

DATA PACKAGE METALS

PROJECT NAME : BANKER

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q3365

ATTENTION : Gary Landis



Laboratory Certification ID # 20012



1) METALS DATA	2
2) Signature Page	4
3) Case Narrative	5
4) Qualifier Page	6
5) Conformance/Non Conformance	7
6) QA Checklist	8
7) Chronicle	9
8) Hit Summary	10
9) Sample Data	11
9.1) MW25	12
9.2) MW2D	13
9.3) SUPPLY	14
9.4) 17 HARVEY	15
9.5) 19 HARVEY	16
10) METALS CALIBRATION DATA	17
10.1) Initial and Continuing Calibration Verification	18
10.2) CRDL Standard For AA & ICP	24
10.3) Initial and Continuing Calibration Blank Summary	25
10.4) Preparation Blank Summary	29
10.5) Interference Check Sample	30
11) METALS QC DATA	31
11.1) Matrix Spike Summary	32
11.2) Post Digest Spike Summary	34
11.3) Duplicate Sample Summary	35
11.4) Laboratory Control Sample Summary	37
11.5) ICP Serial Dilutions	38
12) METALS PREPARATION & INSTRUMENT DATA	39
12.1) ICP Interelement Correction Factors	40
13) PREPARATION & ANALYTICAL SUMMARY	45
13.1) Sample Preparation Summary	46
13.2) Analysis Run Log	47
14) METALS RAW DATA	49
14.1) METALS RAW DATA - ANALYTICAL	50
14.2) LB137613	50
14.3) LB137630	279

14.4) METALS RAW DATA - PREP	573
14.4.1) PB170192	573
15) Analytical Runlogs	576
16) Standard Prep Logs	589
17) Shipping Document	742
17.1) Chain Of Custody	743
17.2) Lab Certificate	744

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

Cover Page

Order ID : Q3365

Project ID : Banker

Client : G Environmental

Lab Sample Number

Q3365-01
Q3365-02
Q3365-03
Q3365-04
Q3365-05

Client Sample Number

MW25
MW2D
SUPPLY
17 HARVEY
19 HARVEY

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

Signature : _____

Date: 10/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

G Environmental

Project Name: Banker

Project # N/A

Order ID # Q3365

Test Name: Metals Group4

A. Number of Samples and Date of Receipt:

5 Water samples were received on 10/16/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Metals Group4. 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.

Sample MW25 was diluted due to high concentrations for Sodium & Sample MW2D was diluted due to high concentrations for Sodium.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

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:

In analytical sequence LB137630, The % recovery was outside of acceptance limit for Sodium of CCV11 and CCV12 but, no any samples associated under these CCVs.

In analytical sequence LB137630, The Result was outside of acceptance limit for Sodium of CCB10, CCB11 and CCB12 but, no any samples associated under these CCBs.

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_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

METALS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3365

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: In analytical sequence LB137630, The % recovery was outside of acceptance limit for Sodium of CCV11 and CCV12 but, no any samples associated under these CCVs.

In analytical sequence LB137630, The Result was outside of acceptance limit for Sodium of CCB10, CCB11 and CCB12 but, no any samples associated under these CCBs.

QA REVIEW_____
Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3365

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 Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 10/29/2025

LAB CHRONICLE

OrderID:	Q3365	OrderDate:	10/16/2025 1:32:00 PM
Client:	G Environmental	Project:	Banker
Contact:	Gary Landis	Location:	J13

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3365-01	MW25	Water	Metals Group4	6010D	10/16/25	10/21/25	10/23/25	10/16/25
Q3365-02	MW2D	Water	Metals Group4	6010D	10/16/25	10/21/25	10/23/25	10/16/25
Q3365-03	SUPPLY	Water	Metals Group4	6010D	10/16/25	10/21/25	10/21/25	10/16/25
Q3365-04	17 HARVEY	Water	Metals Group4	6010D	10/16/25	10/21/25	10/21/25	10/16/25
Q3365-05	19 HARVEY	Water	Metals Group4	6010D	10/16/25	10/21/25	10/21/25	10/16/25

Hit Summary Sheet
SW-846

SDG No.: Q3365 **Order ID:** Q3365
Client: G Environmental **Project ID:** Banker

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW25								
Q3365-01	MW25	Water	Sodium	2570000	D	2170	5000	ug/L
Client ID : MW2D								
Q3365-02	MW2D	Water	Sodium	2000000	D	2170	5000	ug/L
Client ID : SUPPLY								
Q3365-03	SUPPLY	Water	Sodium	47400		434	1000	ug/L
Client ID : 17 HARVEY								
Q3365-04	17 HARVEY	Water	Sodium	126000		434	1000	ug/L
Client ID : 19 HARVEY								
Q3365-05	19 HARVEY	Water	Sodium	159000		434	1000	ug/L



SAMPLE DATA

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Report of Analysis

Client: G Environmental
Project: Banker
Client Sample ID: MW25
Lab Sample ID: Q3365-01
Level (low/med): low

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3365
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-23-5	Sodium	2570000	D	5	2170	5000	ug/L	10/21/25 16:10	10/23/25 14:28	6010D	

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

Report of Analysis

Client: G Environmental
Project: Banker
Client Sample ID: MW2D
Lab Sample ID: Q3365-02
Level (low/med): low

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3365
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-23-5	Sodium	2000000	D	5	2170	5000	ug/L	10/21/25 16:10	10/23/25 14:32	6010D	

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

Report of Analysis

Client: G Environmental
Project: Banker
Client Sample ID: SUPPLY
Lab Sample ID: Q3365-03
Level (low/med): low

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3365
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-23-5	Sodium	47400	1	434		1000	ug/L	10/21/25 16:10	10/21/25 17:53	6010D	

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

Report of Analysis

Client: G Environmental
Project: Banker
Client Sample ID: 17 HARVEY
Lab Sample ID: Q3365-04
Level (low/med): low

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3365
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-23-5	Sodium	126000	1	434		1000	ug/L	10/21/25 16:10	10/21/25 17:58	6010D	

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

Report of Analysis

Client: G Environmental
Project: Banker
Client Sample ID: 19 HARVEY
Lab Sample ID: Q3365-05
Level (low/med): low

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3365
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-23-5	Sodium	159000	1	434		1000	ug/L	10/21/25 16:10	10/21/25 18:02	6010D	

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: G Environmental

SDG No.: Q3365

Contract: GENV01

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	Sodium	18300	20000	92	90 - 110	P	10/21/2025	12:40	LB137613

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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	Sodium	1790	2000	90	80 - 120	P	10/21/2025	12:44	LB137613

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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	Sodium	23900	25000	96	90 - 110	P	10/21/2025	13:45	LB137613
CCV02	Sodium	24800	25000	99	90 - 110	P	10/21/2025	15:03	LB137613
CCV03	Sodium	25300	25000	101	90 - 110	P	10/21/2025	15:56	LB137613
CCV04	Sodium	24000	25000	96	90 - 110	P	10/21/2025	16:48	LB137613
CCV05	Sodium	23100	25000	92	90 - 110	P	10/21/2025	17:37	LB137613
CCV06	Sodium	24400	25000	98	90 - 110	P	10/21/2025	18:27	LB137613
CCV07	Sodium	22700	25000	91	90 - 110	P	10/21/2025	19:18	LB137613
CCV08	Sodium	23300	25000	93	90 - 110	P	10/21/2025	20:03	LB137613

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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	Sodium	18900	20000	94	90 - 110	P	10/23/2025	13:05	LB137630

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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	Sodium	1890	2000	95	80 - 120	P	10/23/2025	13:14	LB137630

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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	Sodium	24300	25000	97	90 - 110	P	10/23/2025	13:52	LB137630
CCV02	Sodium	25400	25000	102	90 - 110	P	10/23/2025	15:04	LB137630
CCV03	Sodium	25100	25000	100	90 - 110	P	10/23/2025	15:56	LB137630
CCV04	Sodium	22800	25000	91	90 - 110	P	10/23/2025	16:43	LB137630
CCV05	Sodium	25100	25000	101	90 - 110	P	10/23/2025	17:21	LB137630
CCV06	Sodium	23800	25000	95	90 - 110	P	10/23/2025	18:11	LB137630
CCV07	Sodium	22700	25000	91	90 - 110	P	10/23/2025	18:59	LB137630
CCV08	Sodium	23100	25000	92	90 - 110	P	10/23/2025	19:48	LB137630
CCV09	Sodium	25700	25000	103	90 - 110	P	10/23/2025	20:39	LB137630
CCV10	Sodium	23700	25000	95	90 - 110	P	10/23/2025	21:30	LB137630
CCV11	Sodium	32800	25000	131	90 - 110	P	10/23/2025	22:20	LB137630
CCV12	Sodium	30000	25000	120	90 - 110	P	10/23/2025	22:33	LB137630



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Fax : 908 789 8922

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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	Sodium	1870	2000	93	65 - 135	P	10/21/2025	12:54	LB137613
CRI01	Sodium	1820	2000	91	65 - 135	P	10/23/2025	13:24	LB137630



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Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Sodium	868	+/-1000	U	2000	P	10/21/2025	12:50	LB137613

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3365
Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Sodium	868	+/-1000	U	2000	P	10/21/2025	13:54	LB137613
CCB02	Sodium	868	+/-1000	U	2000	P	10/21/2025	15:07	LB137613
CCB03	Sodium	868	+/-1000	U	2000	P	10/21/2025	16:00	LB137613
CCB04	Sodium	868	+/-1000	U	2000	P	10/21/2025	16:52	LB137613
CCB05	Sodium	868	+/-1000	U	2000	P	10/21/2025	17:41	LB137613
CCB06	Sodium	1000	+/-1000	J	2000	P	10/21/2025	18:31	LB137613
CCB07	Sodium	868	+/-1000	U	2000	P	10/21/2025	19:22	LB137613
CCB08	Sodium	868	+/-1000	U	2000	P	10/21/2025	20:07	LB137613

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Sodium	868	+/-1000	U	2000	P	10/23/2025	13:20	LB137630

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Sodium	868	+/-1000	U	2000	P	10/23/2025	13:57	LB137630
CCB02	Sodium	868	+/-1000	U	2000	P	10/23/2025	15:08	LB137630
CCB03	Sodium	868	+/-1000	U	2000	P	10/23/2025	16:11	LB137630
CCB04	Sodium	868	+/-1000	U	2000	P	10/23/2025	16:47	LB137630
CCB05	Sodium	868	+/-1000	U	2000	P	10/23/2025	17:25	LB137630
CCB06	Sodium	868	+/-1000	U	2000	P	10/23/2025	18:15	LB137630
CCB07	Sodium	868	+/-1000	U	2000	P	10/23/2025	19:04	LB137630
CCB08	Sodium	868	+/-1000	U	2000	P	10/23/2025	19:52	LB137630
CCB09	Sodium	868	+/-1000	U	2000	P	10/23/2025	20:43	LB137630
CCB10	Sodium	1020	+/-1000	J*	2000	P	10/23/2025	21:34	LB137630
CCB11	Sodium	10400	+/-1000	*	2000	P	10/23/2025	22:24	LB137630
CCB12	Sodium	7480	+/-1000	*	2000	P	10/23/2025	22:37	LB137630

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3365

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170192BL		WATER		Batch Number:	PB170192		Prep Date:	10/21/2025	
	Sodium	434	<500	U	1000	P	10/21/2025	17:28	LB137613

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>G Environmental</u>	SDG No.: <u>Q3365</u>
Contract: <u>GENV01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	Sodium	51.5			0	0	10/21/2025	12:59	LB137613
ICSAB01	Sodium	95.7			0	0	10/21/2025	13:03	LB137613
ICSA01	Sodium	130			0	0	10/23/2025	13:28	LB137630
ICSAB01	Sodium	46.8			0	0	10/23/2025	13:39	LB137630



METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q3365</u>
contract: <u>GENV01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3370-01</u>	client id: <u>WATER-TREATMENT DISCHARGEMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3370-01MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Sodium	ug/L	75 - 125	102000		101000		1500	37		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q3365</u>
contract: <u>GENV01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3370-01</u>	client id: <u>WATER-TREATMENT DISCHARGEMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3370-01MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Sodium	ug/L	75 - 125	102000		101000		1500	18		P

Metals
- 5b -

Client: G Environmental

Contract: GENV01

Matrix:

Sample ID:

SDG No.: Q3365

Lab Code: ACE

Client ID:

Level: LOW

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:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3365</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3370-01</u>	Client ID:	<u>WATER-TREATMENT DISCHARGEDU</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3370-01DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Sodium	ug/L	20	101000		97600		3		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3365</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3370-01MS</u>	Client ID:	<u>WATER-TREATMENT DISCHARGEMS</u>
Percent Solids for Sample:	<u>NA</u>	Duplicate ID	<u>Q3370-01MSD</u>	Percent Solids for Spike Sample:	<u>NA</u>

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Sodium	ug/L	20	102000		102000		0		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170192BS Sodium	ug/L	1500	1400		93	80 - 120	P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

WATER-TREATMENT DISCHARGEL

Lab Name: Alliance **Contract:** GENV01
Lab Code: ACE **Lb No.:** lb137613 **Lab Sample ID :** Q3370-01L **SDG No.:** Q3365
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Sodium	101000	102000	1		P



METAL PREPARATION & INSTRUMENT DATA

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Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: G Environmental

SDG No.: Q3365

Contract: GENV01

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: PB170192							
PB170192BL	PB170192BL	MB	WATER	10/21/2025	50.0	25.0	
PB170192BS	PB170192BS	LCS	WATER	10/21/2025	50.0	25.0	
Q3365-01	MW25	SAM	WATER	10/21/2025	50.0	25.0	
Q3365-02	MW2D	SAM	WATER	10/21/2025	50.0	25.0	
Q3365-03	SUPPLY	SAM	WATER	10/21/2025	50.0	25.0	
Q3365-04	17 HARVEY	SAM	WATER	10/21/2025	50.0	25.0	
Q3365-05	19 HARVEY	SAM	WATER	10/21/2025	50.0	25.0	
Q3370-01DUP	WATER-TREATMENT DISCHARGEDUP	DUP	WATER	10/21/2025	50.0	25.0	
Q3370-01MS	WATER-TREATMENT DISCHARGEMS	MS	WATER	10/21/2025	50.0	25.0	
Q3370-01MSD	WATER-TREATMENT DISCHARGEMSD	MSD	WATER	10/21/2025	50.0	25.0	

metals
- 14 -
ANALYSIS RUN LOG

Client: G Environmental

Contract: GENV01

Lab code: ACE

Sdg no.: Q3365

Instrument id number: _____

Method: _____

Run number: LB137613

Start date: 10/21/2025

End date: 10/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1203	Na
S1	S1	1	1208	Na
S2	S2	1	1212	Na
S3	S3	1	1216	Na
S4	S4	1	1221	Na
S5	S5	1	1225	Na
ICV01	ICV01	1	1240	Na
LLICV01	LLICV01	1	1244	Na
ICB01	ICB01	1	1250	Na
CRI01	CRI01	1	1254	Na
ICSA01	ICSA01	1	1259	Na
ICSAB01	ICSAB01	1	1303	Na
ICSA	ICSA	20	1307	Na
ICSAB	ICSAB	20	1311	Na
CCV01	CCV01	1	1345	Na
CCB01	CCB01	1	1354	Na
CCV02	CCV02	1	1503	Na
CCB02	CCB02	1	1507	Na
CCV03	CCV03	1	1556	Na
CCB03	CCB03	1	1600	Na
CCV04	CCV04	1	1648	Na
CCB04	CCB04	1	1652	Na
PB170192BL	PB170192BL	1	1728	Na
PB170192BS	PB170192BS	1	1733	Na
CCV05	CCV05	1	1737	Na
CCB05	CCB05	1	1741	Na
Q3365-03	SUPPLY	1	1753	Na
Q3365-04	17 HARVEY	1	1758	Na
Q3365-05	19 HARVEY	1	1802	Na
Q3370-01DUP	WATER-TREATMENT DISCH#	1	1811	Na
Q3370-01L	WATER-TREATMENT DISCH#	5	1815	Na
Q3370-01MS	WATER-TREATMENT DISCH#	1	1819	Na
Q3370-01MSD	WATER-TREATMENT DISCH#	1	1823	Na
CCV06	CCV06	1	1827	Na
CCB06	CCB06	1	1831	Na
CCV07	CCV07	1	1918	Na
CCB07	CCB07	1	1922	Na
CCV08	CCV08	1	2003	Na
CCB08	CCB08	1	2007	Na

metals
- 14 -
ANALYSIS RUN LOG

Client: G Environmental

Contract: GENV01

Lab code: ACE

Sdg no.: Q3365

Instrument id number: _____

Method: _____

Run number: LB137630

Start date: 10/23/2025

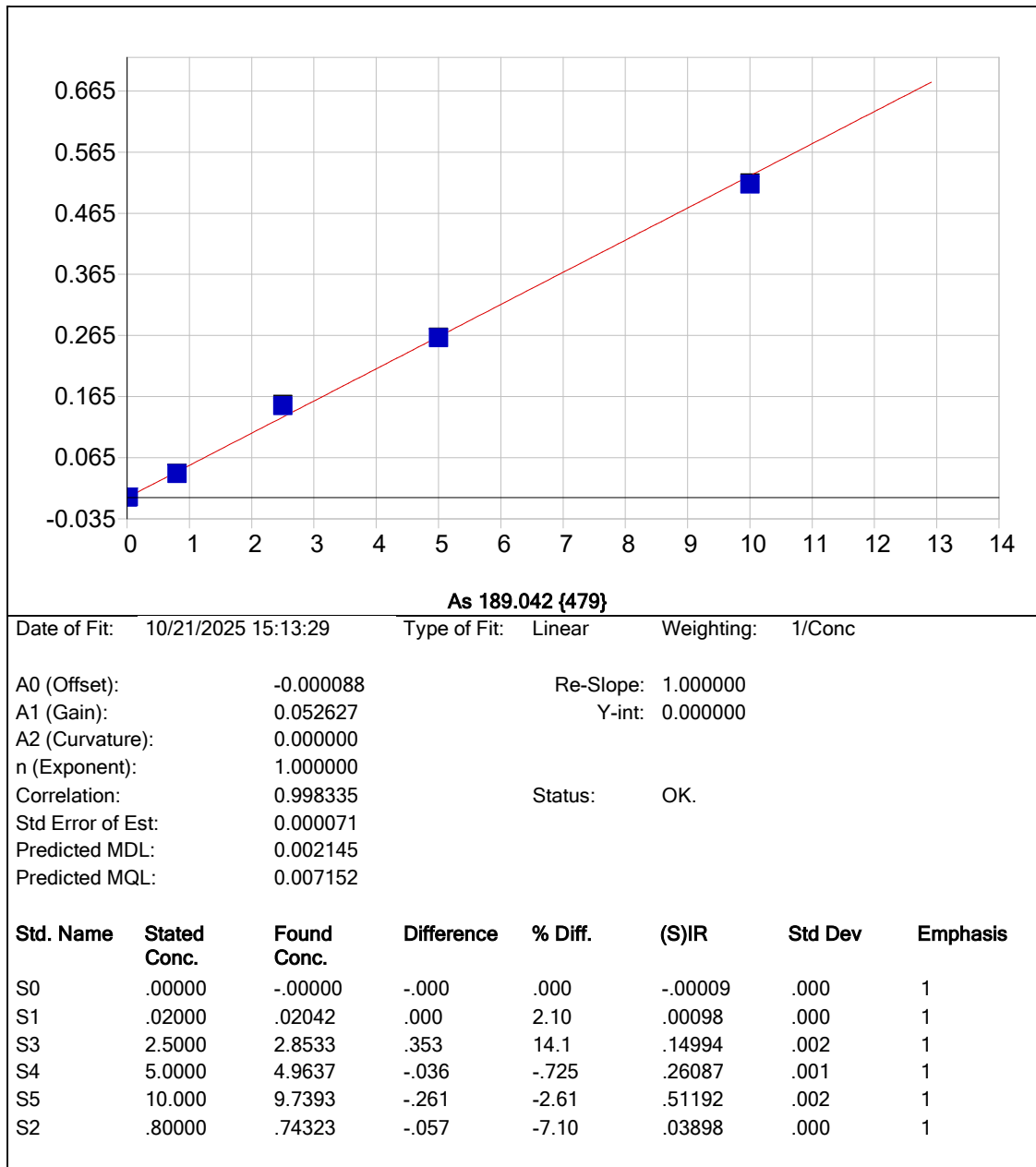
End date: 10/23/2025

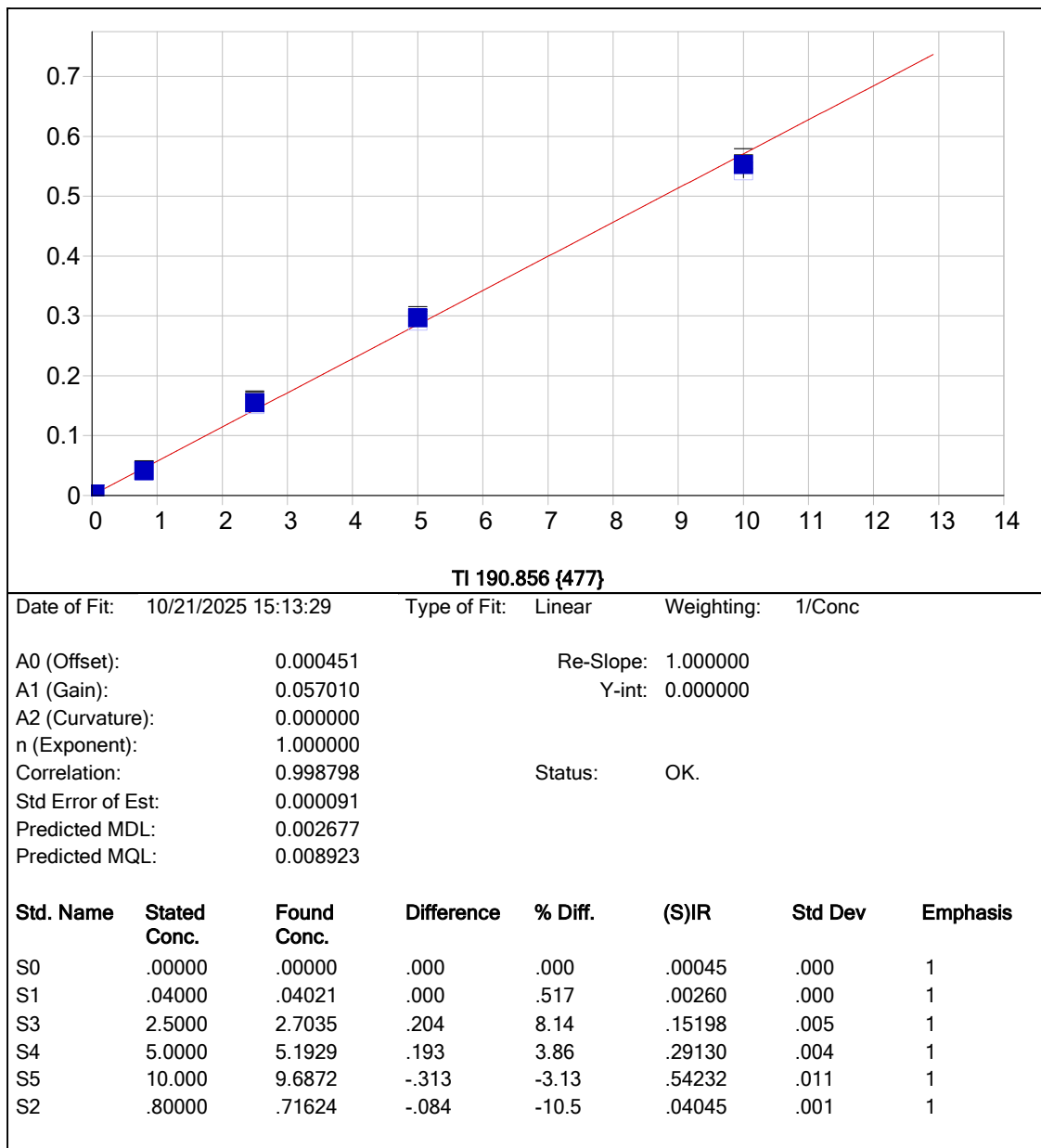
Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1240	Na
S1	S1	1	1245	Na
S2	S2	1	1249	Na
S3	S3	1	1253	Na
S4	S4	1	1257	Na
S5	S5	1	1301	Na
ICV01	ICV01	1	1305	Na
LLICV01	LLICV01	1	1314	Na
ICB01	ICB01	1	1320	Na
CRI01	CRI01	1	1324	Na
ICSA01	ICSA01	1	1328	Na
ICSAB01	ICSAB01	1	1339	Na
ICSA	ICSA01	20	1343	Na
ICSAB	ICSAB01	20	1347	Na
CCV01	CCV01	1	1352	Na
CCB01	CCB01	1	1357	Na
Q3365-01	MW25	5	1428	Na
Q3365-02	MW2D	5	1432	Na
CCV02	CCV02	1	1504	Na
CCB02	CCB02	1	1508	Na
CCV03	CCV03	1	1556	Na
CCB03	CCB03	1	1611	Na
CCV04	CCV04	1	1643	Na
CCB04	CCB04	1	1647	Na
CCV05	CCV05	1	1721	Na
CCB05	CCB05	1	1725	Na
CCV06	CCV06	1	1811	Na
CCB06	CCB06	1	1815	Na
CCV07	CCV07	1	1859	Na
CCB07	CCB07	1	1904	Na
CCV08	CCV08	1	1948	Na
CCB08	CCB08	1	1952	Na
CCV09	CCV09	1	2039	Na
CCB09	CCB09	1	2043	Na
CCV10	CCV10	1	2130	Na
CCB10	CCB10	1	2134	Na
CCV11	CCV11	1	2220	Na
CCB11	CCB11	1	2224	Na
CCV12	CCV12	1	2233	Na
CCB12	CCB12	1	2237	Na

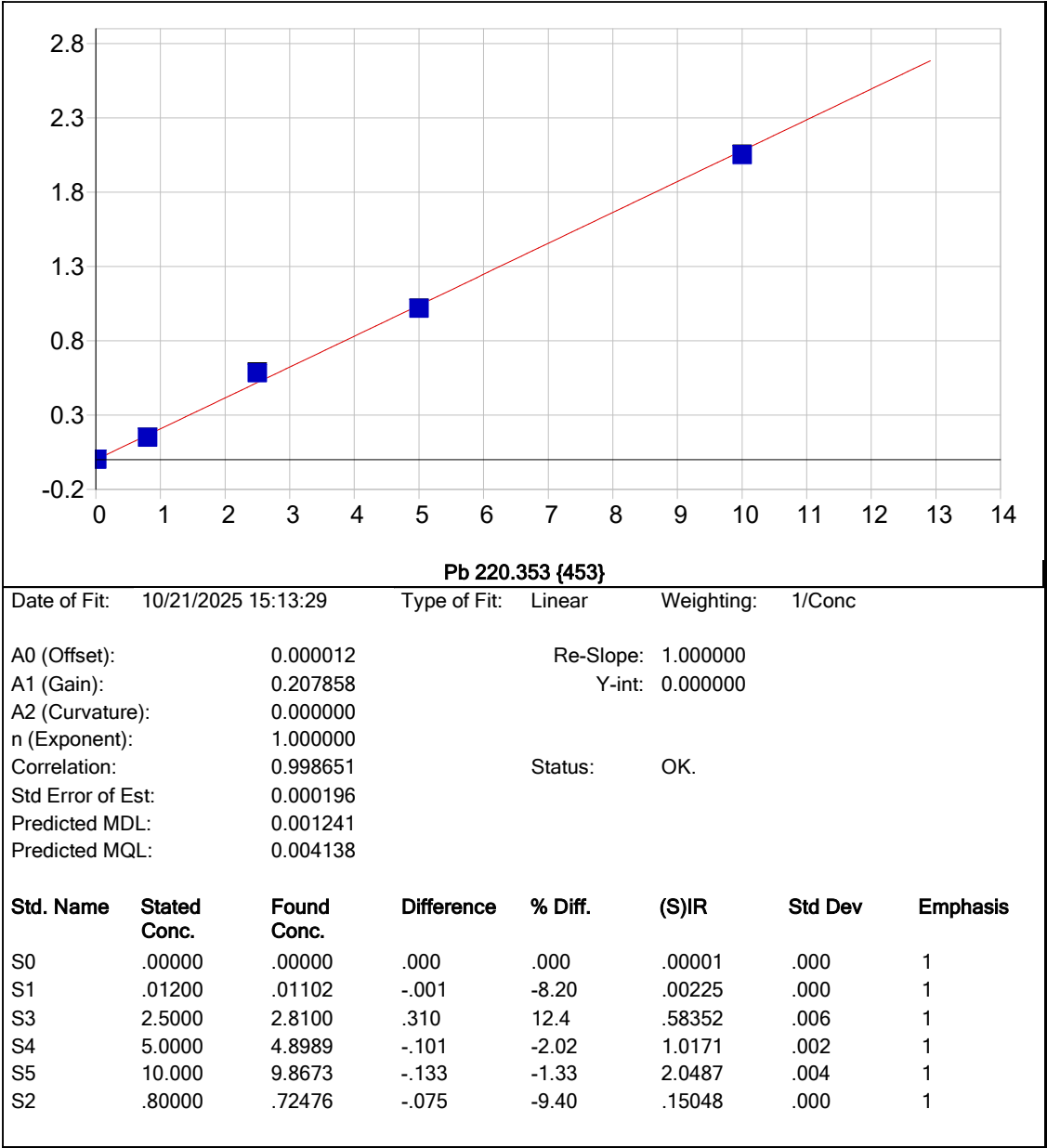


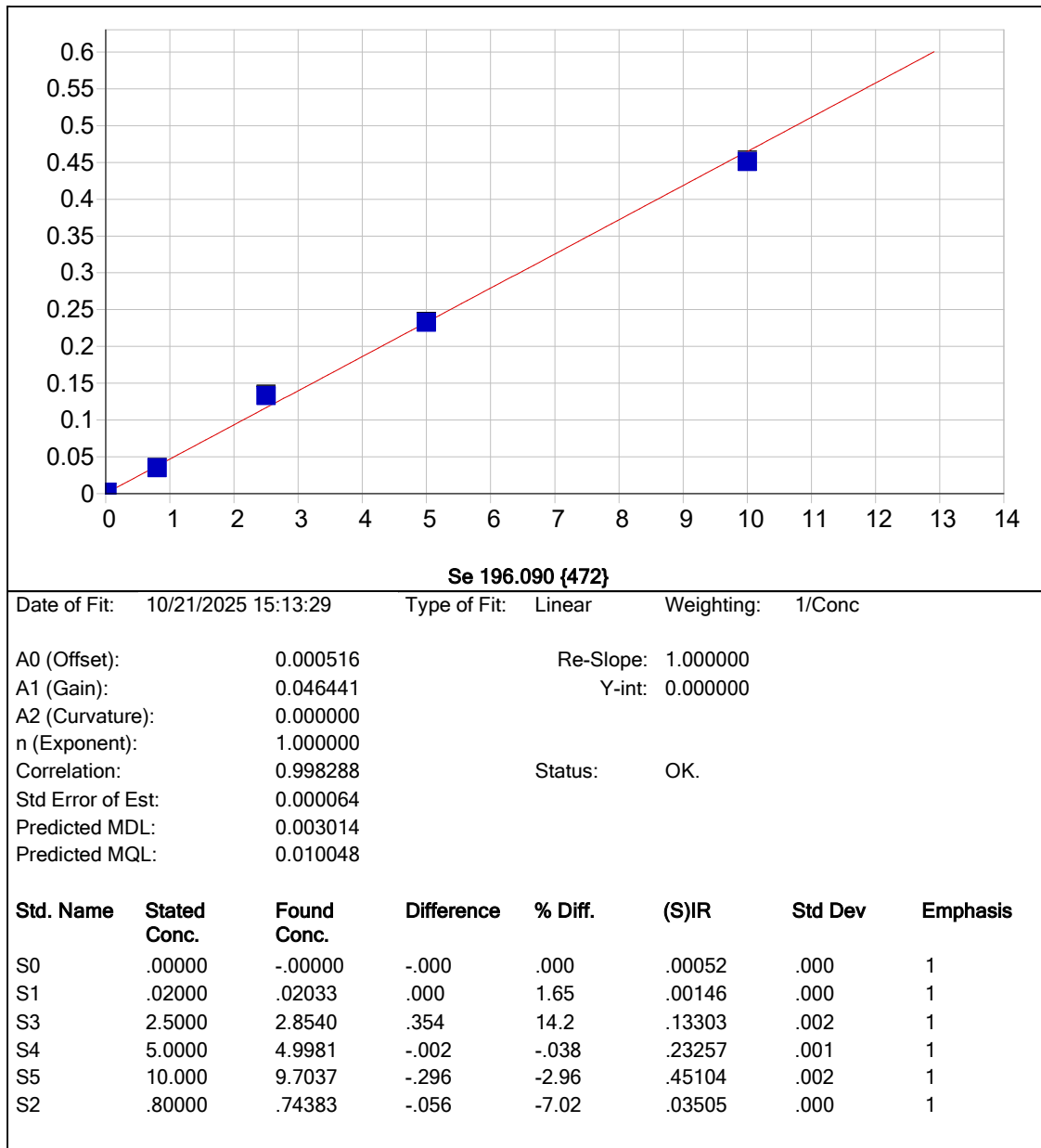
METAL RAW DATA

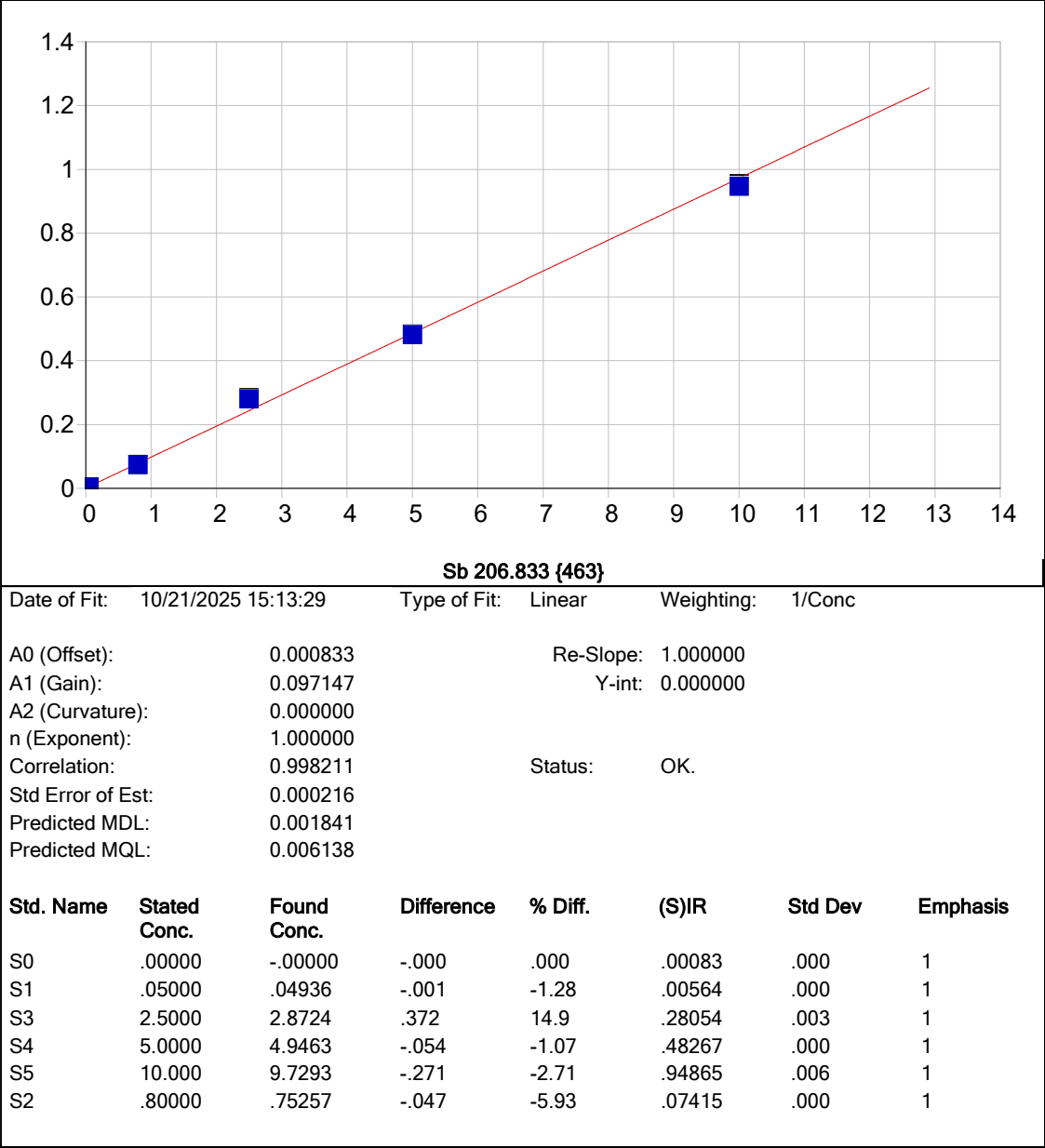
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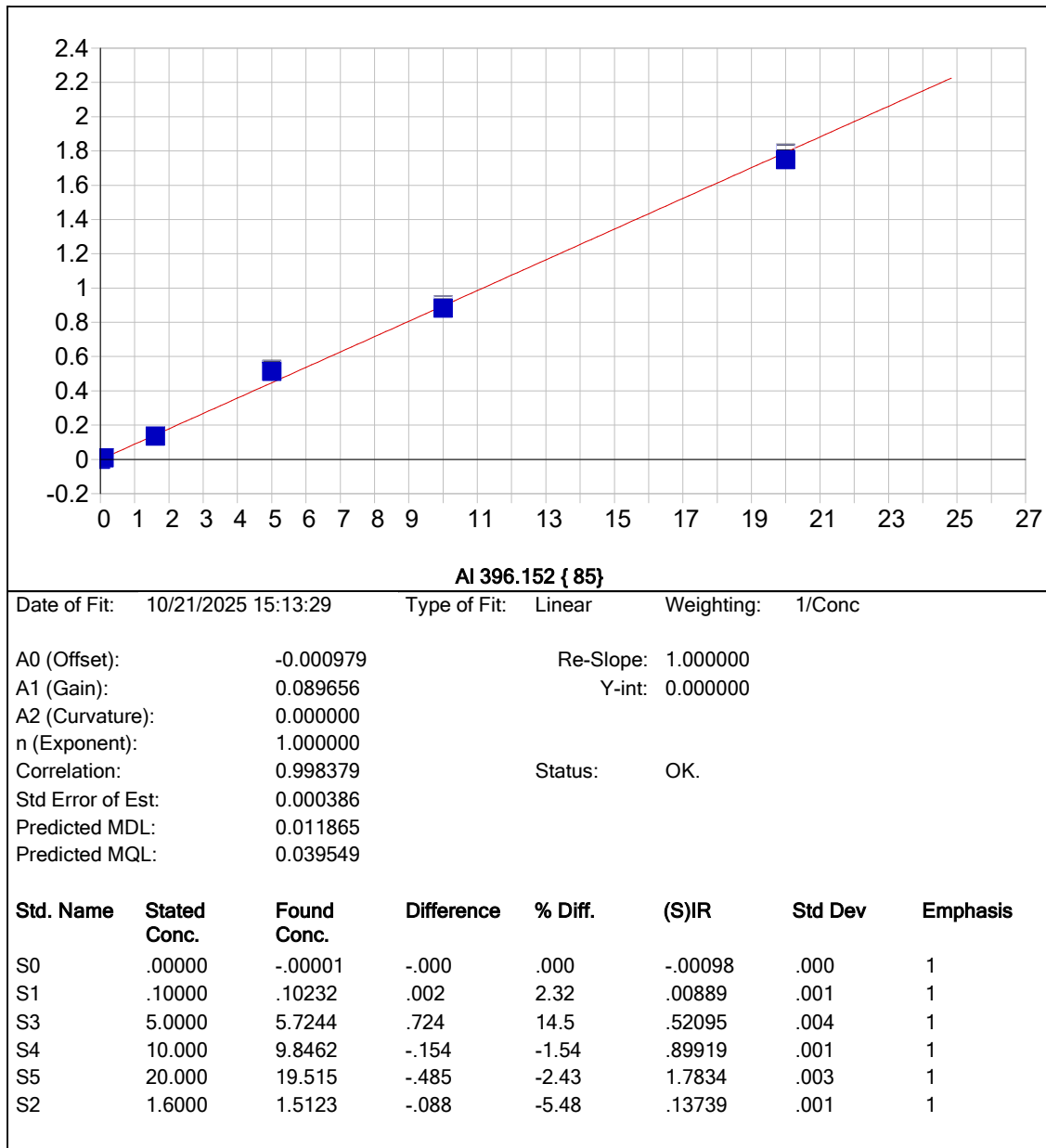


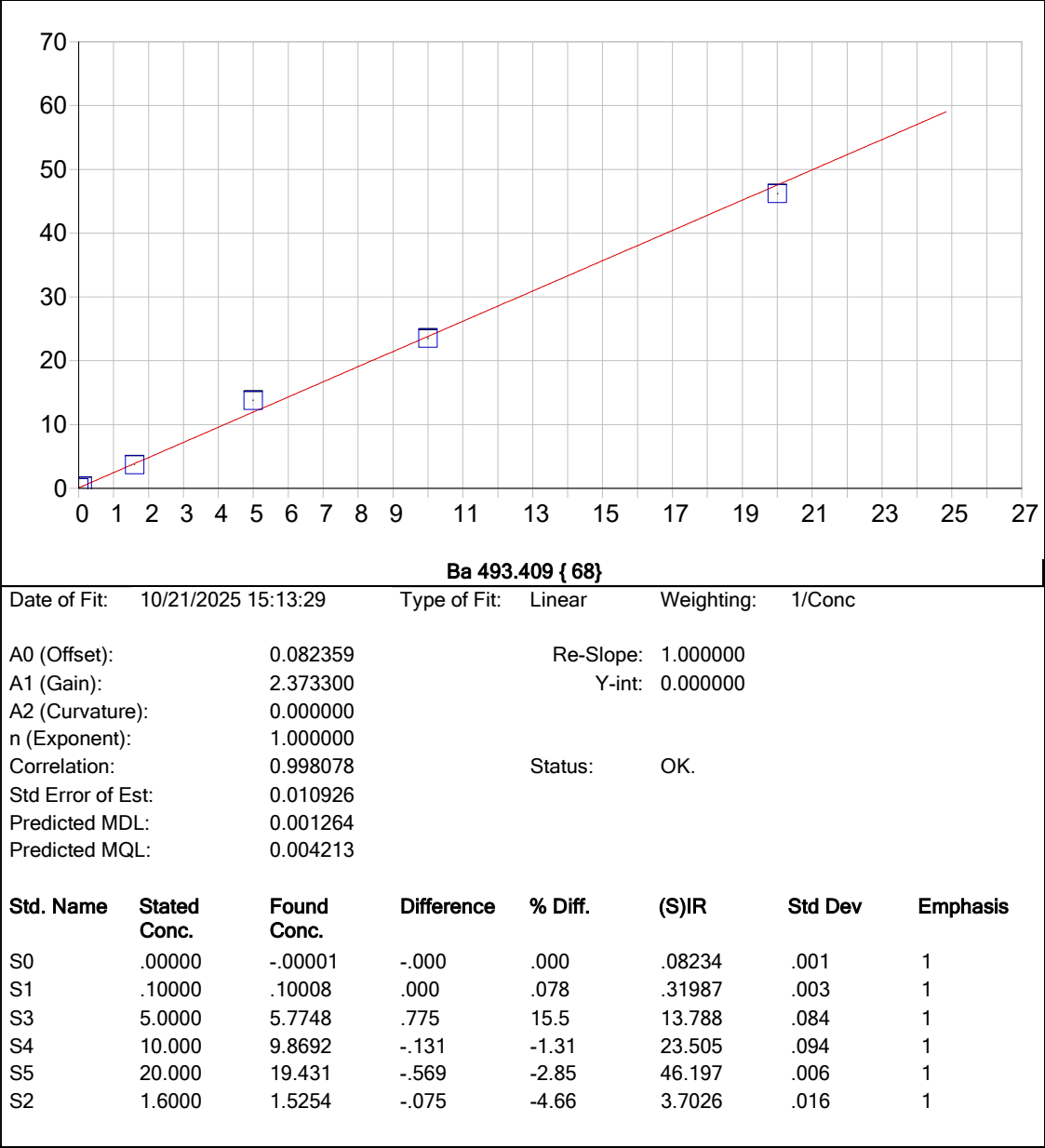


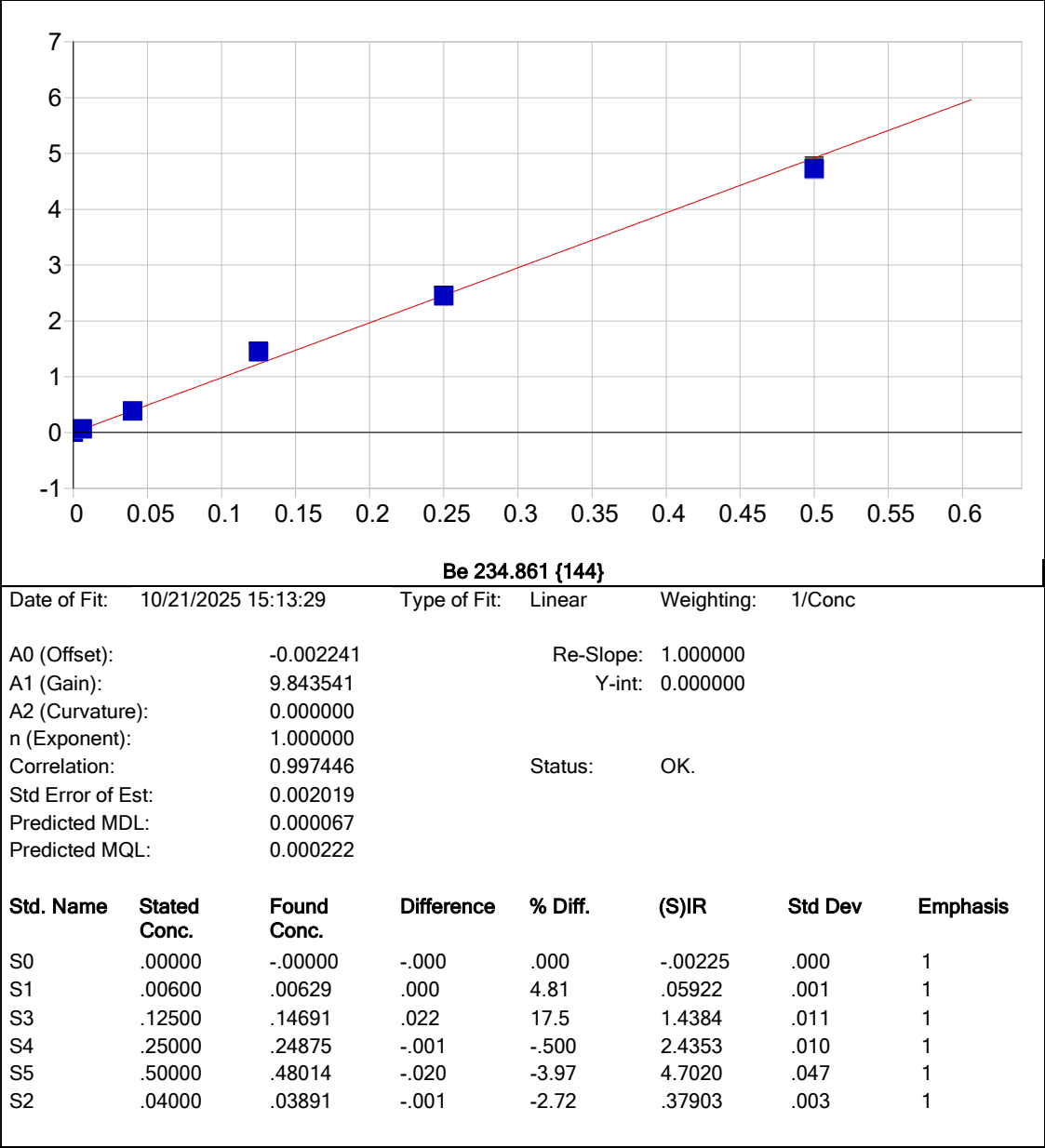


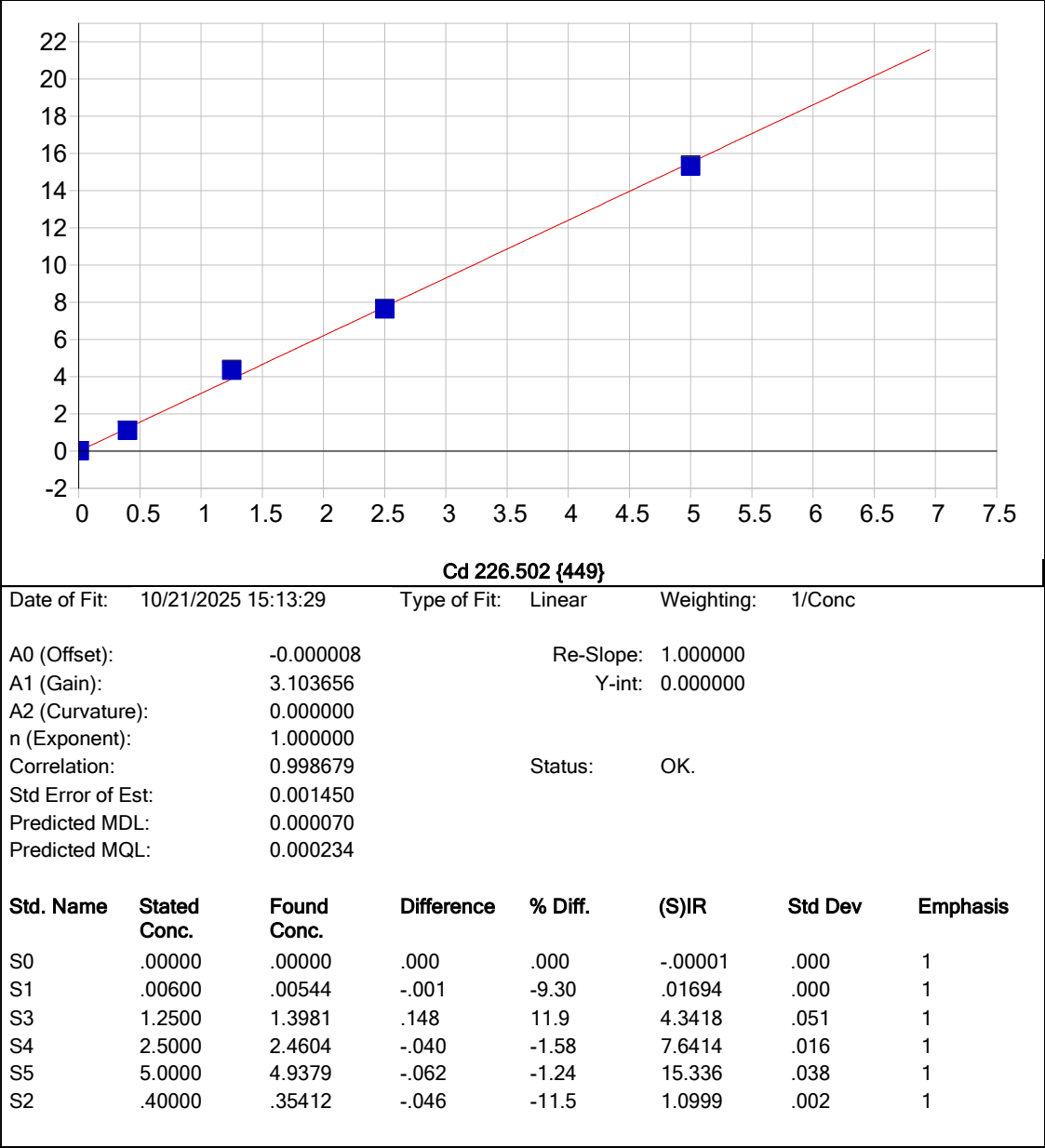


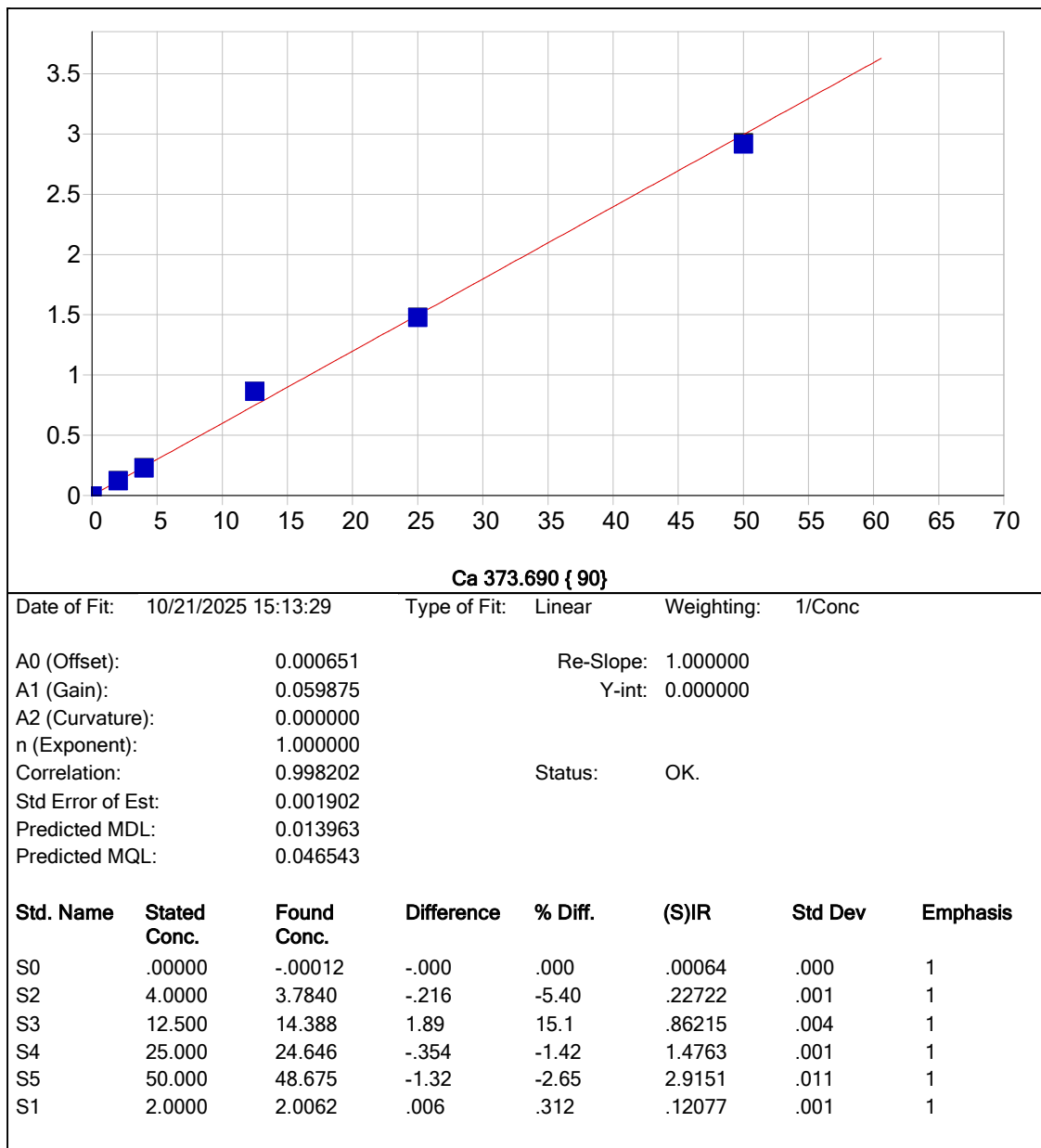


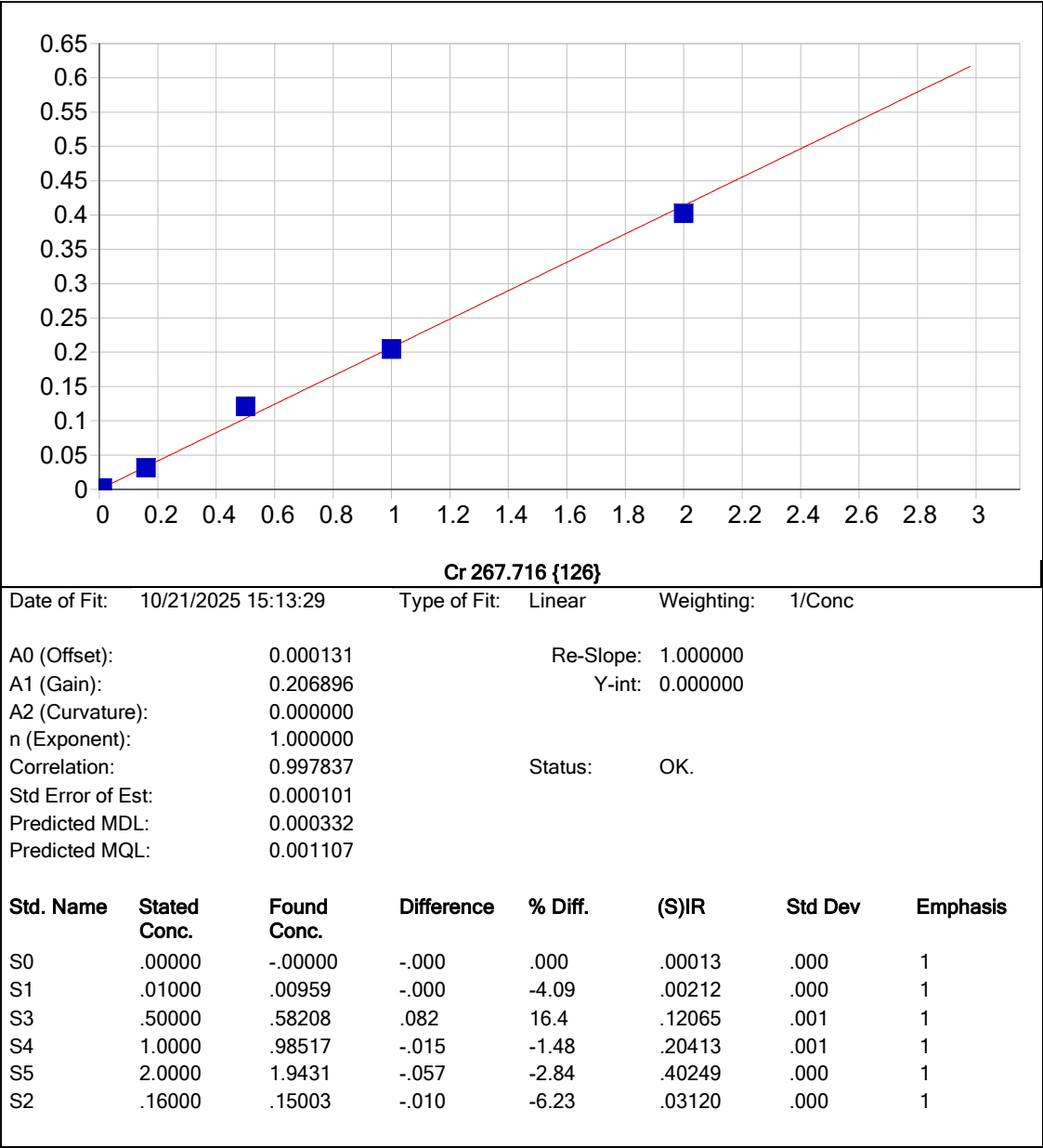


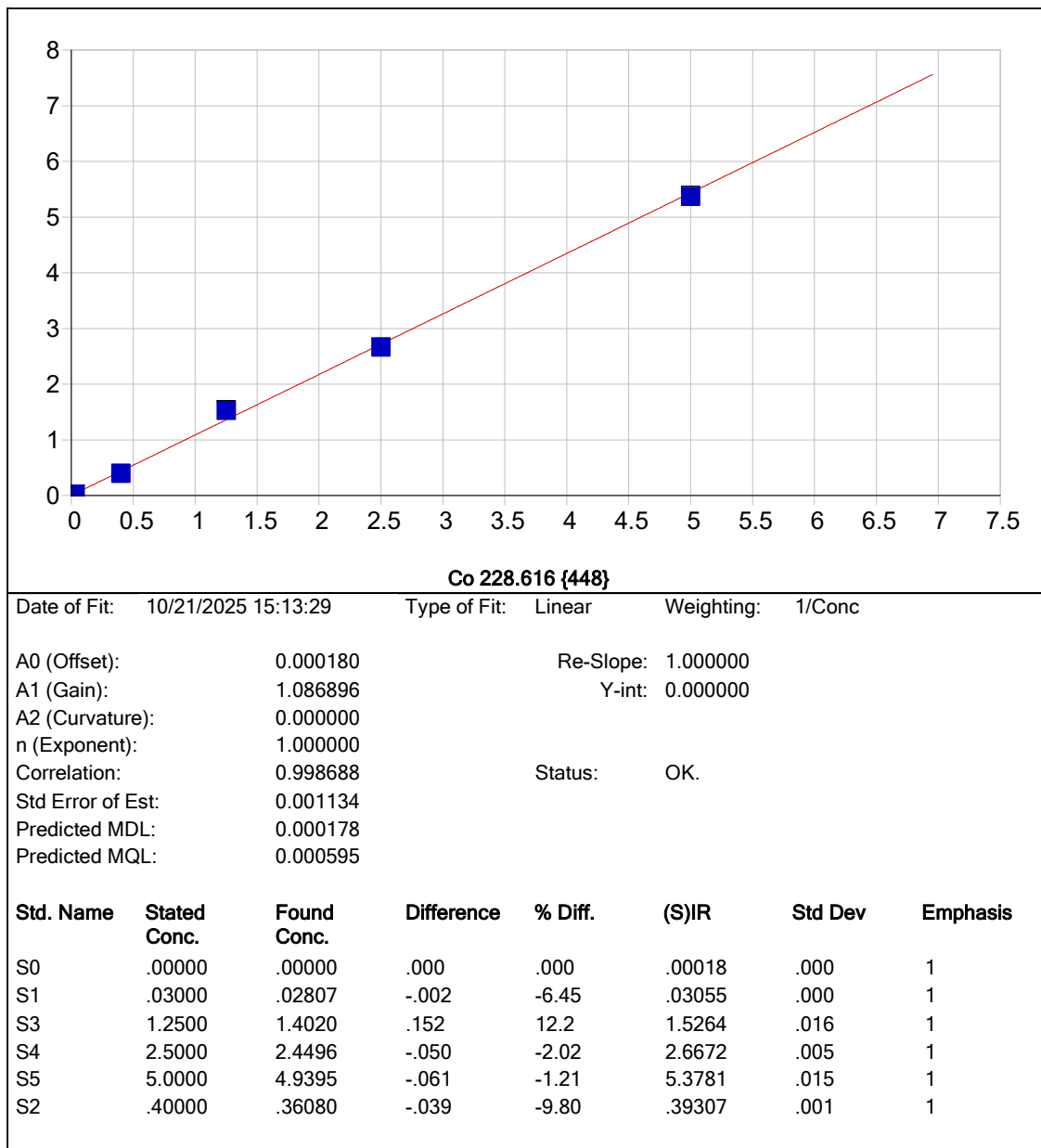




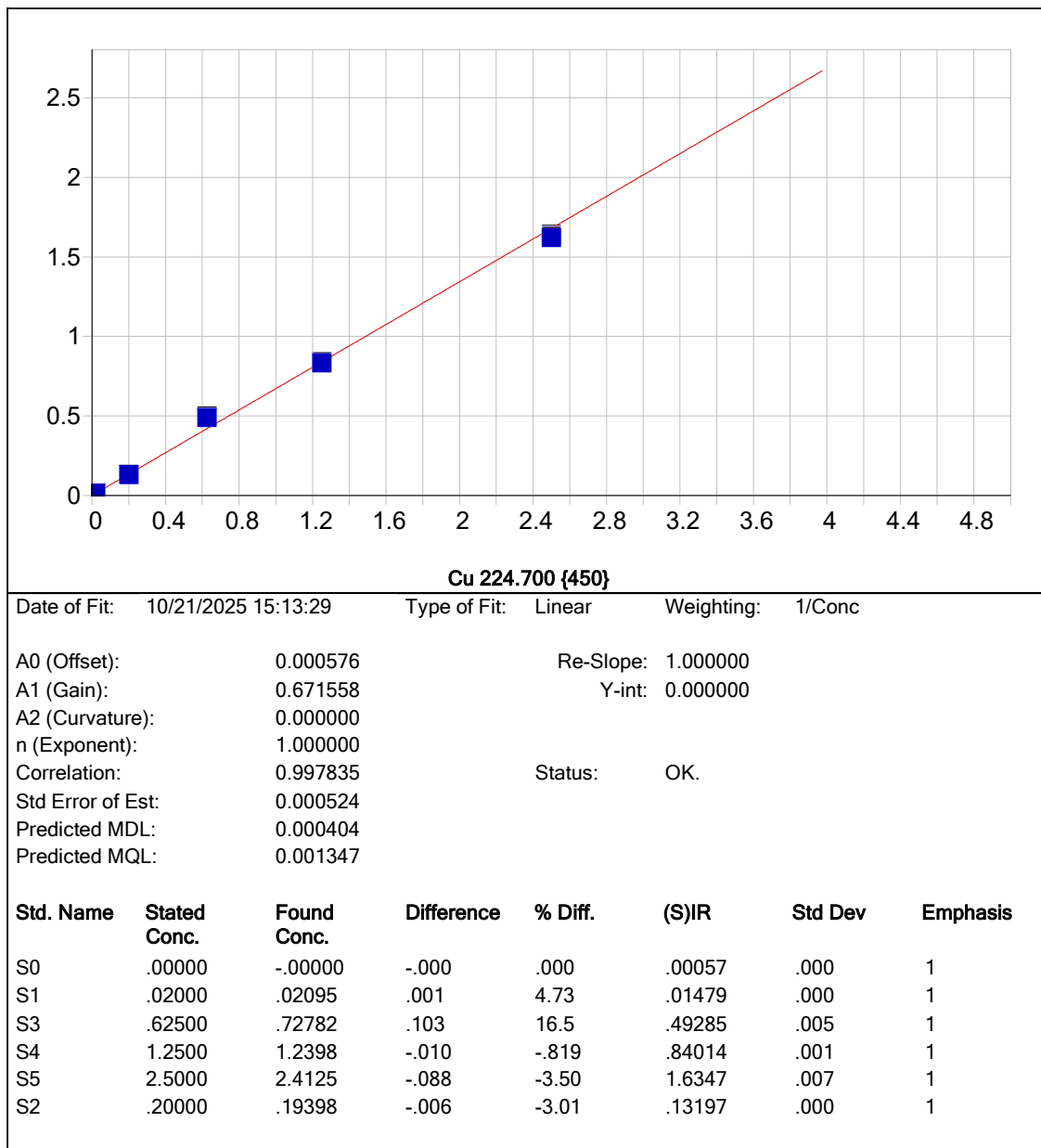


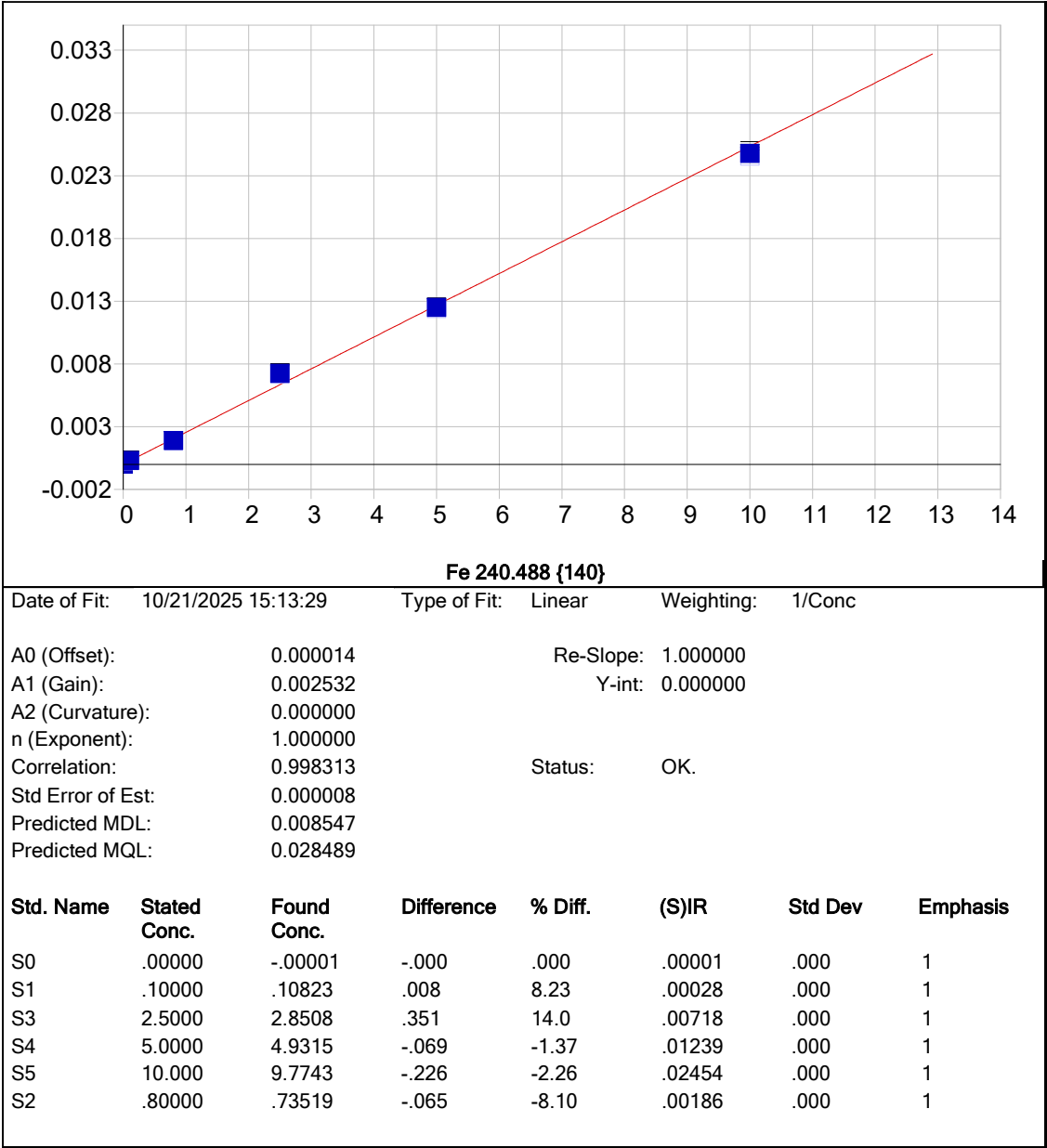


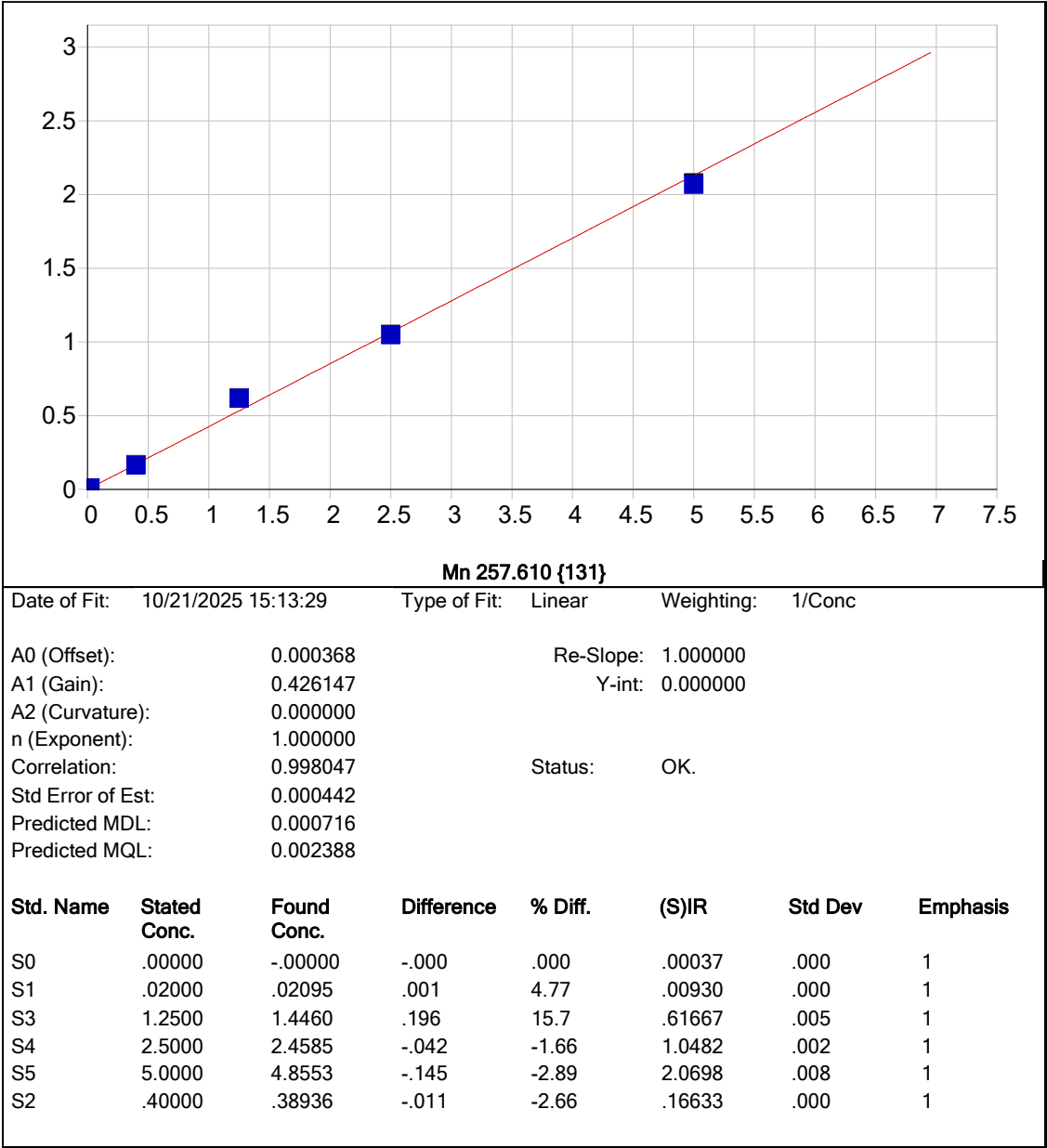


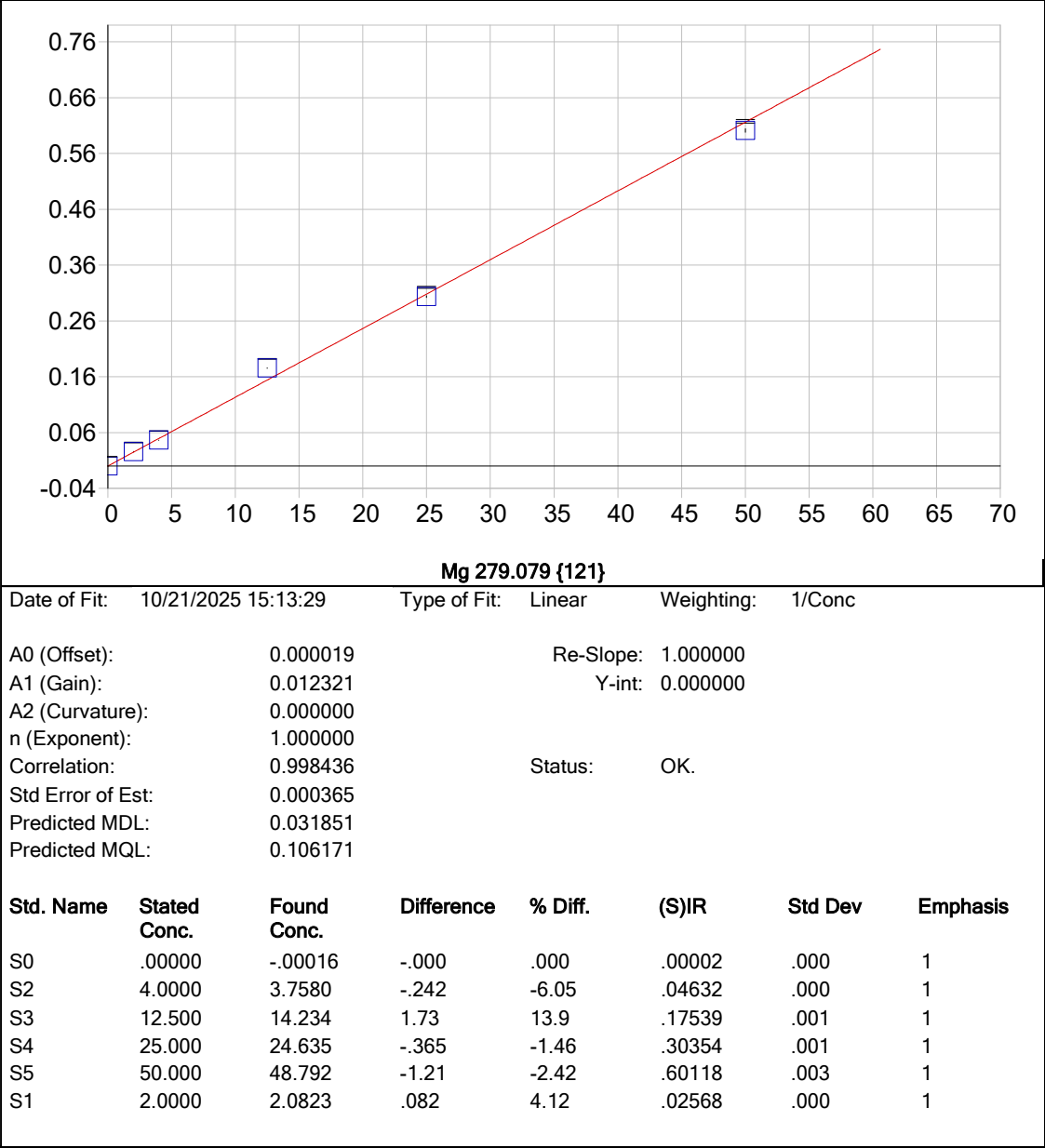


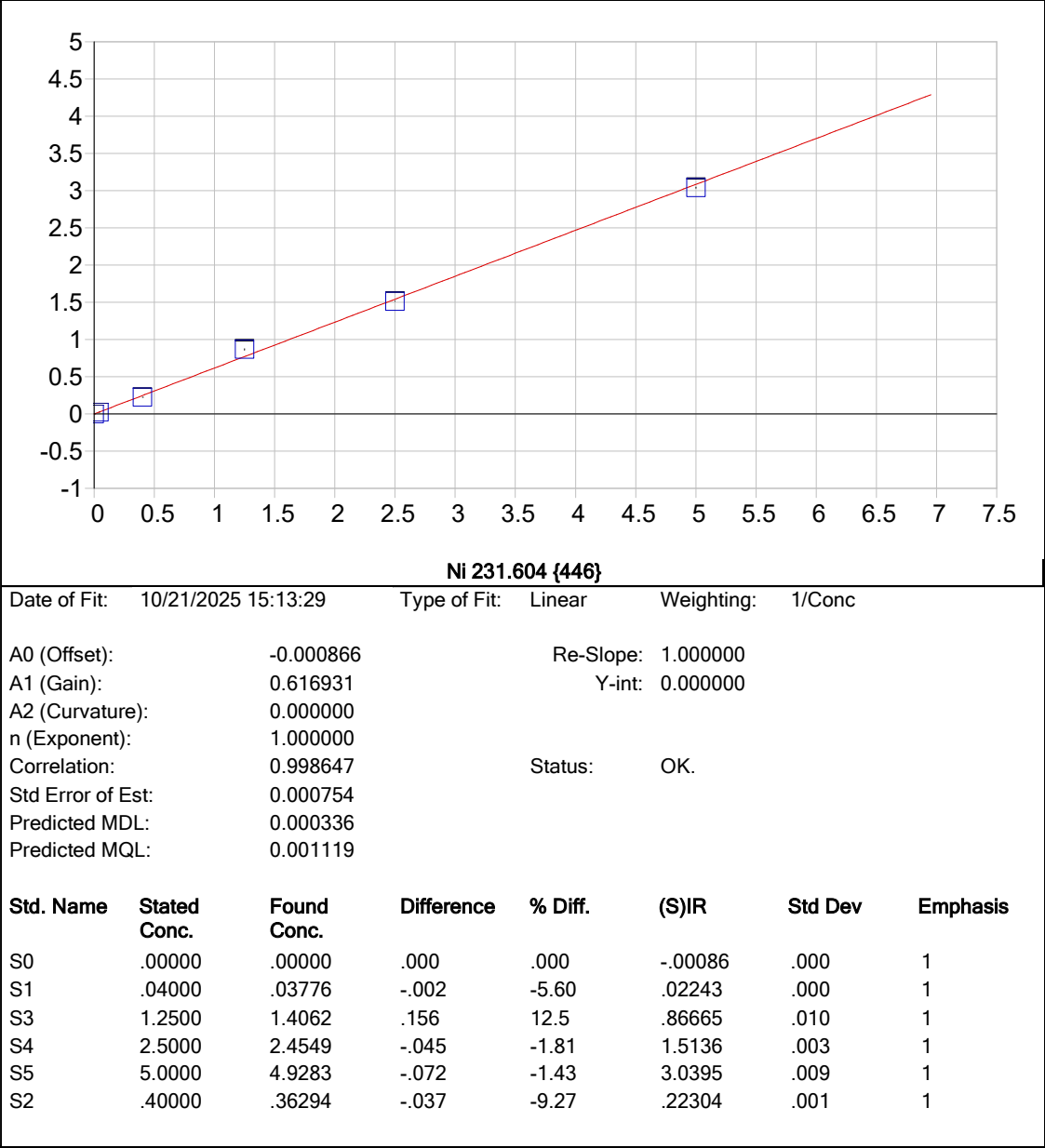
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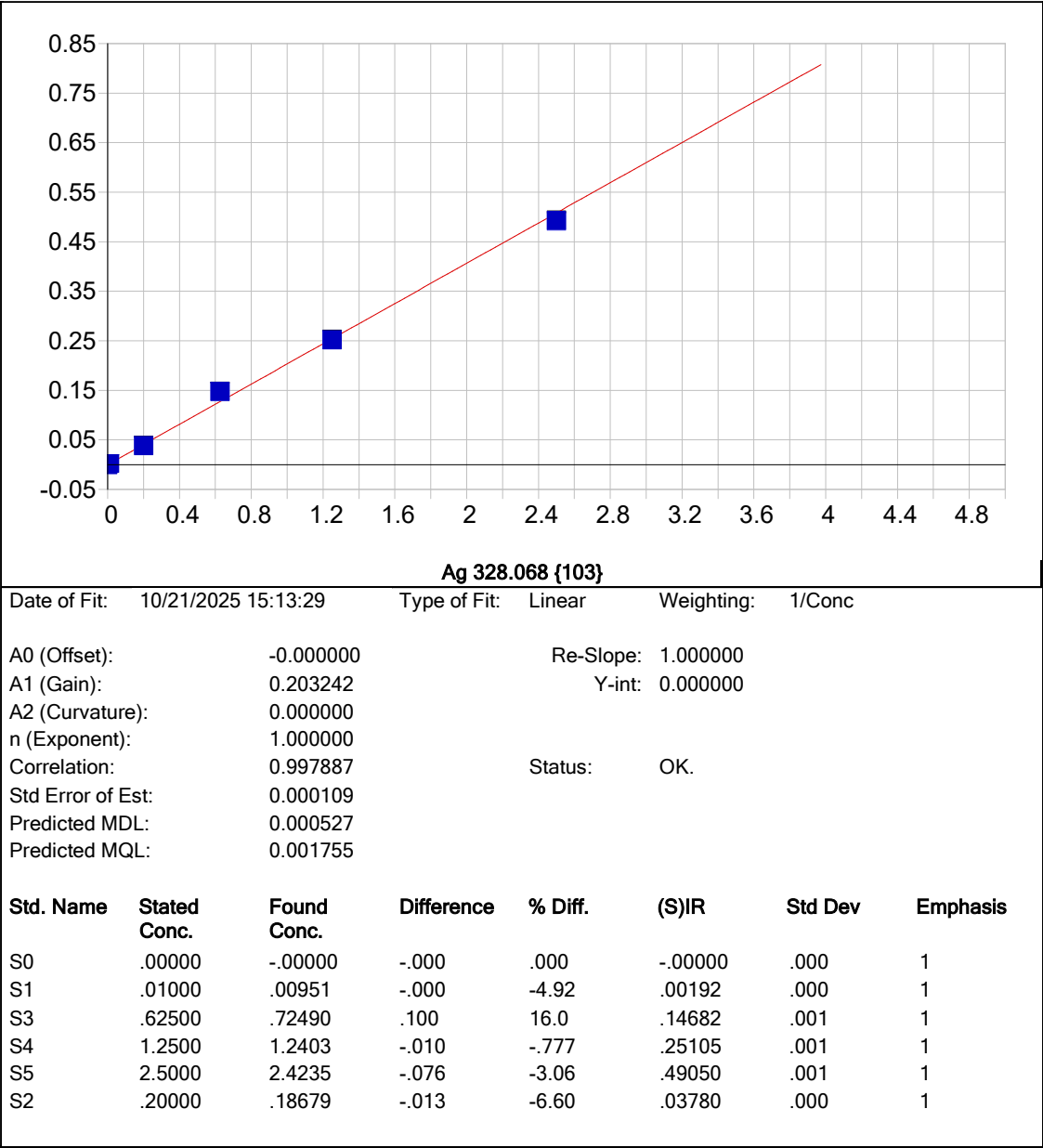


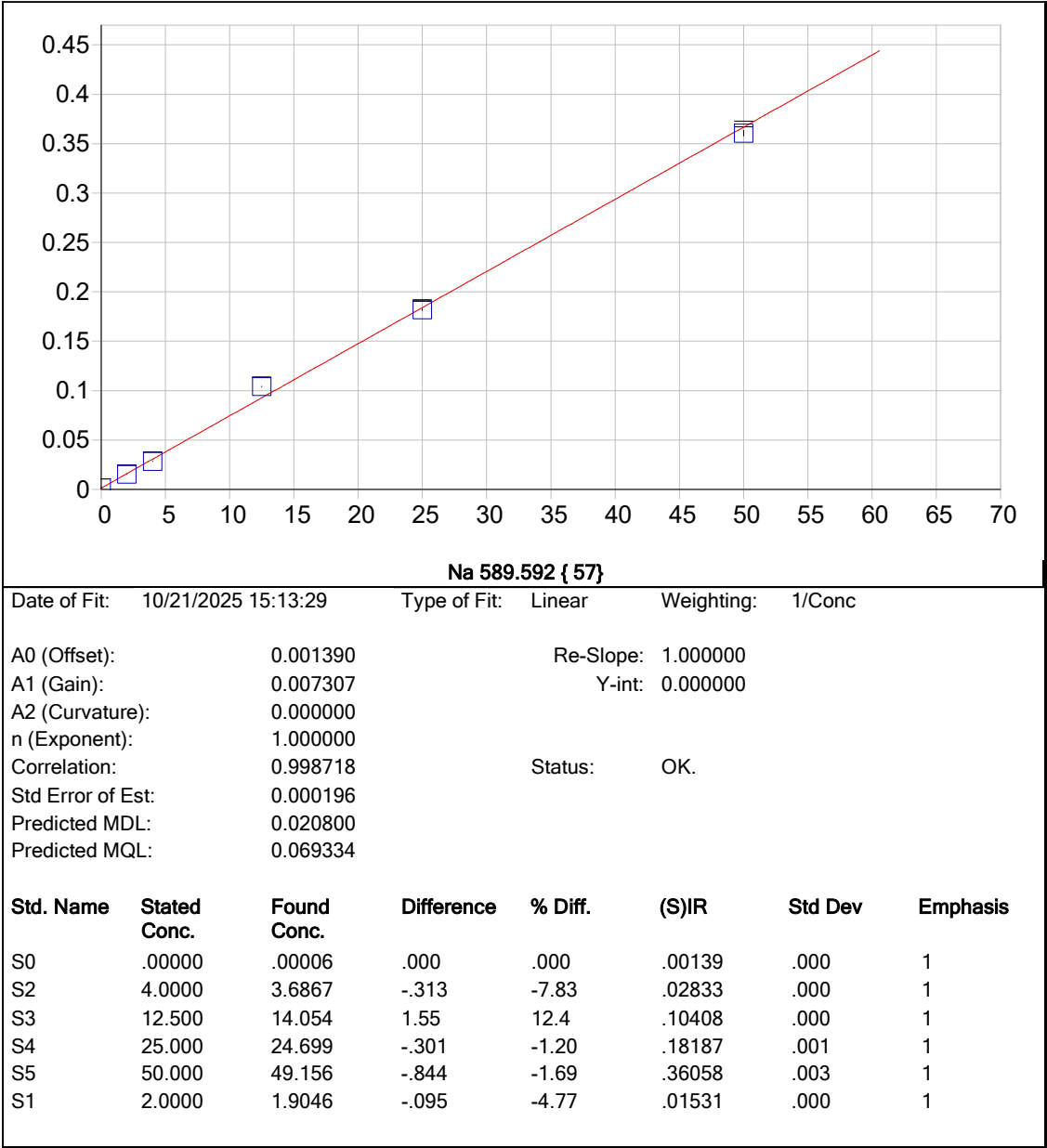


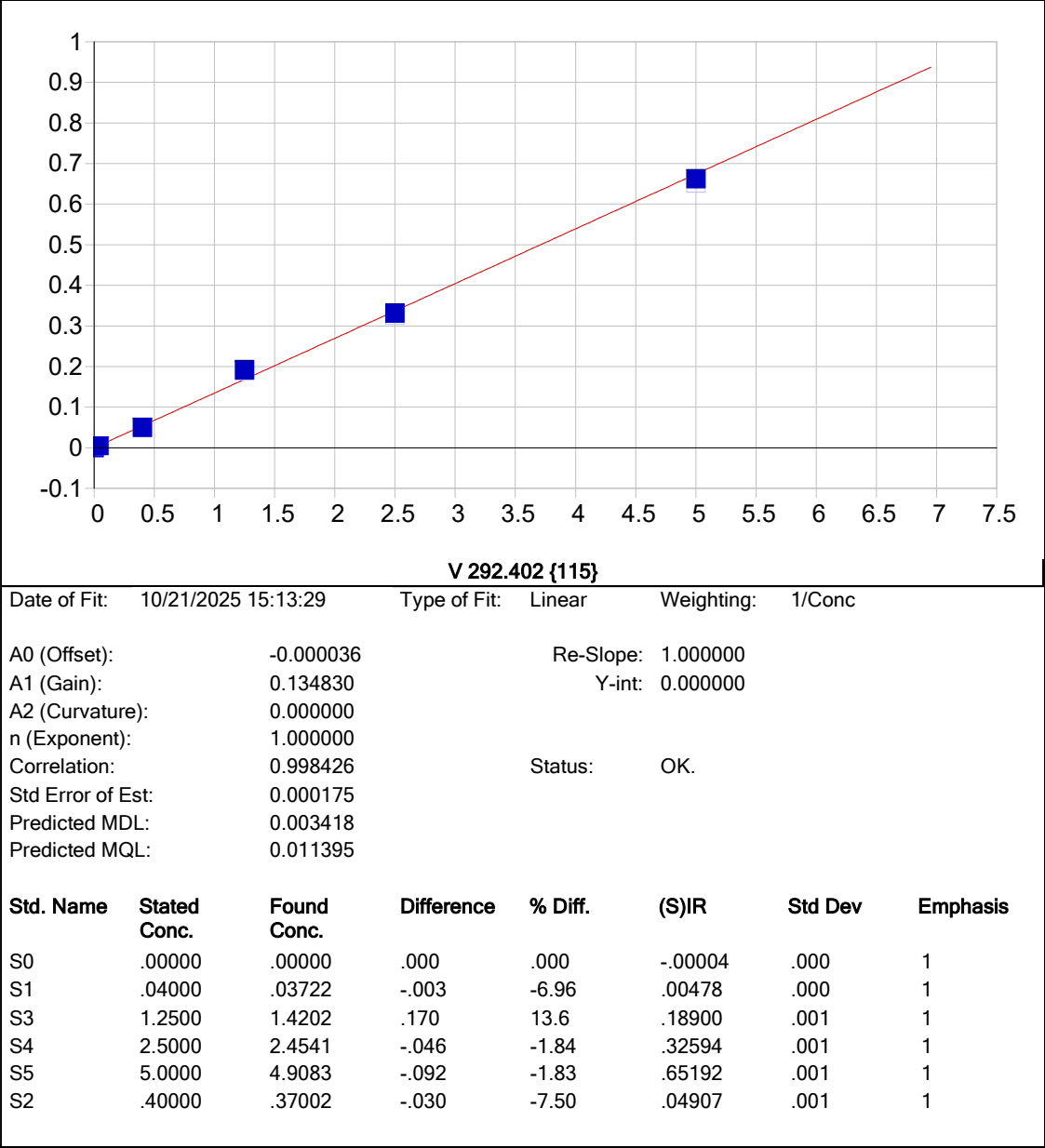


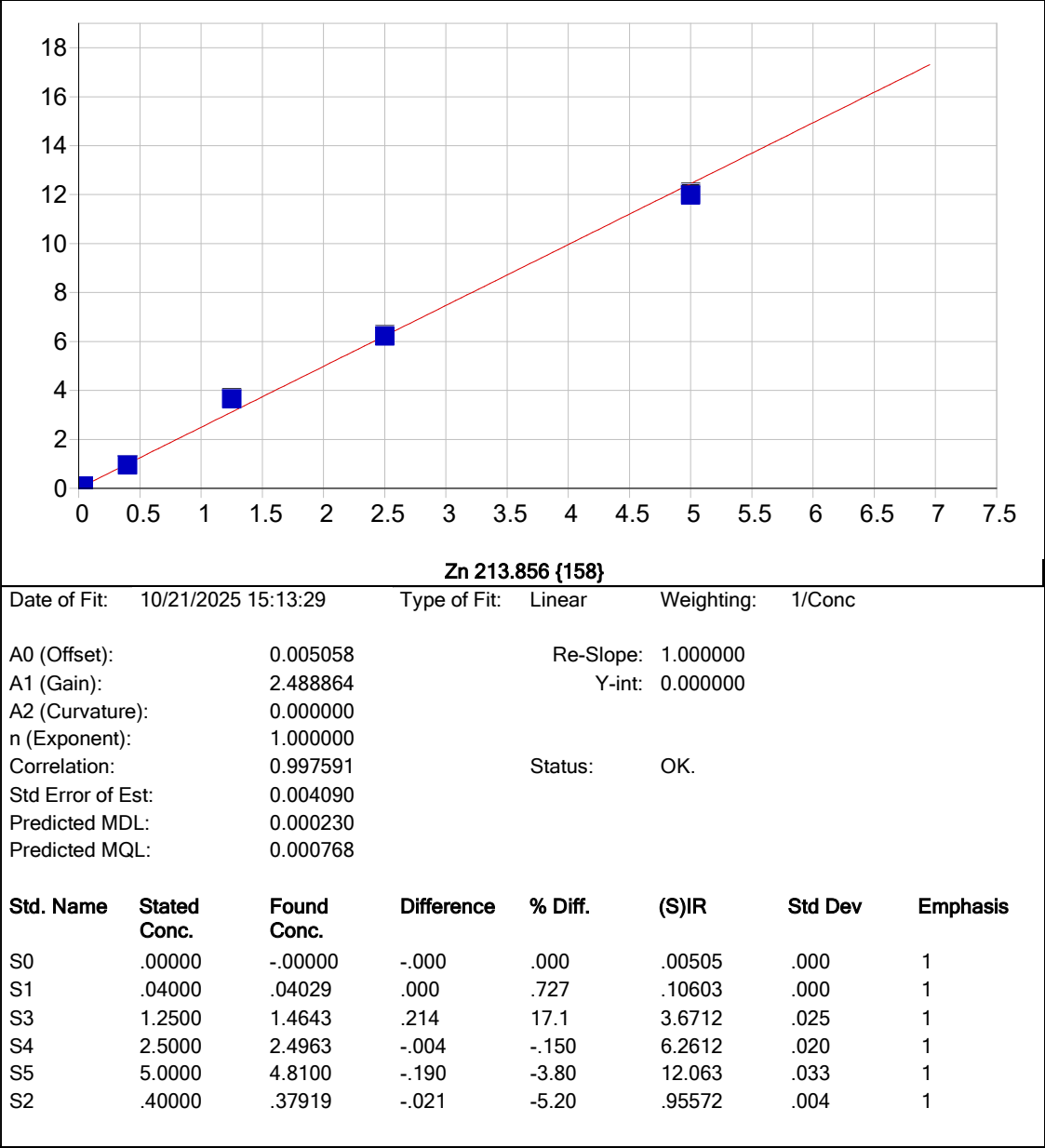


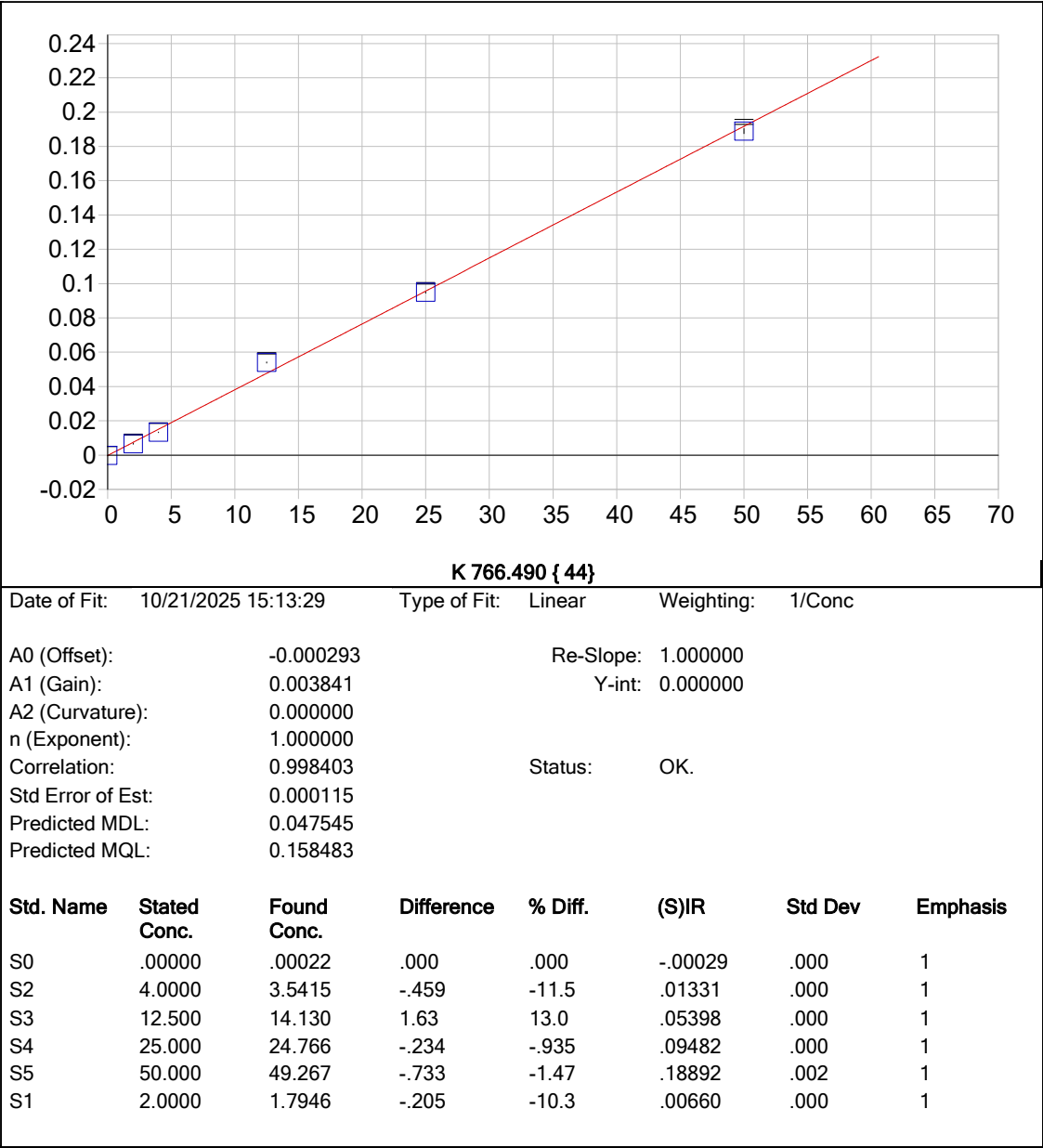


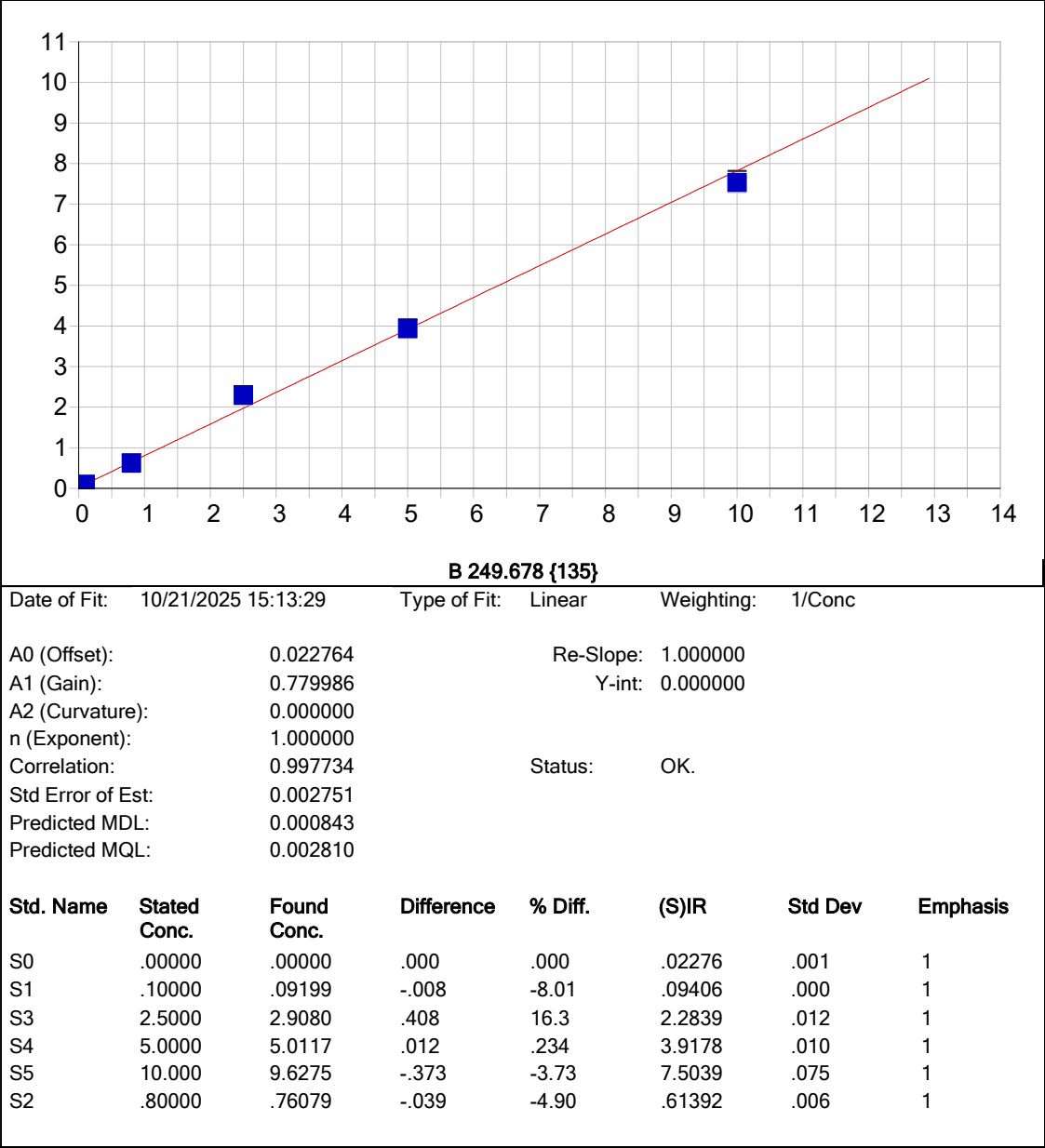


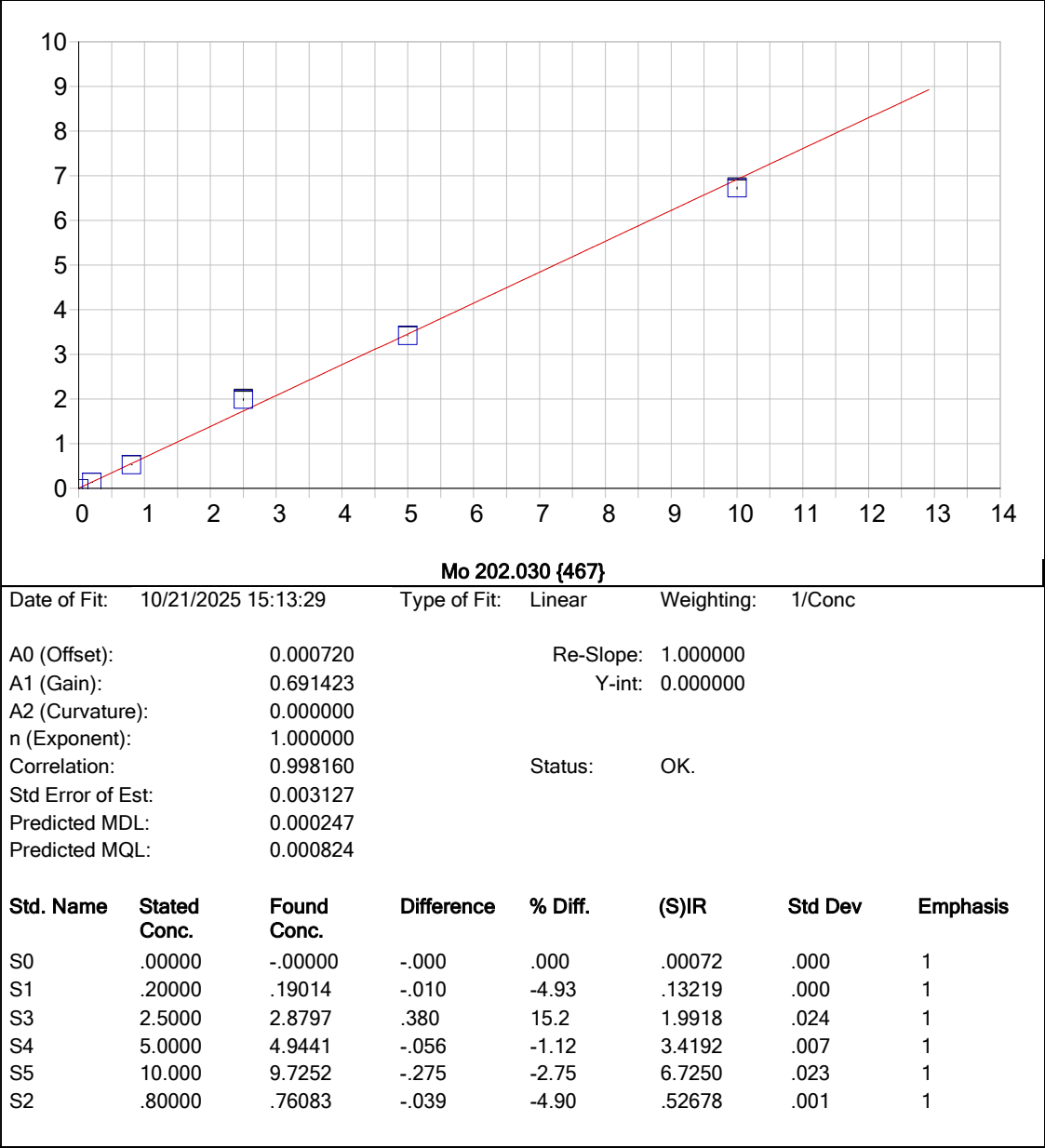


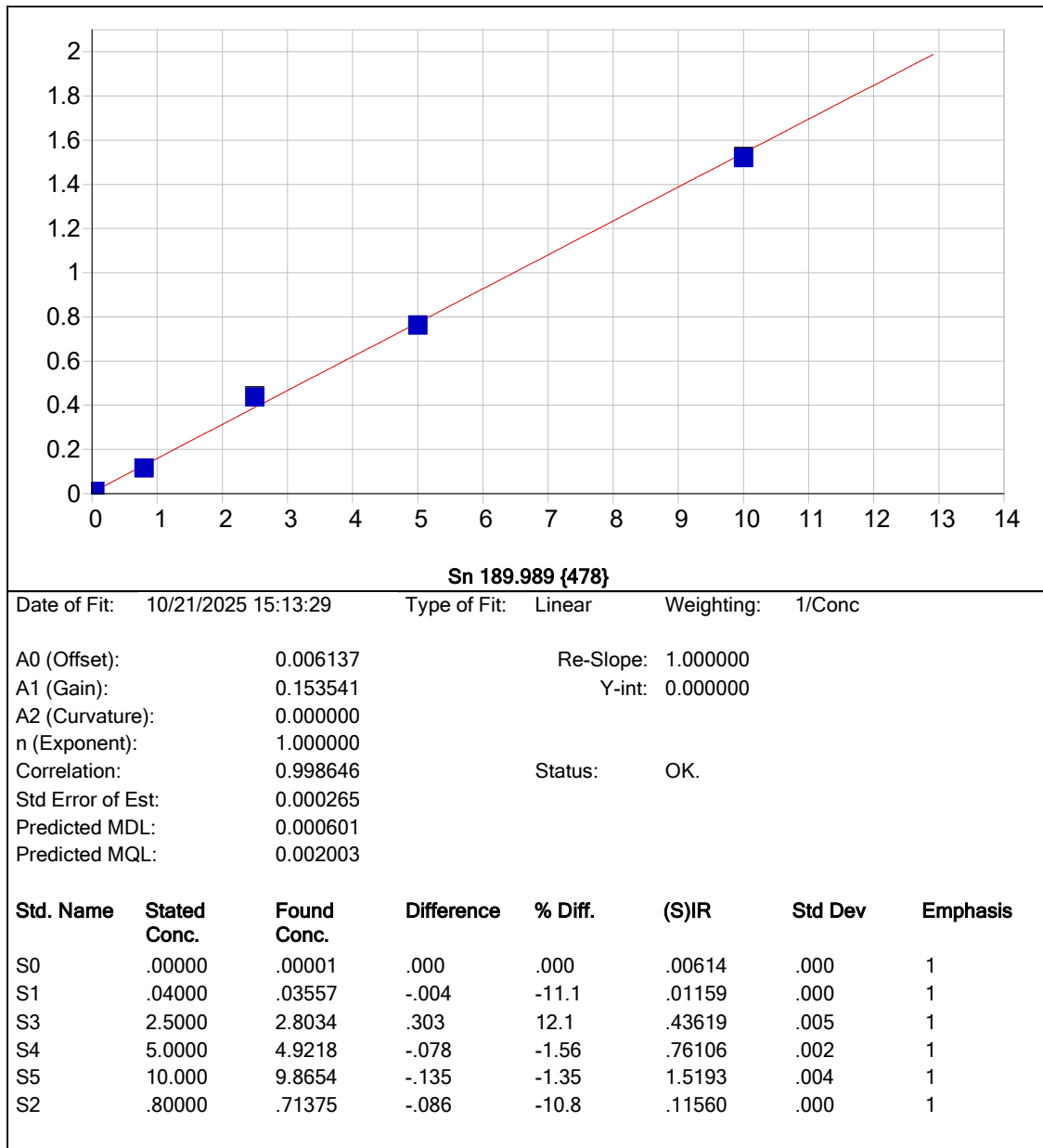


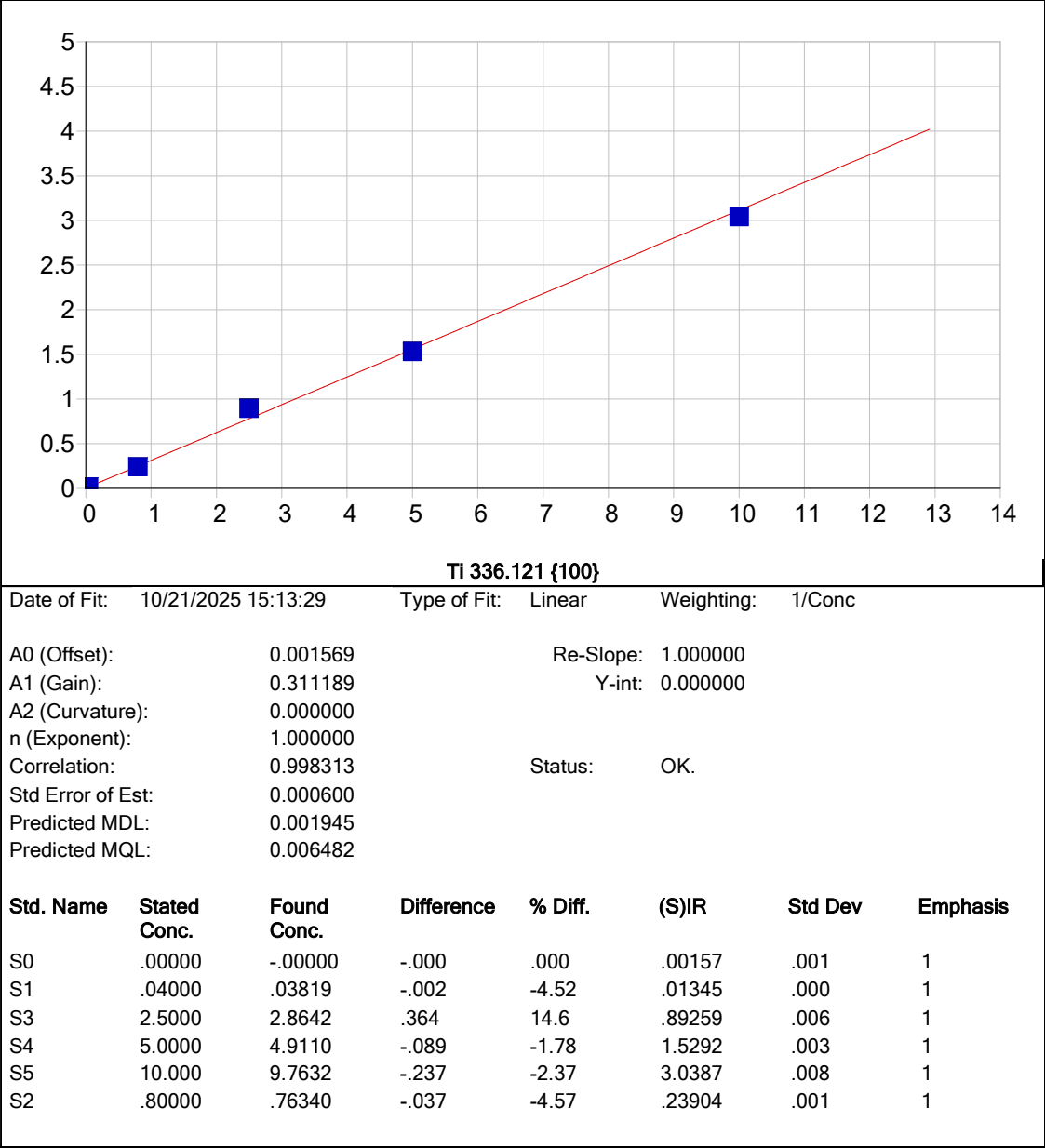


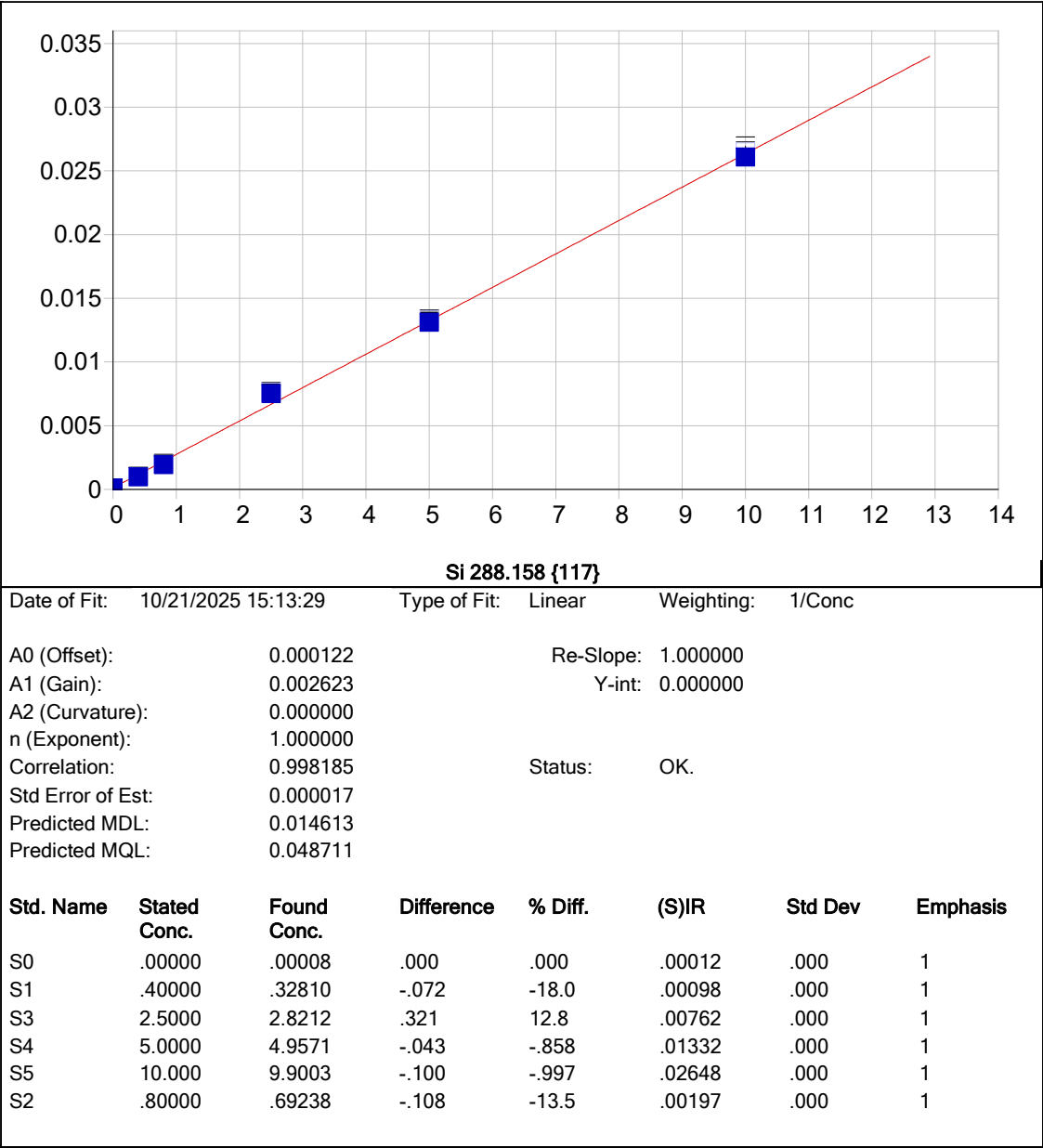


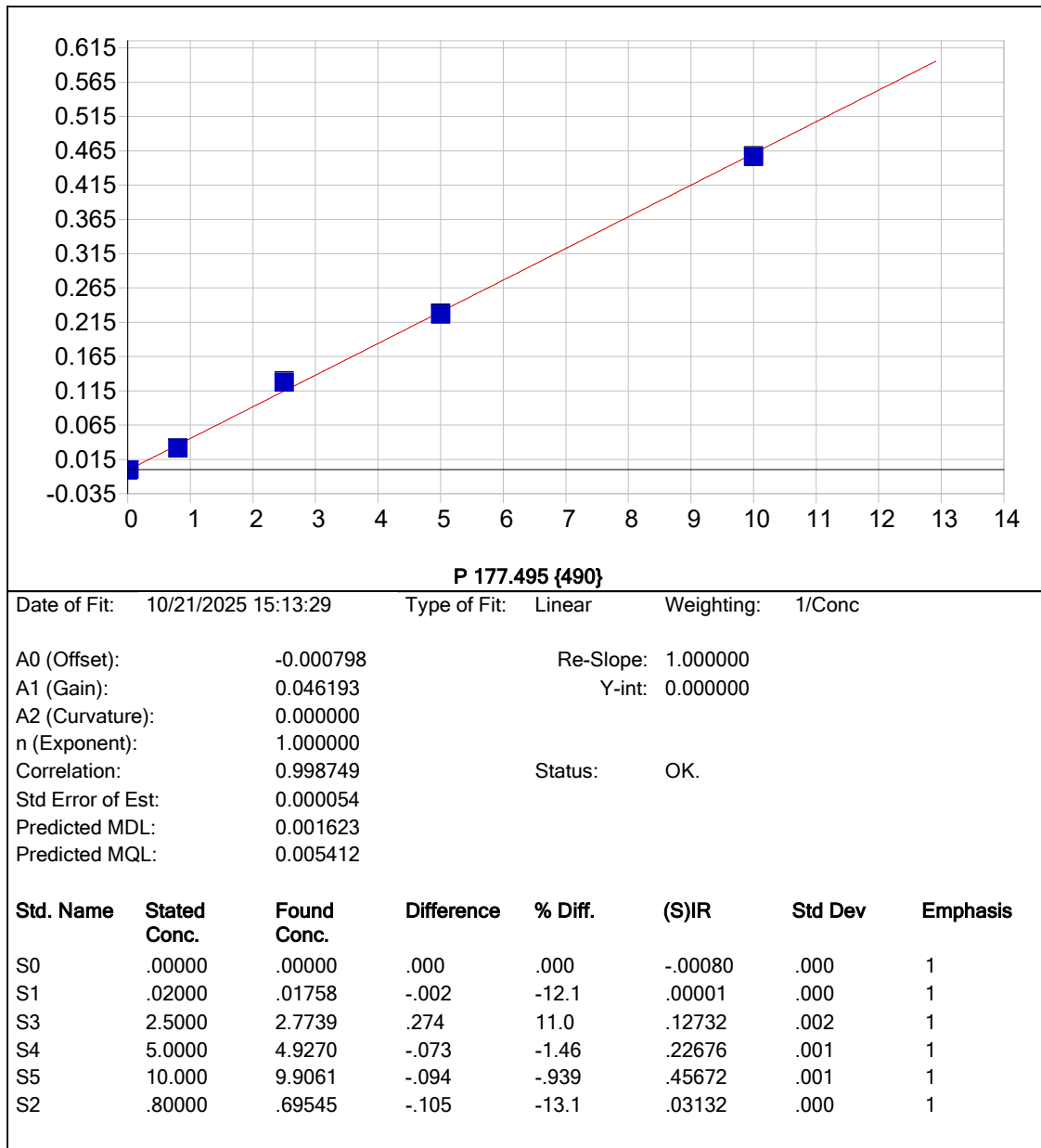


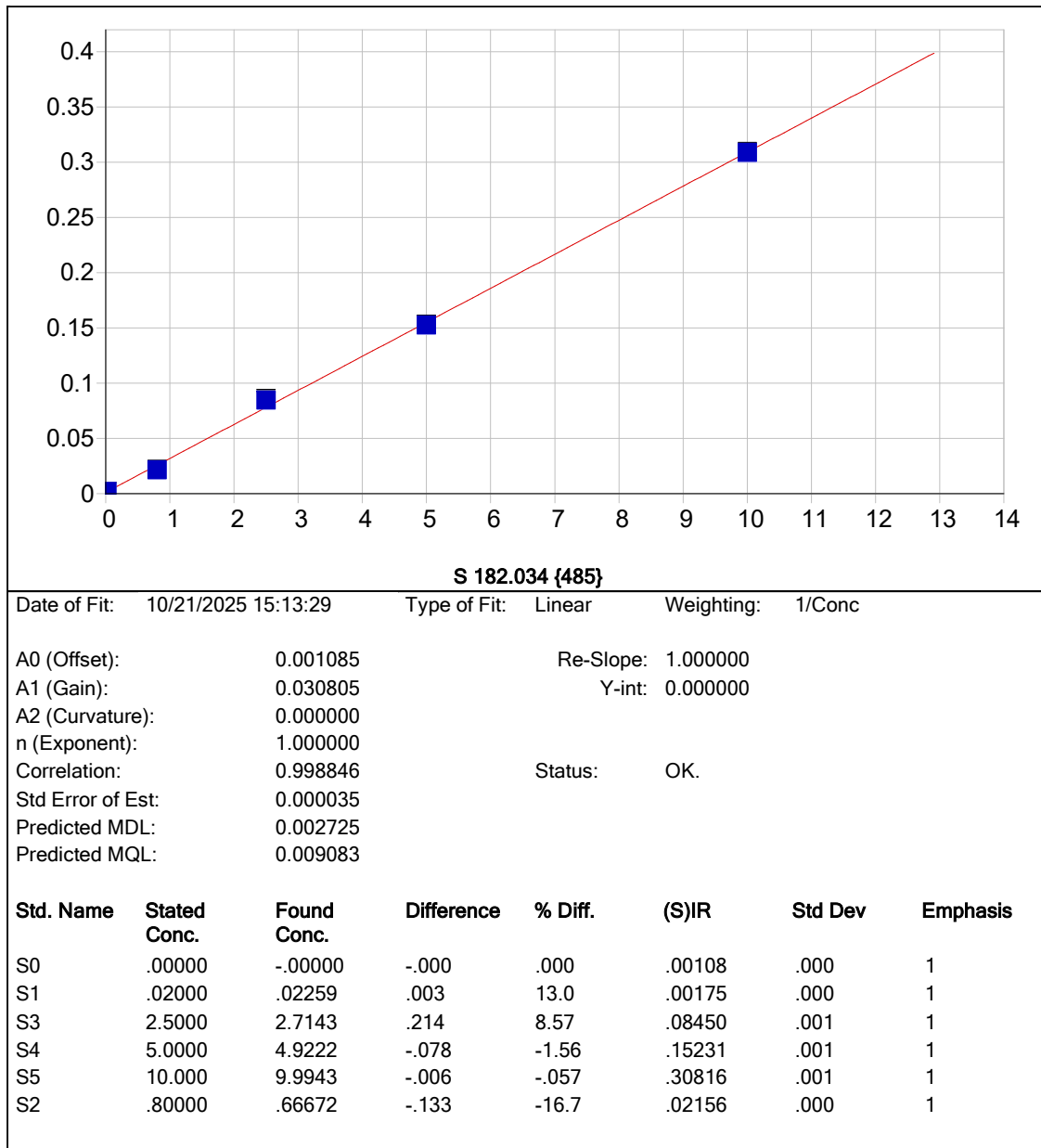


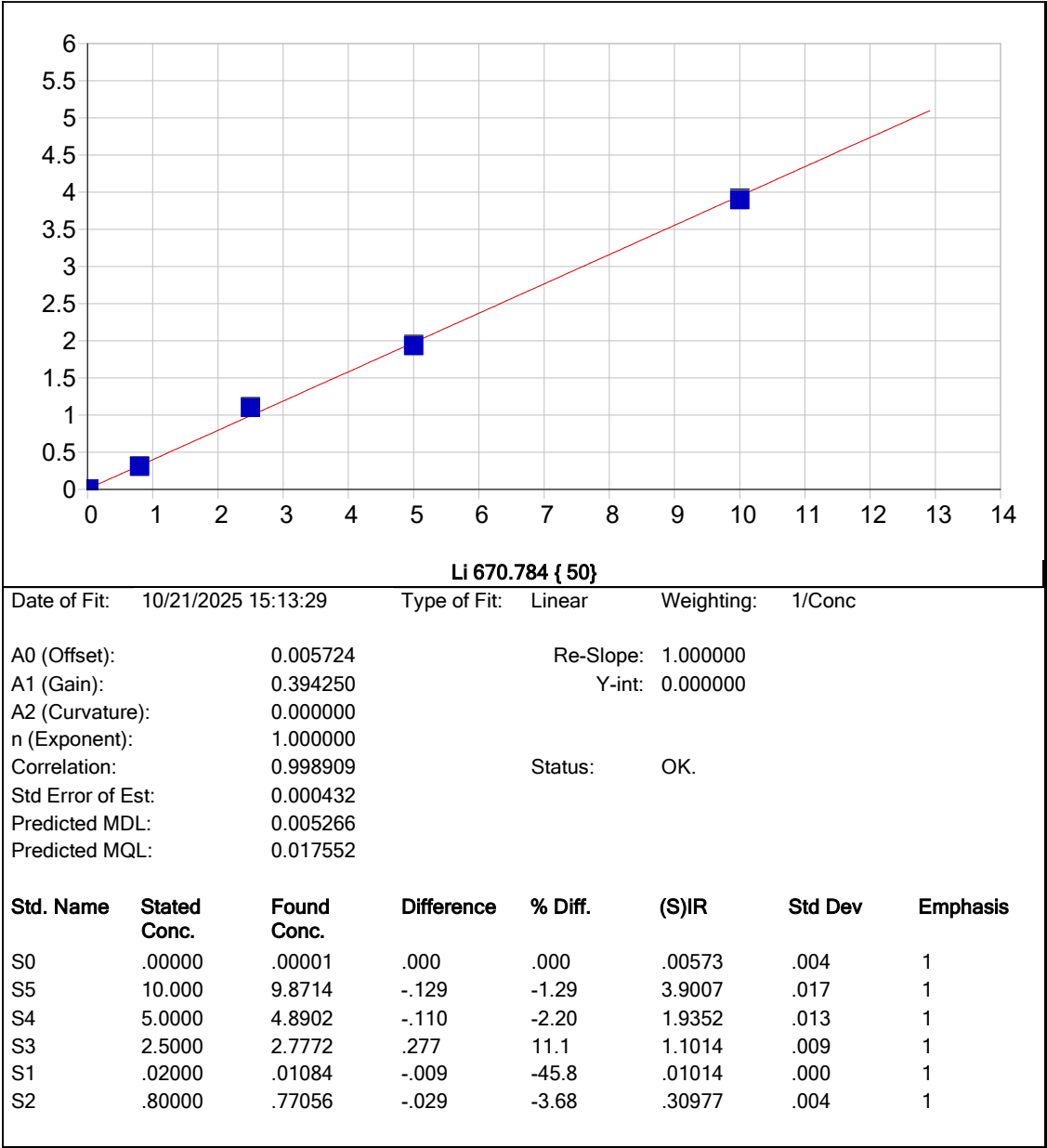


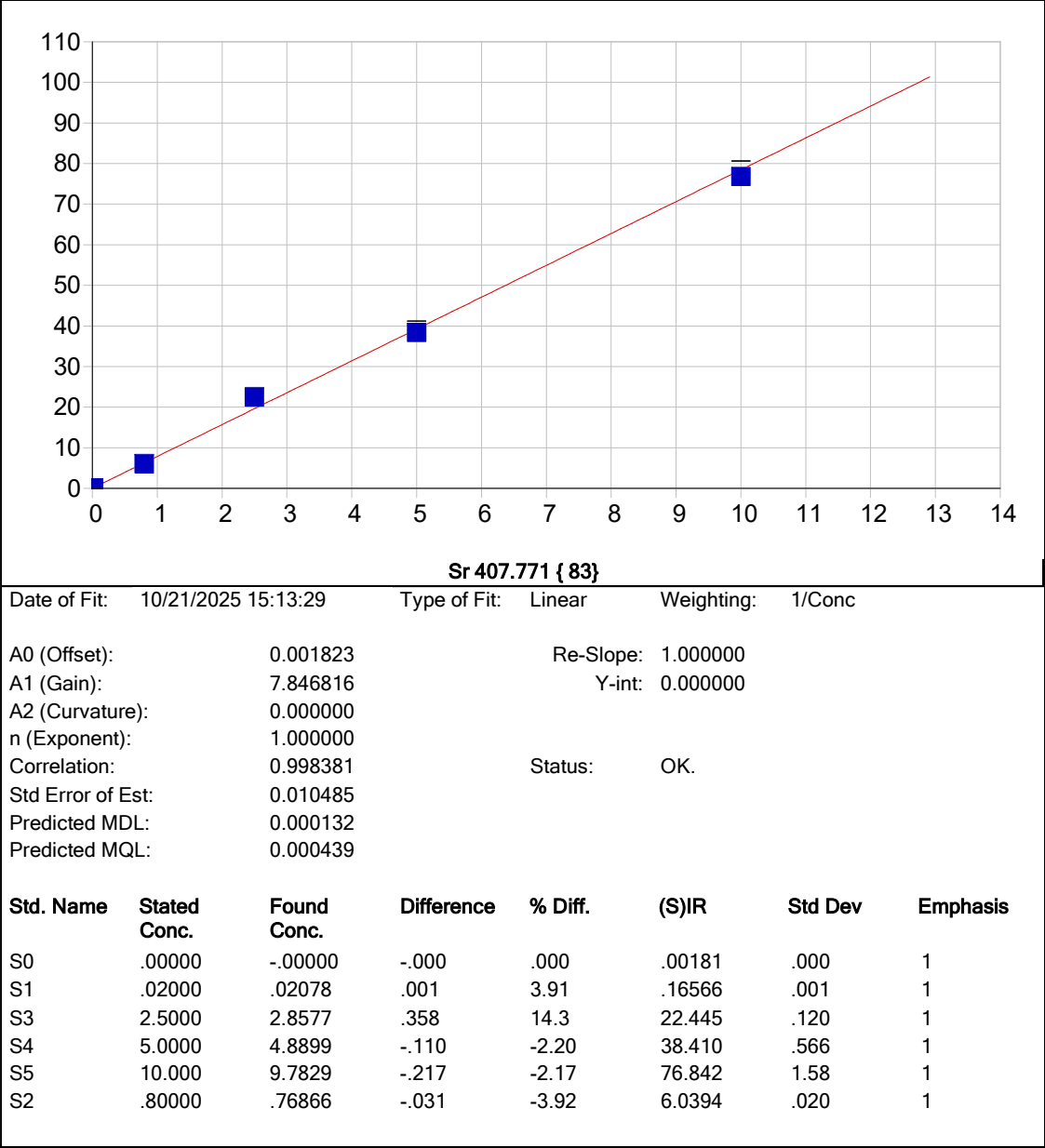


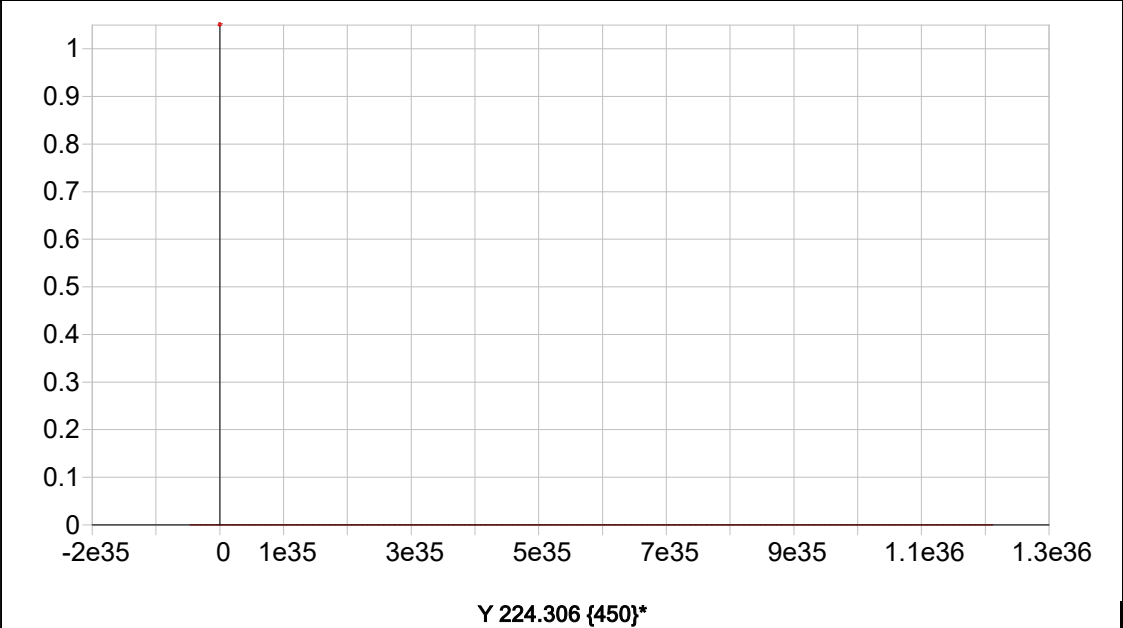




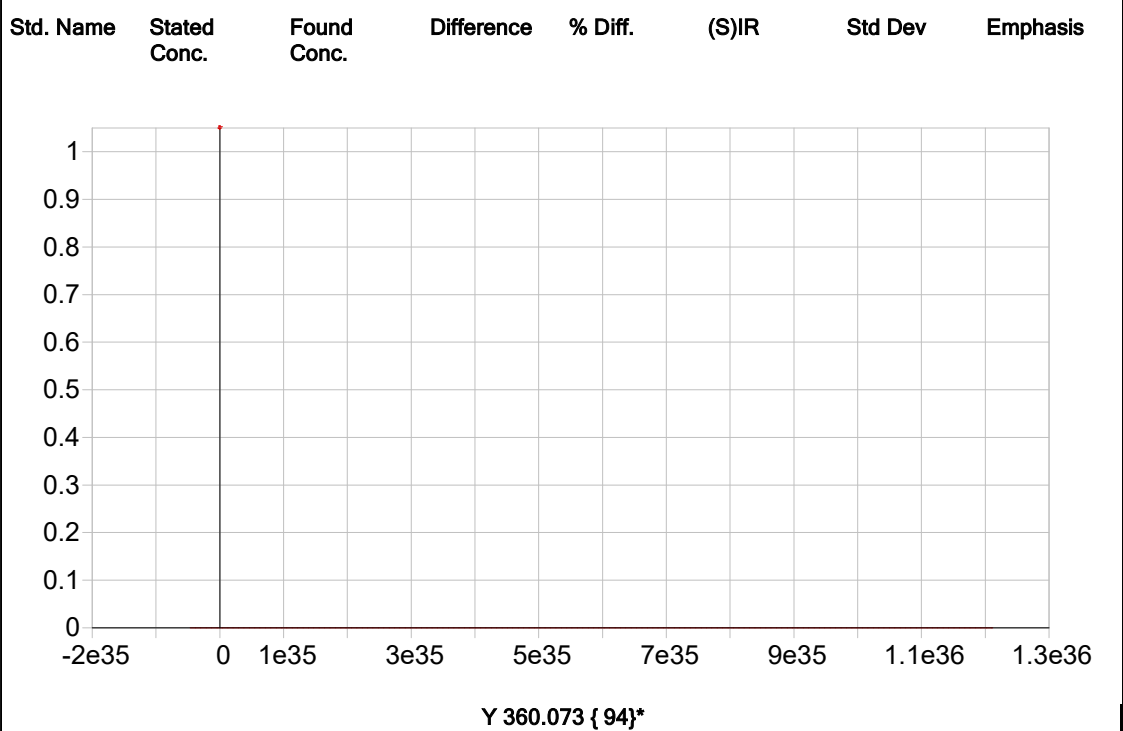




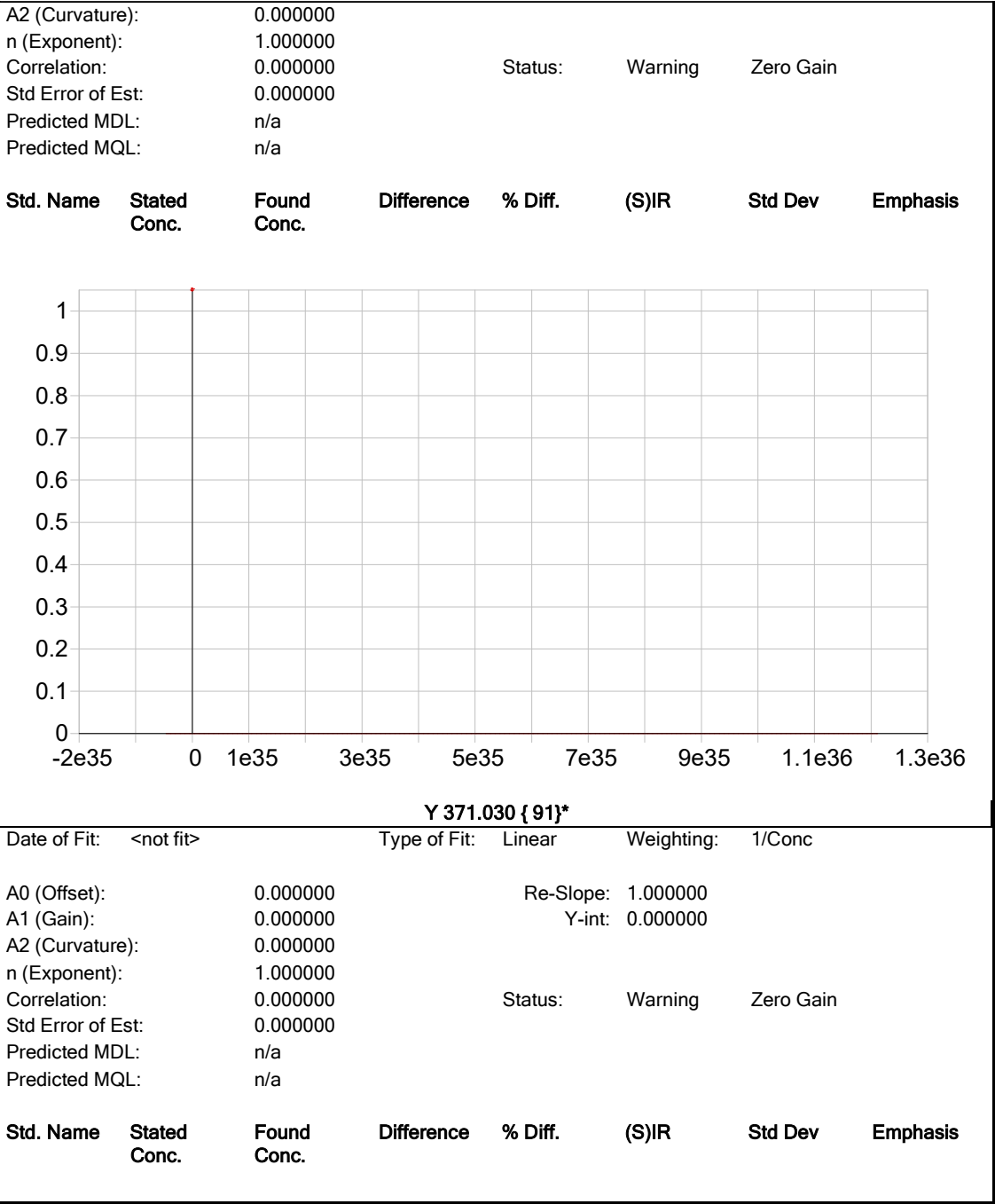


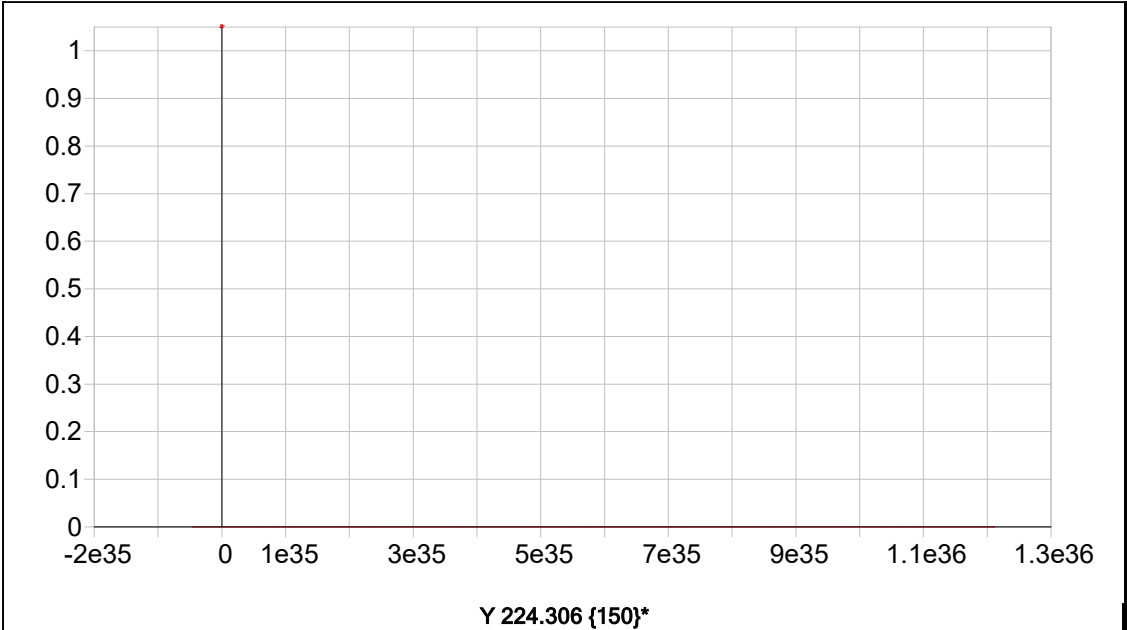


Date of Fit:	10/21/2025 15:13:29	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

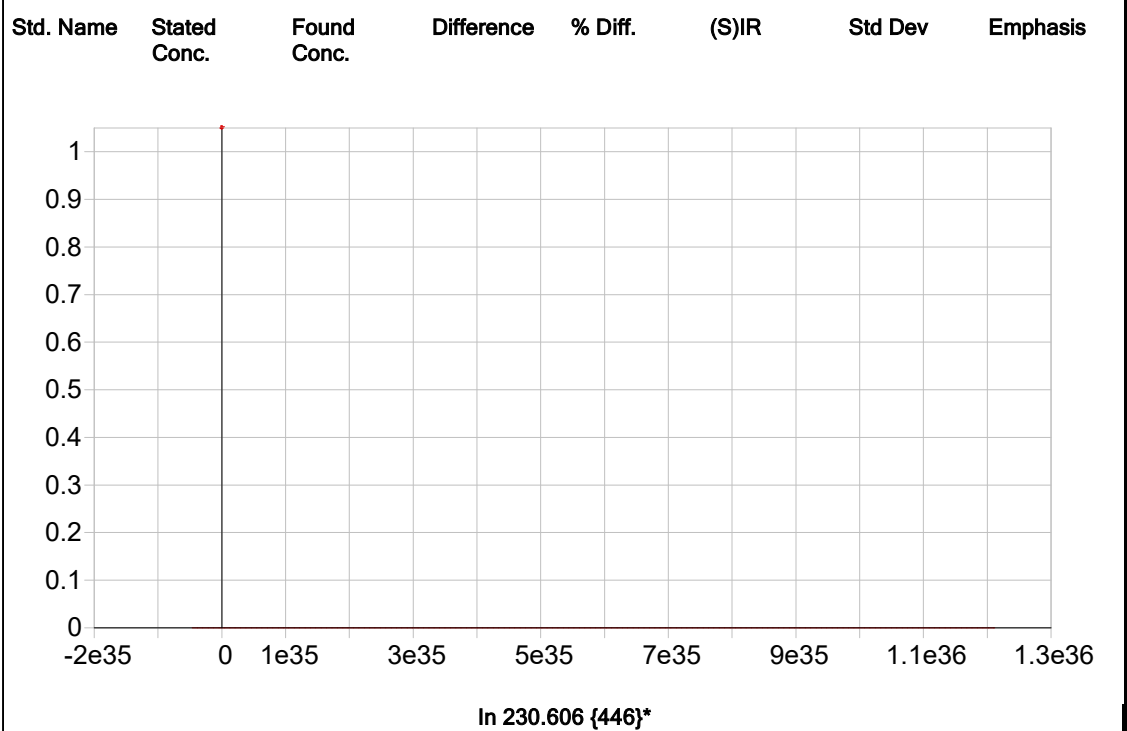


Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		





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						



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

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Sample Name: S0 Acquired: 10/21/2025 12:03:57 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	.00045	.00001	.00052	.00083	-.00098	.08234	-.00225
Stddev	.00004	.00006	.00006	.00023	.00018	.00036	.00114	.00039
%RSD	50.806	13.322	467.36	44.267	21.776	36.581	1.3785	17.400

#1	-.00014	.00042	-.00003	.00073	.00089	-.00063	.08106	-.00261
#2	-.00008	.00041	.00008	.00027	.00063	-.00135	.08277	-.00183
#3	-.00005	.00052	-.00001	.00055	.00098	-.00096	.08321	-.00231

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00001	.00064	.00013	.00018	.00057	.00001	.00037	.00002
Stddev	.00007	.00029	.00003	.00013	.00013	.00002	.00017	.00032
%RSD	1077.1	45.707	19.368	72.313	22.149	138.42	45.755	1893.3

#1	.00007	.00097	.00016	.00015	.00044	-.00001	.00053	-.00014
#2	-.00005	.00057	.00013	.00007	.00059	.00002	.00038	.00038
#3	-.00004	.00040	.00011	.00033	.00070	.00003	.00019	-.00019

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00086	-.00000	.00139	-.00004	.00505	-.00029	.02276	.00072
Stddev	.00017	.00006	.00007	.00021	.00030	.00011	.00085	.00001
%RSD	19.821	57840.	5.2966	593.75	6.0316	36.840	3.7455	1.2850

#1	-.00082	-.00003	.00131	-.00027	.00484	-.00042	.02364	.00073
#2	-.00105	-.00003	.00143	.00002	.00491	-.00022	.02272	.00072
#3	-.00072	.00006	.00144	.00014	.00540	-.00025	.02194	.00071

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.00614	.00157	.00012	-.00080	.00108	.00573	.00181	
Stddev	.00005	.00051	.00001	.00004	.00007	.00353	.00038	
%RSD	.86670	32.518	9.7885	5.2418	6.5707	61.688	21.259	

#1	.00612	.00187	.00014	-.00084	.00101	.00165	.00141	
#2	.00620	.00186	.00012	-.00079	.00115	.00796	.00184	
#3	.00610	.00098	.00011	-.00076	.00110	.00757	.00217	

Sample Name: S0 Acquired: 10/21/2025 12:03:57 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	5798.9	95766.	7259.2	4626.3	7435.5
Stddev	3.2	677.	30.9	24.5	5.6
%RSD	.05524	.70671	.42531	.52855	.07595
#1	5800.4	96209.	7261.9	4636.4	7429.9
#2	5795.3	96102.	7227.1	4644.0	7435.5
#3	5801.2	94987.	7288.7	4598.4	7441.2

Sample Name: S1 Acquired: 10/21/2025 12:08:22 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	.00098	.00260	.00225	.00146	.00564	.00889	.31987	.05922
Stddev	.00002	.00009	.00030	.00009	.00004	.00082	.00262	.00090
%RSD	2.3908	3.5985	13.539	6.0272	.78622	9.2765	.81837	1.5232
#1	.00096	.00264	.00214	.00142	.00559	.00890	.32024	.05892
#2	.00100	.00266	.00260	.00156	.00567	.00971	.31710	.05851
#3	.00099	.00249	.00202	.00140	.00565	.00806	.32229	.06024
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01694	.12077	.00212	.03055	.01479	.00028	.00930	.02568
Stddev	.00005	.00098	.00007	.00014	.00004	.00002	.00015	.00042
%RSD	.27395	.81314	3.1609	.44882	.27489	5.3962	1.5694	1.6465
#1	.01694	.12187	.00208	.03070	.01483	.00028	.00926	.02537
#2	.01699	.11998	.00220	.03045	.01475	.00027	.00946	.02550
#3	.01690	.12046	.00208	.03048	.01481	.00030	.00918	.02616
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02243	.00192	.01531	.00478	.10603	.00660	.09406	.13219
Stddev	.00011	.00009	.00018	.00020	.00015	.00020	.00035	.00047
%RSD	.48030	4.6222	1.1655	4.0939	.13872	3.0162	.37138	.35891
#1	.02245	.00196	.01522	.00460	.10620	.00637	.09418	.13255
#2	.02231	.00182	.01551	.00499	.10592	.00672	.09366	.13236
#3	.02252	.00198	.01519	.00475	.10599	.00671	.09433	.13165
Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.01159	.01345	.00098	.00001	.00175	.01014	.16566	
Stddev	.00010	.00040	.00001	.00003	.00009	.00048	.00072	
%RSD	.85273	3.0024	1.4702	215.99	4.8459	4.7280	.43620	
#1	.01167	.01384	.00100	-.00001	.00184	.01064	.16602	
#2	.01162	.01346	.00098	.00001	.00175	.00969	.16613	
#3	.01148	.01303	.00097	.00005	.00167	.01008	.16482	

Sample Name: S1 Acquired: 10/21/2025 12:08:22 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	5775.7	95019.	7076.9	4632.0	7272.7
Stddev	15.1	140.	3.6	22.9	16.6
%RSD	.26162	.14682	.05031	.49423	.22859
#1	5760.0	94920.	7079.8	4622.0	7253.9
#2	5776.8	94958.	7072.9	4658.2	7278.6
#3	5790.2	95179.	7077.9	4615.8	7285.5

Sample Name: S2 Acquired: 10/21/2025 12:12:41 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	.03898	.04045	.15048	.03505	.07415	.13739	3.7026	.37903
Stddev	.00021	.00128	.00032	.00014	.00010	.00131	.0157	.00322
%RSD	.54423	3.1685	.21287	.39178	.13031	.95037	.42399	.84917

#1	.03874	.03914	.15075	.03501	.07421	.13797	3.6998	.38160
#2	.03908	.04051	.15012	.03494	.07421	.13589	3.6886	.37542
#3	.03913	.04171	.15056	.03520	.07404	.13830	3.7196	.38007

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.0999	.22722	.03120	.39307	.13197	.00186	.16633	.04632
Stddev	.0025	.00122	.00005	.00083	.00043	.00002	.00041	.00031
%RSD	.22529	.53858	.17024	.21017	.32266	.92964	.24924	.66030

#1	1.1015	.22858	.03114	.39356	.13224	.00186	.16662	.04610
#2	1.0970	.22685	.03125	.39212	.13148	.00184	.16585	.04620
#3	1.1011	.22622	.03121	.39354	.13218	.00187	.16650	.04667

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.22304	.03780	.02833	.04907	.95572	.01331	.61392	.52678
Stddev	.00071	.00013	.00017	.00061	.00377	.00023	.00605	.00071
%RSD	.31652	.34769	.59482	1.2506	.39439	1.7007	.98565	.13464

#1	.22332	.03765	.02817	.04950	.95148	.01324	.61931	.52663
#2	.22224	.03788	.02832	.04836	.95868	.01312	.60737	.52616
#3	.22357	.03787	.02850	.04934	.95701	.01356	.61509	.52755

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.11560	.23904	.00197	.03132	.02156	.30977	6.0394	
Stddev	.00043	.00056	.00007	.00012	.00019	.00421	.0204	
%RSD	.37343	.23589	3.5246	.37797	.85915	1.3604	.33799	

#1	.11519	.23848	.00189	.03145	.02138	.30930	6.0411	
#2	.11557	.23903	.00199	.03121	.02154	.30581	6.0182	
#3	.11605	.23961	.00203	.03130	.02175	.31420	6.0589	

Sample Name: S2 Acquired: 10/21/2025 12:12:41 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	5750.4	94486.	7087.3	4600.4	7067.0
Stddev	15.9	489.	12.8	20.3	23.4
%RSD	.27711	.51764	.18124	.44053	.33100
#1	5732.6	95019.	7079.4	4617.5	7043.4
#2	5763.4	94057.	7102.2	4578.0	7090.2
#3	5755.2	94384.	7080.5	4605.8	7067.3

Sample Name: S3 Acquired: 10/21/2025 12:16:50 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	.14994	.15198	.58352	.13303	.28054	.52095	13.788	1.4384
Stddev	.00215	.00464	.00575	.00174	.00308	.00389	.084	.0114
%RSD	1.4324	3.0526	.98503	1.3074	1.0993	.74744	.60918	.79168
#1	.14910	.14727	.58167	.13199	.27859	.52426	13.871	1.4506
#2	.14833	.15212	.57892	.13206	.27894	.52192	13.788	1.4364
#3	.15238	.15655	.58996	.13504	.28409	.51666	13.703	1.4281
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.3418	.86215	.12065	1.5264	.49285	.00718	.61667	.17539
Stddev	.0513	.00416	.00070	.0158	.00531	.00006	.00525	.00054
%RSD	1.1818	.48244	.58250	1.0329	1.0765	.82490	.85107	.30830
#1	4.3192	.86604	.12108	1.5207	.49100	.00719	.62273	.17598
#2	4.3058	.86263	.12103	1.5142	.48872	.00723	.61353	.17530
#3	4.4006	.85777	.11983	1.5442	.49883	.00711	.61376	.17491
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.86665	.14682	.10408	.18900	3.6712	.05398	2.2839	1.9918
Stddev	.00994	.00061	.00041	.00128	.0248	.00030	.0120	.0245
%RSD	1.1466	.41219	.39136	.67925	.67632	.56261	.52703	1.2280
#1	.86288	.14725	.10431	.19044	3.6975	.05400	2.2977	1.9776
#2	.85915	.14707	.10433	.18855	3.6677	.05426	2.2788	1.9778
#3	.87792	.14613	.10361	.18799	3.6482	.05366	2.2753	2.0201
Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.43619	.89259	.00762	.12732	.08450	1.1014	22.445	
Stddev	.00520	.00551	.00005	.00184	.00124	.0090	.120	
%RSD	1.1911	.61698	.70696	1.4450	1.4707	.81313	.53530	
#1	.43395	.89777	.00765	.12625	.08387	1.1102	22.522	
#2	.43248	.89320	.00765	.12627	.08370	1.1017	22.306	
#3	.44212	.88681	.00756	.12944	.08593	1.0923	22.506	

Sample Name: S3 Acquired: 10/21/2025 12:16:50 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	5767.3	92853.	7292.0	4460.8	6794.7
Stddev	41.8	380.	44.4	25.1	49.7
%RSD	.72513	.40920	.60891	.56330	.73125
#1	5771.3	92510.	7240.9	4434.2	6792.0
#2	5806.9	92787.	7313.2	4464.1	6845.7
#3	5723.5	93261.	7321.8	4484.2	6746.5

Sample Name: S4 Acquired: 10/21/2025 12:21:01 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	.26087	.29130	1.0171	.23257	.48267	.89919	23.505	2.4353
Stddev	.00090	.00375	.0017	.00089	.00041	.00059	.094	.0098
%RSD	.34497	1.2880	.16466	.38462	.08418	.06587	.39995	.40082
#1	.26112	.29519	1.0158	.23239	.48276	.89985	23.478	2.4406
#2	.26161	.29098	1.0190	.23354	.48302	.89871	23.427	2.4240
#3	.25987	.28771	1.0166	.23178	.48223	.89901	23.609	2.4413
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.6414	1.4763	.20413	2.6672	.84014	.01239	1.0482	.30354
Stddev	.0159	.0010	.00063	.0052	.00142	.00003	.0024	.00141
%RSD	.20811	.06826	.30892	.19434	.16922	.26320	.23311	.46338
#1	7.6267	1.4774	.20466	2.6630	.83854	.01239	1.0479	.30466
#2	7.6583	1.4753	.20343	2.6730	.84126	.01243	1.0460	.30401
#3	7.6392	1.4763	.20429	2.6657	.84062	.01236	1.0509	.30196
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.5136	.25105	.18187	.32594	6.2612	.09482	3.9178	3.4192
Stddev	.0028	.00087	.00082	.00118	.0204	.00043	.0100	.0070
%RSD	.18621	.34841	.45204	.36057	.32566	.45486	.25541	.20538
#1	1.5108	.25029	.18162	.32698	6.2388	.09446	3.9175	3.4186
#2	1.5164	.25086	.18120	.32617	6.2659	.09471	3.9079	3.4265
#3	1.5137	.25200	.18279	.32466	6.2788	.09530	3.9279	3.4125
Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.76106	1.5292	.01332	.22676	.15231	1.9352	38.410	
Stddev	.00153	.0026	.00004	.00115	.00056	.0127	.566	
%RSD	.20087	.16716	.31141	.50580	.36848	.65410	1.4730	
#1	.75973	1.5274	.01336	.22592	.15222	1.9386	38.977	
#2	.76273	1.5281	.01333	.22807	.15291	1.9213	37.846	
#3	.76070	1.5322	.01328	.22628	.15180	1.9459	38.406	

Sample Name: S4 Acquired: 10/21/2025 12:21:01 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	5366.3	86820.	6920.5	4135.3	6171.5
Stddev	6.0	536.	48.0	5.6	10.7
%RSD	.11127	.61690	.69355	.13527	.17417
#1	5373.2	86204.	6865.4	4138.0	6183.8
#2	5363.2	87083.	6953.4	4139.1	6163.8
#3	5362.5	87173.	6942.7	4128.9	6167.0

Sample Name: S5 Acquired: 10/21/2025 12:25:05 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	.51192	.54232	2.0487	.45104	.94865	1.7834	46.197	4.7020
Stddev	.00215	.01128	.0042	.00172	.00638	.0033	.006	.0473
%RSD	.41966	2.0803	.20638	.38132	.67264	.18424	.01396	1.0064

#1	.51432	.53001	2.0535	.45272	.95425	1.7836	46.190	4.7392
#2	.51128	.54477	2.0454	.45114	.94999	1.7866	46.199	4.7180
#3	.51017	.55217	2.0472	.44928	.94170	1.7800	46.202	4.6487

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	15.336	2.9151	.40249	5.3781	1.6347	.02454	2.0698	.60118
Stddev	.038	.0106	.00032	.0146	.0067	.00023	.0083	.00330
%RSD	.24943	.36393	.07850	.27097	.41294	.93569	.40216	.54924

#1	15.371	2.9204	.40214	5.3949	1.6420	.02431	2.0721	.60332
#2	15.295	2.9220	.40276	5.3683	1.6333	.02456	2.0768	.60285
#3	15.340	2.9029	.40256	5.3711	1.6287	.02477	2.0606	.59738

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.0395	.49050	.36058	.65192	12.063	.18892	7.5039	6.7250
Stddev	.0087	.00094	.00296	.00104	.033	.00152	.0753	.0233
%RSD	.28608	.19208	.82056	.15982	.27148	.80363	1.0029	.34637

#1	3.0495	.48944	.35773	.65245	12.044	.18739	7.5566	6.7513
#2	3.0337	.49123	.36037	.65260	12.101	.18895	7.5375	6.7164
#3	3.0354	.49083	.36364	.65072	12.044	.19042	7.4177	6.7071

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	1.5193	3.0387	.02648	.45672	.30816	3.9007	76.842	
Stddev	.0044	.0079	.00046	.00088	.00081	.0172	1.581	
%RSD	.28901	.25936	1.7367	.19259	.26285	.44048	2.0573	

#1	1.5220	3.0351	.02600	.45767	.30855	3.9089	78.317	
#2	1.5142	3.0477	.02654	.45594	.30723	3.9122	77.036	
#3	1.5217	3.0332	.02691	.45655	.30870	3.8809	75.173	

Sample Name: S5 Acquired: 10/21/2025 12:25:05 Type: Cal
Method: 6010-200.7 NEW(v304) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	5351.5	88048.	6979.0	4171.7	5966.0
Stddev	8.5	3.	75.8	10.9	14.3
%RSD	.15947	.00339	1.0867	.26091	.23903
#1	5342.5	88051.	6915.2	4182.2	5962.1
#2	5359.5	88045.	6958.9	4160.4	5981.8
#3	5352.6	88047.	7062.8	4172.5	5954.1

Sample Name: ICV01 Acquired: 10/21/2025 12:40:04 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.801620	3.836830	3.701719	3.853213	3.884862	7.546449
Stddev	.007512	.179180	.009030	.021855	.001906	.033558
%RSD	.1975896	4.669989	.2439540	.5671802	.0490637	.4446894
#1	3.794778	3.665426	3.699257	3.829448	3.883814	7.507713
#2	3.800423	3.822179	3.694175	3.857742	3.887062	7.564938
#3	3.809658	4.022886	3.711725	3.872448	3.883711	7.566697
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.504786	1.1936554	1.887248	18.78462	7.7835728	1.904038
Stddev	.015203	.0012481	.006819	.01194	.0033102	.004936
%RSD	.2025744	.6444750	.3613201	.0635591	.4224549	.2592339
#1	7.495874	1.1922389	1.881084	18.79569	7.7806388	1.900464
#2	7.522340	1.1945936	1.886087	18.78619	7.7871615	1.901980
#3	7.496143	1.1941336	1.894573	18.77197	7.7829183	1.909669
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9757574	3.804992	1.857045	18.82488	1.906140	9.9556081
Stddev	.0014391	.009815	.004345	.05372	.003375	.0017561
%RSD	.1474838	.2579611	.2339500	.2853810	.1770486	.1837642
#1	9.9741325	3.813947	1.852392	18.85716	1.903574	9.9538009
#2	9.9768709	3.794498	1.860995	18.76287	1.904884	9.9557154
#3	9.9762689	3.806532	1.857749	18.85462	1.909963	9.9573081
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.31319	1.879473	1.922675	18.86119	3.729372	3.847311
Stddev	.09444	.003235	.006766	.11506	.025683	.011896
%RSD	.5157022	.1721031	.3519140	.6100171	.6886659	.3091976
#1	18.39997	1.875864	1.914892	18.99257	3.699769	3.835693
#2	18.32698	1.882112	1.925978	18.81260	3.742645	3.846772
#3	18.21261	1.880441	1.927155	18.77840	3.745703	3.859467

Sample Name: ICV01 Acquired: 10/21/2025 12:40:04 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.783219	3.721680	F 3.557712	F .0054436	F .0303306	F 3.369123
Stddev	.017059	.008037	.016517	.0016015	.0033823	.007432
%RSD	.4509054	.2159400	.4642486	29.41994	11.15147	.2205793

#1	3.771049	3.719211	3.566371	.0050882	.0336021	3.372506
#2	3.775891	3.730661	3.568098	.0040497	.0268474	3.374261
#3	3.802718	3.715167	3.538666	.0071930	.0305425	3.360602

Elem	Sr4077
Units	ppm
Avg	3.801734
Stddev	.030220
%RSD	.7949048

#1	3.774823
#2	3.795953
#3	3.834428

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5563.982	90468.16	7282.105	4308.941	6464.981
Stddev	7.275	132.44	26.520	13.394	12.883
%RSD	.1307549	.1463920	.3641799	.3108439	.1992757

#1	5570.682	90408.64	7310.140	4324.334	6474.335
#2	5565.020	90375.92	7257.418	4299.945	6470.322
#3	5556.243	90619.91	7278.757	4302.544	6450.287

Sample Name: LLICV01 Acquired: 10/21/2025 12:44:10 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0200935	.0416540	.0109795	.0230714	.0520651	.1101974
Stddev	.0027285	.0013325	.0008753	.0003999	.0009594	.0041528
%RSD	13.57892	3.198899	7.971785	1.733320	1.842618	3.768539

#1	.0191925	.0431019	.0100412	.0229285	.0522964	.1106988
#2	.0231585	.0404793	.0111236	.0235232	.0528876	.1058167
#3	.0179295	.0413808	.0117738	.0227626	.0510112	.1140768

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0950069	.0062074	.0056790	1.994871	.0099830	.0288495
Stddev	.0002733	.0000483	.0001232	.022285	.0002707	.0001003
%RSD	.2876432	.7773782	2.169976	1.117135	2.711708	.3476838

#1	.0947146	.0062228	.0057439	2.009044	.0100493	.0289641
#2	.0950499	.0062461	.0055368	1.969184	.0096853	.0288069
#3	.0952560	.0061533	.0057561	2.006385	.0102144	.0287775

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0214594	.1090099	.0197038	2.061612	.0389386	.0102849
Stddev	.0004669	.0086900	.0005906	.013759	.0002470	.0004898
%RSD	2.175968	7.971792	2.997293	.6674063	.6342821	4.762353

#1	.0217080	.1007117	.0203805	2.047456	.0391367	.0103747
#2	.0217495	.1082730	.0192924	2.062445	.0386619	.0107236
#3	.0209207	.1180449	.0194384	2.074937	.0390172	.0097564

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.790000	.0347633	.0417254	1.980475	.0934535	.1985323
Stddev	.030520	.0022999	.0001966	.020879	.0003070	.0000765
%RSD	1.705049	6.615900	.4712684	1.054222	.3285118	.0385238

#1	1.821824	.0353543	.0415716	1.956459	.0931006	.1984683
#2	1.760976	.0322256	.0416576	1.990655	.0936586	.1985117
#3	1.787201	.0367101	.0419469	1.994311	.0936014	.1986170

Sample Name: LLICV01 Acquired: 10/21/2025 12:44:10 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0370023	.0377455	.3434312	.0163392	.0233007	F .0095657
Stddev	.0003512	.0028011	.0027848	.0007396	.0007606	.0073048
%RSD	.9491359	7.420993	.8108842	4.526459	3.264107	76.36444
#1	.0368987	.0361224	.3425770	.0155782	.0225942	.0019629
#2	.0367145	.0409799	.3465431	.0170553	.0241057	.0165307
#3	.0373936	.0361342	.3411735	.0163841	.0232023	.0102034
Elem	Sr4077					
Units	ppm					
Avg	.0202346					
Stddev	.0001023					
%RSD	.5056574					
#1	.0202369					
#2	.0201312					
#3	.0203358					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	5705.413	94409.16	7415.770	4446.190	7233.483	
Stddev	1.584	180.40	21.121	4.356	9.048	
%RSD	.0277594	.1910792	.2848122	.0979725	.1250832	
#1	5704.825	94292.43	7436.398	4444.842	7223.357	
#2	5704.206	94318.12	7416.726	4451.061	7236.319	
#3	5707.206	94616.94	7394.188	4442.667	7240.773	

Sample Name: ICB01 Acquired: 10/21/2025 12:50:28 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	-.000657	.0007260	-.000022	.0016661	.0008136	.0092587	.0015768
Stddev	.001552	.0009024	.000762	.0029099	.0021624	.0039515	.0041825
%RSD	236.1735	124.2975	3395.914	174.6561	265.7897	42.67905	265.2615

#1	-.002438	-.000213	-.000791	.0034557	.0025185	.0066625	-.001076
#2	.000063	.000804	.000733	.0032340	-.001619	.0138063	.006398
#3	.000404	.001587	-.000009	-.001692	.001541	.0073072	-.000592

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000255	-.000059	.0046926	-.000107	-.000115	.0001938	.0096223
Stddev	.0000434	.000025	.0043580	.000350	.000079	.0001118	.0035549
%RSD	170.0642	42.70912	92.86875	327.9350	68.74740	57.71126	36.94443

#1	.0000736	-.000042	-.000267	.000099	-.000108	.0002213	.0121564
#2	-.000011	-.000047	.006435	-.000511	-.000039	.0002893	.0111520
#3	.000014	-.000088	.007910	.000092	-.000197	.0000708	.0055586

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000197	.0125593	-.000070	-.000025	-.051070	-.001512	.0001988
Stddev	.000545	.0268069	.000084	.000216	.036737	.004767	.0002105
%RSD	276.0197	213.4424	120.2710	849.2376	71.93436	315.2843	105.8875

#1	-.000063	.0273329	-.000152	.000224	-.067245	.003464	.0003602
#2	-.000797	.0287292	.000017	-.000152	-.076945	-.001962	-.000039
#3	.000268	-.018384	-.000075	-.000148	-.009021	-.006038	.000276

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.061255	-.009094	-.000415	-.010728	.0011672	-.011736	-.001932
Stddev	.042479	.002037	.000107	.000249	.0025116	.012242	.000752
%RSD	69.34788	22.39552	25.72564	2.318042	215.1791	104.3125	38.90604

#1	-.102828	-.009937	-.000384	-.010851	-.000814	-.023020	-.002786
#2	-.017925	-.006771	-.000534	-.010442	.003992	.001279	-.001370
#3	-.063011	-.010574	-.000327	-.010891	.000324	-.013466	-.001641

Sample Name: ICB01 Acquired: 10/21/2025 12:50:28 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0026762	-.008893	-.000073
Stddev	.0027678	.003851	.000100
%RSD	103.4224	43.30390	136.9210

#1	.0005721	-.004487	-.000156
#2	.0058115	-.010580	.000037
#3	.0016450	-.011613	-.000099

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5596.288	90410.60	6749.930	4251.766	7180.883
Stddev	8.192	115.78	581.219	6.898	11.902
%RSD	.1463849	.1280573	8.610746	.1622320	.1657434

#1	5587.729	90486.78	7084.530	4248.543	7171.573
#2	5597.078	90277.37	6078.797	4259.685	7176.784
#3	5604.056	90467.66	7086.463	4247.070	7194.293

Sample Name: CRI01 Acquired: 10/21/2025 12:54:47 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0222154	.0428091	.0118845	.0242795	.0498868	.1101083
Stddev	.0012658	.0010363	.0007385	.0014371	.0028011	.0108464
%RSD	5.697745	2.420850	6.213630	5.918933	5.615007	9.850639
#1	.0230019	.0436570	.0114103	.0249649	.0518117	.1071956
#2	.0207552	.0431165	.0115078	.0226281	.0511753	.1221137
#3	.0228890	.0416539	.0127353	.0252457	.0466732	.1010157
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0981445	.0062259	.0055922	2.025391	.0099436	.0288329
Stddev	.0015378	.0000485	.0000588	.010907	.0000692	.0001166
%RSD	1.566864	.7787637	1.051845	.5385043	.6959599	.4044205
#1	.0991686	.0062403	.0056478	2.037953	.0099761	.0288548
#2	.0963762	.0061719	.0055982	2.018327	.0099906	.0287069
#3	.0988888	.0062656	.0055306	2.019894	.0098642	.0289370
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0216132	.1071350	.0208790	2.093070	.0385872	.0099476
Stddev	.0004354	.0056717	.0004859	.024007	.0003277	.0004499
%RSD	2.014559	5.294012	2.327255	1.146991	.8492870	4.522665
#1	.0214657	.1135458	.0210356	2.120768	.0382388	.0094283
#2	.0212707	.1027697	.0203342	2.080198	.0386333	.0101945
#3	.0221032	.1050897	.0212674	2.078243	.0388894	.0102201
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.867670	.0355517	.0418813	1.862944	.0884837	.1961754
Stddev	.008811	.0026075	.0001467	.049817	.0008572	.0009147
%RSD	.4717629	7.334498	.3503383	2.674120	.9687938	.4662565
#1	1.866259	.0385517	.0419737	1.835748	.0889965	.1959577
#2	1.877101	.0342735	.0417122	1.920441	.0889606	.1953892
#3	1.859650	.0338298	.0419582	1.832645	.0874941	.1971793

Sample Name: CRI01 Acquired: 10/21/2025 12:54:47 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0372747	.0383629	.3254299	.0196118	.0252300	F .0102393
Stddev	.0003447	.0006692	.0127318	.0008401	.0013483	.0046723
%RSD	.9248032	1.744353	3.912300	4.283671	5.343939	45.63103

#1	.0374438	.0378276	.3197788	.0189871	.0237666	.0148799
#2	.0368780	.0391131	.3400091	.0192815	.0264218	.0055359
#3	.0375021	.0381480	.3165019	.0205669	.0255018	.0103022

Elem	Sr4077
Units	ppm
Avg	.0208013
Stddev	.0002967
%RSD	1.426580

#1	.0205868
#2	.0211400
#3	.0206772

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5600.906	92551.51	7107.468	4429.651	7094.094
Stddev	14.260	322.86	30.072	24.965	22.296
%RSD	.2545960	.3488430	.4231078	.5635905	.3142925

#1	5585.575	92257.14	7087.409	4415.160	7073.119
#2	5613.773	92896.81	7142.045	4458.478	7117.510
#3	5603.369	92500.57	7092.951	4415.314	7091.652

Sample Name: ICSA01 Acquired: 10/21/2025 12:59:03 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074308	.0153864	-.003563	.0063739	-.001702	230.6471
Stddev	.0006532	.0036640	.001246	.0018735	.002961	.5292
%RSD	8.790128	23.81336	34.97161	29.39373	173.9370	.2294357

#1	.0073550	.0162451	-.004141	.0065812	.001276	231.1027
#2	.0068189	.0113692	-.002133	.0081351	-.001738	230.0666
#3	.0081186	.0185447	-.004414	.0044053	-.004645	230.7719

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002084	.0016766	.0014228	218.9252	.0436948	.0018651
Stddev	.0016883	.0000532	.0001491	.7922	.0002355	.0001019
%RSD	810.2101	3.172151	10.47825	.3618476	.5390507	5.465711

#1	-.000690	.0017259	.0012514	219.8350	.0435656	.0019533
#2	-.000841	.0016203	.0014948	218.3883	.0439666	.0017535
#3	.002156	.0016836	.0015223	218.5522	.0435521	.0018885

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0178074	91.44059	.0057005	231.4650	.0038040	-.002887
Stddev	.0001605	.28932	.0006748	.7593	.0002807	.000676
%RSD	.9013465	.3164005	11.83834	.3280427	7.379669	23.40810

#1	.0179755	91.76811	.0061685	232.3165	.0040480	-.002518
#2	.0177911	91.33385	.0060062	230.8583	.0038670	-.002476
#3	.0176557	91.21980	.0049269	231.2203	.0034972	-.003667

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0514709	.0035814	.0034432	.2514901	.0354631	-.000455
Stddev	.0081079	.0009966	.0000724	.0213638	.0010634	.000116
%RSD	15.75234	27.82798	2.101619	8.494872	2.998685	25.49649

#1	.0458119	.0043590	.0033737	.2276913	.0343555	-.000558
#2	.0607595	.0024579	.0035181	.2690131	.0364760	-.000476
#3	.0478413	.0039272	.0034378	.2577658	.0355578	-.000329

Sample Name: ICSA01 Acquired: 10/21/2025 12:59:03 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.014496	-.003795	-.000076	.0031529	.0007825	F .0738910
Stddev	.000959	.000816	.003485	.0003465	.0037682	.0014705
%RSD	6.616059	21.49837	4599.228	10.99055	481.5386	1.990038

#1	-.015369	-.003640	.000782	.0028825	.0037203	.0722291
#2	-.013470	-.004677	.002901	.0030327	.0020933	.0744202
#3	-.014649	-.003067	-.003910	.0035435	-.003466	.0750235

Elem	Sr4077
Units	ppm
Avg	.0044392
Stddev	.0005209
%RSD	11.73512

#1	.0049505
#2	.0044581
#3	.0039091

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5471.175	87479.13	7304.827	4240.012	5969.665
Stddev	9.331	142.44	30.228	13.111	14.215
%RSD	.1705531	.1628281	.4138036	.3092238	.2381273

#1	5466.774	87347.13	7270.635	4226.136	5958.820
#2	5464.859	87630.11	7315.852	4241.707	5964.418
#3	5481.893	87460.15	7327.995	4252.193	5985.759

Sample Name: ICSAB01 Acquired: 10/21/2025 13:03:15 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1033486	.1102201	.0457954	.0550946	.5781575	241.6358
Stddev	.0015365	.0099197	.0006371	.0035810	.0028149	.6100
%RSD	1.486698	8.999943	1.391226	6.499663	.4868709	.2524545

#1	.1030306	.1203007	.0454841	.0524594	.5803131	242.2448
#2	.1019960	.1098899	.0465283	.0536527	.5749729	241.0248
#3	.1050192	.1004695	.0453738	.0591718	.5791865	241.6378

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4714585	.4977050	.9738577	227.8420	.5355575	.4904860
Stddev	.0032949	.0056134	.0025981	.7899	.0016222	.0020549
%RSD	.6988690	1.127861	.2667801	.3466898	.3029032	.4189443

#1	.4702428	.5013564	.9754574	227.9638	.5337568	.4901362
#2	.4689443	.4912413	.9708600	226.9983	.5360111	.4886285
#3	.4751886	.5005173	.9752557	228.5640	.5369046	.4926934

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4786767	97.53143	.4686490	241.9801	.9729978	.2033112
Stddev	.0024073	.98062	.0049475	1.2341	.0036401	.0001965
%RSD	.5029022	1.005437	1.055689	.5099890	.3741101	.0966538

#1	.4804186	96.40189	.4677140	242.5796	.9740530	.2031282
#2	.4759297	98.02750	.4642358	240.5607	.9689467	.2032864
#3	.4796816	98.16489	.4739973	242.7998	.9759938	.2035189

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0957185	.4692826	1.020125	.2421139	.9433871	.9554289
Stddev	.0070639	.0027551	.004506	.0567925	.0065485	.0053076
%RSD	7.379876	.5870910	.4416659	23.45692	.6941468	.5555190

#1	.0992063	.4662378	1.015466	.1765480	.9477273	.9603582
#2	.1003601	.4700064	1.020450	.2760004	.9358546	.9498103
#3	.0875890	.4716035	1.024459	.2737932	.9465793	.9561183

Sample Name: ICSAB01 Acquired: 10/21/2025 13:03:15 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9547255	.9262747	.9781966	F .0054967	F .0094046	F .0817108
Stddev	.0046664	.0066073	.0079852	.0015913	.0020831	.0040816
%RSD	.4887656	.7133152	.8163175	28.94940	22.15011	4.995133
#1	.9600790	.9260671	.9851397	.0068920	.0070193	.0861489
#2	.9525781	.9197737	.9799794	.0037637	.0108657	.0781182
#3	.9515194	.9329833	.9694707	.0058345	.0103289	.0808654

Elem	Sr4077
Units	ppm
Avg	F .0014955
Stddev	.0009903
%RSD	66.21729
#1	.0023741
#2	.0004224
#3	.0016900

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5222.805	82065.39	7109.203	3907.715	5669.717
Stddev	23.321	304.96	63.858	26.807	18.454
%RSD	.4465280	.3716106	.8982438	.6859945	.3254795
#1	5214.895	82411.30	7072.646	3938.653	5665.669
#2	5249.052	81949.56	7182.939	3893.120	5689.858
#3	5204.467	81835.32	7072.025	3891.373	5653.623

Sample Name: ICSA01 Acquired: 10/21/2025 13:07:15 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000465	-.000469	.0007215	.0020080	-.000268	11.47551	-.002645
Stddev	.001799	.001086	.0009177	.0018314	.000330	.03043	.001097
%RSD	386.5640	231.6975	127.1960	91.20139	123.3235	.2652078	41.47028
#1	-.001495	-.001718	-.000252	.0021879	-.000069	11.50875	-.001568
#2	-.001513	.000237	.000845	.0037428	-.000085	11.46874	-.002606
#3	.001612	.000076	.001571	.0000934	-.000649	11.44903	-.003761
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001532	-.000022	11.28942	.0023462	.0000317	.0035054	4.521286
Stddev	.0000349	.000049	.04798	.0002689	.0000406	.0002965	.026238
%RSD	22.80122	220.1270	.4249883	11.46215	128.1274	8.456894	.5803233
#1	.0001421	-.000053	11.31797	.0020784	.0000583	.0037863	4.504203
#2	.0001923	.000034	11.31626	.0026163	.0000519	.0031955	4.508158
#3	.0001251	-.000048	11.23403	.0023437	-.000015	.0035345	4.551497
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000005	11.67764	.0002377	-.000126	-.048491	.0016329	.0019240
Stddev	.000400	.03362	.0002669	.000126	.021228	.0030100	.0003820
%RSD	7284.275	.2879376	112.2866	99.77478	43.77739	184.3353	19.85553
#1	.000304	11.71486	.0004663	-.000258	-.072021	-.000844	.0019324
#2	-.000457	11.66862	.0003022	-.000007	-.042675	.000759	.0015379
#3	.000137	11.64945	-.000056	-.000113	-.030777	.004983	.0023018
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.026314	-.015616	-.000394	-.012687	-.000911	-.009586	-.001073
Stddev	.028613	.000972	.000157	.000453	.002186	.007257	.000966
%RSD	108.7347	6.221366	39.84496	3.573453	239.9285	75.70851	90.04136
#1	.005957	-.014594	-.000574	-.012287	-.000907	-.014622	-.000072
#2	-.048582	-.016527	-.000286	-.013179	.001273	-.001267	-.001999
#3	-.036317	-.015726	-.000321	-.012595	-.003099	-.012868	-.001147

Sample Name: ICSA01 Acquired: 10/21/2025 13:07:15 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0038076	-.008214	.0002348
Stddev	.0008811	.003058	.0001195
%RSD	23.14045	37.22759	50.88473
#1	.0045720	-.009072	.0003522
#2	.0028439	-.010750	.0001134
#3	.0040069	-.004818	.0002387

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5872.355	95736.81	7616.183	4523.820	7209.072
Stddev	3.066	196.47	32.149	4.029	5.650
%RSD	.0522134	.2052188	.4221123	.0890542	.0783688
#1	5868.815	95914.48	7595.587	4519.168	7203.229
#2	5874.106	95770.13	7599.733	4526.186	7209.482
#3	5874.145	95525.81	7653.228	4526.105	7214.506

Sample Name: ICSAB01 Acquired: 10/21/2025 13:11:31 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060364	.0077472	.0016534	.0024465	.0274670	11.64982	.0226345
Stddev	.0011859	.0028102	.0003270	.0024716	.0013418	.08398	.0000477
%RSD	19.64524	36.27438	19.77640	101.0233	4.885223	.7209030	.2107357
#1	.0055015	.0052970	.0016035	.0033579	.0283914	11.55301	.0225857
#2	.0073955	.0071298	.0020025	.0043330	.0259280	11.69329	.0226810
#3	.0052123	.0108148	.0013543	-.000351	.0280817	11.70316	.0226368
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0246664	.0450207	11.45782	.0263510	.0226473	.0250251	4.541858
Stddev	.0003224	.0000673	.10085	.0002574	.0000481	.0005611	.031440
%RSD	1.307219	.1494705	.8802170	.9768655	.2123082	2.241999	.6922222
#1	.0243347	.0450737	11.34262	.0264403	.0226002	.0252706	4.575913
#2	.0249787	.0449450	11.50067	.0260608	.0226963	.0243831	4.513939
#3	.0246857	.0450435	11.53018	.0265518	.0226453	.0254215	4.535720
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0241452	11.86471	.0456800	.0092509	-.056402	.0220981	.0488915
Stddev	.0003667	.08990	.0001232	.0007378	.010807	.0013597	.0001113
%RSD	1.518612	.7577333	.2696422	7.975126	19.16062	6.152895	.2275566
#1	.0242743	11.78369	.0457667	.0097187	-.068408	.0235345	.0490198
#2	.0244298	11.84901	.0455390	.0084004	-.047453	.0219288	.0488221
#3	.0237314	11.96143	.0457343	.0096335	-.053344	.0208310	.0488326
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.035343	.0336393	.0511662	.0367559	.0496422	.0209582	-.000102
Stddev	.031262	.0009050	.0001052	.0003476	.0017507	.0137494	.000520
%RSD	88.45293	2.690328	.2055920	.9457744	3.526670	65.60386	511.4739
#1	-.066791	.0330971	.0512497	.0370753	.0511095	.0055882	-.000036
#2	-.034967	.0346841	.0510481	.0363857	.0501129	.0251983	.000382
#3	-.004271	.0331367	.0512009	.0368068	.0477043	.0320881	-.000652

Sample Name: ICSAB01 Acquired: 10/21/2025 13:11:31 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0043203	-.005156	.0003020
Stddev	.0013908	.003080	.0000458
%RSD	32.19161	59.73951	15.14621

#1	.0056428	-.004675	.0002785
#2	.0028700	-.008449	.0002728
#3	.0044481	-.002345	.0003547

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5706.886	93373.76	7302.620	4457.593	6985.546
Stddev	12.388	254.70	93.316	16.787	17.197
%RSD	.2170776	.2727778	1.277840	.3765826	.2461865

#1	5699.158	93162.27	7405.640	4438.475	6972.258
#2	5721.175	93656.51	7223.761	4464.383	7004.970
#3	5700.324	93302.51	7278.458	4469.921	6979.410

Sample Name: CCV01 Acquired: 10/21/2025 13:45:39 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	4.822491	5.227069	4.795726	4.824523	4.831624	9.781940	9.659796
Stddev	.021654	.150844	.022783	.004958	.018277	.037262	.060514
%RSD	.4490278	2.885821	.4750704	.1027599	.3782774	.3809296	.6264478
#1	4.819115	5.394757	4.786046	4.824186	4.815403	9.788115	9.701645
#2	4.802723	5.184021	4.779381	4.819743	4.828043	9.815729	9.687331
#3	4.845635	5.102429	4.821751	4.829641	4.851427	9.741976	9.590411
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2420607	2.422163	24.23300	.9762486	2.410188	1.223560	4.747322
Stddev	.0014584	.006998	.10787	.0024210	.008663	.004011	.033745
%RSD	.6024794	.2889050	.4451400	.2479923	.3594123	.3278161	.7108162
#1	.2437103	2.420004	24.33706	.9752642	2.406919	1.220588	4.708466
#2	.2415291	2.416499	24.24027	.9744749	2.403636	1.221969	4.769276
#3	.2409428	2.429986	24.12168	.9790068	2.420009	1.228122	4.764224
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.407138	24.28133	2.413848	1.201943	23.87266	2.428151	2.425732
Stddev	.012778	.04937	.008615	.002172	.05796	.008857	.006251
%RSD	.5308219	.2033411	.3568996	.1807438	.2427772	.3647475	.2576956
#1	2.409302	24.33145	2.410464	1.199492	23.87757	2.422327	2.419566
#2	2.418695	24.27979	2.407440	1.202709	23.92800	2.438343	2.425567
#3	2.393416	24.23274	2.423642	1.203629	23.81240	2.423784	2.432065
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.76980	4.829537	4.932925	4.814095	4.839600	4.874925	4.814313
Stddev	.14594	.018181	.009188	.021137	.014303	.051726	.004944
%RSD	.6139588	.3764592	.1862503	.4390591	.2955439	1.061056	.1027018
#1	23.61712	4.848704	4.931923	4.815282	4.845493	4.815885	4.817131
#2	23.90790	4.827373	4.924279	4.792389	4.850015	4.912267	4.808604
#3	23.78438	4.812535	4.942572	4.834612	4.823292	4.896625	4.817204

Sample Name: CCV01 Acquired: 10/21/2025 13:45:39 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.704946	4.804899	4.752184
Stddev	.028391	.049507	.063522
%RSD	.6034328	1.030347	1.336691
#1	4.734629	4.838847	4.807814
#2	4.678053	4.827758	4.765768
#3	4.702155	4.748093	4.682968

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5543.212	90941.06	7138.558	4298.952	6421.995
Stddev	8.138	267.73	52.246	6.068	16.939
%RSD	.1468127	.2943963	.7318797	.1411486	.2637725
#1	5544.133	90739.19	7078.851	4304.404	6417.179
#2	5550.850	91244.76	7160.934	4300.039	6440.821
#3	5534.653	90839.23	7175.889	4292.415	6407.985

Sample Name: CCB01 Acquired: 10/21/2025 13:54:01 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	-.000732	-.000332	.0000346	.0014506	.0013324	.0083114	.0009341
Stddev	.000378	.000884	.0008174	.0027018	.0010432	.0139751	.0010716
%RSD	51.66679	266.2167	2359.519	186.2514	78.29003	168.1440	114.7201
#1	-.000504	-.000826	.0002478	-.001606	.0001471	-.007601	.0002488
#2	-.000522	-.000859	.0007244	.002439	.0021106	.013941	.0003846
#3	-.001168	.000689	-.000868	.003519	.0017396	.018593	.0021691
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000010	-.000060	.0083190	.0001150	-.000188	.0000655	-.003188
Stddev	.000036	.000027	.0066308	.0002700	.000079	.0001801	.005020
%RSD	360.2314	44.51557	79.70683	234.7630	41.89207	274.9986	157.4543
#1	-.000036	-.000085	.0107190	.0004220	-.000098	.0000821	-.006467
#2	-.000024	-.000032	.0008224	-.000086	-.000222	.0002367	-.005687
#3	.000031	-.000062	.0134156	.000009	-.000244	-.000122	.002591
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000302	-.006251	-.000262	-.000045	-.091017	.0000467	.0000128
Stddev	.000284	.015740	.000170	.000069	.016243	.0036068	.0001479
%RSD	93.83561	251.7895	64.78559	153.7759	17.84623	7729.965	1154.150
#1	-.000045	.001051	-.000300	-.000010	-.073808	-.000688	.0001498
#2	-.000607	.004512	-.000409	-.000000	-.093162	-.003137	-.000144
#3	-.000255	-.024316	-.000076	-.000125	-.106081	.003964	.000033
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.112671	-.011685	-.000293	-.011503	-.000151	-.003860	-.000334
Stddev	.026180	.001221	.000093	.000054	.002975	.009298	.000448
%RSD	23.23551	10.44769	31.69981	.4682056	1976.819	240.8640	134.1198
#1	-.106067	-.012907	-.000386	-.011563	.001842	.004438	-.000752
#2	-.141520	-.011683	-.000200	-.011460	.001277	-.013909	.000139
#3	-.090425	-.010465	-.000292	-.011485	-.003570	-.002109	-.000389

Sample Name: CCB01 Acquired: 10/21/2025 13:54:01 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0049078	-.004902	.0000600
Stddev	.0018266	.002458	.0000698
%RSD	37.21883	50.14097	116.2913
#1	.0066397	-.002626	.0001406
#2	.0029993	-.004571	.0000187
#3	.0050844	-.007508	.0000207

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5664.002	93319.68	7041.265	4455.728	7326.882
Stddev	.620	211.23	42.553	10.211	6.421
%RSD	.0109493	.2263496	.6043384	.2291633	.0876348
#1	5664.686	93076.62	7088.086	4455.629	7319.651
#2	5663.477	93423.57	7030.762	4445.566	7329.081
#3	5663.843	93458.83	7004.947	4465.987	7331.915

Sample Name: LR-1 Acquired: 10/21/2025 13:57:53 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051930	.0158169	-.003180	-.013955	.0260306	.4910741	.0206954
Stddev	.0049620	.0039238	.003336	.007345	.0045680	.0161258	.0010566
%RSD	95.55181	24.80763	104.8962	52.63362	17.54856	3.283773	5.105732
#1	.0105664	.0129867	-.006992	-.006612	.0300055	.4777000	.0215894
#2	.0042285	.0141679	-.001755	-.013952	.0210404	.4865411	.0195294
#3	.0007841	.0202961	-.000793	-.021302	.0270458	.5089813	.0209675
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009636	.0012373	2194.718	.0577044	.0069947	.0109616	.9198065
Stddev	.0000809	.0000714	16.093	.0003767	.0002710	.0005716	.0102504
%RSD	8.389966	5.766264	.7332542	.6527267	3.874489	5.214928	1.114406
#1	.0010304	.0012319	2212.163	.0575200	.0068027	.0105229	.9081016
#2	.0009868	.0011688	2191.540	.0574554	.0073047	.0107539	.9241372
#3	.0008737	.0013112	2180.451	.0581377	.0068768	.0116080	.9271808
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0303397	2247.183	.0431992	.0031713	2355.182	.0084399	.0825493
Stddev	.0007786	5.361	.0003216	.0002547	21.176	.0038310	.0003397
%RSD	2.566174	.2385840	.7445061	8.031272	.8991257	45.39138	.4115572
#1	.0312181	2246.866	.0435046	.0032377	2338.429	.0044740	.0828447
#2	.0300661	2241.987	.0428635	.0033862	2348.133	.0121200	.0826252
#3	.0297348	2252.696	.0432295	.0028900	2378.983	.0087256	.0821781
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.189719	-.004984	.0112235	-.028789	-.092065	-.036340	.0155190
Stddev	.306404	.000042	.0004764	.001318	.005473	.008236	.0039058
%RSD	9.605983	.8419495	4.244298	4.578373	5.944386	22.66416	25.16768
#1	2.848227	-.005031	.0108410	-.027696	-.087128	-.036104	.0166958
#2	3.280339	-.004969	.0110725	-.028418	-.091116	-.044692	.0187011
#3	3.440593	-.004952	.0117571	-.030253	-.097950	-.028225	.0111601

Sample Name: LR-1 Acquired: 10/21/2025 13:57:53 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2490148	.9843569	.0591179
Stddev	.0066813	.0217765	.0003365
%RSD	2.683076	2.212252	.5692263

#1	.2442565	.9655955	.0589187
#2	.2461349	.9792385	.0589286
#3	.2566531	1.008237	.0595064

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3682.655	62012.04	6168.270	2911.225	3883.841
Stddev	34.143	82.07	33.048	13.600	32.576
%RSD	.9271203	.1323394	.5357715	.4671719	.8387611

#1	3714.220	61967.00	6148.702	2897.360	3913.191
#2	3687.327	62106.77	6206.426	2911.772	3889.541
#3	3646.416	61962.36	6149.683	2924.544	3848.791

Sample Name: LR-2 Acquired: 10/21/2025 14:02:22 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1148138	-.048526	.0692306	.0452964	-.152772	1916.001	.0230828
Stddev	.0038303	.011932	.0057678	.0067645	.003987	6.126	.0009503
%RSD	3.336076	24.58794	8.331300	14.93379	2.610043	.3197102	4.117154

#1	.1191852	-.035583	.0731375	.0496221	-.149727	1916.718	.0221127
#2	.1132106	-.050909	.0626060	.0487660	-.157286	1921.736	.0240121
#3	.1120457	-.059087	.0719484	.0375011	-.151305	1909.548	.0231235

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0442066	.0387003	6.062658	-.284708	.0777439	.3987937	2530.271
Stddev	.0004373	.0021540	.165226	.000925	.0002544	.0051695	8.722
%RSD	.9891577	5.565745	2.725300	.3249382	.3272212	1.296290	.3447086

#1	.0447089	.0387943	6.236839	-.283809	.0776818	.4039586	2520.777
#2	.0440000	.0365009	6.042986	-.284659	.0780236	.3988029	2532.107
#3	.0439110	.0408057	5.908149	-.285658	.0775263	.3936196	2537.928

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.252676	1.079826	.0500173	^ *****	3.287825	.0656327	.0614071
Stddev	.000625	.042509	.0008652	-----	.027124	.0010564	.0020721
%RSD	.2473370	3.936641	1.729739	-----	.8249717	1.609502	3.374402

#1	-.252021	1.073067	.0490208	^ -----	3.318138	.0644452	.0637067
#2	-.253267	1.125310	.0505763	^ -----	3.265846	.0664679	.0608297
#3	-.252739	1.041102	.0504549	^ -----	3.279492	.0659850	.0596849

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1826.835	^ *****	-.017275	.0009102	.0038311	.4482043	.0879342
Stddev	13.620	-----	.000357	.0031216	.0006174	.0096726	.0048259
%RSD	.7455712	-----	2.064916	342.9535	16.11476	2.158090	5.488079

#1	1839.780	^ -----	-.016955	-.002440	.0033215	.4374022	.0909716
#2	1812.627	^ -----	-.017659	.003737	.0045176	.4511463	.0823695
#3	1828.099	^ -----	-.017210	.001433	.0036543	.4560643	.0904614

Sample Name: LR-2 Acquired: 10/21/2025 14:02:22 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.391503	.2716969	-2.42571
Stddev	.009280	.0036046	.00837
%RSD	2.370362	1.326689	.3449513
#1	-.398068	.2702641	-2.41658
#2	-.380886	.2690290	-2.42751
#3	-.395554	.2757976	-2.43302

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4837.232	75890.78	6728.821	3711.626	4294.166
Stddev	5.076	284.32	41.006	34.578	6.347
%RSD	.1049380	.3746481	.6094121	.9316060	.1478147
#1	4840.887	75568.21	6681.542	3679.631	4287.311
#2	4839.374	75999.14	6754.707	3706.937	4299.840
#3	4831.436	76104.99	6750.215	3748.308	4295.346

Sample Name: PB170187BL Acquired: 10/21/2025 14:11:44 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008509	.0002390	.0014827	-.000365	-.000444	.0137354	-.002143
Stddev	.0010454	.0005508	.0006534	.001582	.001420	.0086190	.001628
%RSD	122.8491	230.4243	44.06358	433.6896	319.9632	62.75038	75.98183
#1	.0014066	.0000464	.0022249	-.001627	.000984	.0133206	-.002646
#2	-.000355	.0008603	.0012288	.001410	-.001857	.0225544	-.000322
#3	.001501	-.000190	.0009945	-.000878	-.000459	.0053313	-.003460
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000570	-.000059	.0102053	.0001363	-.000066	.0000723	.0192003
Stddev	.0000169	.000063	.0136175	.0002164	.000042	.0002367	.0062832
%RSD	29.62683	107.9869	133.4356	158.7837	63.75759	327.5427	32.72441
#1	.0000756	-.000107	.0096771	.0003711	-.000093	-.000187	.0232390
#2	.0000428	.000013	.0240792	-.000055	-.000087	.000127	.0119613
#3	.0000525	-.000082	-.003140	.000093	-.000017	.000277	.0224007
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002086	-.021295	.0000242	-.000072	.1841160	-.001728	.0007670
Stddev	.0003496	.001626	.0001075	.000681	.0144060	.001521	.0003054
%RSD	167.6169	7.635270	444.9149	951.3651	7.824416	88.00757	39.81415
#1	.0000578	-.019511	-.000078	.000164	.1691327	-.001556	.0009716
#2	-.000040	-.022694	.000014	.000460	.1853501	-.000301	.0009133
#3	.000608	-.021680	.000136	-.000839	.1978653	-.003328	.0004160
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5598152	-.021237	-.000334	-.004943	-.000474	-.025467	-.000821
Stddev	.0529238	.000535	.000168	.000445	.000465	.011072	.001275
%RSD	9.453791	2.518775	50.40106	8.993392	98.19738	43.47805	155.2899
#1	.5122111	-.021832	-.000528	-.005436	-.001011	-.028409	-.001717
#2	.5504310	-.020796	-.000255	-.004820	-.000203	-.034770	-.001384
#3	.6168033	-.021084	-.000220	-.004573	-.000207	-.013220	.000638

Sample Name: PB170187BL Acquired: 10/21/2025 14:11:44 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0020103	-.000364	-.000095
Stddev	.0014885	.003260	.000061
%RSD	74.04469	896.0162	64.81437

#1	.0003899	-.004067	-.000026
#2	.0023240	.002070	-.000115
#3	.0033169	.000905	-.000143

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5716.353	94368.22	7436.369	4405.648	7409.406
Stddev	8.346	89.56	9.493	14.871	10.011
%RSD	.1460057	.0949023	.1276536	.3375476	.1351100

#1	5724.597	94449.62	7427.707	4388.983	7420.294
#2	5707.908	94382.76	7446.517	4410.394	7400.599
#3	5716.553	94272.28	7434.882	4417.566	7407.324

Sample Name: PB170187BS Acquired: 10/21/2025 14:16:03 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7694021	1.964099	.9182276	1.964357	.8009881	1.964232
Stddev	.0027006	.065619	.0002182	.004999	.0011762	.006929
%RSD	.3510056	3.340911	.0237655	.2544811	.1468444	.3527369

#1	.7708104	1.965789	.9182120	1.965947	.7996545	1.968399
#2	.7662884	2.028856	.9180176	1.968367	.8018773	1.968062
#3	.7711075	1.897651	.9184532	1.958756	.8014326	1.956234

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1921441	.1963798	.1819600	.9877741	.3887697	.1879171
Stddev	.0015842	.0011822	.0002017	.0058647	.0005844	.0002344
%RSD	.8244854	.6019824	.1108230	.5937259	.1503226	.1247260

#1	.1937879	.1962896	.1821927	.9905322	.3894290	.1881841
#2	.1906272	.1952453	.1818370	.9917512	.3883153	.1878218
#3	.1920172	.1976045	.1818502	.9810388	.3885650	.1877454

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3040813	2.971001	.1985864	1.920374	.4722489	.0706932
Stddev	.0007365	.014419	.0017109	.015959	.0001677	.0002582
%RSD	.2422043	.4853384	.8615521	.8310379	.0355034	.3652088

#1	.3033698	2.963221	.1985628	1.919440	.4722476	.0704115
#2	.3040337	2.987639	.1968874	1.904902	.4724172	.0707494
#3	.3048405	2.962142	.2003090	1.936779	.4720818	.0709186

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.001860	.2900945	.2079155	9.824607	.2701450	.3980168
Stddev	.027780	.0026945	.0001192	.029458	.0023795	.0008368
%RSD	.9254300	.9288411	.0573392	.2998380	.8808031	.2102446

#1	3.020628	.2892257	.2080315	9.846557	.2688121	.3982251
#2	3.015006	.2879416	.2079215	9.836137	.2687307	.3987298
#3	2.969947	.2931162	.2077933	9.791129	.2728921	.3970955

Sample Name: PB170187BS Acquired: 10/21/2025 14:16:03 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6418134	.1912884	.8435538	5.382448	F .0041768	.1826968
Stddev	.0025572	.0018190	.0101645	.012582	.0008326	.0052269
%RSD	.3984393	.9509247	1.204958	.2337558	19.93287	2.860985

#1	.6443091	.1893590	.8544804	5.385905	.0042556	.1767541
#2	.6391987	.1929720	.8418017	5.368499	.0033076	.1847552
#3	.6419324	.1915341	.8343793	5.392940	.0049671	.1865812

Elem	Sr4077
Units	ppm
Avg	.1917900
Stddev	.0005915
%RSD	.3084332

#1	.1920059
#2	.1911208
#3	.1922432

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5745.359	95112.88	7475.295	4491.977	7143.405
Stddev	4.184	256.89	54.030	10.546	6.578
%RSD	.0728159	.2700860	.7227842	.2347638	.0920833

#1	5745.909	94833.97	7473.424	4480.621	7136.541
#2	5749.241	95339.79	7530.237	4493.849	7149.654
#3	5740.928	95164.88	7422.225	4501.462	7144.019

Sample Name: PB170183BL Acquired: 10/21/2025 14:25:39 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000275	-.000465	.0001895	-.001641	-.000538	.0246144
Stddev	.001005	.001344	.0002644	.000367	.001268	.0013422
%RSD	365.0179	289.2998	139.5027	22.38382	235.5786	5.452897

#1	-.001177	-.002013	-.000012	-.001936	-.001915	.0261022
#2	-.000456	.000390	.000489	-.001756	-.000283	.0234947
#3	.000808	.000230	.000092	-.001230	.000583	.0242463

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002864	.0000568	-.000065	.0168955	.0000063	-.000207
Stddev	.000506	.0000164	.000067	.0108916	.0001501	.000075
%RSD	17.66829	28.87601	103.8524	64.46434	2386.746	36.53663

#1	-.003191	.0000412	-.000135	.0058952	.0000883	-.000160
#2	-.003119	.0000553	-.000001	.0276750	.0000975	-.000294
#3	-.002281	.0000739	-.000058	.0171164	-.000167	-.000166

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001160	.0139917	-.000211	-.007762	.0000334	-.000087
Stddev	.0002000	.0077553	.000510	.014480	.0002802	.000225
%RSD	172.3753	55.42775	241.9313	186.5516	838.3055	257.4383

#1	.0003469	.0064985	-.000657	.005363	.0000260	-.000295
#2	.0000016	.0134918	-.000321	-.023294	-.000243	-.000119
#3	-.000000	.0219850	.000346	-.005353	.000317	.000152

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063540	-.000951	.0001360	.2153448	-.022260	-.000503
Stddev	.0174358	.001107	.0000798	.0438962	.000614	.000286
%RSD	274.4045	116.4120	58.66649	20.38412	2.760070	56.85546

#1	.0032007	.000272	.0001601	.1743605	-.021968	-.000832
#2	-.009290	-.001885	.0002011	.2100088	-.021847	-.000322
#3	.025151	-.001241	.0000470	.2616650	-.022966	-.000354

Sample Name: PB170183BL Acquired: 10/21/2025 14:25:39 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015654	-.000243	-.016577	.0006112	.0096508	F -.010189
Stddev	.0002090	.001643	.007082	.0006574	.0025070	.006433
%RSD	13.34905	675.6489	42.71840	107.5593	25.97726	63.13146

#1	.0016610	.000831	-.023318	-.000120	.0123390	-.016050
#2	.0013257	.000574	-.017216	.001153	.0092368	-.003307
#3	.0017094	-.002135	-.009198	.000800	.0073766	-.011211

Elem	Sr4077
Units	ppm
Avg	-.000028
Stddev	.000077
%RSD	271.8859

#1	-.000111
#2	.000040
#3	-.000014

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5719.166	94674.80	7402.775	4424.378	7408.759
Stddev	15.388	265.14	39.661	11.503	18.763
%RSD	.2690688	.2800575	.5357528	.2599947	.2532518

#1	5701.879	94493.24	7362.219	4419.195	7387.665
#2	5731.370	94552.10	7441.475	4416.378	7415.029
#3	5724.248	94979.07	7404.633	4437.561	7423.585

Sample Name: PB170183BS Acquired: 10/21/2025 14:29:57 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7815455	2.015385	.9281044	2.002633	.8134290	1.973291
Stddev	.0022703	.082026	.0011939	.013859	.0043404	.005534
%RSD	.2904917	4.069982	.1286345	.6920356	.5335932	.2804531
#1	.7789333	2.092111	.9270986	2.013618	.8100575	1.974360
#2	.7826605	1.928928	.9294237	1.987062	.8119032	1.978213
#3	.7830427	2.025116	.9277909	2.007218	.8183263	1.967300
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1859195	.2006547	.1844407	.9916475	.3949434	.1899139
Stddev	.0013725	.0002955	.0002920	.0165431	.0010963	.0003817
%RSD	.7382381	.1472641	.1582945	1.668241	.2775858	.2009694
#1	.1874745	.2003287	.1841880	.9732573	.3936855	.1896852
#2	.1848766	.2009050	.1843736	.9963679	.3954493	.1897021
#3	.1854075	.2007304	.1847603	1.005317	.3956954	.1903545
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3079369	3.058116	.1941188	1.908623	.4763679	.0744148
Stddev	.0002354	.011167	.0016791	.009431	.0016562	.0001424
%RSD	.0764383	.3651715	.8650033	.4941158	.3476748	.1913585
#1	.3076728	3.064035	.1933500	1.914154	.4747574	.0745372
#2	.3081247	3.045235	.1929617	1.897734	.4762798	.0744487
#3	.3080131	3.065078	.1960447	1.913981	.4780663	.0742586
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.883463	.2909375	.2161136	9.919614	.2789922	.4046064
Stddev	.008147	.0010193	.0007611	.084964	.0009661	.0010033
%RSD	.2825575	.3503390	.3521911	.8565242	.3462827	.2479673
#1	2.892790	.2915504	.2167323	9.941027	.2778835	.4039345
#2	2.879860	.2915012	.2152637	9.825993	.2794396	.4041249
#3	2.877737	.2897609	.2163450	9.991824	.2796535	.4057596

Sample Name: PB170183BS Acquired: 10/21/2025 14:29:57 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6479224	.1878552	.8690414	5.333735	F .0051624	.1666953
Stddev	.0020116	.0007871	.0138695	.006198	.0012601	.0026340
%RSD	.3104613	.4189930	1.595957	.1162044	24.40897	1.580148

#1	.6482189	.1871647	.8779559	5.329232	.0065464	.1693905
#2	.6457790	.1887123	.8530619	5.340804	.0040817	.1665684
#3	.6497692	.1876886	.8761064	5.331169	.0048590	.1641271

Elem	Sr4077
Units	ppm
Avg	.1892547
Stddev	.0009048
%RSD	.4781003

#1	.1896045
#2	.1882272
#3	.1899324

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5741.700	92692.70	7586.860	4300.396	7160.832
Stddev	8.374	270.99	18.918	12.439	13.191
%RSD	.1458396	.2923568	.2493492	.2892452	.1842113

#1	5751.369	92390.98	7607.018	4292.566	7176.061
#2	5736.939	92771.72	7569.493	4293.883	7152.966
#3	5736.792	92915.40	7584.068	4314.739	7153.469

Sample Name: LR-3 Acquired: 10/21/2025 14:33:58 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0904995	.0365043	224.2780	.0084994	.1331988	.0723744	-.002561
Stddev	.0024551	.0031807	1.6449	.0025433	.0059746	.0075755	.000554
%RSD	2.712861	8.713093	.7334247	29.92329	4.485497	10.46708	21.63038

#1	.0931723	.0386432	223.3096	.0108952	.1264153	.0762378	-.003096
#2	.0899814	.0328492	223.3473	.0087724	.1355020	.0636461	-.001990
#3	.0883448	.0380205	226.1773	.0058306	.1376790	.0772392	-.002597

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005854	-.000968	.4603277	23.59961	.0059078	52.80641	.1238098
Stddev	.000075	.000074	.0083550	.13447	.0001537	.16321	.0007585
%RSD	1.288641	7.686595	1.815023	.5697868	2.601663	.3090699	.6126114

#1	-.005771	-.001050	.4684241	23.75173	.0060848	52.72031	.1231114
#2	-.005872	-.000948	.4608229	23.49662	.0058305	52.70428	.1237012
#3	-.005919	-.000905	.4517360	23.55047	.0058082	52.99464	.1246166

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	52.41660	-.008672	23.35425	.0026848	1.134179	-.026037	29.46047
Stddev	.81852	.016522	.07735	.0002011	.026884	.002962	.57987
%RSD	1.561557	190.5293	.3311839	7.491189	2.370355	11.37711	1.968286

#1	53.21494	-.027366	23.32627	.0028880	1.162958	-.029426	30.02040
#2	52.45556	.003973	23.29479	.0024859	1.109710	-.023941	29.49848
#3	51.57930	-.002622	23.44170	.0026805	1.129869	-.024744	28.86254

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2086514	-.020033	-.016058	-.018317	-.041671	-.145259	.2018029
Stddev	.0221932	.000714	.000433	.000208	.000948	.001555	.0021470
%RSD	10.63652	3.565609	2.699190	1.133561	2.274966	1.070817	1.063917

#1	.2322558	-.020724	-.015561	-.018525	-.042535	-.143594	.2015579
#2	.2054900	-.020078	-.016360	-.018109	-.041821	-.146675	.1997890
#3	.1882084	-.019297	-.016252	-.018317	-.040657	-.145507	.2040620

Sample Name: LR-3 Acquired: 10/21/2025 14:33:58 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0681896	-.011115	.0005217
Stddev	.0045907	.006643	.0000906
%RSD	6.732230	59.76373	17.37012
#1	.0659133	-.009956	.0005153
#2	.0651819	-.005128	.0006153
#3	.0734736	-.018261	.0004344

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5184.642	93377.36	7402.571	4198.892	6860.668
Stddev	18.307	514.18	44.095	23.769	25.645
%RSD	.3531094	.5506524	.5956647	.5660690	.3737907
#1	5204.080	92810.78	7453.477	4171.541	6886.004
#2	5182.121	93814.36	7376.214	4210.594	6861.272
#3	5167.726	93506.95	7378.023	4214.540	6834.726

Sample Name: Q3381-02 Acquired: 10/21/2025 14:39:10 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001348	-.004823	.0043211	.0038992	.0016998	.1445932	.1335706
Stddev	.000858	.002470	.0007620	.0032924	.0010153	.0031257	.0010783
%RSD	63.64908	51.21594	17.63366	84.43913	59.72721	2.161692	.8072789

#1	-.000840	-.004146	.0034414	.0047696	.0012921	.1409844	.1347472
#2	-.002338	-.002762	.0047489	.0002590	.0009518	.1463511	.1326296
#3	-.000865	-.007561	.0047731	.0066690	.0028556	.1464442	.1333350

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002051	.0004716	6.495710	.0012467	.0006059	.0056527	.0294426
Stddev	.0000114	.0000373	.037279	.0002612	.0001340	.0002897	.0005893
%RSD	5.560401	7.913495	.5739086	20.95058	22.11777	5.125786	2.001661

#1	.0002176	.0005121	6.526774	.0009824	.0005939	.0055309	.0291867
#2	.0002025	.0004639	6.454370	.0012531	.0007455	.0059834	.0301166
#3	.0001952	.0004387	6.505985	.0015046	.0004783	.0054436	.0290244

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0836807	1.960293	.0034115	-.000252	262.7123	-.002537	.1972758
Stddev	.0005497	.023538	.0001233	.000303	4.9473	.000603	.0008729
%RSD	.6568424	1.200760	3.613131	120.1485	1.883179	23.78225	.4424859

#1	.0842848	1.964678	.0035351	-.000585	267.8500	-.003175	.1963658
#2	.0832101	1.934870	.0034109	.000010	262.3066	-.002461	.1981062
#3	.0835471	1.981331	.0032886	-.000182	257.9803	-.001976	.1973553

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4597151	-.017005	.0001998	-.038517	-.000172	.2320370	.0120082
Stddev	.0363351	.000475	.0001590	.000091	.002082	.0080397	.0016427
%RSD	7.903830	2.791544	79.60628	.2367719	1214.050	3.464840	13.67951

#1	.5016389	-.017488	.0003123	-.038618	-.001893	.2269972	.0101741
#2	.4373254	-.016988	.0000178	-.038440	-.000764	.2413087	.0125068
#3	.4401811	-.016539	.0002692	-.038494	.002143	.2278050	.0133439

Sample Name: Q3381-02 Acquired: 10/21/2025 14:39:10 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4248674	-.017213	.0425811
Stddev	.0039897	.000647	.0000789
%RSD	.9390470	3.757558	.1852072

#1	.4227181	-.017690	.0426585
#2	.4224132	-.016477	.0425009
#3	.4294710	-.017471	.0425841

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5498.669	90640.51	7504.156	4333.311	6468.759
Stddev	20.165	301.98	49.888	17.554	27.869
%RSD	.3667338	.3331603	.6648059	.4050901	.4308302

#1	5477.351	90363.44	7480.309	4347.162	6441.664
#2	5501.214	90962.39	7561.492	4313.569	6467.268
#3	5517.441	90595.69	7470.666	4339.201	6497.343

Sample Name: Q3381-04 Acquired: 10/21/2025 14:43:34 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001671	-.004692	.0031271	.0037684	.0010131	.1218589	.2097982
Stddev	.001958	.001984	.0022574	.0008867	.0018253	.0124984	.0005420
%RSD	117.1772	42.28025	72.18707	23.52999	180.1686	10.25643	.2583241

#1	-.000326	-.005044	.0055580	.0044312	.0030019	.1114543	.2095599
#2	-.000770	-.002555	.0010970	.0027612	.0006232	.1357225	.2104185
#3	-.003918	-.006476	.0027263	.0041129	-.000586	.1184000	.2094163

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000227	.0004293	14.58255	.0012493	.0003676	.0039504	.0435989
Stddev	.0000595	.0001030	.07019	.0004202	.0000369	.0001964	.0005508
%RSD	261.8089	23.99426	.4813260	33.63589	10.03003	4.970497	1.263424

#1	-.000030	.0005283	14.50211	.0010354	.0003906	.0041732	.0432119
#2	.000087	.0003227	14.61415	.0009791	.0003250	.0038754	.0442296
#3	.000011	.0004370	14.63138	.0017334	.0003870	.0038026	.0433554

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1404154	2.276113	.0014886	.0000600	349.9033	-.001796	.0736524
Stddev	.0010745	.020171	.0003010	.0004211	5.7564	.004184	.0006244
%RSD	.7652294	.8862006	20.21727	701.3863	1.645141	232.9097	.8477919

#1	.1391999	2.273316	.0014638	.0005417	356.5358	-.003291	.0730038
#2	.1412385	2.297536	.0018012	-.000123	346.2092	-.005028	.0742495
#3	.1408080	2.257486	.0012009	-.000238	346.9648	.002930	.0737040

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4389920	-.015301	.0001954	-.038352	.0012977	.6854866	.0220777
Stddev	.0654408	.000595	.0003277	.000688	.0017341	.0191841	.0012775
%RSD	14.90705	3.886455	167.7273	1.794339	133.6262	2.798612	5.786622

#1	.5082005	-.015787	.0001576	-.038533	.0017950	.6724856	.0210081
#2	.4306583	-.014638	.0005402	-.038931	-.000631	.6764546	.0217326
#3	.3781173	-.015479	-.000112	-.037591	.002729	.7075197	.0234923

Sample Name: Q3381-04 Acquired: 10/21/2025 14:43:34 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2136526	-.007060	.0942362
Stddev	.0008338	.003229	.0005418
%RSD	.3902533	45.74370	.5748917

#1	.2126916	-.003906	.0936192
#2	.2140835	-.010360	.0946340
#3	.2141828	-.006914	.0944553

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5392.768	89428.73	7444.043	4248.726	6348.712
Stddev	3.931	98.89	41.022	24.331	11.867
%RSD	.0728854	.1105769	.5510752	.5726683	.1869250

#1	5392.025	89360.83	7452.461	4274.134	6338.233
#2	5397.017	89383.17	7399.464	4225.638	6361.598
#3	5389.262	89542.18	7480.203	4246.407	6346.304

Sample Name: Q3381-06 Acquired: 10/21/2025 14:47:59 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003018	-.004520	.0046494	.0060656	.0028396	.2430956	.1953506
Stddev	.001222	.003591	.0016892	.0019273	.0010298	.0167872	.0040501
%RSD	40.50849	79.44274	36.33233	31.77439	36.26431	6.905580	2.073275

#1	-.002251	-.002493	.0052651	.0059562	.0019949	.2581330	.1921605
#2	-.004428	-.008666	.0027387	.0041953	.0025372	.2249837	.1939841
#3	-.002375	-.002401	.0059445	.0080452	.0039867	.2461702	.1999073

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000953	.0002748	11.96038	.0008127	.0067430	.0049058	.1240708
Stddev	.0000253	.0000703	.21262	.0002201	.0000314	.0003263	.0089683
%RSD	26.52775	25.57596	1.777737	27.07968	.4664026	6.651229	7.228366

#1	.0000768	.0002157	11.81150	.0005744	.0067232	.0048049	.1225857
#2	.0001241	.0003525	11.86575	.0010084	.0067793	.0052706	.1159378
#3	.0000849	.0002562	12.20389	.0008554	.0067266	.0046418	.1336889

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8808089	3.251961	.0044841	.0000360	295.8056	-.002351	.0582275
Stddev	.0196259	.082510	.0003171	.0001113	2.5267	.001111	.0003899
%RSD	2.228165	2.537236	7.071373	309.3973	.8541919	47.24724	.6696638

#1	.8649121	3.157941	.0042005	.0000536	297.1699	-.002581	.0581050
#2	.8747700	3.285632	.0048265	-.000083	292.8900	-.001143	.0579135
#3	.9027446	3.312312	.0044253	.000137	297.3570	-.003329	.0586640

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7704163	-.012687	.0002915	-.037844	.0062929	.8072956	.0116989
Stddev	.0276579	.000389	.0001250	.000321	.0015099	.0224840	.0025222
%RSD	3.589999	3.064467	42.89841	.8472661	23.99403	2.785102	21.55896

#1	.8015926	-.012239	.0001471	-.037821	.0061593	.8268874	.0093780
#2	.7488290	-.012934	.0003640	-.037535	.0078651	.8122526	.0143829
#3	.7608271	-.012888	.0003632	-.038175	.0048542	.7827467	.0113358

Sample Name: Q3381-06 Acquired: 10/21/2025 14:47:59 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3237204	-.013034	.0750686
Stddev	.0002340	.004871	.0016720
%RSD	.0722763	37.36729	2.227250

#1	.3234786	-.017875	.0740268
#2	.3237369	-.013095	.0741818
#3	.3239457	-.008134	.0769972

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5247.324	86640.45	7187.899	4062.605	6203.475
Stddev	17.202	585.34	139.164	30.941	16.043
%RSD	.3278329	.6756020	1.936094	.7615935	.2586125

#1	5236.468	86004.88	7326.792	4028.788	6187.890
#2	5238.346	86759.08	7188.441	4089.494	6202.596
#3	5267.158	87157.40	7048.465	4069.534	6219.940

Sample Name: CCV02 Acquired: 10/21/2025 15:03:25 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	4.829580	4.949762	4.658899	4.923539	4.976611	9.531458	9.799214
Stddev	.004862	.119009	.002928	.002708	.007081	.005365	.059416
%RSD	.1006778	2.404342	.0628374	.0550013	.1422781	.0562847	.6063376
#1	4.824343	4.829583	4.656152	4.920417	4.984627	9.527975	9.864299
#2	4.830446	4.952137	4.658567	4.925256	4.971208	9.528764	9.785465
#3	4.833951	5.067566	4.661979	4.924943	4.973999	9.537636	9.747877
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2271099	2.305405	23.66899	.9341959	2.340352	1.205012	4.911865
Stddev	.0020687	.003469	.06371	.0030520	.002197	.000387	.026871
%RSD	.9108789	.1504725	.2691870	.3266982	.0938959	.0320879	.5470603
#1	.2285686	2.301469	23.60923	.9309840	2.339342	1.204622	4.888654
#2	.2280189	2.306727	23.73603	.9370578	2.338841	1.205021	4.905639
#3	.2247424	2.308018	23.66170	.9345458	2.342873	1.205395	4.941302
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.384015	23.19182	2.331949	1.202691	24.76564	2.390383	2.367760
Stddev	.002304	.06073	.004096	.002134	.18688	.003378	.007194
%RSD	.0966389	.2618690	.1756517	.1774618	.7546095	.1413072	.3038388
#1	2.382114	23.16859	2.328282	1.204153	24.57838	2.389941	2.376063
#2	2.386577	23.26074	2.331197	1.203677	24.76642	2.393959	2.363378
#3	2.383353	23.14613	2.336370	1.200242	24.95214	2.387247	2.363841
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.70866	4.615341	4.847097	4.669661	4.798888	4.834758	4.686644
Stddev	.22878	.039316	.001626	.009165	.013925	.043066	.031286
%RSD	.9259062	.8518464	.0335396	.1962672	.2901613	.8907613	.6675604
#1	24.46978	4.644021	4.848094	4.659089	4.790127	4.791393	4.650694
#2	24.73041	4.631478	4.847976	4.674538	4.814944	4.835363	4.707705
#3	24.92578	4.570525	4.845221	4.675357	4.791593	4.877519	4.701534

Sample Name: CCV02 Acquired: 10/21/2025 15:03:25 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.718580	4.818642	4.849028
Stddev	.028825	.016757	.089427
%RSD	.6108848	.3477450	1.844230
#1	4.688274	4.817698	4.873145
#2	4.721815	4.835851	4.923924
#3	4.745651	4.802377	4.750016

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5690.654	95385.01	7813.975	4432.797	6673.509
Stddev	11.891	546.91	50.723	2.479	5.063
%RSD	.2089544	.5733735	.6491362	.0559194	.0758670
#1	5680.787	96006.81	7806.735	4430.066	6673.338
#2	5687.317	94978.51	7767.260	4433.423	6668.534
#3	5703.856	95169.72	7867.929	4434.903	6678.655

Sample Name: CCB02 Acquired: 10/21/2025 15:07:30 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	.0000554	-.000472	.0002838	.0026684	.0005244	.0101060	-.003940
Stddev	.0019073	.000661	.0009732	.0010018	.0026456	.0070596	.001162
%RSD	3440.589	139.8925	342.8843	37.54276	504.5552	69.85478	29.50272

#1	-.001615	-.001235	-.000798	.0016784	.0020623	.0182392	-.004877
#2	-.000353	-.000080	.001087	.0036816	-.002531	.0065154	-.002639
#3	.002134	-.000102	.000563	.0026453	.002041	.0055635	-.004304

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000048	-.000051	.0047543	-.000063	-.000103	.0005172	.0359650
Stddev	.000065	.000049	.0074019	.000155	.000137	.0002532	.0099587
%RSD	133.2230	95.99088	155.6902	245.1225	133.4887	48.95098	27.69009

#1	-.000074	-.000107	.0117371	.000060	-.000124	.0007592	.0348876
#2	-.000096	-.000022	.0055313	-.000237	.000044	.0005384	.0265888
#3	.000025	-.000024	-.003006	-.000012	-.000228	.0002541	.0464186

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000313	-.013317	.0002999	.0001797	.0237761	-.003522	.0002219
Stddev	.000089	.021948	.0003167	.0002908	.0011153	.003361	.0000972
%RSD	28.29376	164.8134	105.6305	161.8224	4.690946	95.43483	43.82392

#1	-.000318	-.036850	.0002660	.0003973	.0230180	-.004887	.0001683
#2	-.000400	-.009697	.0000014	.0002925	.0250567	-.005986	.0001632
#3	-.000222	.006596	.0006321	-.000151	.0232534	.000307	.0003341

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2123196	-.016319	.0000756	-.010555	-.001690	-.011165	.0011589
Stddev	.0194621	.001184	.0001526	.000617	.002141	.002885	.0010176
%RSD	9.166424	7.256952	201.7488	5.848302	126.6622	25.84002	87.80819

#1	.1905155	-.015580	.0002084	-.010059	-.002389	-.008918	.0000937
#2	.2279345	-.015692	.0001097	-.011246	.000713	-.014418	.0021211
#3	.2185089	-.017685	-.000091	-.010359	-.003395	-.010159	.0012620

Sample Name: CCB02 Acquired: 10/21/2025 15:07:30 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0081682	-.002095	-.000024
Stddev	.0008738	.001985	.000113
%RSD	10.69704	94.73317	474.9537

#1	.0078364	-.000532	.000095
#2	.0091593	-.001425	-.000129
#3	.0075090	-.004328	-.000038

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5647.897	94945.44	7430.394	4414.741	7346.345
Stddev	10.065	379.51	37.081	20.090	6.842
%RSD	.1782010	.3997136	.4990444	.4550600	.0931404

#1	5636.581	94535.83	7391.863	4391.576	7338.922
#2	5651.263	95285.13	7433.488	4425.272	7352.401
#3	5655.848	95015.36	7465.831	4427.377	7347.713

Sample Name: Q3381-08 Acquired: 10/21/2025 15:11:50 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002439	-.003972	.0197313	.0059525	.0022706	.2371112	.1028116
Stddev	.000702	.003375	.0007215	.0027216	.0012427	.0162140	.0023934
%RSD	28.79077	84.97079	3.656740	45.72128	54.72761	6.838130	2.327955

#1	-.001763	-.007513	.0189089	.0028296	.0028841	.2231190	.1053753
#2	-.002388	-.000791	.0202578	.0078177	.0030873	.2548802	.1024238
#3	-.003165	-.003613	.0200273	.0072103	.0008405	.2333345	.1006358

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000010	.0002727	3.859240	.0037802	.0000454	.0045565	.0288746
Stddev	.000040	.0000219	.051798	.0003122	.0002367	.0002608	.0070523
%RSD	387.4616	8.043142	1.342181	8.257689	521.3427	5.723320	24.42376

#1	.000031	.0002612	3.912943	.0035350	.0003174	.0047970	.0343343
#2	-.000013	.0002590	3.855192	.0041316	-.000067	.0042793	.0313772
#3	-.000048	.0002981	3.809585	.0036740	-.000114	.0045930	.0209124

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0203321	.5463670	.0028275	-.000221	345.1371	-.001086	.0709180
Stddev	.0004858	.0334218	.0002187	.000341	1.5746	.001362	.0009121
%RSD	2.389132	6.117103	7.732865	153.9459	.4562148	125.5076	1.286091

#1	.0202483	.5391801	.0028987	-.000075	346.8377	-.000658	.0700800
#2	.0198936	.5171232	.0025821	.000022	344.8439	.000012	.0707846
#3	.0208543	.5827976	.0030017	-.000611	343.7298	-.002611	.0718894

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5332682	-.015915	.0004283	-.038523	.0014051	.1798804	.0125091
Stddev	.0303938	.000303	.0001211	.000259	.0006841	.0161289	.0023189
%RSD	5.699540	1.903647	28.26788	.6729316	48.68859	8.966472	18.53785

#1	.5487741	-.015578	.0004574	-.038490	.0021926	.1745210	.0148039
#2	.4982488	-.016163	.0002953	-.038282	.0009569	.1980067	.0101668
#3	.5527817	-.016005	.0005321	-.038797	.0010658	.1671134	.0125566

Sample Name: Q3381-08 Acquired: 10/21/2025 15:11:50 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3084672	-.010527	.0234140
Stddev	.0058987	.003008	.0002780
%RSD	1.912253	28.57408	1.187233

#1	.3142131	-.007782	.0236840
#2	.3087616	-.010056	.0234292
#3	.3024268	-.013742	.0231287

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5278.784	89563.95	7571.866	4169.222	6262.354
Stddev	73.849	229.62	129.984	25.490	91.040
%RSD	1.398969	.2563762	1.716670	.6113942	1.453774

#1	5203.451	89662.05	7434.858	4198.446	6170.515
#2	5281.848	89728.23	7587.291	4157.651	6263.973
#3	5351.053	89301.58	7693.449	4151.570	6352.574

Sample Name: Q3369-04 Acquired: 10/21/2025 15:16:16 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030656	-.004433	.0002968	.0052131	.0042451	.0579614	.0795994
Stddev	.0034474	.000830	.0017503	.0044052	.0008480	.0088267	.0003687
%RSD	112.4557	18.71469	589.6895	84.50299	19.97641	15.22850	.4631405

#1	-.000883	-.005369	-.000812	.0024556	.0051752	.0603001	.0800142
#2	.004606	-.003789	-.000613	.0102937	.0035148	.0653832	.0794749
#3	.005474	-.004141	.002315	.0028900	.0040453	.0482009	.0793091

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000095	.0003430	212.4286	.0012027	.0094709	.0046161	.0211410
Stddev	.000020	.0000105	.1289	.0003207	.0002749	.0004559	.0091581
%RSD	21.14965	3.060466	.0606707	26.66620	2.902101	9.876556	43.31920

#1	-.000117	.0003542	212.5773	.0011170	.0094723	.0041451	.0192615
#2	-.000078	.0003413	212.3596	.0015576	.0091953	.0050553	.0130684
#3	-.000089	.0003334	212.3489	.0009336	.0097450	.0046478	.0310930

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1982228	2.976444	.0033093	-.000345	403.0741	.0034585	.0349713
Stddev	.0010713	.021681	.0002048	.000546	4.1924	.0011638	.0001011
%RSD	.5404372	.7284305	6.189385	158.0745	1.040105	33.65029	.2891922

#1	.1994472	3.001286	.0031672	-.000022	401.9050	.0047458	.0350454
#2	.1977632	2.961330	.0032168	-.000976	399.5903	.0031489	.0348561
#3	.1974580	2.966718	.0035441	-.000038	407.7269	.0024809	.0350124

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.841254	.0058442	.0019225	-.039730	-.006171	2.024483	.0972211
Stddev	.040005	.0006317	.0005163	.000443	.000831	.027209	.0004994
%RSD	1.408002	10.80896	26.85344	1.115477	13.46344	1.343998	.5136929

#1	2.884739	.0064982	.0015130	-.039466	-.005274	2.038355	.0977974
#2	2.806015	.0052375	.0017520	-.040242	-.006324	2.041960	.0969136
#3	2.833006	.0057969	.0025024	-.039482	-.006914	1.993134	.0969524

Sample Name: Q3369-04 Acquired: 10/21/2025 15:16:16 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	9.621914	.0670491	.8867282
Stddev	.014350	.0013940	.0019107
%RSD	.1491374	2.079100	.2154758
#1	9.611379	.0678545	.8855617
#2	9.638258	.0654395	.8889333
#3	9.616106	.0678535	.8856897

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4930.071	82660.04	7316.451	3786.745	5744.549
Stddev	8.188	288.34	23.020	13.799	14.536
%RSD	.1660739	.3488317	.3146352	.3643947	.2530321
#1	4921.354	82398.87	7308.518	3775.456	5727.923
#2	4931.260	82611.77	7298.446	3782.651	5750.872
#3	4937.599	82969.47	7342.388	3802.127	5754.853

Sample Name: Q3369-08 Acquired: 10/21/2025 15:20:42 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002505	-.003007	.0004018	.0070211	.0015264	.3424462	.1063034
Stddev	.001632	.002099	.0014218	.0010214	.0008913	.0062685	.0019772
%RSD	65.13147	69.80802	353.8889	14.54768	58.39218	1.830500	1.859955

#1	-.001388	-.005054	.0013250	.0076059	.0017619	.3385012	.1085142
#2	-.001750	-.000859	.0011159	.0076157	.0005410	.3391630	.1047045
#3	-.004378	-.003107	-.001236	.0058417	.0022764	.3496743	.1056915

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001168	.0000361	3.137608	.0008903	.0039215	.0091759	.0188065
Stddev	.0000360	.0000632	.012229	.0003279	.0001565	.0001802	.0090227
%RSD	30.84486	174.8053	.3897471	36.82870	3.989731	1.964314	47.97625

#1	.0001394	.0001075	3.151517	.0008888	.0040672	.0092488	.0103526
#2	.0000753	-.000013	3.132762	.0012190	.0039412	.0093083	.0177602
#3	.0001359	.000014	3.128545	.0005632	.0037561	.0089707	.0283066

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.137693	.5668480	.0028795	-.000100	288.0348	-.002496	.0367073
Stddev	.003495	.0273409	.0001708	.000752	1.7521	.001049	.0001207
%RSD	.3072243	4.823312	5.932806	748.9321	.6082961	42.03366	.3288437

#1	1.136815	.5982923	.0027932	.000749	286.3958	-.002622	.0365709
#2	1.134721	.5535682	.0027691	-.000370	289.8815	-.003477	.0368002
#3	1.141544	.5486836	.0030763	-.000681	287.8269	-.001390	.0367508

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4602641	-.013302	.0001378	-.038725	.0002926	.1366234	.0115437
Stddev	.0564557	.000658	.0000383	.000543	.0012521	.0167970	.0026384
%RSD	12.26593	4.943015	27.82940	1.401270	427.9656	12.29435	22.85571

#1	.4751233	-.013471	.0001586	-.039140	.0009582	.1198741	.0091546
#2	.5078041	-.013859	.0000935	-.038111	-.001152	.1534676	.0111011
#3	.3978651	-.012577	.0001612	-.038924	.001071	.1365285	.0143754

Sample Name: Q3369-08 Acquired: 10/21/2025 15:20:42 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4068861	-.017823	.0192144
Stddev	.0021509	.002369	.0000564
%RSD	.5286116	13.29484	.2936075

#1	.4044235	-.016705	.0191501
#2	.4078382	-.020544	.0192374
#3	.4083966	-.016219	.0192557

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5432.324	90887.84	8101.831	4254.407	6401.736
Stddev	15.413	245.18	19.150	14.013	14.396
%RSD	.2837212	.2697581	.2363636	.3293665	.2248824

#1	5416.165	91162.34	8079.961	4245.896	6385.821
#2	5433.946	90690.61	8109.937	4246.746	6405.534
#3	5446.862	90810.56	8115.594	4270.580	6413.853

Sample Name: Q3374-04 Acquired: 10/21/2025 15:25:08 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001738	-.005972	.0005583	.0039891	.0030106	.0343359	.1318425
Stddev	.001062	.001843	.0003265	.0014717	.0017245	.0036640	.0015484
%RSD	61.13937	30.86550	58.47717	36.89346	57.28058	10.67096	1.174417
#1	-.000686	-.007770	.0009352	.0025318	.0045939	.0385237	.1304466
#2	-.001717	-.004087	.0003787	.0039609	.0011732	.0317211	.1335079
#3	-.002810	-.006059	.0003611	.0054748	.0032647	.0327628	.1315730
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000114	-.000030	8.254235	.0009001	-.000188	.0021941	.0259754
Stddev	.000025	.000011	.053968	.0001691	.000024	.0001608	.0076698
%RSD	21.84740	38.24181	.6538180	18.78748	12.54626	7.327095	29.52699
#1	-.000085	-.000041	8.215896	.0007220	-.000173	.0020192	.0171479
#2	-.000132	-.000030	8.315950	.0009197	-.000216	.0023353	.0310068
#3	-.000123	-.000018	8.230861	.0010585	-.000176	.0022278	.0297716
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2099872	1.040942	.0005123	-.000336	308.4436	-.003128	.0254708
Stddev	.0006951	.035345	.0001706	.000264	3.2561	.001564	.0001561
%RSD	.3309973	3.395479	33.29503	78.43015	1.055641	50.00896	.6127186
#1	.2099088	1.051233	.0006280	-.000174	309.4314	-.001483	.0253229
#2	.2107181	1.070000	.0003164	-.000640	304.8080	-.004597	.0254557
#3	.2093347	1.001594	.0005926	-.000194	311.0913	-.003304	.0256339
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8326181	-.014091	.0021166	-.037577	.0008842	.5364454	.0847568
Stddev	.0373961	.000675	.0001360	.000111	.0012286	.0046124	.0008530
%RSD	4.491382	4.789815	6.425498	.2959155	138.9545	.8598014	1.006419
#1	.7972937	-.014402	.0022209	-.037616	-.000336	.5390721	.0843252
#2	.8287719	-.013317	.0021661	-.037663	.002121	.5391445	.0842059
#3	.8717886	-.014555	.0019627	-.037451	.000868	.5311197	.0857394

Sample Name: Q3374-04 Acquired: 10/21/2025 15:25:08 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4379948	-.009629	.0605602
Stddev	.0022057	.006693	.0002501
%RSD	.5036023	69.50783	.4129762

#1	.4377697	-.004179	.0604216
#2	.4359103	-.007608	.0608489
#3	.4403045	-.017100	.0604102

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5597.279	93982.95	8089.896	4435.970	6656.691
Stddev	14.441	124.53	59.737	5.652	7.943
%RSD	.2580086	.1325040	.7384140	.1274167	.1193250

#1	5602.308	93947.27	8075.264	4430.051	6659.167
#2	5580.995	94121.43	8038.835	4441.311	6647.804
#3	5608.533	93880.15	8155.590	4436.548	6663.101

Sample Name: Q3374-08 Acquired: 10/21/2025 15:29:36 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000208	-.004347	.0002509	.0057054	.0020885	.1043335	.1688366
Stddev	.002355	.003117	.0010923	.0017878	.0011392	.0020030	.0007110
%RSD	1133.213	71.70079	435.3727	31.33530	54.54484	1.919847	.4211151

#1	.000754	-.007881	-.000796	.0036581	.0018920	.1041443	.1692751
#2	.001515	-.001991	.001384	.0069582	.0010604	.1064244	.1692184
#3	-.002892	-.003170	.000164	.0065000	.0033131	.1024318	.1680162

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000053	-.000043	6.007509	.0005515	.0055654	.0055596	4.856613
Stddev	.0000131	.000006	.010896	.0001804	.0001912	.0001502	.030249
%RSD	245.8172	13.94236	.1813707	32.71942	3.435911	2.701392	.6228345

#1	.0000169	-.000040	6.018807	.0007276	.0053745	.0055141	4.847549
#2	.0000081	-.000039	6.006653	.0005598	.0057569	.0057273	4.890357
#3	-.000009	-.000050	5.997066	.0003670	.0055647	.0054374	4.831932

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.373387	.9096507	.0026859	-.000120	364.4544	-.002046	.0220212
Stddev	.002392	.0215739	.0000226	.000258	1.8659	.002513	.0002262
%RSD	.1741565	2.371664	.8397859	213.8111	.5119631	122.8334	1.026992

#1	1.375369	.8898297	.0026701	-.000135	363.6196	-.004892	.0218781
#2	1.370730	.9064930	.0027117	.000144	363.1516	-.000130	.0219036
#3	1.374061	.9326294	.0026759	-.000371	366.5919	-.001117	.0222819

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9299181	-.015159	.0000560	-.037817	.0007405	.3032448	.0186177
Stddev	.0368548	.000430	.0002797	.000163	.0005223	.0092552	.0017380
%RSD	3.963229	2.838426	499.4868	.4317488	70.53479	3.052065	9.335245

#1	.9204299	-.014662	-.000217	-.037959	.0003235	.2935071	.0206216
#2	.8987351	-.015402	.000043	-.037639	.0005717	.3119270	.0175213
#3	.9705893	-.015412	.000342	-.037852	.0013263	.3043004	.0177102

Sample Name: Q3374-08 Acquired: 10/21/2025 15:29:36 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1032589	-.010657	.0419249
Stddev	.0018035	.004844	.0001156
%RSD	1.746578	45.45699	.2756771

#1	.1038919	-.008040	.0418838
#2	.1046607	-.007684	.0418355
#3	.1012243	-.016247	.0420554

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5447.013	91034.64	7635.257	4308.663	6428.654
Stddev	5.467	194.77	29.258	1.981	11.666
%RSD	.1003747	.2139476	.3831949	.0459724	.1814701

#1	5442.693	90811.59	7603.003	4307.698	6418.515
#2	5445.187	91171.08	7660.089	4307.349	6426.042
#3	5453.160	91121.25	7642.679	4310.941	6441.405

Sample Name: Q3388-02 Acquired: 10/21/2025 15:34:01 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002326	-.001807	.0452550	.0053048	.0015872	.1582598	.1017123
Stddev	.000372	.001235	.0004462	.0008611	.0016597	.0097835	.0025734
%RSD	15.99138	68.36088	.9858765	16.23188	104.5723	6.181911	2.530046

#1	-.002282	-.003182	.0457689	.0056203	.0031140	.1685705	.1046668
#2	-.001978	-.001448	.0449663	.0043305	-.000179	.1571025	.1005100
#3	-.002718	-.000791	.0450298	.0059637	.001827	.1491065	.0999602

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000048	.0000007	23.70839	.0013272	.0007980	.0014573	.5400147
Stddev	.000042	.0000564	.04291	.0003923	.0000046	.0002181	.0094989
%RSD	88.67295	8132.692	.1810050	29.55661	.5747914	14.96905	1.759015

#1	-.000027	.0000262	23.70394	.0009042	.0007988	.0017078	.5475334
#2	-.000096	.0000398	23.75336	.0013983	.0008021	.0013097	.5293393
#3	-.000020	-.000064	23.66788	.0016790	.0007931	.0013543	.5431715

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1287052	1.590189	.0033121	-.000066	214.1158	-.001703	.7974167
Stddev	.0003890	.018148	.0001556	.000346	.9666	.002281	.0023432
%RSD	.3022176	1.141272	4.697987	524.5307	.4514186	133.9074	.2938471

#1	.1289957	1.604820	.0031440	.000219	215.2247	-.004159	.7947651
#2	.1282633	1.595866	.0033411	.000034	213.6704	-.001300	.7982765
#3	.1288566	1.569881	.0034512	-.000451	213.4522	.000349	.7992086

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9183625	-.005380	.0003313	-.038865	.0000773	1.056000	.0344775
Stddev	.0117442	.000520	.0000979	.000236	.0020584	.015997	.0008209
%RSD	1.278819	9.660821	29.56806	.6076843	2663.167	1.514883	2.380867

#1	.9249602	-.004788	.0002185	-.039052	.0006016	1.070573	.0342452
#2	.9048031	-.005762	.0003799	-.038600	.0018229	1.058543	.0353894
#3	.9253243	-.005589	.0003954	-.038945	-.002193	1.038884	.0337978

Sample Name: Q3388-02 Acquired: 10/21/2025 15:34:01 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3871726	-.002663	.1272407
Stddev	.0025321	.001746	.0005600
%RSD	.6539839	65.56866	.4400848

#1	.3879715	-.002800	.1278711
#2	.3843375	-.004336	.1268009
#3	.3892088	-.000852	.1270501

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5596.523	94540.87	7861.115	4435.667	6682.790
Stddev	14.260	165.52	29.686	11.521	18.519
%RSD	.2548069	.1750754	.3776310	.2597453	.2771181

#1	5607.220	94351.71	7889.283	4429.667	6703.550
#2	5580.333	94659.10	7830.114	4448.950	6667.968
#3	5602.015	94611.82	7863.947	4428.384	6676.851

Sample Name: Q3390-02 Acquired: 10/21/2025 15:38:26 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001075	-.001889	.0102597	.0099489	.0155798	.1210055	.1104016
Stddev	.000847	.002475	.0013743	.0009266	.0011086	.0119418	.0020788
%RSD	78.81938	131.0529	13.39496	9.313491	7.115862	9.868818	1.882914

#1	-.000245	-.001772	.0088999	.0089394	.0167813	.1288360	.1127533
#2	-.001041	-.004420	.0116481	.0101466	.0153619	.1269198	.1096423
#3	-.001939	.000526	.0102311	.0107606	.0145964	.1072608	.1088092

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000182	.0012363	4.402659	.0018657	-.000086	.1270616	.0458187
Stddev	.000048	.0000239	.077136	.0002458	.000105	.0007241	.0019719
%RSD	26.66817	1.937415	1.752023	13.17687	121.9013	.5698761	4.303615

#1	-.000159	.0012357	4.491474	.0016934	-.000001	.1265898	.0471486
#2	-.000149	.0012606	4.352435	.0021472	-.000203	.1266998	.0467543
#3	-.000237	.0012127	4.364069	.0017565	-.000054	.1278953	.0435532

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0367183	.2270957	.0023064	-.000257	258.8863	-.002014	1.574727
Stddev	.0009610	.0343535	.0002228	.000360	3.8575	.000788	.000972
%RSD	2.617109	15.12732	9.661248	140.0780	1.490031	39.14267	.0617335

#1	.0378253	.2599853	.0024410	.000158	263.1076	-.001119	1.575651
#2	.0362298	.2298570	.0024291	-.000478	255.5446	-.002318	1.574815
#3	.0360996	.1914449	.0020492	-.000451	258.0067	-.002605	1.573713

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.57930	.2784850	.3318288	-.029593	.0000841	.1732326	.0909031
Stddev	.16627	.0061870	.0006125	.000596	.0013432	.0028177	.0002659
%RSD	.6764435	2.221664	.1845851	2.014797	1597.915	1.626559	.2925351

#1	24.66122	.2853678	.3314857	-.028926	.0016314	.1704705	.0907727
#2	24.68871	.2733855	.3314648	-.029783	-.000597	.1731245	.0907275
#3	24.38797	.2767017	.3325360	-.030072	-.000782	.1761028	.0912091

Sample Name: Q3390-02 Acquired: 10/21/2025 15:38:26 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.502748	-.006478	.0176151
Stddev	.006467	.007733	.0004129
%RSD	.4303278	119.3808	2.344159

#1	1.496251	-.005821	.0180916
#2	1.502811	-.014518	.0173907
#3	1.509184	.000906	.0173629

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5472.009	92142.74	7517.018	4278.949	6623.850
Stddev	12.108	68.86	118.353	15.372	9.677
%RSD	.2212780	.0747297	1.574474	.3592511	.1461001

#1	5460.109	92138.77	7381.363	4295.736	6615.278
#2	5484.315	92075.96	7599.189	4265.561	6634.344
#3	5471.603	92213.50	7570.503	4275.551	6621.926

Sample Name: Q3392-04 Acquired: 10/21/2025 15:42:49 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001641	-.005240	.0054636	.0076222	.0034868	.2003082	.2126864
Stddev	.000171	.002086	.0002867	.0032963	.0010549	.0075689	.0013182
%RSD	10.42473	39.79955	5.247845	43.24653	30.25302	3.778613	.6198051

#1	-.001597	-.005590	.0054424	.0106017	.0028835	.1986655	.2111919
#2	-.001497	-.003002	.0051881	.0040812	.0047049	.2085636	.2131831
#3	-.001831	-.007129	.0057604	.0081835	.0028721	.1936956	.2136840

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000033	.0001061	5.503978	.0026602	.0072137	.0043502	.2148657
Stddev	.000086	.0000603	.018421	.0001805	.0000422	.0005227	.0079613
%RSD	258.8844	56.86752	.3346854	6.784902	.5856136	12.01520	3.705245

#1	.000040	.0000610	5.510107	.0028409	.0072584	.0047247	.2105518
#2	-.000013	.0001746	5.483273	.0024799	.0071745	.0037531	.2099924
#3	-.000127	.0000826	5.518553	.0026599	.0072081	.0045728	.2240530

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.451071	.9014239	.0038381	-.000095	315.9448	-.002299	.0494150
Stddev	.002937	.0195395	.0001698	.000316	3.4256	.002816	.0003835
%RSD	.2024275	2.167624	4.424515	330.5427	1.084225	122.5215	.7759885

#1	1.449329	.8977295	.0039464	-.000458	319.8837	-.005529	.0490002
#2	1.449423	.8839954	.0036424	.000055	313.6614	-.001008	.0494881
#3	1.454463	.9225469	.0039256	.000117	314.2894	-.000359	.0497566

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5957240	-.007803	.0004900	-.038446	.0012990	.6459698	.0145148
Stddev	.0399422	.000690	.0000582	.000501	.0008309	.0202943	.0006516
%RSD	6.704818	8.846641	11.87592	1.302003	63.96102	3.141678	4.488952

#1	.5735912	-.008597	.0004267	-.037919	.0014888	.6693476	.0151961
#2	.6418330	-.007471	.0005021	-.038504	.0003897	.6328775	.0138977
#3	.5717478	-.007342	.0005412	-.038915	.0020186	.6356844	.0144506

Sample Name: Q3392-04 Acquired: 10/21/2025 15:42:49 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1799645	-.009172	.0272628
Stddev	.0024855	.002053	.0000139
%RSD	1.381115	22.38352	.0510533

#1	.1796190	-.006886	.0272657
#2	.1826047	-.010858	.0272477
#3	.1776699	-.009772	.0272751

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5442.966	90534.55	7866.792	4174.811	6479.247
Stddev	12.170	445.85	22.849	9.731	25.487
%RSD	.2235851	.4924668	.2904507	.2330794	.3933674

#1	5429.211	90031.79	7888.485	4164.915	6455.782
#2	5447.356	90689.99	7868.950	4184.368	6475.596
#3	5452.332	90881.88	7842.940	4175.151	6506.362

Sample Name: Q3392-08 Acquired: 10/21/2025 15:47:14 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013994	-.002855	.0068452	.0071937	.0018994	.2942201	.2859892
Stddev	.0014387	.002298	.0006300	.0034882	.0009891	.0066706	.0024378
%RSD	102.8100	80.50986	9.203516	48.48979	52.07352	2.267221	.8524215

#1	.0006713	-.002902	.0064865	.0042932	.0026928	.2865194	.2835971
#2	.0004702	-.000533	.0075726	.0110643	.0007912	.2982181	.2884703
#3	.0030566	-.005129	.0064764	.0062237	.0022142	.2979227	.2859003

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000260	.0000839	10.67615	.0012682	.0084009	.0029325	5.378869
Stddev	.0000069	.0000144	.02555	.0000347	.0000261	.0001512	.029950
%RSD	26.41408	17.17344	.2392882	2.738189	.3100582	5.155327	.5568163

#1	.0000216	.0000688	10.64665	.0012950	.0083753	.0028603	5.345203
#2	.0000225	.0000975	10.69054	.0012806	.0084001	.0028310	5.402556
#3	.0000339	.0000855	10.69125	.0012290	.0084274	.0031063	5.388849

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.323579	1.351426	.0037019	-.000266	401.1867	-.000593	.0729909
Stddev	.004083	.041581	.0003484	.000493	2.4636	.001294	.0003136
%RSD	.1757403	3.076793	9.410758	185.0887	.6140862	218.3389	.4296332

#1	2.325840	1.377770	.0038656	-.000281	402.2053	-.001110	.0729294
#2	2.318865	1.373017	.0033018	-.000752	402.9778	-.001548	.0733306
#3	2.326033	1.303491	.0039383	.000234	398.3772	.000880	.0727126

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9012261	-.001128	.0001767	-.038534	.0009421	.9347310	.0144248
Stddev	.0104752	.000350	.0002809	.000116	.0002177	.0263655	.0003175
%RSD	1.162326	31.00922	158.9825	.3014758	23.11142	2.820654	2.200946

#1	.9055583	-.000786	.0003737	-.038654	.0010830	.9067291	.0147889
#2	.9088403	-.001114	-.000145	-.038422	.0006913	.9383847	.0142793
#3	.8892798	-.001485	.000301	-.038526	.0010521	.9590791	.0142061

Sample Name: Q3392-08 Acquired: 10/21/2025 15:47:14 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1839437	-.006620	.0529628
Stddev	.0009708	.000058	.0001100
%RSD	.5277534	.8816705	.2077368

#1	.1840566	-.006682	.0528467
#2	.1848532	-.006566	.0529763
#3	.1829215	-.006612	.0530655

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5525.985	91848.30	7923.670	4286.399	6468.144
Stddev	17.596	214.12	22.860	17.275	4.796
%RSD	.3184262	.2331277	.2884965	.4030160	.0741496

#1	5509.718	91612.29	7905.317	4266.575	6464.230
#2	5523.576	91902.46	7916.418	4294.398	6466.708
#3	5544.662	92030.14	7949.276	4298.225	6473.494

Sample Name: Q3392-08DUP Acquired: 10/21/2025 15:51:39 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010954	-.001639	.0075324	.0078061	.0024021	.3018533	.2864846
Stddev	.0011115	.003069	.0005786	.0021525	.0010310	.0063423	.0027205
%RSD	101.4757	187.2454	7.681739	27.57491	42.91940	2.101134	.9496197
#1	.0013832	.000543	.0077185	.0099122	.0033246	.3041956	.2862326
#2	-.000132	-.005148	.0079951	.0078962	.0025926	.3066913	.2893224
#3	.002035	-.000312	.0068836	.0056100	.0012892	.2946729	.2838989
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000008	.0001741	10.75606	.0011507	.0084010	.0034492	5.435981
Stddev	.000035	.0000503	.00342	.0001884	.0001366	.0003480	.026612
%RSD	427.5698	28.87257	.0317545	16.36999	1.625826	10.08805	.4895574
#1	-.000006	.0001360	10.75533	.0012472	.0084452	.0031918	5.410242
#2	.000026	.0001552	10.75978	.0009336	.0082478	.0033107	5.434311
#3	-.000044	.0002311	10.75306	.0012713	.0085100	.0038451	5.463388
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.333588	1.368062	.0035133	-.000173	391.5821	-.001702	.0739364
Stddev	.011813	.002525	.0001731	.000362	5.2238	.000976	.0004854
%RSD	.5062017	.1845536	4.926184	209.4607	1.334015	57.30967	.6565051
#1	2.331938	1.370484	.0033153	-.000428	386.5479	-.000834	.0734106
#2	2.346139	1.365445	.0035889	.000241	396.9768	-.002758	.0740312
#3	2.322687	1.368256	.0036356	-.000331	391.2215	-.001515	.0743675
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9718366	-.000589	.0003607	-.038493	.0006873	.9309236	.0154400
Stddev	.0373775	.000538	.0001489	.000420	.0001780	.0166592	.0012669
%RSD	3.846068	91.43003	41.26792	1.091403	25.90192	1.789530	8.205531
#1	.9956697	-.000368	.0005312	-.038014	.0007709	.9244525	.0160932
#2	.9910819	-.000196	.0002562	-.038665	.0008081	.9184710	.0139798
#3	.9287581	-.001203	.0002949	-.038800	.0004828	.9498475	.0162471

Sample Name: Q3392-08DUP Acquired: 10/21/2025 15:51:39 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1871788	-.011293	.0532034
Stddev	.0043574	.002004	.0001850
%RSD	2.327958	17.74215	.3476875

#1	.1842591	-.009003	.0531392
#2	.1850899	-.012149	.0534119
#3	.1921875	-.012726	.0530591

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5382.320	90195.88	7812.772	4251.620	6304.891
Stddev	55.140	594.98	21.952	31.164	65.838
%RSD	1.024465	.6596545	.2809786	.7329924	1.044241

#1	5405.896	90691.90	7795.034	4277.897	6338.210
#2	5421.754	90359.54	7805.959	4259.774	6347.409
#3	5319.312	89536.20	7837.323	4217.190	6229.053

Sample Name: CCV03 Acquired: 10/21/2025 15:56:03 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	4.819318	5.062552	4.679718	4.867644	4.904858	9.575080	9.708672
Stddev	.013474	.063390	.010024	.021824	.015435	.235842	.236815
%RSD	.2795784	1.252137	.2141931	.4483571	.3146960	2.463081	2.439208
#1	4.832628	5.003816	4.687647	4.853024	4.889441	9.847204	9.981626
#2	4.805686	5.054094	4.668451	4.857178	4.904821	9.429911	9.557938
#3	4.819640	5.129747	4.683055	4.892731	4.920311	9.448126	9.586452
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2327493	2.332434	23.83667	.9411816	2.357681	1.206360	4.847143
Stddev	.0060742	.011262	.54335	.0017204	.008013	.004547	.004719
%RSD	2.609760	.4828328	2.279472	.1827957	.3398787	.3769303	.0973542
#1	.2395660	2.345016	24.46128	.9398389	2.366480	1.210300	4.850193
#2	.2279109	2.323297	23.47306	.9405850	2.350803	1.201385	4.841708
#3	.2307709	2.328989	23.57569	.9431209	2.355760	1.207396	4.849529
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.384177	23.38121	2.352200	1.203323	25.31468	2.400631	2.389718
Stddev	.065033	.52433	.009333	.001893	.26728	.057465	.001175
%RSD	2.727676	2.242527	.3967762	.1573536	1.055816	2.393765	.0491808
#1	2.459109	23.98259	2.362107	1.205210	25.52645	2.466543	2.388366
#2	2.342453	23.01984	2.343573	1.203335	25.40322	2.361049	2.390490
#3	2.350969	23.14121	2.350922	1.201423	25.01437	2.374299	2.390299
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.15203	4.727087	4.859953	4.704509	4.803407	4.760688	4.738039
Stddev	.11826	.122344	.014826	.011147	.110892	.006384	.016737
%RSD	.4701643	2.588149	.3050626	.2369524	2.308621	.1341064	.3532412
#1	25.22928	4.866538	4.874549	4.716410	4.931383	4.767074	4.753555
#2	25.21092	4.637789	4.844907	4.694310	4.735696	4.754306	4.720303
#3	25.01589	4.676932	4.860402	4.702808	4.743144	4.760686	4.740257

Sample Name: CCV03 Acquired: 10/21/2025 15:56:03 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.720979	4.683008	4.812997
Stddev	.012426	.130082	.145383
%RSD	.2632024	2.777739	3.020629
#1	4.719212	4.833169	4.966175
#2	4.709531	4.604754	4.676922
#3	4.734193	4.611102	4.795894

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5720.721	95406.69	7675.572	4486.465	6672.312
Stddev	8.256	126.06	190.445	14.593	16.823
%RSD	.1443172	.1321242	2.481183	.3252670	.2521298
#1	5711.687	95308.51	7457.593	4499.894	6652.948
#2	5727.874	95362.72	7809.725	4470.936	6680.650
#3	5722.601	95548.84	7759.398	4488.565	6683.337

Sample Name: CCB03 Acquired: 10/21/2025 16:00:38 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006957	.0011348	.0005022	.0023568	-.000807	.0413599
Stddev	.0016619	.0018572	.0012980	.0006607	.000176	.0011878
%RSD	238.8699	163.6645	258.4500	28.03307	21.78934	2.871781
#1	.0019508	-.000618	-.000431	.0020180	-.000960	.0422041
#2	.0013253	.003081	-.000047	.0019343	-.000846	.0400017
#3	-.001189	.000941	.001985	.0031182	-.000615	.0418739
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003254	.0000224	-.000028	.0298501	.0028256	-.000063
Stddev	.001337	.0000689	.000062	.0128229	.0001492	.000014
%RSD	41.08994	306.9191	216.9064	42.95770	5.281782	21.94033
#1	-.004250	.0000943	-.000088	.0439795	.0026689	-.000078
#2	-.003778	.0000159	-.000032	.0189516	.0028420	-.000060
#3	-.001734	-.000043	.000035	.0266193	.0029660	-.000050
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004867	.0432844	.0002022	-.002260	.0012393	-.000109
Stddev	.0001358	.0064398	.0004081	.021936	.0002171	.000580
%RSD	27.90100	14.87793	201.8151	970.6656	17.51898	531.7681
#1	.0005887	.0430562	.0002040	-.013662	.0011507	-.000419
#2	.0003325	.0498353	.0006095	.023029	.0010806	.000560
#3	.0005388	.0369617	-.000207	-.016146	.0014868	-.000468
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5777426	.0003202	.0014578	.6918635	-.017754	-.000164
Stddev	.0235099	.0008094	.0002013	.0473973	.000489	.000219
%RSD	4.069271	252.7842	13.80957	6.850680	2.753828	133.3586
#1	.5532880	.0002720	.0012356	.6382177	-.017691	-.000302
#2	.5797621	.0011527	.0016280	.7093001	-.018271	.000088
#3	.6001775	-.000464	.0015098	.7280727	-.017299	-.000279

Sample Name: CCB03 Acquired: 10/21/2025 16:00:38 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008019	.0000408	-.018939	.0017802	F .0173381	F .0190780
Stddev	.000638	.0017844	.006276	.0020332	.0015002	.0055260
%RSD	7.950400	4372.620	33.14071	114.2104	8.652308	28.96498
#1	-.008219	.0016719	-.022164	-.000553	.0185722	.0217299
#2	-.007305	-.001865	-.022946	.003171	.0177738	.0127260
#3	-.008532	.000316	-.011705	.002723	.0156684	.0227782

Elem	Sr4077
Units	ppm
Avg	-.000024
Stddev	.000064
%RSD	271.0819
#1	-.000089
#2	.000040
#3	-.000022

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5723.714	97370.90	7523.617	4561.075	7403.120
Stddev	66.403	247.36	61.997	12.641	81.778
%RSD	1.160131	.2540426	.8240323	.2771496	1.104640
#1	5798.854	97085.68	7519.686	4546.493	7495.703
#2	5672.923	97526.84	7587.486	4567.799	7340.738
#3	5699.365	97500.17	7463.679	4568.933	7372.919

Sample Name: Q3392-08LX5 Acquired: 10/21/2025 16:04:57 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002877	.0015470	.0007474	.0020753	.0001934	.0738286	.0547448
Stddev	.0017803	.0026789	.0004309	.0043366	.0007788	.0048495	.0019922
%RSD	618.8596	173.1726	57.65283	208.9645	402.7189	6.568544	3.639086
#1	-.001470	.0008348	.0002753	.0053482	-.000105	.0682468	.0544607
#2	.002090	-.000704	.0011195	-.002843	.001077	.0770074	.0529099
#3	.000243	.004510	.0008473	.003721	-.000392	.0762315	.0568638
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000005	.0000082	2.194638	.0002311	.0016972	.0007750	1.051625
Stddev	.0000463	.0000228	.025838	.0000567	.0000616	.0004000	.004336
%RSD	9948.822	277.9429	1.177324	24.56137	3.626346	51.61855	.4122866
#1	.0000512	.0000209	2.196350	.0002388	.0016547	.0003776	1.053319
#2	-.000040	.0000218	2.167986	.0002835	.0017678	.0011777	1.046698
#3	-.000010	-.000018	2.219577	.0001708	.0016691	.0007697	1.054857
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4743222	.2666701	.0007131	-.000099	75.16227	-.002821	.0144466
Stddev	.0082541	.0216377	.0000900	.000464	.49444	.003939	.0000732
%RSD	1.740196	8.114044	12.62865	470.1749	.6578338	139.6365	.5065950
#1	.4712498	.2545573	.0007664	-.000634	75.72664	-.000360	.0143622
#2	.4680449	.2538015	.0006091	.000164	74.95491	-.007364	.0144934
#3	.4836719	.2916514	.0007637	.000174	74.80528	-.000739	.0144841
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6588086	-.017311	-.000218	-.016971	-.000260	.1735142	.0028567
Stddev	.0400080	.000108	.000120	.000254	.000083	.0062178	.0007246
%RSD	6.072785	.6212603	55.12439	1.494683	31.74828	3.583436	25.36640
#1	.6127759	-.017202	-.000170	-.017074	-.000341	.1804024	.0036786
#2	.6784499	-.017417	-.000129	-.016682	-.000176	.1718238	.0025815
#3	.6851999	-.017315	-.000354	-.017157	-.000263	.1683165	.0023099

Sample Name: Q3392-08LX5 Acquired: 10/21/2025 16:04:57 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0496493	.0007864	.0106717
Stddev	.0033190	.0028447	.0001123
%RSD	6.684805	361.7624	1.052003
#1	.0492140	.0016599	.0105802
#2	.0531644	.0030918	.0106380
#3	.0465694	-.002393	.0107970

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5734.717	95537.71	7847.194	4467.935	7006.184
Stddev	4.681	621.22	93.138	20.197	3.291
%RSD	.0816230	.6502305	1.186897	.4520432	.0469796
#1	5737.077	94894.33	7858.506	4445.133	7009.756
#2	5729.326	95584.68	7934.160	4483.575	7005.523
#3	5737.749	96134.10	7748.917	4475.097	7003.273

Sample Name: Q3392-08MS Acquired: 10/21/2025 16:09:14 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8038625	1.810394	.9115321	2.024501	.7944422	2.258855	.4841356
Stddev	.0046547	.030161	.0036925	.002993	.0044614	.010828	.0027068
%RSD	.5790384	1.666006	.4050867	.1478318	.5615795	.4793415	.5590915

#1	.8037013	1.805494	.9097629	2.027134	.7991016	2.256814	.4846033
#2	.8085956	1.782982	.9157763	2.025122	.7940154	2.270558	.4865781
#3	.7992905	1.842705	.9090571	2.021246	.7902094	2.249194	.4812255

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1830426	.1906372	11.72200	.3996518	.2028662	.2917767	8.419664
Stddev	.0002648	.0003659	.03867	.0004982	.0003703	.0004452	.051124
%RSD	.1446486	.1919185	.3298854	.1246719	.1825374	.1525742	.6071978

#1	.1828004	.1902478	11.72443	.4000169	.2027071	.2922350	8.452404
#2	.1833253	.1909737	11.75940	.3990842	.2032894	.2917490	8.445834
#3	.1830023	.1906901	11.68217	.3998543	.2026019	.2913460	8.360753

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.535350	3.257832	.4871825	.0697590	390.6040	.2960252	.2748322
Stddev	.012535	.015284	.0007871	.0004925	5.7447	.0014233	.0017681
%RSD	.4943951	.4691460	.1615567	.7060336	1.470722	.4807983	.6433448

#1	2.530308	3.240361	.4870340	.0701857	388.5761	.2956746	.2763985
#2	2.549621	3.264410	.4880333	.0698713	386.1482	.2975910	.2751830
#3	2.526122	3.268726	.4864803	.0692201	397.0876	.2948100	.2729149

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.71317	.2513819	.4103311	.6284942	.1915225	1.821406	5.759214
Stddev	.12144	.0011220	.0007763	.0023077	.0001022	.010172	.008581
%RSD	1.036809	.4463181	.1891777	.3671824	.0533491	.5584966	.1490036

#1	11.73156	.2514074	.4105654	.6284251	.1915279	1.814036	5.765475
#2	11.82437	.2524908	.4109632	.6308356	.1916218	1.817169	5.749432
#3	11.58358	.2502473	.4094647	.6262218	.1914177	1.833012	5.762735

Sample Name: Q3392-08MS Acquired: 10/21/2025 16:09:14 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1770977	.1857112	.2417624
Stddev	.0020757	.0021657	.0007684
%RSD	1.172072	1.166167	.3178480

#1	.1784264	.1833456	.2414933
#2	.1781610	.1861915	.2426292
#3	.1747058	.1875964	.2411647

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5298.717	88142.26	7453.302	4169.722	6117.906
Stddev	7.424	253.44	12.408	18.872	11.457
%RSD	.1401020	.2875395	.1664774	.4525864	.1872653

#1	5304.007	87849.87	7454.706	4149.677	6129.175
#2	5290.230	88299.17	7464.949	4187.146	6106.270
#3	5301.912	88277.75	7440.252	4172.345	6118.274

Sample Name: Q3392-08MSD Acquired: 10/21/2025 16:13:22 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7496507	1.663984	.8461648	1.874390	.7557280	2.084257	.4586400
Stddev	.0011626	.024293	.0003818	.004456	.0027118	.006694	.0029065
%RSD	.1550798	1.459935	.0451171	.2377410	.3588275	.3211585	.6337235

#1	.7496826	1.688353	.8457240	1.873214	.7526114	2.086003	.4553074
#2	.7507970	1.639768	.8463880	1.879316	.7575489	2.076864	.4599626
#3	.7484725	1.663832	.8463824	1.870639	.7570237	2.089905	.4606500

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1727717	.1761814	11.18959	.3658242	.1879504	.2715805	7.865833
Stddev	.0010545	.0003303	.04002	.0005957	.0000654	.0005653	.064379
%RSD	.6103400	.1874921	.3576168	.1628465	.0348129	.2081325	.8184690

#1	.1739842	.1763254	11.15010	.3651786	.1878888	.2721759	7.791497
#2	.1722627	.1758036	11.18857	.3663526	.1880191	.2710512	7.902420
#3	.1720683	.1764154	11.23011	.3659415	.1879435	.2715142	7.903582

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.428150	3.064818	.4509710	.0646483	367.9900	.2756614	.2581563
Stddev	.009456	.024454	.0006172	.0003397	7.6413	.0025478	.0002027
%RSD	.3894262	.7978983	.1368554	.5255085	2.076486	.9242370	.0785025

#1	2.417370	3.067102	.4516647	.0650352	360.4087	.2766519	.2580736
#2	2.435045	3.039303	.4507655	.0643986	367.8712	.2727671	.2583872
#3	2.432034	3.088051	.4504827	.0645112	375.6899	.2775651	.2580081

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.66642	.2356898	.3899784	.5984865	.1828772	1.695119	5.367333
Stddev	.11239	.0005116	.0007451	.0002926	.0010762	.011293	.008392
%RSD	1.053695	.2170428	.1910488	.0488865	.5885100	.6662109	.1563453

#1	10.54422	.2362789	.3893419	.5984067	.1828833	1.683149	5.373633
#2	10.76537	.2354318	.3907979	.5988108	.1817979	1.705585	5.357808
#3	10.68968	.2353586	.3897954	.5982422	.1839504	1.696623	5.370559

Sample Name: Q3392-08MSD Acquired: 10/21/2025 16:13:22 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1687944	.1750152	.2270779
Stddev	.0013498	.0030447	.0017442
%RSD	.7996567	1.739703	.7681141

#1	.1694846	.1721841	.2251041
#2	.1696596	.1746255	.2277181
#3	.1672391	.1782361	.2284116

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5455.510	90566.36	7514.743	4318.942	6316.056
Stddev	14.325	243.31	30.562	8.560	13.760
%RSD	.2625757	.2686593	.4066934	.1981894	.2178648

#1	5471.901	90722.96	7480.012	4322.910	6328.898
#2	5449.240	90286.04	7526.693	4309.118	6317.738
#3	5445.389	90690.07	7537.525	4324.797	6301.532

Sample Name: Q3392-08A Acquired: 10/21/2025 16:17:30 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7858924	1.868670	.8921231	1.974243	.7784454	2.164403	.4768381
Stddev	.0026627	.042476	.0022660	.001405	.0030826	.010897	.0005167
%RSD	.3388067	2.273035	.2539973	.0711551	.3959925	.5034437	.1083673

#1	.7832275	1.881415	.8899163	1.972710	.7775927	2.154082	.4762631
#2	.7858969	1.903314	.8920091	1.974550	.7758789	2.163330	.4769875
#3	.7885528	1.821281	.8944439	1.975468	.7818645	2.175796	.4772637

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1804267	.1855713	11.71421	.3791967	.1977253	.2848596	8.246040
Stddev	.0014735	.0005323	.05625	.0017680	.0008511	.0009406	.026176
%RSD	.8166640	.2868210	.4802079	.4662457	.4304679	.3301929	.3174424

#1	.1787657	.1854138	11.69840	.3780403	.1971401	.2843630	8.273164
#2	.1809380	.1851357	11.66754	.3812319	.1973340	.2842714	8.244031
#3	.1815764	.1861646	11.77667	.3783180	.1987017	.2859444	8.220927

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.531703	3.181834	.4757942	.0684565	376.7313	.2861207	.2699852
Stddev	.009933	.018578	.0012345	.0012154	2.8041	.0015786	.0012227
%RSD	.3923263	.5838907	.2594521	1.775474	.7443222	.5517373	.4528899

#1	2.520602	3.181563	.4756416	.0673353	378.2829	.2872180	.2713123
#2	2.534759	3.163392	.4746431	.0697481	373.4943	.2868328	.2697391
#3	2.539749	3.200546	.4770978	.0682861	378.4166	.2843115	.2689042

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.14423	.2491286	.4015883	.6232074	.1879468	1.766253	5.701544
Stddev	.02596	.0018526	.0009530	.0022544	.0009744	.008401	.008860
%RSD	.2329567	.7436209	.2373026	.3617401	.5184334	.4756408	.1553973

#1	11.17130	.2476839	.4008145	.6219708	.1868868	1.769949	5.698349
#2	11.11954	.2484848	.4012978	.6218420	.1881500	1.756638	5.694724
#3	11.14187	.2512173	.4026528	.6258095	.1888035	1.772172	5.711558

Sample Name: Q3392-08A Acquired: 10/21/2025 16:17:30 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1824368	.1698822	.2375720
Stddev	.0027159	.0019659	.0003183
%RSD	1.488658	1.157203	.1339821
#1	.1852998	.1687740	.2372135
#2	.1821138	.1687206	.2376813
#3	.1798969	.1721520	.2378213

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5377.614	89686.89	7441.513	4267.267	6211.275
Stddev	15.321	352.32	71.733	1.520	11.553
%RSD	.2849117	.3928355	.9639581	.0356316	.1859988
#1	5384.872	90029.88	7524.283	4266.609	6214.935
#2	5387.958	89325.93	7402.856	4269.006	6220.555
#3	5360.012	89704.86	7397.399	4266.187	6198.335

Sample Name: PB170147TB Acquired: 10/21/2025 16:21:38 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000392	-.003733	-.000183	.0041534	.0011693	.0057623	-.007003
Stddev	.001088	.002269	.000311	.0030932	.0021337	.0031759	.001765
%RSD	277.6124	60.79719	169.8708	74.47411	182.4799	55.11486	25.19835

#1	-.001447	-.006351	-.000290	.0075653	.0017019	.0091430	-.006971
#2	-.000454	-.002338	-.000426	.0033628	.0029863	.0028413	-.008784
#3	.000725	-.002508	.000167	.0015323	-.001180	.0053025	-.005255

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000132	-.000174	.0344413	.0032047	-.000215	.0003553	.0202394
Stddev	.000090	.000064	.0093635	.0003033	.000084	.0000316	.0033632
%RSD	67.73579	36.86230	27.18673	9.465312	39.01586	8.892749	16.61684

#1	-.000083	-.000229	.0452504	.0034346	-.000259	.0003613	.0230437
#2	-.000236	-.000188	.0288204	.0028609	-.000118	.0003834	.0211638
#3	-.000078	-.000104	.0292531	.0033186	-.000267	.0003211	.0165107

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063748	-.022067	.0008187	-.000058	260.6676	-.002206	.0014812
Stddev	.0000983	.030220	.0001708	.000108	3.1734	.002859	.0000961
%RSD	1.542221	136.9489	20.85708	185.6897	1.217400	129.6073	6.488695

#1	.0062784	-.056046	.0006338	-.000092	263.2143	-.002452	.0014189
#2	.0064749	.001799	.0008517	-.000145	261.6760	.000768	.0014327
#3	.0063712	-.011952	.0009705	.000063	257.1126	-.004935	.0015918

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.083560	-.023011	.0002071	-.037353	-.000086	-.002020	.0085722
Stddev	.022874	.000217	.0000890	.000453	.000732	.005642	.0005609
%RSD	27.37420	.9426242	42.96350	1.214084	856.2808	279.2877	6.543337

#1	-.082568	-.023091	.0002478	-.037075	-.000130	-.002528	.0079332
#2	-.106914	-.022765	.0002685	-.037108	-.000795	.003858	.0088000
#3	-.061199	-.023176	.0001051	-.037876	.000668	-.007391	.0089834

Sample Name: PB170147TB Acquired: 10/21/2025 16:21:38 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0324397	-.012847	.0000686
Stddev	.0011039	.002261	.0000826
%RSD	3.402846	17.60297	120.4021

#1	.0315989	-.013038	.0001638
#2	.0320303	-.015006	.0000155
#3	.0336897	-.010495	.0000265

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5604.821	93451.26	7827.210	4439.981	6706.602
Stddev	6.076	255.24	80.383	20.406	5.569
%RSD	.1084098	.2731310	1.026967	.4595976	.0830386

#1	5605.531	93720.39	7777.982	4451.714	6707.497
#2	5610.511	93212.64	7919.970	4416.418	6711.669
#3	5598.421	93420.76	7783.679	4451.811	6700.640

Sample Name: Q3411-01 Acquired: 10/21/2025 16:26:06 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003719	-.001701	-.003949	.0081904	.0062500	.0782728
Stddev	.000514	.000892	.001270	.0014563	.0021161	.0083557
%RSD	13.82058	52.43064	32.16689	17.78085	33.85669	10.67506

#1	-.003165	-.002727	-.004864	.0067307	.0046402	.0785537
#2	-.004180	-.001111	-.004485	.0096433	.0086468	.0864844
#3	-.003812	-.001266	-.002499	.0081971	.0054630	.0697802

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0876902	-.000160	-.000220	186.5312	.0077917	.0133356
Stddev	.0005817	.000085	.000061	2.1990	.0001069	.0002655
%RSD	.6633827	53.09116	27.74229	1.178899	1.372308	1.991209

#1	.0881075	-.000216	-.000222	186.8389	.0077253	.0134608
#2	.0870257	-.000202	-.000279	188.5601	.0077348	.0130306
#3	.0879373	-.000062	-.000158	184.1945	.0079150	.0135153

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2743234	.0646253	.0034883	56.17612	.0919439	.0001267
Stddev	.0017025	.0031666	.0007553	.61749	.0008138	.0004277
%RSD	.6206261	4.899964	21.65314	1.099205	.8850455	337.4548

#1	.2723619	.0668041	.0041747	56.24620	.0910057	-.000290
#2	.2751905	.0660791	.0026791	56.75557	.0923695	.000564
#3	.2754179	.0609929	.0036111	55.52657	.0924567	.000106

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4528.033	-.000031	.0521027	14.16960	.0484587	.1788374
Stddev	8.400	.002728	.0004147	.45309	.0017105	.0015244
%RSD	.1855100	8832.840	.7958786	3.197642	3.529893	.8523762

#1	4532.246	-.000634	.0524904	13.65634	.0504279	.1771109
#2	4533.492	-.002406	.0516655	14.33843	.0476074	.1794039
#3	4518.360	.002948	.0521523	14.51405	.0473409	.1799974

Sample Name: Q3411-01 Acquired: 10/21/2025 16:26:06 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.039258	-.004817	F 19.25197	.2316026	F 278.1085	.0443829
Stddev	.000433	.002793	.24682	.0025630	2.5219	.0034835
%RSD	1.101844	57.98238	1.282074	1.106620	.9068019	7.848812

#1	-.039511	-.001746	19.05841	.2292465	275.2902	.0483913
#2	-.038758	-.005500	19.52992	.2343316	280.1523	.0426690
#3	-.039503	-.007206	19.16759	.2312298	278.8830	.0420883

Elem	Sr4077
Units	ppm
Avg	.5354088
Stddev	.0086886
%RSD	1.622789

#1	.5355607
#2	.5440204
#3	.5266452

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4063.456	67679.91	6578.959	3358.330	4287.811
Stddev	21.181	293.33	41.663	8.494	29.352
%RSD	.5212577	.4334107	.6332777	.2529186	.6845489

#1	4087.528	67873.67	6530.863	3350.872	4321.672
#2	4055.170	67823.61	6603.922	3356.545	4272.157
#3	4047.671	67342.43	6602.094	3367.575	4269.605

Sample Name: Q3401-01 Acquired: 10/21/2025 16:30:27 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0556244	.0174461	.0190382	.0019036	.0048768	182.1072
Stddev	.0015873	.0015409	.0016577	.0047396	.0021374	.2233
%RSD	2.853552	8.832558	8.707221	248.9832	43.82736	.1226251

#1	.0572748	.0156773	.0197948	.0061759	.0072181	182.3139
#2	.0541089	.0181631	.0171372	.0027295	.0030299	182.1374
#3	.0554893	.0184979	.0201826	-.003195	.0043825	181.8704

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.489601	.0213845	.0037915	1526.076	.2947208	.0341043
Stddev	.002481	.0000957	.0000321	21.749	.0016238	.0001021
%RSD	.1665517	.4475534	.8455606	1.425127	.5509704	.2992343

#1	1.488620	.0214890	.0037790	1550.504	.2939411	.0339948
#2	1.492422	.0213635	.0037676	1508.819	.2936339	.0341968
#3	1.487760	.0213010	.0038280	1518.904	.2965874	.0341212

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0955706	100.9895	6.676647	172.4252	.1299184	-.000150
Stddev	.0006557	.8536	.008936	.5926	.0001816	.000525
%RSD	.6860424	.8452544	.1338444	.3436990	.1397989	350.2346

#1	.0962439	100.0606	6.670990	172.5152	.1301249	-.000443
#2	.0955338	101.1682	6.686949	172.9677	.1298464	.000456
#3	.0949341	101.7396	6.672002	171.7928	.1297837	-.000462

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.03644	.1979499	.2446313	21.52495	.2348987	.0108436
Stddev	.00469	.0012473	.0013874	.23307	.0017693	.0000323
%RSD	.0333893	.6301039	.5671263	1.082768	.7532073	.2979029

#1	14.03916	.1977792	.2446437	21.31207	.2328666	.0108719
#2	14.03102	.1967967	.2432378	21.48881	.2360972	.0108504
#3	14.03913	.1992738	.2460124	21.77398	.2357323	.0108084

Sample Name: Q3401-01 Acquired: 10/21/2025 16:30:27 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.014767	8.466833	3.179924	2.191027	F 74.11209	.7520355
Stddev	.000596	.003305	.001535	.003748	.31309	.0046187
%RSD	4.033453	.0390349	.0482816	.1710743	.4224550	.6141623

#1	-.014122	8.467591	3.181278	2.186701	73.97427	.7468771
#2	-.015296	8.469693	3.180239	2.193296	73.89156	.7534421
#3	-.014883	8.463214	3.178256	2.193084	74.47045	.7557875

Elem	Sr4077
Units	ppm
Avg	3.313288
Stddev	.006294
%RSD	.1899583

#1	3.314534
#2	3.306465
#3	3.318866

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5993.781	96889.85	8834.549	4675.697	4941.600
Stddev	4.671	420.99	41.428	32.823	7.840
%RSD	.0779246	.4345073	.4689314	.7019863	.1586607

#1	5989.161	97364.69	8804.116	4699.949	4932.584
#2	5993.681	96742.60	8817.804	4688.794	4945.402
#3	5998.501	96562.26	8881.729	4638.348	4946.815

Sample Name: Q3402-01 Acquired: 10/21/2025 16:34:47 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0751884	-.001565	.2271974	.0110031	-.011824	153.0153
Stddev	.0013005	.002489	.0021575	.0016630	.001690	.4807
%RSD	1.729663	159.0034	.9496053	15.11369	14.29345	.3141559

#1	.0765579	-.002916	.2248484	.0091490	-.013700	152.5507
#2	.0739701	.001307	.2290906	.0114977	-.010421	152.9848
#3	.0750371	-.003088	.2276532	.0123627	-.011352	153.5106

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5263462	.0075826	.0038644	40.56982	.1545560	.0637250
Stddev	.0018894	.0000929	.0000428	.12472	.0007356	.0000671
%RSD	.3589598	1.224747	1.106555	.3074313	.4759667	.1053332

#1	.5241681	.0075724	.0039133	40.42988	.1538256	.0636792
#2	.5275426	.0076802	.0038342	40.61030	.1545457	.0638021
#3	.5273279	.0074953	.0038458	40.66927	.1552967	.0636937

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1760043	183.9047	2.168350	29.37085	.1485804	-.006789
Stddev	.0005608	1.0788	.008290	.09388	.0001785	.000282
%RSD	.3186271	.5866182	.3823207	.3196422	.1201014	4.161233

#1	.1756398	183.0453	2.158823	29.33300	.1486389	-.006736
#2	.1757230	183.5535	2.172300	29.30179	.1487222	-.007094
#3	.1766501	185.1154	2.173926	29.47774	.1483800	-.006537

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.03199	.2883754	.4677696	10.52723	.1444544	.0041946
Stddev	.08862	.0013309	.0014809	.12429	.0062799	.0000944
%RSD	.4656305	.4615066	.3165971	1.180678	4.347304	2.250062

#1	18.94021	.2897992	.4667669	10.39785	.1386272	.0040918
#2	19.03869	.2881642	.4694706	10.53812	.1436303	.0042774
#3	19.11706	.2871627	.4670713	10.64572	.1511056	.0042145

Sample Name: Q3402-01 Acquired: 10/21/2025 16:34:47 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004809	1.775281	F 16.95880	3.843773	F 65.32736	.1639410
Stddev	.000142	.009000	.11368	.007035	.44583	.0031317
%RSD	2.961622	.5069604	.6703090	.1830316	.6824541	1.910287

#1	-.004768	1.769870	16.82853	3.836910	64.84598	.1603695
#2	-.004691	1.770303	17.03786	3.843440	65.41002	.1652358
#3	-.004967	1.785671	17.01002	3.850969	65.72607	.1662177

Elem	Sr4077
Units	ppm
Avg	.0909801
Stddev	.0004511
%RSD	.4958606

#1	.0910926
#2	.0913644
#3	.0904834

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6221.520	103624.0	8848.654	4810.215	6411.555
Stddev	5.399	312.7	13.675	44.125	7.945
%RSD	.0867756	.3017569	.1545447	.9173185	.1239135

#1	6224.874	103806.1	8850.286	4859.018	6419.741
#2	6224.394	103802.9	8834.236	4798.491	6411.048
#3	6215.292	103262.9	8861.440	4773.136	6403.876

Sample Name: Q3402-04 Acquired: 10/21/2025 16:40:02 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0750536	-.005448	.2941755	.0062687	-.006695	73.63143
Stddev	.0018132	.003034	.0026069	.0025067	.002640	5.88242
%RSD	2.415841	55.69093	.8861593	39.98658	39.43801	7.989011

#1	.0768944	-.008951	.2971835	.0081356	-.009063	76.98655
#2	.0749970	-.003692	.2927697	.0034197	-.007173	77.06858
#3	.0732693	-.003700	.2925733	.0072509	-.003848	66.83916

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3917561	.0056363	.0025663	32.11176	.1180580	.0468416
Stddev	.0330534	.0003550	.0003769	2.48428	.0040913	.0005251
%RSD	8.437248	6.298827	14.68714	7.736353	3.465459	1.121006

#1	.4122271	.0058925	.0022991	33.54495	.1223889	.0474468
#2	.4094173	.0057853	.0024024	33.54717	.1175267	.0465069
#3	.3536237	.0052311	.0029974	29.24316	.1142583	.0465710

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1945354	125.2992	3.091989	19.50467	.1224881	-.004557
Stddev	.0014961	5.3098	.243191	1.46302	.0015168	.000368
%RSD	.7690881	4.237671	7.865202	7.500890	1.238304	8.066767

#1	.1956103	130.3146	3.234713	20.33006	.1242356	-.004245
#2	.1928267	125.8457	3.230064	20.36850	.1217151	-.004464
#3	.1951692	119.7374	2.811188	17.81546	.1215136	-.004962

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.38642	.1988264	.5352573	7.001659	.1042541	.0070087
Stddev	.51020	.0164206	.0194669	.258107	.0063562	.0001868
%RSD	3.811353	8.258774	3.636917	3.686372	6.096815	2.665197

#1	13.89629	.2087471	.5567332	7.257386	.1089905	.0072108
#2	13.38711	.2078598	.5302678	7.006356	.0970304	.0069728
#3	12.87588	.1798724	.5187708	6.741236	.1067413	.0068424

Sample Name: Q3402-04 Acquired: 10/21/2025 16:40:02 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008228	1.499385	F 10.73922	4.393196	F 47.42506	.1228322
Stddev	.000603	.138038	.67085	.047017	.39643	.0035722
%RSD	7.334676	9.206316	6.246754	1.070224	.8359177	2.908226

#1	-.007807	1.576075	11.35929	4.444485	47.84201	.1255656
#2	-.007957	1.582050	10.83128	4.382969	47.38021	.1241408
#3	-.008919	1.340029	10.02710	4.352135	47.05296	.1187902

Elem	Sr4077
Units	ppm
Avg	.1280148
Stddev	.0147964
%RSD	11.55834

#1	.1352020
#2	.1378447
#3	.1109977

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6226.561	102295.9	9152.103	4777.043	6766.471
Stddev	59.273	2826.5	606.628	122.751	65.721
%RSD	.9519381	2.763102	6.628287	2.569599	.9712721

#1	6158.132	99346.7	8815.905	4639.516	6690.588
#2	6259.603	102559.6	8788.012	4816.100	6803.668
#3	6261.947	104981.3	9852.391	4875.513	6805.157

Sample Name: Q3402-07 Acquired: 10/21/2025 16:44:05 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1493091	-.004621	.7525855	.0049830	-.014581	128.8277
Stddev	.0010854	.002330	.0093479	.0006953	.000712	.1707
%RSD	.7269744	50.41549	1.242100	13.95381	4.882866	.1324792

#1	.1480716	-.002859	.7421433	.0055256	-.014309	128.7243
#2	.1497559	-.003742	.7601737	.0052243	-.015389	129.0247
#3	.1500998	-.007263	.7554394	.0041992	-.014045	128.7341

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8387833	.0131198	.0125445	13.65590	.3404019	.1315633
Stddev	.0056692	.0000490	.0006115	.02035	.0034326	.0014986
%RSD	.6758834	.3737251	4.874533	.1490136	1.008384	1.139055

#1	.8453034	.0131593	.0118450	13.66359	.3412974	.1298358
#2	.8350170	.0130649	.0128105	13.67129	.3432980	.1325147
#3	.8360295	.0131352	.0129779	13.63283	.3366104	.1323393

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4912712	204.3782	4.514772	29.79148	.2994677	-.006219
Stddev	.0059194	1.6491	.020834	.05864	.0034891	.000166
%RSD	1.204915	.8068837	.4614593	.1968218	1.165111	2.665157

#1	.4844361	206.2400	4.538824	29.77183	.2954827	-.006046
#2	.4947029	203.7932	4.502343	29.85742	.3019742	-.006235
#3	.4946745	203.1013	4.503149	29.74519	.3009461	-.006376

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.06260	.3581540	.5901707	12.00210	.1427366	.0062001
Stddev	.22959	.0016634	.0010840	.12359	.0083064	.0001671
%RSD	1.345596	.4644424	.1836706	1.029740	5.819418	2.694434

#1	17.32739	.3595284	.5892643	12.13407	.1514341	.0060807
#2	16.94155	.3586289	.5898763	11.98314	.1418895	.0061286
#3	16.91886	.3563048	.5913714	11.88908	.1348861	.0063910

Sample Name: Q3402-07 Acquired: 10/21/2025 16:44:05 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1208457	2.051482	F 13.55676	6.672013	F 26.61259	.1543204
Stddev	.0014112	.009471	.15921	.089775	.34506	.0007398
%RSD	1.167783	.4616508	1.174432	1.345542	1.296611	.4794086

#1	.1192806	2.060298	13.74061	6.568363	26.21628	.1535724
#2	.1212357	2.041470	13.46536	6.722416	26.84636	.1543368
#3	.1220210	2.052679	13.46431	6.725260	26.77514	.1550518

Elem	Sr4077
Units	ppm
Avg	-.000374
Stddev	.000428
%RSD	114.2773

#1	-.000229
#2	-.000856
#3	-.000038

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8913.842	147487.5	12307.85	7035.108	6419.423
Stddev	63.337	746.0	46.92	58.105	66.784
%RSD	.7105424	.5057874	.3812360	.8259303	1.040345

#1	8986.883	147013.0	12344.82	6997.503	6496.155
#2	8880.533	147102.2	12255.06	7005.789	6374.409
#3	8874.111	148347.3	12323.65	7102.031	6387.704

Sample Name: CCV04 Acquired: 10/21/2025 16:48:07 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	4.747916	4.898956	4.641232	4.829853	4.873127	9.282997	9.485549
Stddev	.003339	.050152	.010612	.010341	.004098	.234587	.197822
%RSD	.0703326	1.023730	.2286432	.2141159	.0840850	2.527061	2.085511
#1	4.751197	4.912781	4.629261	4.832479	4.877340	9.371703	9.572502
#2	4.744521	4.940746	4.644949	4.838629	4.872887	9.016993	9.259143
#3	4.748031	4.843342	4.649485	4.818452	4.869155	9.460297	9.625001
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2322612	2.299357	23.22915	.9342016	2.330104	1.193594	4.842334
Stddev	.0045660	.005909	.53446	.0158433	.002977	.001933	.081977
%RSD	1.965892	.2569726	2.300811	1.695913	.1277584	.1619484	1.692919
#1	.2338615	2.293379	23.49794	.9261993	2.326746	1.191454	4.845129
#2	.2271105	2.299498	22.61365	.9239556	2.331149	1.194115	4.758995
#3	.2358117	2.305193	23.57586	.9524498	2.332418	1.195214	4.922877
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.345253	22.89816	2.325845	1.212983	23.98568	2.330956	2.397765
Stddev	.050031	.56488	.005322	.015743	.29218	.053437	.039779
%RSD	2.133293	2.466935	.2288263	1.297853	1.218146	2.292484	1.658994
#1	2.370584	23.20101	2.319731	1.203032	23.88643	2.355637	2.373272
#2	2.287622	22.24643	2.329441	1.204784	23.75605	2.269640	2.376360
#3	2.377552	23.24703	2.328362	1.231133	24.31455	2.367592	2.443663
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.10389	4.748302	4.779771	4.641483	4.693423	4.762825	4.714746
Stddev	.35619	.087795	.005733	.010765	.100674	.072054	.007752
%RSD	1.477731	1.848983	.1199364	.2319195	2.145000	1.512831	.1644281
#1	23.93473	4.780731	4.773197	4.631251	4.738304	4.735028	4.705926
#2	23.86381	4.648905	4.782386	4.652711	4.578114	4.708811	4.720480
#3	24.51314	4.815269	4.783730	4.640488	4.763850	4.844637	4.717832

Sample Name: CCV04 Acquired: 10/21/2025 16:48:07 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.686248	4.629016	4.731907
Stddev	.020182	.070259	.110819
%RSD	.4306630	1.517800	2.341944
#1	4.676911	4.670780	4.788109
#2	4.709408	4.547900	4.604248
#3	4.672427	4.668370	4.803364

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5705.719	94166.23	7679.938	4462.871	6663.303
Stddev	13.268	1605.95	175.723	78.350	14.867
%RSD	.2325353	1.705437	2.288081	1.755596	.2231107
#1	5720.956	94845.42	7617.904	4514.916	6680.469
#2	5699.482	95320.99	7878.264	4500.936	6654.695
#3	5696.719	92332.29	7543.645	4372.761	6654.744

Sample Name: CCB04 Acquired: 10/21/2025 16:52:09 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001723	-.000997	-.000848	.0021834	-.000411	.0067250
Stddev	.0004811	.003045	.000421	.0021188	.001247	.0112326
%RSD	279.1089	305.3864	49.69930	97.04192	303.5728	167.0258

#1	.0000617	-.003863	-.000590	-.000216	-.001374	.0183257
#2	.0006991	-.001328	-.000619	.002967	.000998	-.004099
#3	-.000244	.002200	-.001334	.003798	-.000856	.005948

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004631	.0000245	-.000006	-.001127	-.000353	-.000112
Stddev	.001487	.0000399	.000013	.014672	.000068	.000075
%RSD	32.10866	162.8708	198.4382	1301.679	19.28098	66.93986

#1	-.005510	.0000109	-.000008	-.011718	-.000405	-.000066
#2	-.002914	-.000007	-.000018	.015620	-.000380	-.000199
#3	-.005467	.000069	.000007	-.007283	-.000276	-.000072

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002348	.0042069	-.000401	.0006251	-.000095	-.000269
Stddev	.0001367	.0039634	.000399	.0199368	.000262	.000274
%RSD	58.21246	94.21291	99.27559	3189.590	277.3282	102.1404

#1	.0000796	.0001128	-.000233	.0158407	.000178	-.000504
#2	.0003372	.0080253	-.000115	-.021944	-.000345	.000033
#3	.0002877	.0044826	-.000857	.007978	-.000117	-.000334

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5895308	-.002180	-.000134	.6227154	-.018146	-.000193
Stddev	.0216102	.001674	.000281	.0618062	.000486	.000197
%RSD	3.665660	76.79093	209.2148	9.925279	2.677194	102.3628

#1	.5895166	-.003730	-.000334	.5963947	-.018228	-.000162
#2	.5679277	-.000405	.000187	.5784263	-.017625	-.000404
#3	.6111481	-.002404	-.000255	.6933251	-.018586	-.000013

Sample Name: CCB04 Acquired: 10/21/2025 16:52:09 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.012147	.0012412	-.013770	.0018420	F .0195636	-.002926
Stddev	.000166	.0008802	.016025	.0006497	.0004697	.006261
%RSD	1.369113	70.91471	116.3772	35.27289	2.400694	213.9615
#1	-.011956	.0022365	-.003121	.0014887	.0191039	.001400
#2	-.012259	.0009217	-.032201	.0025918	.0200426	-.010106
#3	-.012226	.0005654	-.005989	.0014455	.0195443	-.000072

Elem	Sr4077
Units	ppm
Avg	.0000276
Stddev	.0000227
%RSD	82.35968
#1	.0000052
#2	.0000506
#3	.0000270

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5743.670	96621.53	7689.657	4502.634	7529.439
Stddev	4.252	210.05	32.159	8.589	5.710
%RSD	.0740287	.2173923	.4182162	.1907564	.0758388
#1	5748.074	96401.02	7693.269	4509.573	7535.005
#2	5743.347	96644.32	7719.857	4505.302	7523.595
#3	5739.588	96819.26	7655.843	4493.028	7529.718

Sample Name: Q3402-10 Acquired: 10/21/2025 16:56:28 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1219788	-.005019	.5967346	.0082135	-.007186	102.2391
Stddev	.0018038	.003306	.0011534	.0022617	.001979	.0358
%RSD	1.478769	65.86489	.1932804	27.53580	27.53829	.0350035

#1	.1234430	-.006828	.5958215	.0104059	-.005006	102.2441
#2	.1225296	-.001203	.5980308	.0058884	-.008870	102.2010
#3	.1199638	-.007025	.5963515	.0083462	-.007683	102.2721

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5421028	.0086346	.0054113	17.31288	.3210088	.0917601
Stddev	.0010751	.0000285	.0000994	.01033	.0002037	.0006976
%RSD	.1983173	.3298157	1.836974	.0596632	.0634465	.7602384

#1	.5426560	.0086375	.0054500	17.30997	.3208752	.0909688
#2	.5427887	.0086048	.0054855	17.32435	.3209080	.0920255
#3	.5408638	.0086615	.0052984	17.30432	.3212432	.0922861

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3639203	169.7210	2.415391	33.47722	.1998945	-.004597
Stddev	.0017970	.4068	.006100	.02889	.0006488	.000604
%RSD	.4938005	.2396970	.2525554	.0862888	.3245881	13.13768

#1	.3620733	170.0988	2.414513	33.44471	.1994729	-.004563
#2	.3640248	169.7737	2.421883	33.49994	.1995689	-.004010
#3	.3656628	169.2903	2.409778	33.48701	.2006417	-.005217

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.07073	.2738863	1.050180	12.43478	.1567647	.0060764
Stddev	.13121	.0008208	.002034	.06563	.0019368	.0001097
%RSD	.5687300	.2996710	.1937286	.5277787	1.235465	1.804929

#1	23.19819	.2747158	1.050151	12.51055	.1579353	.0061640
#2	23.07792	.2730746	1.052229	12.39778	.1545292	.0059534
#3	22.93607	.2738683	1.048160	12.39600	.1578297	.0061117

Sample Name: Q3402-10 Acquired: 10/21/2025 16:56:28 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0959033	2.290260	F 16.51851	4.877992	F 66.63799	.1574966
Stddev	.0001243	.022862	.33031	.016498	.28553	.0018199
%RSD	.1296328	.9982193	1.999619	.3382201	.4284735	1.155521

#1	.0959111	2.297607	16.86739	4.896963	66.95015	.1557789
#2	.0960236	2.308544	16.47756	4.870010	66.39004	.1573071
#3	.0957753	2.264628	16.21060	4.867002	66.57376	.1594039

Elem	Sr4077
Units	ppm
Avg	.0217567
Stddev	.0006542
%RSD	3.006909

#1	.0216975
#2	.0224384
#3	.0211341

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6714.810	111719.8	9405.731	5210.428	6652.741
Stddev	13.288	180.2	49.039	19.744	10.788
%RSD	.1978846	.1612950	.5213686	.3789327	.1621643

#1	6729.113	111918.1	9461.261	5231.363	6665.142
#2	6712.467	111675.2	9387.565	5207.778	6647.562
#3	6702.850	111566.1	9368.368	5192.143	6645.519

Sample Name: Q3403-01 Acquired: 10/21/2025 17:00:31 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0364807	-.007171	.1618602	.0011394	-.014193	102.7066
Stddev	.0012777	.002510	.0007914	.0047439	.000331	.3581
%RSD	3.502505	34.99783	.4889486	416.3439	2.333339	.3487040

#1	.0362659	-.004569	.1624934	-.003640	-.014379	103.1197
#2	.0378522	-.009577	.1621143	.001212	-.013811	102.5159
#3	.0353240	-.007367	.1609730	.005847	-.014389	102.4841

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5802202	.0081703	.0027191	13.22831	.1235263	.0905561
Stddev	.0050802	.0001338	.0000642	.07290	.0004683	.0001282
%RSD	.8755608	1.637120	2.361530	.5510981	.3791259	.1415509

#1	.5859102	.0082220	.0026709	13.29422	.1238138	.0905640
#2	.5786103	.0082705	.0027920	13.24070	.1237793	.0906802
#3	.5761400	.0080184	.0026944	13.15001	.1229859	.0904242

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1717109	204.1300	4.363929	20.57658	.1469828	-.009742
Stddev	.0005610	.5381	.031591	.10121	.0005892	.000457
%RSD	.3266885	.2635978	.7239026	.4918680	.4008927	4.694951

#1	.1714863	204.3896	4.397536	20.65477	.1465833	-.009999
#2	.1723494	203.5113	4.359409	20.61272	.1467057	-.009214
#3	.1712971	204.4890	4.334841	20.46227	.1476596	-.010014

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.052070	.2424272	.3363128	8.794488	.1411394	.0009377
Stddev	.008516	.0014915	.0002478	.072252	.0053131	.0001290
%RSD	.2790289	.6152541	.0736700	.8215624	3.764407	13.75833

#1	3.049910	.2411277	.3363267	8.734790	.1401800	.0008080
#2	3.044841	.2440558	.3365533	8.773864	.1363713	.0010660
#3	3.061458	.2420982	.3360584	8.874810	.1468667	.0009390

Sample Name: Q3403-01 Acquired: 10/21/2025 17:00:31 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.017663	2.971764	F 19.72217	4.495950	.6480700	.0860214
Stddev	.000173	.008900	.08466	.005031	.0034487	.0055555
%RSD	.9800524	.2994923	.4292483	.1118991	.5321448	6.458217

#1	-.017465	2.967780	19.76153	4.490534	.6463608	.0820614
#2	-.017742	2.981960	19.62500	4.500478	.6520394	.0836308
#3	-.017783	2.965552	19.77997	4.496836	.6458097	.0923720

Elem	Sr4077
Units	ppm
Avg	-.135152
Stddev	.000454
%RSD	.3356954

#1	-.134866
#2	-.134914
#3	-.135675

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6418.119	105948.3	8685.910	5006.914	6584.369
Stddev	5.367	231.7	65.231	9.450	14.313
%RSD	.0836241	.2187162	.7509931	.1887395	.2173785

#1	6424.196	106199.3	8643.220	5008.286	6598.652
#2	6414.025	105742.5	8653.512	5015.603	6584.428
#3	6416.137	105903.0	8760.997	4996.853	6570.026

Sample Name: Q3397-01 Acquired: 10/21/2025 17:04:34 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0428046	-.003728	.2063694	.0012922	-.019135	124.4675
Stddev	.0016737	.002888	.0021481	.0032217	.000733	14.5451
%RSD	3.909981	77.47506	1.040887	249.3204	3.830966	11.68582

#1	.0409209	-.003762	.2077097	-.002359	-.018464	126.7560
#2	.0433723	-.006599	.2038918	.003735	-.019917	108.9139
#3	.0441206	-.000823	.2075068	.002501	-.019022	137.7327

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8061884	.0105965	.0060310	26.13899	.1678466	.1150405
Stddev	.0979135	.0010456	.0005658	3.00349	.0052135	.0007698
%RSD	12.14524	9.867396	9.382116	11.49045	3.106128	.6691808

#1	.8250832	.0108075	.0066839	26.66195	.1631611	.1152579
#2	.7002045	.0094615	.0057252	22.90837	.1734628	.1156781
#3	.8932776	.0115205	.0056838	28.84665	.1669158	.1141853

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3380878	236.0614	4.207546	49.15286	.2569477	-.013516
Stddev	.0028387	4.4068	.482547	5.72866	.0004069	.001054
%RSD	.8396227	1.866796	11.46862	11.65479	.1583706	7.795270

#1	.3407158	231.0948	4.304936	50.04084	.2573435	-.013339
#2	.3384704	237.5857	3.683731	43.03205	.2569693	-.014646
#3	.3350773	239.5037	4.633970	54.38568	.2565305	-.012561

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.202238	.2730958	.5805099	18.49156	.1905135	.0038257
Stddev	.053905	.0323232	.0158208	.28384	.0436697	.0001011
%RSD	1.683351	11.83584	2.725325	1.534962	22.92209	2.641298

#1	3.140030	.2792585	.5647174	18.16930	.1740539	.0039023
#2	3.235180	.2381349	.5963588	18.70442	.2400210	.0037112
#3	3.231504	.3018939	.5804534	18.60097	.1574656	.0038635

Sample Name: Q3397-01 Acquired: 10/21/2025 17:04:34 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.015738	3.591984	F 10.50832	4.974156	.9146064	.2579625
Stddev	.000570	.403773	.28064	.004354	.0084057	.0311930
%RSD	3.622967	11.24096	2.670643	.0875329	.9190473	12.09208

#1	-.015083	3.666059	10.20729	4.979109	.9227620	.2612940
#2	-.016004	3.156301	10.55496	4.972425	.9150860	.2252375
#3	-.016126	3.953590	10.76272	4.970933	.9059712	.2873561

Elem	Sr4077
Units	ppm
Avg	-.083069
Stddev	.016951
%RSD	20.40617

#1	-.074669
#2	-.102580
#3	-.071958

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6690.143	109190.3	9319.109	5196.431	6374.794
Stddev	9.169	2918.9	939.091	112.473	4.458
%RSD	.1370577	2.673199	10.07704	2.164428	.0699368

#1	6700.128	111947.7	9106.424	5292.422	6376.493
#2	6682.101	106133.1	10346.30	5072.676	6369.735
#3	6688.200	109490.1	8504.60	5224.194	6378.152

Sample Name: Q3397-01DUP Acquired: 10/21/2025 17:08:36 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0503021	-.009268	.2291617	.0048918	-.017876	144.4158
Stddev	.0016328	.005414	.0015568	.0030106	.000223	.6230
%RSD	3.246000	58.41672	.6793580	61.54264	1.245753	.4314039
#1	.0521143	-.015518	.2277118	.0083209	-.017644	144.2608
#2	.0489453	-.006300	.2289662	.0036721	-.018088	143.8850
#3	.0498468	-.005988	.2308070	.0026825	-.017897	145.1017
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9417182	.0119318	.0053012	24.25334	.1997477	.1317889
Stddev	.0040166	.0002151	.0012894	.12682	.0141636	.0003368
%RSD	.4265144	1.802350	24.32293	.5228898	7.090750	.2555570
#1	.9393425	.0121722	.0038123	24.20594	.2160410	.1314115
#2	.9394564	.0117578	.0060475	24.15705	.1928266	.1318966
#3	.9463556	.0118652	.0060438	24.39703	.1903754	.1320588
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3932757	277.5543	4.744033	57.21956	.2895692	-.013741
Stddev	.0096907	14.2884	.026399	.21049	.0010851	.001798
%RSD	2.464091	5.147977	.5564610	.3678602	.3747314	13.08689
#1	.3821315	294.0488	4.733908	57.26689	.2885498	-.015815
#2	.3979740	268.9794	4.724195	56.98944	.2894479	-.012617
#3	.3997217	269.6347	4.773995	57.40236	.2907098	-.012790
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.007109	.3111100	.6442053	20.14587	.2742946	.0038865
Stddev	.198549	.0035769	.0461190	1.01257	.0338568	.0001461
%RSD	4.954928	1.149725	7.159049	5.026175	12.34323	3.758386
#1	4.235434	.3081473	.6974375	21.31252	.3132432	.0040471
#2	3.874983	.3100991	.6188981	19.49558	.2518984	.0037617
#3	3.910910	.3150836	.6162804	19.62951	.2577422	.0038505

Sample Name: Q3397-01DUP Acquired: 10/21/2025 17:08:36 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.014132	3.788139	F 12.70390	5.745059	.9114756	.3233008
Stddev	.000851	.015956	.80776	.030677	.0049031	.0016211
%RSD	6.022898	.4212064	6.358330	.5339649	.5379319	.5014122
#1	-.013151	3.789541	13.62174	5.763501	.9058675	.3214398
#2	-.014563	3.771528	12.38862	5.709647	.9136075	.3240563
#3	-.014681	3.803347	12.10132	5.762030	.9149520	.3244061

Elem	Sr4077
Units	ppm
Avg	-.120613
Stddev	.013839
%RSD	11.47405
#1	-.136585
#2	-.113074
#3	-.112180

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6764.249	108707.6	9307.620	5169.158	6292.732
Stddev	21.625	5929.2	40.828	294.781	13.495
%RSD	.3196912	5.454263	.4386488	5.702683	.2144484
#1	6781.628	101861.8	9273.790	4828.825	6304.331
#2	6771.088	112051.0	9352.970	5334.276	6295.945
#3	6740.032	112210.1	9296.099	5344.374	6277.921

Sample Name: Q3397-01LX5 Acquired: 10/21/2025 17:12:40 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103818	.0023720	.0422335	-.000044	-.004616	30.13017	.1876792
Stddev	.0016524	.0014476	.0004070	.001758	.000546	.16376	.0026319
%RSD	15.91640	61.03006	.9637166	4006.002	11.82922	.5435223	1.402326
#1	.0116855	.0010005	.0422843	.001578	-.004156	30.14977	.1904095
#2	.0085234	.0022302	.0418035	.000202	-.005219	29.95749	.1851583
#3	.0109366	.0038853	.0426127	-.001912	-.004472	30.28325	.1874700
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025947	.0003355	6.322104	.0399210	.0224105	.0836627	54.13596
Stddev	.0000355	.0000046	.042468	.0002076	.0001770	.0002633	.19937
%RSD	1.369273	1.381038	.6717391	.5199213	.7897047	.3146775	.3682724
#1	.0025537	.0003408	6.322012	.0397416	.0222931	.0834076	54.19652
#2	.0026159	.0003322	6.279682	.0398730	.0226141	.0836469	53.91333
#3	.0026146	.0003335	6.364618	.0401483	.0223244	.0839334	54.29801
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.029177	11.99951	.0511158	-.002938	.9730847	.0663214	.1314457
Stddev	.003790	.07003	.0001495	.000137	.0159983	.0009879	.0004077
%RSD	.3682972	.5835971	.2924748	4.649801	1.644077	1.489608	.3101494
#1	1.032978	11.98980	.0510926	-.002790	.9549775	.0660438	.1318621
#2	1.025397	11.93484	.0509793	-.002966	.9789696	.0674184	.1314275
#3	1.029157	12.07388	.0512756	-.003058	.9853070	.0655019	.1310474
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.249401	.0255256	.0004456	-.013143	.8690626	2.526902	.9531209
Stddev	.057388	.0011432	.0001291	.000130	.0057463	.068409	.0046527
%RSD	1.350504	4.478790	28.96989	.9879237	.6612049	2.707234	.4881508
#1	4.187366	.0267598	.0003098	-.013204	.8756902	2.580325	.9478517
#2	4.260239	.0245029	.0005667	-.012994	.8660246	2.449799	.9566630
#3	4.300597	.0253139	.0004604	-.013231	.8654730	2.550581	.9548482

Sample Name: Q3397-01LX5 Acquired: 10/21/2025 17:12:40 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1856000	.0617764	-.017250
Stddev	.0045438	.0022296	.000331
%RSD	2.448143	3.609197	1.917828
#1	.1837756	.0635928	-.016959
#2	.1907724	.0624482	-.017182
#3	.1822520	.0592881	-.017610

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5983.604	99766.77	8025.417	4671.936	7022.039
Stddev	2.697	758.98	65.737	33.645	12.835
%RSD	.0450683	.7607506	.8191117	.7201500	.1827795
#1	5981.976	100032.1	8033.800	4678.029	7007.253
#2	5982.120	100357.5	8086.561	4702.118	7028.551
#3	5986.717	98910.8	7955.891	4635.661	7030.312

Sample Name: Q3397-01MS Acquired: 10/21/2025 17:16:49 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6342803	1.654121	1.074105	1.431569	.3368527	166.0915
Stddev	.0046768	.019251	.003811	.006047	.0057289	2.5247
%RSD	.7373425	1.163826	.3547991	.4223832	1.700724	1.520091

#1	.6289265	1.675728	1.070631	1.424673	.3306431	168.9693
#2	.6375697	1.638796	1.073503	1.434068	.3379824	164.2488
#3	.6363446	1.647838	1.078181	1.435966	.3419326	165.0564

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.213310	.1567459	.1818150	24.95683	.4979153	.3203779
Stddev	.021535	.0033651	.0004766	.40325	.0024362	.0011322
%RSD	1.774928	2.146883	.2621440	1.615799	.4892714	.3533977

#1	1.238123	.1605671	.1812671	25.41884	.4983871	.3190914
#2	1.199489	.1554460	.1821344	24.67557	.4952778	.3208201
#3	1.202318	.1542246	.1820434	24.77608	.5000811	.3212223

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6080936	277.4685	5.466530	64.12425	.7498262	.0406269
Stddev	.0015672	1.9428	.091978	1.28534	.0023042	.0008171
%RSD	.2577234	.7001983	1.682572	2.004456	.3073014	2.011303

#1	.6062972	276.7300	5.572725	65.59481	.7472127	.0401353
#2	.6091810	276.0031	5.412008	63.21519	.7507005	.0401752
#3	.6088027	279.6723	5.414858	63.56276	.7515652	.0415701

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.206384	.5480940	.8089512	30.04871	.4414837	.2985540
Stddev	.053343	.0104745	.0007893	.24670	.0095594	.0010171
%RSD	.8594934	1.911073	.0975679	.8209917	2.165285	.3406676

#1	6.174305	.5599743	.8088673	29.95556	.4320113	.2976510
#2	6.176886	.5401894	.8082073	29.86216	.4413120	.2996558
#3	6.267962	.5441184	.8097791	30.32842	.4511278	.2983553

Sample Name: Q3397-01MS Acquired: 10/21/2025 17:16:49 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5873346	4.274788	F 10.14851	F 10.54704	.9847444	.4762492
Stddev	.0018354	.048623	.13487	.01475	.0026738	.0044949
%RSD	.3124970	1.137433	1.328975	.1398625	.2715230	.9438048

#1	.5867985	4.330877	10.02550	10.53126	.9816642	.4811379
#2	.5858269	4.244589	10.12729	10.56047	.9861012	.4753147
#3	.5893783	4.248897	10.29273	10.54940	.9864677	.4722951

Elem	Sr4077
Units	ppm
Avg	.0316773
Stddev	.0057986
%RSD	18.30527

#1	.0381881
#2	.0297752
#3	.0270687

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6771.941	112751.7	9369.745	5234.950	6309.443
Stddev	10.932	393.1	179.200	14.370	15.147
%RSD	.1614275	.3486675	1.912535	.2745095	.2400699

#1	6783.323	112926.5	9165.680	5221.113	6322.362
#2	6770.977	113027.1	9442.106	5249.800	6313.196
#3	6761.523	112301.5	9501.450	5233.936	6292.773

Sample Name: Q3397-01MSD Acquired: 10/21/2025 17:20:47 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6369587	1.669264	1.085947	1.421703	.3372900	163.9676
Stddev	.0066831	.070290	.001446	.001833	.0027144	.6984
%RSD	1.049224	4.210827	.1331352	.1289634	.8047629	.4259673

#1	.6414195	1.713007	1.087496	1.421932	.3404045	164.4715
#2	.6292748	1.706601	1.085710	1.423411	.3354283	163.1704
#3	.6401818	1.588185	1.084634	1.419766	.3360371	164.2611

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.165278	.1597254	.1833695	24.97420	.4986577	.3221836
Stddev	.006661	.0000078	.0008155	.14797	.0015463	.0009437
%RSD	.5716347	.0048900	.4447282	.5924769	.3101005	.2928953

#1	1.167286	.1597190	.1842088	25.09197	.4969728	.3232152
#2	1.157844	.1597341	.1833194	24.80812	.5000121	.3219715
#3	1.170704	.1597231	.1825801	25.02251	.4989883	.3213640

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6034414	284.3066	5.192818	64.13527	.7592791	.0421120
Stddev	.0003315	1.1724	.032255	.34967	.0012517	.0003018
%RSD	.0549324	.4123835	.6211432	.5452051	.1648488	.7166302

#1	.6037472	284.3983	5.215435	64.37558	.7602257	.0421969
#2	.6030891	283.0911	5.155883	63.73412	.7597516	.0417768
#3	.6034879	285.4305	5.207135	64.29610	.7578599	.0423622

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.223922	.5561784	.7963208	30.12571	.4439873	.3015981
Stddev	.026704	.0032193	.0023258	.13797	.0053826	.0001649
%RSD	.4290583	.5788187	.2920730	.4579682	1.212337	.0546780

#1	6.224291	.5586699	.7936446	30.12418	.4454327	.3017798
#2	6.197036	.5525435	.7974642	29.98851	.4380295	.3015565
#3	6.250440	.5573218	.7978536	30.26443	.4484996	.3014579

Sample Name: Q3397-01MSD Acquired: 10/21/2025 17:20:47 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5978616	4.320281	F 10.76469	F 10.72582	.8903429	.4898968
Stddev	.0015719	.025364	.17890	.06909	.0083261	.0015438
%RSD	.2629247	.5870881	1.661894	.6441733	.9351568	.3151195

#1	.5995969	4.333291	10.96056	10.78892	.8990617	.4916496
#2	.5974548	4.291052	10.60993	10.73656	.8894921	.4893014
#3	.5965330	4.336500	10.72358	10.65199	.8824749	.4887395

Elem	Sr4077
Units	ppm
Avg	.0272172
Stddev	.0009941
%RSD	3.652385

#1	.0283331
#2	.0264262
#3	.0268923

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6821.414	112757.1	9335.731	5297.257	6303.809
Stddev	2.772	94.6	26.526	13.286	12.742
%RSD	.0406415	.0839037	.2841344	.2508069	.2021294

#1	6821.831	112809.0	9308.307	5312.545	6290.315
#2	6818.457	112647.9	9337.628	5290.725	6305.478
#3	6823.954	112814.3	9361.257	5288.502	6315.634

Sample Name: Q3397-01A Acquired: 10/21/2025 17:24:44 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6534809	1.660152	1.067693	1.504769	.6221831	131.2785
Stddev	.0018303	.051337	.000875	.004520	.0014971	.3766
%RSD	.2800786	3.092298	.0819959	.3003451	.2406147	.2868555
#1	.6542103	1.634277	1.068441	1.502854	.6230930	131.5891
#2	.6548339	1.626902	1.066730	1.501522	.6204553	130.8596
#3	.6513984	1.719278	1.067908	1.509930	.6230010	131.3868
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.008508	.1614296	.1807127	27.78716	.4670543	.2959716
Stddev	.005703	.0004743	.0003493	.03587	.0024288	.0002867
%RSD	.5654614	.2937785	.1933035	.1291032	.5200315	.0968617
#1	1.014867	.1619716	.1804827	27.81273	.4697941	.2960454
#2	1.003848	.1610912	.1811146	27.74616	.4662036	.2962141
#3	1.006808	.1612259	.1805407	27.80260	.4651653	.2956552
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5543090	241.5407	4.579466	52.62742	.7032567	.0453721
Stddev	.0010222	.9502	.010960	.03280	.0009194	.0003615
%RSD	.1844002	.3933787	.2393281	.0623182	.1307408	.7967306
#1	.5548402	242.6308	4.592120	52.66078	.7041875	.0457071
#2	.5531307	240.8878	4.572966	52.59522	.7032336	.0454203
#3	.5549562	241.1035	4.573311	52.62627	.7023491	.0449889
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.702572	.5127899	.7132402	26.77008	.4397877	.3229044
Stddev	.032438	.0005223	.0053092	.18177	.0034765	.0004284
%RSD	.5688336	.1018653	.7443792	.6790050	.7904985	.1326599
#1	5.727052	.5129300	.7193619	26.97162	.4437005	.3224102
#2	5.665781	.5132279	.7098933	26.61854	.4386080	.3231709
#3	5.714884	.5122117	.7104655	26.72007	.4370545	.3231320

Sample Name: Q3397-01A Acquired: 10/21/2025 17:24:44 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6262805	3.967126	F 13.10245	F 10.08436	.8567157	.4321044
Stddev	.0022294	.013538	.09850	.06950	.0070595	.0041225
%RSD	.3559672	.3412541	.7517527	.6891917	.8240236	.9540602

#1	.6286737	3.981893	13.09482	10.00739	.8503968	.4363791
#2	.6242627	3.955301	13.00800	10.10316	.8554153	.4317812
#3	.6259052	3.964185	13.20455	10.14253	.8643350	.4281531

Elem	Sr4077
Units	ppm
Avg	.0752637
Stddev	.0010107
%RSD	1.342938

#1	.0764028
#2	.0744740
#3	.0749142

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6691.165	110754.0	9127.711	5304.838	6382.024
Stddev	9.114	500.0	27.701	14.685	9.654
%RSD	.1362040	.4514669	.3034808	.2768269	.1512667

#1	6701.004	110274.4	9108.392	5289.748	6388.591
#2	6683.013	111272.2	9159.448	5305.682	6370.940
#3	6689.479	110715.4	9115.293	5319.082	6386.542

Sample Name: PB170192BL Acquired: 10/21/2025 17:28:42 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003502	.0000053	.0000055	.0001752	-.000545	.0081055
Stddev	.0014697	.0021643	.0008965	.0007500	.001170	.0067007
%RSD	419.7031	41009.56	16461.30	428.0715	214.9278	82.66813

#1	.0004793	-.000226	.0007857	.0006395	-.000265	.0156350
#2	.0017511	-.002034	.0002044	.0005761	.000461	.0058835
#3	-.001180	.002276	-.000974	-.000690	-.001830	.0027981

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004662	.0000633	-.000014	-.005205	.0000430	-.000109
Stddev	.000441	.0000233	.000037	.009781	.0001011	.000145
%RSD	9.454712	36.90414	265.9844	187.9169	235.0065	133.3773

#1	-.005156	.0000645	-.000020	-.011316	-.000035	-.000036
#2	-.004522	.0000393	-.000048	.006076	.000157	-.000276
#3	-.004309	.0000860	.000026	-.010374	.000007	-.000014

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002179	.0090931	-.000757	.0026533	.0000417	-.000131
Stddev	.0003139	.0014920	.000488	.0209079	.0001797	.000413
%RSD	144.0400	16.40778	64.51437	787.9945	430.7031	314.3879

#1	.0004558	.0095309	-.000262	-.010023	.0001925	-.000494
#2	-.000138	.0103171	-.000771	.026785	-.000157	.000318
#3	.000336	.0074312	-.001238	-.008802	.000090	-.000219

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1818969	-.000335	-.000157	.0556550	-.023498	-.000437
Stddev	.0205951	.000865	.000223	.0084168	.000589	.000062
%RSD	11.32243	258.0094	142.5085	15.12319	2.505285	14.13367

#1	.1663958	-.000703	.000059	.0511689	-.023113	-.000374
#2	.1740286	.000653	-.000142	.0504315	-.023205	-.000497
#3	.2052662	-.000955	-.000387	.0653645	-.024176	-.000442

Sample Name: PB170192BL Acquired: 10/21/2025 17:28:42 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.011688	.0014462	-.011553	.0004532	F .0157298	-.009177
Stddev	.000494	.0011622	.014149	.0015773	.0008798	.004933
%RSD	4.226028	80.35819	122.4716	348.0660	5.593074	53.75209

#1	-.011296	.0017823	.004298	.0021973	.0160850	-.013422
#2	-.012243	.0024033	-.016049	.0000353	.0147280	-.010345
#3	-.011525	.0001531	-.022907	-.000873	.0163765	-.003765

Elem	Sr4077
Units	ppm
Avg	-.000006
Stddev	.000019
%RSD	302.9459

#1	.000001
#2	-.000028
#3	.000008

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5745.917	96472.75	7468.942	4589.059	7472.133
Stddev	4.436	392.72	73.924	7.985	16.866
%RSD	.0772003	.4070747	.9897453	.1740020	.2257214

#1	5742.838	96284.03	7383.591	4594.602	7455.366
#2	5751.002	96924.21	7510.561	4592.668	7471.938
#3	5743.913	96210.02	7512.675	4579.907	7489.096

Sample Name: PB170192BS Acquired: 10/21/2025 17:33:01 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7341060	1.796765	.8728903	1.894876	.7651243	1.840105
Stddev	.0022879	.010099	.0009671	.007426	.0010634	.008950
%RSD	.3116634	.5620931	.1107950	.3919160	.1389860	.4863856
#1	.7365427	1.785146	.8718792	1.891874	.7660960	1.836126
#2	.7337718	1.801710	.8729851	1.889420	.7652887	1.833835
#3	.7320036	1.803440	.8738065	1.903333	.7639883	1.850355
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1790254	.1875706	.1720140	.9343956	.3722621	.1780799
Stddev	.0012400	.0007374	.0002013	.0161555	.0019060	.0003434
%RSD	.6926406	.3931441	.1169943	1.728979	.5120024	.1928231
#1	.1776033	.1867257	.1721709	.9306658	.3704851	.1783608
#2	.1798810	.1880848	.1720840	.9204312	.3742751	.1776971
#3	.1795919	.1879013	.1717871	.9520898	.3720261	.1781818
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2909647	2.764187	.1883217	1.837297	.4476580	.0668079
Stddev	.0000886	.011026	.0006918	.046880	.0010550	.0005385
%RSD	.0304584	.3988886	.3673440	2.551563	.2356802	.8060280
#1	.2909931	2.776651	.1881327	1.800368	.4464708	.0662140
#2	.2910355	2.760210	.1890883	1.821484	.4484884	.0672643
#3	.2908653	2.755702	.1877440	1.890038	.4480147	.0669454
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.793029	.2735773	.1905021	8.693762	.2527337	.3766962
Stddev	.012522	.0037920	.0006567	.052445	.0012768	.0003684
%RSD	.4483442	1.386074	.3447178	.6032534	.5052127	.0977995
#1	2.803360	.2754831	.1897446	8.720537	.2514976	.3762986
#2	2.779102	.2760383	.1909117	8.633333	.2540477	.3767642
#3	2.796626	.2692104	.1908499	8.727415	.2526557	.3770259

Sample Name: PB170192BS Acquired: 10/21/2025 17:33:01 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5954838	.1801292	.7983008	5.054426	F .0124861	.1747847
Stddev	.0025482	.0020136	.0059067	.019531	.0014235	.0036969
%RSD	.4279233	1.117862	.7399079	.3864159	11.40055	2.115099

#1	.5980478	.1778293	.8051132	5.075900	.0109042	.1751870
#2	.5954520	.1809840	.7951801	5.049659	.0136637	.1709031
#3	.5929517	.1815744	.7946089	5.037720	.0128904	.1782639

Elem	Sr4077
Units	ppm
Avg	.1801980
Stddev	.0005952
%RSD	.3303018

#1	.1808159
#2	.1796284
#3	.1801497

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5833.625	97504.50	7603.405	4547.512	7338.895
Stddev	5.920	264.78	43.261	37.801	4.259
%RSD	.1014880	.2715525	.5689632	.8312398	.0580272

#1	5837.159	97660.67	7641.285	4591.157	7335.357
#2	5836.926	97198.79	7556.264	4526.205	7337.706
#3	5826.790	97654.04	7612.665	4525.175	7343.621

Sample Name: CCV05 Acquired: 10/21/2025 17:37:02 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.897744	5.027411	4.784460	5.026489	5.028917	9.542710
Stddev	.015593	.025671	.004369	.027705	.016542	.035437
%RSD	.3183672	.5106169	.0913066	.5511840	.3289282	.3713559

#1	4.915658	5.053361	4.780726	5.057314	5.047477	9.582961
#2	4.890354	5.002028	4.783391	5.003665	5.015728	9.516202
#3	4.887220	5.026843	4.789264	5.018488	5.023546	9.528968

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.473177	2.339196	2.366262	23.76265	9.9639638	2.391349
Stddev	.043111	.0015805	.004833	.09417	.0001080	.003161
%RSD	.4550853	.6756602	.2042379	.3963047	.0112000	.1321642

#1	9.514803	2.357112	2.360928	23.85075	9.9638533	2.387877
#2	9.476008	2.333250	2.367507	23.77381	9.9640690	2.392112
#3	9.428720	2.327226	2.370350	23.66340	9.9639693	2.394058

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.222766	4.837056	2.362544	23.56058	2.388650	1.209460
Stddev	.002267	.010964	.011809	.09186	.003103	.001804
%RSD	.1854125	.2266575	.4998332	.3898989	.1299051	.1491980

#1	1.220711	4.828334	2.373096	23.66446	2.385346	1.210704
#2	1.222389	4.849364	2.364748	23.49006	2.389099	1.210285
#3	1.225198	4.833471	2.349789	23.52721	2.391503	1.207390

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.05586	2.393705	2.425461	23.65760	4.671826	4.890791
Stddev	.05450	.006291	.006604	.02595	.031241	.003593
%RSD	.2363853	.2627958	.2722639	.1096842	.6687118	.0734685

#1	23.00632	2.400348	2.428391	23.63080	4.707700	4.890481
#2	23.11424	2.392926	2.430093	23.65939	4.657175	4.887363
#3	23.04702	2.387840	2.417900	23.68261	4.650603	4.894530

Sample Name: CCV05 Acquired: 10/21/2025 17:37:02 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.755388	4.765126	4.911614	4.794664	4.854642	F 4.482659
Stddev	.008461	.021198	.016386	.022613	.004008	.027192
%RSD	.1779271	.4448542	.3336217	.4716241	.0825608	.6065933
#1	4.749552	4.788045	4.920436	4.770096	4.856753	4.507793
#2	4.751521	4.761110	4.921699	4.814606	4.850020	4.486389
#3	4.765092	4.746224	4.892707	4.799292	4.857154	4.453795
Elem	Sr4077					
Units	ppm					
Avg	4.761058					
Stddev	.147160					
%RSD	3.090905					
#1	4.928836					
#2	4.700491					
#3	4.653847					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	5600.145	93477.38	7615.844	4358.054	6539.855	
Stddev	5.618	209.98	60.530	10.203	11.253	
%RSD	.1003237	.2246346	.7947940	.2341162	.1720656	
#1	5605.873	93236.41	7547.672	4355.633	6552.572	
#2	5599.919	93621.15	7636.578	4349.280	6535.808	
#3	5594.644	93574.59	7663.283	4369.250	6531.186	

Sample Name: CCB05 Acquired: 10/21/2025 17:41:04 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004961	.0020716	.0000921	.0009185	.0003499	.0160656
Stddev	.0019198	.0008313	.0006567	.0002910	.0009501	.0084356
%RSD	386.9614	40.12861	712.7069	31.68450	271.5357	52.50709

#1	-.001565	.0027278	.0005094	.0011535	-.000291	.0130035
#2	.000819	.0011368	.0004319	.0010089	-.000100	.0095887
#3	.002234	.0023502	-.000665	.0005930	.001441	.0256045

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004162	.0000254	-.000074	.0074142	-.000153	-.000079
Stddev	.000443	.0000252	.000009	.0168297	.000214	.000023
%RSD	10.63863	98.99537	12.51884	226.9916	139.7063	28.99306

#1	-.004398	.0000311	-.000085	.0243145	.000036	-.000105
#2	-.004437	.0000473	-.000071	-.009344	-.000110	-.000072
#3	-.003651	-.000002	-.000067	.007272	-.000385	-.000060

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002471	.0060405	-.000041	-.023207	-.000043	-.000207
Stddev	.0003440	.0019153	.000208	.022126	.000103	.000155
%RSD	139.2489	31.70851	506.4686	95.34296	241.3601	75.07300

#1	.0004167	.0043210	-.000026	-.026351	-.000083	-.000028
#2	-.000149	.0081048	.000159	.000323	.000074	-.000290
#3	.000473	.0056956	-.000256	-.043592	-.000119	-.000303

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1130142	.0004551	.0003980	.0662729	-.017649	.0000897
Stddev	.0133090	.0013373	.0001824	.0469872	.000304	.0000432
%RSD	11.77644	293.8513	45.82987	70.89961	1.724188	48.13111

#1	.1008709	.0018884	.0001902	.0163336	-.017412	.0001119
#2	.1109289	-.000759	.0005315	.0728754	-.017544	.0001172
#3	.1272428	.000236	.0004725	.1096096	-.017992	.0000399

Sample Name: CCB05 Acquired: 10/21/2025 17:41:04 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.012640	.0007573	-.014232	.0022059	F .0123004	-.007739
Stddev	.000505	.0010370	.015662	.0010858	.0012557	.002993
%RSD	3.995744	136.9334	110.0510	49.22315	10.20897	38.67251

#1	-.012220	.0017653	.003408	.0011704	.0131351	-.009483
#2	-.012501	-.000306	-.026506	.0021115	.0108563	-.009451
#3	-.013200	.000813	-.019597	.0033359	.0129099	-.004283

Elem	Sr4077
Units	ppm
Avg	.0000872
Stddev	.0000622
%RSD	71.31294

#1	.0001556
#2	.0000721
#3	.0000340

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5806.527	97324.46	7505.620	4547.075	7605.380
Stddev	5.126	217.21	205.848	34.040	3.521
%RSD	.0882816	.2231795	2.742581	.7486097	.0463022

#1	5801.845	97434.69	7270.919	4543.018	7603.099
#2	5805.732	97074.24	7655.526	4515.245	7603.605
#3	5812.005	97464.46	7590.414	4582.961	7609.435

Sample Name: Q3365-01 Acquired: 10/21/2025 17:45:23 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0458830	-.003676	.0238254	.0023201	.0059661	11.27633
Stddev	.0029585	.001467	.0023202	.0020257	.0037077	.08046
%RSD	6.447877	39.89573	9.738185	87.31040	62.14560	.7135400

#1	.0489638	-.005003	.0212604	.0028073	.0056535	11.20571
#2	.0456208	-.003925	.0244382	.0040578	.0098202	11.36392
#3	.0430643	-.002101	.0257777	.0000952	.0024247	11.25934

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3382388	.0008145	.0267162	313.0686	.0163403	.0112661
Stddev	.0021651	.0000096	.0001597	.9376	.0008048	.0002353
%RSD	.6401204	1.173279	.5975822	.2994847	4.925190	2.088156

#1	.3372716	.0008099	.0265741	312.3204	.0171192	.0109996
#2	.3407190	.0008255	.0268890	314.1203	.0155119	.0114447
#3	.3367260	.0008081	.0266857	312.7649	.0163897	.0113542

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1328502	49.35990	2.285715	45.62166	.0360480	-.000773
Stddev	.0005671	.12759	.016819	.06053	.0004094	.000473
%RSD	.4268852	.2584870	.7358284	.1326765	1.135590	61.09822

#1	.1333336	49.31518	2.266398	45.57548	.0364973	-.000962
#2	.1329911	49.50382	2.297115	45.59933	.0359501	-.000236
#3	.1322259	49.26068	2.293630	45.69019	.0356964	-.001123

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4278.177	.0311330	1.135927	66.15730	.1946438	.0198009
Stddev	49.052	.0031163	.004747	.70729	.0005452	.0001769
%RSD	1.146556	10.00952	.4178630	1.069100	.2800994	.8933709

#1	4333.306	.0279781	1.136053	65.36581	.1950564	.0199663
#2	4261.868	.0312120	1.140610	66.37864	.1948493	.0196144
#3	4239.357	.0342091	1.131119	66.72745	.1940257	.0198218

Sample Name: Q3365-01 Acquired: 10/21/2025 17:45:23 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.036522	.5363999	F 36.01516	1.170745	F 152.5485	.1528312
Stddev	.000723	.0084995	.17973	.003277	.6105	.0029423
%RSD	1.979882	1.584539	.4990396	.2798815	.4001945	1.925185

#1	-.037341	.5453809	36.22221	1.174417	152.7177	.1496018
#2	-.036250	.5284820	35.92397	1.169701	153.0565	.1535320
#3	-.035974	.5353368	35.89931	1.168118	151.8712	.1553599

Elem	Sr4077
Units	ppm
Avg	1.438551
Stddev	.011318
%RSD	.7867491

#1	1.427957
#2	1.450475
#3	1.437221

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4361.410	72121.09	7241.082	3429.751	4374.566
Stddev	15.527	285.51	8.871	26.510	15.306
%RSD	.3560087	.3958697	.1225048	.7729527	.3498772

#1	4349.307	71847.11	7236.062	3425.200	4364.054
#2	4356.006	72416.87	7251.324	3405.811	4367.519
#3	4378.917	72099.29	7235.859	3458.243	4392.126

Sample Name: Q3365-02 Acquired: 10/21/2025 17:49:40 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0269111	-.015814	.0137467	.0037379	-.002898	3.414651
Stddev	.0040761	.003790	.0008441	.0034257	.001422	.055252
%RSD	15.14639	23.96668	6.140182	91.64724	49.07730	1.618080

#1	.0279159	-.011683	.0145047	-.000078	-.002915	3.388350
#2	.0303907	-.016630	.0128371	.004743	-.001467	3.478140
#3	.0224266	-.019130	.0138982	.006549	-.004312	3.377463

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2519819	.0025727	.0078602	232.8615	-.013913	.0115569
Stddev	.0025911	.0000694	.0005189	2.3626	.000102	.0003772
%RSD	1.028285	2.697380	6.601867	1.014602	.7325590	3.263700

#1	.2508576	.0025993	.0074283	230.8044	-.013982	.0115595
#2	.2549453	.0026249	.0077164	235.4419	-.013796	.0111784
#3	.2501429	.0024940	.0084358	232.3382	-.013961	.0119328

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0780634	208.3505	2.105519	30.80407	.0270625	-.005669
Stddev	.0046393	2.0221	.022710	.33848	.0009658	.000348
%RSD	5.943014	.9705076	1.078600	1.098800	3.568743	6.142201

#1	.0731211	210.5607	2.085421	30.44434	.0261887	-.006032
#2	.0787448	207.8974	2.130156	31.11627	.0268995	-.005338
#3	.0823244	206.5935	2.100979	30.85160	.0280995	-.005635

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 3423.793	.0129574	.4092869	53.71911	.3728293	.0169272
Stddev	60.913	.0010797	.0041786	.27050	.0114318	.0003317
%RSD	1.779105	8.332650	1.020943	.5035387	3.066225	1.959825

#1	3468.811	.0121724	.4141030	53.95814	.3858330	.0167619
#2	3448.086	.0125110	.4071337	53.42548	.3682930	.0167106
#3	3354.482	.0141887	.4066242	53.77372	.3643618	.0173091

Sample Name: Q3365-02 Acquired: 10/21/2025 17:49:40 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.039073	.1391794	F 18.38294	1.247631	F 103.1829	.1188552
Stddev	.000293	.0043673	.24964	.017816	1.6133	.0060404
%RSD	.7508996	3.137887	1.357987	1.427982	1.563575	5.082146

#1	-.039263	.1392511	18.63239	1.229525	101.9947	.1258194
#2	-.039221	.1435104	18.38330	1.248226	102.5344	.1157068
#3	-.038735	.1347767	18.13312	1.265142	105.0196	.1150394

Elem	Sr4077
Units	ppm
Avg	.9210925
Stddev	.0090151
%RSD	.9787357

#1	.9118069
#2	.9298102
#3	.9216605

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4423.009	73122.72	7309.827	3455.831	4566.213
Stddev	54.276	845.64	94.813	28.000	53.818
%RSD	1.227133	1.156472	1.297063	.8102108	1.178612

#1	4468.604	72311.95	7377.560	3426.340	4616.613
#2	4437.451	73056.83	7201.471	3459.103	4572.495
#3	4362.973	73999.39	7350.450	3482.051	4509.529

Sample Name: Q3365-03 Acquired: 10/21/2025 17:53:57 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002108	-.000340	-.000807	.0008359	.0038630	.0280196
Stddev	.002641	.001249	.001093	.0010698	.0022658	.0097483
%RSD	125.2919	367.9635	135.3445	127.9696	58.65404	34.79086

#1	-.003388	-.001711	-.000095	.0016729	.0064788	.0260169
#2	.000929	-.000043	-.002065	.0012043	.0025998	.0194282
#3	-.003866	.000735	-.000261	-.000369	.0025103	.0386136

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0464135	-.000162	-.000173	213.9196	.0007545	-.000411
Stddev	.0021192	.000030	.000036	3.0358	.0000874	.000171
%RSD	4.565936	18.55738	20.55172	1.419132	11.58890	41.57630

#1	.0469873	-.000129	-.000201	214.6485	.0006598	-.000375
#2	.0440665	-.000168	-.000184	210.5857	.0008322	-.000261
#3	.0481868	-.000188	-.000133	216.5246	.0007714	-.000597

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0421932	.0844972	.0134427	76.99581	.0028620	-.000701
Stddev	.0001780	.0009920	.0003963	1.08137	.0005187	.000472
%RSD	.4219095	1.174062	2.948176	1.404457	18.12333	67.39330

#1	.0421411	.0854422	.0134275	77.18901	.0025045	-.000226
#2	.0420471	.0845853	.0130543	75.83086	.0034569	-.001171
#3	.0423915	.0834640	.0138465	77.96757	.0026245	-.000706

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	94.85145	-.000037	.0129152	8.244184	.0575857	.0061536
Stddev	.42404	.004571	.0001890	.063941	.0006572	.0003231
%RSD	.4470598	12274.58	1.463608	.7755888	1.141284	5.250244

#1	95.29295	-.004954	.0130631	8.317701	.0573643	.0062626
#2	94.81407	.000758	.0129803	8.213333	.0570678	.0057901
#3	94.44734	.004084	.0127023	8.201518	.0583250	.0064081

Sample Name: Q3365-03 Acquired: 10/21/2025 17:53:57 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.039275	-.007292	F 22.42471	.0121431	F 14.18041	.0735525
Stddev	.000354	.000738	.05835	.0020356	.03298	.0034306
%RSD	.9023113	10.12322	.2601876	16.76333	.2325962	4.664083
#1	-.039655	-.008053	22.43933	.0117865	14.14750	.0704440
#2	-.038953	-.007243	22.47436	.0143335	14.18027	.0772332
#3	-.039218	-.006580	22.36044	.0103094	14.21347	.0729803
Elem	Sr4077					
Units	ppm					
Avg	.4462603					
Stddev	.0063087					
%RSD	1.413688					
#1	.4496336					
#2	.4389821					
#3	.4501653					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	5331.255	91089.39	7658.709	4160.089	6328.018	
Stddev	19.456	124.07	121.350	10.827	32.418	
%RSD	.3649459	.1362081	1.584474	.2602511	.5122860	
#1	5318.440	91227.26	7664.005	4164.288	6310.296	
#2	5321.682	91054.18	7777.324	4168.188	6308.325	
#3	5353.643	90986.73	7534.797	4147.792	6365.433	

Sample Name: Q3365-04 Acquired: 10/21/2025 17:58:11 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003592	-.001956	-.000089	.0019278	.0031183	.0355133
Stddev	.001216	.001667	.000475	.0019909	.0004258	.0108358
%RSD	33.86113	85.22677	532.4270	103.2721	13.65572	30.51199

#1	-.004099	-.000058	-.000631	.0033795	.0028726	.0240952
#2	-.002204	-.003181	.000108	-.000342	.0028723	.0456536
#3	-.004472	-.002629	.000255	.002746	.0036100	.0367913

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0856082	-.000201	-.000030	187.9811	.0010403	.0025162
Stddev	.0015233	.000056	.000054	1.2787	.0003273	.0001669
%RSD	1.779385	27.55908	180.3987	.6802293	31.46538	6.633535

#1	.0865751	-.000263	.000012	189.3125	.0008096	.0026052
#2	.0838522	-.000155	-.000090	186.7626	.0014149	.0026196
#3	.0863973	-.000186	-.000011	187.8681	.0008964	.0023236

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1271316	.0440514	.9017756	58.77241	.0149511	-.000543
Stddev	.0009551	.0032785	.0039422	.51953	.0004974	.000095
%RSD	.7512784	7.442501	.4371602	.8839737	3.326871	17.59623

#1	.1276966	.0449522	.9049576	59.36871	.0145623	-.000579
#2	.1276694	.0467853	.8973655	58.41737	.0155116	-.000615
#3	.1260289	.0404166	.9030037	58.53116	.0147794	-.000434

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	252.8404	-.001320	.2036555	9.949887	.0913516	.0076786
Stddev	2.1800	.002038	.0010061	.169373	.0016948	.0000990
%RSD	.8622088	154.4165	.4940022	1.702261	1.855262	1.289782

#1	255.2566	-.003453	.2031524	9.779004	.0929594	.0077904
#2	251.0209	-.001113	.2030002	9.952948	.0895815	.0076436
#3	252.2436	.000607	.2048139	10.11771	.0915140	.0076018

Sample Name: Q3365-04 Acquired: 10/21/2025 17:58:11 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.039087	-.005853	F 21.29341	.0123313	9.954892	.0630075
Stddev	.000661	.000433	.14524	.0015344	.078895	.0032213
%RSD	1.690823	7.397525	.6820772	12.44311	.7925201	5.112615

#1	-.039107	-.006243	21.12571	.0140949	9.965114	.0593250
#2	-.039738	-.005387	21.37569	.0113022	9.871384	.0643951
#3	-.038417	-.005929	21.37882	.0115968	10.02818	.0653026

Elem	Sr4077
Units	ppm
Avg	.4069392
Stddev	.0019749
%RSD	.4853067

#1	.4075331
#2	.4047355
#3	.4085490

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5330.383	89405.50	7867.899	4082.104	6240.234
Stddev	23.060	286.32	110.465	3.482	21.712
%RSD	.4326204	.3202481	1.403993	.0852996	.3479369

#1	5321.783	89707.04	7743.973	4081.574	6232.489
#2	5312.860	89372.15	7956.018	4078.918	6223.457
#3	5356.508	89137.33	7903.706	4085.821	6264.757

Sample Name: Q3365-05 Acquired: 10/21/2025 18:02:31 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000882	-.000412	-.001418	.0028477	.0045131	.0318582
Stddev	.001695	.001503	.001829	.0049585	.0003820	.0050434
%RSD	192.1731	365.0673	128.9814	174.1248	8.463857	15.83068
#1	-.000259	.000902	.000642	-.002734	.0045575	.0348270
#2	-.002801	-.000086	-.002851	.004534	.0048709	.0347125
#3	.000414	-.002051	-.002043	.006743	.0041108	.0260350
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1663795	-.000221	-.000011	193.1928	.0008057	.0012270
Stddev	.0013631	.000013	.000017	.8361	.0000787	.0001728
%RSD	.8192787	6.057257	152.3956	.4327620	9.768343	14.07892
#1	.1674107	-.000205	-.000030	194.1377	.0008948	.0013589
#2	.1668936	-.000229	-.000003	192.8919	.0007767	.0012907
#3	.1648341	-.000227	.000000	192.5489	.0007457	.0010315
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0840205	.0671678	1.075986	71.67785	.0051653	-.000545
Stddev	.0002253	.0025667	.011403	.11856	.0004479	.000095
%RSD	.2681631	3.821297	1.059811	.1654015	8.670505	17.38369
#1	.0842510	.0667735	1.088394	71.74526	.0050795	-.000471
#2	.0840099	.0648211	1.073600	71.74734	.0056499	-.000511
#3	.0838007	.0699088	1.065964	71.54096	.0047666	-.000651
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	318.3760	-.002151	.0679139	7.478414	.0638621	.0054785
Stddev	4.5173	.001253	.0004660	.065520	.0011437	.0003106
%RSD	1.418854	58.24509	.6861355	.8761251	1.790891	5.669530
#1	318.3235	-.001872	.0675563	7.508000	.0648754	.0051200
#2	322.9192	-.003520	.0677446	7.523925	.0640889	.0056486
#3	313.8851	-.001061	.0684409	7.403319	.0626220	.0056668

Sample Name: Q3365-05 Acquired: 10/21/2025 18:02:31 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.039621	-.007412	F 18.33529	.0122598	F 17.67523	.0599498
Stddev	.000285	.000652	.01940	.0010563	.17943	.0057882
%RSD	.7198008	8.799301	.1058306	8.615920	1.015134	9.655130

#1	-.039769	-.006665	18.35752	.0134500	17.75093	.0583596
#2	-.039800	-.007868	18.32663	.0114339	17.80439	.0551229
#3	-.039292	-.007703	18.32172	.0118954	17.47035	.0663669

Elem	Sr4077
Units	ppm
Avg	.4316877
Stddev	.0042790
%RSD	.9912342

#1	.4357955
#2	.4320118
#3	.4272559

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5159.670	87179.43	7598.530	4052.236	6021.791
Stddev	5.690	298.18	34.762	10.742	5.004
%RSD	.1102857	.3420356	.4574862	.2650854	.0830911

#1	5153.184	87247.68	7580.575	4058.089	6018.317
#2	5163.822	86853.04	7576.417	4039.838	6027.526
#3	5162.005	87437.58	7638.598	4058.779	6019.531

Sample Name: Q3370-01 Acquired: 10/21/2025 18:06:51 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002351	-.003946	-.000235	.0056557	.0036414	1.325892
Stddev	.002466	.000926	.000438	.0026689	.0005996	.012298
%RSD	104.8663	23.46071	186.4222	47.19024	16.46477	.9275348

#1	-.000617	-.003236	-.000287	.0048404	.0036827	1.314582
#2	-.001263	-.004993	.000227	.0086372	.0030223	1.324110
#3	-.005174	-.003609	-.000645	.0034895	.0042192	1.338984

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0477002	-.000121	-.000077	50.17864	.0303517	.0000090
Stddev	.0018638	.000040	.000019	.29537	.0001590	.0000828
%RSD	3.907274	33.40495	24.99333	.5886436	.5239154	921.2791

#1	.0493148	-.000122	-.000092	50.51155	.0303663	.0000903
#2	.0481252	-.000160	-.000083	50.07642	.0301859	.0000120
#3	.0456607	-.000080	-.000055	49.94795	.0305029	-.000075

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0353789	.3689994	.0212408	17.23545	.0338537	-.000447
Stddev	.0002164	.0076244	.0007067	.09496	.0002113	.000248
%RSD	.6116918	2.066238	3.326949	.5509484	.6242152	55.42028

#1	.0355496	.3602260	.0220551	17.33102	.0336111	-.000301
#2	.0354517	.3740202	.0208785	17.23420	.0339530	-.000308
#3	.0351355	.3727521	.0207887	17.14112	.0339971	-.000734

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	202.9877	-.001099	1.321884	23.43856	.6357199	.0022949
Stddev	1.0506	.001855	.002596	.11413	.0086634	.0001505
%RSD	.5175571	168.8910	.1963745	.4869525	1.362772	6.557964

#1	203.8457	-.000977	1.323682	23.32588	.6444774	.0021999
#2	201.8160	.000693	1.318908	23.43570	.6355286	.0024684
#3	203.3014	-.003012	1.323061	23.55409	.6271538	.0022164

Sample Name: Q3370-01 Acquired: 10/21/2025 18:06:51 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.028626	-.000769	4.116180	1.090323	F 102.2481	.0062403
Stddev	.000237	.002297	.030201	.002539	.3184	.0019052
%RSD	.8275428	298.5733	.7337153	.2328457	.3114039	30.53032

#1	-.028409	-.000420	4.081542	1.087973	101.8862	.0067668
#2	-.028879	.001333	4.129998	1.093016	102.4852	.0078268
#3	-.028591	-.003222	4.137000	1.089978	102.3729	.0041272

Elem	Sr4077
Units	ppm
Avg	.2552686
Stddev	.0019809
%RSD	.7759933

#1	.2575358
#2	.2543970
#3	.2538730

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5499.614	93374.54	7850.058	4366.949	6541.709
Stddev	13.438	128.30	66.381	14.838	19.344
%RSD	.2443394	.1374086	.8456060	.3397695	.2957032

#1	5493.165	93514.03	7778.181	4375.138	6524.425
#2	5490.616	93348.01	7862.939	4375.886	6538.097
#3	5515.061	93261.57	7909.055	4349.821	6562.604

Sample Name: Q3370-01DUP Acquired: 10/21/2025 18:11:10 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003956	-.003508	.0007579	.0042311	.0030464	1.311242
Stddev	.002364	.002131	.0012534	.0010317	.0000881	.000515
%RSD	59.75351	60.73599	165.3778	24.38432	2.891411	.0392702
#1	-.001416	-.001076	.0021872	.0036171	.0030365	1.311654
#2	-.006092	-.005045	-.000154	.0036540	.0029638	1.310665
#3	-.004360	-.004404	.000240	.0054222	.0031391	1.311408
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0455746	-.000101	-.000091	49.29403	.0306258	.0000642
Stddev	.0029768	.000091	.000089	.21084	.0002885	.0002661
%RSD	6.531655	90.15978	98.50062	.4277117	.9419366	414.7933
#1	.0443114	.000004	-.000184	49.17600	.0307050	-.000214
#2	.0434377	-.000156	-.000082	49.16865	.0303060	.000316
#3	.0489747	-.000153	-.000006	49.53745	.0308664	.000091
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0352056	.3669956	.0199769	16.98159	.0345469	-.000503
Stddev	.0000744	.0060562	.0003276	.06971	.0002237	.000147
%RSD	.2112653	1.650221	1.639733	.4105137	.6474025	29.22817
#1	.0352900	.3737917	.0203368	16.91049	.0347958	-.000666
#2	.0351493	.3650251	.0198977	16.98447	.0343628	-.000462
#3	.0351776	.3621700	.0196962	17.04982	.0344821	-.000380
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	195.1950	-.002866	1.334297	23.04781	.6310087	.0025222
Stddev	2.4829	.002018	.003787	.19326	.0036959	.0000315
%RSD	1.271985	70.42044	.2838154	.8385233	.5857166	1.250604
#1	197.5878	-.002474	1.338657	23.23195	.6267526	.0024860
#2	192.6310	-.005051	1.332408	22.84656	.6328646	.0025369
#3	195.3664	-.001072	1.331826	23.06491	.6334089	.0025437

Sample Name: Q3370-01DUP Acquired: 10/21/2025 18:11:10 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.028573	-.000366	4.103174	1.090305	F 102.6306	.0053710
Stddev	.001499	.000853	.014882	.006703	.5109	.0017638
%RSD	5.245822	232.6597	.3626860	.6147770	.4977754	32.83898
#1	-.028774	-.000558	4.115940	1.095030	102.4136	.0036261
#2	-.029961	-.001107	4.086830	1.093251	103.2141	.0071531
#3	-.026984	.000566	4.106753	1.082633	102.2640	.0053338

Elem	Sr4077
Units	ppm
Avg	.2471331
Stddev	.0008964
%RSD	.3627230
#1	.2474319
#2	.2461254
#3	.2478419

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5509.287	93020.97	7953.330	4291.215	6576.201
Stddev	6.164	482.51	35.920	13.156	16.091
%RSD	.1118767	.5187115	.4516321	.3065817	.2446838
#1	5513.252	92585.16	7991.470	4279.049	6568.398
#2	5502.186	93539.49	7948.375	4305.177	6565.499
#3	5512.423	92938.26	7920.144	4289.419	6594.706

Sample Name: Q3370-01LX5 Acquired: 10/21/2025 18:15:26 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000212	.0015263	-.000381	.0017329	.0001734	.2745232
Stddev	.000694	.0029433	.000847	.0026355	.0011461	.0061655
%RSD	326.5792	192.8390	222.5507	152.0839	661.0092	2.245895

#1	.000460	.0045311	-.000950	-.000705	.0013757	.2680374
#2	-.000171	-.001351	-.000785	.001374	-.000907	.2752235
#3	-.000926	.001399	.000593	.004529	.000051	.2803086

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067725	.0000828	-.000042	10.29287	.0058931	-.000182
Stddev	.0011047	.0000242	.000014	.00936	.0001645	.000120
%RSD	16.31095	29.16954	32.57515	.0909012	2.790817	66.00678

#1	.0070805	.0000962	-.000037	10.29211	.0060046	-.000317
#2	.0055466	.0000973	-.000032	10.28392	.0059703	-.000083
#3	.0076906	.0000549	-.000058	10.30259	.0057042	-.000148

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074893	.0715947	.0042491	3.527452	.0067984	-.000548
Stddev	.0001226	.0050673	.0003874	.031355	.0000913	.000292
%RSD	1.636987	7.077738	9.116408	.8888963	1.343683	53.32662

#1	.0073887	.0746540	.0044735	3.562294	.0068294	-.000267
#2	.0076258	.0743846	.0038018	3.518557	.0068702	-.000850
#3	.0074533	.0657456	.0044721	3.501505	.0066956	-.000526

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.88751	.0012094	.2677877	6.030667	.1272437	.0000348
Stddev	.28368	.0027035	.0004977	.025235	.0018112	.0000466
%RSD	.6937945	223.5428	.1858522	.4184372	1.423432	133.9984

#1	41.18104	.0032826	.2677827	6.025589	.1269128	.0000878
#2	40.86667	-.001848	.2672926	6.058054	.1256207	.0000002
#3	40.61484	.002194	.2682879	6.008357	.1291975	.0000164

Sample Name: Q3370-01LX5 Acquired: 10/21/2025 18:15:26 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.014975	.0011021	.7824519	.2151348	F 20.86338	.0242365
Stddev	.000735	.0014098	.0140099	.0003676	.07317	.0047604
%RSD	4.908607	127.9188	1.790517	.1708676	.3507261	19.64128
#1	-.015443	.0027236	.7975276	.2147109	20.88485	.0273541
#2	-.014128	.0004160	.7698325	.2153657	20.92341	.0265982
#3	-.015354	.0001666	.7799957	.2153278	20.78187	.0187570
Elem	Sr4077					
Units	ppm					
Avg	.0514354					
Stddev	.0001990					
%RSD	.3869950					
#1	.0512697					
#2	.0513803					
#3	.0516562					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	5828.132	98668.32	7914.926	4521.172	7243.860	
Stddev	18.526	316.98	21.299	16.257	21.490	
%RSD	.3178705	.3212541	.2691016	.3595759	.2966600	
#1	5810.006	98360.56	7911.978	4505.471	7224.785	
#2	5827.356	98650.63	7937.546	4520.111	7239.653	
#3	5847.033	98993.77	7895.255	4537.933	7267.142	

Sample Name: Q3370-01MS Acquired: 10/21/2025 18:19:41 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7640551	1.655656	.8458001	1.915778	.7929658	3.182036
Stddev	.0042607	.049790	.0043723	.003059	.0022569	.016472
%RSD	.5576417	3.007257	.5169476	.1596678	.2846170	.5176555
#1	.7608551	1.669205	.8431455	1.917547	.7954190	3.194134
#2	.7624188	1.600494	.8434081	1.912246	.7909775	3.163277
#3	.7688913	1.697269	.8508465	1.917542	.7925010	3.188697
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2297730	.1718345	.1758207	51.99686	.4032578	.1830785
Stddev	.0003536	.0015980	.0008280	.11340	.0016875	.0004668
%RSD	.1538995	.9299948	.4709124	.2180917	.4184553	.2549931
#1	.2296605	.1705870	.1749398	52.11136	.4052042	.1825537
#2	.2294893	.1736358	.1759392	51.88459	.4023631	.1832342
#3	.2301692	.1712807	.1765830	51.99463	.4022062	.1834475
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3142038	3.320769	.2019862	19.37508	.4883064	.0664505
Stddev	.0005701	.039220	.0005558	.10975	.0017294	.0004021
%RSD	.1814557	1.181057	.2751701	.5664407	.3541553	.6051208
#1	.3140026	3.334961	.2014212	19.28489	.4863722	.0660014
#2	.3148472	3.276429	.2025323	19.34308	.4888438	.0667770
#3	.3137614	3.350919	.2020051	19.49727	.4897033	.0665732
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	204.1070	.2786693	1.553650	33.28025	.8927916	.4105293
Stddev	3.6690	.0009935	.003657	.41323	.0114760	.0009147
%RSD	1.797602	.3565259	.2354043	1.241681	1.285402	.2228002
#1	208.3140	.2776626	1.554017	33.67479	.8824040	.4094972
#2	202.4364	.2796491	1.557110	32.85056	.9051108	.4108510
#3	201.5705	.2786962	1.549823	33.31538	.8908600	.4112396

Sample Name: Q3370-01MS Acquired: 10/21/2025 18:19:41 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6095755	.1814879	5.096193	6.378145	F 106.0663	.1785345
Stddev	.0022510	.0026939	.085979	.046006	.4975	.0031135
%RSD	.3692707	1.484338	1.687128	.7213137	.4690608	1.743940

#1	.6074659	.1802663	5.169618	6.350309	105.9819	.1774433
#2	.6093154	.1845761	5.001610	6.352878	105.6163	.1820467
#3	.6119453	.1796211	5.117351	6.431248	106.6006	.1761134

Elem	Sr4077
Units	ppm
Avg	.4360897
Stddev	.0016885
%RSD	.3871967

#1	.4374948
#2	.4342165
#3	.4365579

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5482.828	93226.87	7890.777	4320.430	6547.123
Stddev	17.380	499.39	45.740	10.020	28.631
%RSD	.3169916	.5356709	.5796670	.2319278	.4373085

#1	5502.755	92658.18	7911.296	4310.957	6578.461
#2	5474.922	93593.87	7838.370	4319.414	6540.572
#3	5470.806	93428.57	7922.664	4330.920	6522.334

Sample Name: Q3370-01MSD Acquired: 10/21/2025 18:23:45 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7667624	1.633466	.8531688	1.921143	.7988846	3.170325
Stddev	.0014001	.014386	.0017267	.003663	.0023301	.009279
%RSD	.1825969	.8806923	.2023906	.1906693	.2916658	.2926677

#1	.7661681	1.648198	.8538004	1.925291	.7962783	3.163121
#2	.7657576	1.632746	.8512152	1.918353	.8007664	3.180795
#3	.7683617	1.619453	.8544909	1.919785	.7996091	3.167059

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2344598	.1747313	.1770307	51.20708	.4004699	.1844824
Stddev	.0024544	.0015451	.0000876	.12093	.0011024	.0003918
%RSD	1.046847	.8843012	.0494571	.2361606	.2752797	.2123676

#1	.2319073	.1730794	.1769622	51.06913	.4004215	.1840304
#2	.2368028	.1761412	.1770005	51.29478	.4015958	.1846924
#3	.2346693	.1749732	.1771293	51.25735	.3993926	.1847245

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3157735	3.362567	.2078139	19.14072	.4903608	.0670784
Stddev	.0007959	.008658	.0023788	.10476	.0008458	.0005640
%RSD	.2520355	.2574858	1.144687	.5473151	.1724915	.8407373

#1	.3151852	3.362650	.2050676	19.03164	.4898825	.0674344
#2	.3166790	3.353867	.2092346	19.24055	.4898625	.0673727
#3	.3154562	3.371183	.2091396	19.14998	.4913374	.0664282

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	203.5253	.2844435	1.521824	32.87248	.8903170	.4111633
Stddev	.5339	.0014433	.005527	.01781	.0050560	.0005809
%RSD	.2623494	.5074260	.3631680	.0541652	.5678842	.1412916

#1	204.1175	.2836558	1.515448	32.87347	.8845652	.4116366
#2	203.0805	.2861093	1.524774	32.88976	.8940592	.4105150
#3	203.3779	.2835653	1.525249	32.85419	.8923265	.4113384

Sample Name: Q3370-01MSD Acquired: 10/21/2025 18:23:45 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6157559	.1857601	4.979445	6.444378	F 103.4745	.1864976
Stddev	.0010024	.0008786	.013926	.012413	.2862	.0014815
%RSD	.1627891	.4729764	.2796646	.1926102	.2765601	.7943605

#1	.6162486	.1852828	4.982295	6.442500	103.7552	.1848404
#2	.6146026	.1867741	4.964315	6.433011	103.1832	.1876937
#3	.6164166	.1852235	4.991725	6.457622	103.4850	.1869587

Elem	Sr4077
Units	ppm
Avg	.4380588
Stddev	.0029387
%RSD	.6708480

#1	.4351301
#2	.4410075
#3	.4380387

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5448.663	92734.94	7770.327	4316.917	6488.194
Stddev	1.240	133.48	53.159	13.928	.467
%RSD	.0227624	.1439326	.6841312	.3226470	.0072019

#1	5447.234	92774.54	7825.909	4332.926	6487.677
#2	5449.302	92586.14	7719.978	4307.569	6488.316
#3	5449.453	92844.13	7765.094	4310.257	6488.588

Sample Name: CCV06 Acquired: 10/21/2025 18:27:52 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	4.746412	4.848208	4.605477	4.867807	4.897568	9.222509	9.374038
Stddev	.010861	.093969	.008696	.016550	.001144	.038550	.014645
%RSD	.2288294	1.938227	.1888094	.3399785	.0233574	.4179940	.1562300
#1	4.748775	4.839494	4.598666	4.866737	4.897023	9.178315	9.376038
#2	4.734564	4.758900	4.602493	4.851819	4.898883	9.240001	9.387580
#3	4.755898	4.946231	4.615271	4.884866	4.896799	9.249211	9.358496
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2262833	2.271527	23.00602	.9049063	2.306947	1.184135	4.731394
Stddev	.0002043	.004412	.02570	.0078254	.004851	.000547	.051047
%RSD	.0902687	.1942316	.1117277	.8647700	.2102893	.0461912	1.078908
#1	.2264374	2.267730	22.98146	.9088097	2.306291	1.184685	4.721802
#2	.2260516	2.270484	23.00386	.9100121	2.302457	1.183591	4.786557
#3	.2263609	2.276367	23.03273	.8958970	2.312092	1.184130	4.685823
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.328081	22.75006	2.301557	1.169763	24.40601	2.322260	2.321427
Stddev	.002007	.08903	.004783	.010792	.32617	.011612	.025312
%RSD	.0862233	.3913430	.2078088	.9225689	1.336442	.5000133	1.090362
#1	2.329389	22.78031	2.297957	1.175717	24.57931	2.309227	2.332971
#2	2.329085	22.64984	2.299729	1.176267	24.60895	2.331504	2.338910
#3	2.325770	22.82002	2.306984	1.157306	24.02977	2.326049	2.292401
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.10552	4.603766	4.728417	4.577137	4.667353	4.692239	4.670458
Stddev	.24685	.006284	.006149	.016980	.002251	.051356	.015563
%RSD	1.024019	.1364986	.1300352	.3709782	.0482366	1.094486	.3332154
#1	24.12601	4.610976	4.723662	4.574457	4.666601	4.682004	4.676003
#2	24.34148	4.600869	4.726229	4.561656	4.665574	4.747941	4.652882
#3	23.84907	4.599452	4.735361	4.595297	4.669884	4.646771	4.682489

Sample Name: CCV06 Acquired: 10/21/2025 18:27:52 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.725152	4.601929	4.734936
Stddev	.031766	.010590	.029653
%RSD	.6722727	.2301231	.6262568

#1	4.734380	4.612654	4.723361
#2	4.689794	4.601654	4.712816
#3	4.751283	4.591479	4.768631

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5815.662	99167.93	8001.044	4633.728	6801.241
Stddev	14.164	658.55	26.949	19.544	15.754
%RSD	.2435504	.6640743	.3368144	.4217754	.2316331

#1	5831.076	99003.54	8016.731	4647.135	6819.277
#2	5803.219	98607.15	8016.475	4611.304	6794.273
#3	5812.691	99893.10	7969.927	4642.746	6790.172

Sample Name: CCB06 Acquired: 10/21/2025 18:31:55 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000492	-.000041	.0001165	.0002323	-.000768	.0113791
Stddev	.001704	.001919	.0001116	.0019651	.000630	.0058808
%RSD	346.4807	4711.605	95.83194	845.8822	81.94971	51.68030

#1	.001471	-.001404	.0001613	-.001331	-.000253	.0073195
#2	-.001354	.002154	-.000011	.002438	-.001470	.0181231
#3	-.001592	-.000872	.000199	-.000410	-.000582	.0086949

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003361	.0000627	-.000030	.0004350	.0000259	-.000082
Stddev	.000130	.0000787	.000005	.0046583	.0000768	.000078
%RSD	3.865653	125.5077	17.16520	1070.766	296.0153	95.09999

#1	-.003229	.0000795	-.000029	-.004548	.0000687	-.000039
#2	-.003367	-.000023	-.000026	.001172	-.000063	-.000035
#3	-.003489	.000132	-.000036	.004681	.000072	-.000172

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002209	.0064943	-.001012	-.009307	.0003323	-.000185
Stddev	.0002582	.0052592	.000597	.035752	.0002596	.000014
%RSD	116.8936	80.98175	58.99557	384.1265	78.11506	7.426907

#1	-.000041	.0050538	-.001686	.026074	.0001376	-.000170
#2	.000475	.0123237	-.000804	-.045418	.0006270	-.000196
#3	.000229	.0021055	-.000547	-.008577	.0002323	-.000189

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9995380	-.001244	.0002582	.9558595	-.016062	-.000072
Stddev	.0151421	.000358	.0000749	.0399764	.000141	.000180
%RSD	1.514906	28.76431	29.01883	4.182248	.8779884	247.9979

#1	.9866369	-.000831	.0002911	.9127857	-.015979	.000133
#2	.9957682	-.001435	.0001725	.9917700	-.015983	-.000199
#3	1.016209	-.001466	.0003111	.9630228	-.016225	-.000152

Sample Name: CCB06 Acquired: 10/21/2025 18:31:55 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.012571	.0020305	-.011713	.0020598	F .0243732	.0007825
Stddev	.000126	.0008335	.018444	.0011221	.0006183	.0037357
%RSD	1.002298	41.05009	157.4680	54.47399	2.536891	477.3975

#1	-.012666	.0028854	.000005	.0009766	.0250594	.0047632
#2	-.012620	.0019860	-.002170	.0019859	.0242010	-.002647
#3	-.012428	.0012201	-.032974	.0032171	.0238593	.000231

Elem	Sr4077
Units	ppm
Avg	.0000147
Stddev	.0000432
%RSD	293.2840

#1	-.000034
#2	.000046
#3	.000032

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5917.587	99684.50	7655.918	4608.500	7735.298
Stddev	12.784	318.67	138.494	19.965	21.595
%RSD	.2160399	.3196783	1.808981	.4332243	.2791739

#1	5928.264	100052.1	7496.002	4631.517	7757.895
#2	5903.420	99486.9	7735.057	4598.128	7714.869
#3	5921.077	99514.5	7736.696	4595.857	7733.130

Sample Name: Q3370-01A Acquired: 10/21/2025 18:36:14 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7628048	1.609232	.8571048	1.903853	.7854201	3.181187
Stddev	.0015197	.020310	.0015229	.001650	.0007033	.014289
%RSD	.1992223	1.262063	.1776739	.0866749	.0895484	.4491569

#1	.7643800	1.632290	.8560029	1.905306	.7859581	3.166181
#2	.7626869	1.594001	.8588425	1.904193	.7846243	3.194629
#3	.7613475	1.601404	.8564690	1.902059	.7856780	3.182752

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2307391	.1793744	.1779193	50.03999	.4033424	.1841089
Stddev	.0010250	.0005378	.0003788	.21331	.0018811	.0003443
%RSD	.4442409	.2998180	.2129173	.4262841	.4663774	.1870324

#1	.2298116	.1792358	.1779775	49.81549	.4040506	.1839776
#2	.2305660	.1789194	.1782656	50.24001	.4047667	.1844995
#3	.2318397	.1799679	.1775147	50.06447	.4012100	.1838495

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3143526	3.316522	.2072396	18.86824	.4910649	.0621667
Stddev	.0003357	.026269	.0010881	.14293	.0006842	.0020741
%RSD	.1067974	.7920751	.5250552	.7575066	.1393273	3.336333

#1	.3146329	3.299011	.2061800	18.70414	.4917206	.0600905
#2	.3144444	3.346728	.2083541	18.93506	.4911187	.0621710
#3	.3139805	3.303827	.2071847	18.96551	.4903554	.0642386

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	203.6527	.2849468	1.519233	32.58226	.8982401	.4063166
Stddev	1.9787	.0016300	.005502	.17810	.0037044	.0002466
%RSD	.9716052	.5720264	.3621605	.5466238	.4124061	.0607025

#1	203.6722	.2833278	1.524503	32.60780	.8968329	.4065995
#2	205.6215	.2865875	1.519671	32.74622	.8954454	.4062035
#3	201.6642	.2849252	1.513525	32.39277	.9024419	.4061467

Sample Name: Q3370-01A Acquired: 10/21/2025 18:36:14 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6112794	.1817351	5.015867	6.409391	F 100.7108	.1871315
Stddev	.0014658	.0011868	.021666	.019553	.4965	.0072252
%RSD	.2397976	.6530158	.4319412	.3050723	.4929513	3.861032

#1	.6128146	.1811766	5.021366	6.431884	101.2830	.1787899
#2	.6111291	.1809305	5.034254	6.399840	100.4547	.1914333
#3	.6098945	.1830980	4.991982	6.396448	100.3947	.1911712

Elem	Sr4077
Units	ppm
Avg	.4264227
Stddev	.0013935
%RSD	.3267914

#1	.4253392
#2	.4279947
#3	.4259342

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5497.032	90808.26	7678.008	4160.847	6538.191
Stddev	9.324	390.60	10.954	7.213	4.674
%RSD	.1696142	.4301336	.1426646	.1733483	.0714827

#1	5504.014	90598.86	7686.447	4157.559	6538.301
#2	5486.443	90567.01	7681.948	4155.865	6533.463
#3	5500.637	91258.91	7665.629	4169.118	6542.809

Sample Name: Q3376-07 Acquired: 10/21/2025 18:40:14 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002937	-.003144	-.000277	.0036817	.0037949	.0250045	-.005983
Stddev	.001167	.000632	.000497	.0018912	.0019457	.0153179	.000265
%RSD	39.73680	20.08899	179.5238	51.36624	51.27058	61.26062	4.434988

#1	-.002406	-.002747	.000295	.0052396	.0056937	.0110509	-.006115
#2	-.002129	-.003872	-.000606	.0042280	.0018055	.0225679	-.005678
#3	-.004274	-.002812	-.000521	.0015775	.0038856	.0413946	-.006156

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000209	-.000116	.0847802	.0013314	-.000385	.0006267	.0234494
Stddev	.000035	.000037	.0089804	.0003571	.000068	.0000678	.0066826
%RSD	16.84958	32.11163	10.59260	26.82006	17.70388	10.82210	28.49820

#1	-.000203	-.000073	.0884998	.0009664	-.000311	.0006029	.0288304
#2	-.000247	-.000143	.0913032	.0016800	-.000445	.0005741	.0255485
#3	-.000177	-.000131	.0745376	.0013477	-.000397	.0007033	.0159692

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015439	.0366468	-.000061	-.000444	.1383311	-.001623	.0057283
Stddev	.0002521	.0299781	.000197	.000054	.0024231	.001347	.0003180
%RSD	16.32647	81.80267	320.3227	12.18705	1.751639	82.99549	5.551221

#1	.0018306	.0375309	-.000185	-.000382	.1381020	-.000241	.0054546
#2	.0013571	.0062365	.000165	-.000482	.1360307	-.001695	.0060771
#3	.0014440	.0661731	-.000165	-.000467	.1408606	-.002932	.0056533

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.257827	-.021116	.0003885	-.035192	-.000880	.0205880	.0059166
Stddev	.028694	.000365	.0000509	.000497	.000589	.0133790	.0003792
%RSD	11.12901	1.730117	13.09077	1.412859	66.86646	64.98418	6.409781

#1	-.236756	-.020746	.0003456	-.035076	-.001480	.0076189	.0055837
#2	-.290506	-.021477	.0003753	-.035738	-.000303	.0198029	.0063295
#3	-.246218	-.021125	.0004447	-.034764	-.000858	.0343423	.0058368

Sample Name: Q3376-07 Acquired: 10/21/2025 18:40:14 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0442321	-.011563	.0002134
Stddev	.0021719	.004071	.0000418
%RSD	4.910209	35.20666	19.57122

#1	.0417242	-.008908	.0002028
#2	.0454948	-.009532	.0002595
#3	.0454772	-.016250	.0001780

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5834.990	100133.1	7807.675	4541.898	7720.030
Stddev	11.197	913.1	16.211	47.341	11.282
%RSD	.1918997	.9118571	.2076341	1.042308	.1461447

#1	5834.128	100334.8	7789.784	4569.768	7707.576
#2	5846.593	99136.0	7811.850	4487.238	7729.568
#3	5824.248	100928.5	7821.390	4568.689	7722.946

Sample Name: Q3400-01 Acquired: 10/21/2025 18:44:33 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0267512	-.006480	.0989223	.0072069	-.002097	47.66527
Stddev	.0001467	.001933	.0005441	.0002361	.001876	.12174
%RSD	.5482996	29.83630	.5500259	3.275859	89.46613	.2554163

#1	.0266234	-.007208	.0995191	.0072273	-.003759	47.64281
#2	.0267188	-.007945	.0984540	.0074321	-.000063	47.55632
#3	.0269113	-.004289	.0987936	.0069613	-.002468	47.79668

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3362754	.0041661	.0006756	45.79131	.1345096	.0193809
Stddev	.0023653	.0000805	.0000315	.11827	.0001995	.0000540
%RSD	.7033721	1.932688	4.668019	.2582856	.1483373	.2787467

#1	.3335720	.0042377	.0006811	45.70686	.1347044	.0194334
#2	.3372904	.0041817	.0006417	45.74059	.1343057	.0193255
#3	.3379637	.0040789	.0007041	45.92648	.1345186	.0193839

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1028999	52.99427	2.086783	10.97461	.0495857	-.003744
Stddev	.0005796	.20345	.012503	.00852	.0003083	.000389
%RSD	.5632671	.3839013	.5991703	.0776060	.6217359	10.39097

#1	.1035487	52.77566	2.072349	10.98393	.0496453	-.003895
#2	.1027176	53.02910	2.093725	10.97266	.0498598	-.003302
#3	.1024333	53.17806	2.094275	10.96724	.0492519	-.004035

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	75.63509	.0852612	.1403458	6.378161	.1002710	.0273693
Stddev	.51562	.0021894	.0001570	.006535	.0016455	.0003364
%RSD	.6817153	2.567921	.1118406	.1024552	1.641096	1.229007

#1	75.06197	.0830847	.1405193	6.384363	.0984298	.0277297
#2	76.06132	.0874634	.1402136	6.378781	.1015981	.0273144
#3	75.78197	.0852356	.1403044	6.371338	.1007852	.0270637

Sample Name: Q3400-01 Acquired: 10/21/2025 18:44:33 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.035857	.2431087	F 89.98259	.6112608	F 13.92834	.0301607
Stddev	.000487	.0069270	.21773	.0034768	.06267	.0014096
%RSD	1.358280	2.849353	.2419671	.5687885	.4499432	4.673707

#1	-.036209	.2355971	90.01664	.6072506	13.87191	.0300679
#2	-.035302	.2492448	89.74984	.6131009	13.91732	.0287997
#3	-.036062	.2444842	90.18129	.6134307	13.99579	.0316143

Elem	Sr4077
Units	ppm
Avg	.5165433
Stddev	.0025001
%RSD	.4839962

#1	.5136570
#2	.5180339
#3	.5179389

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6446.898	106609.7	8698.804	5090.303	6819.730
Stddev	2.843	162.5	20.329	13.134	3.287
%RSD	.0440962	.1523831	.2337045	.2580128	.0481937

#1	6444.226	106624.9	8713.117	5102.306	6815.961
#2	6446.584	106764.0	8707.761	5092.329	6821.997
#3	6449.885	106440.1	8675.534	5076.274	6821.232

Sample Name: Q3398-01 Acquired: 10/21/2025 18:48:40 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .2851114	s 4.277026	sF -1.85393	k .0098344	k 2.618176	9.986426
Stddev	.0101555	.027815	.40794	.0086049	.006886	.129393
%RSD	3.561949	.6503375	22.00417	87.49816	.2630236	1.295689

#1	k .2968245	k 4.304717	k -1.65253	k .0193510	k 2.610807	9.885762
#2	k .2797423	s 4.277272	s -2.32341	k .0075498	k 2.619275	9.941141
#3	k .2787675	k 4.249089	k -1.58586	k .0026023	k 2.624448	10.13238

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005219	^ *****	s -.152212	2.154863	k 3.393199	^ *****
Stddev	.001190	-----	.024752	.017235	.003371	-----
%RSD	22.79828	-----	16.26140	.7997976	.0993412	-----

#1	-.003868	^ -----	k -.139455	2.171542	k 3.395250	^ -----
#2	-.005677	^ -----	s -.180740	2.137122	k 3.389309	^ -----
#3	-.006111	^ -----	k -.136441	2.155924	k 3.395038	^ -----

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k 1.634741	k 3.221953	k .0154083	F -13.7198	s .2820401	k -.085409
Stddev	.002548	.030999	.0011962	.0942	.0474866	.001214
%RSD	.1558898	.9621242	7.763134	.6865923	16.83684	1.421544

#1	k 1.632075	k 3.246714	k .0167187	-13.7298	.2596040	k -.085111
#2	k 1.634995	k 3.231959	k .0151314	-13.8087	s .3365877	k -.084372
#3	k 1.637153	k 3.187187	k .0143749	-13.6211	.2499287	k -.086745

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1359.201	^ *****	k .0535780	27.80693	kF 24.35203	F 464.4550
Stddev	9.685	-----	.0008573	.17004	.03859	2.8012
%RSD	.7125787	-----	1.600025	.6115145	.1584502	.6031221

#1	1348.898	^ -----	k .0527383	27.65938	k 24.35237	467.3456
#2	1368.120	^ -----	k .0544518	27.76852	k 24.31327	464.2668
#3	1360.587	^ -----	k .0535438	27.99289	k 24.39044	461.7526

Sample Name: Q3398-01 Acquired: 10/21/2025 18:48:40 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s -.014230	k .0941608	k 4.757159	s .8160201	sF 85.10907	k .0021226
Stddev	.006659	.0013076	.025322	.1393479	13.90236	.0025288
%RSD	46.79657	1.388713	.5322891	17.07653	16.33476	119.1375

#1	k -.015828	k .0927747	k 4.760711	k .7487421	k 78.17796	k .0000436
#2	s -.006917	k .0943353	k 4.730249	s .9762415	s 101.1144	k .0013863
#3	k -.019944	k .0953725	k 4.780518	k .7230768	k 76.0349	k .0049377

Elem	Sr4077
Units	ppm
Avg	k .0168594
Stddev	.0000649
%RSD	.3846980

#1	k .0168800
#2	k .0167868
#3	k .0169115

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3318.102	79508.57	7489.929	2563.970	^ *****
Stddev	10.475	228.30	34.669	17.929	-----
%RSD	.3156984	.2871396	.4628785	.6992761	-----

#1	3306.703	79277.99	7452.127	2574.113	2423.706
#2	3320.299	79513.21	7497.416	2574.529	^ -----
#3	3327.305	79734.52	7520.242	2543.269	2496.291

Sample Name: Q3399-01 Acquired: 10/21/2025 19:01:24 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0356953	-.002248	.0472458	.0036928	-.003746	29.02091	.1094038
Stddev	.0010134	.002440	.0006428	.0028922	.000446	.05794	.0005842
%RSD	2.839059	108.5481	1.360516	78.32070	11.89766	.1996570	.5340104

#1	.0351702	-.004026	.0466865	.0003968	-.003315	28.98592	.1087409
#2	.0368635	-.003251	.0479480	.0058068	-.004205	29.08779	.1098435
#3	.0350523	.000534	.0471029	.0048748	-.003717	28.98901	.1096270

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026671	.0001810	6.373812	.0668869	.0176797	.0732120	69.36372
Stddev	.0000173	.0000154	.005460	.0003203	.0002567	.0002763	.18507
%RSD	.6479972	8.533092	.0856573	.4789301	1.452031	.3774202	.2668131

#1	.0026623	.0001665	6.370833	.0665442	.0176637	.0730257	69.22444
#2	.0026527	.0001792	6.370489	.0671789	.0179440	.0730808	69.57372
#3	.0026862	.0001972	6.380113	.0669377	.0174314	.0735295	69.29298

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.530577	4.484774	.0335979	-.003653	12.93619	.0793324	.1180469
Stddev	.001871	.010512	.0001012	.000366	.07313	.0045228	.0006262
%RSD	.1222157	.2343974	.3011852	10.01203	.5653090	5.701068	.5304954

#1	1.532570	4.473399	.0334921	-.003831	12.97501	.0844792	.1173743
#2	1.530304	4.494130	.0336937	-.003896	12.98173	.0775267	.1186132
#3	1.528859	4.486794	.0336078	-.003233	12.85184	.0759915	.1181531

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.266742	.0403775	.0204577	-.016545	1.003984	6.000203	1.380773
Stddev	.031896	.0019058	.0011656	.000820	.013452	.055271	.010057
%RSD	.9763864	4.719923	5.697434	4.954561	1.339902	.9211546	.7283860

#1	3.247656	.0406105	.0214994	-.017023	1.015710	5.947116	1.392103
#2	3.249007	.0421561	.0206748	-.015598	.989298	6.057426	1.377318
#3	3.303564	.0383660	.0191988	-.017013	1.006944	5.996066	1.372899

Sample Name: Q3399-01 Acquired: 10/21/2025 19:01:24 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.073489	.0228249	-.013204
Stddev	.008304	.0034151	.000096
%RSD	.7735863	14.96212	.7235544
#1	1.083074	.0189981	-.013094
#2	1.068934	.0255628	-.013252
#3	1.068459	.0239137	-.013265

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5992.107	100700.6	8000.875	4741.983	7145.306
Stddev	8.319	278.0	37.914	27.535	14.290
%RSD	.1388409	.2760235	.4738706	.5806657	.1999932
#1	5992.638	100449.5	7958.422	4710.623	7136.709
#2	5983.535	100652.9	8012.839	4753.121	7137.408
#3	6000.149	100999.3	8031.364	4762.203	7161.802

Sample Name: Q3405-01 Acquired: 10/21/2025 19:05:29 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0629600	.0091629	.0906956	-.005173	.0009857	156.1753
Stddev	.0021433	.0027364	.0060871	.001993	.0023589	.1742
%RSD	3.404194	29.86413	6.711514	38.53236	239.3061	.1115231

#1	.0628931	.0119869	.0973236	-.005425	-.001723	156.3170
#2	.0651359	.0089785	.0894073	-.007028	.002089	155.9808
#3	.0608510	.0065233	.0853558	-.003065	.002591	156.2279

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8202696	.0098917	.0046022	1610.156	.2116893	.0608011
Stddev	.0072967	.0000519	.0009721	13.014	.0012952	.0037739
%RSD	.8895457	.5246982	21.12230	.8082506	.6118233	6.207014

#1	.8263869	.0099513	.0057236	1616.874	.2130612	.0651575
#2	.8121934	.0098563	.0040825	1595.155	.2104877	.0587200
#3	.8222283	.0098675	.0040003	1618.437	.2115191	.0585259

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1282235	142.9641	3.586475	83.18860	.1474706	-.006873
Stddev	.0091004	.6384	.023212	.23480	.0075015	.000496
%RSD	7.097267	.4465113	.6472178	.2822516	5.086785	7.213220

#1	.1386883	143.5802	3.603383	83.20158	.1561246	-.007025
#2	.1221647	143.0063	3.560010	82.94758	.1434652	-.006319
#3	.1238177	142.3056	3.596034	83.41664	.1428219	-.007275

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.575105	.1698213	.6907161	8.099441	.3429764	.0116719
Stddev	.012529	.0021907	.0049236	.016044	.0006495	.0008981
%RSD	.2738414	1.290019	.7128227	.1980852	.1893603	7.694644

#1	4.566135	.1675865	.6954150	8.094399	.3429004	.0126956
#2	4.569760	.1719652	.6855950	8.117400	.3436606	.0110165
#3	4.589420	.1699122	.6911384	8.086524	.3423683	.0113035

Sample Name: Q3405-01 Acquired: 10/21/2025 19:05:29 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005375	5.327192	3.288896	5.028470	F 89.59526	.7742944
Stddev	.001269	.023768	.036994	.258030	4.48488	.0030073
%RSD	23.60556	.4461554	1.124827	5.131386	5.005712	.3883979

#1	-.003963	5.350937	3.328931	5.326347	94.76940	.7708730
#2	-.005741	5.303402	3.281785	4.885156	87.19630	.7754907
#3	-.006420	5.327236	3.255974	4.873908	86.82009	.7765196

Elem	Sr4077
Units	ppm
Avg	5.483729
Stddev	.084372
%RSD	1.538589

#1	5.486834
#2	5.397848
#3	5.566506

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5436.674	90433.02	8191.087	4334.233	5058.791
Stddev	199.938	293.88	61.676	28.681	214.684
%RSD	3.677583	.3249669	.7529627	.6617297	4.243772

#1	5205.976	90099.38	8162.926	4303.768	4810.901
#2	5559.700	90546.20	8261.816	4360.714	5184.012
#3	5544.347	90653.47	8148.518	4338.216	5181.462

Sample Name: Q3405-02 Acquired: 10/21/2025 19:09:49 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0237173	.0040787	.0661133	-.010674	.0051792	106.8332
Stddev	.0046121	.0070269	.0027220	.005251	.0018079	.1998
%RSD	19.44622	172.2817	4.117139	49.19384	34.90733	.1870375

#1	.0275152	.0098033	.0641056	-.004669	.0057977	107.0051
#2	.0250516	-.003764	.0650228	-.014400	.0065968	106.6139
#3	.0185852	.006197	.0692114	-.012953	.0031432	106.8806

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5618701	.0048198	.0016803	1717.173	.2883335	.0346246
Stddev	.0040273	.0000243	.0001216	8.585	.0005996	.0001584
%RSD	.7167715	.5052501	7.233986	.4999478	.2079527	.4574374

#1	.5663888	.0048479	.0018171	1711.590	.2877272	.0344464
#2	.5605619	.0048064	.0015847	1712.870	.2883473	.0347493
#3	.5586594	.0048050	.0016392	1727.058	.2889261	.0346782

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1263853	78.91576	2.214444	125.1236	.1840590	-.002617
Stddev	.0001853	.13677	.014708	.4906	.0008739	.000263
%RSD	.1466352	.1733077	.6641708	.3920934	.4748171	10.03937

#1	.1264792	78.75787	2.231332	125.5690	.1836973	-.002428
#2	.1265048	78.99756	2.204441	124.5977	.1850558	-.002916
#3	.1261718	78.99186	2.207561	125.2039	.1834240	-.002506

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.855379	.3531200	1.717194	10.11531	.2216367	.0134670
Stddev	.045459	.0018461	.004690	.11500	.0005502	.0001364
%RSD	1.592052	.5227955	.2731254	1.136870	.2482621	1.012616

#1	2.815110	.3552305	1.717191	9.98424	.2210834	.0133110
#2	2.846354	.3523246	1.712505	10.16239	.2221839	.0135636
#3	2.904674	.3518050	1.721885	10.19929	.2216427	.0135263

Sample Name: Q3405-02 Acquired: 10/21/2025 19:09:49 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006484	4.267341	1.524630	3.454603	F 75.61490	.8423933
Stddev	.000794	.019100	.026689	.023185	.25081	.0130821
%RSD	12.24160	.4475895	1.750546	.6711476	.3316990	1.552963

#1	-0.005580	4.289391	1.495666	3.428827	75.38316	.8298625
#2	-0.006804	4.256716	1.529994	3.461225	75.58033	.8413529
#3	-0.007067	4.255916	1.548230	3.473756	75.88120	.8559645

Elem	Sr4077
Units	ppm
Avg	7.769409
Stddev	.047351
%RSD	.6094555

#1	7.722655
#2	7.768236
#3	7.817336

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5237.962	85981.29	7800.434	4057.904	5058.943
Stddev	6.131	265.75	46.826	15.545	4.239
%RSD	.1170511	.3090763	.6002998	.3830696	.0837849

#1	5233.303	86287.03	7746.952	4073.921	5063.837
#2	5244.908	85851.03	7834.059	4056.913	5056.544
#3	5235.674	85805.80	7820.292	4042.879	5056.449

Sample Name: Q3405-03 Acquired: 10/21/2025 19:14:10 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0597093	.0052700	.1025075	-.002854	.0032353	189.5570
Stddev	.0014923	.0068540	.0015092	.001529	.0036579	.4344
%RSD	2.499247	130.0563	1.472285	53.59289	113.0638	.2291891

#1	.0613589	-.002641	.1017953	-.001120	.0003951	189.2739
#2	.0593157	.009419	.1042410	-.003430	.0073628	189.3399
#3	.0584533	.009032	.1014862	-.004011	.0019479	190.0572

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.084459	.0100469	.0081177	2090.247	.3739811	.0982859
Stddev	.009010	.0000575	.0000666	13.609	.0013864	.0001384
%RSD	.4322419	.5718249	.8205625	.6510723	.3707124	.1408145

#1	2.074541	.0099821	.0080494	2076.671	.3723806	.0981472
#2	2.086701	.0100917	.0081211	2103.889	.3748123	.0984240
#3	2.092137	.0100670	.0081825	2090.180	.3747504	.0982863

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1973330	207.0998	2.260337	113.5631	.2207244	-.010505
Stddev	.0002601	.5461	.010417	.2882	.0003997	.000499
%RSD	.1318193	.2636732	.4608613	.2538119	.1811050	4.751013

#1	.1976139	206.4832	2.248924	113.3714	.2211448	-.009935
#2	.1972845	207.5223	2.269332	113.8946	.2206793	-.010865
#3	.1971005	207.2940	2.262755	113.4233	.2203491	-.010714

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.122535	.3243447	.6967998	21.94851	.4873488	.0142963
Stddev	.050396	.0005707	.0004700	.21309	.0028079	.0004864
%RSD	.6204515	.1759609	.0674568	.9708614	.5761487	3.402206

#1	8.065739	.3240596	.6971577	21.74406	.4841098	.0144286
#2	8.139962	.3239728	.6962675	21.93217	.4888447	.0147028
#3	8.161906	.3250018	.6969743	22.16930	.4890920	.0137574

Sample Name: Q3405-03 Acquired: 10/21/2025 19:14:10 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001287	9.864051	3.437529	F 12.91652	F 134.8988	1.117767
Stddev	.001375	.017536	.012787	.02773	.8918	.010260
%RSD	106.8396	.1777781	.3719816	.2147179	.6611153	.9178614
#1	-.001723	9.848287	3.452144	12.91788	135.6826	1.109184
#2	.000253	9.860928	3.432037	12.88814	133.9284	1.114987
#3	-.002390	9.882939	3.428405	12.94355	135.0853	1.129130

Elem	Sr4077
Units	ppm
Avg	9.896746
Stddev	.049369
%RSD	.4988396
#1	9.848678
#2	9.947320
#3	9.894239

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5482.554	89576.74	8484.418	4178.347	4792.317
Stddev	3.847	288.39	30.760	5.334	2.280
%RSD	.0701660	.3219483	.3625524	.1276508	.0475851
#1	5486.867	89909.75	8518.353	4184.479	4791.687
#2	5481.321	89409.25	8458.366	4174.783	4794.847
#3	5479.475	89411.23	8476.535	4175.779	4790.418

Sample Name: CCV07 Acquired: 10/21/2025 19:18:28 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	4.768922	4.816534	4.682064	4.853275	4.900642	9.654312	9.643018
Stddev	.003957	.108948	.009808	.008561	.006117	.314547	.281774
%RSD	.0829810	2.261950	.2094813	.1763898	.1248113	3.258095	2.922054

#1	4.771920	4.939900	4.688807	4.862816	4.902202	9.593472	9.542472
#2	4.770409	4.733517	4.686573	4.846264	4.905828	9.994834	9.961273
#3	4.764436	4.776185	4.670812	4.850746	4.893897	9.374629	9.425308

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2363415	2.321743	24.10834	.9445367	2.349583	1.202144	4.820794
Stddev	.0066419	.001961	.77685	.0023268	.001441	.001760	.016032
%RSD	2.810302	.0844702	3.222330	.2463461	.0613233	.1464194	.3325620

#1	.2364522	2.323830	23.93563	.9466282	2.351105	1.200957	4.804681
#2	.2429274	2.321462	24.95700	.9420304	2.349403	1.204166	4.836744
#3	.2296449	2.319938	23.43237	.9449516	2.348240	1.201308	4.820959

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.405764	23.77690	2.347147	1.189210	22.68502	2.425884	2.370429
Stddev	.072079	.76604	.000640	.000862	.16346	.074783	.001361
%RSD	2.996083	3.221792	.0272662	.0724676	.7205643	3.082728	.0574090

#1	2.382063	23.67835	2.347340	1.189883	22.49845	2.411405	2.370467
#2	2.486708	24.58745	2.347669	1.189508	22.75352	2.506848	2.369050
#3	2.348520	23.06490	2.346433	1.188239	22.80308	2.359398	2.371771

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.50644	4.756415	4.816477	4.660194	4.828072	4.785411	4.704815
Stddev	.19084	.139618	.006069	.011541	.153397	.021193	.021120
%RSD	.8118449	2.935363	.1260054	.2476597	3.177195	.4428581	.4489116

#1	23.29450	4.751885	4.814203	4.673003	4.779615	4.761083	4.704007
#2	23.56013	4.898243	4.823355	4.650602	4.999846	4.795286	4.684109
#3	23.66467	4.619117	4.811874	4.656977	4.704755	4.799863	4.726327

Sample Name: CCV07 Acquired: 10/21/2025 19:18:28 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.684601	4.537908	4.830218
Stddev	.020439	.107603	.138544
%RSD	.4362919	2.371202	2.868286

#1	4.704342	4.502157	4.764129
#2	4.663530	4.658836	4.989432
#3	4.685930	4.452731	4.737093

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5755.883	96068.10	7584.962	4536.486	6721.893
Stddev	7.689	36.04	218.957	15.378	7.557
%RSD	.1335904	.0375136	2.886731	.3389759	.1124244

#1	5764.762	96081.88	7587.325	4522.693	6722.181
#2	5751.361	96027.20	7364.832	4553.067	6729.302
#3	5751.527	96095.21	7802.728	4533.700	6714.196

Sample Name: CCB07 Acquired: 10/21/2025 19:22:31 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017257	.0010471	.0002634	.0004071	-.000005	.0093877
Stddev	.0010359	.0016546	.0004396	.0021842	.000566	.0106219
%RSD	60.03140	158.0150	166.9203	536.4880	11749.35	113.1469
#1	.0014394	.0000879	.0007615	.0019913	-.000006	.0150488
#2	.0028746	.0000958	-.000070	-.002085	-.000570	-.002866
#3	.0008630	.0029576	.000099	.001315	.000562	.015980
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005770	.0000201	-.000015	-.002499	.0001003	-.000148
Stddev	.000562	.0000415	.000034	.008978	.0002441	.000113
%RSD	9.737020	206.2803	225.6300	359.2842	243.3686	76.76095
#1	-.006000	-.000007	.000024	-.011742	.0000905	-.000216
#2	-.006180	.000068	-.000034	-.001943	.0003491	-.000017
#3	-.005130	-.000000	-.000035	.006188	-.000139	-.000211
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002280	.0059009	-.000167	-.004634	.0000442	-.000307
Stddev	.0002084	.0015747	.001046	.034978	.0003334	.000262
%RSD	91.40510	26.68624	624.5679	754.8169	754.9729	85.38707
#1	.0003180	.0044372	.001000	-.008925	-.000245	-.000574
#2	-.000010	.0075671	-.001017	-.037269	.000409	-.000050
#3	.000376	.0056983	-.000485	.032292	-.000031	-.000297
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4504033	-.002546	.0001715	.4717077	-.012460	.0010939
Stddev	.0163174	.002301	.0000802	.0708176	.000599	.0001416
%RSD	3.622839	90.36216	46.76284	15.01303	4.805635	12.94219
#1	.4390559	-.001231	.0002630	.4079065	-.012049	.0010808
#2	.4430508	-.001205	.0001379	.4593117	-.012183	.0012416
#3	.4691033	-.005202	.0001136	.5479050	-.013147	.0009593

Sample Name: CCB07 Acquired: 10/21/2025 19:22:31 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.012206	.0001753	-.013283	.0008160	F .0184641	-.002257
Stddev	.000602	.0010191	.011471	.0015107	.0039252	.003462
%RSD	4.933518	581.4256	86.35231	185.1375	21.25833	153.3452

#1	-.012796	.0011356	-.008482	.0020851	.0229964	.001164
#2	-.011593	.0002839	-.004994	.0012181	.0161774	-.005758
#3	-.012228	-.000894	-.026374	-.000855	.0162185	-.002179

Elem	Sr4077
Units	ppm
Avg	.0001123
Stddev	.0000775
%RSD	69.00748

#1	.0000233
#2	.0001646
#3	.0001492

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5855.837	98671.13	7666.798	4601.508	7643.065
Stddev	7.878	557.73	38.942	9.459	19.537
%RSD	.1345293	.5652435	.5079358	.2055570	.2556151

#1	5850.043	98139.14	7658.275	4597.286	7624.940
#2	5852.661	98622.80	7632.823	4612.342	7640.495
#3	5864.807	99251.46	7709.296	4594.896	7663.759

Sample Name: Q3405-04 Acquired: 10/21/2025 19:26:51 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0187284	.0168319	.0332270	.0015170	.0073667	166.2583
Stddev	.0011211	.0060443	.0013541	.0058518	.0005421	1.1116
%RSD	5.986106	35.90989	4.075252	385.7467	7.358434	.6686250

#1	.0188982	.0118294	.0321051	.0068507	.0069466	167.4780
#2	.0175321	.0151183	.0347311	-.004742	.0079786	165.3021
#3	.0197549	.0235480	.0328447	.002443	.0071750	165.9947

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.336014	.0119192	.0018990	1346.810	.1493764	.0418296
Stddev	.014701	.0000504	.0000887	10.399	.0005274	.0002812
%RSD	1.100401	.4224821	4.671873	.7721408	.3530459	.6722501

#1	1.352980	.0119394	.0018349	1334.830	.1499714	.0415363
#2	1.327024	.0118619	.0018619	1353.515	.1489666	.0420969
#3	1.328038	.0119563	.0020003	1352.085	.1491912	.0418557

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0653605	63.86354	5.502944	76.52618	.0658656	-.001088
Stddev	.0004567	.27159	.061401	.55266	.0010008	.000312
%RSD	.6987281	.4252610	1.115787	.7221903	1.519485	28.71879

#1	.0648338	64.07765	5.573834	77.16403	.0651435	-.001433
#2	.0656471	63.95493	5.468516	76.19011	.0670080	-.000825
#3	.0656005	63.55805	5.466481	76.22439	.0654452	-.001004

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.396352	.1304905	1.387445	9.552684	.2736615	.0044673
Stddev	.022262	.0030879	.002978	.023544	.0020086	.0003664
%RSD	.5063781	2.366341	.2146318	.2464646	.7339635	8.202504

#1	4.421602	.1340237	1.390395	9.565351	.2759772	.0042210
#2	4.387901	.1291392	1.387499	9.525519	.2723907	.0042925
#3	4.379553	.1283087	1.384440	9.567183	.2726168	.0048884

Sample Name: Q3405-04 Acquired: 10/21/2025 19:26:51 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.011932	7.425053	1.795362	4.818647	F 76.77666	.6400825
Stddev	.002164	.066988	.014836	.030942	.66154	.0056725
%RSD	18.13812	.9021850	.8263510	.6421302	.8616406	.8862190

#1	-.014196	7.502346	1.792870	4.794877	76.03821	.6365882
#2	-.009883	7.383837	1.781930	4.807433	76.97661	.6370318
#3	-.011718	7.388975	1.811287	4.853633	77.31515	.6466276

Elem	Sr4077
Units	ppm
Avg	6.333332
Stddev	.137299
%RSD	2.167878

#1	6.467135
#2	6.340077
#3	6.192786

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5987.761	97496.70	8685.779	4693.701	5291.095
Stddev	18.484	93.47	76.803	19.281	15.673
%RSD	.3086942	.0958684	.8842399	.4107825	.2962169

#1	5991.712	97441.75	8597.978	4671.846	5300.020
#2	6003.950	97443.73	8740.492	4708.308	5300.267
#3	5967.621	97604.62	8718.868	4700.948	5272.997

Sample Name: Q3409-01 Acquired: 10/21/2025 19:31:09 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0405312	.0020422	.0357944	-.005673	-.005698	152.4574
Stddev	.0030812	.0032233	.0023901	.002201	.001519	.5770
%RSD	7.602163	157.8374	6.677253	38.79678	26.65475	.3784889
#1	.0375037	-.000068	.0382195	-.003164	-.004036	152.7667
#2	.0404263	.005753	.0357228	-.007278	-.007013	151.7917
#3	.0436635	.000442	.0334410	-.006578	-.006045	152.8139
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4155449	.0063700	.0032406	920.8918	.1659519	.1097944
Stddev	.0034024	.0000207	.0002366	5.5697	.0011762	.0010830
%RSD	.8187745	.3253836	7.302095	.6048199	.7087334	.9863974
#1	.4168153	.0063800	.0030922	926.8144	.1665104	.1089452
#2	.4116901	.0063461	.0035135	915.7593	.1646005	.1110140
#3	.4181293	.0063837	.0031161	920.1016	.1667447	.1094239
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9980782	195.1918	1.226598	70.26426	.2187485	-.010751
Stddev	.0084781	.6375	.007233	.37208	.0027752	.000556
%RSD	.8494380	.3265844	.5896940	.5295438	1.268668	5.174330
#1	.9888712	194.9656	1.230258	70.62845	.2156567	-.010947
#2	1.005563	194.6983	1.218266	69.88477	.2210239	-.011183
#3	.999800	195.9115	1.231270	70.27956	.2195650	-.010123
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.86736	.9658028	.3041992	9.766054	.2278621	.0074477
Stddev	.05568	.0067259	.0003148	.043067	.0016764	.0003002
%RSD	.4326869	.6964008	.1034871	.4409893	.7357117	4.031210
#1	12.81463	.9713199	.3045392	9.717761	.2290987	.0077631
#2	12.86189	.9583105	.3039179	9.779923	.2285335	.0074144
#3	12.92557	.9677778	.3041405	9.800478	.2259540	.0071655

Sample Name: Q3409-01 Acquired: 10/21/2025 19:31:09 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002184	6.301226	7.500798	6.363186	F 34.78392	.4279643
Stddev	.001293	.029826	.018983	.074731	.22643	.0019590
%RSD	59.20291	.4733295	.2530862	1.174422	.6509636	.4577375

#1	-.002603	6.326592	7.519859	6.287721	34.54804	.4276932
#2	-.000733	6.268369	7.500642	6.437160	34.99954	.4261551
#3	-.003215	6.308717	7.481893	6.364678	34.80419	.4300448

Elem	Sr4077
Units	ppm
Avg	1.024842
Stddev	.003377
%RSD	.3295248

#1	1.024989
#2	1.021393
#3	1.028143

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5636.023	92238.94	8016.116	4330.942	5526.012
Stddev	29.210	312.12	46.261	8.730	41.316
%RSD	.5182779	.3383860	.5770988	.2015654	.7476581

#1	5669.237	92095.50	7984.125	4336.666	5570.215
#2	5614.330	92597.00	8069.159	4320.895	5488.369
#3	5624.503	92024.32	7995.066	4335.266	5519.451

Sample Name: Q3409-02 Acquired: 10/21/2025 19:35:20 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0976558	.0123194	.0315339	-.003343	-.000583	193.0091
Stddev	.0019661	.0057088	.0028198	.002963	.002086	1.0229
%RSD	2.013269	46.33937	8.941980	88.63580	357.9626	.5299668

#1	.0997980	.0058079	.0307376	-.004009	.001684	193.0862
#2	.0972359	.0146863	.0346661	-.000104	-.001010	193.9913
#3	.0959337	.0164640	.0291979	-.005917	-.002422	191.9499

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8880302	.0104682	.0066681	1599.109	.3588766	.1410841
Stddev	.0059268	.0001419	.0000499	14.722	.0016918	.0003647
%RSD	.6674069	1.355369	.7479227	.9206624	.4714104	.2584838

#1	.8875882	.0104009	.0067239	1599.840	.3572299	.1414941
#2	.8941656	.0103725	.0066278	1584.035	.3587898	.1407957
#3	.8823368	.0106312	.0066527	1613.452	.3606101	.1409627

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1418666	179.9281	4.155378	159.9643	.3651814	-.008152
Stddev	.0010059	1.3707	.025358	.8178	.0012087	.000410
%RSD	.7090520	.7618195	.6102496	.5112416	.3309837	5.028494

#1	.1430136	179.2931	4.136604	159.8721	.3646445	-.008531
#2	.1411346	181.5011	4.184225	160.8243	.3665655	-.007717
#3	.1414516	178.9900	4.145306	159.1965	.3643342	-.008209

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.920762	.4603259	.5593008	63.42651	.2835056	.0108979
Stddev	.026713	.0026239	.0006566	.39090	.0051169	.0003857
%RSD	.6813219	.5700151	.1173949	.6163047	1.804860	3.539602

#1	3.890387	.4592481	.5585686	63.25106	.2825716	.0113405
#2	3.940597	.4633172	.5594965	63.87440	.2890252	.0107202
#3	3.931303	.4584126	.5598372	63.15408	.2789201	.0106331

Sample Name: Q3409-02 Acquired: 10/21/2025 19:35:20 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052389	F 10.65182	3.693463	6.015563	F 63.38024	1.040531
Stddev	.0012867	.05363	.035854	.034537	.36849	.017156
%RSD	24.56078	.5035081	.9707427	.5741277	.5813938	1.648794

#1	.0063402	10.63932	3.704656	6.041261	63.57682	1.047641
#2	.0038245	10.71060	3.722385	6.029125	63.60875	1.052989
#3	.0055520	10.60555	3.653348	5.976304	62.95515	1.020963

Elem	Sr4077
Units	ppm
Avg	2.386094
Stddev	.003946
%RSD	.1653634

#1	2.382189
#2	2.386015
#3	2.390079

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6046.426	98511.14	9132.439	4673.951	4981.706
Stddev	4.061	268.71	9.044	18.473	6.302
%RSD	.0671717	.2727722	.0990297	.3952224	.1265088

#1	6042.215	98645.61	9140.875	4694.101	4978.627
#2	6046.743	98201.74	9122.890	4657.817	4977.535
#3	6050.320	98686.07	9133.552	4669.935	4988.956

Sample Name: Q3412-01 Acquired: 10/21/2025 19:39:40 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0989420	-.010797	2.177387	.0023862	.0044897	163.9083
Stddev	.0015856	.003032	.004090	.0020847	.0009339	3.1385
%RSD	1.602518	28.08414	.1878562	87.36644	20.80107	1.914777

#1	.0979488	-.012422	2.181971	-.000019	.0040317	167.5320
#2	.1007706	-.007299	2.174108	.003671	.0055642	162.1395
#3	.0981067	-.012671	2.176084	.003507	.0038732	162.0534

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.142195	.0153115	.0111893	37.29079	.2171751	.2005190
Stddev	.030200	.0003761	.0003483	.77412	.0009002	.0004977
%RSD	2.644064	2.455967	3.113097	2.075895	.4144990	.2482164

#1	1.177004	.0157422	.0113265	38.18294	.2161440	.2003432
#2	1.122982	.0151442	.0114481	36.79665	.2178048	.2010807
#3	1.126597	.0150482	.0107932	36.89279	.2175764	.2001330

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6657266	407.0514	8.179513	78.02333	.4267695	-.018256
Stddev	.0004221	1.4852	.192878	1.43651	.0002076	.000726
%RSD	.0633977	.3648703	2.358067	1.841133	.0486547	3.977264

#1	.6660862	407.9658	8.399423	79.67060	.4269832	-.018958
#2	.6652619	405.3377	8.039033	77.03104	.4267567	-.018300
#3	.6658318	407.8506	8.100084	77.36835	.4265685	-.017508

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.67044	.4050939	1.056319	26.04403	.3448118	.0066656
Stddev	.05967	.0053578	.001885	.05715	.0063177	.0002183
%RSD	.4709169	1.322613	.1784062	.2194382	1.832210	3.275587

#1	12.73846	.4106219	1.058483	26.10899	.3375282	.0064170
#2	12.64596	.4047355	1.055043	26.02160	.3480997	.0068263
#3	12.62691	.3999242	1.055430	26.00150	.3488074	.0067534

Sample Name: Q3412-01 Acquired: 10/21/2025 19:39:40 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.233602	5.264125	F 10.88037	F 10.94827	1.040580	.3788444
Stddev	.004030	.120676	.08865	.03471	.004587	.0076940
%RSD	.3267197	2.292423	.8147568	.3170509	.4407874	2.030923

#1	1.237360	5.403464	10.95017	10.98077	1.045110	.3875805
#2	1.234100	5.193350	10.78063	10.95233	1.040693	.3758759
#3	1.229346	5.195561	10.91031	10.91170	1.035939	.3730768

Elem	Sr4077
Units	ppm
Avg	-.081796
Stddev	.006556
%RSD	8.014838

#1	-.074278
#2	-.084791
#3	-.086320

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6876.220	115521.9	9744.895	5385.934	6129.200
Stddev	2.883	375.4	167.656	19.071	4.578
%RSD	.0419342	.3249916	1.720451	.3540925	.0746870

#1	6879.516	115944.1	9551.435	5378.172	6127.500
#2	6874.982	115225.6	9847.834	5371.967	6125.716
#3	6874.162	115396.1	9835.415	5407.662	6134.385

Sample Name: Q3412-01DUP Acquired: 10/21/2025 19:43:41 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0989700	-.009375	2.039522	.0015758	.0014408	161.1658
Stddev	.0030936	.001933	.040185	.0045081	.0038530	.2400
%RSD	3.125827	20.61824	1.970301	286.0881	267.4277	.1488928
#1	.0997988	-.008430	2.074858	.0049585	.0053063	161.4225
#2	.1015648	-.011598	2.047898	-.003542	.0014156	161.1279
#3	.0955464	-.008096	1.995809	.003311	-.002400	160.9471
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.148763	.0154291	.0087939	36.94643	.2142128	.1956965
Stddev	.002600	.0001883	.0005012	.07826	.0004146	.0018402
%RSD	.2263675	1.220567	5.699670	.2118221	.1935230	.9403545
#1	1.151757	.0156153	.0092074	37.03615	.2144406	.1974119
#2	1.147065	.0152388	.0089377	36.89222	.2137342	.1959250
#3	1.147468	.0154332	.0082364	36.91091	.2144634	.1937527
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6416955	408.2012	8.207636	76.96027	.4138675	-.016698
Stddev	.0057078	.2152	.019474	.11584	.0039925	.000610
%RSD	.8894816	.0527108	.2372612	.1505154	.9646778	3.654093
#1	.6472954	408.4371	8.229601	77.05199	.4179246	-.016767
#2	.6419055	408.1508	8.200820	76.83010	.4137350	-.016056
#3	.6358856	408.0156	8.192486	76.99873	.4099429	-.017271
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.73753	.3970474	1.043612	26.14607	.3413052	.0066059
Stddev	.02411	.0007363	.002473	.09075	.0097438	.0001712
%RSD	.1892875	.1854530	.2369862	.3470718	2.854869	2.591462
#1	12.76465	.3976172	1.044799	26.24734	.3406955	.0064984
#2	12.71851	.3973088	1.045268	26.07213	.3318805	.0065160
#3	12.72944	.3962160	1.040769	26.11875	.3513395	.0068033

Sample Name: Q3412-01DUP Acquired: 10/21/2025 19:43:41 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.086479	5.250216	F 10.93175	F 10.73611	.9222091	.3803757
Stddev	.045002	.016093	.18090	.14014	.0102614	.0049702
%RSD	4.142006	.3065116	1.654801	1.305283	1.112697	1.306658
#1	1.131723	5.267299	11.05998	10.84781	.9288290	.3793101
#2	1.085992	5.248007	11.01043	10.78165	.9274096	.3760247
#3	1.041723	5.235342	10.72483	10.57887	.9103886	.3857923

Elem	Sr4077
Units	ppm
Avg	-.083430
Stddev	.000697
%RSD	.8349233
#1	-.082633
#2	-.083927
#3	-.083728

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6872.118	114183.9	9680.564	5409.028	6157.823
Stddev	2.416	256.4	37.469	15.100	17.480
%RSD	.0351516	.2245166	.3870502	.2791552	.2838667
#1	6872.326	113943.2	9637.557	5416.748	6138.355
#2	6874.424	114453.5	9706.149	5418.706	6162.945
#3	6869.606	114155.0	9697.988	5391.629	6172.170

Sample Name: Q3412-01LX5 Acquired: 10/21/2025 19:47:41 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0229762	-.002066	.4541501	-.000453	.0008331	39.68018	.2729000
Stddev	.0009526	.003547	.0006358	.004045	.0001830	.38588	.0032469
%RSD	4.145932	171.7201	.1399896	892.2295	21.96295	.9724672	1.189792

#1	.0222983	-.003585	.4535850	.003363	.0008265	39.42519	.2705570
#2	.0240653	.001988	.4548385	-.000029	.0006535	40.12412	.2766063
#3	.0225650	-.004601	.4540268	-.004694	.0010192	39.49124	.2715366

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039127	.0006440	9.325538	.0551945	.0398534	.1766739	98.36952
Stddev	.0000594	.0000686	.110951	.0001672	.0001365	.0006721	.30500
%RSD	1.517633	10.65511	1.189754	.3028862	.3424217	.3804321	.3100556

#1	.0039529	.0007212	9.251203	.0551502	.0400109	.1774343	98.29625
#2	.0039408	.0006207	9.453071	.0553793	.0397705	.1764278	98.70448
#3	.0038445	.0005900	9.272341	.0550539	.0397787	.1761594	98.10782

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.046433	19.28782	.0871135	-.005110	3.128916	.0992004	.2619565
Stddev	.022527	.14676	.0001016	.000247	.016041	.0023967	.0002923
%RSD	1.100783	.7609002	.1165992	4.826229	.5126789	2.415973	.1115835

#1	2.040334	19.17801	.0871274	-.005182	3.116856	.0964513	.2620654
#2	2.071381	19.45451	.0870058	-.005312	3.147122	.1002994	.2621787
#3	2.027584	19.23094	.0872075	-.004835	3.122772	.1008505	.2616254

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.173925	.0594455	.0016833	.2358041	1.308478	3.163273	2.186573
Stddev	.028566	.0025753	.0002370	.0007129	.015312	.029094	.014139
%RSD	.4626864	4.332211	14.07676	.3023137	1.170205	.9197321	.6466420

#1	6.176796	.0617066	.0014124	.2365467	1.300432	3.133059	2.197853
#2	6.200946	.0566423	.0018519	.2357404	1.326135	3.191099	2.191155
#3	6.144032	.0599875	.0017857	.2351252	1.298866	3.165661	2.170711

Sample Name: Q3412-01LX5 Acquired: 10/21/2025 19:47:41 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2077889	.0850326	-.018961
Stddev	.0036943	.0012797	.000564
%RSD	1.777905	1.504909	2.976972
#1	.2113482	.0862071	-.019322
#2	.2039730	.0852218	-.018310
#3	.2080455	.0836688	-.019250

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6009.890	99311.15	8001.283	4686.132	6849.238
Stddev	3.911	246.29	81.574	3.276	8.802
%RSD	.0650770	.2480003	1.019510	.0699182	.1285070
#1	6014.024	99412.85	8042.697	4689.675	6853.799
#2	6006.249	99030.29	7907.310	4685.511	6839.092
#3	6009.396	99490.30	8053.843	4683.211	6854.823

Sample Name: Q3412-01MS Acquired: 10/21/2025 19:51:45 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5823032	1.444427	1.394305	1.253883	.2371301	141.4964
Stddev	.0040542	.011527	.002497	.007395	.0031526	.0407
%RSD	.6962302	.7980510	.1790832	.5897597	1.329468	.0287586

#1	.5846512	1.431352	1.395395	1.254471	.2374806	141.4775
#2	.5776218	1.448803	1.396072	1.246211	.2338169	141.4687
#3	.5846366	1.453125	1.391449	1.260966	.2400927	141.5431

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.120307	.1440527	.1643551	38.68115	.4552804	.3155589
Stddev	.001917	.0004094	.0001624	.13921	.0028094	.0006783
%RSD	.1711494	.2841944	.0988285	.3598979	.6170627	.2149517

#1	1.122389	.1445081	.1641881	38.84190	.4583048	.3154178
#2	1.119920	.1437152	.1645125	38.60189	.4547843	.3162967
#3	1.118613	.1439348	.1643647	38.59967	.4527522	.3149623

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6977406	282.8600	7.200216	63.58198	.7144226	.0364629
Stddev	.0012614	2.0119	.026758	.06191	.0014913	.0001443
%RSD	.1807889	.7112712	.3716254	.0973678	.2087401	.3958180

#1	.6963221	285.0552	7.224019	63.58871	.7139953	.0366022
#2	.6981633	282.4205	7.171254	63.64024	.7160809	.0364724
#3	.6987364	281.1041	7.205375	63.51698	.7131916	.0363141

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.30442	.5158988	.9831168	29.35097	.3972884	.2610602
Stddev	.09602	.0034388	.0078116	.16967	.0026157	.0000973
%RSD	.8493633	.6665658	.7945783	.5780698	.6583936	.0372816

#1	11.41394	.5120045	.9920340	29.52793	.3988581	.2611628
#2	11.26460	.5185176	.9774817	29.33529	.3987382	.2610488
#3	11.23472	.5171743	.9798348	29.18968	.3942688	.2609691

Sample Name: Q3412-01MS Acquired: 10/21/2025 19:51:45 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5615520	4.367875	F 11.40717	F 12.75553	.8592094	.4242318
Stddev	.0009239	.007808	.09109	.01981	.0039200	.0020047
%RSD	.1645332	.1787594	.7985493	.1552705	.4562379	.4725573

#1	.5617192	4.361729	11.51235	12.74425	.8559845	.4227728
#2	.5623809	4.365234	11.35601	12.74394	.8580711	.4265177
#3	.5605559	4.376660	11.35317	12.77840	.8635726	.4234047

Elem	Sr4077
Units	ppm
Avg	.1425748
Stddev	.0015274
%RSD	1.071280

#1	.1416036
#2	.1417854
#3	.1443353

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6668.237	110857.0	9283.168	5152.166	6255.567
Stddev	13.492	718.8	15.718	23.511	16.186
%RSD	.2023371	.6483912	.1693211	.4563418	.2587508

#1	6675.614	110119.0	9265.920	5127.557	6263.249
#2	6652.665	110897.0	9286.900	5174.400	6236.970
#3	6676.433	111554.9	9296.685	5154.540	6266.481

Sample Name: Q3412-01MSD Acquired: 10/21/2025 19:55:42 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6227230	1.553529	1.608936	1.335050	.2647888	151.3552
Stddev	.0028434	.008453	.009773	.011781	.0032245	.2606
%RSD	.4566133	.5441352	.6074010	.8824053	1.217759	.1721679

#1	.6194480	1.544609	1.598222	1.321555	.2612163	151.6056
#2	.6245629	1.561421	1.617361	1.340317	.2656669	151.3744
#3	.6241581	1.554558	1.611224	1.343278	.2674833	151.0855

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.248592	.1509165	.1806509	56.33178	.4844812	.3451668
Stddev	.006308	.0009516	.0009723	.08838	.0026253	.0023129
%RSD	.5051886	.6305470	.5381947	.1568938	.5418715	.6700875

#1	1.252178	.1515050	.1795354	56.41180	.4814532	.3424961
#2	1.252290	.1514258	.1810989	56.34661	.4861193	.3464955
#3	1.241309	.1498186	.1813184	56.23692	.4858712	.3465088

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7898153	307.9125	8.071130	66.81406	.7736004	.0395167
Stddev	.0034842	1.6955	.046641	.09318	.0036879	.0001666
%RSD	.4411452	.5506396	.5778714	.1394658	.4767195	.4216054

#1	.7860053	305.9721	8.108452	66.91782	.7693605	.0393284
#2	.7928395	309.1081	8.086095	66.73751	.7760640	.0395770
#3	.7906012	308.6573	8.018844	66.78685	.7753767	.0396448

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.54417	.5583557	1.044341	31.03577	.4452493	.2829326
Stddev	.06667	.0049245	.004680	.22748	.0062265	.0005944
%RSD	.5314843	.8819550	.4481671	.7329673	1.398438	.2100789

#1	12.48834	.5634987	1.040823	30.78147	.4394114	.2822565
#2	12.61799	.5536836	1.049653	31.21989	.4445337	.2831688
#3	12.52618	.5578849	1.042547	31.10594	.4518027	.2833727

Sample Name: Q3412-01MSD Acquired: 10/21/2025 19:55:42 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6275428	4.821190	F 16.18282	F 14.65486	1.022671	.4650794
Stddev	.0050801	.021719	.20500	.13340	.009134	.0054826
%RSD	.8095274	.4504842	1.266782	.9103067	.8931809	1.178846

#1	.6216987	4.835699	15.95977	14.50163	1.014114	.4672735
#2	.6309035	4.831651	16.36299	14.74511	1.021609	.4691252
#3	.6300263	4.796221	16.22568	14.71785	1.032290	.4588396

Elem	Sr4077
Units	ppm
Avg	.2328000
Stddev	.0034556
%RSD	1.484361

#1	.2367256
#2	.2314563
#3	.2302181

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6787.802	112172.6	9624.391	5140.744	6154.831
Stddev	16.143	685.1	40.221	29.599	20.177
%RSD	.2378186	.6107749	.4179040	.5757645	.3278177

#1	6805.981	112959.8	9595.992	5160.090	6178.118
#2	6775.143	111711.0	9606.765	5106.671	6142.553
#3	6782.284	111846.9	9670.415	5155.473	6143.823

Sample Name: Q3412-01A Acquired: 10/21/2025 19:59:39 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7028636	1.584354	3.098737	1.486233	.6208834	168.4437
Stddev	.0048679	.042537	.005004	.005395	.0014551	.6795
%RSD	.6925739	2.684793	.1614952	.3629781	.2343578	.4034058

#1	.7079732	1.619530	3.098503	1.492344	.6217512	169.2167
#2	.7023372	1.596455	3.103854	1.484224	.6216955	167.9409
#3	.6982803	1.537078	3.093853	1.482131	.6192035	168.1735

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.318234	.1632867	.1975591	38.37151	.5144009	.3927218
Stddev	.012094	.0011043	.0004628	.18695	.0021089	.0004305
%RSD	.9174068	.6762626	.2342437	.4872089	.4099808	.1096257

#1	1.332025	.1645236	.1979779	38.58691	.5124806	.3926206
#2	1.309439	.1624002	.1976371	38.25147	.5140642	.3931939
#3	1.313238	.1629362	.1970623	38.27614	.5166580	.3923509

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8850083	416.4095	8.476890	80.74223	.9002396	.0399070
Stddev	.0028312	.7115	.088235	.54234	.0017841	.0009651
%RSD	.3199039	.1708647	1.040895	.6716945	.1981825	2.418295

#1	.8860450	417.1993	8.578497	81.36839	.9020813	.0389304
#2	.8871750	415.8188	8.419571	80.42004	.9001183	.0408602
#3	.8818049	416.2104	8.432601	80.43828	.8985193	.0399303

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.47342	.6421356	1.220457	34.60950	.5388350	.3097112
Stddev	.02100	.0050347	.003758	.06497	.0069004	.0009428
%RSD	.1357402	.7840492	.3078847	.1877125	1.280614	.3044187

#1	15.48464	.6479000	1.216229	34.55099	.5458748	.3103717
#2	15.48644	.6386004	1.221728	34.67941	.5320830	.3101304
#3	15.44919	.6399062	1.223414	34.59811	.5385472	.3086315

Sample Name: Q3412-01A Acquired: 10/21/2025 19:59:39 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.892744	5.571525	F 13.74538	F 16.23449	.9585359	.5396008
Stddev	.006145	.033196	.09006	.01016	.0054254	.0084069
%RSD	.3246591	.5958118	.6552346	.0625982	.5660046	1.557990

#1	1.899297	5.608412	13.76914	16.23666	.9646478	.5463505
#2	1.891823	5.544057	13.82119	16.22341	.9566711	.5301838
#3	1.887111	5.562104	13.64582	16.24339	.9542889	.5422682

Elem	Sr4077
Units	ppm
Avg	.0675187
Stddev	.0026686
%RSD	3.952383

#1	.0705946
#2	.0658199
#3	.0661417

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6780.494	113160.1	9556.127	5254.034	6024.407
Stddev	12.522	391.6	58.031	5.501	4.928
%RSD	.1846736	.3460317	.6072657	.1047032	.0817966

#1	6781.444	113564.7	9491.028	5248.457	6019.123
#2	6767.524	113132.6	9602.430	5259.456	6025.222
#3	6792.514	112783.0	9574.923	5254.188	6028.878

Sample Name: CCV08 Acquired: 10/21/2025 20:03:35 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	4.854437	5.054986	4.726700	4.974182	4.998996	9.516841	9.606084
Stddev	.010069	.091936	.004820	.011098	.012814	.013602	.061278
%RSD	.2074167	1.818728	.1019738	.2231036	.2563412	.1429237	.6379094
#1	4.864673	5.144980	4.725937	4.985245	5.013792	9.501275	9.581565
#2	4.844544	5.058753	4.722307	4.963050	4.991483	9.522813	9.560863
#3	4.854095	4.961223	4.731856	4.974251	4.991712	9.526436	9.675826
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.342399	2.325151	23.70575	9.145844	2.357903	1.207074	4.830467
Stddev	.0059789	.003211	.07763	.0321508	.002244	.002147	.094087
%RSD	2.552476	.1380843	.3274833	3.515341	.0951837	.1778751	1.947782
#1	2.372187	2.325700	23.62558	9.365586	2.357848	1.209361	4.832913
#2	2.273568	2.321701	23.71110	8.776835	2.355687	1.205101	4.735180
#3	2.381443	2.328052	23.78057	9.295110	2.360175	1.206759	4.923307
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.407964	23.57627	2.354030	1.186064	23.26401	2.400230	2.340025
Stddev	.009365	.05895	.003595	.052994	.51712	.015000	.111798
%RSD	.3889068	.2500434	.1527263	4.468021	2.222820	.6249435	4.777632
#1	2.400132	23.52652	2.354483	1.212577	23.33056	2.395513	2.401487
#2	2.405424	23.56092	2.350230	1.125047	22.71684	2.388155	2.210981
#3	2.418337	23.64138	2.357377	1.220568	23.74463	2.417021	2.407608
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.13775	4.770534	4.814846	4.700257	4.805881	4.869168	4.827545
Stddev	.47286	.150394	.012978	.004421	.020880	.065455	.004988
%RSD	2.043673	3.152569	.2695367	.0940541	.4344648	1.344283	.1033278
#1	23.32839	4.839977	4.829610	4.702086	4.793530	4.894781	4.821785
#2	22.59933	4.597965	4.805240	4.695216	4.794124	4.794779	4.830421
#3	23.48553	4.873658	4.809689	4.703470	4.829988	4.917943	4.830429

Sample Name: CCV08 Acquired: 10/21/2025 20:03:35 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.824477	4.722815	4.752408
Stddev	.008276	.059595	.011858
%RSD	.1715356	1.261861	.2495075

#1	4.833830	4.693298	4.739372
#2	4.818105	4.683739	4.762553
#3	4.821497	4.791408	4.755298

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5666.604	96020.88	7643.946	4535.219	6612.085
Stddev	7.764	1572.61	12.144	102.450	4.088
%RSD	.1370190	1.637779	.1588674	2.258996	.0618187

#1	5657.797	94968.03	7642.490	4468.239	6615.205
#2	5672.461	97828.61	7632.597	4653.156	6613.592
#3	5669.553	95266.01	7656.753	4484.261	6607.458

Sample Name: CCB08 Acquired: 10/21/2025 20:07:38 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001162	.0006281	-.000125	.0017777	-.000469	-.000865
Stddev	.0018251	.0016744	.000876	.0013349	.000278	.005225
%RSD	1570.997	266.5919	702.4368	75.09086	59.15156	604.3850

#1	.0011154	.0007282	-.000122	.0002481	-.000751	-.005944
#2	-.001990	-.001094	.000750	.0023773	-.000195	-.001145
#3	.001223	.002250	-.001002	.0027076	-.000463	.004495

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.007531	-.000032	-.000044	.0063733	-.000020	-.000141
Stddev	.000891	.000011	.000064	.0041387	.000069	.000114
%RSD	11.83217	35.99592	145.8034	64.93853	348.4079	80.76419

#1	-.008468	-.000024	-.000074	.0031388	-.000069	-.000182
#2	-.007430	-.000045	-.000087	.0110373	.000059	-.000012
#3	-.006695	-.000026	.000030	.0049438	-.000049	-.000230

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001937	.0063457	.0000825	-.005541	-.000252	.0000300
Stddev	.0000960	.0070417	.0003009	.013699	.000194	.0001440
%RSD	49.57796	110.9672	364.8760	247.2344	77.12807	479.3103

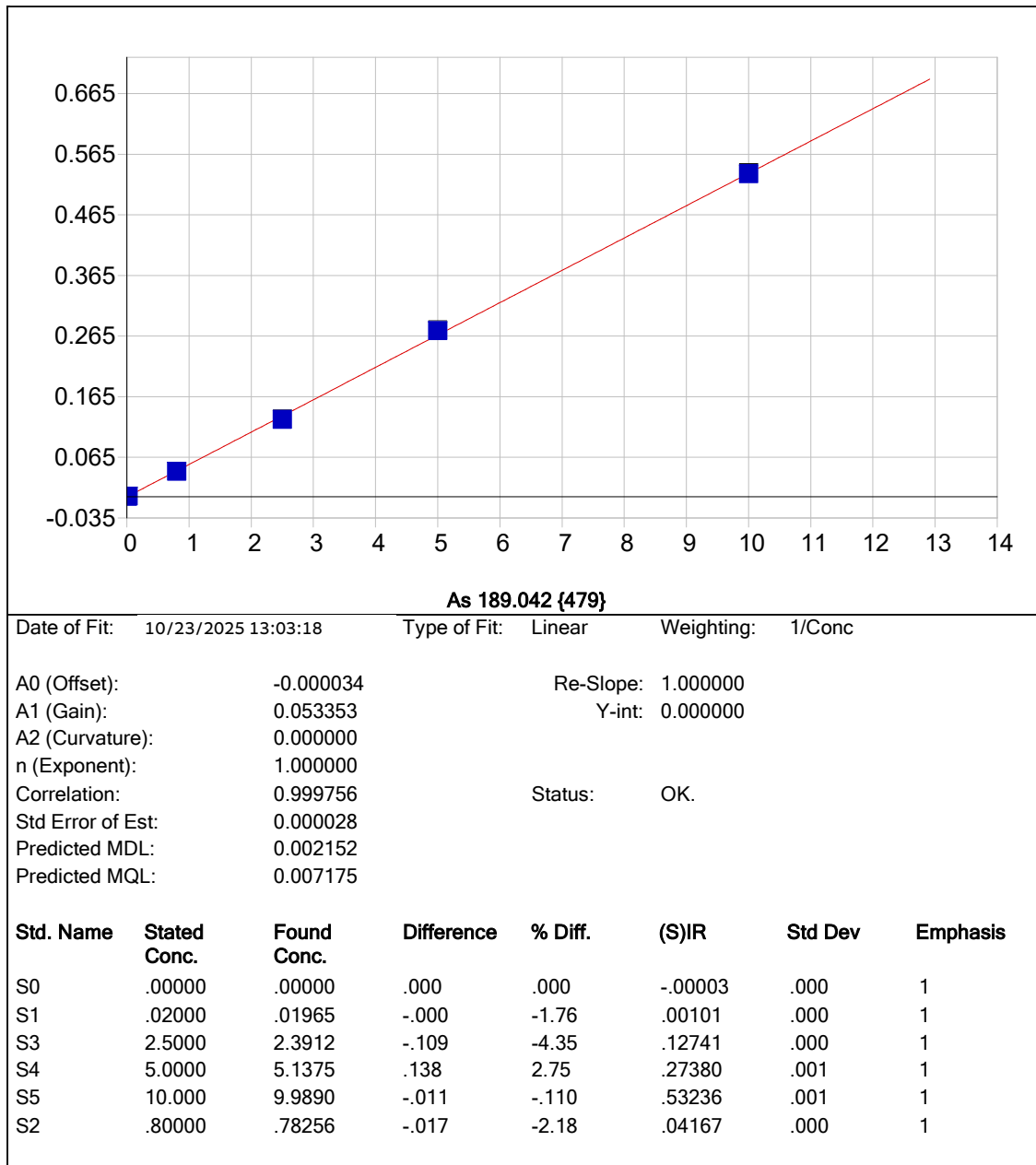
#1	.0001884	.0098543	.0000737	-.009112	-.000476	.0000456
#2	.0001004	.0109439	.0003876	-.017101	-.000148	-.000121
#3	.0002922	-.001761	-.000214	.009590	-.000132	.000166

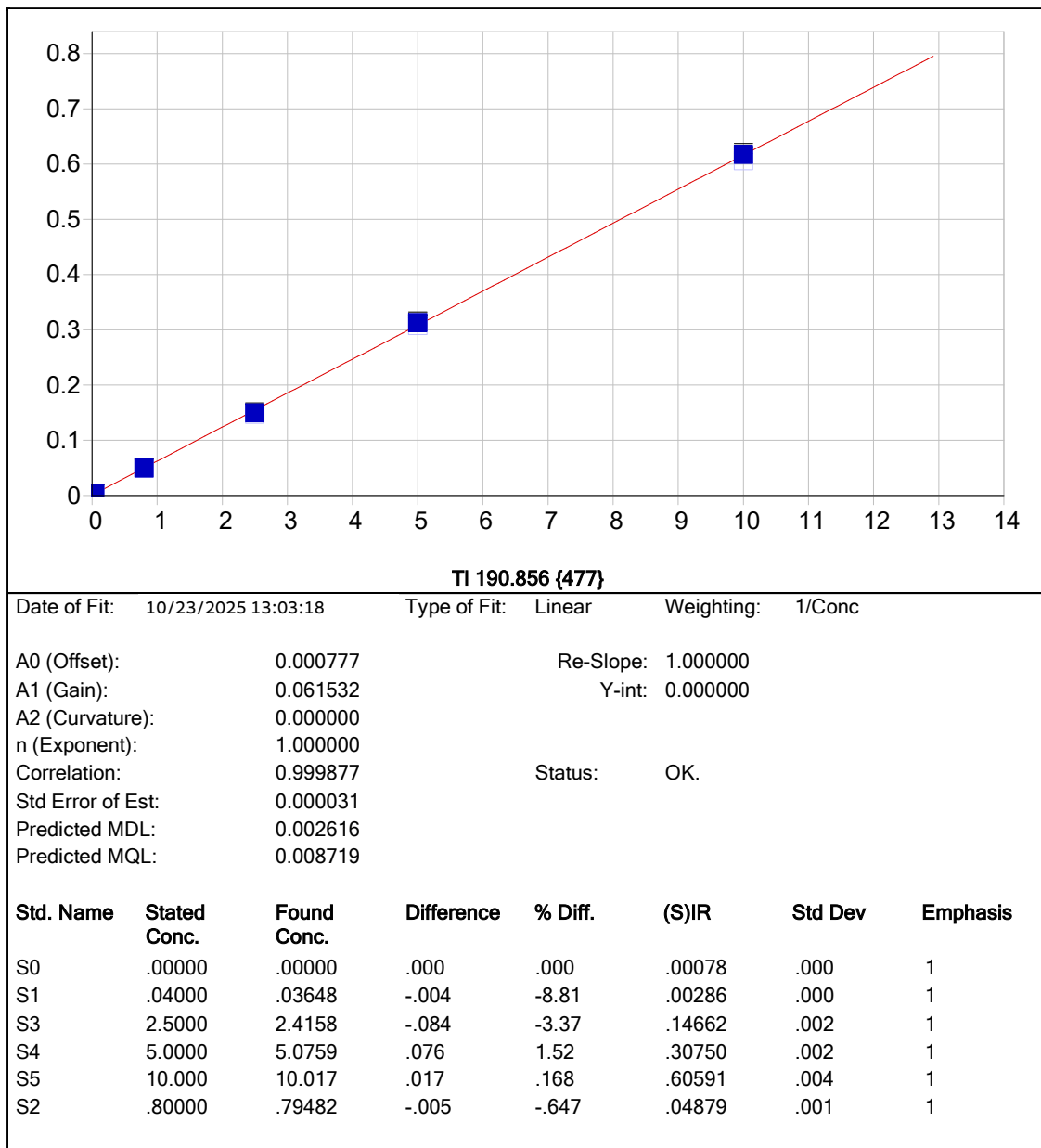
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1574838	-.001450	-.000091	.1290764	-.016235	.0004694
Stddev	.0108221	.002465	.000241	.0091751	.000416	.0001155
%RSD	6.871868	169.9758	265.1425	7.108260	2.562350	24.59732

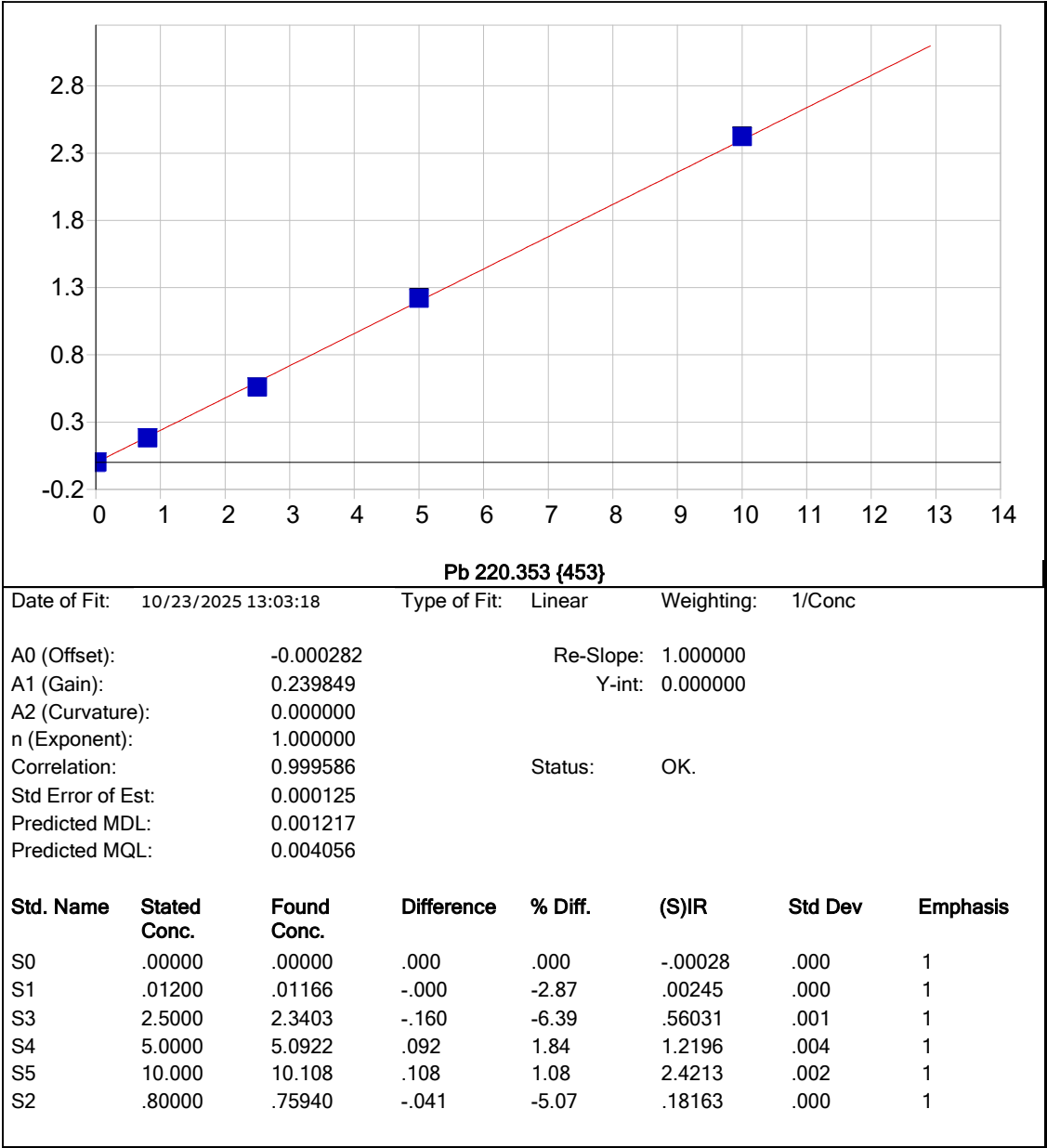
#1	.1646916	.001013	-.000321	.1240929	-.016671	.0003361
#2	.1450394	-.001447	.000159	.1396648	-.015843	.0005348
#3	.1627202	-.003917	-.000110	.1234715	-.016191	.0005372

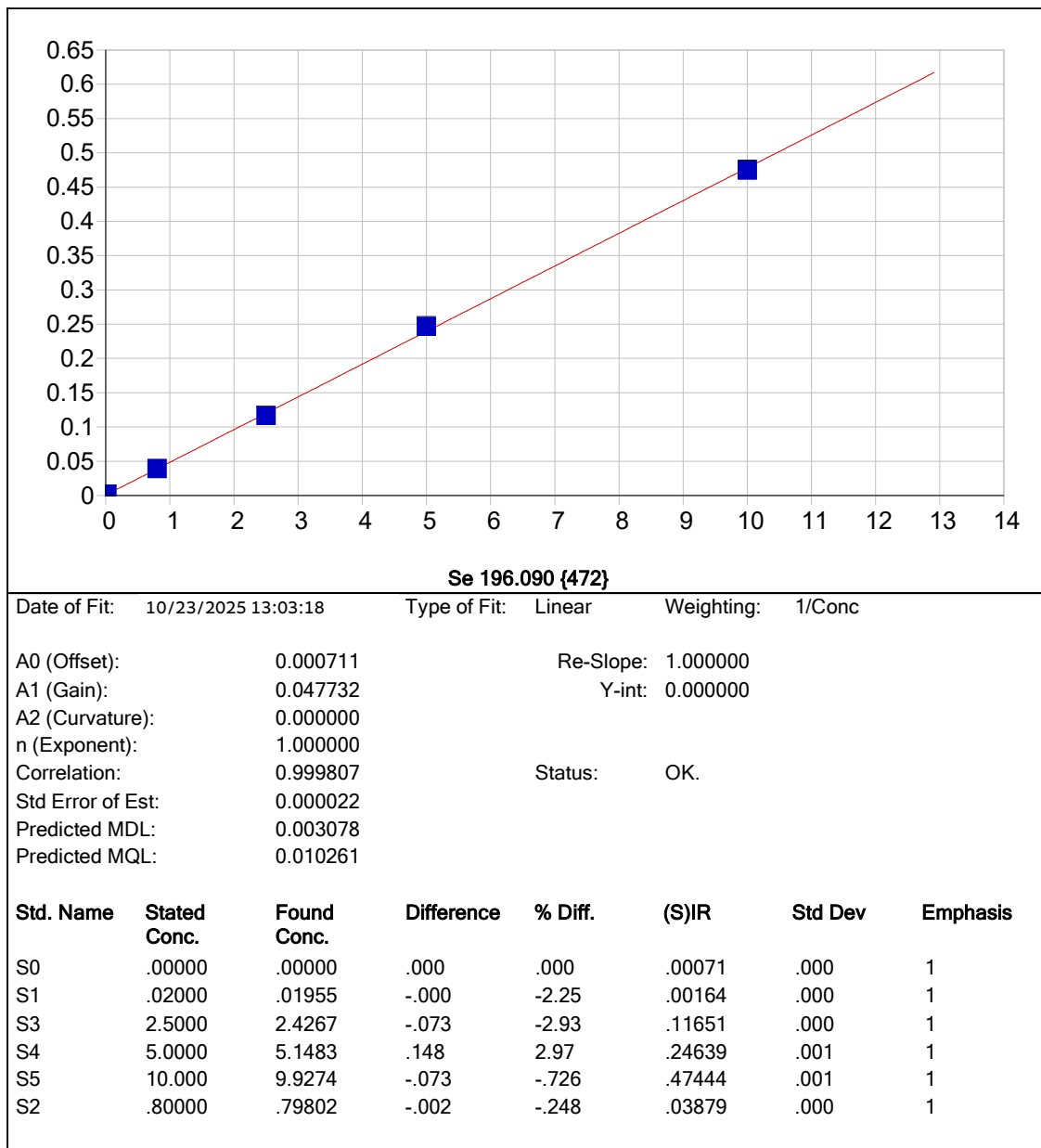
Sample Name: CCB08 Acquired: 10/21/2025 20:07:38 Type: Unk
Method: 6010-200.7 NEW(v304) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

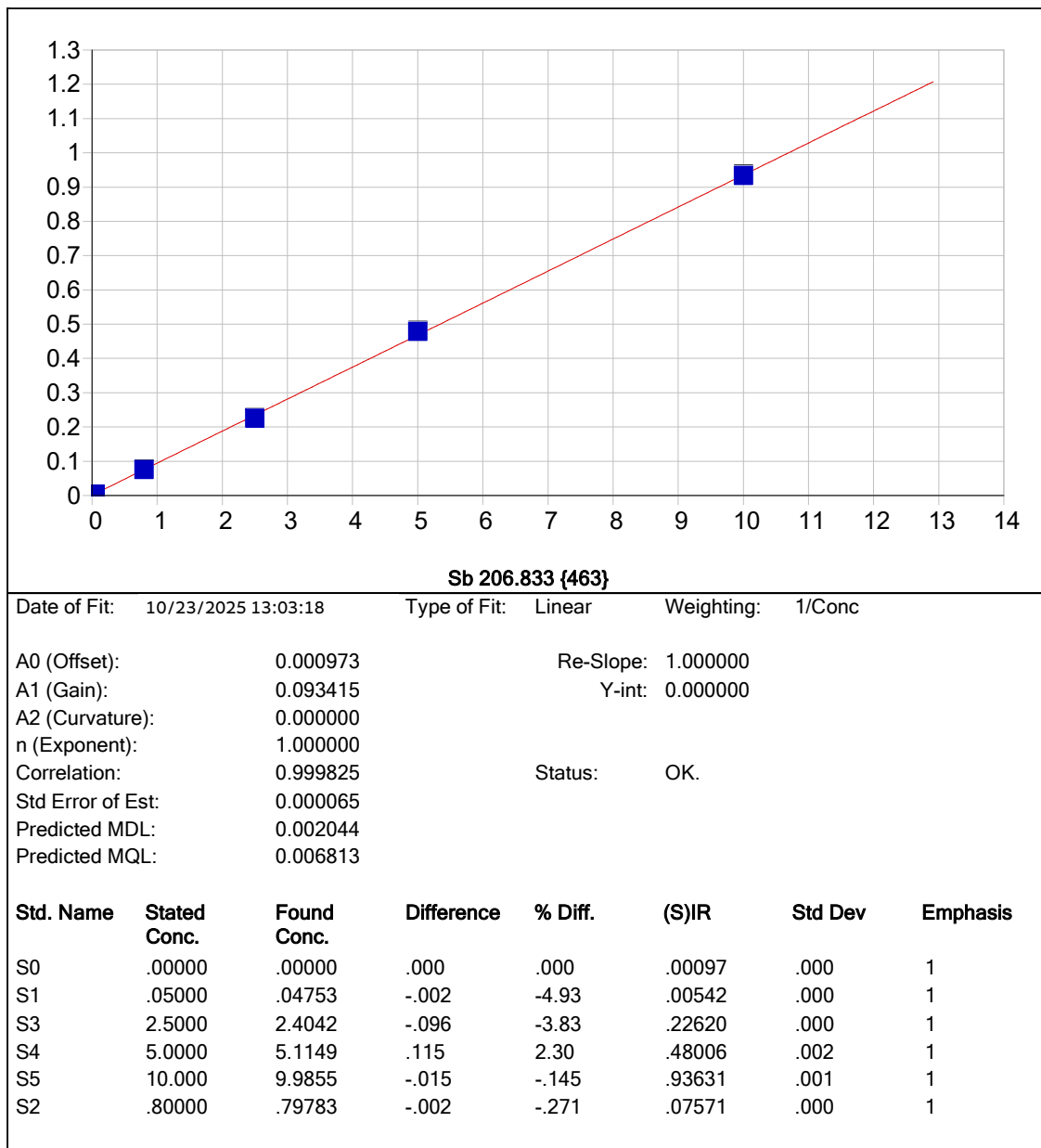
Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.016558	-.000295	-.013554	.0018715	F .0120510	F -.010281
Stddev	.000705	.002133	.005507	.0012768	.0006007	.000513
%RSD	4.259570	722.9025	40.62899	68.22305	4.984286	4.985999
#1	-.016109	.001032	-.019879	.0006636	.0119762	-.009702
#2	-.016193	.000839	-.009818	.0017434	.0114913	-.010677
#3	-.017371	-.002756	-.010966	.0032075	.0126856	-.010463
Elem	Sr4077					
Units	ppm					
Avg	.0000897					
Stddev	.0000521					
%RSD	58.02516					
#1	.0000840					
#2	.0001444					
#3	.0000408					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	5695.234	97048.49	7676.319	4546.676	7485.464	
Stddev	12.626	194.76	53.467	13.045	12.046	
%RSD	.2217016	.2006874	.6965213	.2869221	.1609186	
#1	5709.251	96841.94	7737.173	4532.221	7498.788	
#2	5691.698	97074.72	7654.911	4557.573	7475.346	
#3	5684.752	97228.81	7636.874	4550.236	7482.258	

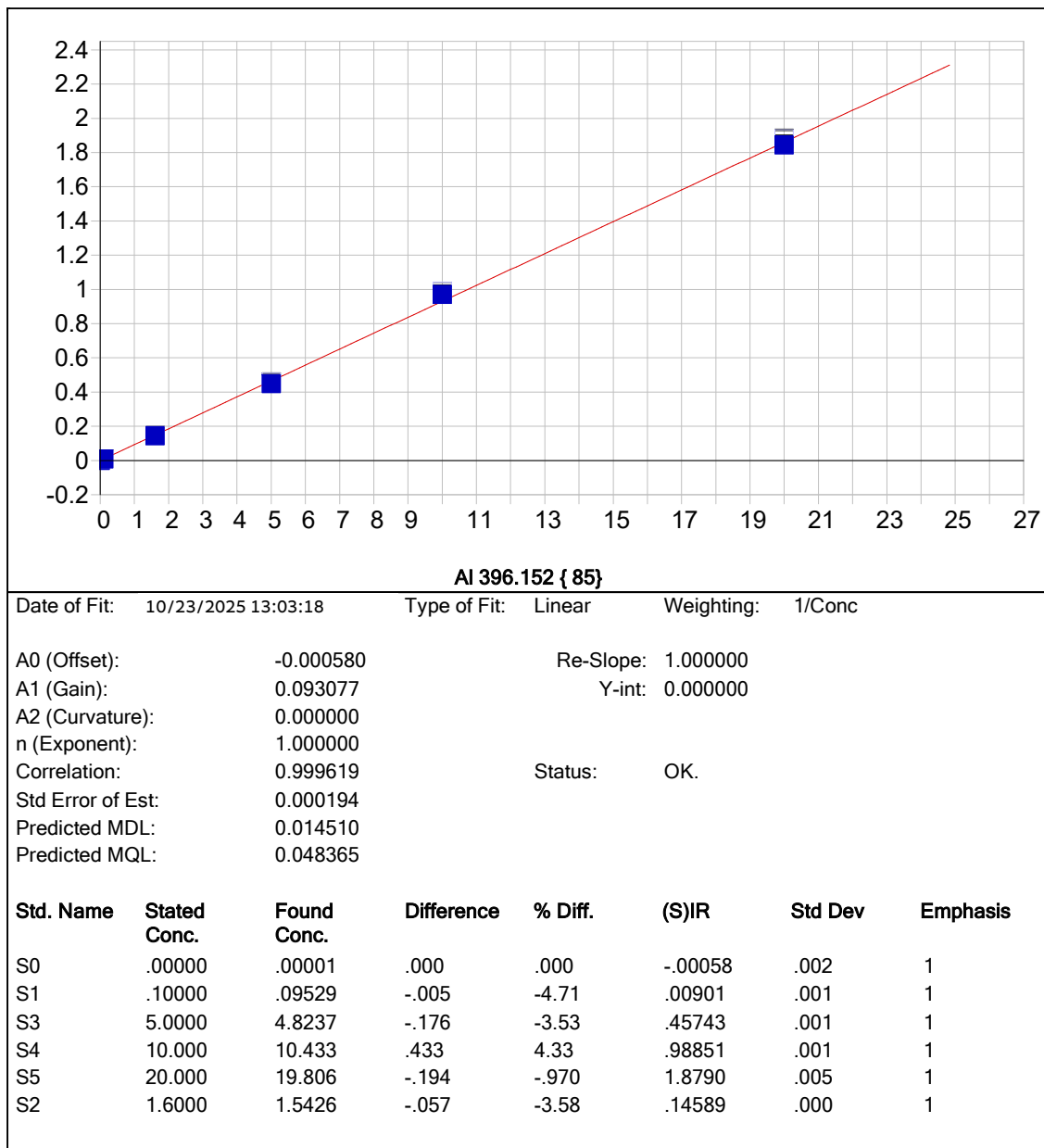


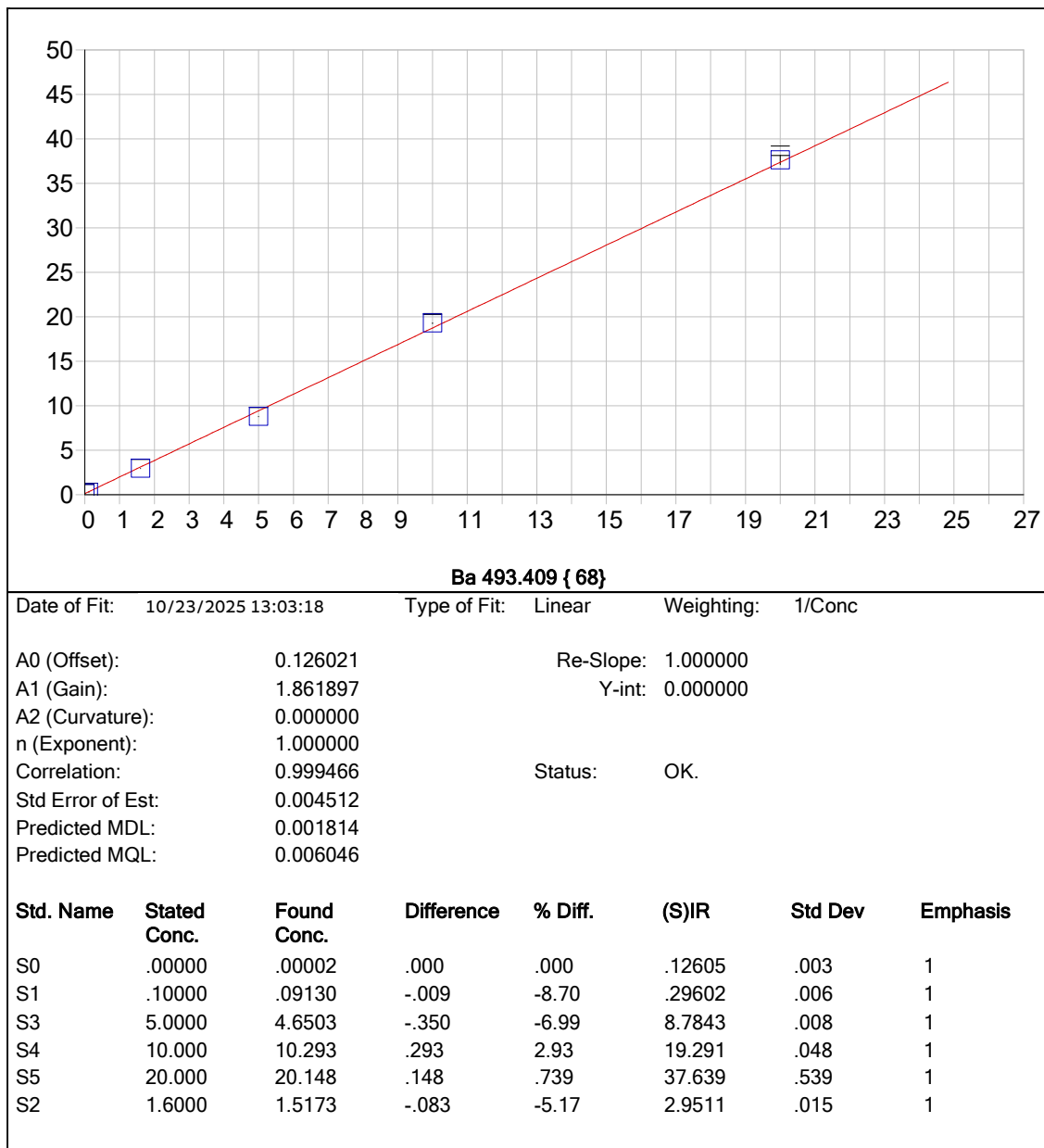


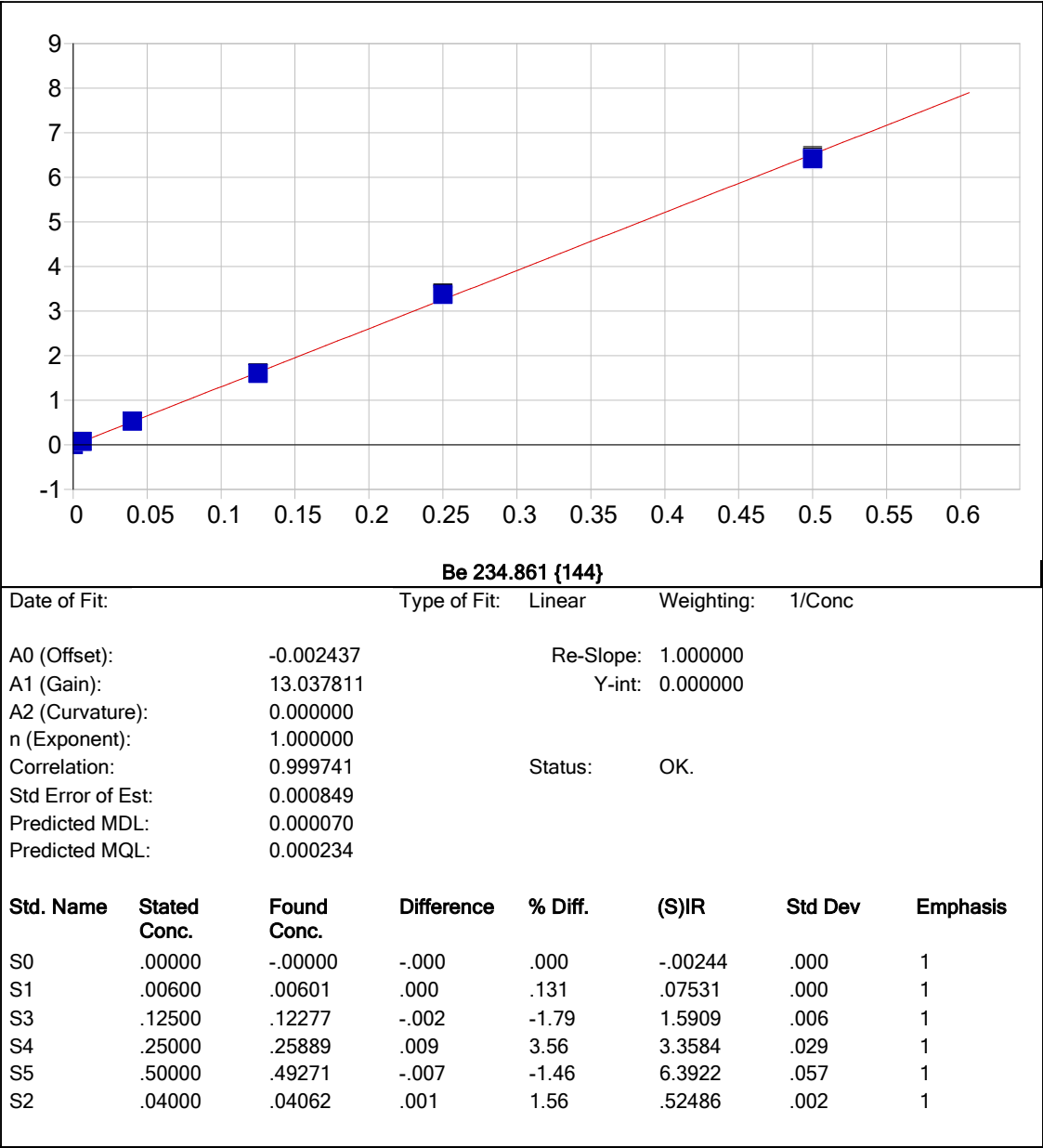


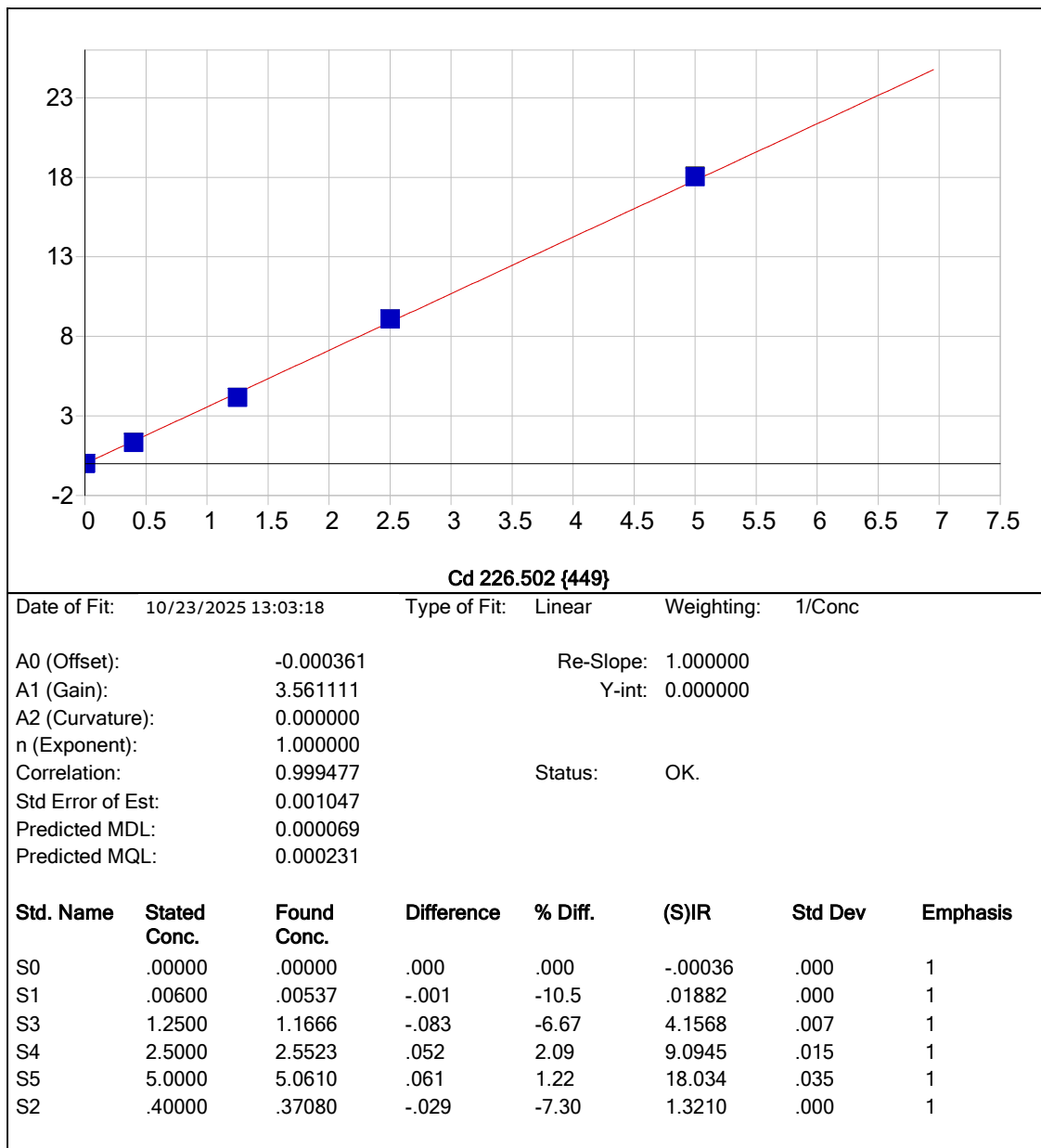


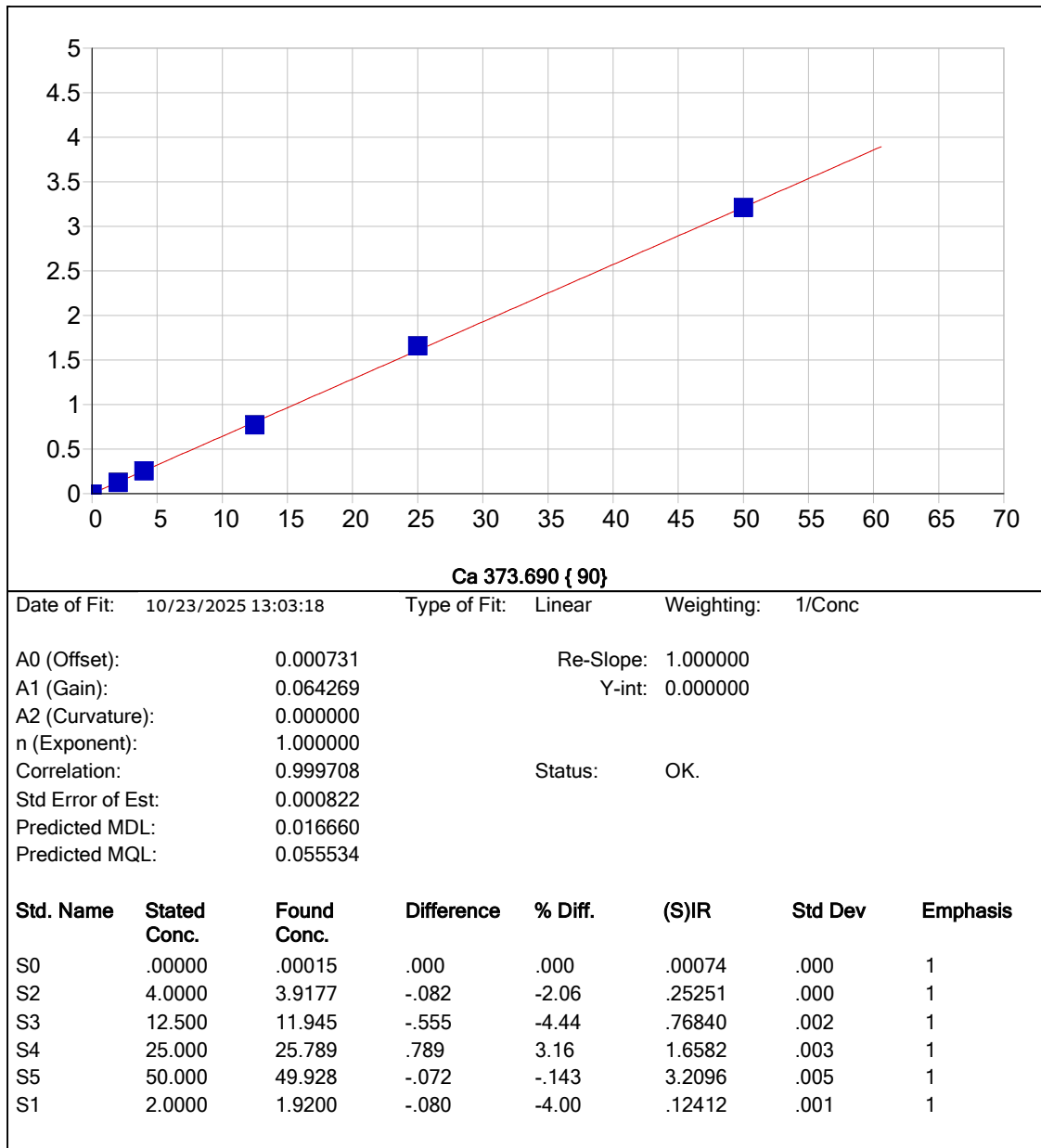


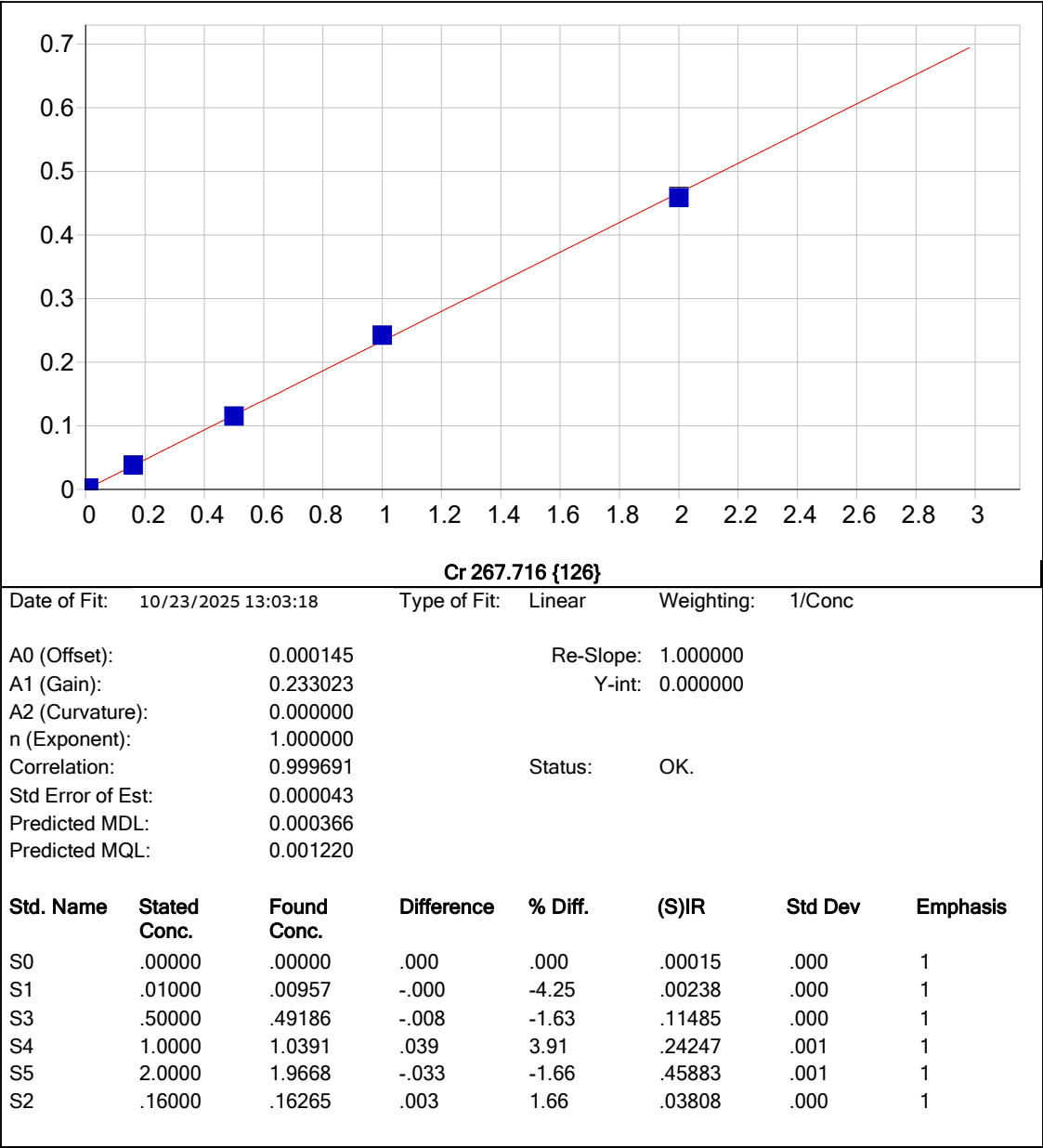


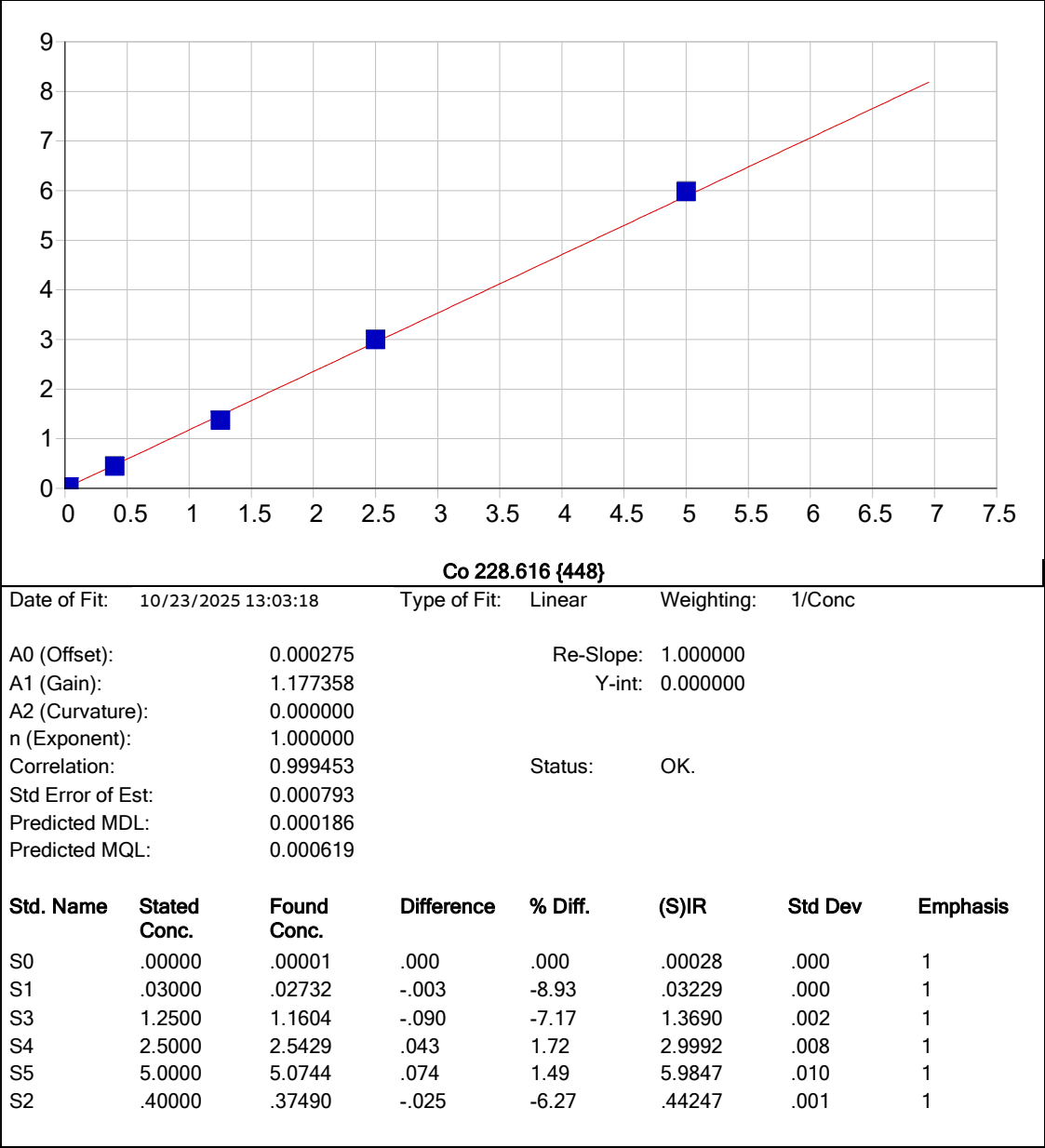


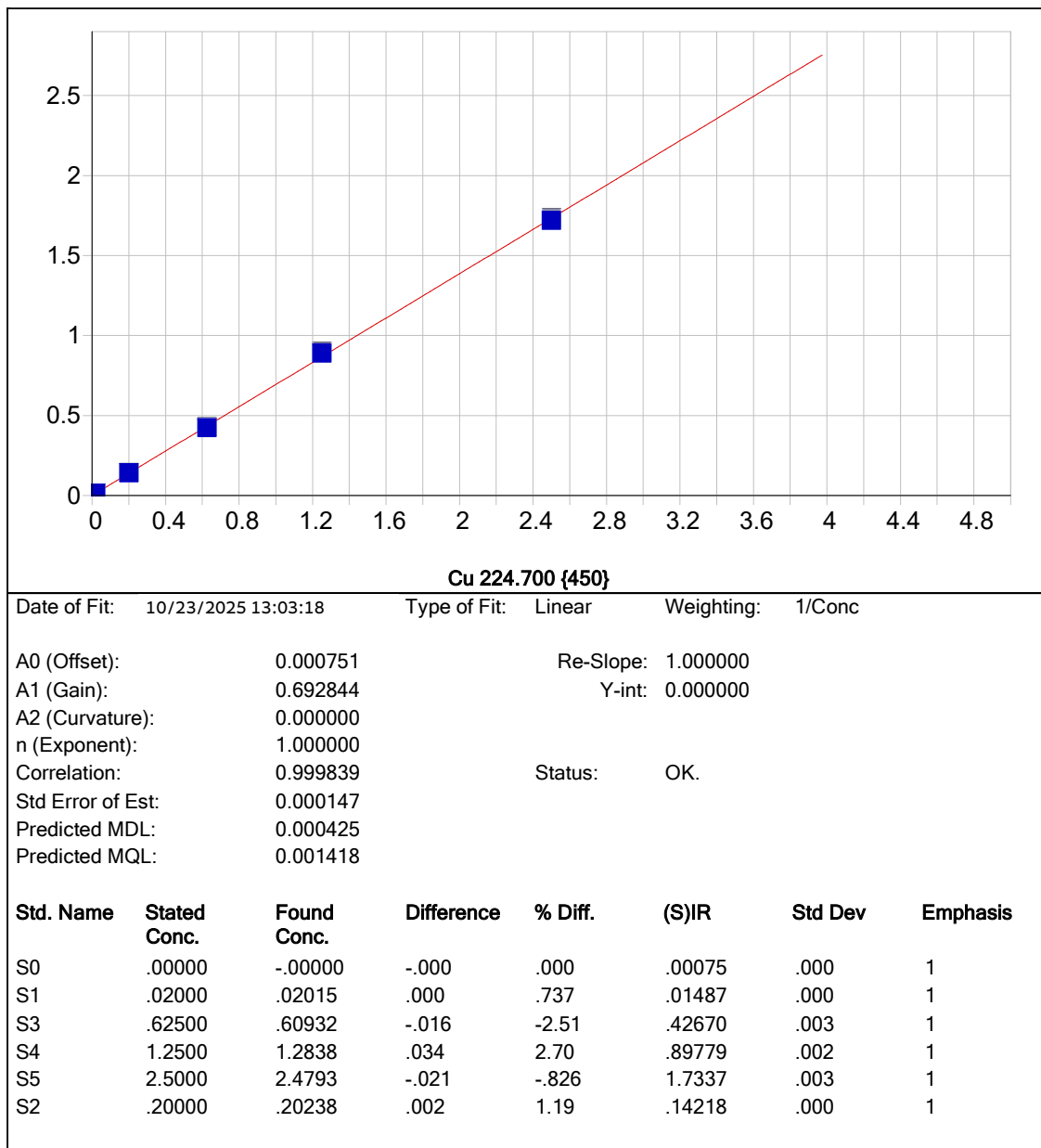




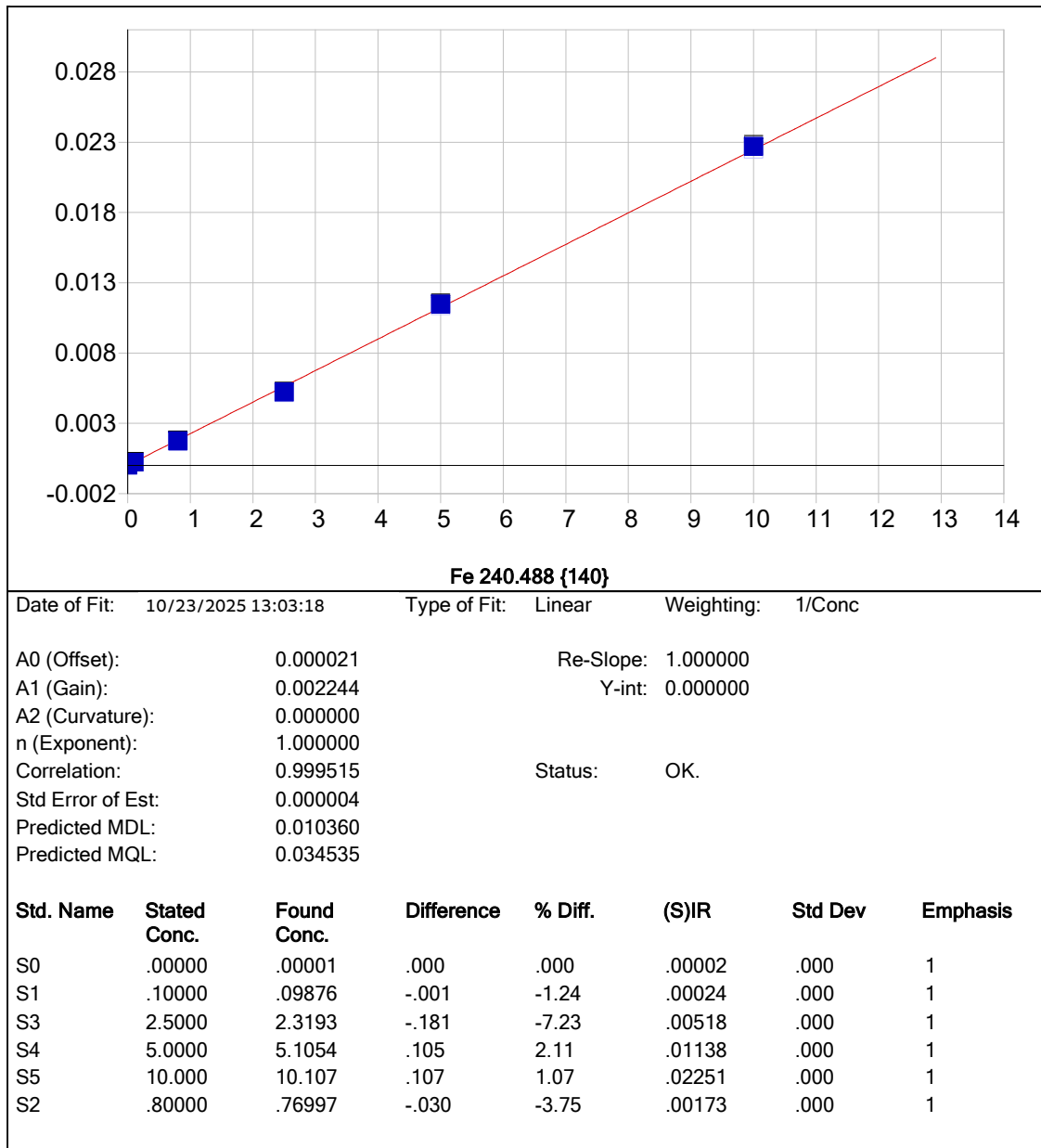


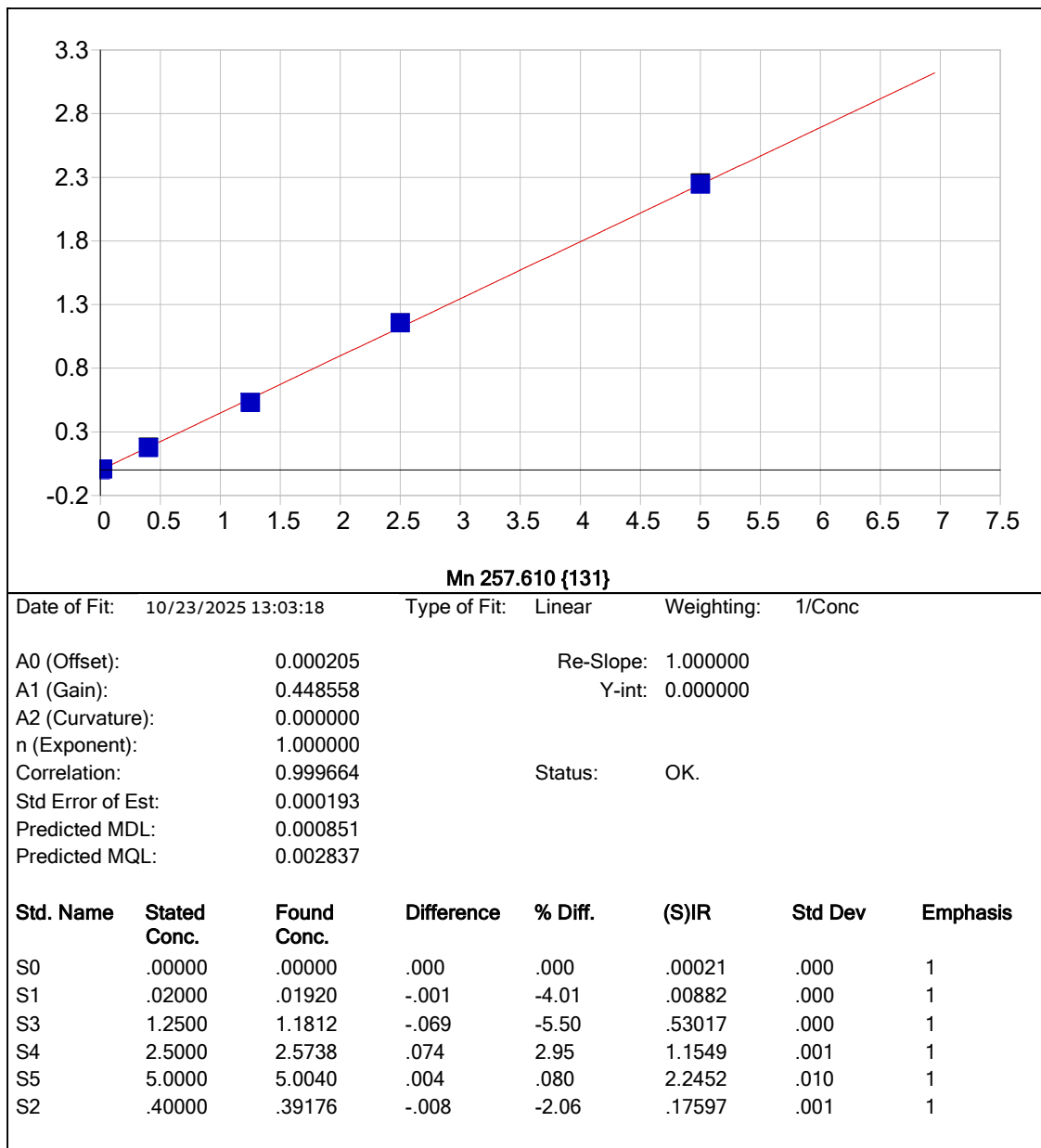


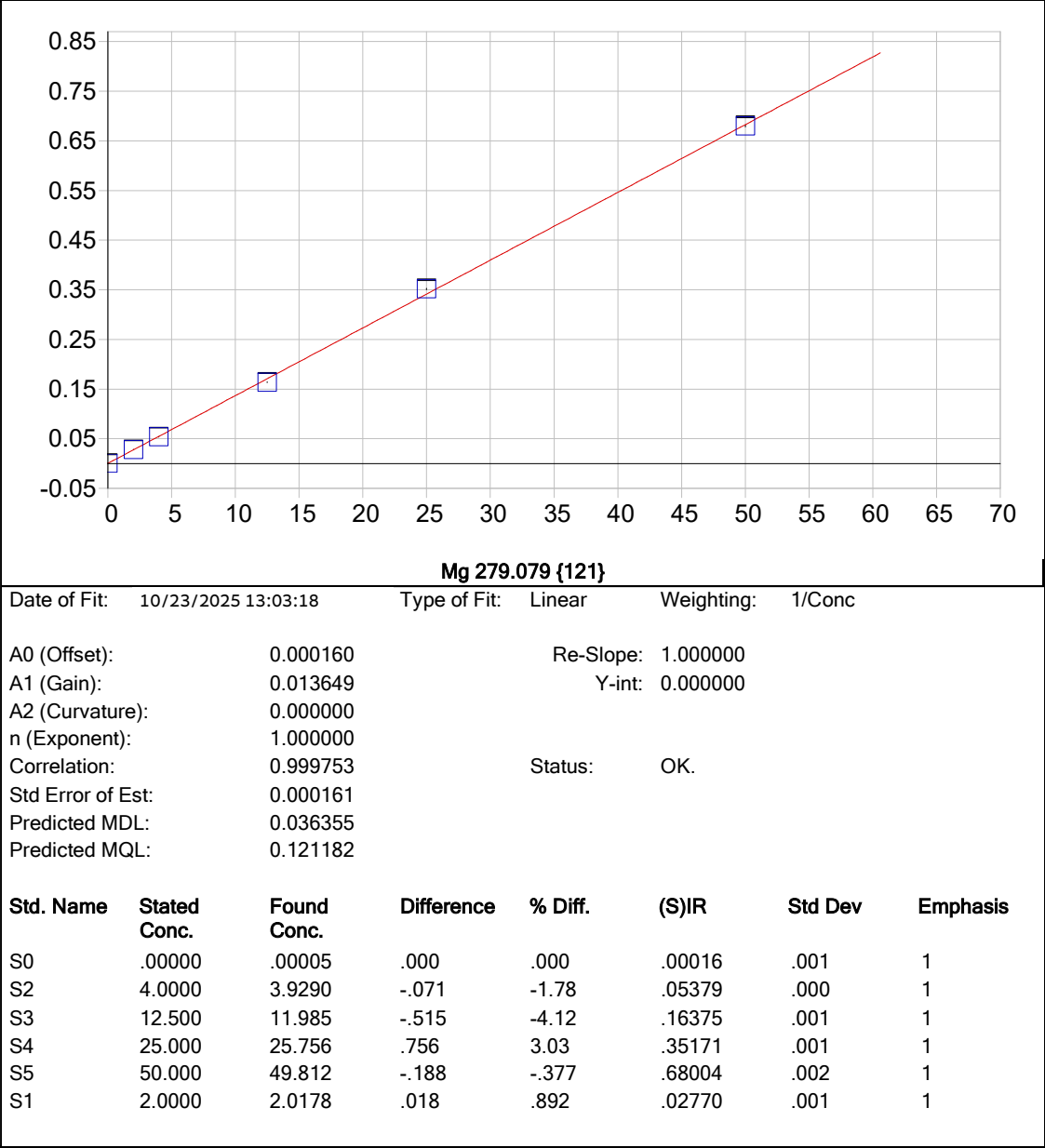


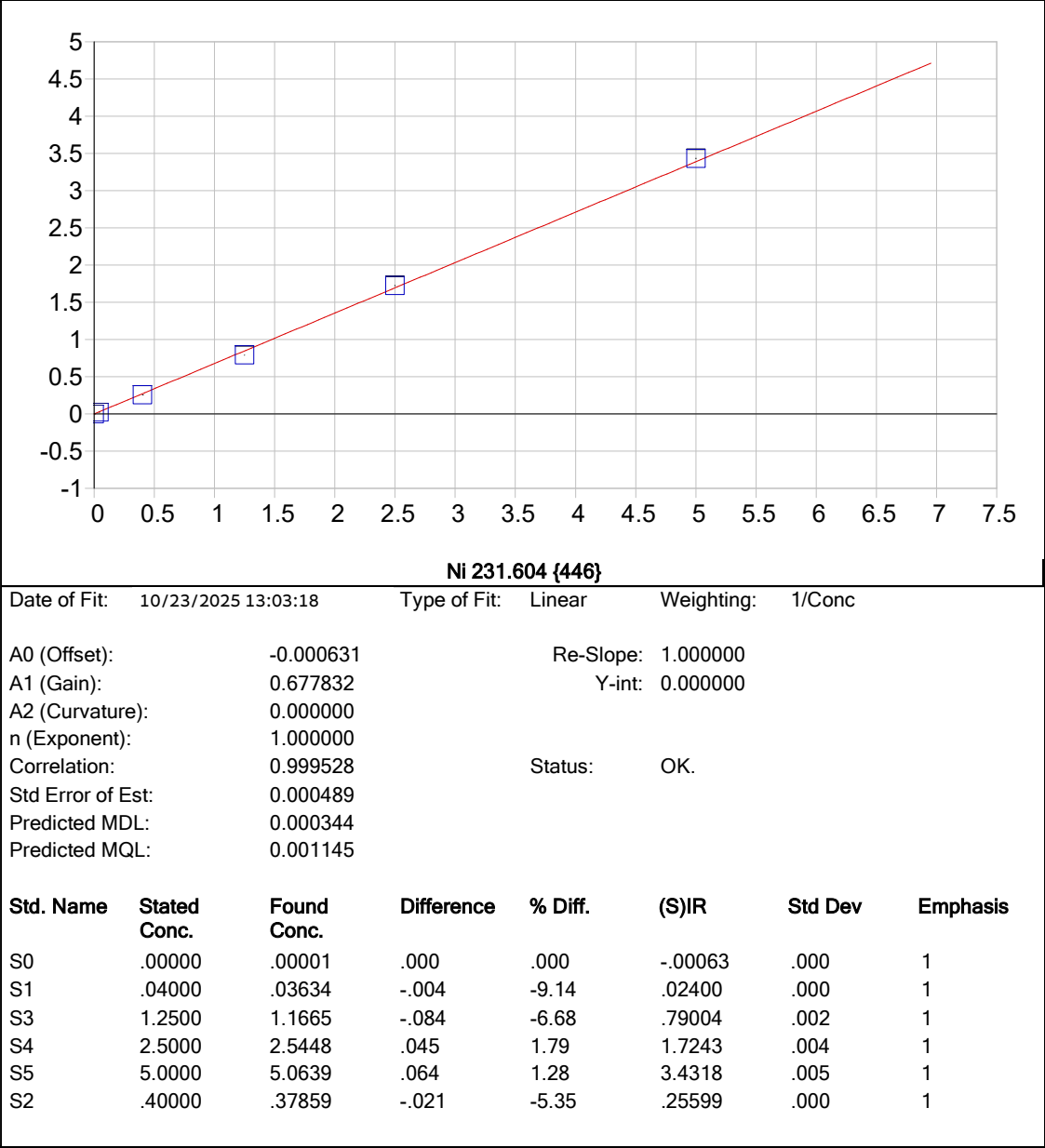


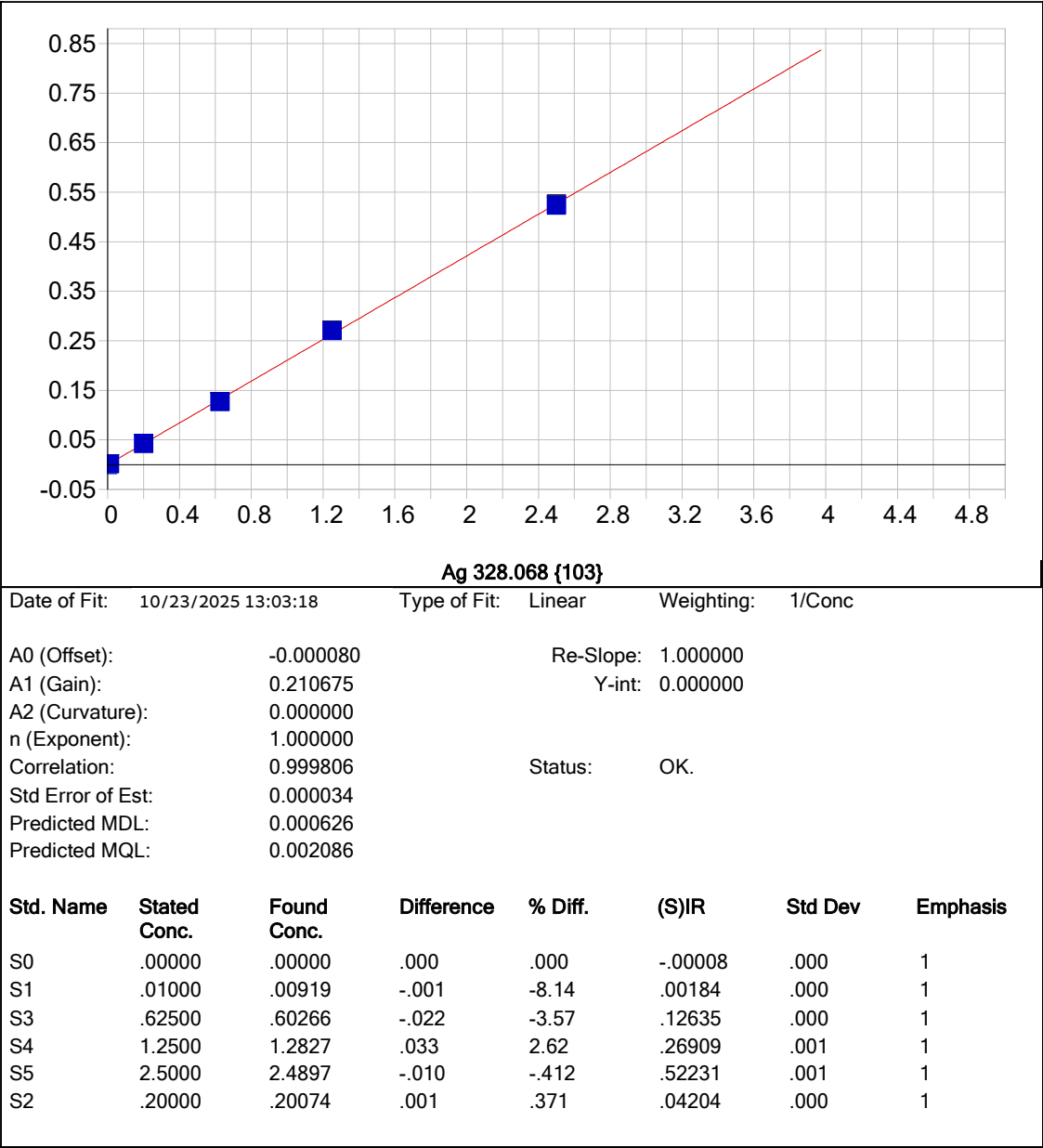
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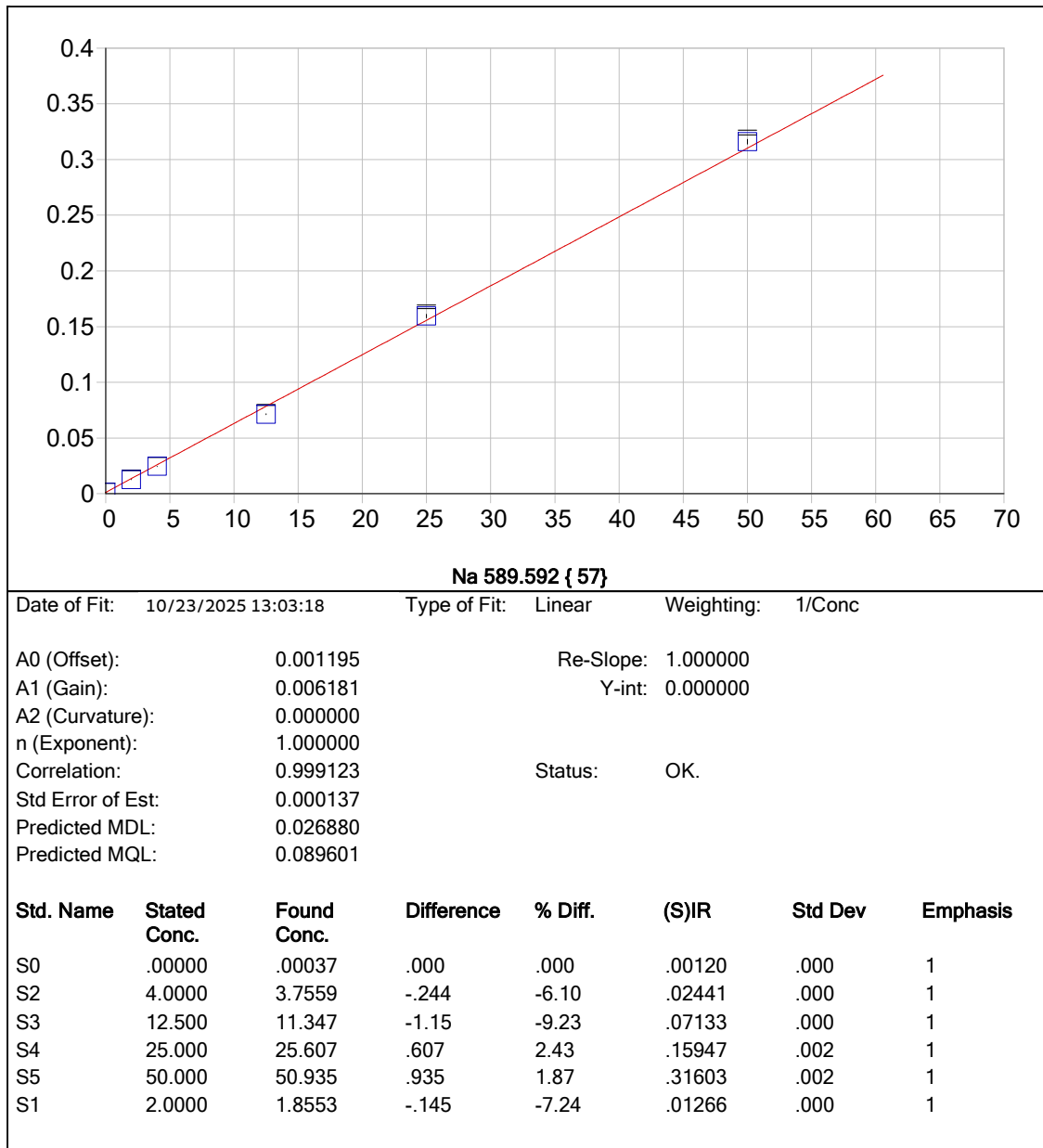


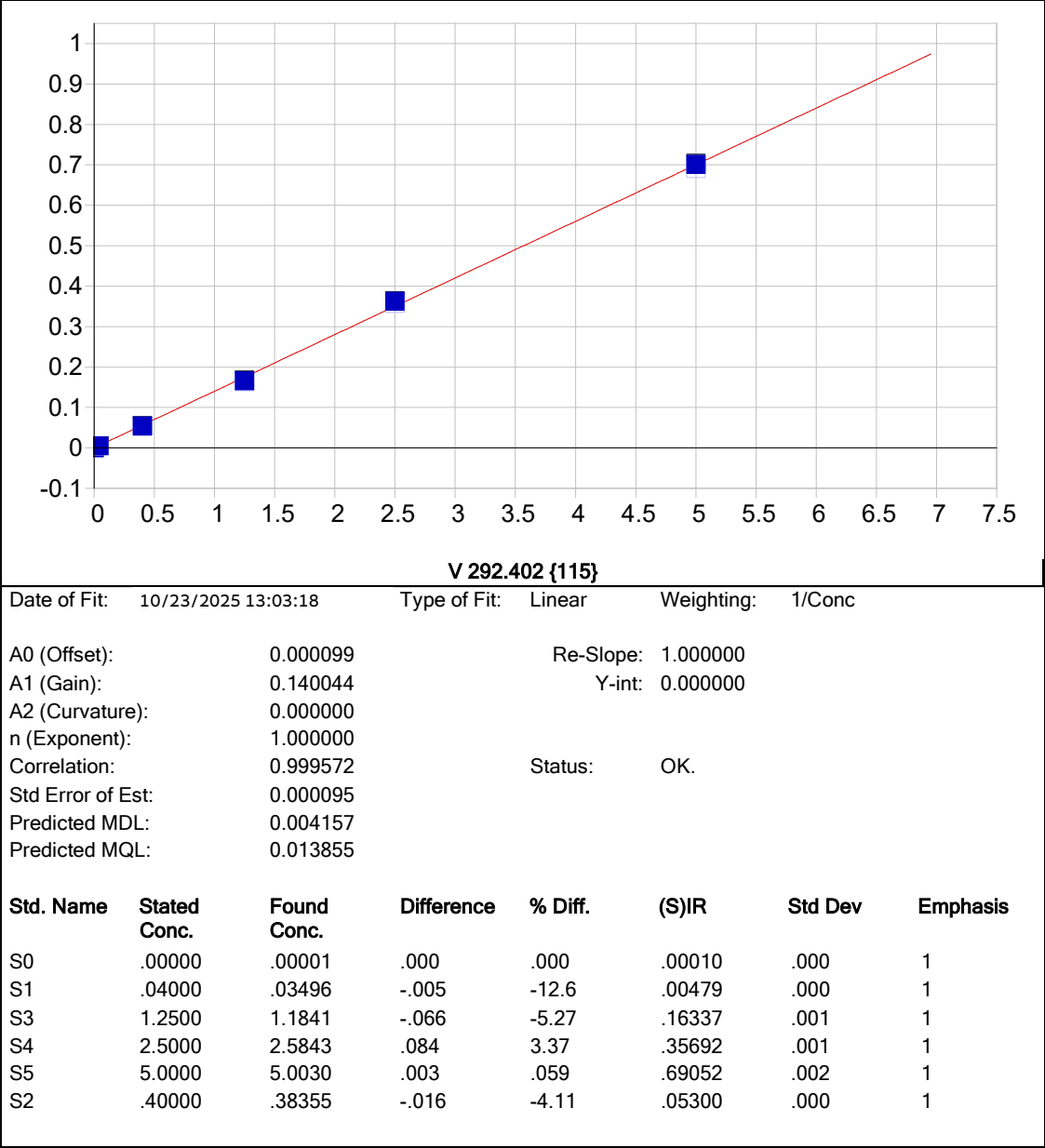


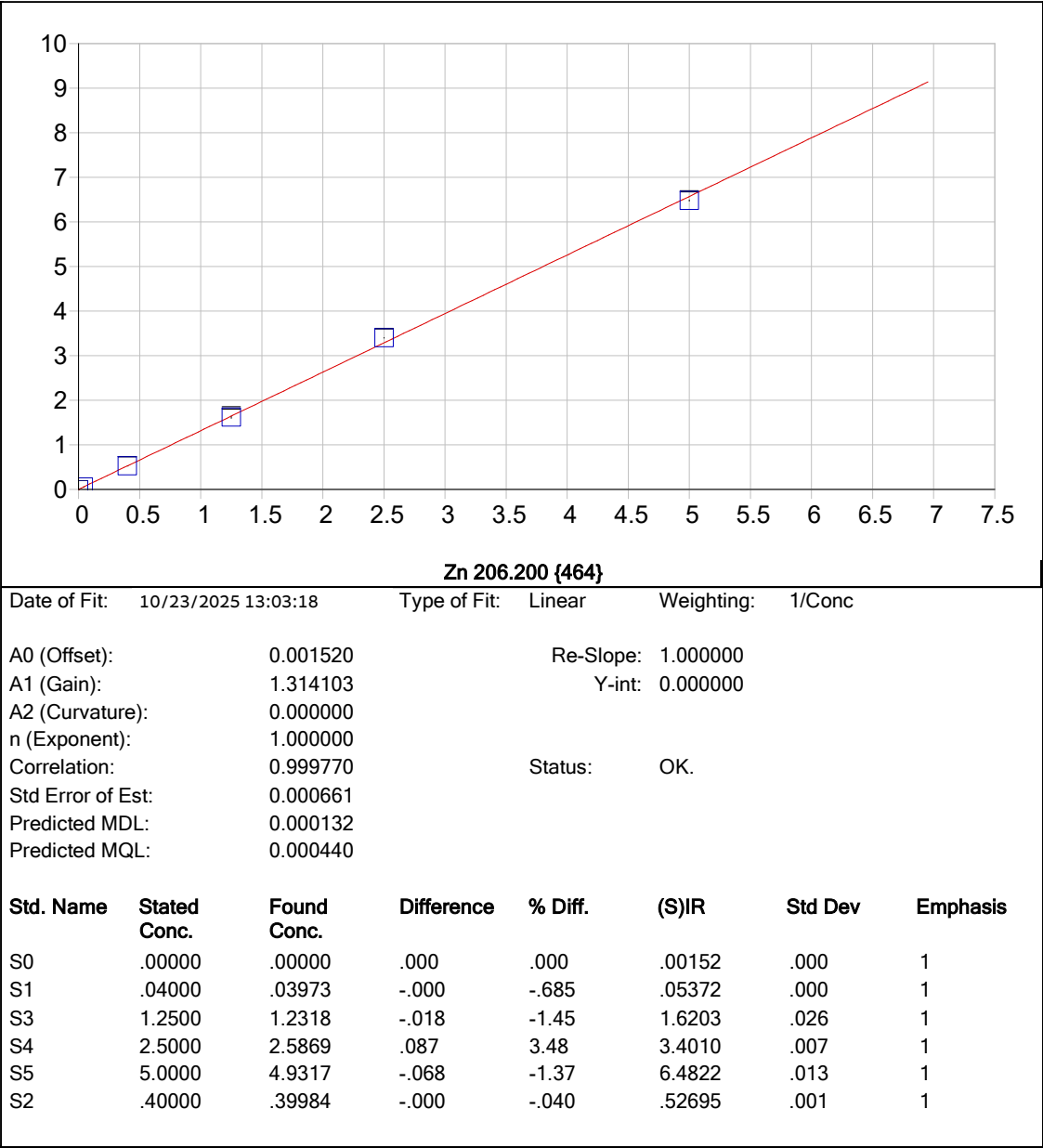


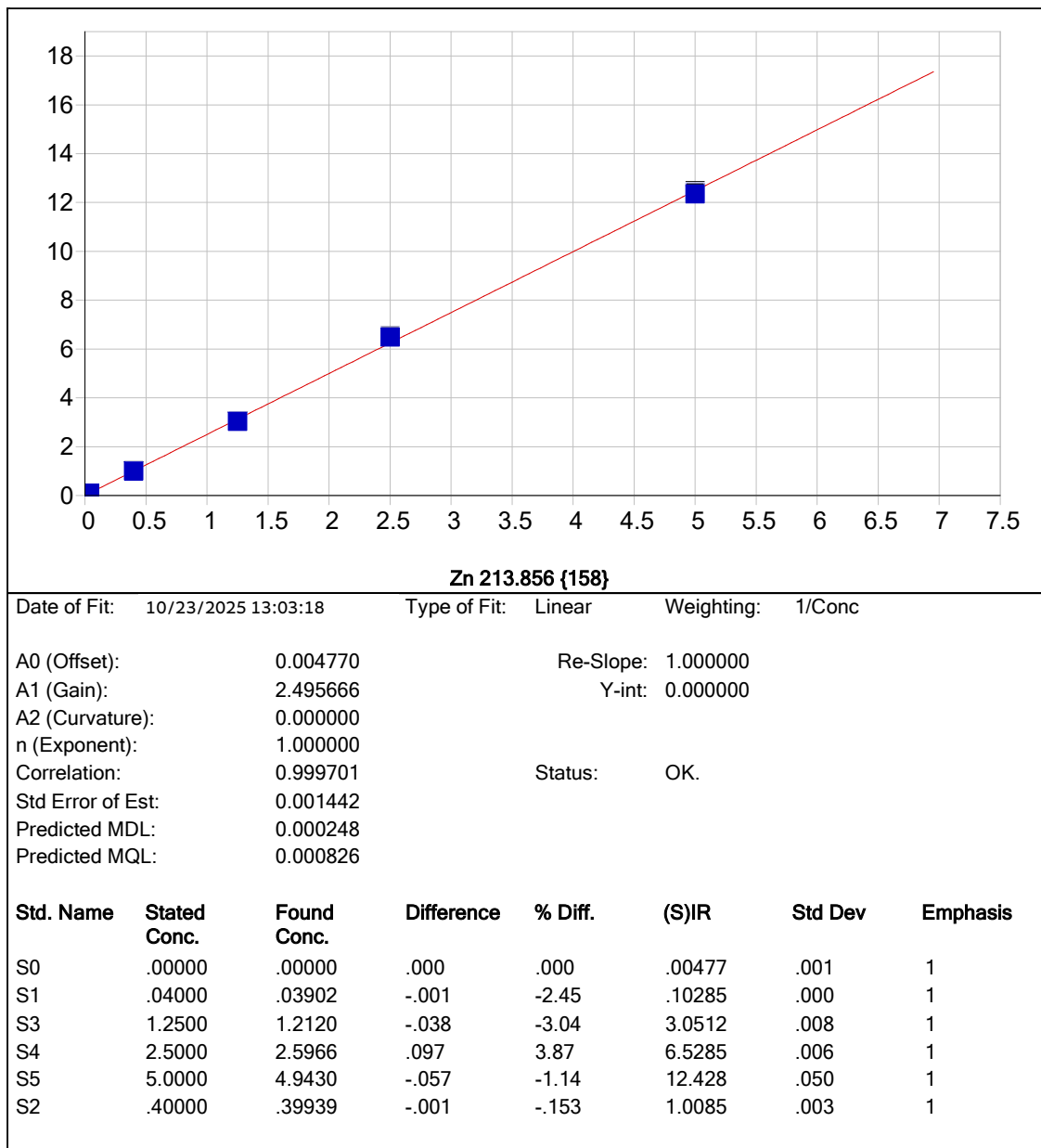


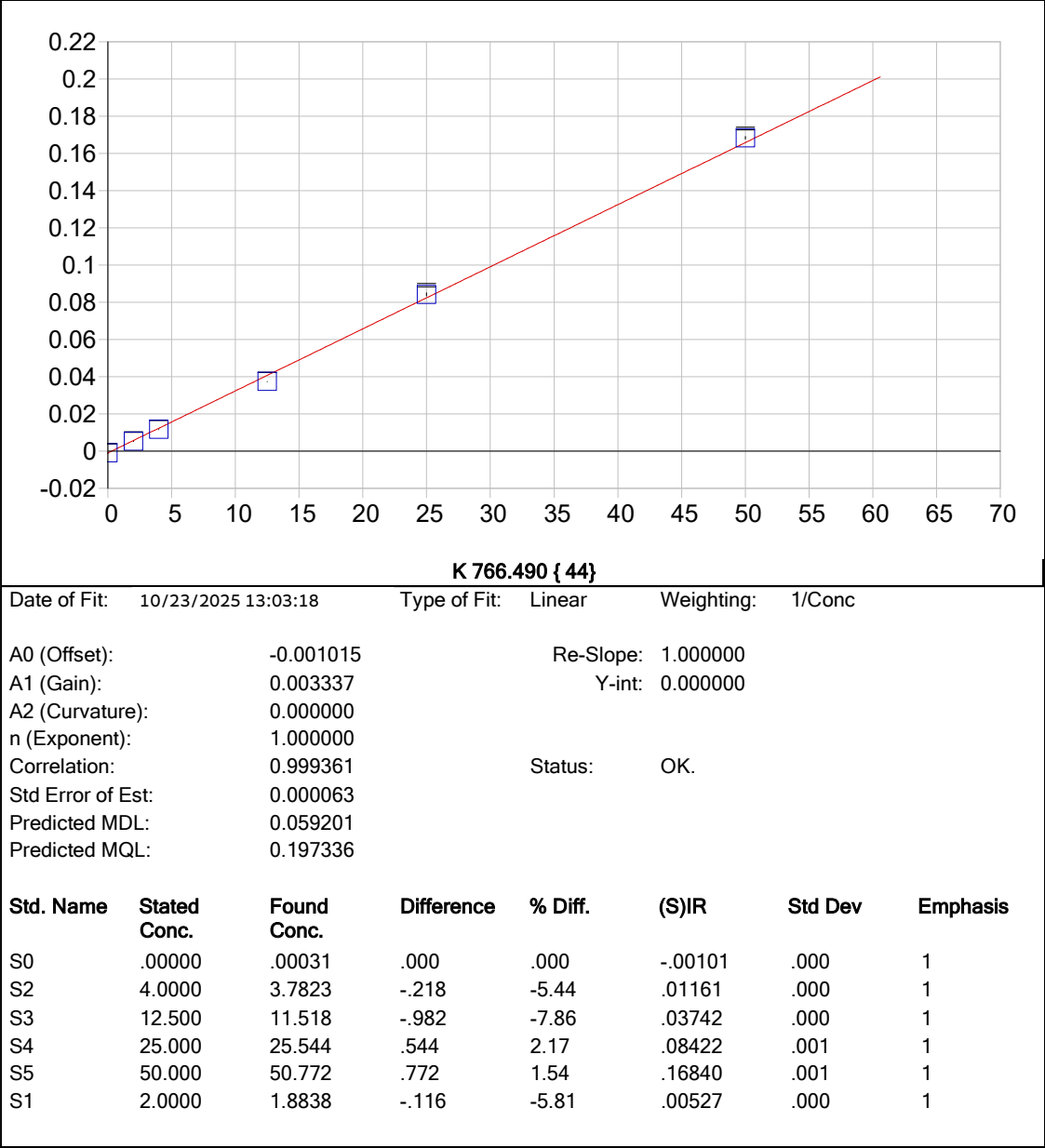


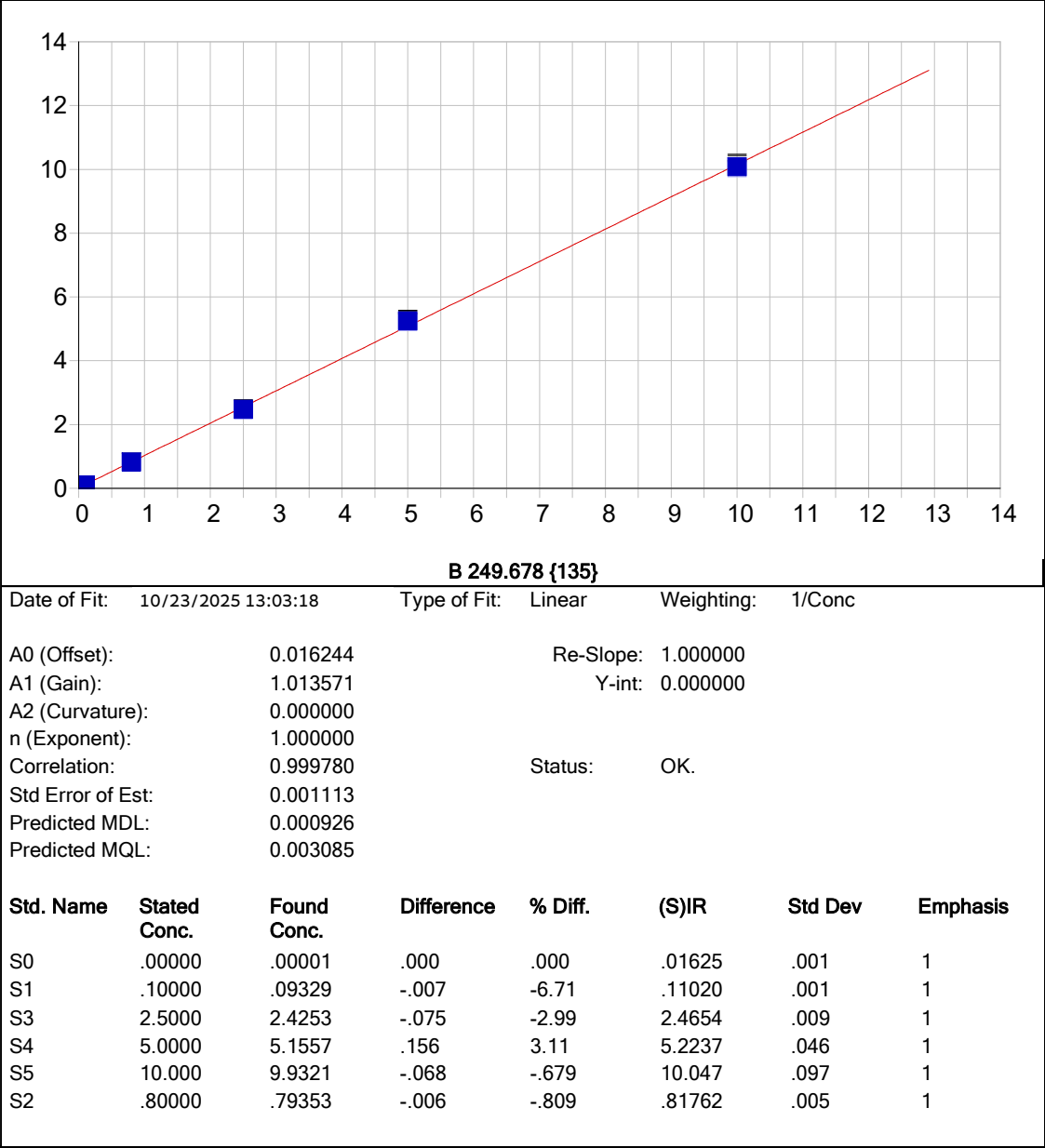


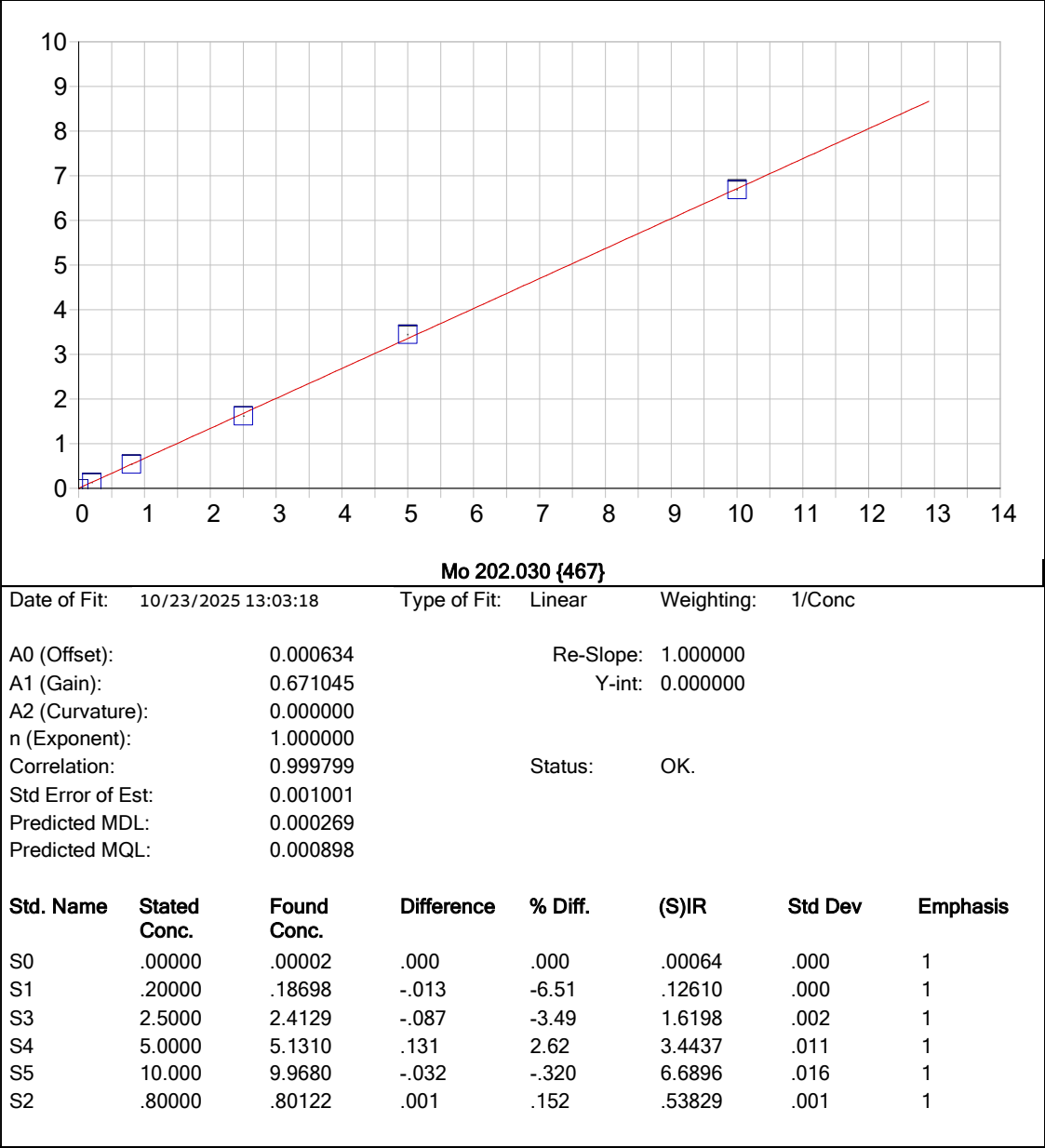


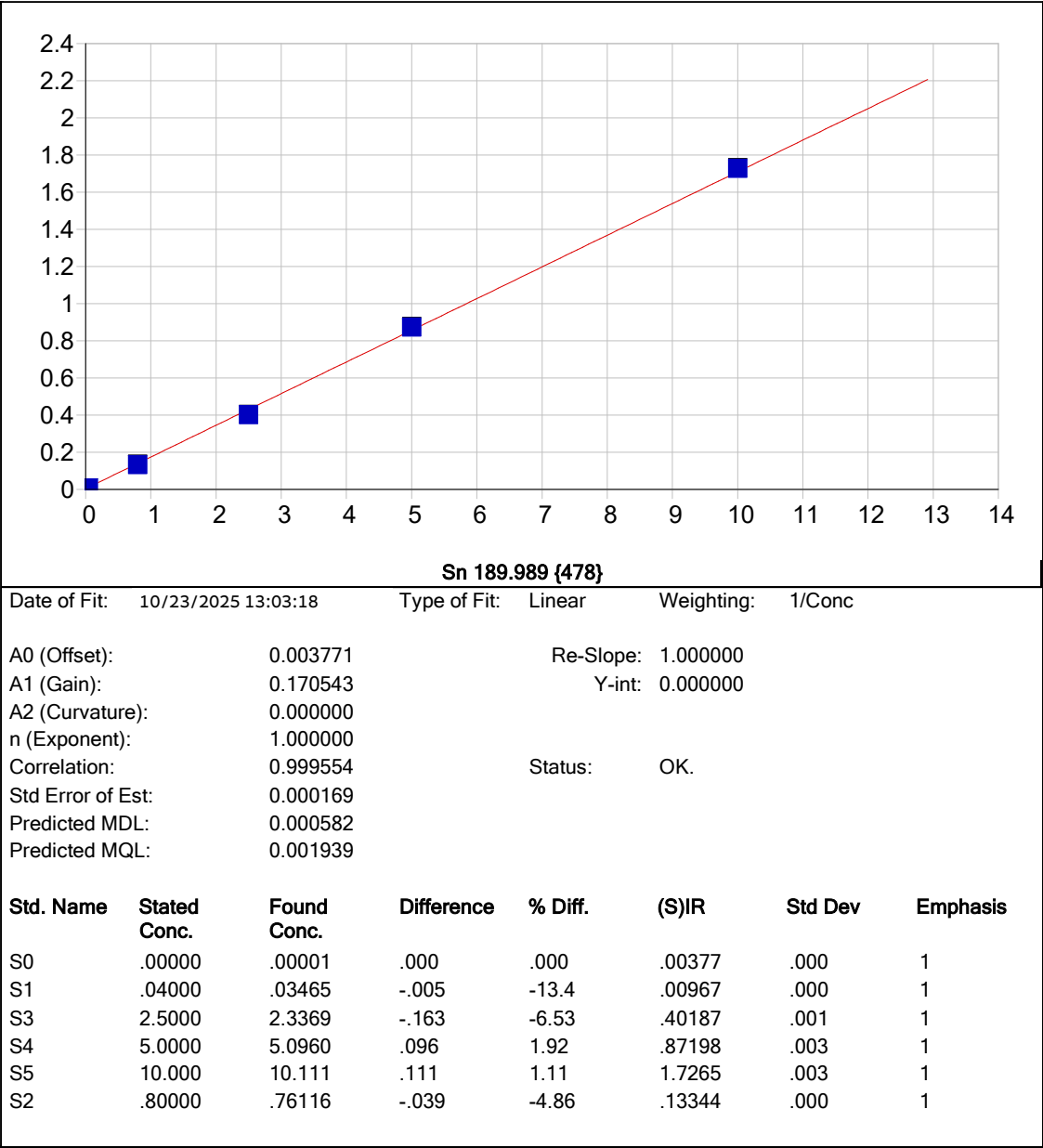


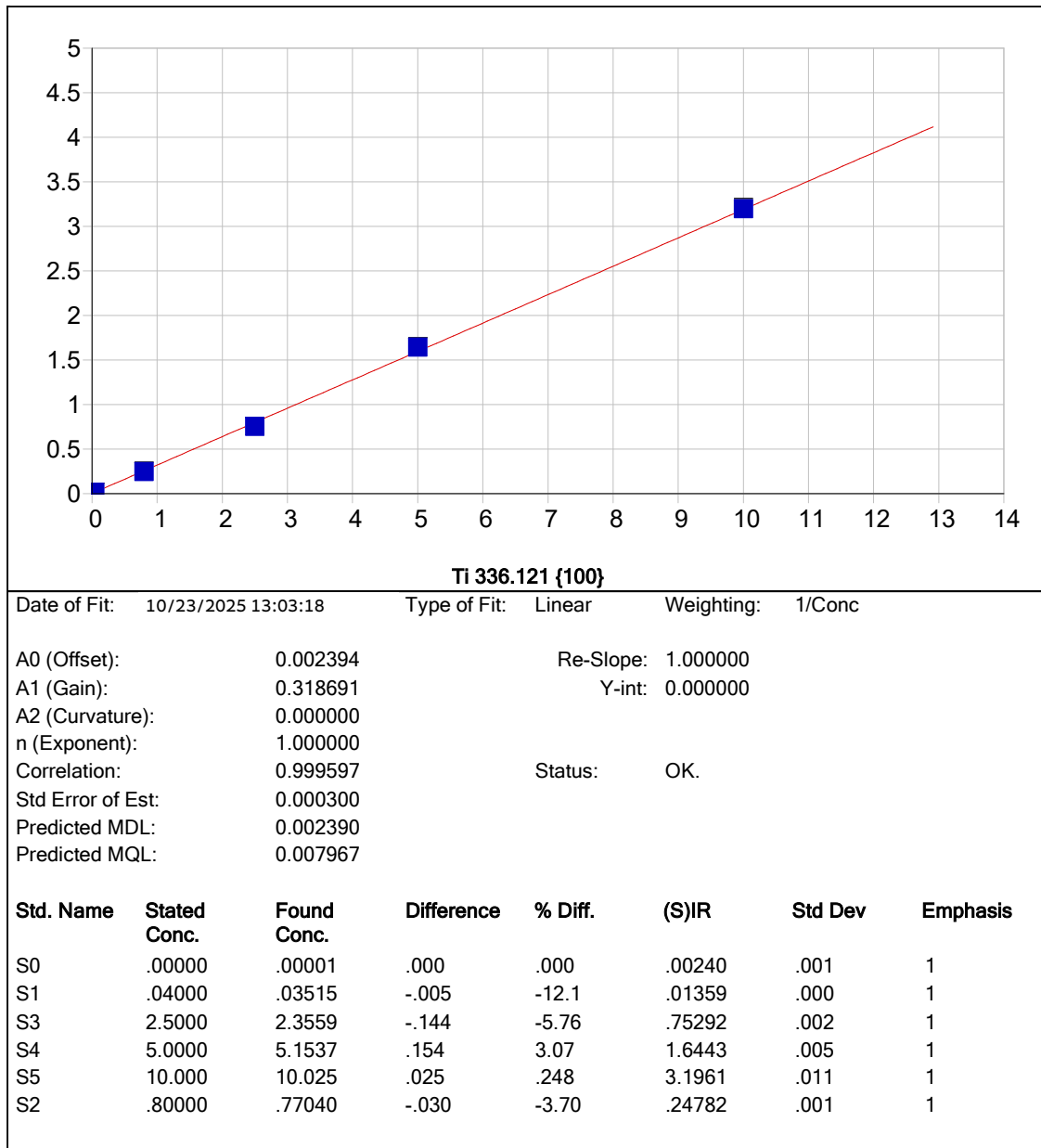


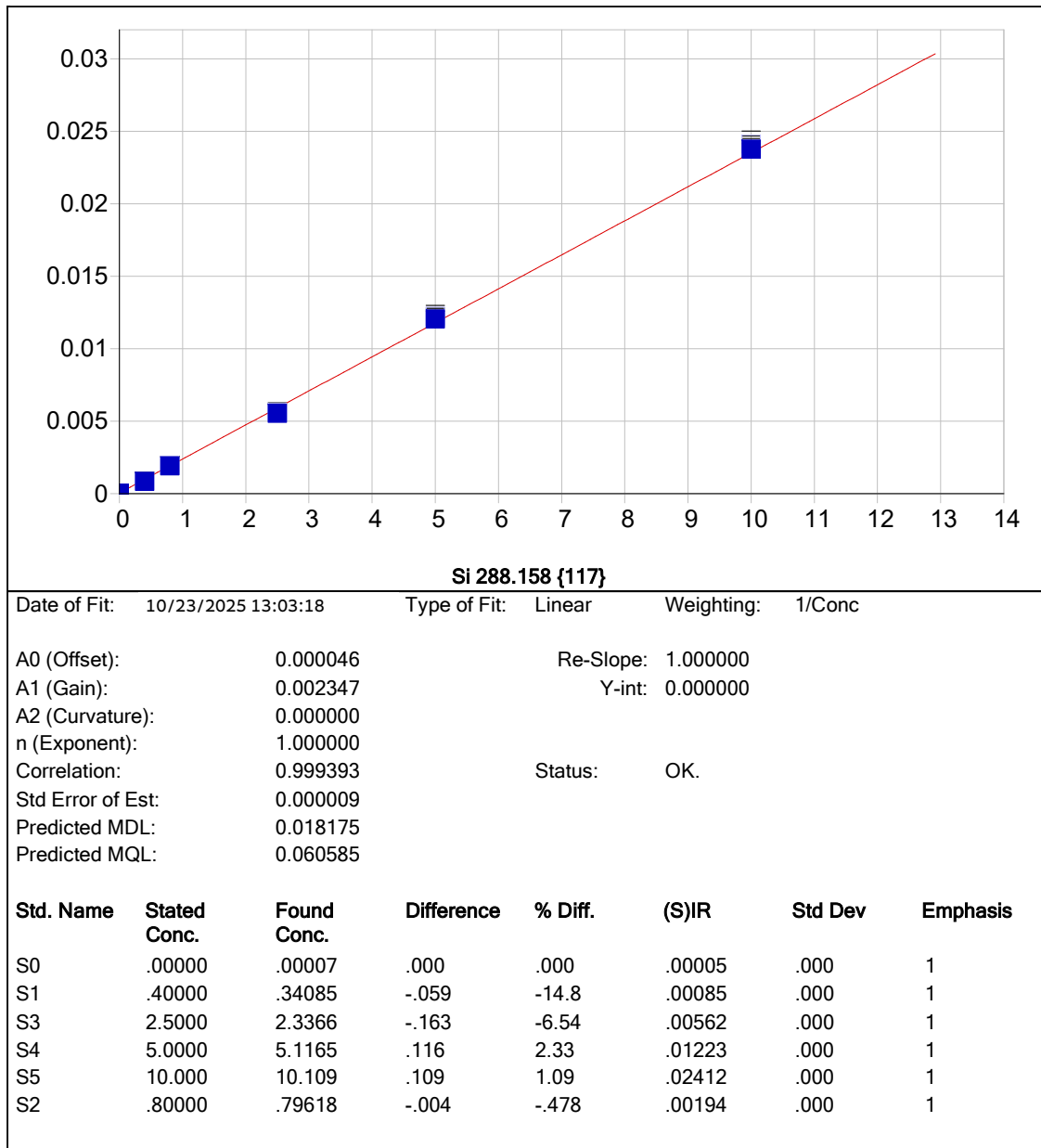


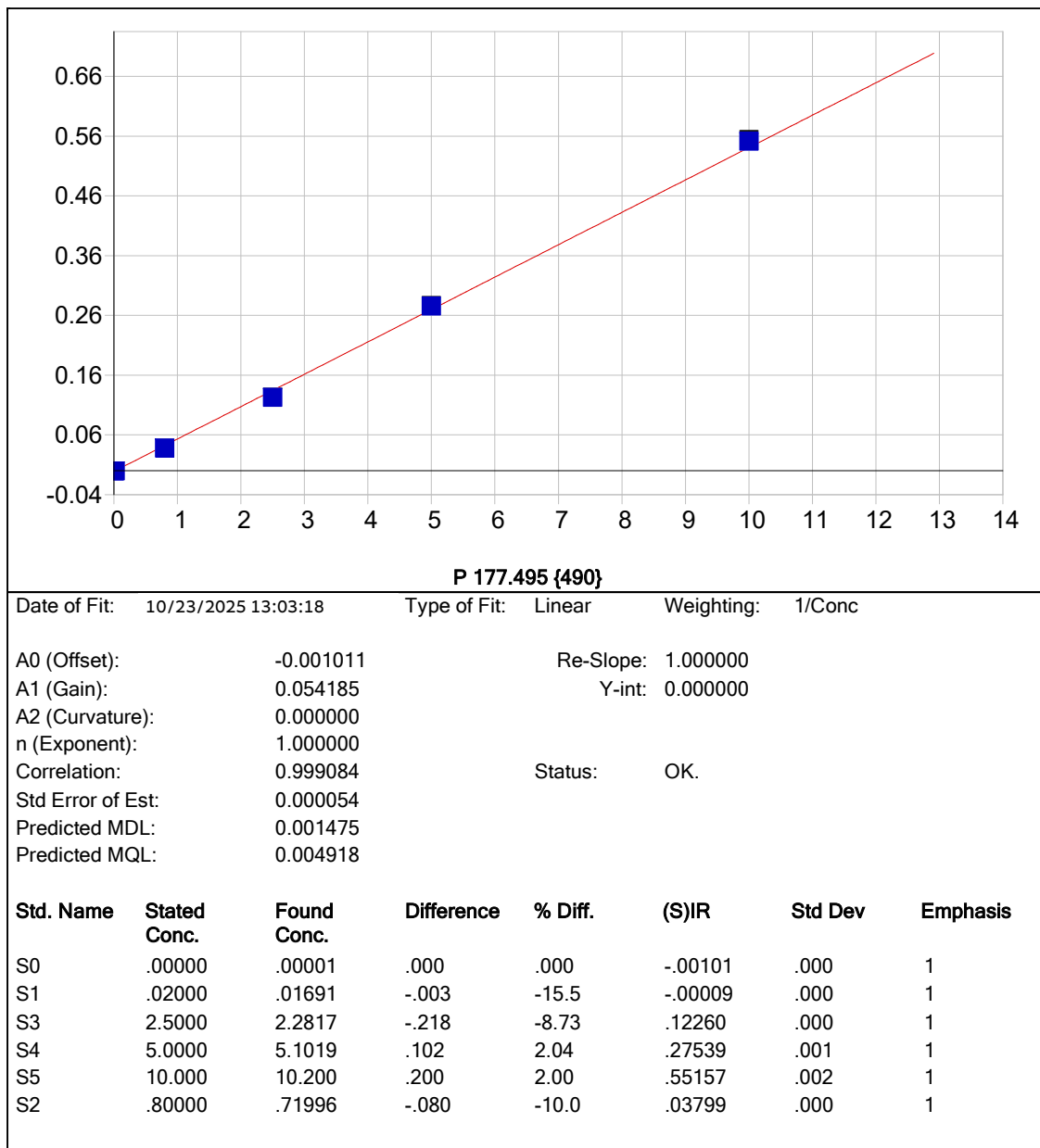


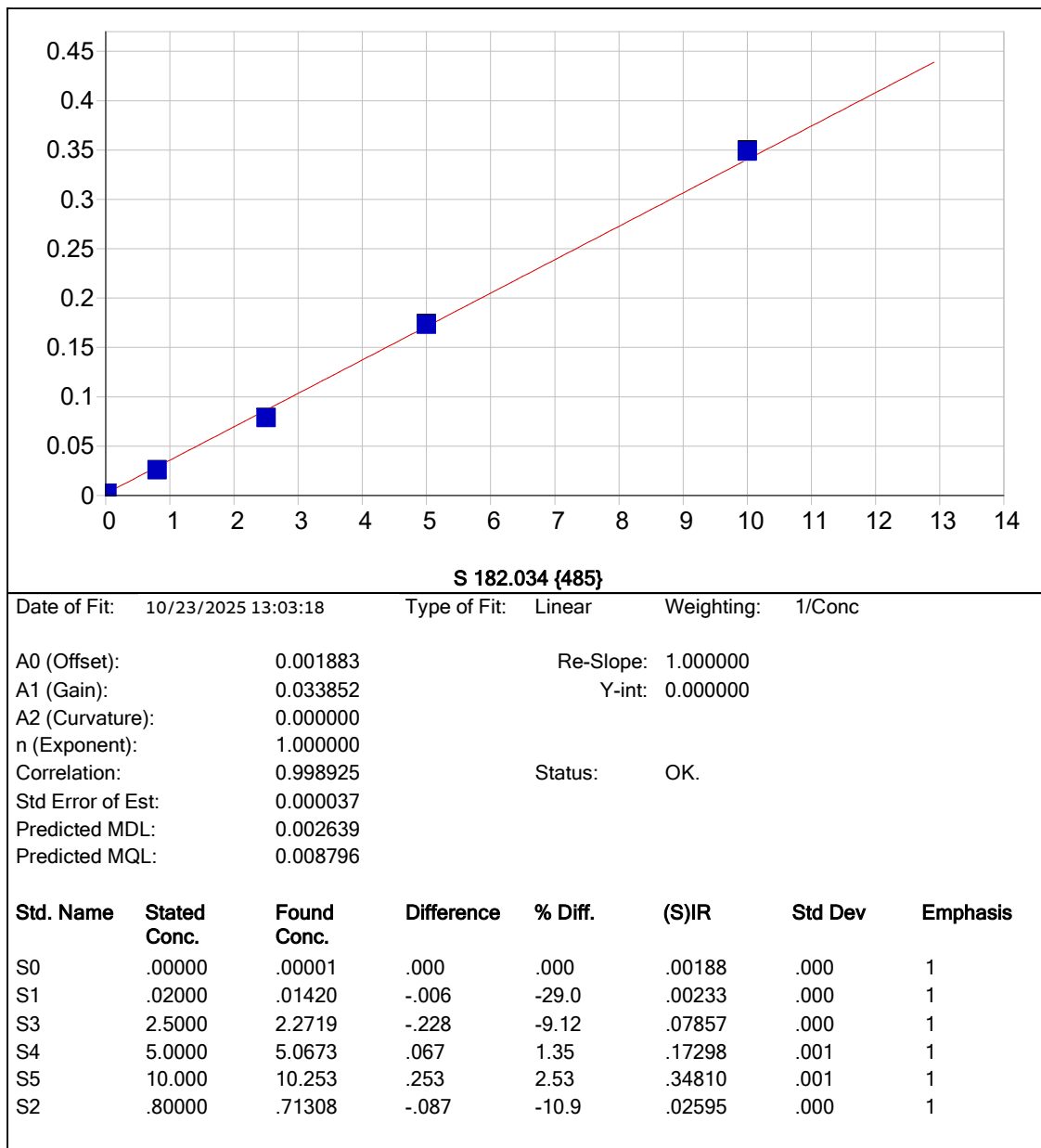




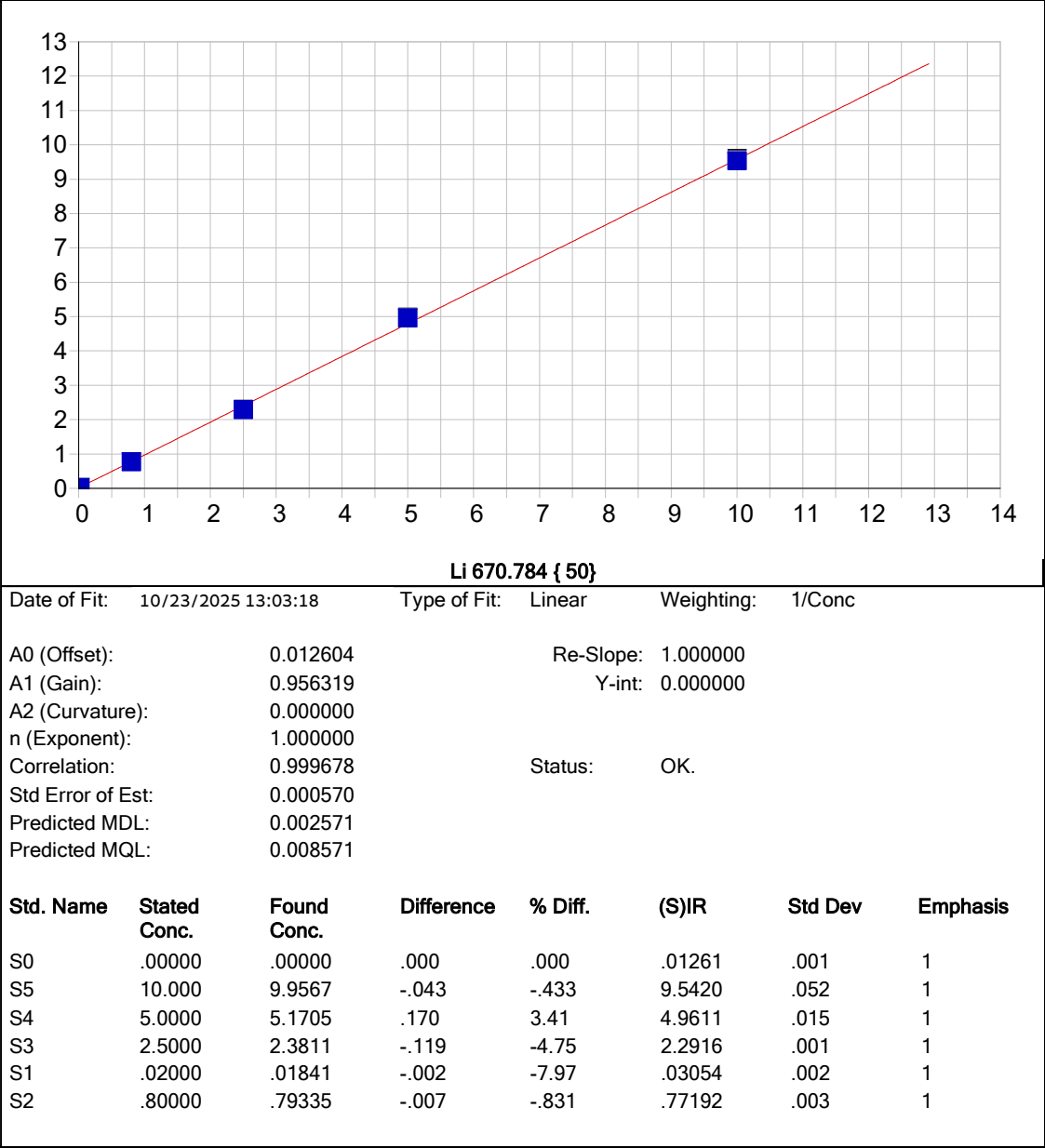


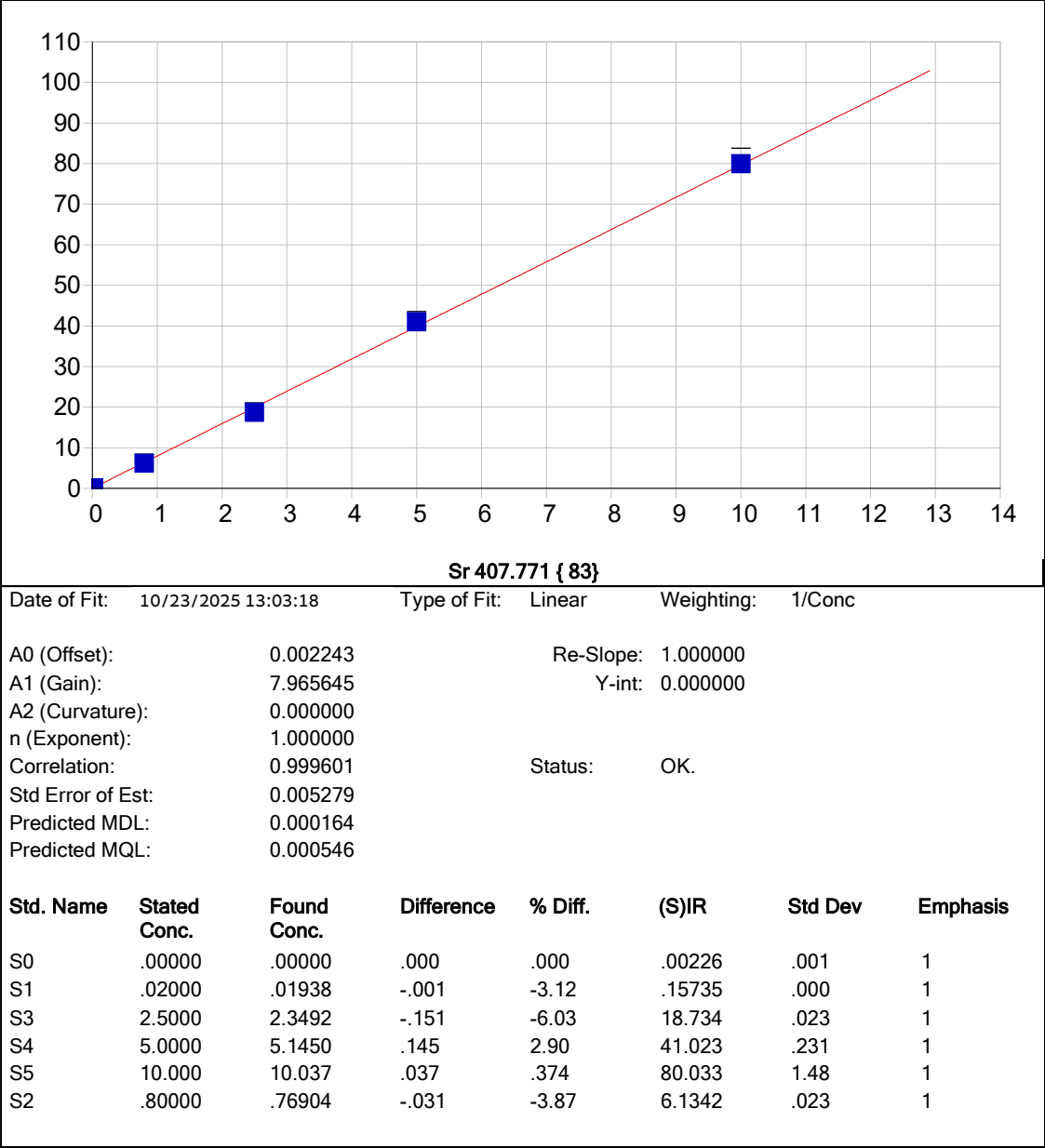


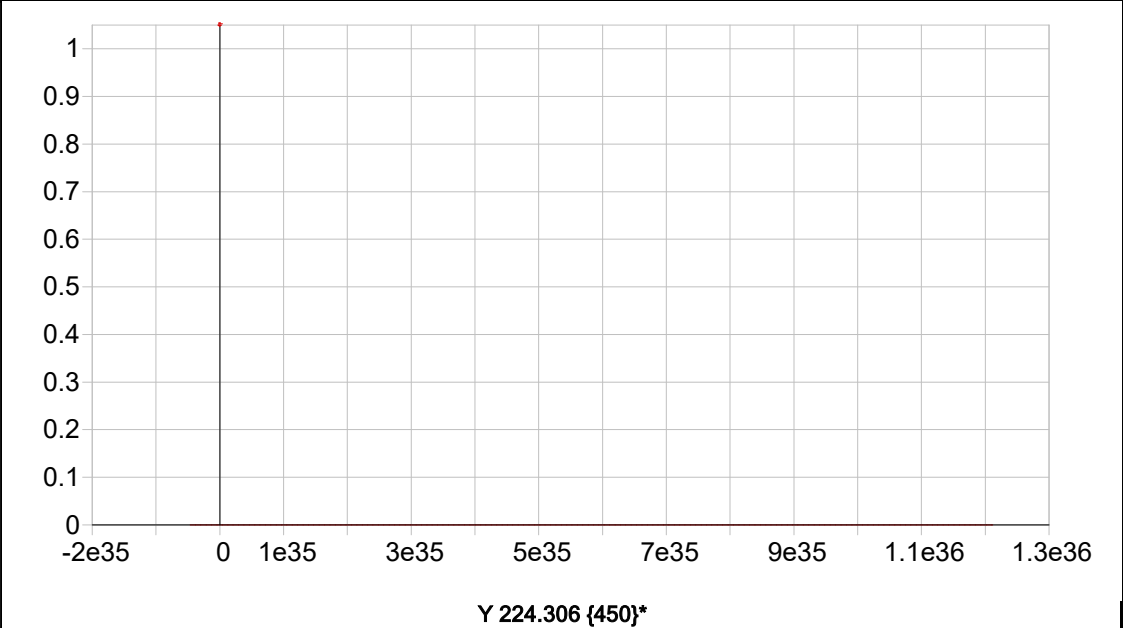




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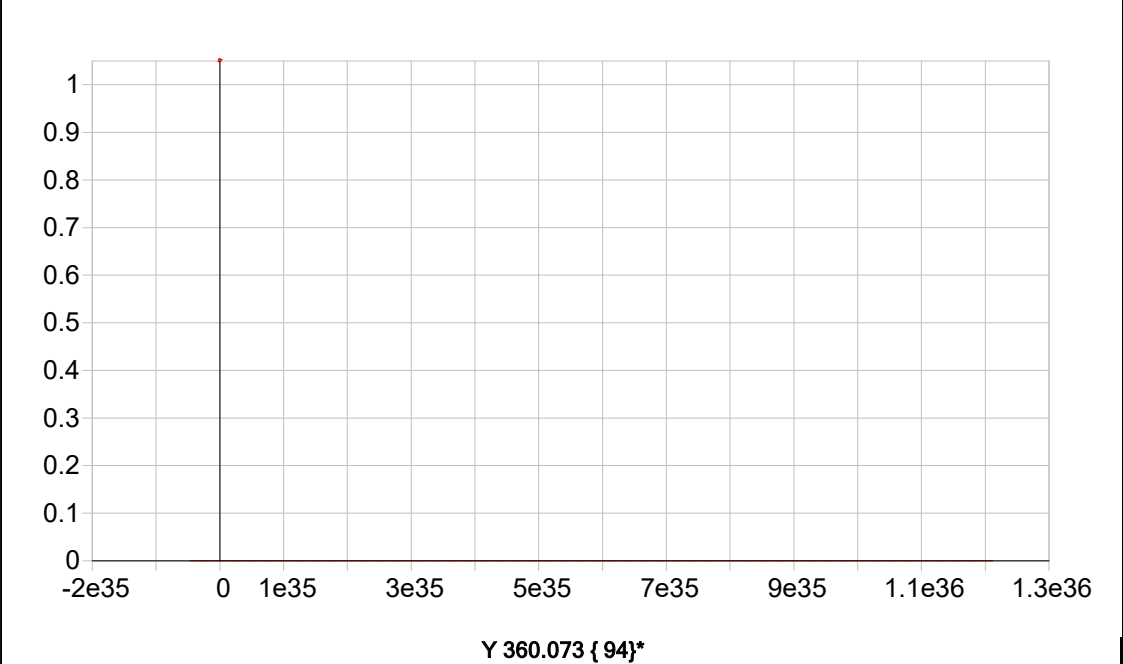




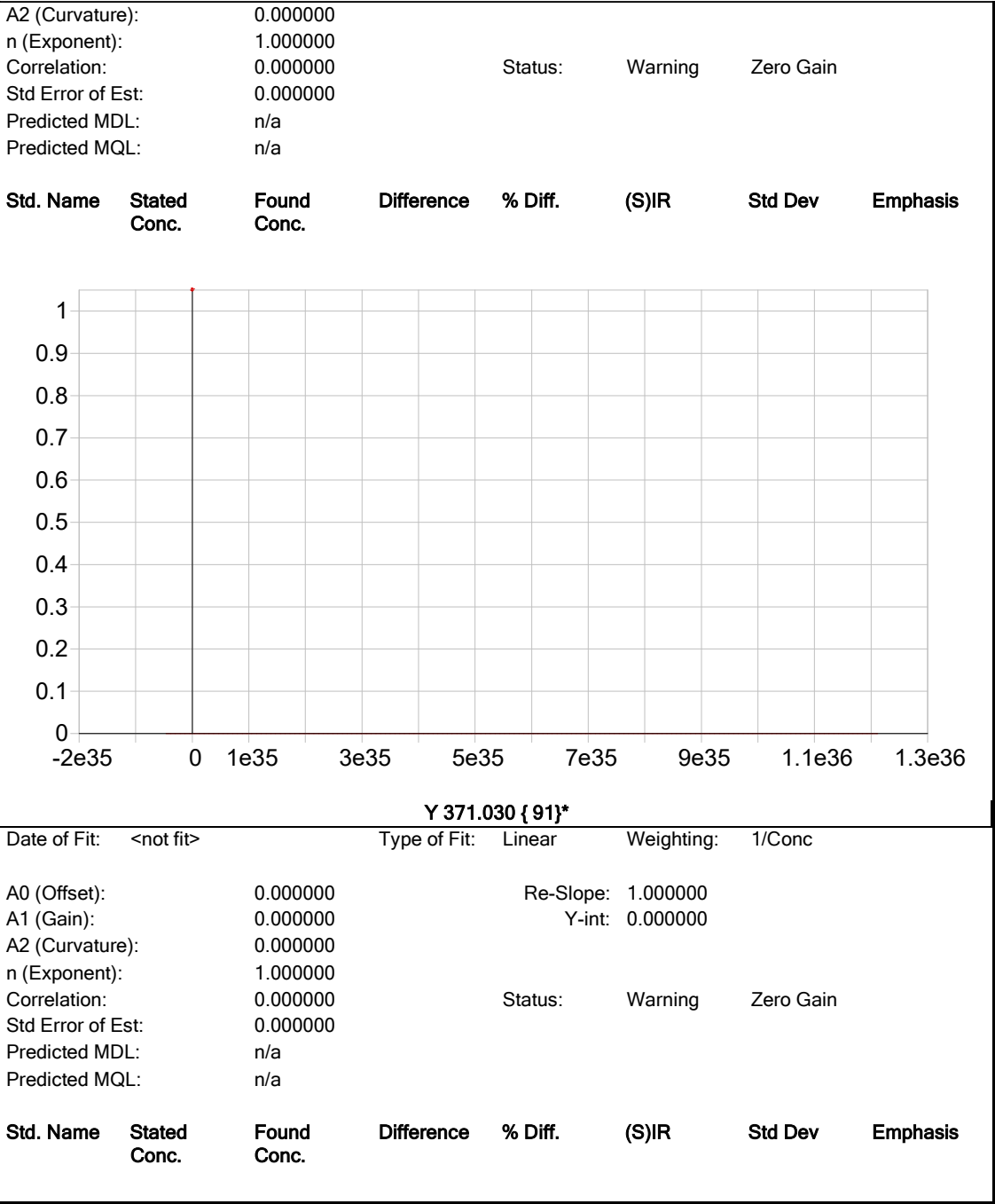


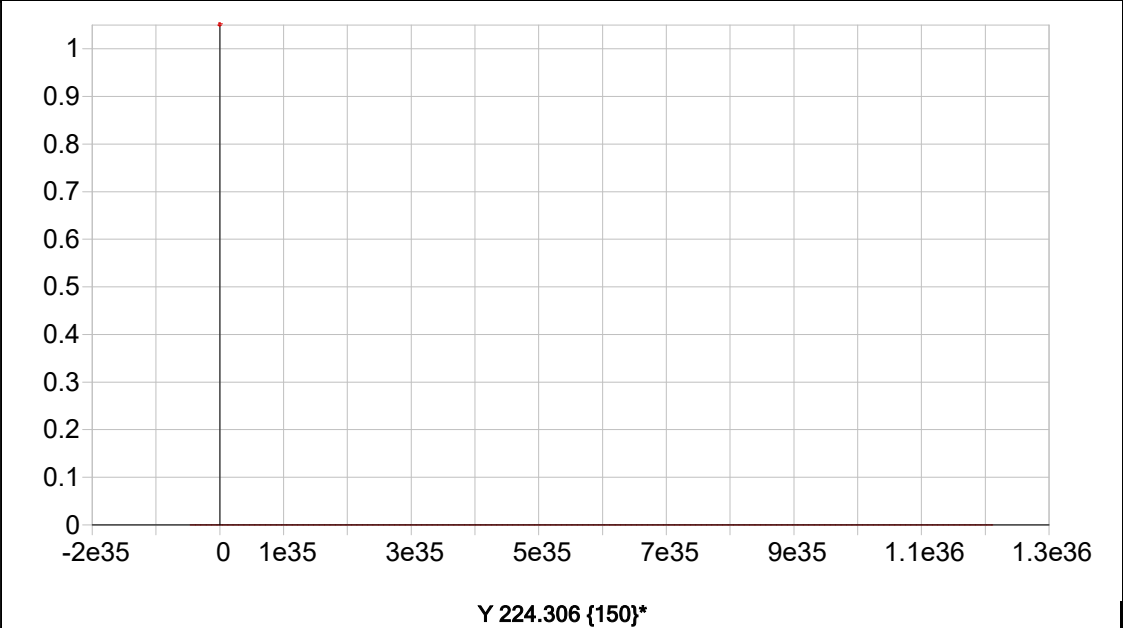
Date of Fit:	10/23/2025 13:03:18	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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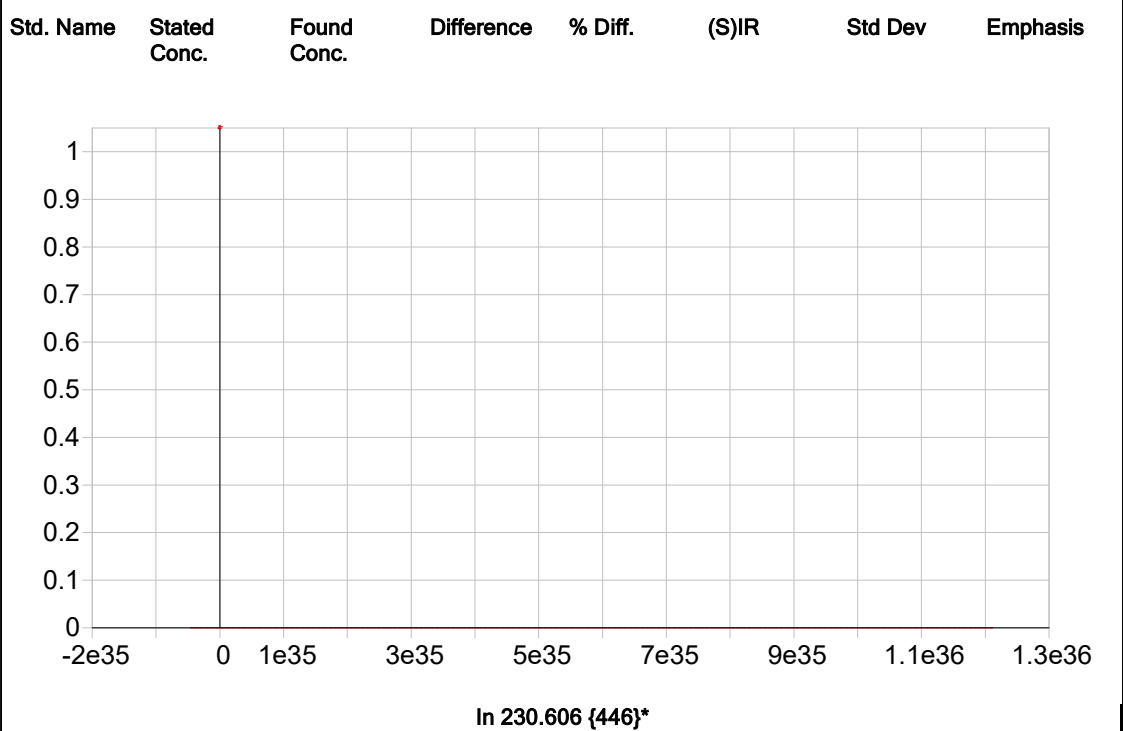


Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		





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						



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

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Sample Name: S0 Acquired: 10/23/2025 12:40:44 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	-.00028	.00071	.00097	-.00058	.12605	-.00244
Stddev	.00017	.00002	.00010	.00008	.00008	.00156	.00268	.00043
%RSD	501.99	2.3849	36.706	11.042	8.0483	269.84	2.1276	17.459
#1	.00012	.00077	-.00039	.00066	.00092	.00119	.12883	-.00196
#2	-.00022	.00080	-.00019	.00068	.00093	-.00176	.12348	-.00257
#3	-.00000	.00076	-.00027	.00080	.00106	-.00118	.12585	-.00279
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00036	.00074	.00015	.00028	.00075	.00002	.00021	.00016
Stddev	.00017	.00042	.00002	.00025	.00033	.00003	.00043	.00074
%RSD	47.962	56.754	10.927	88.971	43.310	144.75	211.00	462.95
#1	-.00018	.00122	.00016	.00029	.00060	.00000	.00071	-.00069
#2	-.00038	.00044	.00014	.00053	.00053	.00001	-.00007	.00048
#3	-.00052	.00056	.00014	.00003	.00112	.00006	-.00002	.00070
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00063	-.00008	.00120	.00010	.00477	-.00101	.01625	.00064
Stddev	.00009	.00007	.00008	.00023	.00052	.00014	.00069	.00001
%RSD	14.307	85.399	6.9885	227.14	10.826	13.345	4.2158	2.1335
#1	-.00067	-.00006	.00112	.00007	.00434	-.00110	.01692	.00066
#2	-.00068	-.00016	.00129	.00034	.00534	-.00108	.01628	.00063
#3	-.00052	-.00003	.00119	-.00011	.00464	-.00086	.01555	.00064
Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.00377	.00240	.00005	-.00101	.00188	.01261	.00226	
Stddev	.00004	.00060	.00002	.00002	.00007	.00119	.00074	
%RSD	.93959	25.148	36.492	2.4390	3.8810	9.4397	32.711	
#1	.00379	.00294	.00007	-.00103	.00184	.01125	.00311	
#2	.00373	.00250	.00004	-.00101	.00185	.01346	.00189	
#3	.00379	.00175	.00004	-.00099	.00197	.01311	.00177	

Sample Name: S0 Acquired: 10/23/2025 12:40:44 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	6579.5	96503.	6143.7	5208.6	8035.6
Stddev	18.8	659.	42.6	25.1	17.6
%RSD	.28525	.68263	.69343	.48224	.21919
#1	6561.8	96963.	6112.6	5229.0	8019.5
#2	6577.6	96798.	6192.3	5216.2	8033.0
#3	6599.2	95748.	6126.3	5180.5	8054.4

Sample Name: S1 Acquired: 10/23/2025 12:45:07 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	.00101	.00286	.00245	.00164	.00542	.00901	.29602	.07531
Stddev	.00004	.00009	.00007	.00003	.00019	.00090	.00595	.00041
%RSD	4.3333	3.1387	2.7622	1.6817	3.4621	10.022	2.0100	.54225
#1	.00097	.00295	.00252	.00162	.00551	.00811	.30130	.07574
#2	.00106	.00277	.00239	.00168	.00521	.00992	.29718	.07525
#3	.00100	.00288	.00245	.00163	.00555	.00900	.28957	.07493
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01882	.12412	.00238	.03229	.01487	.00024	.00882	.02770
Stddev	.00032	.00064	.00010	.00014	.00025	.00002	.00011	.00063
%RSD	1.6985	.51449	4.2409	.42426	1.6488	8.5917	1.1982	2.2656
#1	.01847	.12412	.00229	.03244	.01510	.00024	.00888	.02698
#2	.01892	.12349	.00236	.03217	.01490	.00026	.00870	.02806
#3	.01908	.12476	.00249	.03227	.01461	.00022	.00888	.02807
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02400	.00184	.01266	.00479	.10285	.00527	.11020	.12610
Stddev	.00012	.00009	.00009	.00041	.00050	.00023	.00118	.00022
%RSD	.50854	5.0261	.67132	8.6658	.48300	4.3228	1.0743	.17190
#1	.02412	.00175	.01257	.00506	.10303	.00553	.11095	.12621
#2	.02401	.00183	.01268	.00431	.10229	.00511	.11081	.12585
#3	.02388	.00194	.01274	.00499	.10323	.00517	.10883	.12625
Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.00967	.01359	.00085	-.00009	.00233	.03054	.15735	
Stddev	.00012	.00010	.00002	.00003	.00002	.00208	.00040	
%RSD	1.2196	.70293	2.3936	35.478	.70661	6.8144	.25344	
#1	.00974	.01370	.00085	-.00012	.00232	.03132	.15777	
#2	.00954	.01352	.00087	-.00010	.00233	.02818	.15732	
#3	.00974	.01354	.00083	-.00006	.00235	.03212	.15697	

Sample Name: S1 Acquired: 10/23/2025 12:45:07 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	6928.1	100710.	6463.6	5404.1	8273.5
Stddev	18.7	560.	51.0	23.5	22.3
%RSD	.26927	.55648	.78924	.43557	.26961
#1	6937.2	100400.	6424.8	5390.1	8284.2
#2	6906.7	100370.	6444.7	5431.2	8247.8
#3	6940.5	101360.	6521.4	5390.9	8288.4

Sample Name: S2 Acquired: 10/23/2025 12:49:18 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	.04167	.04879	.18163	.03879	.07571	.14589	2.9511	.52486
Stddev	.00006	.00052	.00033	.00020	.00016	.00019	.0147	.00230
%RSD	.13520	1.0728	.18097	.51291	.21352	.13305	.49963	.43832
#1	.04163	.04939	.18158	.03885	.07558	.14608	2.9632	.52737
#2	.04174	.04844	.18133	.03857	.07589	.14569	2.9553	.52436
#3	.04165	.04854	.18198	.03895	.07565	.14591	2.9347	.52286
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.3210	.25251	.03808	.44247	.14218	.00173	.17597	.05379
Stddev	.0004	.00033	.00010	.00081	.00021	.00005	.00122	.00036
%RSD	.03316	.13154	.26818	.18418	.14842	2.6661	.69077	.66935
#1	1.3209	.25214	.03808	.44157	.14235	.00177	.17687	.05342
#2	1.3207	.25262	.03797	.44267	.14225	.00175	.17646	.05380
#3	1.3215	.25278	.03818	.44317	.14194	.00168	.17459	.05414
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.25599	.04204	.02441	.05300	1.0085	.01161	.81762	.53829
Stddev	.00010	.00011	.00020	.00022	.0027	.00012	.00542	.00096
%RSD	.03935	.26669	.80511	.41282	.27076	1.0332	.66281	.17894
#1	.25588	.04216	.02461	.05324	1.0111	.01167	.82383	.53884
#2	.25601	.04194	.02422	.05282	1.0057	.01147	.81515	.53717
#3	.25607	.04201	.02441	.05292	1.0085	.01168	.81387	.53885
Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.13344	.24782	.00194	.03799	.02595	.77192	6.1342	
Stddev	.00028	.00101	.00001	.00005	.00006	.00260	.0227	
%RSD	.21287	.40865	.66388	.13656	.21950	.33646	.37019	
#1	.13356	.24888	.00194	.03801	.02597	.77466	6.1579	
#2	.13312	.24686	.00196	.03804	.02589	.77160	6.1322	
#3	.13364	.24773	.00194	.03794	.02600	.76949	6.1126	

Sample Name: S2 Acquired: 10/23/2025 12:49:18 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	6582.2	95524.	6166.6	5099.7	7710.0
Stddev	11.6	115.	33.3	5.3	15.6
%RSD	.17655	.11988	.53953	.10442	.20253
#1	6581.0	95547.	6132.7	5094.3	7706.6
#2	6571.3	95400.	6167.8	5099.8	7696.3
#3	6594.4	95626.	6199.2	5104.9	7727.0

Sample Name: S3 Acquired: 10/23/2025 12:53:22 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	.12741	.14662	.56031	.11651	.22620	.45743	8.7843	1.5909
Stddev	.00026	.00162	.00142	.00024	.00048	.00107	.0085	.0062
%RSD	.20344	1.1041	.25255	.20243	.21224	.23394	.09672	.39086

#1	.12770	.14481	.56183	.11642	.22599	.45619	8.7925	1.5906
#2	.12733	.14714	.56008	.11678	.22675	.45806	8.7849	1.5848
#3	.12720	.14792	.55903	.11634	.22587	.45803	8.7756	1.5972

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.1568	.76840	.11485	1.3690	.42670	.00518	.53017	.16375
Stddev	.0066	.00172	.00019	.0020	.00278	.00004	.00045	.00090
%RSD	.15991	.22408	.16575	.14605	.65069	.75651	.08394	.55010

#1	4.1638	.76841	.11466	1.3713	.42471	.00520	.52966	.16479
#2	4.1505	.77012	.11505	1.3675	.42551	.00520	.53045	.16328
#3	4.1562	.76667	.11485	1.3682	.42987	.00513	.53041	.16318

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.79004	.12635	.07133	.16337	3.0512	.03742	2.4654	1.6198
Stddev	.00165	.00025	.00046	.00112	.0077	.00008	.0087	.0017
%RSD	.20826	.19394	.64420	.68376	.25352	.21523	.35409	.10615

#1	.79129	.12607	.07134	.16273	3.0437	.03751	2.4659	1.6217
#2	.78817	.12650	.07178	.16272	3.0507	.03739	2.4564	1.6192
#3	.79065	.12649	.07087	.16466	3.0591	.03735	2.4738	1.6184

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.40187	.75292	.00562	.12260	.07857	2.2916	18.734	
Stddev	.00093	.00160	.00001	.00022	.00006	.0013	.023	
%RSD	.23034	.21268	.19712	.17991	.08065	.05609	.12439	

#1	.40274	.75393	.00562	.12270	.07851	2.2906	18.760	
#2	.40090	.75375	.00563	.12235	.07858	2.2931	18.728	
#3	.40197	.75107	.00561	.12275	.07863	2.2912	18.715	

Sample Name: S3 Acquired: 10/23/2025 12:53:22 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	6882.8	100090.	6472.5	5349.7	7760.7
Stddev	19.9	334.	4.8	13.5	31.9
%RSD	.28862	.33358	.07456	.25274	.41050
#1	6861.2	100200.	6476.8	5363.2	7727.6
#2	6900.3	99721.	6473.4	5336.1	7791.2
#3	6886.9	100360.	6467.3	5349.9	7763.4

Sample Name: S4 Acquired: 10/23/2025 12:57:19 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	.27380	.30750	1.2196	.24639	.48006	.98851	19.291	3.3584
Stddev	.00091	.00230	.0037	.00112	.00173	.00084	.048	.0293
%RSD	.33248	.74733	.30653	.45570	.36036	.08483	.24631	.87284
#1	.27458	.30774	1.2230	.24741	.48132	.98899	19.238	3.3878
#2	.27401	.30967	1.2203	.24656	.48077	.98754	19.305	3.3580
#3	.27280	.30509	1.2156	.24519	.47808	.98899	19.330	3.3292
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.0945	1.6582	.24247	2.9992	.89779	.01138	1.1549	.35171
Stddev	.0154	.0031	.00065	.0079	.00191	.00007	.0012	.00149
%RSD	.16981	.18676	.26827	.26277	.21279	.60125	.09996	.42499
#1	9.1095	1.6546	.24320	3.0056	.89928	.01135	1.1543	.35339
#2	9.0954	1.6602	.24197	3.0017	.89845	.01134	1.1542	.35121
#3	9.0786	1.6597	.24223	2.9904	.89563	.01146	1.1563	.35053
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.7243	.26909	.15947	.35692	6.5285	.08422	5.2237	3.4437
Stddev	.0037	.00095	.00170	.00100	.0056	.00085	.0461	.0106
%RSD	.21325	.35446	1.0684	.28153	.08514	1.0050	.88326	.30712
#1	1.7270	.26987	.15769	.35690	6.5339	.08333	5.2671	3.4545
#2	1.7257	.26936	.15965	.35793	6.5287	.08431	5.2286	3.4433
#3	1.7201	.26803	.16108	.35592	6.5228	.08501	5.1752	3.4334
Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.87198	1.6443	.01223	.27539	.17298	4.9611	41.023	
Stddev	.00288	.0050	.00012	.00061	.00084	.0150	.231	
%RSD	.32985	.30432	.96587	.22237	.48402	.30256	.56410	
#1	.87514	1.6393	.01219	.27558	.17393	4.9466	41.160	
#2	.87128	1.6442	.01213	.27471	.17235	4.9600	41.154	
#3	.86951	1.6493	.01236	.27589	.17265	4.9766	40.756	

Sample Name: S4 Acquired: 10/23/2025 12:57:19 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	6320.1	92580.	6041.4	4945.5	6883.6
Stddev	4.5	339.	52.6	33.9	8.7
%RSD	.07172	.36645	.87014	.68452	.12698
#1	6325.1	92404.	5980.9	4924.8	6891.2
#2	6318.7	92971.	6076.3	4984.5	6885.5
#3	6316.4	92366.	6066.9	4927.1	6874.0

Sample Name: S5 Acquired: 10/23/2025 13:01:22 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	.53236	.60591	2.4213	.47444	.93631	1.8790	37.639	6.3922
Stddev	.00124	.00356	.0021	.00093	.00128	.0049	.539	.0567
%RSD	.23291	.58677	.08454	.19551	.13688	.26054	1.4333	.88636

#1	.53181	.60251	2.4204	.47350	.93493	1.8763	38.146	6.4549
#2	.53378	.60960	2.4237	.47536	.93746	1.8760	37.699	6.3769
#3	.53150	.60564	2.4199	.47447	.93653	1.8847	37.072	6.3448

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	18.034	3.2096	.45883	5.9847	1.7337	.02251	2.2452	.68004
Stddev	.035	.0047	.00142	.0096	.0027	.00012	.0101	.00166
%RSD	.19286	.14693	.31051	.15993	.15873	.51830	.44818	.24438

#1	18.034	3.2145	.46047	5.9792	1.7336	.02245	2.2569	.67970
#2	18.069	3.2050	.45791	5.9957	1.7365	.02244	2.2394	.68185
#3	17.999	3.2092	.45810	5.9791	1.7310	.02265	2.2395	.67858

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.4318	.52231	.31603	.69052	12.428	.16840	10.047	6.6896
Stddev	.0048	.00149	.00204	.00235	.050	.00078	.097	.0161
%RSD	.14097	.28623	.64643	.34079	.40396	.46302	.96061	.24048

#1	3.4291	.52401	.31600	.69319	12.485	.16827	10.155	6.6906
#2	3.4374	.52123	.31400	.68874	12.402	.16769	10.013	6.7051
#3	3.4289	.52168	.31808	.68964	12.395	.16924	9.9717	6.6730

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	1.7265	3.1961	.02412	.55157	.34810	9.5420	80.033	
Stddev	.0031	.0112	.00026	.00204	.00114	.0518	1.480	
%RSD	.18127	.34886	1.0707	.36904	.32683	.54268	1.8493	

#1	1.7244	3.2064	.02385	.55112	.34714	9.5854	81.524	
#2	1.7301	3.1843	.02414	.55379	.34935	9.4847	78.564	
#3	1.7249	3.1975	.02437	.54979	.34780	9.5559	80.012	

Sample Name: S5 Acquired: 10/23/2025 13:01:22 Type: Cal
Method: 6010-200.7 NEW(v307) Mode: IR Corr. Factor: 1.000000
User: Jaswal 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	6231.9	92124.	6060.2	4924.2	6586.8
Stddev	23.5	204.	43.0	2.9	24.9
%RSD	.37679	.22168	.71018	.05801	.37868
#1	6206.0	92193.	6023.2	4926.9	6558.7
#2	6237.9	91894.	6050.1	4924.6	6595.7
#3	6251.8	92285.	6107.5	4921.2	6606.2

Sample Name: ICV01 Acquired: 10/23/2025 13:05:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.866076	3.802424	3.901426	3.914599	3.988353	7.587342
Stddev	.010145	.125738	.003862	.006165	.008328	.046325
%RSD	.2624070	3.306790	.0989873	.1574994	.2088142	.6105607

#1	3.876510	3.795615	3.905744	3.920694	3.993697	7.569077
#2	3.856247	3.931428	3.900232	3.914737	3.978757	7.640016
#3	3.865472	3.680228	3.898302	3.908365	3.992605	7.552933

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.690743	.1951466	2.052611	19.21695	.7995925	1.939992
Stddev	.056471	.0026230	.000656	.10185	.0004718	.000837
%RSD	.7342715	1.344096	.0319757	.5299906	.0590056	.0431537

#1	7.704118	.1957367	2.052981	19.24125	.7996528	1.940906
#2	7.739325	.1974242	2.052999	19.30445	.7990935	1.939263
#3	7.628785	.1922788	2.051853	19.10515	.8000313	1.939807

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9952588	3.981257	1.918558	19.09287	1.941461	1.009842
Stddev	.0009503	.014807	.014683	.08043	.001223	.001709
%RSD	.0954877	.3719104	.7653175	.4212673	.0630183	.1692735

#1	.9956639	3.980880	1.925902	19.13564	1.942808	1.007977
#2	.9941731	3.966643	1.928121	19.14288	1.940417	1.011335
#3	.9959395	3.996249	1.901652	19.00009	1.941159	1.010215

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.86060	1.916295	1.971752	19.45425	3.839679	3.951701
Stddev	.10515	.010074	.000964	.17173	.056749	.004431
%RSD	.5574955	.5256932	.0488865	.8827463	1.477955	.1121400

#1	18.84912	1.911586	1.970711	19.34305	3.847657	3.956792
#2	18.76167	1.927861	1.972613	19.36766	3.892017	3.948709
#3	18.97102	1.909437	1.971932	19.65204	3.779364	3.949601

Sample Name: ICV01 Acquired: 10/23/2025 13:05:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.869728	3.846216	3.670549	F .0054194	F .0218263	F -.000631
Stddev	.005172	.024129	.036888	.0006272	.0018019	.000686
%RSD	.1336545	.6273318	1.004977	11.57414	8.255665	108.6345

#1	3.875474	3.846099	3.661324	.0059642	.0221755	-.000174
#2	3.868263	3.870402	3.639149	.0047337	.0234281	-.000300
#3	3.865446	3.822146	3.711174	.0055603	.0198754	-.001420

Elem	Sr4077
Units	ppm
Avg	F -.003311
Stddev	.000213
%RSD	6.435231

#1	-.003248
#2	-.003138
#3	-.003549

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6568.869	95172.21	6425.551	5104.786	7265.366
Stddev	16.080	186.33	81.858	19.456	16.326
%RSD	.2447929	.1957847	1.273942	.3811307	.2247121

#1	6554.308	95058.96	6389.333	5083.758	7249.231
#2	6586.127	95387.26	6368.051	5122.149	7281.877
#3	6566.171	95070.40	6519.270	5108.451	7264.991

Sample Name: LLICV01 Acquired: 10/23/2025 13:14:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0220684	.0405383	.0131654	.0235994	.0517000	.0931972	.0986856
Stddev	.0009265	.0020658	.0002791	.0012696	.0005500	.0033174	.0019852
%RSD	4.198150	5.095823	2.120291	5.379620	1.063898	3.559531	2.011669

#1	.0228532	.0411371	.0134652	.0225244	.0517423	.0965431	.0996471
#2	.0210464	.0422386	.0131183	.0250001	.0511301	.0899090	.0964027
#3	.0223056	.0382393	.0129129	.0232738	.0522277	.0931397	.1000070

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064843	.0059482	2.065779	.0109909	.0299164	.0225375	.1079570
Stddev	.0000596	.0000950	.006905	.0000801	.0002589	.0002733	.0179798
%RSD	.9194055	1.597320	.3342755	.7290737	.8655089	1.212670	16.65464

#1	.0065486	.0060567	2.060529	.0110752	.0298996	.0224375	.0937584
#2	.0064309	.0059080	2.073601	.0109157	.0301833	.0223282	.1019385
#3	.0064733	.0058799	2.063206	.0109818	.0296662	.0228467	.1281740

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0220851	2.120763	.0398137	.0106521	1.894021	.0363424	.0434643
Stddev	.0001984	.012442	.0002147	.0002001	.018983	.0016120	.0002293
%RSD	.8984061	.5866945	.5392933	1.878002	1.002258	4.435538	.5275075

#1	.0220388	2.134552	.0400127	.0106955	1.896073	.0380802	.0433755
#2	.0219139	2.117364	.0395861	.0108268	1.911895	.0348960	.0432926
#3	.0223026	2.110374	.0398423	.0104339	1.874095	.0360509	.0437246

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.035460	.1063450	.2028426	.0394374	.0378589	.3916599	.0185728
Stddev	.050248	.0019350	.0010564	.0003059	.0021421	.0064948	.0005656
%RSD	2.468645	1.819559	.5208077	.7755927	5.658004	1.658279	3.045466

#1	1.978697	.1082059	.2039064	.0390848	.0393814	.3900780	.0185017
#2	2.074252	.1064855	.2028275	.0396310	.0387858	.3861022	.0180461
#3	2.053430	.1043435	.2017938	.0395966	.0354095	.3987996	.0191707

Sample Name: LLICV01 Acquired: 10/23/2025 13:14:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0229814	.0193399	.0207061
Stddev	.0030768	.0025737	.0001143
%RSD	13.38807	13.30784	.5519188

#1	.0223530	.0181666	.0207407
#2	.0202673	.0222912	.0205786
#3	.0263238	.0175619	.0207991

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6578.859	95392.25	6332.272	5076.155	7834.666
Stddev	3.714	169.59	45.686	13.974	18.239
%RSD	.0564470	.1777818	.7214777	.2752937	.2327998

#1	6578.781	95557.15	6281.632	5068.433	7817.616
#2	6582.611	95218.33	6370.394	5092.286	7853.898
#3	6575.185	95401.27	6344.789	5067.746	7832.484

Sample Name: ICB01 Acquired: 10/23/2025 13:20:19 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	.0005296	.0000942	-.000320	-.001790	.0002685	.0118962	-.001489
Stddev	.0004937	.0017940	.000574	.001250	.0020319	.0063940	.000756
%RSD	93.22955	1904.508	179.3296	69.80191	756.7468	53.74809	50.73009

#1	.0010397	-.001627	-.000675	-.002234	-.001953	.0070436	-.000816
#2	.0000541	-.000044	.000342	-.000379	.000727	.0191415	-.001346
#3	.0004950	.001953	-.000627	-.002757	.002032	.0095036	-.002306

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000560	-.000007	.0080211	.0002164	.0001119	.0002510	.0255058
Stddev	.0001017	.000008	.0095378	.0001694	.0001368	.0000927	.0013769
%RSD	181.7023	108.2280	118.9090	78.25450	122.2171	36.93919	5.398226

#1	.0001540	-.000016	-.002980	.0003122	.0000560	.0001445	.0241804
#2	-.000049	-.000001	.013967	.0000209	.0000119	.0003136	.0269289
#3	.000063	-.000005	.013076	.0003162	.0002678	.0002948	.0254079

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007160	-.011501	.0061913	.0004313	-.042818	-.001579	.0008832
Stddev	.0009366	.021722	.0001450	.0001799	.022550	.001165	.0001545
%RSD	130.8028	188.8759	2.341130	41.72219	52.66471	73.80438	17.49330

#1	.0017592	-.032173	.0060412	.0004654	-.041371	-.000242	.0009121
#2	.0004418	.011138	.0063304	.0005917	-.021026	-.002115	.0007163
#3	-.000053	-.013468	.0062024	.0002367	-.066056	-.002379	.0010212

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.062450	.0015214	.0001953	.0022240	-.002245	.0176759	.0000334
Stddev	.024388	.0005770	.0000307	.0001407	.003048	.0036754	.0005269
%RSD	39.05207	37.92344	15.71179	6.324005	135.7686	20.79308	1576.535

#1	-.086248	.0011337	.0001828	.0022759	-.004930	.0175626	.0003528
#2	-.063589	.0021845	.0002303	.0023313	-.002873	.0140585	.0003222
#3	-.037512	.0012461	.0001729	.0020648	.001068	.0214067	-.000575

Sample Name: ICB01 Acquired: 10/23/2025 13:20:19 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002549	-.000284	-.000151
Stddev	.000662	.002193	.000060
%RSD	25.97210	771.9399	39.83743

#1	-.001860	-.002683	-.000082
#2	-.002607	.000215	-.000174
#3	-.003181	.001616	-.000195

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6729.716	98256.62	6334.957	5288.510	8227.433
Stddev	13.088	626.62	20.058	30.888	16.024
%RSD	.1944769	.6377398	.3166314	.5840643	.1947691

#1	6722.493	97642.76	6348.095	5253.057	8215.043
#2	6721.832	98231.82	6311.868	5309.617	8221.727
#3	6744.824	98895.27	6344.907	5302.855	8245.530

Sample Name: CRI01 Acquired: 10/23/2025 13:24:38 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0219775	.0420193	.0108489	.0194927	.0489973	.0933278	.0928359
Stddev	.0012301	.0024292	.0007491	.0017051	.0003446	.0164026	.0007426
%RSD	5.596974	5.781051	6.904584	8.747553	.7033021	17.57528	.7999601
#1	.0231249	.0419950	.0110167	.0192899	.0487190	.0746878	.0936698
#2	.0206788	.0444606	.0100302	.0178980	.0488901	.1055562	.0922457
#3	.0221289	.0396024	.0114999	.0212901	.0493828	.0997393	.0925923
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064135	.0056934	2.051009	.0102161	.0289321	.0211084	.1085419
Stddev	.0000435	.0000620	.007309	.0001503	.0002190	.0001632	.0101387
%RSD	.6779475	1.089598	.3563543	1.471536	.7569697	.7732802	9.340793
#1	.0064613	.0057492	2.042928	.0101250	.0290078	.0212934	.0972183
#2	.0063764	.0057044	2.057158	.0101336	.0291032	.0210471	.1167776
#3	.0064026	.0056266	2.052941	.0103896	.0286853	.0209847	.1116296
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207299	2.103450	.0388891	.0101705	1.819770	.0373324	.0426095
Stddev	.0004211	.023722	.0005371	.0007034	.016677	.0014225	.0005791
%RSD	2.031177	1.127777	1.381143	6.916051	.9164284	3.810331	1.359112
#1	.0210115	2.087671	.0394334	.0107429	1.832592	.0369312	.0431791
#2	.0209322	2.091947	.0388744	.0093853	1.800917	.0361536	.0426281
#3	.0202458	2.130730	.0383595	.0103835	1.825802	.0389124	.0420214
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.905679	.1021374	.1964854	.0377840	.0357767	.3646863	.0188379
Stddev	.010811	.0013164	.0018118	.0004454	.0008115	.0107430	.0014031
%RSD	.5673249	1.288828	.9220955	1.178800	2.268085	2.945807	7.448510
#1	1.893467	.1033423	.1982978	.0380215	.0366892	.3523930	.0203222
#2	1.914028	.1023376	.1964844	.0380603	.0355048	.3722708	.0186584
#3	1.909542	.1007324	.1946742	.0372702	.0351361	.3693952	.0175332

Sample Name: CRI01 Acquired: 10/23/2025 13:24:38 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0163875	.0190442	.0205355
Stddev	.0032953	.0018120	.0001436
%RSD	20.10871	9.514593	.6993263

#1	.0154961	.0172852	.0206752
#2	.0200369	.0209049	.0205432
#3	.0136297	.0189426	.0203882

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6716.814	97165.04	6222.907	5242.696	7988.590
Stddev	61.934	521.69	43.008	10.356	67.805
%RSD	.9220745	.5369106	.6911186	.1975341	.8487724

#1	6648.772	96749.15	6193.825	5234.612	7914.858
#2	6731.767	96995.59	6202.587	5254.369	8002.648
#3	6769.903	97750.40	6272.310	5239.106	8048.264

Sample Name: ICSA01 Acquired: 10/23/2025 13:28:48 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088341	.0131088	-.002090	.0045055	-.003698	245.2416
Stddev	.0017642	.0037820	.001690	.0017938	.002929	.5181
%RSD	19.97084	28.85055	80.85409	39.81372	79.21214	.2112594
#1	.0084410	.0131731	-.000448	.0062002	-.006756	245.6055
#2	.0072995	.0092950	-.001998	.0026268	-.003419	244.6484
#3	.0107617	.0168581	-.003825	.0046895	-.000918	245.4709
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024475	.0018293	-.000071	235.6037	.0484827	.0019161
Stddev	.0014866	.0001693	.000096	.3274	.0003188	.0001161
%RSD	60.74145	9.252619	136.2744	.1389594	.6575901	6.060015
#1	.0036369	.0016524	.000037	235.8835	.0482428	.0020297
#2	.0007809	.0018456	-.000102	235.2437	.0488445	.0017976
#3	.0029246	.0019898	-.000147	235.6840	.0483608	.0019210
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0123472	102.5487	.0064757	248.8846	.0039578	-.002449
Stddev	.0004359	.4041	.0001470	.4171	.0001274	.000805
%RSD	3.530276	.3940496	2.269797	.1675960	3.219504	32.87092
#1	.0127400	102.2432	.0063517	249.1107	.0039077	-.001907
#2	.0124235	102.3960	.0064374	248.4033	.0038630	-.002067
#3	.0118782	103.0069	.0066380	249.1399	.0041026	-.003374
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1304824	-.000280	.0035495	.1625024	.0533844	.0008576
Stddev	.0350163	.001299	.0005094	.0234942	.0028098	.0001120
%RSD	26.83601	464.2807	14.35089	14.45773	5.263379	13.05792
#1	.0900957	-.000551	.0041317	.1353829	.0512134	.0007320
#2	.1489944	-.001422	.0031858	.1766732	.0523819	.0008937
#3	.1523570	.001134	.0033311	.1754512	.0565580	.0009470

Sample Name: ICSA01 Acquired: 10/23/2025 13:28:48 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000519	-.002899	.0451378	.0027868	.0066891	F -.026300
Stddev	.000767	.001551	.0002940	.0023527	.0018129	.001928
%RSD	147.7780	53.49341	.6513576	84.42102	27.10217	7.332235
#1	.000309	-.004545	.0449587	.0046919	.0083186	-.028187
#2	-.001204	-.001465	.0454771	.0035116	.0047363	-.024333
#3	-.000661	-.002687	.0449777	.0001571	.0070125	-.026382
Elem	Sr4077					
Units	ppm					
Avg	-.000623					
Stddev	.000572					
%RSD	91.89457					
#1	-.000119					
#2	-.000504					
#3	-.001245					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	5952.018	83913.25	6051.858	4568.999	6141.936	
Stddev	7.167	403.30	17.776	12.774	7.632	
%RSD	.1204166	.4806136	.2937342	.2795762	.1242574	
#1	5943.893	84375.16	6050.768	4581.338	6133.703	
#2	5957.443	83733.55	6034.651	4555.831	6148.775	
#3	5954.719	83631.04	6070.154	4569.827	6143.329	

Sample Name: ICSAB01 Acquired: 10/23/2025 13:39:03 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1069196	.1188784	.0459839	.0557068	.5929249	242.8809
Stddev	.0026505	.0088720	.0016468	.0053648	.0054919	1.8880
%RSD	2.479006	7.463095	3.581351	9.630347	.9262379	.7773561

#1	.1038882	.1250543	.0471935	.0618870	.5948597	242.0541
#2	.1088006	.1228690	.0441084	.0529838	.5971875	245.0413
#3	.1080699	.1087119	.0466498	.0522497	.5867274	241.5472

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4834753	.5110374	.9940922	233.2937	.5500706	.4985059
Stddev	.0035278	.0016692	.0019309	1.6903	.0023845	.0006485
%RSD	.7296765	.3266244	.1942380	.7245396	.4334843	.1300855

#1	.4809747	.5124629	.9951034	232.7163	.5520213	.4992535
#2	.4875105	.5114480	.9953074	235.1970	.5507779	.4981700
#3	.4819407	.5092012	.9918657	231.9677	.5474124	.4980943

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4849581	100.6699	.4887478	245.6731	.9928133	.2062812
Stddev	.0001638	.3977	.0040339	1.6958	.0015852	.0010455
%RSD	.0337800	.3950645	.8253580	.6902653	.1596642	.5068139

#1	.4851049	100.5675	.4879433	245.4662	.9939873	.2061214
#2	.4849879	101.1088	.4931234	247.4629	.9934425	.2073973
#3	.4847814	100.3334	.4851768	244.0903	.9910102	.2053247

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0468090	.4789464	1.031718	-.086307	.9717820	.9592830
Stddev	.0380863	.0044282	.002615	.029359	.0023148	.0030436
%RSD	81.36522	.9245673	.2534227	34.01680	.2382025	.3172787

#1	.0576739	.4810683	1.034602	-.073654	.9736038	.9614542
#2	.0782824	.4819144	1.031050	-.065396	.9725650	.9605907
#3	.0044709	.4738566	1.029503	-.119871	.9691773	.9558041

Sample Name: ICSAB01 Acquired: 10/23/2025 13:39:03 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9742535	.9419990	1.016974	F .0071773	F .0112900	F -.027263
Stddev	.0030083	.0043421	.004631	.0017008	.0021500	.000120
%RSD	.3087771	.4609406	.4553804	23.69680	19.04346	.4397281
#1	.9774480	.9429937	1.012366	.0069922	.0136826	-.027310
#2	.9738378	.9457575	1.021627	.0089632	.0095198	-.027351
#3	.9714747	.9372459	1.016930	.0055767	.0106677	-.027126
Elem	Sr4077					
Units	ppm					
Avg	F .0003776					
Stddev	.0004116					
%RSD	108.9979					
#1	.0002352					
#2	.0008415					
#3	.0000561					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	6083.062	85850.69	6146.641	4683.993	6269.210	
Stddev	13.054	561.81	42.065	29.393	9.212	
%RSD	.2145904	.6544030	.6843499	.6275144	.1469415	
#1	6084.947	85235.08	6099.461	4651.270	6266.863	
#2	6069.168	86335.69	6180.227	4708.154	6261.399	
#3	6095.070	85981.30	6160.236	4692.555	6279.369	

Sample Name: ICSA01DLX20 Acquired: 10/23/2025 13:43:44 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	.0006053	.0017756	-.000014	.0001186	-.001670	13.13309	-.003344
Stddev	.0017482	.0017335	.001274	.0013030	.000837	.07161	.002255
%RSD	288.8374	97.63110	8920.624	1098.766	50.12418	.5452813	67.42191
#1	.0015946	.0012735	-.001401	.0007337	-.002459	13.08470	-.005660
#2	.0016345	.0037047	.000255	-.001378	-.001760	13.21536	-.001155
#3	-.001413	.0003485	.001104	.001000	-.000792	13.09922	-.003218
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001500	-.000076	13.04513	.0025144	.0000131	.0009619	5.330757
Stddev	.0000921	.000053	.07067	.0000930	.0000626	.0002457	.069624
%RSD	61.38854	70.02709	.5417303	3.698231	478.8376	25.54188	1.306081
#1	.0001106	-.000117	13.02841	.0024187	-.000055	.0012187	5.318780
#2	.0002551	-.000016	13.12267	.0026044	.000025	.0009380	5.267899
#3	.0000841	-.000095	12.98433	.0025203	.000069	.0007290	5.405593
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002706	13.55965	-.000131	.0003044	-.069446	-.002284	.0000166
Stddev	.0006992	.05822	.000281	.0005593	.005883	.002474	.0001234
%RSD	258.4070	.4293325	214.0108	183.7690	8.471897	108.3225	741.5273
#1	.0002736	13.56678	-.000378	.0002378	-.062760	-.001738	.0001536
#2	-.000430	13.61397	.000175	-.000219	-.073833	-.004986	-.000086
#3	.000968	13.49819	-.000191	.000894	-.071744	-.000128	-.000018
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.167635	-.003845	.0001069	.0005948	.0008343	.0149793	.0004825
Stddev	.022245	.000352	.0000776	.0003791	.0021003	.0107065	.0005549
%RSD	13.27015	9.159192	72.63344	63.73510	251.7597	71.47523	114.9913
#1	-.144750	-.003728	.0001960	.0004467	.0013342	.0124842	.0002444
#2	-.168976	-.004240	.0000703	.0003122	-.001471	.0057407	.0011168
#3	-.189180	-.003565	.0000542	.0010257	.002640	.0267130	.0000865

Sample Name: ICSA01DLX20 Acquired: 10/23/2025 13:43:44 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0012866	-.005942	.0002274
Stddev	.0011891	.002460	.0001549
%RSD	92.42440	41.39408	68.08394
#1	.0018212	-.004648	.0003836
#2	-.000076	-.008779	.0002247
#3	.002115	-.004400	.0000740

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6570.499	94788.25	6260.784	5139.425	7618.516
Stddev	12.382	132.31	89.170	21.117	12.909
%RSD	.1884526	.1395869	1.424257	.4108884	.1694416
#1	6557.950	94742.87	6242.040	5121.977	7607.978
#2	6570.841	94684.61	6182.477	5133.398	7614.655
#3	6582.707	94937.29	6357.836	5162.901	7632.915

Sample Name: ICSAB01DLX20 Acquired: 10/23/2025 13:47:58 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	.0055668	.0067389	.0035411	.0017585	.0283802	12.17597	.0244147
Stddev	.0020409	.0056800	.0006547	.0018365	.0012544	.00879	.0002926
%RSD	36.66261	84.28638	18.48708	104.4334	4.419835	.0721964	1.198647
#1	.0047298	.0017982	.0035206	.0025828	.0270215	12.17740	.0241196
#2	.0040774	.0054737	.0042058	-.000346	.0286249	12.16655	.0247048
#3	.0078932	.0129448	.0028970	.003038	.0294942	12.18395	.0244196
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0258758	.0470456	12.01675	.0279634	.0237572	.0259933	4.795457
Stddev	.0000705	.0001041	.04655	.0000614	.0000232	.0003885	.013063
%RSD	.2722499	.2212377	.3873575	.2195421	.0978010	1.494688	.2724087
#1	.0258145	.0469329	11.96474	.0280251	.0237821	.0256143	4.809911
#2	.0259528	.0470659	12.05451	.0279023	.0237536	.0263907	4.791964
#3	.0258602	.0471381	12.03099	.0279627	.0237360	.0259748	4.784495
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0250752	12.55158	.0476464	.0101508	-.083306	.0220809	.0506634
Stddev	.0001712	.03937	.0003408	.0003440	.022329	.0060033	.0000900
%RSD	.6825432	.3136662	.7152959	3.388676	26.80304	27.18766	.1776476
#1	.0248862	12.53830	.0473301	.0103739	-.109042	.0269330	.0505673
#2	.0252197	12.52056	.0476016	.0103238	-.071795	.0153674	.0507457
#3	.0251198	12.59587	.0480073	.0097546	-.069083	.0239423	.0506772
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.173382	.0439254	.0505895	.0481751	.0451123	.0475567	-.000238
Stddev	.046775	.0004948	.0000931	.0000775	.0002032	.0046289	.000650
%RSD	26.97790	1.126369	.1839881	.1608518	.4504644	9.733464	273.0534
#1	-.144890	.0434454	.0505030	.0482637	.0450280	.0489360	-.000978
#2	-.147891	.0444337	.0505776	.0481417	.0453441	.0423949	.000239
#3	-.227365	.0438970	.0506880	.0481199	.0449648	.0513392	.000025

Sample Name: ICSAB01DLX20 Acquired: 10/23/2025 13:47:58 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0030496	-.003899	.0002789
Stddev	.0016779	.001834	.0000791
%RSD	55.02018	47.02623	28.36729

#1	.0035354	-.002169	.0003041
#2	.0044310	-.003706	.0001903
#3	.0011824	-.005821	.0003425

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6566.221	95959.69	6261.932	5141.774	7628.183
Stddev	12.213	392.85	22.695	36.889	6.065
%RSD	.1860016	.4093951	.3624226	.7174358	.0795054

#1	6577.175	95798.90	6265.561	5165.366	7635.141
#2	6553.052	95672.74	6237.642	5099.264	7624.013
#3	6568.438	96407.43	6282.594	5160.693	7625.396

Sample Name: CCV01 Acquired: 10/23/2025 13:52:06 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	5.250177	5.301400	5.163403	5.332568	5.268494	10.09434	9.899007
Stddev	.026607	.434221	.005077	.039102	.016677	.04008	.020161
%RSD	.5067918	8.190690	.0983283	.7332624	.3165446	.3970737	.2036674
#1	5.265707	5.609864	5.158014	5.350057	5.263319	10.04905	9.920722
#2	5.265370	5.489491	5.168096	5.359873	5.287144	10.12524	9.880882
#3	5.219454	4.804844	5.164099	5.287774	5.255017	10.10873	9.895418
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2599174	2.582248	25.34755	1.058456	2.573886	1.302036	5.106554
Stddev	.0027450	.003330	.06107	.003915	.003668	.001240	.031325
%RSD	1.056112	.1289523	.2409285	.3698882	.1425069	.0952647	.6134361
#1	.2567682	2.580120	25.30224	1.054179	2.571931	1.300754	5.140275
#2	.2618032	2.586085	25.32341	1.061863	2.578117	1.303231	5.101027
#3	.2611810	2.580538	25.41700	1.059326	2.571610	1.302122	5.078360
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.475348	25.28678	2.581370	1.304003	24.28492	2.529663	2.617675
Stddev	.003494	.05753	.002278	.002998	.20925	.006928	.011747
%RSD	.1411355	.2275078	.0882483	.2299417	.8616444	.2738558	.4487446
#1	2.471649	25.23950	2.579047	1.302643	24.51105	2.524697	2.605936
#2	2.475804	25.35083	2.583600	1.301925	24.09814	2.526713	2.617659
#3	2.478591	25.27001	2.581465	1.307440	24.24556	2.537577	2.629429
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.22871	5.134650	5.193001	5.118612	4.992686	5.155490	5.250242
Stddev	.20665	.043889	.012813	.029797	.004119	.010303	.031549
%RSD	.8191209	.8547675	.2467347	.5821356	.0824968	.1998485	.6009077
#1	25.45408	5.084051	5.200074	5.131650	4.991227	5.164313	5.272233
#2	25.04812	5.157475	5.200719	5.139669	4.997336	5.144167	5.264399
#3	25.18391	5.162423	5.178211	5.084518	4.989495	5.157989	5.214094

Sample Name: CCV01 Acquired: 10/23/2025 13:52:06 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.188019	4.828861	4.999028
Stddev	.094163	.009028	.117815
%RSD	1.815014	.1869601	2.356755

#1	5.237867	4.831289	4.951306
#2	5.246781	4.818867	4.912562
#3	5.079411	4.836427	5.133218

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6297.137	91751.82	6176.779	4852.585	6878.289
Stddev	11.467	177.70	58.991	38.620	11.541
%RSD	.1821024	.1936739	.9550490	.7958606	.1677874

#1	6287.198	91880.67	6241.971	4897.064	6866.065
#2	6309.683	91549.10	6127.082	4827.567	6888.997
#3	6294.529	91825.68	6161.283	4833.125	6879.805

Sample Name: CCB01 Acquired: 10/23/2025 13:57:18 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	.0011432	.0010242	.0008311	-.000613	-.001496	-.000978	.0007324
Stddev	.0003246	.0023722	.0003864	.000821	.001547	.004077	.0002519
%RSD	28.39478	231.6137	46.49177	133.8410	103.3853	416.8651	34.39789
#1	.0014738	-.001581	.0005850	-.000887	-.002867	.003585	.0005955
#2	.0011309	.001592	.0006318	.000310	.000181	-.004263	.0005786
#3	.0008249	.003061	.0012764	-.001262	-.001802	-.002256	.0010232
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000317	.0000225	-.007437	.0001614	.0000606	-.000153	.0094431
Stddev	.0000298	.0000276	.017765	.0000156	.0000324	.000205	.0054775
%RSD	94.00519	122.8324	238.8869	9.656098	53.40462	134.3412	58.00536
#1	.0000608	.0000369	-.027590	.0001444	.0000241	-.000220	.0032061
#2	.0000013	-.000009	.005956	.0001646	.0000721	-.000315	.0116519
#3	.0000329	.000040	-.000676	.0001751	.0000857	.000078	.0134714
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003575	-.007995	-.000190	.0002289	-.098386	-.003607	.0062189
Stddev	.0004873	.026008	.000120	.0006940	.012951	.001482	.0001467
%RSD	136.2946	325.3239	62.90871	303.2456	13.16392	41.07724	2.358207
#1	-.000205	-.033397	-.000138	.0004307	-.109910	-.002436	.0063585
#2	.000640	.018580	-.000105	-.000544	-.100878	-.003113	.0062321
#3	.000638	-.009167	-.000327	.000800	-.084369	-.005272	.0060661
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.145589	-.002247	.0002113	.0085531	-.000825	.0146133	.0004472
Stddev	.037519	.000882	.0000294	.0002785	.001246	.0061942	.0011713
%RSD	25.77035	39.26451	13.89808	3.256319	150.9631	42.38767	261.9286
#1	-.119753	-.002012	.0002024	.0088228	.000606	.0118352	-.000323
#2	-.128390	-.003223	.0001875	.0085701	-.001413	.0102944	.001795
#3	-.188624	-.001506	.0002442	.0082665	-.001669	.0217103	-.000131

Sample Name: CCB01 Acquired: 10/23/2025 13:57:18 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0014603	-.003768	-.000040
Stddev	.0012225	.001409	.000087
%RSD	83.71260	37.39887	218.7080
#1	.0014001	-.002661	.000002
#2	.0027118	-.005354	-.000140
#3	.0002691	-.003288	.000019

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6675.237	96511.44	6405.483	5103.851	8129.231
Stddev	3.253	298.44	11.258	17.542	15.225
%RSD	.0487339	.3092303	.1757497	.3436942	.1872897
#1	6672.041	96711.15	6413.697	5094.554	8122.522
#2	6675.126	96654.80	6392.651	5124.084	8118.513
#3	6678.544	96168.36	6410.102	5092.915	8146.659

Sample Name: LR-1 Acquired: 10/23/2025 14:01:35 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036276	.0173804	-.002505	-.015725	.0248074	.4995269	.0142960
Stddev	.0037106	.0023211	.000616	.002434	.0047087	.0155344	.0022180
%RSD	102.2872	13.35449	24.57763	15.47537	18.98109	3.109829	15.51454
#1	.0061979	.0158350	-.001794	-.016445	.0302441	.4818323	.0163317
#2	-.000626	.0162569	-.002883	-.013013	.0220288	.5109227	.0119323
#3	.005311	.0200495	-.002836	-.017718	.0221492	.5058257	.0146240
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010503	.0014442	2285.365	.0614082	.0075105	.0118967	.9771978
Stddev	.0001076	.0001348	45.238	.0001821	.0001010	.0007658	.0064138
%RSD	10.23998	9.332453	1.979479	.2966127	1.345056	6.437091	.6563517
#1	.0009266	.0013892	2334.434	.0612895	.0075404	.0119646	.9713020
#2	.0011029	.0015978	2276.346	.0616179	.0073979	.0110992	.9840273
#3	.0011214	.0013457	2245.316	.0613172	.0075932	.0126263	.9762640
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0324322	2306.916	.0469897	.0035524	2360.485	.0124952	.0856617
Stddev	.0003795	15.430	.0010284	.0003374	23.477	.0057175	.0006650
%RSD	1.170009	.6688738	2.188601	9.496734	.9946005	45.75741	.7763521
#1	.0326217	2323.495	.0481745	.0033492	2371.898	.0103146	.0855522
#2	.0319953	2304.280	.0463271	.0033662	2333.483	.0189822	.0863746
#3	.0326796	2292.974	.0464676	.0039419	2376.074	.0081889	.0850581
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.676308	.0064550	.0126213	-.009095	-.091992	.0057002	.0192782
Stddev	.493299	.0012381	.0005028	.001112	.001827	.0065561	.0030725
%RSD	18.43208	19.18068	3.984037	12.22638	1.985604	115.0153	15.93758
#1	2.172643	.0070981	.0130753	-.008253	-.093854	-.000842	.0158349
#2	2.697739	.0072392	.0127077	-.008676	-.090204	.012270	.0202597
#3	3.158543	.0050277	.0120809	-.010356	-.091918	.005672	.0217400

Sample Name: LR-1 Acquired: 10/23/2025 14:01:35 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2628230	-.337178	.0610313
Stddev	.0011382	.014360	.0000784
%RSD	.4330513	4.258912	.1284356
#1	.2618847	-.352202	.0610917
#2	.2624953	-.335740	.0610596
#3	.2640891	-.323590	.0609428

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4435.986	65865.30	5449.787	3502.069	4429.399
Stddev	3.564	124.46	62.652	5.398	7.969
%RSD	.0803345	.1889640	1.149619	.1541291	.1799088
#1	4432.051	65745.05	5380.173	3506.300	4420.985
#2	4438.996	65993.59	5467.547	3503.916	4436.833
#3	4436.911	65857.27	5501.642	3495.990	4430.377

Sample Name: LR-2 Acquired: 10/23/2025 14:06:01 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1156398	-.069426	.1870937	.0339020	-.194581	1939.325	.0200722
Stddev	.0065027	.009146	.0043824	.0075259	.006642	16.267	.0008629
%RSD	5.623251	13.17399	2.342368	22.19902	3.413701	.8387852	4.298856

#1	.1188485	-.061952	.1866182	.0425920	-.191518	1930.135	.0198626
#2	.1081564	-.066700	.1829685	.0296030	-.202202	1929.733	.0193334
#3	.1199145	-.079625	.1916945	.0295109	-.190022	1958.107	.0210205

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494531	-.013799	7.691815	-.318109	.0697785	.2124486	2783.121
Stddev	.0004372	.001670	.027988	.003285	.0001810	.0205836	30.575
%RSD	.8840259	12.10085	.3638682	1.032674	.2594412	9.688763	1.098582

#1	.0492583	-.013253	7.713787	-.315120	.0699597	.2285512	2759.571
#2	.0491471	-.012471	7.701354	-.317580	.0697780	.2195371	2772.118
#3	.0499538	-.015674	7.660304	-.321626	.0695977	.1892574	2817.675

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.258076	1.051532	.0529917	^ *****	4.042716	.0561694	.0179065
Stddev	.000322	.002334	.0007341	-----	.056410	.0040167	.0027384
%RSD	.1249491	.2219367	1.385336	-----	1.395343	7.151099	15.29276

#1	-.258041	1.049007	.0521847	^ -----	3.986098	.0597817	.0176877
#2	-.257773	1.053609	.0536198	^ -----	4.043135	.0568826	.0207477
#3	-.258415	1.051980	.0531708	^ -----	4.098915	.0518438	.0152840

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1916.883	^ *****	-.013656	.0151124	.0031848	.5253322	.0830173
Stddev	11.770	-----	.000336	.0012797	.0015267	.0075434	.0013578
%RSD	.6140338	-----	2.462729	8.467579	47.93586	1.435925	1.635601

#1	1921.557	^ -----	-.013419	.0157610	.0019737	.5329283	.0814816
#2	1903.493	^ -----	-.013509	.0136384	.0048997	.5252255	.0835118
#3	1925.598	^ -----	-.014041	.0159379	.0026810	.5178427	.0840586

Sample Name: LR-2 Acquired: 10/23/2025 14:06:01 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-4.404949	.2982427	-2.66840
Stddev	.019027	.0033325	.02947
%RSD	4.698654	1.117365	1.104500
#1	-.396402	.2954084	-2.64563
#2	-.391693	.2974058	-2.65788
#3	-.426751	.3019138	-2.70169

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5544.300	76024.30	5799.037	4305.776	4477.999
Stddev	2.590	192.50	30.288	14.869	4.893
%RSD	.0467122	.2532035	.5222955	.3453205	.1092655
#1	5543.915	76194.49	5828.153	4322.330	4479.204
#2	5541.925	76063.02	5801.258	4293.555	4472.616
#3	5547.061	75815.39	5767.699	4301.443	4482.176

Sample Name: LR-3 Acquired: 10/23/2025 14:10:25 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0928469	.0427672	227.0532	.0069862	.1956758	.0926788	-.002341
Stddev	.0015575	.0033131	3.0215	.0025174	.0128441	.0070118	.002637
%RSD	1.677478	7.746835	1.330753	36.03372	6.563969	7.565665	112.6783
#1	.0932636	.0406992	228.4978	.0098239	.1976473	.0987862	.000625
#2	.0911235	.0465885	229.0812	.0050215	.2074202	.0942284	-.004424
#3	.0941537	.0410139	223.5805	.0061132	.1819600	.0850219	-.003223
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006349	-.001120	.4735556	24.31198	.0062939	52.75049	.1765708
Stddev	.000037	.000037	.0148625	.16103	.0000571	1.09458	.0052295
%RSD	.5892466	3.278881	3.138487	.6623472	.9074251	2.075014	2.961698
#1	-.006309	-.001083	.4895774	24.30137	.0063424	53.26873	.1709070
#2	-.006384	-.001157	.4602184	24.15651	.0063083	53.48970	.1775890
#3	-.006354	-.001119	.4708710	24.47805	.0062309	51.49303	.1812162
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	51.75437	.0111264	23.32252	.0034580	1.588129	-.032383	32.91726
Stddev	.43041	.0305932	.44182	.0002982	.039025	.002679	.30702
%RSD	.8316425	274.9593	1.894412	8.622962	2.457291	8.271714	.9327123
#1	51.25825	.0338077	23.52581	.0036361	1.562576	-.029508	33.27042
#2	51.97679	.0232404	23.62611	.0036241	1.633050	-.034809	32.76758
#3	52.02805	-.023669	22.81564	.0031137	1.568761	-.032831	32.71378
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9451109	-.004520	-.018514	-.000304	-.042672	-.112475	.2052555
Stddev	.0186486	.000274	.000484	.000605	.001872	.003546	.0015470
%RSD	1.973166	6.060510	2.615050	198.8959	4.387990	3.153032	.7536833
#1	.9620724	-.004263	-.018860	-.000141	-.040977	-.108435	.2045454
#2	.9481193	-.004808	-.018722	.000203	-.044682	-.115074	.2070301
#3	.9251410	-.004489	-.017961	-.000974	-.042357	-.113915	.2041911

Sample Name: LR-3 Acquired: 10/23/2025 14:10:25 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1013651	.0091912	.0005134
Stddev	.0070363	.0014779	.0000959
%RSD	6.941526	16.07909	18.68702

#1	.1002409	.0107425	.0005718
#2	.1088957	.0077997	.0005658
#3	.0949585	.0090314	.0004027

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6171.369	97738.69	6439.934	4928.347	7784.598
Stddev	71.865	235.55	38.014	10.853	78.587
%RSD	1.164492	.2409951	.5902832	.2202151	1.009516

#1	6130.667	97577.51	6411.567	4916.263	7741.740
#2	6129.094	98009.01	6483.127	4931.511	7736.757
#3	6254.347	97629.55	6425.109	4937.266	7875.296

Sample Name: Q3398-01 Acquired: 10/23/2025 14:15:16 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .5030547	s 6.523119	sF -13.8171	k -.010194	k 3.395124	6.417897
Stddev	.0047280	.089999	1.8110	.004593	.028892	.137125
%RSD	.9398619	1.379689	13.10731	45.05747	.8509840	2.136600

#1	k .5066070	s 6.466933	s -12.2456	k -.015481	k 3.364423	6.264121
#2	k .4976883	s 6.475501	s -13.4079	k -.007195	k 3.399167	6.527465
#3	k .5048689	s 6.626923	s -15.7977	k -.007904	k 3.421781	6.462103

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019829	^ *****	s -.765637	2.398849	k 3.787471	^ *****
Stddev	.0005104	-----	.095732	.005053	.012769	-----
%RSD	25.74303	-----	12.50360	.2106389	.3371285	-----

#1	.0025486	^ -----	s -.683530	2.393084	k 3.797872	^ -----
#2	.0015567	^ -----	s -.742594	2.400956	k 3.791320	^ -----
#3	.0018433	^ -----	s -.870788	2.402508	k 3.773221	^ -----

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k 1.952445	k 4.142803	k .0121796	F -12.4057	^ *****	k -.056817
Stddev	.027107	.015008	.0009653	.0732	-----	.000620
%RSD	1.388344	.3622690	7.925686	.5903225	-----	1.091209

#1	k 1.927153	k 4.128903	k .0110724	-12.3262	^ -----	k -.056276
#2	k 1.949123	k 4.140792	k .0128448	-12.4207	^ -----	k -.056681
#3	k 1.981060	k 4.158716	k .0126215	-12.4703	^ -----	k -.057494

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1420.573	^ *****	k -.292671	31.66235	kF 26.81650	F 648.0229
Stddev	10.000	-----	.003522	.12895	.03646	1.7099
%RSD	.7039658	-----	1.203465	.4072571	.1359578	.2638681

#1	1422.827	^ -----	k -.294505	31.57630	k 26.78003	647.3438
#2	1409.638	^ -----	k -.294897	31.60014	k 26.85295	646.7569
#3	1429.254	^ -----	k -.288610	31.81061	k 26.81653	649.9681

Sample Name: Q3398-01 Acquired: 10/23/2025 14:15:16 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s .1543323	k .1163793	k 5.079020	s 4.614283	sF 481.3772	k .0086992
Stddev	.0112843	.0015628	.063902	.580048	60.1880	.0034292
%RSD	7.311694	1.342877	1.258158	12.57071	12.50330	39.41984

#1	s .1420187	k .1156533	k 5.079803	s 4.130726	s 431.4858	k .0071738
#2	s .1567989	k .1181731	k 5.142527	s 4.454708	s 464.4215	k .0062973
#3	s .1641793	k .1153116	k 5.014730	s 5.257416	s 548.2244	k .0126264

Elem	Sr4077
Units	ppm
Avg	k .0182531
Stddev	.0001624
%RSD	.8894761

#1	k .0183434
#2	k .0180656
#3	k .0183502

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3295.334	77552.37	5955.117	2420.946	^ *****
Stddev	20.041	177.47	32.416	17.631	-----
%RSD	.6081543	.2288381	.5443393	.7282612	-----

#1	3309.624	77703.22	5992.186	2420.182	^ -----
#2	3303.953	77356.83	5941.082	2403.709	^ -----
#3	3272.426	77597.06	5932.084	2438.946	^ -----

Sample Name: PB170190BS Acquired: 10/23/2025 14:23:52 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7151848	1.761109	.8575924	1.801686	.7291143	1.835039
Stddev	.0012672	.030908	.0018748	.002464	.0026025	.005593
%RSD	.1771868	1.755013	.2186134	.1367482	.3569393	.3047770
#1	.7138461	1.729143	.8558214	1.802017	.7295853	1.832227
#2	.7153424	1.763347	.8573997	1.799073	.7314491	1.831409
#3	.7163658	1.790837	.8595561	1.803967	.7263085	1.841479
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1799461	.1936641	.1717846	.9391656	.3673593	.1758535
Stddev	.0031690	.0013574	.0002894	.0089598	.0005312	.0003464
%RSD	1.761078	.7009184	.1684685	.9540144	.1446080	.1969817
#1	.1770420	.1938023	.1714808	.9493691	.3679659	.1754542
#2	.1833262	.1922429	.1718159	.9355450	.3671352	.1760732
#3	.1794701	.1949472	.1720570	.9325826	.3669769	.1760331
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2823170	2.662754	.1891158	1.850259	.4408788	.0655528
Stddev	.0005265	.031294	.0007501	.031405	.0010278	.0004167
%RSD	.1865020	1.175253	.3966283	1.697318	.2331302	.6356694
#1	.2819159	2.675016	.1893331	1.823431	.4396943	.0650717
#2	.2821219	2.686059	.1882811	1.884803	.4414061	.0657850
#3	.2829132	2.627185	.1897333	1.842544	.4415359	.0658016
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.133847	.2742820	.1852444	9.360302	.2915343	.3832576
Stddev	.017076	.0004762	.0006561	.105355	.0014715	.0005301
%RSD	.5449018	.1736134	.3541999	1.125550	.5047514	.1383226
#1	3.151617	.2742038	.1859417	9.257768	.2928160	.3835555
#2	3.132364	.2738498	.1846392	9.468267	.2899273	.3835718
#3	3.117561	.2747925	.1851522	9.354871	.2918596	.3826455

Sample Name: PB170190BS Acquired: 10/23/2025 14:23:52 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6116140	.1768112	.7748739	5.045214	F -.002798	.2079846
Stddev	.0019592	.0025275	.0116872	.011549	.000481	.0016620
%RSD	.3203339	1.429493	1.508271	.2289178	17.20453	.7991094

#1	.6138447	.1777804	.7645298	5.058336	-.002458	.2070451
#2	.6101724	.1739425	.7875520	5.040712	-.002587	.2099036
#3	.6108249	.1787106	.7725400	5.036593	-.003349	.2070050

Elem	Sr4077
Units	ppm
Avg	.1803590
Stddev	.0004035
%RSD	.2236923

#1	.1805518
#2	.1806299
#3	.1798954

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7178.068	104620.4	6492.855	5687.518	8376.873
Stddev	2.488	344.7	20.894	28.428	2.256
%RSD	.0346641	.3294793	.3218004	.4998277	.0269267

#1	7179.127	104663.2	6497.113	5658.211	8378.898
#2	7179.851	104256.3	6511.292	5689.367	8377.279
#3	7175.225	104941.7	6470.160	5714.976	8374.442

Sample Name: Q3365-01DLX5 Acquired: 10/23/2025 14:28:09 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073648	.0006402	.0055650	-.003078	-.000544	1.768113
Stddev	.0020825	.0031597	.0013443	.001724	.002949	.001987
%RSD	28.27620	493.5356	24.15628	55.99557	542.2070	.1123972

#1	.0097003	-.001440	.0041506	-.003906	-.003553	1.770338
#2	.0057012	-.000916	.0057184	-.001097	.002341	1.767484
#3	.0066929	.004276	.0068261	-.004232	-.000419	1.766516

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0577580	.0002247	.0052067	64.49226	.0034445	.0022875
Stddev	.0015140	.0000986	.0000720	.19990	.0001542	.0001667
%RSD	2.621309	43.87856	1.383060	.3099570	4.476263	7.288713

#1	.0575008	.0002694	.0052163	64.72196	.0032673	.0024708
#2	.0563891	.0001117	.0052735	64.39716	.0035480	.0022469
#3	.0593842	.0002929	.0051304	64.35768	.0035181	.0021448

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0283783	8.761705	.4667732	9.590342	.0073713	.0004880
Stddev	.0004248	.089914	.0004371	.061158	.0003862	.0004522
%RSD	1.496960	1.026214	.0936501	.6376994	5.238659	92.66109

#1	.0279171	8.858768	.4666613	9.657341	.0069274	.0000990
#2	.0287536	8.681258	.4664028	9.576171	.0076298	.0009842
#3	.0284641	8.745088	.4672554	9.537514	.0075568	.0003809

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1029.293	.0044833	.2034908	11.85813	.0417797	.0162127
Stddev	11.803	.0016601	.0003626	.24541	.0011971	.0004373
%RSD	1.146749	37.02823	.1782096	2.069542	2.865215	2.697468

#1	1042.847	.0055879	.2032545	11.68977	.0431618	.0166431
#2	1021.276	.0025742	.2039083	11.74491	.0411066	.0162262
#3	1023.755	.0052876	.2033095	12.13971	.0410706	.0157687

Sample Name: Q3365-01DLX5 Acquired: 10/23/2025 14:28:09 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004004	.0861508	4.824830	.2058949	F 27.83879	.0305066
Stddev	.000582	.0036036	.021399	.0007897	.14945	.0041155
%RSD	14.53943	4.182875	.4435171	.3835460	.5368244	13.49062

#1	-.003637	.0821979	4.848752	.2051484	27.80778	.0260394
#2	-.004675	.0870016	4.807511	.2058145	28.00130	.0313365
#3	-.003700	.0892528	4.818226	.2067217	27.70727	.0341440

Elem	Sr4077
Units	ppm
Avg	.2749184
Stddev	.0020744
%RSD	.7545582

#1	.2771901
#2	.2731246
#3	.2744407

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6474.436	91667.46	6605.327	5059.715	6624.002
Stddev	5.826	336.45	32.619	42.364	4.418
%RSD	.0899810	.3670386	.4938295	.8372848	.0666949

#1	6470.312	91280.39	6624.014	5029.064	6623.112
#2	6481.100	91889.88	6567.662	5108.057	6628.797
#3	6471.895	91832.11	6624.305	5042.023	6620.097

Sample Name: Q3365-02DLX5 Acquired: 10/23/2025 14:32:27 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047156	.0001396	.0064824	-.000674	-.002969	.4575260
Stddev	.0013590	.0020553	.0005532	.002088	.001418	.0172243
%RSD	28.82016	1472.405	8.534415	310.0565	47.76521	3.764664

#1	.0059244	-.002231	.0069660	.000576	-.001481	.4743139
#2	.0032446	.001421	.0058791	.000487	-.004305	.4398961
#3	.0049777	.001229	.0066022	-.003084	-.003120	.4583680

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0443014	.0006983	.0010534	47.98440	-.002281	.0020184
Stddev	.0002891	.0000180	.0000953	.22558	.000255	.0001385
%RSD	.6526655	2.575344	9.048636	.4701023	11.16620	6.863709

#1	.0446247	.0007019	.0011257	48.21352	-.001989	.0021548
#2	.0442123	.0007142	.0010891	47.97712	-.002396	.0018779
#3	.0440674	.0006787	.0009454	47.76255	-.002459	.0020224

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0160658	38.03267	.4261939	6.511709	.0052314	-.000291
Stddev	.0002273	.48742	.0009583	.044252	.0003815	.000425
%RSD	1.414594	1.281569	.2248580	.6795780	7.292801	146.0041

#1	.0163182	37.53719	.4251511	6.562779	.0056645	.000182
#2	.0160020	38.04921	.4270359	6.484713	.0050849	-.000415
#3	.0158773	38.51160	.4263947	6.487635	.0049449	-.000641

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	801.4658	.0012663	.0743231	10.21342	.0555162	.0125063
Stddev	12.1768	.0036270	.0000738	.30872	.0026739	.0001106
%RSD	1.519314	286.4155	.0993197	3.022732	4.816407	.8842245

#1	787.9063	-.001567	.0742388	9.88801	.0527321	.0125990
#2	805.0238	.005354	.0743541	10.25008	.0557524	.0123839
#3	811.4673	.000012	.0743764	10.50218	.0580642	.0125359

Sample Name: Q3365-02DLX5 Acquired: 10/23/2025 14:32:27 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004323	.0160368	2.618450	.2293583	F 19.63369	.0398079
Stddev	.000539	.0005551	.023026	.0030961	.11695	.0012371
%RSD	12.47584	3.461276	.8793875	1.349880	.5956407	3.107581

#1	-.004531	.0165397	2.594940	.2282542	19.51723	.0384173
#2	-.004728	.0154412	2.640960	.2269656	19.63272	.0407860
#3	-.003711	.0161295	2.619448	.2328551	19.75112	.0402205

Elem	Sr4077
Units	ppm
Avg	.1757497
Stddev	.0003301
%RSD	.1878032

#1	.1761267
#2	.1755125
#3	.1756100

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6347.680	88797.03	6535.662	4846.330	6574.494
Stddev	2.757	315.25	72.293	8.379	4.227
%RSD	.0434258	.3550191	1.106132	.1729031	.0642985

#1	6347.095	89126.34	6472.294	4851.612	6577.741
#2	6345.263	88766.72	6520.286	4836.668	6576.027
#3	6350.682	88498.04	6614.406	4850.709	6569.714

Sample Name: PB170190BL Acquired: 10/23/2025 14:36:45 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005850	.0007851	.0006823	-.002514	-.001723	.0148184
Stddev	.0010339	.0009135	.0008403	.001903	.000660	.0106280
%RSD	176.7461	116.3583	123.1591	75.70754	38.32053	71.72186

#1	.0016834	.0006649	-.000113	-.004366	-.002441	.0167914
#2	-.000369	.0017527	.001561	-.000563	-.001143	.0033421
#3	.000441	-.000062	.000599	-.002614	-.001585	.0243216

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026289	.0001011	-.000063	.0021472	-.000229	-.000046
Stddev	.0017069	.0000903	.000015	.0071286	.000325	.000124
%RSD	64.92742	89.33376	23.27011	331.9911	141.8286	268.8481

#1	.0037970	.0000397	-.000078	.0010065	-.000562	-.000137
#2	.0034196	.0002048	-.000049	.0097775	.000089	.000095
#3	.0006700	.0000588	-.000063	-.004342	-.000215	-.000097

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000419	-.006619	.0006705	-.020785	-.000373	.0000497
Stddev	.000181	.009005	.0007698	.023867	.000567	.0006635
%RSD	43.13267	136.0511	114.8034	114.8258	151.8792	1336.091

#1	-.000225	-.006572	.0000477	-.000785	.000270	-.000564
#2	-.000449	.002362	.0015312	-.047206	-.000800	.000754
#3	-.000584	-.015648	.0004327	-.014366	-.000589	-.000041

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6607814	-.005515	-.000046	.9342059	-.002670	.0056346
Stddev	.0243351	.003317	.000408	.0554954	.000276	.0001275
%RSD	3.682776	60.15703	892.6944	5.940386	10.33291	2.262655

#1	.6326863	-.009280	.000124	.8783627	-.002361	.0055612
#2	.6743894	-.003024	-.000511	.9349083	-.002892	.0055607
#3	.6752686	-.004240	.000250	.9893469	-.002758	.0057818

Sample Name: PB170190BL Acquired: 10/23/2025 14:36:45 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082830	-.001188	.0170885	-.001249	.0097254	F .0185162
Stddev	.0001381	.001557	.0100676	.000808	.0015294	.0025462
%RSD	1.667183	131.0079	58.91417	64.71685	15.72550	13.75099

#1	.0083278	-.002166	.0151611	-.000647	.0081723	.0208190
#2	.0081280	-.002006	.0081240	-.002168	.0097739	.0189478
#3	.0083931	.000607	.0279805	-.000933	.0112299	.0157819

Elem	Sr4077
Units	ppm
Avg	-.000094
Stddev	.000087
%RSD	93.16396

#1	-.000057
#2	-.000031
#3	-.000193

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6699.114	97308.94	6211.864	5207.900	8119.654
Stddev	15.470	493.16	37.258	30.178	17.817
%RSD	.2309231	.5067974	.5997872	.5794700	.2194351

#1	6699.100	96795.64	6185.592	5173.054	8128.862
#2	6714.592	97779.13	6195.494	5225.250	8130.984
#3	6683.652	97352.06	6254.504	5225.398	8099.117

Sample Name: Q3398-01DLX5 Acquired: 10/23/2025 14:41:02 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0711413	1.309737	-.035831	-.014061	.3437318	.3147992
Stddev	.0032999	.003826	.000735	.005707	.0047101	.0190086
%RSD	4.638569	.2921062	2.050397	40.58603	1.370278	6.038328

#1	.0721867	1.313528	-.035416	-.018172	.3437825	.2987111
#2	.0674453	1.309806	-.036679	-.007545	.3484164	.3099124
#3	.0737919	1.305878	-.035397	-.016465	.3389967	.3357741

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001252	-.046423	-.012222	.4828943	.6967024	-.132893
Stddev	.001013	.000758	.000161	.0113789	.0029727	.001103
%RSD	80.94104	1.632693	1.319857	2.356390	.4266781	.8298213

#1	-.000145	-.045552	-.012254	.4786394	.6986086	-.131656
#2	-.001477	-.046784	-.012047	.4957875	.6932771	-.133774
#3	-.002133	-.046934	-.012365	.4742561	.6982214	-.133249

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1423407	.9136624	.0019289	F -2.35327	.0268048	-.012211
Stddev	.0013330	.0024993	.0003729	.02595	.0002478	.000430
%RSD	.9365060	.2735419	19.33338	1.102597	.9246464	3.523994

#1	.1409755	.9161832	.0021529	-2.32590	.0265713	-.011832
#2	.1436390	.9136188	.0014984	-2.37750	.0267783	-.012679
#3	.1424077	.9111852	.0021354	-2.35642	.0270649	-.012122

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	255.3778	F -1.44633	-.035930	5.755119	5.971737	F 147.7498
Stddev	3.1375	.01662	.000397	.035391	.060034	.4068
%RSD	1.228556	1.148976	1.105413	.6149510	1.005310	.2753285

#1	257.9811	-1.43358	-.035994	5.737309	5.903781	148.1967
#2	256.2580	-1.44028	-.035504	5.732171	6.017572	147.6515
#3	251.8942	-1.46513	-.036291	5.795877	5.993858	147.4011

Sample Name: Q3398-01DLX5 Acquired: 10/23/2025 14:41:02 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002835	.0209858	.8286706	.0772875	8.598872	.0165071
Stddev	.000449	.0003816	.0345536	.0010020	.027223	.0019107
%RSD	15.83132	1.818389	4.169757	1.296483	.3165902	11.57501

#1	-.003353	.0213135	.8685088	.0762959	8.597621	.0148329
#2	-.002573	.0205669	.8068431	.0782997	8.626699	.0185886
#3	-.002578	.0210772	.8106601	.0772670	8.572296	.0160997

Elem	Sr4077
Units	ppm
Avg	.0026218
Stddev	.0000892
%RSD	3.403817

#1	.0027246
#2	.0025646
#3	.0025761

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5934.859	92051.99	6219.788	4695.328	5936.727
Stddev	5.641	529.91	34.652	29.640	2.405
%RSD	.0950490	.5756676	.5571317	.6312565	.0405060

#1	5929.648	91578.01	6259.197	4665.544	5936.891
#2	5940.849	92624.11	6206.082	4724.821	5934.245
#3	5934.079	91953.85	6194.085	4695.619	5939.046

Sample Name: Q3398-01DL2X10 Acquired: 10/23/2025 14:49:22 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0418340	.7828807	-.003219	-.009328	.1866235	-.038664
Stddev	.0017116	.0034156	.000098	.001116	.0000972	.027207
%RSD	4.091334	.4362866	3.053684	11.96594	.0520635	70.36750
#1	.0435225	.7863392	-.003137	-.010501	.1866940	-.059044
#2	.0418792	.7827933	-.003328	-.009204	.1865127	-.049179
#3	.0401003	.7795097	-.003192	-.008279	.1866637	-.007769
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024875	-.025053	-.006279	.2743275	.3931543	-.057399
Stddev	.0028854	.000441	.000072	.0027224	.0004804	.000532
%RSD	115.9964	1.761245	1.150158	.9924068	.1221875	.9261751
#1	.0044998	-.024879	-.006218	.2711862	.3926008	-.057626
#2	.0037812	-.024726	-.006261	.2757920	.3934627	-.057778
#3	-.000818	-.025555	-.006359	.2760042	.3933994	-.056791
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0635531	.5380089	.0014671	F -1.31010	.0132336	-.007031
Stddev	.0005280	.0069362	.0003907	.01861	.0004596	.000150
%RSD	.8307389	1.289240	26.63355	1.420156	3.473158	2.132806
#1	.0631201	.5402141	.0017815	-1.33153	.0131338	-.006874
#2	.0633980	.5435745	.0010296	-1.30073	.0137350	-.007172
#3	.0641413	.5302382	.0015902	-1.29804	.0128321	-.007045
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	147.4652	-.769201	-.019757	3.128116	3.586074	F 87.96609
Stddev	.8873	.003388	.000238	.075707	.022040	.38930
%RSD	.6017152	.4404199	1.203630	2.420214	.6145986	.4425516
#1	148.3153	-.766649	-.019551	3.069048	3.599847	88.38705
#2	147.5356	-.767909	-.020017	3.101839	3.560654	87.89217
#3	146.5448	-.773044	-.019702	3.213460	3.597721	87.61906

Sample Name: Q3398-01DL2X10 Acquired: 10/23/2025 14:49:22 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004776	.0099964	.4724737	.0380268	4.520012	.0106915
Stddev	.000422	.0013051	.0141877	.0017215	.011152	.0012992
%RSD	8.826588	13.05525	3.002848	4.527075	.2467191	12.15172
#1	-.004737	.0111879	.4630953	.0376657	4.530859	.0121910
#2	-.004376	.0086016	.4655300	.0399002	4.520599	.0099788
#3	-.005217	.0101996	.4887958	.0365145	4.508579	.0099046

Elem	Sr4077
Units	ppm
Avg	.0014343
Stddev	.0002676
%RSD	18.65642
#1	.0012433
#2	.0017401
#3	.0013195

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6222.173	91783.63	6069.472	4816.195	6570.354
Stddev	9.307	108.63	43.560	2.110	16.073
%RSD	.1495840	.1183592	.7176932	.0438053	.2446330
#1	6230.042	91658.30	6030.388	4818.514	6555.218
#2	6224.578	91841.66	6116.433	4815.683	6568.619
#3	6211.899	91850.92	6061.594	4814.389	6587.224

Sample Name: CCV02 Acquired: 10/23/2025 15:04:20 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.242482	5.318685	5.233306	5.213879	5.155109	10.40958
Stddev	.023726	.162010	.001496	.015197	.011672	.05832
%RSD	.4525639	3.046055	.0285848	.2914810	.2264208	.5602379

#1	5.217037	5.133520	5.231579	5.198193	5.155758	10.34349
#2	5.263998	5.434350	5.234209	5.228536	5.166444	10.43148
#3	5.246410	5.388185	5.234129	5.214907	5.143126	10.45379

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.61720	.2744505	2.626978	26.18515	1.052111	2.601118
Stddev	.07165	.0035120	.002116	.15033	.002650	.001029
%RSD	.6748368	1.279657	.0805540	.5741128	.2519048	.0395532

#1	10.58188	.2715972	2.624572	26.06634	1.052772	2.599932
#2	10.57007	.2733815	2.628548	26.13495	1.054368	2.601646
#3	10.69965	.2783728	2.627816	26.35416	1.049193	2.601775

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.306979	5.058895	2.645086	26.13660	2.611175	1.301297
Stddev	.002061	.055457	.017679	.08447	.001161	.001141
%RSD	.1577157	1.096236	.6683727	.3232037	.0444751	.0876719

#1	1.305442	5.085852	2.637732	26.07313	2.610722	1.302514
#2	1.309322	5.095721	2.632271	26.10418	2.612495	1.301123
#3	1.306175	4.995113	2.665255	26.23248	2.610310	1.300252

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.43323	2.604709	2.608846	25.51530	F 5.515463	5.196823
Stddev	.14182	.005479	.008021	.13856	.078383	.012317
%RSD	.5576294	.2103537	.3074685	.5430340	1.421156	.2370008

#1	25.54796	2.598397	2.602023	25.57184	5.453632	5.186317
#2	25.47706	2.607498	2.617682	25.61665	5.489137	5.210377
#3	25.27466	2.608234	2.606833	25.35742	5.603621	5.193774

Sample Name: CCV02 Acquired: 10/23/2025 15:04:20 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.281095	5.219385	4.986359	5.328533	5.209722	5.171201
Stddev	.015239	.021670	.052787	.025226	.045563	.038849
%RSD	.2885664	.4151776	1.058632	.4734224	.8745850	.7512504

#1	5.263633	5.206447	5.000044	5.302882	5.157530	5.146852
#2	5.287941	5.207305	5.030955	5.353312	5.241567	5.150748
#3	5.291711	5.244402	4.928076	5.329405	5.230069	5.216003

Elem	Sr4077
Units	ppm
Avg	5.281753
Stddev	.048142
%RSD	.9114769

#1	5.254399
#2	5.253520
#3	5.337340

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6472.813	92627.41	5807.025	5156.399	6989.120
Stddev	17.217	422.21	71.630	32.298	5.158
%RSD	.2659960	.4558183	1.233504	.6263597	.0737979

#1	6465.704	92719.48	5875.465	5172.609	6986.175
#2	6460.289	92166.76	5813.028	5119.207	6986.109
#3	6492.447	92995.99	5732.583	5177.382	6995.075

Sample Name: CCB02 Acquired: 10/23/2025 15:08:23 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	.0007522	.0004864	.0005933	-.001958	-.000628	.0225501	.0001858
Stddev	.0014405	.0001798	.0005529	.000595	.002071	.0020980	.0002681
%RSD	191.5050	36.95456	93.18088	30.39631	329.6176	9.303758	144.3308
#1	-.000164	.0003504	.0000033	-.001919	.000547	.0208050	-.000070
#2	.000008	.0004187	.0010995	-.002571	-.003020	.0219675	.000465
#3	.002413	.0006902	.0006773	-.001383	.000588	.0248778	.000163
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000027	-.000031	.0092644	.0000193	.0000176	.0002900	.0341633
Stddev	.000055	.000074	.0197169	.0002891	.0000484	.0002220	.0125970
%RSD	199.0854	237.0249	212.8245	1500.833	274.3937	76.55749	36.87273
#1	-.000027	-.000097	.0170449	-.000268	-.000033	.0000645	.0421547
#2	.000027	-.000047	.0239040	.000016	.000063	.0005083	.0196421
#3	-.000082	.000049	-.013156	.000310	.000023	.0002971	.0406932
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008900	.0067820	.0007370	.0004706	.0745148	-.004410	.0005180
Stddev	.0007073	.0358011	.0001344	.0002041	.0407672	.000980	.0001120
%RSD	79.47603	527.8833	18.23414	43.35932	54.71019	22.21375	21.62444
#1	.0008040	-.028192	.0008675	.0006817	.0383650	-.003782	.0003929
#2	.0016363	.043356	.0007446	.0002744	.1187020	-.003909	.0005521
#3	.0002296	.005182	.0005990	.0004558	.0664773	-.005539	.0006091
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1211541	.0111880	.0046631	.0075435	-.002549	.0050582	-.000609
Stddev	.0587972	.0012021	.0002973	.0001005	.004445	.0053659	.001125
%RSD	48.53093	10.74468	6.375199	1.331854	174.3927	106.0838	184.6382
#1	.1890302	.0124682	.0048487	.0076038	.001634	-.001020	-.001908
#2	.0885355	.0110128	.0048205	.0074275	-.007216	.007055	.000064
#3	.0858967	.0100831	.0043203	.0075992	-.002064	.009139	.000016

Sample Name: CCB02 Acquired: 10/23/2025 15:08:23 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0052134	.0052633	-.000046
Stddev	.0042584	.0007254	.000099
%RSD	81.68162	13.78135	212.9589
#1	.0003289	.0056493	-.000027
#2	.0071656	.0057140	-.000153
#3	.0081455	.0044265	.000041

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6876.485	97815.08	6177.903	5323.238	8327.208
Stddev	7.522	456.40	47.861	22.464	13.559
%RSD	.1093917	.4665936	.7747203	.4219915	.1628326
#1	6870.291	98322.64	6230.556	5349.118	8314.280
#2	6884.856	97684.15	6137.035	5308.786	8341.321
#3	6874.309	97438.46	6166.119	5311.810	8326.024

Sample Name: Q3398-01DL3X25 Acquired: 10/23/2025 15:12:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0158412	.2985259	.0049047	-.004222	.0649850	-.111519
Stddev	.0007715	.0037276	.0010718	.000596	.0014998	.018811
%RSD	4.870073	1.248683	21.85276	14.11370	2.307887	16.86813
#1	.0150168	.2988109	.0039736	-.003561	.0632674	-.129503
#2	.0159609	.3021029	.0046642	-.004718	.0660357	-.113077
#3	.0165458	.2946640	.0060763	-.004388	.0656518	-.091978
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010480	-.008613	-.002173	.1071602	.1445288	-.015039
Stddev	.0019163	.000165	.000017	.0057151	.0003834	.000078
%RSD	182.8448	1.919618	.7880455	5.333207	.2652901	.5179277
#1	.0025731	-.008428	-.002190	.1094269	.1441039	-.014970
#2	-.001103	-.008661	-.002173	.1006595	.1448489	-.015025
#3	.001674	-.008748	-.002155	.1113943	.1446337	-.015123
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0180461	.2024240	.0001982	-.473954	.0039483	-.002043
Stddev	.0005502	.0099377	.0001341	.020982	.0002170	.000601
%RSD	3.048810	4.909344	67.64944	4.426988	5.495165	29.42681
#1	.0185953	.2068104	.0001346	-.479038	.0041847	-.001360
#2	.0180479	.2094138	.0003522	-.450898	.0037583	-.002276
#3	.0174950	.1910478	.0001077	-.491927	.0039019	-.002493
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.29089	-.255821	-.006867	1.094984	1.271038	F 33.57830
Stddev	.20258	.000882	.000129	.015633	.004936	.08126
%RSD	.4109874	.3448163	1.871889	1.427661	.3883373	.2419963
#1	49.17636	-.255685	-.006979	1.080831	1.265342	33.62985
#2	49.52479	-.256763	-.006727	1.111763	1.274042	33.62043
#3	49.17152	-.255015	-.006895	1.092356	1.273731	33.48463

Sample Name: Q3398-01DL3X25 Acquired: 10/23/2025 15:12:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004466	.0037309	.1728456	.0129147	1.476582	.0013804
Stddev	.000650	.0001203	.0171158	.0005180	.004914	.0008875
%RSD	14.55172	3.225206	9.902339	4.011156	.3328261	64.29203
#1	-.004799	.0038064	.1533687	.0130544	1.471437	.0018983
#2	-.004883	.0035921	.1796799	.0123412	1.481227	.0003556
#3	-.003717	.0037941	.1854884	.0133486	1.477084	.0018873
Elem	Sr4077					
Units	ppm					
Avg	.0002740					
Stddev	.0001233					
%RSD	44.99931					
#1	.0003840					
#2	.0002971					
#3	.0001407					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	6501.635	94163.12	6183.559	4989.668	7280.306	
Stddev	15.599	418.32	36.843	24.107	18.678	
%RSD	.2399169	.4442465	.5958274	.4831299	.2565594	
#1	6486.286	94371.29	6213.655	5011.024	7260.530	
#2	6501.148	94436.51	6194.550	4994.451	7282.742	
#3	6517.472	93681.56	6142.470	4963.528	7297.647	

Sample Name: Q3368-06 Acquired: 10/23/2025 15:17:09 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002590	-.001853	.0050891	.0025435	.0044117	.0745823	.1162188
Stddev	.002692	.002416	.0001340	.0028869	.0007552	.0117792	.0012947
%RSD	103.9565	130.4047	2.633109	113.4989	17.11788	15.79356	1.113984
#1	-.004838	-.004626	.0052326	.0058698	.0037895	.0788293	.1149856
#2	.000394	-.000721	.0049672	.0006897	.0041936	.0836490	.1161037
#3	-.003326	-.000210	.0050676	.0010712	.0052519	.0612685	.1175672
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000119	.0011599	67.35461	.0014127	.0020710	.0078925	.0635181
Stddev	.000050	.0000556	.29100	.0003632	.0000860	.0001496	.0075195
%RSD	41.89511	4.793826	.4320393	25.70942	4.151526	1.895119	11.83844
#1	-.000165	.0011121	67.17183	.0013451	.0021164	.0079939	.0591823
#2	-.000127	.0011467	67.20182	.0018050	.0019718	.0077207	.0722009
#3	-.000066	.0012209	67.69018	.0010881	.0021247	.0079628	.0591710
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2146865	6.957057	.0099714	.0005544	228.4386	-.005472	.5486735
Stddev	.0010549	.026326	.0003194	.0005843	1.4509	.001051	.0017858
%RSD	.4913594	.3784017	3.203561	105.3809	.6351206	19.21663	.3254701
#1	.2147414	6.929708	.0096081	-.000120	226.9057	-.004881	.5490445
#2	.2136053	6.959239	.0100979	.000905	228.6197	-.006686	.5467314
#3	.2157129	6.982223	.0102082	.000879	229.7904	-.004849	.5502446
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.715213	.0224260	.0319856	-.021595	-.003587	1.516530	.0617029
Stddev	.041075	.0006372	.0073787	.000563	.001952	.025810	.0017088
%RSD	1.512754	2.841152	23.06885	2.606077	54.43289	1.701910	2.769349
#1	2.749725	.0225747	.0398118	-.021304	-.005759	1.488929	.0618722
#2	2.669783	.0217277	.0309892	-.022244	-.003024	1.520594	.0599158
#3	2.726131	.0229757	.0251557	-.021238	-.001977	1.540067	.0633207

Sample Name: Q3368-06 Acquired: 10/23/2025 15:17:09 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.599809	-.018439	.2633375
Stddev	.005128	.001497	.0014298
%RSD	.1972414	8.117769	.5429454

#1	2.605728	-.018538	.2626471
#2	2.596957	-.016896	.2623839
#3	2.596740	-.019885	.2649814

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6312.652	89596.24	6058.028	4832.419	6878.521
Stddev	5.603	511.92	42.857	5.353	10.241
%RSD	.0887544	.5713676	.7074495	.1107719	.1488783

#1	6315.126	90002.29	6061.522	4829.011	6884.947
#2	6316.592	89765.24	6099.032	4838.589	6883.903
#3	6306.238	89021.18	6013.531	4829.658	6866.711

Sample Name: Q3368-07 Acquired: 10/23/2025 15:21:21 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001178	-.003660	.0116390	.0023279	.0037249	.3371772	.1261174
Stddev	.001105	.000641	.0012978	.0027360	.0024535	.0018258	.0016061
%RSD	93.82107	17.51877	11.15086	117.5312	65.86613	.5415005	1.273500

#1	-.001288	-.003125	.0117468	.0054498	.0063915	.3370473	.1279191
#2	-.002224	-.004371	.0128795	.0011871	.0015630	.3390645	.1248358
#3	-.000022	-.003483	.0102906	.0003469	.0032203	.3354198	.1255973

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000007	.0007047	10.94286	.0018227	.0036785	.0101390	5.289501
Stddev	.000034	.0001174	.09822	.0002733	.0002018	.0004118	.056657
%RSD	497.8418	16.65633	.8975451	14.99192	5.487139	4.061897	1.071118

#1	-.000003	.0006517	10.97227	.0015873	.0038662	.0097171	5.350664
#2	-.000043	.0006232	10.83330	.0017584	.0034650	.0105400	5.279027
#3	.000025	.0008392	11.02301	.0021223	.0037043	.0101599	5.238812

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1726557	.8317993	.0237443	.0003054	277.5569	-.002229	1.160060
Stddev	.0015154	.0350447	.0002254	.0007555	1.8075	.001208	.001727
%RSD	.8776846	4.213117	.9493939	247.3633	.6512011	54.20065	.1488358

#1	.1731509	.7914672	.0236727	-.000565	279.3132	-.001620	1.158634
#2	.1709547	.8491155	.0235633	.000786	275.7023	-.001447	1.159566
#3	.1738616	.8548152	.0239968	.000696	277.6551	-.003621	1.161980

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1296409	.0224828	.0250964	-.018732	.0018941	.9445027	1.253991
Stddev	.0156877	.0007994	.0016985	.000454	.0025921	.0179865	.004713
%RSD	12.10084	3.555485	6.767704	2.421419	136.8521	1.904333	.3758407

#1	.1232579	.0232902	.0270296	-.019069	.0014076	.9633569	1.252156
#2	.1181510	.0216917	.0244163	-.018910	.0046951	.9426190	1.250471
#3	.1475139	.0224665	.0238435	-.018216	-.000420	.9275322	1.259346

Sample Name: Q3368-07 Acquired: 10/23/2025 15:21:21 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7185406	-.007796	.0780276
Stddev	.0037866	.002573	.0005745
%RSD	.5269854	33.00693	.7362754
#1	.7164009	-.006083	.0781841
#2	.7163082	-.010755	.0773910
#3	.7229127	-.006550	.0785076

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6567.157	93674.96	6226.113	5171.715	7202.839
Stddev	4.863	123.68	86.920	20.871	4.080
%RSD	.0740430	.1320293	1.396053	.4035555	.0566414
#1	6561.558	93665.90	6305.631	5185.340	7207.256
#2	6570.323	93556.05	6239.389	5147.687	7199.211
#3	6569.588	93802.91	6133.319	5182.117	7202.051

Sample Name: Q3397-04 Acquired: 10/23/2025 15:25:40 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000503	-.001872	.0031409	.0038222	.0016885	.0327305	.1773609
Stddev	.000508	.001327	.0001556	.0016440	.0011091	.0150004	.0022213
%RSD	100.9222	70.87672	4.953805	43.01226	65.68441	45.83017	1.252425
#1	-.001031	-.003340	.0031089	.0043885	.0010598	.0213405	.1753104
#2	-.000461	-.000759	.0030037	.0019699	.0029691	.0271245	.1770517
#3	-.000018	-.001516	.0033099	.0051082	.0010367	.0497265	.1797207
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000065	-.000001	9.063572	.0011233	-.000224	.0039085	.0316521
Stddev	.000053	.000039	.028520	.0001203	.000106	.0002172	.0073981
%RSD	81.63200	3053.339	.3146631	10.71263	47.45786	5.557919	23.37308
#1	-.000005	.000033	9.037348	.0011365	-.000111	.0037277	.0236032
#2	-.000084	.000008	9.059434	.0009969	-.000322	.0038483	.0381551
#3	-.000107	-.000044	9.093935	.0012365	-.000239	.0041495	.0331980
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0580103	2.171646	.0025916	.0004109	251.9794	-.005990	.0318618
Stddev	.0009671	.038385	.0001800	.0009018	1.7009	.000934	.0000438
%RSD	1.667211	1.767546	6.945444	219.4858	.6750002	15.59636	.1375189
#1	.0569203	2.130517	.0027330	.0013366	250.7224	-.005698	.0319091
#2	.0583451	2.177905	.0023890	-.000465	251.3011	-.005238	.0318227
#3	.0587657	2.206517	.0026528	.000361	253.9148	-.007036	.0318534
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7790656	.0067677	.0008823	-.020243	-.000521	.4154431	.0251953
Stddev	.0202422	.0007799	.0000887	.000747	.001660	.0059653	.0012745
%RSD	2.598263	11.52361	10.05777	3.688727	318.4336	1.435889	5.058687
#1	.8002482	.0076496	.0009346	-.020289	-.001290	.4222271	.0266666
#2	.7770311	.0061688	.0009323	-.019474	.001384	.4110177	.0244912
#3	.7599175	.0064847	.0007798	-.020965	-.001657	.4130846	.0244281

Sample Name: Q3397-04 Acquired: 10/23/2025 15:25:40 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5272751	-.010381	.0392703
Stddev	.0014861	.002179	.0000470
%RSD	.2818476	20.99545	.1195786
#1	.5289161	-.011541	.0392648
#2	.5260200	-.007867	.0392263
#3	.5268893	-.011735	.0393197

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6809.994	96322.75	6273.198	5367.277	7437.396
Stddev	19.310	340.60	36.232	22.349	21.153
%RSD	.2835511	.3536017	.5775694	.4163898	.2844149
#1	6791.661	95935.17	6285.437	5343.839	7414.031
#2	6830.151	96574.36	6232.431	5388.349	7455.243
#3	6808.170	96458.72	6301.725	5369.643	7442.915

Sample Name: Q3399-02 Acquired: 10/23/2025 15:30:05 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005867	.0004697	.0021999	.0015119	.0022601	.2652843	.0725139
Stddev	.0025142	.0012277	.0011183	.0008619	.0011183	.0046442	.0005088
%RSD	428.5438	261.3948	50.83185	57.00402	49.48111	1.750647	.7017178

#1	.0034296	.0017572	.0011741	.0024207	.0026603	.2701674	.0719264
#2	-.001344	.0003397	.0020337	.0007062	.0009968	.2647623	.0727988
#3	-.000325	-.000688	.0033920	.0014090	.0031233	.2609231	.0728165

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000104	-.000008	2.474390	.0009068	.0012775	.0033972	.2720526
Stddev	.000039	.000042	.005141	.0002335	.0000113	.0003668	.0017546
%RSD	37.10551	550.7572	.2077829	25.74754	.8834459	10.79635	.6449462

#1	-.000121	-.000055	2.477703	.0009487	.0012771	.0033723	.2739406
#2	-.000131	.000025	2.476999	.0011164	.0012890	.0037758	.2704721
#3	-.000060	.000007	2.468467	.0006552	.0012665	.0030435	.2717452

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1596945	.2491748	.0010219	.0002017	233.0437	-.000797	.0302838
Stddev	.0001986	.0487307	.0002097	.0001744	2.3597	.002415	.0002281
%RSD	.1243818	19.55684	20.51775	86.47295	1.012551	303.1132	.7533668

#1	.1596674	.2647844	.0011720	.0002218	235.7681	.001336	.0300356
#2	.1595108	.1945518	.0007823	.0003652	231.6463	-.003418	.0304844
#3	.1599053	.2881881	.0011113	.0000181	231.7166	-.000307	.0303313

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3414735	.0032720	.0005275	-.020131	-.000097	.4727613	.0198172
Stddev	.0293668	.0004790	.0001190	.000790	.001677	.0211683	.0010713
%RSD	8.600012	14.63798	22.56206	3.926011	1732.809	4.477597	5.405722

#1	.3085589	.0030160	.0003923	-.020544	-.000916	.4769965	.0206403
#2	.3649933	.0029755	.0006166	-.019220	-.001206	.4497955	.0186060
#3	.3508681	.0038246	.0005736	-.020630	.001832	.4914918	.0202053

Sample Name: Q3399-02 Acquired: 10/23/2025 15:30:05 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2528223	-.009672	.0169576
Stddev	.0015959	.000924	.0000842
%RSD	.6312400	9.552951	.4965537
#1	.2525658	-.009401	.0169646
#2	.2545309	-.008914	.0168701
#3	.2513701	-.010701	.0170381

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7066.185	99220.06	6549.767	5465.743	7780.623
Stddev	7.808	356.16	26.461	16.208	4.011
%RSD	.1104973	.3589572	.4039926	.2965431	.0515570
#1	7074.777	99355.99	6520.846	5483.649	7781.842
#2	7059.523	98815.95	6555.693	5461.506	7776.144
#3	7064.254	99488.23	6572.762	5452.074	7783.884

Sample Name: Q3402-03 Acquired: 10/23/2025 15:34:29 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051261	.0006023	.0072180	.0027309	.0018322	.1090629	.1548157
Stddev	.0013827	.0013665	.0002670	.0013190	.0009274	.0056203	.0006952
%RSD	26.97315	226.8818	3.699280	48.29694	50.61674	5.153222	.4490406

#1	.0062470	-.000976	.0073231	.0041556	.0021003	.1114874	.1547426
#2	.0035810	.001387	.0069144	.0024849	.0025961	.1026374	.1555445
#3	.0055504	.001396	.0074164	.0015524	.0008003	.1130640	.1541599

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000168	.0001055	41.45977	.0014068	.0055665	.0060195	.0697513
Stddev	.000009	.0000488	.12975	.0001878	.0001068	.0004390	.0052284
%RSD	5.057550	46.23688	.3129632	13.34779	1.917870	7.292222	7.495780

#1	-.000162	.0000534	41.48606	.0013613	.0056863	.0063522	.0739888
#2	-.000165	.0001500	41.57436	.0012460	.0054814	.0061843	.0639084
#3	-.000178	.0001130	41.31888	.0016132	.0055316	.0055220	.0713567

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.509604	7.604814	.0037014	-.000035	332.2755	-.001597	.0594079
Stddev	.005307	.070684	.0001695	.000478	3.3633	.002826	.0003724
%RSD	.3515392	.9294621	4.580394	1355.976	1.012209	176.9709	.6267992

#1	1.509830	7.545827	.0038971	.000096	329.9749	.001521	.0591435
#2	1.514794	7.683161	.0036055	-.000565	330.7161	-.003989	.0592465
#3	1.504187	7.585455	.0036015	.000364	336.1355	-.002322	.0598338

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.921557	.0296777	.0009227	-.017885	-.002326	1.450693	.0179315
Stddev	.039231	.0014160	.0001865	.000311	.002743	.026029	.0001449
%RSD	2.041645	4.771212	20.21709	1.736382	117.9423	1.794259	.8081879

#1	1.879785	.0281195	.0009103	-.017982	-.000054	1.420643	.0180035
#2	1.957623	.0300280	.0011151	-.018135	-.005373	1.466226	.0180263
#3	1.927262	.0308857	.0007426	-.017537	-.001550	1.465211	.0177647

Sample Name: Q3402-03 Acquired: 10/23/2025 15:34:29 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.641884	-.013477	.1965994
Stddev	.007002	.001605	.0007599
%RSD	.4264588	11.91143	.3865175
#1	1.649598	-.015249	.1968761
#2	1.635931	-.012119	.1971822
#3	1.640123	-.013064	.1957400

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6548.355	93624.11	6275.517	5073.293	7060.361
Stddev	16.110	686.80	33.761	39.253	13.410
%RSD	.2460117	.7335704	.5379796	.7737122	.1899381
#1	6551.616	94388.59	6237.254	5114.481	7064.457
#2	6530.864	93424.56	6301.111	5069.083	7045.380
#3	6562.584	93059.18	6288.185	5036.315	7071.246

Sample Name: Q3402-06 Acquired: 10/23/2025 15:38:49 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027832	-.002602	.0031069	.0048697	.0030785	.0724717	.1162625
Stddev	.0008071	.001132	.0007604	.0027036	.0012205	.0123197	.0004258
%RSD	29.00114	43.52943	24.47626	55.51760	39.64473	16.99938	.3662323
#1	.0028685	-.002867	.0029351	.0078538	.0019151	.0768823	.1159306
#2	.0019367	-.003578	.0024470	.0041718	.0029715	.0819791	.1167426
#3	.0035443	-.001360	.0039385	.0025836	.0043489	.0585538	.1161144
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000115	-.000053	27.38953	.0011617	.0011161	.0050606	.0208895
Stddev	.000043	.000040	.06567	.0002341	.0001153	.0003606	.0056364
%RSD	37.11892	76.78290	.2397630	20.14924	10.33239	7.125406	26.98184
#1	-.000141	-.000044	27.33698	.0014313	.0012483	.0051069	.0207258
#2	-.000138	-.000097	27.36846	.0010439	.0010639	.0046792	.0153367
#3	-.000066	-.000017	27.46315	.0010100	.0010361	.0053959	.0266059
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9810042	5.982486	.0011911	-.000051	300.9118	-.002068	.0538978
Stddev	.0023250	.046930	.0003302	.000072	4.1705	.003850	.0000703
%RSD	.2370045	.7844561	27.71934	141.3931	1.385959	186.2136	.1303700
#1	.9785461	5.935982	.0011461	-.000130	305.6277	.002136	.0538208
#2	.9812981	5.981646	.0008858	.000011	297.7091	-.005422	.0539143
#3	.9831682	6.029830	.0015415	-.000034	299.3987	-.002917	.0539584
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.756076	.0227618	.0010374	-.020974	-.003021	1.182878	.0673110
Stddev	.021872	.0007037	.0000252	.000271	.002562	.008170	.0016431
%RSD	1.245511	3.091516	2.427325	1.290915	84.80800	.6906912	2.441123
#1	1.740940	.0230104	.0010636	-.021243	-.000128	1.176959	.0659587
#2	1.781153	.0219675	.0010352	-.020977	-.005004	1.192200	.0691397
#3	1.746136	.0233073	.0010134	-.020701	-.003930	1.179476	.0668346

Sample Name: Q3402-06 Acquired: 10/23/2025 15:38:49 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.443860	-.011640	.1717582
Stddev	.002892	.002105	.0003320
%RSD	.2003138	18.08634	.1933102

#1	1.446730	-.012947	.1714289
#2	1.440945	-.009211	.1717529
#3	1.443904	-.012760	.1720929

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6768.680	96054.69	6404.695	5277.619	7313.246
Stddev	6.808	371.58	39.284	17.643	13.392
%RSD	.1005858	.3868396	.6133611	.3342927	.1831256

#1	6760.892	95775.62	6409.039	5282.664	7299.391
#2	6771.645	96476.47	6441.626	5258.003	7314.224
#3	6773.503	95911.99	6363.419	5292.189	7326.122

Sample Name: Q3402-09 Acquired: 10/23/2025 15:43:09 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0286143	-.000562	.0077178	.0044425	-.000664	.1354324	.1326410
Stddev	.0006901	.000891	.0009935	.0032288	.002554	.0097603	.0012949
%RSD	2.411601	158.6805	12.87221	72.67997	384.8193	7.206775	.9762716
#1	.0278604	-.000477	.0068556	.0049552	-.000837	.1467024	.1339590
#2	.0292147	-.001493	.0088042	.0009880	.001973	.1297379	.1325937
#3	.0287677	.000284	.0074937	.0073842	-.003127	.1298569	.1313704
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000288	.0000779	6.723417	.0018808	.0048966	.0041838	.4831634
Stddev	.000042	.0000397	.010821	.0002846	.0001829	.0001285	.0127659
%RSD	14.69468	50.92147	.1609486	15.13396	3.735422	3.071370	2.642145
#1	-.000331	.0001084	6.711154	.0021881	.0047796	.0040408	.4695027
#2	-.000288	.0000330	6.731625	.0018280	.0051074	.0042896	.4851971
#3	-.000246	.0000924	6.727471	.0016263	.0048029	.0042208	.4947903
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.714214	5.541856	.0093040	.0000210	254.7060	-.003924	.0662697
Stddev	.016237	.070461	.0000645	.0003631	2.6757	.002117	.0006228
%RSD	.5982061	1.271431	.6930053	1733.494	1.050504	53.94141	.9398758
#1	2.695985	5.623190	.0092911	.0000007	256.7796	-.003575	.0662462
#2	2.719531	5.502997	.0092470	.0003938	251.6856	-.006194	.0656589
#3	2.727125	5.499380	.0093740	-.000332	255.6528	-.002004	.0669039
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.411063	.0226832	.0007203	-.020540	-.000780	.9648072	.0172082
Stddev	.045412	.0011483	.0002017	.000289	.001799	.0283303	.0008393
%RSD	1.883471	5.062220	28.00408	1.404725	230.7003	2.936372	4.877052
#1	2.359243	.0220533	.0007837	-.020873	.000152	.9556999	.0180366
#2	2.430032	.0240085	.0008827	-.020363	-.002853	.9421506	.0163585
#3	2.443916	.0219877	.0004945	-.020384	.000362	.9965712	.0172295

Sample Name: Q3402-09 Acquired: 10/23/2025 15:43:09 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6382326	-.007008	.0873668
Stddev	.0020850	.001854	.0005522
%RSD	.3266893	26.45522	.6320493

#1	.6364945	-.004886	.0869281
#2	.6405444	-.008314	.0871854
#3	.6376588	-.007824	.0879869

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6649.744	94830.44	6106.719	5337.440	7236.743
Stddev	7.692	489.70	54.092	27.112	12.258
%RSD	.1156750	.5163916	.8857760	.5079600	.1693788

#1	6655.553	95030.91	6115.522	5357.093	7243.640
#2	6641.020	95188.09	6048.765	5348.718	7222.591
#3	6652.659	94272.31	6155.869	5306.509	7243.999

Sample Name: Q3402-12 Acquired: 10/23/2025 15:47:29 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0245151	-.000220	.0064723	.0039261	.0036564	.6196252	.1393000
Stddev	.0009103	.001330	.0007475	.0025271	.0007893	.0124703	.0017482
%RSD	3.713014	604.2874	11.54993	64.36818	21.58640	2.012549	1.255018

#1	.0240699	-.001742	.0070466	.0061111	.0038385	.6203088	.1411678
#2	.0239132	.000362	.0056270	.0011585	.0043388	.6317397	.1390293
#3	.0255623	.000719	.0067433	.0045085	.0027920	.6068273	.1377029

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000192	-.000080	7.723846	.0022032	.0020438	.0085341	.4534397
Stddev	.000021	.000053	.003742	.0000967	.0001651	.0001361	.0023973
%RSD	11.03581	65.92190	.0484497	4.386607	8.077494	1.594629	.5286815

#1	-.000168	-.000140	7.720598	.0023079	.0019057	.0086801	.4561789
#2	-.000199	-.000061	7.727938	.0021173	.0022267	.0084108	.4517247
#3	-.000209	-.000039	7.723001	.0021845	.0019991	.0085115	.4524155

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9092865	8.089004	.0021488	-.000144	359.8551	-.000137	.0671624
Stddev	.0009090	.058097	.0002280	.000279	1.8390	.001966	.0001011
%RSD	.0999646	.7182197	10.60878	194.0121	.5110293	1429.835	.1505971

#1	.9102636	8.070560	.0019672	-.000139	360.8388	-.000806	.0670795
#2	.9091299	8.154084	.0024047	-.000426	357.7335	.002075	.0672751
#3	.9084660	8.042367	.0020746	.000133	360.9929	-.001682	.0671325

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.192033	.0572208	.0008743	-.018496	.0069298	1.384267	.1136819
Stddev	.008965	.0008821	.0001868	.001317	.0011849	.018527	.0001524
%RSD	.2808417	1.541602	21.35979	7.122079	17.09913	1.338378	.1340843

#1	3.181752	.0562595	.0006587	-.019500	.0058885	1.397280	.1138033
#2	3.196130	.0579930	.0009853	-.017004	.0066817	1.363055	.1135108
#3	3.198218	.0574100	.0009791	-.018983	.0082191	1.392465	.1137316

Sample Name: Q3402-12 Acquired: 10/23/2025 15:47:29 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.8237998	-.008199	.0925096
Stddev	.0036607	.000836	.0001129
%RSD	.4443691	10.19320	.1220085

#1	.8197298	-.008872	.0924009
#2	.8248467	-.007263	.0926262
#3	.8268231	-.008462	.0925017

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6609.729	93880.12	6086.919	5333.031	7112.646
Stddev	7.052	376.98	30.359	19.736	11.408
%RSD	.1066840	.4015500	.4987662	.3700778	.1603914

#1	6610.737	93446.97	6099.546	5327.239	7109.810
#2	6602.227	94134.02	6052.283	5355.015	7102.924
#3	6616.222	94059.38	6108.927	5316.838	7125.205

Sample Name: Q3403-04 Acquired: 10/23/2025 15:51:47 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001219	.0001629	.0027985	.0038456	.0011016	.1617615	.2170027
Stddev	.0015155	.0014411	.0008098	.0016851	.0017737	.0165703	.0005984
%RSD	1243.050	884.4384	28.93608	43.81774	161.0182	10.24367	.2757433
#1	-.000174	-.001253	.0031235	.0023183	.0027809	.1607183	.2171682
#2	-.001223	.000113	.0033953	.0035653	.0012774	.1788288	.2175008
#3	.001764	.001628	.0018767	.0056533	-.000754	.1457375	.2163389
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000327	-.000113	6.374759	.0015646	.0058933	.0050902	2.641858
Stddev	.0000558	.000013	.020129	.0002629	.0001113	.0004143	.002147
%RSD	170.8663	11.33952	.3157661	16.80442	1.888179	8.139164	.0812541
#1	.0000533	-.000114	6.351516	.0016010	.0057651	.0054800	2.644073
#2	-.000031	-.000100	6.386280	.0018074	.0059500	.0046551	2.641713
#3	.000075	-.000126	6.386481	.0012854	.0059648	.0051354	2.639787
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.817680	1.111873	.0025068	-.000230	286.2345	-.004032	.0369502
Stddev	.008662	.040326	.0002843	.000039	4.6449	.001696	.0002505
%RSD	.4765584	3.626837	11.34212	17.09935	1.622745	42.07984	.6779956
#1	1.822143	1.072515	.0022367	-.000206	291.3757	-.004473	.0372152
#2	1.823202	1.153101	.0024803	-.000209	282.3407	-.005464	.0367173
#3	1.807697	1.110004	.0028034	-.000275	284.9871	-.002158	.0369182
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3273396	.0054159	.0006396	-.020597	.0011288	.4171083	.0086845
Stddev	.0456777	.0004790	.0001667	.000472	.0006603	.0216421	.0020047
%RSD	13.95421	8.843670	26.05610	2.293841	58.49540	5.188608	23.08385
#1	.2929005	.0053947	.0004474	-.020073	.0008021	.4366655	.0069654
#2	.3791556	.0059051	.0007424	-.020989	.0018887	.3938568	.0082016
#3	.3099628	.0049479	.0007292	-.020730	.0006955	.4208025	.0108866

Sample Name: Q3403-04 Acquired: 10/23/2025 15:51:47 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1400827	-.010042	.0209514
Stddev	.0031345	.001243	.0001559
%RSD	2.237640	12.37733	.7440817

#1	.1380969	-.009506	.0208301
#2	.1384550	-.009157	.0211272
#3	.1436963	-.011463	.0208969

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6413.241	87867.42	5831.753	4877.533	6953.037
Stddev	21.134	297.81	33.029	20.071	24.987
%RSD	.3295364	.3389271	.5663586	.4115036	.3593695

#1	6393.046	87768.67	5833.935	4854.951	6929.071
#2	6411.474	87631.53	5797.687	4884.308	6951.106
#3	6435.203	88202.06	5863.636	4893.340	6978.933

Sample Name: CCV03 Acquired: 10/23/2025 15:56:09 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	4.957787	4.719896	5.016826	4.957112	4.844610	9.766885	9.593590
Stddev	.018037	.049664	.006016	.020035	.019025	.035769	.041679
%RSD	.3638205	1.052234	.1199109	.4041642	.3927119	.3662245	.4344426
#1	4.974838	4.687738	5.023659	4.980211	4.863958	9.796170	9.626232
#2	4.938903	4.777096	5.014491	4.944456	4.825925	9.777464	9.607896
#3	4.959618	4.694855	5.012328	4.946669	4.843947	9.727020	9.546643
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2651287	2.520801	24.46848	1.026732	2.473524	1.239729	4.679391
Stddev	.0031221	.004839	.09752	.004093	.004272	.003675	.039641
%RSD	1.177585	.1919503	.3985527	.3986478	.1726942	.2964496	.8471351
#1	.2665396	2.526388	24.57564	1.027117	2.478455	1.243786	4.684635
#2	.2672963	2.518063	24.38492	1.022460	2.470978	1.236622	4.637390
#3	.2615501	2.517952	24.44489	1.030619	2.471137	1.238778	4.716150
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.418623	24.79372	2.486888	1.234644	25.05129	2.429244	2.482177
Stddev	.010539	.09551	.004264	.001249	.18442	.011561	.008845
%RSD	.4357618	.3852138	.1714717	.1011959	.7361879	.4759148	.3563470
#1	2.429127	24.88660	2.491811	1.236035	25.21210	2.442186	2.485181
#2	2.418694	24.69578	2.484362	1.233617	24.84998	2.425607	2.472221
#3	2.408049	24.79877	2.484490	1.234280	25.09180	2.419938	2.489129
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.84871	5.187746	4.929719	5.024115	4.818090	4.648759	5.052844
Stddev	.18092	.066039	.019578	.010446	.013745	.049126	.004203
%RSD	.7280845	1.272973	.3971478	.2079194	.2852815	1.056749	.0831779
#1	24.79753	5.220712	4.951854	5.036173	4.833726	4.634732	5.054802
#2	24.69889	5.230812	4.914670	5.018336	4.807915	4.608172	5.048020
#3	25.04970	5.111714	4.922633	5.017835	4.812628	4.703372	5.055711

Sample Name: CCV03 Acquired: 10/23/2025 15:56:09 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.884290	4.726504	4.801404
Stddev	.018736	.016482	.070633
%RSD	.3836055	.3487245	1.471084

#1	4.903030	4.741324	4.860032
#2	4.865558	4.729436	4.821192
#3	4.884282	4.708752	4.722988

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6811.342	96084.61	6047.304	5278.993	7349.603
Stddev	3.541	487.69	46.720	46.837	10.056
%RSD	.0519797	.5075641	.7725769	.8872387	.1368301

#1	6814.928	96095.88	6021.387	5277.067	7360.362
#2	6811.249	96566.56	6019.287	5326.764	7340.440
#3	6807.849	95591.38	6101.238	5233.149	7348.008

Sample Name: CCB03 Acquired: 10/23/2025 16:11:18 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001954	-.000809	.0005416	.0011064	-.000309	-.013896	-.003042
Stddev	.0009287	.001853	.0010996	.0035023	.001520	.013911	.001126
%RSD	475.2246	229.1259	203.0254	316.5344	492.4124	100.1090	37.02406
#1	.0011083	-.002866	.0008095	-.002675	.000524	-.013866	-.001844
#2	-.000748	-.000291	.0014825	.004239	.000613	.000000	-.004079
#3	.000226	.000730	-.000667	.001754	-.002063	-.027821	-.003202
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000035	-.000025	-.013773	-.000014	.0000140	-.000189	-.008578
Stddev	.000092	.000061	.011264	.000213	.0000851	.000228	.008362
%RSD	261.6660	242.9408	81.78585	1525.417	608.6455	120.6247	97.48306
#1	.000068	.000044	-.017239	.000150	-.000067	.000074	-.018066
#2	-.000109	-.000072	-.001183	-.000255	.000103	-.000324	-.002280
#3	-.000066	-.000048	-.022896	.000063	.000006	-.000317	-.005389
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004143	-.022099	-.000265	.0002544	.1633872	-.005098	-.000447
Stddev	.0005310	.024220	.000229	.0000527	.0060406	.002348	.000266
%RSD	128.1673	109.5994	86.36133	20.70580	3.697132	46.05404	59.64902
#1	.0000225	-.035944	-.000118	.0002230	.1631481	-.003739	-.000165
#2	.0010187	.005868	-.000149	.0003152	.1574697	-.007809	-.000695
#3	.0002018	-.036220	-.000529	.0002251	.1695439	-.003746	-.000479
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2536985	-.007680	.0000472	-.006897	-.002132	.0167167	-.002924
Stddev	.0576519	.000803	.0002317	.000323	.001172	.0140841	.000872
%RSD	22.72459	10.45379	490.4725	4.680633	54.98836	84.25158	29.81338
#1	.1874734	-.008253	.0002362	-.006556	-.000830	.0161283	-.002266
#2	.2809438	-.006762	.0001167	-.007198	-.002463	.0029360	-.002594
#3	.2926783	-.008024	-.000211	-.006937	-.003103	.0310858	-.003913

Sample Name: CCB03 Acquired: 10/23/2025 16:11:18 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002025	.0033722	-.000045
Stddev	.001577	.0025270	.000035
%RSD	77.91013	74.93638	77.30308
#1	-.000480	.0061588	-.000008
#2	-.001962	.0012292	-.000077
#3	-.003633	.0027286	-.000051

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7317.841	104766.3	6344.163	5725.788	8870.612
Stddev	26.265	157.9	68.494	8.791	25.132
%RSD	.3589159	.1507283	1.079634	.1535404	.2833219
#1	7292.023	104756.2	6277.595	5735.142	8854.669
#2	7316.969	104929.1	6340.463	5724.528	8857.584
#3	7344.531	104613.7	6414.432	5717.695	8899.584

Sample Name: Q3404-02 Acquired: 10/23/2025 16:15:32 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000746	-.000025	.0006147	.0033078	.0007852	.2332339	.1565735
Stddev	.002942	.001417	.0007676	.0031214	.0015717	.0134283	.0038015
%RSD	394.1996	5643.426	124.8715	94.36507	200.1691	5.757444	2.427912

#1	-.002723	-.001344	.0000180	-.000278	.0009411	.2487114	.1522502
#2	-.002151	.001474	.0003455	.004787	-.000859	.2263046	.1580773
#3	.002635	-.000205	.0014807	.005414	.002273	.2246857	.1593931

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000005	.0000545	15.19132	.0018498	-.000059	.0006405	.3496821
Stddev	.000037	.0000571	.05923	.0002350	.000035	.0001273	.0115339
%RSD	743.3898	104.8769	.3899241	12.70487	59.50555	19.88085	3.298386

#1	-.000045	.0000513	15.17615	.0016041	-.000034	.0007534	.3416102
#2	.000003	.0001132	15.14115	.0018728	-.000044	.0005025	.3628921
#3	.000027	-.000001	15.25666	.0020725	-.000099	.0006655	.3445440

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103257	2.748207	.0000178	.0002543	298.2515	-.001026	.0719238
Stddev	.0002731	.044568	.0003033	.0007075	4.6234	.003406	.0005561
%RSD	2.644954	1.621726	1702.118	278.2144	1.550181	331.8941	.7731589

#1	.0104284	2.751929	-.000326	.0009422	302.8888	-.003170	.0715932
#2	.0100162	2.701894	.000130	-.000471	293.6420	-.002811	.0725658
#3	.0105326	2.790798	.000249	.000292	298.2238	.002901	.0716124

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5722509	.0244551	.0006221	-.019556	.0052964	.7775376	.0151788
Stddev	.0209732	.0008796	.0002217	.000243	.0019073	.0023483	.0009937
%RSD	3.665034	3.596854	35.64411	1.243038	36.01115	.3020165	6.546864

#1	.5593178	.0234867	.0006001	-.019788	.0032542	.7748508	.0157253
#2	.5964495	.0252045	.0004122	-.019303	.0056035	.7785642	.0157792
#3	.5609853	.0246741	.0008540	-.019577	.0070316	.7791978	.0140317

Sample Name: Q3404-02 Acquired: 10/23/2025 16:15:32 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3094368	-.009349	.1285090
Stddev	.0009558	.000509	.0005973
%RSD	.3088822	5.446241	.4648119
#1	.3098732	-.009839	.1282634
#2	.3100964	-.009383	.1280736
#3	.3083406	-.008823	.1291899

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6772.392	92879.24	6063.997	5160.619	7319.172
Stddev	20.669	321.90	22.639	16.843	24.251
%RSD	.3052009	.3465801	.3733286	.3263713	.3313419
#1	6777.760	92519.40	6089.438	5146.861	7327.869
#2	6749.569	93139.82	6046.074	5155.593	7291.771
#3	6789.849	92978.50	6056.480	5179.402	7337.876

Sample Name: Q3404-06 Acquired: 10/23/2025 16:19:53 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057339	.0053958	.0037665	.0054858	.0028551	.0574566	.1451201
Stddev	.0020105	.0017339	.0007027	.0012471	.0013283	.0075590	.0000297
%RSD	35.06369	32.13368	18.65749	22.73377	46.52257	13.15596	.0204348

#1	.0053161	.0035608	.0030038	.0063663	.0023068	.0641770	.1451437
#2	.0079204	.0070068	.0039080	.0060325	.0018889	.0492730	.1450868
#3	.0039650	.0056198	.0043877	.0040587	.0043698	.0589197	.1451297

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000016	.0013589	19.81675	.0011382	.0013884	.0119791	.1420582
Stddev	.000067	.0000717	.04069	.0002134	.0001789	.0001402	.0034678
%RSD	421.5723	5.278231	.2053490	18.75002	12.88395	1.170414	2.441138

#1	-.000094	.0014357	19.80463	.0011852	.0015913	.0118174	.1439714
#2	.000024	.0013473	19.78349	.0009053	.0012535	.0120676	.1441480
#3	.000022	.0012936	19.86212	.0013243	.0013203	.0120522	.1380552

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1887631	3.564500	.0028681	-.000371	300.0100	-.002796	.2210605
Stddev	.0015867	.026672	.0000679	.000585	4.4201	.002739	.0003446
%RSD	.8405627	.7482539	2.366578	157.7607	1.473325	97.93218	.1558988

#1	.1896650	3.541320	.0028611	-.001026	303.5142	-.002305	.2206690
#2	.1869310	3.593651	.0029392	-.000185	301.4716	-.005747	.2213183
#3	.1896933	3.558529	.0028039	.000099	295.0442	-.000337	.2211941

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.953301	.0408627	.0005154	-.021623	-.000660	2.071171	.0210026
Stddev	.144838	.0017194	.0000676	.000284	.000240	.029634	.0007690
%RSD	1.617710	4.207725	13.11559	1.311817	36.37758	1.430772	3.661330

#1	9.072080	.0401094	.0005927	-.021919	-.000400	2.097461	.0218433
#2	8.791946	.0428301	.0004678	-.021595	-.000874	2.076995	.0203347
#3	8.995875	.0396485	.0004856	-.021354	-.000706	2.039058	.0208299

Sample Name: Q3404-06 Acquired: 10/23/2025 16:19:53 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.223524	-.005419	.1635811
Stddev	.009204	.001651	.0012312
%RSD	.7522686	30.46725	.7526218
#1	1.233503	-.005563	.1634427
#2	1.215367	-.006993	.1624249
#3	1.221702	-.003701	.1648755

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6761.476	94478.15	6147.866	5301.722	7295.990
Stddev	10.196	245.01	61.601	3.312	14.291
%RSD	.1507988	.2593315	1.001989	.0624673	.1958814
#1	6768.187	94195.24	6215.812	5301.498	7309.524
#2	6749.743	94621.62	6095.668	5305.141	7281.046
#3	6766.499	94617.58	6132.118	5298.529	7297.400

Sample Name: Q3416-01 Acquired: 10/23/2025 16:24:12 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0307700	-.004413	.2154016	-.004102	-.013391	71.70672	.3750235
Stddev	.0025028	.001236	.0010037	.004589	.001125	.21676	.0011549
%RSD	8.133883	28.01537	.4659459	111.8653	8.402826	.3022896	.3079483

#1	.0281190	-.003850	.2162191	-.006458	-.013660	71.92504	.3759097
#2	.0330921	-.003558	.2157043	.001186	-.014357	71.49155	.3754433
#3	.0310987	-.005830	.2142815	-.007036	-.012155	71.70358	.3737174

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089472	.0020976	141.5540	.1570566	.0977578	.3189564	194.6864
Stddev	.0001474	.0002553	.2376	.0006318	.0003070	.0033899	1.2044
%RSD	1.647428	12.17275	.1678434	.4022843	.3140217	1.062816	.6186345

#1	.0090282	.0023838	141.8243	.1577825	.0980568	.3227618	193.4420
#2	.0087770	.0018933	141.4593	.1567567	.0977733	.3178478	195.8463
#3	.0090363	.0020157	141.3783	.1566306	.0974434	.3162595	194.7710

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.567493	110.9535	.1924734	-.006909	3.048296	.2763614	.4247386
Stddev	.014139	.2548	.0012793	.000613	.049291	.0030738	.0014692
%RSD	.3963379	.2296391	.6646740	8.879409	1.616986	1.112234	.3458997

#1	3.577322	111.2016	.1938753	-.007507	2.991490	.2793864	.4235267
#2	3.573867	110.9665	.1921756	-.006939	3.079755	.2732411	.4263727
#3	3.551288	110.6925	.1913692	-.006281	3.073642	.2764568	.4243166

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.53031	.4132294	.0051501	.0019096	4.360200	7.020381	2.302468
Stddev	.14583	.0060277	.0003236	.0004643	.010352	.095422	.012379
%RSD	1.384820	1.458673	6.283907	24.31436	.2374280	1.359216	.5376360

#1	10.36652	.4067926	.0051265	.0023101	4.356976	7.116910	2.290865
#2	10.57838	.4187409	.0048389	.0014007	4.351844	6.926106	2.315499
#3	10.64604	.4141548	.0054849	.0020181	4.371781	7.018127	2.301041

Sample Name: Q3416-01 Acquired: 10/23/2025 16:24:12 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	6.960905	.1985652	-.041800
Stddev	.021310	.0020608	.001492
%RSD	.3061340	1.037864	3.570339
#1	6.936609	.1964054	-.040106
#2	6.969679	.2005103	-.042372
#3	6.976427	.1987800	-.042922

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7077.041	99749.79	6341.130	5597.306	6880.762
Stddev	29.406	164.46	60.261	5.091	23.122
%RSD	.4155187	.1648735	.9503118	.0909568	.3360357
#1	7050.526	99608.72	6271.737	5603.181	6860.788
#2	7071.929	99930.43	6380.266	5594.537	6875.406
#3	7108.668	99710.21	6371.389	5594.199	6906.092

Sample Name: CCV04 Acquired: 10/23/2025 16:43:50 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	4.958974	4.763144	5.019549	4.921921	4.833215	9.683821	9.849672
Stddev	.010726	.217929	.002912	.021966	.008198	.015857	.013152
%RSD	.2162973	4.575315	.0580158	.4462944	.1696111	.1637489	.1335225

#1	4.971098	5.011275	5.022220	4.944767	4.826147	9.687869	9.848997
#2	4.950720	4.602800	5.019982	4.920042	4.842202	9.666332	9.863148
#3	4.955104	4.675356	5.016444	4.900955	4.831296	9.697262	9.836871

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2657734	2.522771	24.59570	1.003668	2.480666	1.241897	4.665252
Stddev	.0012615	.003597	.01460	.000248	.001622	.002587	.008840
%RSD	.4746494	.1425656	.0593403	.0247255	.0653810	.2083087	.1894905

#1	.2644389	2.526780	24.57886	1.003937	2.481726	1.239055	4.657164
#2	.2659348	2.521707	24.60444	1.003448	2.481473	1.244115	4.674689
#3	.2669464	2.519827	24.60382	1.003621	2.478799	1.242522	4.663902

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.469437	24.63538	2.494000	1.220627	22.79958	2.427925	2.453408
Stddev	.002793	.16300	.000468	.001965	.10879	.008197	.012174
%RSD	.1131078	.6616317	.0187754	.1609905	.4771389	.3376142	.4961927

#1	2.469743	24.45218	2.494353	1.218385	22.91720	2.436812	2.440365
#2	2.472064	24.68960	2.494177	1.221445	22.77895	2.420661	2.455389
#3	2.466503	24.76434	2.493468	1.222051	22.70259	2.426302	2.464469

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.49294	5.274128	4.887967	5.042060	4.869212	4.572035	5.159963
Stddev	.03829	.033231	.006842	.015245	.004370	.009172	.024126
%RSD	.1629805	.6300800	.1399852	.3023582	.0897512	.2006008	.4675563

#1	23.53406	5.237771	4.895634	5.059494	4.866940	4.579355	5.186549
#2	23.48647	5.281677	4.885787	5.035452	4.866446	4.561747	5.139462
#3	23.45830	5.302935	4.882480	5.031234	4.874250	4.575003	5.153879

Sample Name: CCV04 Acquired: 10/23/2025 16:43:50 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.923279	4.710954	4.855829
Stddev	.044506	.003732	.027784
%RSD	.9039973	.0792266	.5721699
#1	4.974083	4.713997	4.830119
#2	4.891168	4.712075	4.885303
#3	4.904586	4.706790	4.852066

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6871.509	97378.42	5984.404	5479.315	7371.778
Stddev	7.321	425.70	37.143	16.023	9.518
%RSD	.1065465	.4371613	.6206586	.2924246	.1291194
#1	6878.193	97241.84	5999.100	5483.944	7370.263
#2	6872.651	97855.65	6011.950	5492.513	7381.964
#3	6863.684	97037.77	5942.161	5461.487	7363.109

Sample Name: CCB04 Acquired: 10/23/2025 16:47:54 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007488	-.000206	.0011532	-.000588	-.000752	-.007264	-.003225
Stddev	.0013341	.001843	.0011703	.001379	.002091	.014798	.001896
%RSD	178.1684	896.1078	101.4792	234.4456	277.9444	203.7327	58.79159

#1	-.000753	-.002155	.0012652	-.002069	-.003163	-.019615	-.002216
#2	.001797	.000030	.0022634	.000658	.000574	-.011315	-.002047
#3	.001203	.001508	-.000069	-.000354	.000332	.009139	-.005413

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000074	.0000299	.0004482	.0001326	-.000101	.0000626	-.000286
Stddev	.0000373	.0000319	.0137301	.0002397	.000196	.0003950	.008033
%RSD	503.7278	106.6299	3063.321	180.8059	193.4251	630.7617	2809.816

#1	.0000156	.0000602	-.007454	.0001909	-.000327	.0003001	-.009137
#2	-.000033	.0000328	.016302	.0003378	.000024	.0002811	.006542
#3	.000040	-.000003	-.007504	-.000131	-.000000	-.000393	.001737

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000010	-.000424	-.000047	-.000268	.1106199	-.002324	-.000270
Stddev	.000381	.023260	.000410	.000111	.0349932	.001487	.000350
%RSD	3911.545	5487.521	868.1539	41.54330	31.63372	63.98378	129.3324

#1	-.000393	-.015605	-.000041	-.000249	.0714071	-.002099	-.000457
#2	-.000004	.026355	-.000461	-.000388	.1217826	-.000962	.000133
#3	.000368	-.012022	.000360	-.000168	.1386698	-.003910	-.000487

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2138007	.0075983	.0003626	-.006013	-.001928	.0030171	-.002280
Stddev	.0253018	.0008367	.0002552	.000597	.001459	.0104402	.000741
%RSD	11.83431	11.01181	70.39187	9.928441	75.65899	346.0354	32.47910

#1	.2311641	.0085636	.0006531	-.005328	-.001208	.0029807	-.003134
#2	.2254677	.0071512	.0001743	-.006421	-.003607	-.007405	-.001808
#3	.1847704	.0070802	.0002603	-.006289	-.000970	.013475	-.001899

Sample Name: CCB04 Acquired: 10/23/2025 16:47:54 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001772	.0005120	.0000123
Stddev	.000275	.0015328	.0002090
%RSD	15.52262	299.3782	1693.752
#1	-.002066	-.000416	-.000008
#2	-.001731	-.000330	-.000186
#3	-.001520	.002281	.000231

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7238.838	103456.0	6225.608	5776.856	8778.653
Stddev	6.722	1410.0	150.642	86.193	8.565
%RSD	.0928641	1.362902	2.419719	1.492031	.0975702
#1	7231.584	105070.9	6140.735	5876.164	8771.357
#2	7244.858	102469.1	6136.551	5732.918	8788.084
#3	7240.071	102828.0	6399.538	5721.487	8776.517

Sample Name: Q3412-04 Acquired: 10/23/2025 16:51:43 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001290	.0011918	.0134662	.0043915	.0018476	.0424968	.1030077
Stddev	.002035	.0003314	.0008930	.0013697	.0006836	.0135266	.0012485
%RSD	157.7779	27.80951	6.631370	31.18989	36.99764	31.82973	1.212027
#1	-.003077	.0009433	.0126211	.0059290	.0026122	.0274101	.1023628
#2	.000925	.0015681	.0133771	.0033016	.0016347	.0465382	.1044468
#3	-.001717	.0010640	.0144004	.0039439	.0012958	.0535420	.1022136
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000078	-.000047	10.91131	.0006975	-.000108	.0058211	.0235212
Stddev	.000019	.000043	.02766	.0003315	.000096	.0003143	.0114830
%RSD	23.96316	91.91194	.2534759	47.53359	88.82584	5.400059	48.82006
#1	-.000084	-.000026	10.89573	.0004098	-.000093	.0060170	.0154932
#2	-.000094	-.000018	10.89495	.0010601	-.000211	.0054586	.0183960
#3	-.000057	-.000097	10.94324	.0006226	-.000020	.0059879	.0366743
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0300155	.9865478	.0004387	.0001467	162.6933	-.000435	.0247166
Stddev	.0001783	.0261493	.0002512	.0002984	.9858	.002951	.0000421
%RSD	.5939869	2.650590	57.26676	203.3114	.6059186	678.8833	.1702151
#1	.0300719	1.015944	.0001774	-.000184	163.4352	.001653	.0247471
#2	.0298158	.965877	.0006785	.000228	163.0701	-.003810	.0247340
#3	.0301587	.977821	.0004603	.000396	161.5747	.000853	.0246686
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6845847	.0124275	.0007988	-.020830	.0003693	.8356714	.0679861
Stddev	.0203700	.0009231	.0001989	.000109	.0007923	.0106816	.0027749
%RSD	2.975524	7.428315	24.90411	.5224927	214.5278	1.278209	4.081532
#1	.6783314	.0120135	.0007774	-.020866	-.000469	.8382924	.0678254
#2	.6680744	.0117838	.0006114	-.020916	.000471	.8239232	.0708378
#3	.7073482	.0134852	.0010076	-.020708	.001106	.8447986	.0652951

Sample Name: Q3412-04 Acquired: 10/23/2025 16:51:43 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2281703	-.011223	.0815328
Stddev	.0024129	.000949	.0001730
%RSD	1.057496	8.459729	.2121951

#1	.2281299	-.010645	.0816731
#2	.2257778	-.010704	.0815859
#3	.2306031	-.012318	.0813395

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6373.455	90496.25	5700.173	4988.185	7032.969
Stddev	13.388	280.39	1.292	18.790	11.351
%RSD	.2100610	.3098312	.0226619	.3766889	.1613996

#1	6360.756	90437.83	5700.115	4975.651	7021.882
#2	6372.169	90249.67	5701.493	4979.113	7032.458
#3	6387.439	90801.24	5698.911	5009.789	7044.567

Sample Name: Q3412-04DUP Acquired: 10/23/2025 16:55:57 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008555	.0008515	.0125991	.0047707	.0023471	.0433971	.0949397
Stddev	.0006555	.0016197	.0007404	.0003387	.0004144	.0117830	.0033624
%RSD	76.61446	190.2122	5.876591	7.098810	17.65663	27.15167	3.541644
#1	.0005021	.0022976	.0122105	.0051474	.0026744	.0470162	.0910583
#2	.0004527	-.000899	.0121340	.0044915	.0024857	.0529462	.0969638
#3	.0016119	.001156	.0134529	.0046732	.0018811	.0302290	.0967970
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000001	-.000086	10.30080	.0007962	-.000259	.0056413	.0302081
Stddev	.000023	.000057	.13373	.0002692	.000151	.0002848	.0031542
%RSD	4061.235	66.24610	1.298277	33.81137	58.14121	5.047729	10.44159
#1	.000026	-.000121	10.15425	.0009716	-.000103	.0058663	.0281961
#2	-.000011	-.000117	10.41622	.0004862	-.000403	.0053212	.0338433
#3	-.000017	-.000020	10.33193	.0009308	-.000271	.0057365	.0285848
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0391592	.9118435	.0006426	.0001397	153.1376	-.004526	.0250016
Stddev	.0004488	.0167507	.0003343	.0002530	1.8613	.000396	.0002196
%RSD	1.146183	1.837019	52.02267	181.1522	1.215471	8.749210	.8783117
#1	.0387309	.8939980	.0009248	-.000087	154.7034	-.004416	.0251094
#2	.0396261	.9143056	.0007297	.000093	153.6297	-.004965	.0251464
#3	.0391207	.9272270	.0002734	.000413	151.0796	-.004196	.0247489
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7478422	.0078362	.0004500	-.018382	.0000197	.8188847	.0643140
Stddev	.0432531	.0010716	.0002840	.000721	.0005733	.0138355	.0007926
%RSD	5.783720	13.67486	63.12092	3.919822	2904.264	1.689551	1.232428
#1	.7533839	.0068502	.0005956	-.018037	-.000404	.8298535	.0633992
#2	.7880573	.0089766	.0001227	-.019210	.000672	.8234594	.0647477
#3	.7020853	.0076818	.0006317	-.017899	-.000209	.8033413	.0647951

Sample Name: Q3412-04DUP Acquired: 10/23/2025 16:55:57 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2816665	-.012251	.0761126
Stddev	.0010733	.002923	.0009204
%RSD	.3810552	23.85823	1.209333
#1	.2827781	-.010178	.0750873
#2	.2815853	-.010981	.0768677
#3	.2806361	-.015594	.0763826

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6748.049	94223.15	6103.497	5177.624	7453.284
Stddev	18.109	511.65	67.696	42.444	20.798
%RSD	.2683576	.5430210	1.109134	.8197571	.2790442
#1	6728.756	93734.33	6181.553	5144.048	7430.562
#2	6764.679	94180.19	6068.112	5163.492	7471.379
#3	6750.712	94754.93	6060.827	5225.331	7457.912

Sample Name: Q3412-04LX5 Acquired: 10/23/2025 17:00:11 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007020	.0031208	.0018093	.0008443	-.001651	.0057435	.0212790
Stddev	.0012765	.0015359	.0011172	.0005207	.001871	.0084798	.0025846
%RSD	181.8319	49.21450	61.74691	61.66705	113.2925	147.6414	12.14612
#1	-.000547	.0017405	.0005193	.0011590	-.000765	-.000856	.0242397
#2	.002004	.0028467	.0024565	.0011307	-.000389	.002779	.0201236
#3	.000649	.0047753	.0024522	.0002433	-.003801	.015308	.0194737
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000024	-.000040	2.150520	.0002145	-.000017	.0010267	-.007855
Stddev	.000023	.000025	.030260	.0001075	.000116	.0002197	.015774
%RSD	95.38472	62.50905	1.407116	50.10147	672.5487	21.39916	200.8144
#1	-.000022	-.000057	2.163734	.0001382	-.000151	.0012660	.005518
#2	-.000002	-.000011	2.171926	.0001680	.000059	.0009802	-.025250
#3	-.000049	-.000052	2.115900	.0003374	.000040	.0008340	-.003832
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059947	.1979452	-.000077	.0000447	31.17673	-.003175	.0045332
Stddev	.0004495	.0244805	.000267	.0001838	.10451	.002975	.0001412
%RSD	7.498292	12.36733	344.6323	410.9149	.3352229	93.70359	3.114761
#1	.0054878	.1705948	.000185	.0000750	31.11576	-.003239	.0045430
#2	.0063450	.2178060	-.000349	-.000152	31.29740	-.006119	.0043873
#3	.0061512	.2054349	-.000068	.000212	31.11702	-.000169	.0046692
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3627731	-.002146	.0001437	-.008026	-.001712	.1693390	.0103732
Stddev	.0558768	.000108	.0000824	.000199	.001029	.0136063	.0000536
%RSD	15.40268	5.019212	57.35103	2.482225	60.13041	8.034950	.5168412
#1	.3394291	-.002047	.0000510	-.007879	-.000994	.1554446	.0103517
#2	.3223537	-.002261	.0002087	-.007947	-.002891	.1826376	.0104343
#3	.4265364	-.002130	.0001713	-.008253	-.001250	.1699348	.0103337

Sample Name: Q3412-04LX5 Acquired: 10/23/2025 17:00:11 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0479950	.0051986	.0163197
Stddev	.0001970	.0036316	.0000508
%RSD	.4104838	69.85852	.3112971

#1	.0479711	.0013694	.0163303
#2	.0482028	.0085936	.0163644
#3	.0478109	.0056328	.0162645

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6983.805	98534.78	6064.126	5410.588	7997.922
Stddev	86.660	494.69	39.053	30.183	98.577
%RSD	1.240864	.5020506	.6440003	.5578486	1.232534

#1	6894.829	98590.26	6022.933	5420.791	7894.021
#2	6988.642	98999.39	6100.612	5434.347	8009.611
#3	7067.945	98014.68	6068.831	5376.626	8090.133

Sample Name: Q3412-04MS Acquired: 10/23/2025 17:04:25 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8069009	1.625399	.9737080	2.001936	.7765724	1.958714	.4040799
Stddev	.0019175	.034303	.0031489	.005807	.0032208	.032081	.0016464
%RSD	.2376309	2.110409	.3233957	.2900504	.4147512	1.637837	.4074518

#1	.8047150	1.597562	.9707217	2.005325	.7749029	1.994502	.4035491
#2	.8082985	1.614915	.9769976	2.005251	.7802852	1.932540	.4027642
#3	.8076893	1.663721	.9734048	1.995231	.7745291	1.949099	.4059262

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1810016	.2002643	24.03758	.3751707	.1989834	.3051243	2.983910
Stddev	.0010737	.0007613	.09629	.0017363	.0004516	.0004582	.013288
%RSD	.5931895	.3801458	.4005731	.4628110	.2269294	.1501771	.4453086

#1	.1815538	.2002239	24.09869	.3771725	.1988465	.3050396	2.969662
#2	.1797642	.2010450	23.92658	.3742657	.1994876	.3056190	2.995963
#3	.1816867	.1995240	24.08746	.3740737	.1986162	.3047144	2.986105

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2586763	3.961172	.4995596	.0692917	367.1033	.2912954	.2565575
Stddev	.0022977	.079527	.0022830	.0003719	3.7705	.0052054	.0009094
%RSD	.8882463	2.007653	.4570107	.5366598	1.027107	1.786992	.3544749

#1	.2601243	4.052919	.4992189	.0696666	371.4567	.2952843	.2576045
#2	.2560270	3.918677	.5019938	.0689229	364.8709	.2931949	.2559640
#3	.2598777	3.911922	.4974660	.0692856	364.9824	.2854069	.2561040

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.95295	.2957713	.4067768	.6898160	.1886405	2.639656	6.367566
Stddev	.05910	.0031882	.0011367	.0015356	.0020956	.014819	.008694
%RSD	.4944436	1.077915	.2794384	.2226049	1.110919	.5613930	.1365281

#1	12.00157	.2980989	.4056577	.6883960	.1907881	2.656237	6.359294
#2	11.97010	.2921375	.4079303	.6914456	.1866010	2.635026	6.376627
#3	11.88717	.2970776	.4067424	.6896065	.1885323	2.627704	6.366776

Sample Name: Q3412-04MS Acquired: 10/23/2025 17:04:25 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4918733	.1748702	.3590337
Stddev	.0026009	.0009012	.0028482
%RSD	.5287797	.5153621	.7932972

#1	.4897094	.1738649	.3603123
#2	.4947589	.1756056	.3557703
#3	.4911517	.1751402	.3610186

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6552.218	91166.29	5964.698	5211.247	6955.773
Stddev	16.837	373.43	26.486	24.793	23.521
%RSD	.2569733	.4096126	.4440443	.4757623	.3381512

#1	6557.681	91093.69	5953.769	5186.123	6964.071
#2	6533.327	90834.50	5994.899	5211.925	6929.228
#3	6565.645	91570.69	5945.425	5235.695	6974.020

Sample Name: Q3412-04MSD Acquired: 10/23/2025 17:08:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7883263	1.659072	.9443003	1.977810	.7584095	1.929436	.3907441
Stddev	.0058455	.071149	.0027816	.011860	.0014829	.018314	.0024543
%RSD	.7415111	4.288462	.2945643	.5996383	.1955322	.9492143	.6281093

#1	.7824972	1.579728	.9418377	1.964137	.7591680	1.943003	.3929732
#2	.7941881	1.680290	.9473173	1.985321	.7593597	1.936702	.3881140
#3	.7882938	1.717197	.9437459	1.983970	.7567007	1.908603	.3911451

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1754500	.1947270	23.59961	.3659335	.1932216	.2959841	2.934124
Stddev	.0009073	.0001632	.02087	.0011379	.0007084	.0003662	.035938
%RSD	.5171166	.0838086	.0884313	.3109631	.3666437	.1237362	1.224844

#1	.1746190	.1945443	23.57748	.3646641	.1933033	.2963287	2.896362
#2	.1764180	.1948584	23.60242	.3668620	.1938856	.2955995	2.938102
#3	.1753130	.1947783	23.61893	.3662745	.1924758	.2960242	2.967908

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2518391	3.958920	.4842767	.0679440	362.9373	.2798524	.2503040
Stddev	.0014850	.010060	.0004859	.0001802	1.6674	.0009894	.0010178
%RSD	.5896670	.2541010	.1003264	.2652034	.4594179	.3535439	.4066256

#1	.2501846	3.959574	.4848332	.0680707	364.0990	.2808693	.2491824
#2	.2522760	3.948550	.4839364	.0680235	363.6861	.2788929	.2511688
#3	.2530565	3.968637	.4840606	.0677377	361.0268	.2797951	.2505608

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.83142	.2819353	.3966346	.6664970	.1853238	2.634603	6.207119
Stddev	.07227	.0008434	.0009383	.0020724	.0018988	.032597	.032065
%RSD	.6108698	.2991358	.2365578	.3109312	1.024566	1.237279	.5165899

#1	11.78850	.2815260	.3955512	.6642138	.1869116	2.602364	6.174132
#2	11.79090	.2829052	.3971668	.6682588	.1832205	2.633899	6.238175
#3	11.91486	.2813747	.3971857	.6670185	.1858392	2.667547	6.209051

Sample Name: Q3412-04MSD Acquired: 10/23/2025 17:08:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4800720	.1740668	.3506486
Stddev	.0075411	.0032531	.0008252
%RSD	1.570835	1.868899	.2353473

#1	.4728036	.1736502	.3498196
#2	.4878591	.1710421	.3506559
#3	.4795532	.1775082	.3514701

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6919.425	96499.20	6400.710	5420.825	7357.324
Stddev	36.038	315.03	1.581	22.427	36.587
%RSD	.5208279	.3264535	.0247080	.4137102	.4972849

#1	6881.681	96779.27	6402.465	5400.273	7318.952
#2	6923.122	96560.19	6399.395	5444.745	7361.203
#3	6953.472	96158.14	6400.269	5417.457	7391.816

Sample Name: Q3412-04A Acquired: 10/23/2025 17:12:41 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7822790	1.608536	.9373411	1.949377	.7732554	1.877425	.2761941
Stddev	.0015493	.057065	.0004299	.005647	.0011112	.005587	.0010531
%RSD	.1980547	3.547647	.0458582	.2896856	.1436997	.2975851	.3812699

#1	.7839584	1.673176	.9372366	1.953903	.7733728	1.879723	.2751694
#2	.7809052	1.565140	.9378136	1.943049	.7743033	1.881497	.2761397
#3	.7819734	1.587292	.9369731	1.951179	.7720903	1.871056	.2772733

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1762964	.1926004	11.07337	.3710420	.1922226	.2947323	2.868339
Stddev	.0007287	.0000805	.04721	.0014762	.0005553	.0003159	.025945
%RSD	.4133390	.0417938	.4263090	.3978600	.2888742	.1071683	.9045234

#1	.1756364	.1926853	11.04843	.3697032	.1916559	.2948549	2.898057
#2	.1770784	.1925251	11.12782	.3707976	.1927657	.2943735	2.850195
#3	.1761743	.1925909	11.04387	.3726252	.1922462	.2949685	2.856767

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2146604	2.799417	.4841864	.0690228	161.4446	.2829073	.2253152
Stddev	.0004849	.033320	.0009873	.0007702	.3966	.0037890	.0006189
%RSD	.2258724	1.190256	.2039014	1.115822	.2456625	1.339322	.2746841

#1	.2143828	2.784333	.4834565	.0687420	161.8639	.2818985	.2249734
#2	.2152202	2.837612	.4853097	.0698940	161.0754	.2870986	.2260296
#3	.2143781	2.776306	.4837930	.0684325	161.3944	.2797247	.2249425

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.26650	.2741684	.4078429	.6728148	.1832681	1.675167	5.813831
Stddev	.06814	.0027439	.0004831	.0016530	.0006157	.002775	.022871
%RSD	.6637101	1.000817	.1184609	.2456846	.3359421	.1656269	.3933825

#1	10.34084	.2712139	.4073008	.6740876	.1838612	1.672429	5.829680
#2	10.20701	.2766369	.4079997	.6709466	.1833109	1.677977	5.787612
#3	10.25164	.2746542	.4082281	.6734102	.1826321	1.675095	5.824200

Sample Name: Q3412-04A Acquired: 10/23/2025 17:12:41 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2060758	.1685295	.2533876
Stddev	.0008625	.0036535	.0009331
%RSD	.4185420	2.167847	.3682293
#1	.2063241	.1645254	.2538213
#2	.2051164	.1693813	.2540248
#3	.2067870	.1716819	.2523166

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6894.680	95408.31	6316.848	5221.760	7534.850
Stddev	18.444	347.54	43.738	47.003	22.660
%RSD	.2675143	.3642690	.6924009	.9001294	.3007366
#1	6883.544	95808.16	6356.448	5274.795	7518.690
#2	6884.525	95237.97	6269.902	5185.256	7525.108
#3	6915.970	95178.80	6324.195	5205.230	7560.752

Sample Name: Q3406-02 Acquired: 10/23/2025 17:16:42 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000816	-.001050	.0024771	.0050393	.0012947	.0374106	.1386329
Stddev	.001222	.001939	.0004944	.0016934	.0015011	.0063388	.0001532
%RSD	149.8449	184.6951	19.95977	33.60427	115.9392	16.94385	.1104941

#1	-.000284	-.002802	.0029832	.0069937	.0029102	.0420934	.1387669
#2	.000050	-.001383	.0024528	.0040088	-.000057	.0301974	.1384659
#3	-.002214	.001034	.0019952	.0041154	.001031	.0399409	.1386659

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000581	.0001207	9.736103	.0008057	.0001733	.0032462	.0320304
Stddev	.0000608	.0000815	.028530	.0003251	.0000593	.0001322	.0032750
%RSD	104.6868	67.49307	.2930336	40.35464	34.21929	4.072564	10.22451

#1	.0000899	.0000905	9.711289	.0011808	.0002190	.0033946	.0314083
#2	.0000965	.0000587	9.729745	.0006047	.0001945	.0031411	.0355718
#3	-.000012	.0002130	9.767276	.0006316	.0001063	.0032030	.0291111

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0525327	2.387751	.0004958	.0000868	318.6673	-.002825	.0807005
Stddev	.0008520	.005900	.0005705	.0002870	1.7747	.002243	.0005392
%RSD	1.621770	.2470865	115.0688	330.4617	.5568999	79.39573	.6681126

#1	.0519585	2.386204	.0006662	.0004182	317.0565	-.004491	.0801658
#2	.0521281	2.394270	.0009617	-.000074	320.5697	-.003710	.0812440
#3	.0535116	2.382779	-.000140	-.000084	318.3756	-.000275	.0806916

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.606418	.0199778	.0004991	-.020689	-.001189	.2733380	.0234699
Stddev	.048935	.0001009	.0001663	.000459	.000583	.0099429	.0014607
%RSD	3.046220	.5051554	33.32382	2.217711	49.00598	3.637576	6.223756

#1	1.554819	.0199705	.0003800	-.020889	-.001138	.2836315	.0251512
#2	1.652163	.0198808	.0006892	-.020164	-.001795	.2725949	.0227463
#3	1.612271	.0200823	.0004282	-.021014	-.000633	.2637875	.0225123

Sample Name: Q3406-02 Acquired: 10/23/2025 17:16:42 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4838109	-.010699	.0815341
Stddev	.0052436	.001245	.0003792
%RSD	1.083812	11.63460	.4650357

#1	.4840083	-.009310	.0819213
#2	.4889530	-.011714	.0811635
#3	.4784714	-.011074	.0815175

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6933.374	96586.14	6440.648	5362.174	7484.019
Stddev	9.560	204.61	31.180	12.406	12.282
%RSD	.1378837	.2118451	.4841086	.2313566	.1641146

#1	6933.462	96789.42	6414.587	5376.376	7487.954
#2	6923.770	96380.22	6475.192	5353.449	7470.252
#3	6942.890	96588.78	6432.166	5356.698	7493.852

Sample Name: CCV05 Acquired: 10/23/2025 17:21:03 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.208886	4.742518	5.245956	5.179932	5.071832	10.19392
Stddev	.013336	.106307	.014823	.005669	.018864	.02293
%RSD	.2560182	2.241582	.2825583	.1094421	.3719382	.2249120

#1	5.224168	4.635954	5.260593	5.182051	5.093417	10.16803
#2	5.202884	4.743033	5.246321	5.184237	5.063574	10.21168
#3	5.199607	4.848567	5.230954	5.173509	5.058506	10.20204

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.26100	.2465954	2.636174	25.79230	.9670709	2.591963
Stddev	.03589	.0019527	.005676	.03879	.0016728	.005472
%RSD	.3497926	.7918523	.2153245	.1503860	.1729744	.2111318

#1	10.22379	.2485612	2.640553	25.82977	.9682762	2.597283
#2	10.26379	.2465689	2.638208	25.79483	.9677754	2.592256
#3	10.29541	.2446561	2.629761	25.75232	.9651611	2.586350

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.298372	4.915210	2.576676	25.89061	2.607275	1.289299
Stddev	.005098	.024633	.006778	.03331	.006976	.004237
%RSD	.3926112	.5011567	.2630637	.1286753	.2675654	.3286529

#1	1.304171	4.887371	2.572883	25.90603	2.614560	1.294101
#2	1.296346	4.934181	2.572643	25.85237	2.606611	1.286085
#3	1.294599	4.924078	2.584501	25.91341	2.600655	1.287711

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.14992	2.560149	2.595002	25.48502	F 5.544685	5.118762
Stddev	.09142	.004178	.005837	.11264	.029788	.014136
%RSD	.3635118	.1631754	.2249404	.4419662	.5372264	.2761531

#1	25.05624	2.555412	2.601742	25.39316	5.578175	5.134637
#2	25.15461	2.561730	2.591568	25.45121	5.534727	5.114114
#3	25.23891	2.563305	2.591696	25.61069	5.521152	5.107536

Sample Name: CCV05 Acquired: 10/23/2025 17:21:03 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.263527	5.092100	4.782530	5.362029	5.134463	4.917152
Stddev	.010994	.005061	.038757	.006346	.016527	.010821
%RSD	.2088619	.0993957	.8103941	.1183450	.3218837	.2200731

#1	5.269150	5.093023	4.742628	5.356799	5.115567	4.904854
#2	5.270572	5.096636	4.784932	5.360201	5.146223	4.921384
#3	5.250859	5.086640	4.820031	5.369088	5.141599	4.925218

Elem	Sr4077
Units	ppm
Avg	5.060789
Stddev	.012992
%RSD	.2567271

#1	5.069948
#2	5.066501
#3	5.045920

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6676.658	95465.88	5912.228	5310.456	7177.092
Stddev	23.034	156.25	17.027	13.325	23.507
%RSD	.3449970	.1636688	.2879911	.2509227	.3275262

#1	6657.001	95587.82	5902.988	5309.303	7164.531
#2	6670.970	95289.75	5901.819	5297.746	7162.533
#3	6702.004	95520.07	5931.877	5324.321	7204.211

Sample Name: CCB05 Acquired: 10/23/2025 17:25:49 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009021	.0018393	.0010307	.0001781	.0001126	.0013183
Stddev	.0023354	.0007536	.0004415	.0033726	.0019526	.0085167
%RSD	258.8727	40.97132	42.83208	1893.286	1733.893	646.0468

#1	-.000344	.0023480	.0012911	.0019691	-.001470	.0043374
#2	.003596	.0021963	.0012800	-.003712	.002295	.0079141
#3	-.000546	.0009735	.0005210	.002277	-.000487	-.008297

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034578	.0000232	-.000051	-.008044	.0000552	-.000039
Stddev	.0003559	.0000545	.000031	.006242	.0004314	.000051
%RSD	10.29297	234.8112	60.76963	77.60704	781.5578	128.3230

#1	.0031686	-.000030	-.000077	-.013454	-.000352	-.000050
#2	.0038553	.000022	-.000017	-.009463	.000011	.000015
#3	.0033497	.000078	-.000058	-.001214	.000507	-.000084

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000606	.0009051	-.000739	-.010738	-.000137	-.000001
Stddev	.0003352	.0011523	.000419	.034789	.000290	.000419
%RSD	553.1628	127.3147	56.70415	323.9835	211.3953	33677.98

#1	.0004207	.0005043	-.001219	-.039281	-.000437	-.000084
#2	-.000242	.0022043	-.000550	-.020946	.000142	.000454
#3	.000003	.0000067	-.000447	.028013	-.000117	-.000373

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5519881	-.000396	-.000165	.5478516	-.001091	.0002586
Stddev	.0312187	.001075	.000134	.0638993	.001244	.0001865
%RSD	5.655684	271.4971	80.94011	11.66362	114.0939	72.10029

#1	.5278958	.000414	-.000319	.4753578	.000346	.0000783
#2	.5408118	-.001616	-.000103	.5721989	-.001848	.0002468
#3	.5872566	.000014	-.000074	.5959983	-.001770	.0004507

Sample Name: CCB05 Acquired: 10/23/2025 17:25:49 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004814	-.003015	.0142748	-.002981	.0072262	F .0150644
Stddev	.000235	.002978	.0202323	.001255	.0025463	.0005430
%RSD	4.878060	98.77283	141.7343	42.10211	35.23763	3.604261

#1	-.005065	.000232	-.000174	-.004412	.0097874	.0156211
#2	-.004778	-.003657	.037398	-.002466	.0071963	.0150358
#3	-.004599	-.005619	.005601	-.002065	.0046949	.0145363

Elem	Sr4077
Units	ppm
Avg	-.000074
Stddev	.000054
%RSD	72.92959

#1	-.000091
#2	-.000014
#3	-.000119

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6855.747	97856.19	5931.822	5438.254	8221.121
Stddev	8.898	370.16	72.468	45.887	12.848
%RSD	.1297824	.3782652	1.221687	.8437889	.1562841

#1	6861.229	97812.94	5849.397	5453.663	8230.426
#2	6845.481	97509.56	5960.536	5386.645	8206.461
#3	6860.531	98246.07	5985.533	5474.454	8226.475

Sample Name: PB170185BL Acquired: 10/23/2025 17:30:03 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015390	.0001523	.0001190	.0004379	-.000396	-.014449	-.001054
Stddev	.0007585	.0007480	.0002520	.0019372	.001433	.004839	.001085
%RSD	49.28680	491.1100	211.7645	442.3960	361.4468	33.48616	102.9552
#1	.0023981	-.000115	-.000127	-.001061	-.000821	-.020005	.000067
#2	.0009619	-.000425	.000377	-.000251	.001201	-.012181	-.001129
#3	.0012570	.000997	.000107	.002625	-.001569	-.011162	-.002099
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000238	-.000069	-.001784	.0000294	-.000101	-.000032	-.003759
Stddev	.0000365	.000040	.011764	.0002947	.000174	.000128	.008992
%RSD	153.1994	58.43618	659.2619	1000.907	172.7673	398.8312	239.2020
#1	-.000010	-.000064	-.004629	-.000271	-.000120	-.000180	-.001273
#2	.000063	-.000032	-.011865	.000317	.000082	.000032	.003728
#3	.000018	-.000111	.011141	.000042	-.000265	.000051	-.013732
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000908	-.006948	-.000183	.0003276	.2761097	-.001246	-.000297
Stddev	.000707	.023747	.000152	.0006070	.0230286	.002995	.000382
%RSD	77.88225	341.8083	83.10451	185.2671	8.340384	240.4347	128.7213
#1	-.000219	.010850	-.000096	.0010229	.2505074	.001634	-.000578
#2	-.001631	-.033912	-.000094	.0000569	.2826894	-.004344	-.000451
#3	-.000873	.002220	-.000359	-.000097	.2951324	-.001027	.000138
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4283593	-.005818	-.000034	-.006107	.0001444	.0058209	-.001707
Stddev	.0280313	.000497	.000275	.000927	.0007595	.0098435	.000775
%RSD	6.543864	8.538596	806.3256	15.18193	525.9080	169.1076	45.43119
#1	.4048789	-.006391	-.000312	-.005047	.0000722	.0076248	-.001203
#2	.4208055	-.005555	-.000029	-.006505	.0009374	.0146377	-.002600
#3	.4593934	-.005508	.000238	-.006769	-.000576	-.004800	-.001318

Sample Name: PB170185BL Acquired: 10/23/2025 17:30:03 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0010428	.0045944	-.000065
Stddev	.0023575	.0006946	.000130
%RSD	226.0751	15.11905	200.0410

#1	.0034285	.0040328	-.000176
#2	.0009853	.0053712	.000078
#3	-.001285	.0043793	-.000097

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7251.827	103095.3	6364.353	5657.127	8835.649
Stddev	32.011	208.8	47.862	21.738	42.464
%RSD	.4414255	.2025764	.7520365	.3842647	.4805951

#1	7215.164	102854.2	6322.907	5632.969	8787.124
#2	7266.084	103216.5	6353.413	5675.110	8853.822
#3	7274.232	103215.3	6416.738	5663.302	8866.003

Sample Name: PB170185BS Acquired: 10/23/2025 17:34:19 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7806961	1.764956	.9562115	1.966293	.7651103	1.933489
Stddev	.0007655	.073435	.0025018	.006492	.0024210	.006586
%RSD	.0980575	4.160735	.2616418	.3301595	.3164290	.3406490
#1	.7815359	1.684458	.9577350	1.966355	.7626921	1.934307
#2	.7805149	1.782123	.9575754	1.959771	.7675342	1.926532
#3	.7800374	1.828287	.9533240	1.972754	.7651045	1.939628
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1896164	.1917835	.1914649	1.009991	.3773287	.1931365
Stddev	.0047689	.0016072	.0003591	.006882	.0034026	.0002086
%RSD	2.515031	.8380387	.1875697	.6813744	.9017612	.1079889
#1	.1940733	.1926439	.1910510	1.017918	.3812555	.1930551
#2	.1901888	.1899292	.1916936	1.006496	.3752503	.1933735
#3	.1845871	.1927773	.1916503	1.005557	.3754804	.1929809
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3075669	2.785791	.1953769	1.990569	.4858537	.0711315
Stddev	.0006731	.008830	.0010274	.013603	.0005351	.0003568
%RSD	.2188521	.3169541	.5258691	.6833710	.1101314	.5016386
#1	.3077167	2.779861	.1962412	2.004910	.4854188	.0713537
#2	.3081525	2.795939	.1942410	1.977849	.4864512	.0713209
#3	.3068315	2.781573	.1956486	1.988947	.4856911	.0707199
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.776257	.2878765	.2026018	9.314016	.3036035	.3849577
Stddev	.015044	.0034307	.0014286	.053035	.0031495	.0010964
%RSD	.5418698	1.191712	.7051430	.5694078	1.037382	.2848181
#1	2.792751	.2843334	.2041742	9.294637	.3042791	.3841156
#2	2.763290	.2881139	.2022475	9.374015	.3001709	.3845599
#3	2.772730	.2911824	.2013836	9.273396	.3063604	.3861975

Sample Name: PB170185BS Acquired: 10/23/2025 17:34:19 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6512288	.1816911	.8145454	5.653882	F .0027735	.1924489
Stddev	.0004964	.0004831	.0131960	.009865	.0017520	.0020384
%RSD	.0762191	.2658946	1.620046	.1744735	63.17068	1.059181

#1	.6506559	.1822215	.8196302	5.644702	.0043304	.1941768
#2	.6515304	.1812761	.8244426	5.652633	.0008763	.1902008
#3	.6515000	.1815758	.7995634	5.664312	.0031138	.1929690

Elem	Sr4077
Units	ppm
Avg	.1857159
Stddev	.0007257
%RSD	.3907408

#1	.1860698
#2	.1848812
#3	.1861967

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6981.123	98537.64	6128.599	5376.331	8054.551
Stddev	10.448	809.64	30.917	38.423	7.242
%RSD	.1496595	.8216544	.5044635	.7146736	.0899104

#1	6970.045	97629.31	6109.387	5347.918	8051.425
#2	6982.525	98800.20	6164.263	5361.026	8049.397
#3	6990.799	99183.42	6112.148	5420.048	8062.831

Sample Name: Q3385-04 Acquired: 10/23/2025 17:38:20 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002243	.0017016	.0038591	.0044314	.0036843	.0636023	.0219896
Stddev	.002722	.0016258	.0007224	.0020111	.0012361	.0087436	.0002093
%RSD	121.3538	95.54185	18.71941	45.38400	33.55017	13.74735	.9518077
#1	-.000436	.0001079	.0033052	.0066957	.0037305	.0550201	.0219818
#2	-.005373	.0016394	.0035960	.0028530	.0048966	.0724988	.0222026
#3	-.000919	.0033576	.0046762	.0037453	.0024257	.0632880	.0217843
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000076	.0000225	29.41373	.0022191	.0009545	.1533420	.3690585
Stddev	.000029	.0000972	.06583	.0003454	.0001882	.0001484	.0172144
%RSD	38.43754	432.7792	.2238084	15.56248	19.71628	.0967715	4.664400
#1	-.000075	-.000086	29.48026	.0023122	.0008846	.1535120	.3498610
#2	-.000047	.000100	29.41230	.0018367	.0011676	.1532752	.3831210
#3	-.000105	.000053	29.34862	.0025083	.0008112	.1532388	.3741937
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0585760	7.345301	.0055024	.0000578	694.9004	-.003437	.3549012
Stddev	.0002993	.029688	.0001712	.0001898	12.2108	.003402	.0011013
%RSD	.5109010	.4041708	3.111260	328.4546	1.757197	98.98178	.3103075
#1	.0586171	7.316430	.0053050	.0002747	684.2118	-.006998	.3561531
#2	.0588526	7.375743	.0055922	-.000024	692.2813	-.000221	.3540819
#3	.0582583	7.343731	.0056100	-.000078	708.2083	-.003092	.3544686
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.405658	.0181432	.0018236	-.018673	-.000617	3.012389	3.002689
Stddev	.064303	.0007747	.0000551	.000681	.000362	.020945	.013283
%RSD	1.888121	4.269803	3.022132	3.648873	58.72123	.6952950	.4423843
#1	3.388043	.0189924	.0018127	-.018646	-.000384	2.988635	2.990721
#2	3.351998	.0174752	.0017748	-.019367	-.001034	3.020329	3.000365
#3	3.476933	.0179619	.0018834	-.018005	-.000432	3.028203	3.016981

Sample Name: Q3385-04 Acquired: 10/23/2025 17:38:20 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	8.128289	-.011000	.1054665
Stddev	.025809	.002314	.0004490
%RSD	.3175217	21.03472	.4257303

#1	8.103201	-.013275	.1059849
#2	8.126902	-.011074	.1051994
#3	8.154763	-.008650	.1052152

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6250.214	86370.91	6052.299	4862.109	6573.959
Stddev	17.245	544.09	64.877	13.151	7.307
%RSD	.2759029	.6299425	1.071939	.2704755	.1111498

#1	6230.368	86737.46	5978.345	4851.793	6568.736
#2	6261.547	86629.53	6099.622	4857.617	6582.309
#3	6258.726	85745.75	6078.931	4876.918	6570.831

Sample Name: Q3385-04DUP Acquired: 10/23/2025 17:42:39 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002279	.0039434	.0035788	.0058407	.0046051	.0861984	.0177483
Stddev	.002573	.0012143	.0012314	.0016431	.0024439	.0052622	.0037173
%RSD	112.8702	30.79342	34.40904	28.13216	53.07001	6.104802	20.94439
#1	-.000259	.0050183	.0050003	.0042753	.0025778	.0801266	.0197928
#2	-.001403	.0026262	.0028369	.0056949	.0039185	.0890320	.0199945
#3	-.005176	.0041857	.0028993	.0075518	.0073188	.0894367	.0134575
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000060	-.000074	29.68342	.0017720	.0008840	.1522977	.3653843
Stddev	.000078	.000114	.24469	.0001626	.0002206	.0001738	.0112176
%RSD	130.9099	154.0352	.8243414	9.174860	24.95475	.1140986	3.070088
#1	-.000150	-.000163	29.93495	.0019196	.0006639	.1524045	.3668779
#2	-.000008	-.000114	29.44619	.0015978	.0008830	.1520972	.3757803
#3	-.000021	.000055	29.66914	.0017985	.0011050	.1523915	.3534947
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0593352	7.292570	.0054083	-.000041	683.4575	-.003181	.3479634
Stddev	.0003556	.019564	.0002254	.000716	3.8433	.003229	.0008726
%RSD	.5993452	.2682732	4.168019	1730.934	.5623314	101.5041	.2507633
#1	.0589324	7.283015	.0051601	-.000822	686.7503	-.006444	.3473431
#2	.0596059	7.279620	.0056002	.000112	679.2345	-.003113	.3489612
#3	.0594672	7.315076	.0054645	.000586	684.3876	.000013	.3475860
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.429065	.0179067	.0021526	-.019691	.0010666	2.914090	3.023531
Stddev	.041153	.0010925	.0002627	.000355	.0015479	.025929	.012100
%RSD	1.200115	6.101060	12.20260	1.803847	145.1189	.8897739	.4001977
#1	3.382971	.0189067	.0018631	-.019489	.0007821	2.905814	3.029719
#2	3.442109	.0180726	.0022191	-.020101	.0027371	2.893310	3.009589
#3	3.462115	.0167407	.0023757	-.019483	-.000319	2.943147	3.031286

Sample Name: Q3385-04DUP Acquired: 10/23/2025 17:42:39 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	8.033324	-.011263	.1081030
Stddev	.030896	.003119	.0008326
%RSD	.3846033	27.69480	.7701944

#1	8.041408	-.007961	.1088200
#2	7.999190	-.011670	.1071898
#3	8.059376	-.014160	.1082992

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6236.971	86534.26	5858.706	4935.853	6539.086
Stddev	23.931	263.24	38.653	8.129	24.552
%RSD	.3836986	.3042078	.6597576	.1646966	.3754604

#1	6260.197	86486.92	5814.415	4926.466	6559.690
#2	6238.324	86817.97	5885.627	4940.462	6545.646
#3	6212.392	86297.91	5876.076	4940.629	6511.920

Sample Name: Q3385-04LX5 Acquired: 10/23/2025 17:46:57 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008709	.0034245	.0010261	-.000154	.0005466	.0156728	.0038153
Stddev	.0016683	.0019296	.0001519	.001250	.0013714	.0057325	.0021442
%RSD	191.5689	56.34677	14.80805	810.8679	250.8821	36.57592	56.20063
#1	.0007367	.0022634	.0011013	-.001465	-.000983	.0097261	.0053822
#2	-.000726	.0023582	.0011257	-.000021	.000955	.0211638	.0013716
#3	.002602	.0056519	.0008512	.001024	.001668	.0161284	.0046920
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000450	-.000046	5.832947	.0003995	.0001599	.0304147	.0602210
Stddev	.0000361	.000084	.048076	.0000820	.0001117	.0002483	.0045921
%RSD	80.22935	180.3864	.8242072	20.53520	69.82342	.8163298	7.625391
#1	.0000848	.000030	5.877008	.0003682	.0000397	.0303003	.0613510
#2	.0000142	-.000033	5.781672	.0003377	.0001796	.0306996	.0551694
#3	.0000361	-.000136	5.840160	.0004926	.0002604	.0302443	.0641427
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0121449	1.424461	.0006598	.0004022	135.7017	-.000189	.0658751
Stddev	.0004899	.024655	.0003179	.0003606	.8752	.003382	.0004042
%RSD	4.033669	1.730835	48.18362	89.66972	.6449565	1785.892	.6135707
#1	.0118250	1.452760	.0008279	.0000313	134.7151	.003696	.0663011
#2	.0119008	1.413002	.0002931	.0004236	136.0054	-.001800	.0658272
#3	.0127089	1.407620	.0008584	.0007516	136.3846	-.002464	.0654970
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.896015	-.003106	-.000064	-.008541	.0021107	.5479550	.5569144
Stddev	.085826	.000326	.000242	.001039	.0020465	.0060119	.0040875
%RSD	4.526671	10.49138	380.2606	12.16957	96.95812	1.097159	.7339484
#1	1.933756	-.002977	-.000167	-.007375	.0026417	.5546664	.5615181
#2	1.797786	-.003477	.000213	-.009369	.0038393	.5430629	.5555138
#3	1.956504	-.002865	-.000236	-.008879	-.000149	.5461355	.5537115

Sample Name: Q3385-04LX5 Acquired: 10/23/2025 17:46:57 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.467169	.0393270	.0210537
Stddev	.005783	.0028986	.0001481
%RSD	.3941757	7.370410	.7033162
#1	1.470882	.0364396	.0210770
#2	1.460505	.0393048	.0208954
#3	1.470118	.0422366	.0211888

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6719.170	94489.62	6058.315	5320.030	7374.849
Stddev	15.409	210.77	79.053	24.431	21.645
%RSD	.2293290	.2230575	1.304864	.4592318	.2934920
#1	6707.211	94519.78	5974.152	5313.375	7354.654
#2	6713.740	94683.68	6131.004	5347.099	7372.195
#3	6736.559	94265.40	6069.788	5299.615	7397.698

Sample Name: Q3385-05 Acquired: 10/23/2025 17:51:08 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8165154	1.607447	.9708657	2.004232	.7874498	2.018818	.2143842
Stddev	.0029139	.032610	.0038275	.009519	.0005892	.005830	.0028741
%RSD	.3568677	2.028657	.3942351	.4749337	.0748243	.2888056	1.340606
#1	.8142177	1.644823	.9685601	2.013706	.7868906	2.018581	.2159794
#2	.8155355	1.592723	.9687530	1.994669	.7873937	2.024764	.2110663
#3	.8197929	1.584797	.9752839	2.004321	.7880650	2.013110	.2161068
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1820291	.2050181	37.79987	.3880604	.2038470	.4872416	3.657608
Stddev	.0024270	.0008166	.06886	.0007488	.0005374	.0015591	.056715
%RSD	1.333277	.3983276	.1821698	.1929692	.2636123	.3199874	1.550609
#1	.1803576	.2043154	37.80313	.3887806	.2033276	.4857081	3.691822
#2	.1809168	.2048249	37.72944	.3881147	.2038128	.4871915	3.688861
#3	.1848128	.2059140	37.86704	.3872859	.2044007	.4888251	3.592141
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2624565	9.497247	.5135209	.0717316	705.8628	.2954665	.5951289
Stddev	.0010311	.058987	.0018418	.0006569	10.3773	.0039639	.0002400
%RSD	.3928714	.6210915	.3586553	.9157340	1.470155	1.341575	.0403252
#1	.2614878	9.467751	.5120456	.0715153	700.6093	.2934113	.5950194
#2	.2635404	9.458826	.5129321	.0724694	699.1628	.2929523	.5949632
#3	.2623412	9.565163	.5155851	.0712103	717.8163	.3000359	.5954041
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.35314	.2854390	.4124839	.6646382	.1882469	4.080484	9.552096
Stddev	.20116	.0050866	.0006019	.0027300	.0003435	.032750	.036427
%RSD	1.401539	1.782017	.1459113	.4107544	.1824560	.8026064	.3813459
#1	14.39513	.2825448	.4119345	.6631554	.1885407	4.082083	9.567126
#2	14.53000	.2824599	.4123902	.6629705	.1878693	4.112405	9.510560
#3	14.13430	.2913122	.4131272	.6677888	.1883308	4.046963	9.578603

Sample Name: Q3385-05 Acquired: 10/23/2025 17:51:08 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	8.072229	.1793587	.3214505
Stddev	.049579	.0023652	.0009091
%RSD	.6141894	1.318708	.2828193
#1	8.105405	.1790221	.3217823
#2	8.015236	.1771798	.3204220
#3	8.096046	.1818742	.3221470

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6116.552	83309.61	5714.005	4690.461	6398.943
Stddev	15.895	262.60	85.563	11.568	23.549
%RSD	.2598758	.3152072	1.497418	.2466383	.3680217
#1	6127.910	83608.49	5762.039	4700.763	6418.519
#2	6123.358	83204.48	5764.758	4692.673	6405.500
#3	6098.386	83115.88	5615.219	4677.945	6372.810

Sample Name: Q3385-06 Acquired: 10/23/2025 17:55:16 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8774984	1.785865	1.035984	2.176852	.8446116	2.088050	.2230729
Stddev	.0033949	.025557	.000789	.008198	.0032024	.014337	.0003469
%RSD	.3868786	1.431059	.0761507	.3766173	.3791558	.6866317	.1555168

#1	.8779900	1.815254	1.036465	2.184458	.8431652	2.104355	.2233283
#2	.8738845	1.773483	1.035074	2.168168	.8423876	2.082382	.2226779
#3	.8806206	1.768857	1.036415	2.177930	.8482821	2.077413	.2232125

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1951691	.2195069	33.39453	.4171805	.2171114	.4843499	3.597866
Stddev	.0016991	.0000689	.08943	.0003485	.0007060	.0007862	.040992
%RSD	.8705597	.0313850	.2677865	.0835330	.3251534	.1623256	1.139351

#1	.1970751	.2194821	33.41685	.4169958	.2178374	.4850893	3.557195
#2	.1946186	.2195848	33.29606	.4169632	.2164273	.4835240	3.597230
#3	.1938135	.2194539	33.47069	.4175824	.2170694	.4844366	3.639173

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2657290	9.751466	.5490195	.0763141	700.6099	.3122560	.5971432
Stddev	.0014037	.038253	.0021368	.0004671	14.9068	.0053266	.0063690
%RSD	.5282261	.3922791	.3892089	.6120718	2.127692	1.705858	1.066569

#1	.2645420	9.724679	.5505275	.0763208	689.9846	.3061132	.6041504
#2	.2653667	9.795275	.5465742	.0767778	694.1948	.3155963	.5955730
#3	.2672783	9.734443	.5499568	.0758437	717.6504	.3150586	.5917063

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.10432	.3033439	.4391948	.7405325	.2007124	4.042032	9.901250
Stddev	.14205	.0036073	.0016117	.0003041	.0012346	.027532	.023765
%RSD	.9404586	1.189176	.3669744	.0410673	.6150978	.6811462	.2400226

#1	15.02990	.3074366	.4400915	.7406120	.1995403	4.035845	9.921771
#2	15.01494	.3019681	.4373342	.7401965	.2005956	4.018120	9.875211
#3	15.26812	.3006270	.4401588	.7407889	.2020012	4.072131	9.906767

Sample Name: Q3385-06 Acquired: 10/23/2025 17:55:16 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	8.359639	.1880036	.3074124
Stddev	.034451	.0018435	.0002059
%RSD	.4121128	.9805487	.0669945
#1	8.361758	.1868804	.3071867
#2	8.324177	.1869992	.3075901
#3	8.392982	.1901311	.3074605

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6078.952	83791.57	5740.236	4661.349	6360.648
Stddev	8.142	389.22	38.860	33.573	9.065
%RSD	.1339339	.4645102	.6769690	.7202521	.1425111
#1	6069.552	83527.09	5696.017	4622.717	6351.531
#2	6083.481	84238.50	5768.945	4677.862	6360.753
#3	6083.822	83609.11	5755.746	4683.467	6369.660

Sample Name: Q3385-04A Acquired: 10/23/2025 17:59:24 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8896717	1.754092	1.044731	2.214043	.8575272	2.100558	.2264733
Stddev	.0072891	.024296	.003020	.010037	.0038752	.012952	.0014299
%RSD	.8192964	1.385103	.2890979	.4533148	.4519014	.6165775	.6313767

#1	.8824430	1.728463	1.043948	2.206782	.8530885	2.089124	.2248358
#2	.8895525	1.776788	1.048066	2.209850	.8592563	2.097926	.2274749
#3	.8970196	1.757024	1.042180	2.225496	.8602369	2.114623	.2271093

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1970280	.2204300	31.10404	.4087494	.2178245	.4705215	3.684982
Stddev	.0011132	.0005221	.12032	.0014161	.0004968	.0009723	.022600
%RSD	.5649967	.2368378	.3868407	.3464586	.2280728	.2066398	.6133130

#1	.1977635	.2198316	30.98257	.4086132	.2172840	.4695305	3.666945
#2	.1957473	.2206665	31.10637	.4074063	.2179283	.4705599	3.677668
#3	.1975732	.2207920	31.22318	.4102287	.2182611	.4714740	3.710334

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2662997	9.554164	.5516050	.0779483	726.6668	.3145027	.6040290
Stddev	.0022910	.008799	.0015335	.0002270	4.6043	.0044434	.0265247
%RSD	.8603138	.0921006	.2780090	.2912467	.6336143	1.412838	4.391297

#1	.2653490	9.564190	.5498511	.0782104	730.9675	.3185952	.6346406
#2	.2646371	9.550575	.5526930	.0778203	721.8096	.3151365	.5878530
#3	.2689130	9.547726	.5522709	.0778141	727.2233	.3097765	.5895933

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.38336	.3132432	.4342340	.7582371	.2010042	4.049684	9.976665
Stddev	.14768	.0016310	.0015100	.0026423	.0026534	.032606	.026637
%RSD	.9599894	.5206749	.3477484	.3484740	1.320071	.8051527	.2669898

#1	15.21457	.3150807	.4324937	.7553608	.1979436	4.012676	9.946140
#2	15.48878	.3119669	.4350094	.7587937	.2024116	4.074185	9.995192
#3	15.44671	.3126819	.4351987	.7605567	.2026574	4.062191	9.988665

Sample Name: Q3385-04A Acquired: 10/23/2025 17:59:24 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	8.283062	.1979267	.3030963
Stddev	.043766	.0018774	.0018656
%RSD	.5283831	.9485412	.6155024
#1	8.241323	.1959553	.3011253
#2	8.279254	.1996933	.3033289
#3	8.328607	.1981315	.3048346

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6079.803	82526.22	5754.374	4646.524	6327.267
Stddev	13.331	446.03	54.626	36.116	15.272
%RSD	.2192708	.5404716	.9492901	.7772645	.2413677
#1	6084.293	82794.27	5748.321	4659.783	6332.286
#2	6064.806	82773.06	5811.774	4674.136	6310.117
#3	6090.309	82011.34	5703.027	4605.653	6339.397

Sample Name: Q3412-01 Acquired: 10/23/2025 18:03:32 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0689966	-.002097	1.465894	-.008740	-.014697	145.9123
Stddev	.0012404	.002697	.004571	.001482	.000316	.2080
%RSD	1.797780	128.5981	.3118133	16.95314	2.147754	.1425584

#1	.0701693	-.005212	1.465563	-.007431	-.014381	145.9517
#2	.0676981	-.000571	1.461497	-.010349	-.015012	145.6874
#3	.0691223	-.000510	1.470621	-.008441	-.014697	146.0978

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.126032	.0227068	.0045895	37.68975	.2077377	.1917928
Stddev	.002589	.0002548	.0002078	.10811	.0002020	.0003544
%RSD	.2299604	1.122136	4.527490	.2868362	.0972557	.1847763

#1	1.128476	.0226282	.0043778	37.81216	.2079494	.1915813
#2	1.126300	.0225005	.0045976	37.64973	.2075470	.1915951
#3	1.123319	.0229916	.0047931	37.60736	.2077166	.1922019

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6216943	335.0159	8.421562	71.70882	.3976026	-.011277
Stddev	.0011241	1.2090	.028279	.17568	.0011030	.000817
%RSD	.1808134	.3608785	.3357976	.2449865	.2774018	7.242674

#1	.6229324	335.2392	8.443441	71.91085	.3971172	-.010931
#2	.6214125	336.0978	8.431615	71.62359	.3968255	-.010690
#3	.6207378	333.7109	8.389630	71.59202	.3988650	-.012210

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.69387	.3790925	.9439447	24.30163	.0947121	.0066556
Stddev	.07337	.0072343	.0007309	.11102	.0084602	.0001213
%RSD	.6273834	1.908324	.0774345	.4568531	8.932525	1.822418

#1	11.66418	.3754602	.9437173	24.29304	.0850816	.0067697
#2	11.77743	.3874233	.9447623	24.41669	.0981079	.0065282
#3	11.64000	.3743942	.9433545	24.19514	.1009467	.0066688

Sample Name: Q3412-01 Acquired: 10/23/2025 18:03:32 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4206667	5.142651	7.841323	F 10.65815	.9426001	.3762786
Stddev	.0020409	.002647	.042248	.05468	.0079036	.0018169
%RSD	.4851640	.0514703	.5387930	.5130772	.8384848	.4828667

#1	.4183146	5.145180	7.792585	10.59555	.9370582	.3743123
#2	.4219698	5.142872	7.867528	10.69661	.9516505	.3766282
#3	.4217156	5.139900	7.863855	10.68230	.9390916	.3778953

Elem	Sr4077
Units	ppm
Avg	-.033518
Stddev	.000600
%RSD	1.788996

#1	-.033216
#2	-.034209
#3	-.033130

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8028.474	111811.8	7115.498	6289.894	6694.442
Stddev	11.153	458.5	8.294	13.546	10.341
%RSD	.1389150	.4100369	.1165685	.2153659	.1544759

#1	8019.262	111891.6	7111.874	6291.425	6699.481
#2	8040.873	111318.7	7109.632	6275.647	6701.299
#3	8025.286	112225.2	7124.988	6302.610	6682.548

Sample Name: Q3412-01DUP Acquired: 10/23/2025 18:07:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0704973	-.002547	1.455795	-.004998	-.016347	144.4782
Stddev	.0026482	.002536	.002878	.002288	.004076	.2103
%RSD	3.756492	99.57093	.1977244	45.76730	24.93400	.1455434
#1	.0711850	-.004489	1.458877	-.003357	-.018176	144.5589
#2	.0727339	.000322	1.453176	-.007611	-.011677	144.6362
#3	.0675731	-.003473	1.455331	-.004027	-.019188	144.2395
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.111670	.0225388	.0046049	37.48852	.2082246	.1925936
Stddev	.004472	.0000670	.0003213	.07349	.0002738	.0004878
%RSD	.4022335	.2973628	6.976461	.1960341	.1315074	.2532588
#1	1.107527	.0226128	.0049361	37.46988	.2085405	.1920821
#2	1.111074	.0224822	.0045840	37.56953	.2080775	.1926451
#3	1.116410	.0225214	.0042946	37.42614	.2080558	.1930535
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6237089	333.4944	8.330739	70.87442	.3991026	-.011080
Stddev	.0016721	3.7647	.012273	.07532	.0007374	.001316
%RSD	.2680929	1.128862	.1473174	.1062684	.1847527	11.87572
#1	.6254757	329.4231	8.324270	70.89108	.3985678	-.012222
#2	.6234999	334.2106	8.323054	70.94002	.3987963	-.011377
#3	.6221511	336.8496	8.344893	70.79217	.3999438	-.009641
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.44821	.3784458	.9389901	23.81588	.0861732	.0066152
Stddev	.15558	.0028351	.0022030	.28177	.0177313	.0002700
%RSD	1.489085	.7491374	.2346127	1.183113	20.57630	4.081763
#1	10.28762	.3805524	.9373224	23.50350	.0677626	.0063684
#2	10.45878	.3795627	.9381604	23.89331	.0876206	.0065736
#3	10.59825	.3752224	.9414875	24.05084	.1031364	.0069036

Sample Name: Q3412-01DUP Acquired: 10/23/2025 18:07:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4021156	5.102757	8.056132	F 10.67117	.9224520	.3628938
Stddev	.0024116	.008011	.084792	.06438	.0123476	.0008165
%RSD	.5997174	.1569982	1.052511	.6032613	1.338559	.2250115
#1	.4007711	5.101532	7.972058	10.67186	.9250401	.3619573
#2	.4006760	5.095428	8.141624	10.60645	.9090154	.3632671
#3	.4048997	5.111310	8.054713	10.73519	.9333003	.3634570

Elem	Sr4077
Units	ppm
Avg	-.035158
Stddev	.002920
%RSD	8.305705
#1	-.031789
#2	-.036717
#3	-.036967

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8010.448	111064.8	7099.548	6281.474	6684.623
Stddev	5.878	324.1	51.126	26.255	1.146
%RSD	.0733832	.2917855	.7201248	.4179725	.0171403
#1	8004.741	111415.0	7041.998	6291.589	6684.441
#2	8010.120	111003.9	7116.927	6301.167	6685.849
#3	8016.484	110775.6	7139.718	6251.666	6683.579

Sample Name: CCV06 Acquired: 10/23/2025 18:11:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.205684	4.661784	5.315220	5.190573	5.070388	10.22663
Stddev	.007463	.039359	.003804	.014731	.006173	.01887
%RSD	.1433619	.8442913	.0715738	.2837948	.1217523	.1845299

#1	5.201032	4.641254	5.314379	5.190469	5.077047	10.20793
#2	5.214292	4.707163	5.319374	5.205355	5.069262	10.22630
#3	5.201727	4.636934	5.311906	5.175894	5.064856	10.24566

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.02224	2.252454	2.669837	25.69186	9867608	2.613598
Stddev	.04879	.0037116	.001432	.10695	.0011816	.001303
%RSD	.4867787	1.469656	.0536301	.4162630	.1197444	.0498562

#1	9.96599	.2489995	2.669678	25.56838	.9879832	2.612666
#2	10.05306	.2522338	2.671341	25.75242	.9866744	2.615087
#3	10.04766	.2564029	2.668491	25.75478	.9856248	2.613041

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.308236	4.844588	2.534276	26.12288	2.632012	1.316550
Stddev	.002024	.048864	.015906	.14657	.001713	.002066
%RSD	.1546745	1.008622	.6276347	.5610710	.0650700	.1569213

#1	1.309267	4.853235	2.516563	26.05674	2.633953	1.318871
#2	1.309537	4.888550	2.547338	26.02105	2.630713	1.315863
#3	1.305905	4.791977	2.538927	26.29087	2.631371	1.314914

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.79038	2.558686	2.630712	25.26040	F 5.665947	5.153742
Stddev	.24090	.011556	.009459	.15423	.078640	.004552
%RSD	1.012611	.4516382	.3595424	.6105496	1.387938	.0883155

#1	23.83831	2.547166	2.632428	25.28063	5.595854	5.153019
#2	24.00372	2.570278	2.639194	25.40351	5.651000	5.158612
#3	23.52912	2.558615	2.620512	25.09705	5.750988	5.149596

Sample Name: CCV06 Acquired: 10/23/2025 18:11:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.296165	5.028120	4.821742	5.443368	5.138184	4.823940
Stddev	.003898	.024345	.037572	.012585	.012311	.035082
%RSD	.0736012	.4841693	.7792144	.2311904	.2396038	.7272543

#1	5.295102	5.004209	4.825466	5.431810	5.128201	4.784282
#2	5.300484	5.052876	4.857314	5.456775	5.151940	4.836616
#3	5.292909	5.027275	4.782448	5.441518	5.134410	4.850923

Elem	Sr4077
Units	ppm
Avg	5.091868
Stddev	.118372
%RSD	2.324728

#1	4.957486
#2	5.137421
#3	5.180696

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6647.258	92997.03	5772.859	5134.768	7148.935
Stddev	7.132	326.21	75.526	29.833	5.116
%RSD	.1072879	.3507703	1.308286	.5810049	.0715664

#1	6644.322	93019.12	5850.648	5124.313	7145.273
#2	6642.063	92660.34	5768.108	5111.570	7146.751
#3	6655.389	93311.63	5699.821	5168.422	7154.781

Sample Name: CCB06 Acquired: 10/23/2025 18:15:36 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000419	.0024792	.0005513	-.003244	.0000752	-.006732
Stddev	.001580	.0022410	.0010478	.001766	.0009273	.003343
%RSD	377.5289	90.39270	190.0391	54.42263	1233.661	49.66447

#1	-.001478	.0008339	.0016934	-.005282	.0002618	-.009349
#2	.001398	.0050315	.0003262	-.002262	-.000931	-.002966
#3	-.001176	.0015722	-.000366	-.002188	.000895	-.007880

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078569	.0001509	-.000072	.0061812	.0002290	.0000015
Stddev	.0025075	.0000276	.000059	.0209025	.0001840	.0001755
%RSD	31.91462	18.28916	81.90789	338.1630	80.35999	11513.52

#1	.0054965	.0001238	-.000139	.0259125	.0000225	.0001656
#2	.0075848	.0001790	-.000042	-.015723	.0003754	.0000225
#3	.0104893	.0001499	-.000034	.008354	.0002890	-.000184

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000171	-.007313	-.000006	-.018693	-.000113	.0003505
Stddev	.000204	.003255	.000750	.020464	.000124	.0003317
%RSD	119.3418	44.50676	11730.17	109.4737	110.4229	94.65655

#1	-.000379	-.004384	.000529	-.031901	.000001	.0007028
#2	.000028	-.006737	.000315	.004880	-.000093	.0003044
#3	-.000161	-.010816	-.000864	-.029058	-.000245	.0000442

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6906419	-.007119	-.000263	.7845548	-.001828	.0003056
Stddev	.0531995	.001184	.000112	.1138553	.000430	.0002508
%RSD	7.702908	16.63714	42.80992	14.51208	23.53523	82.06051

#1	.6574737	-.007011	-.000312	.6679849	-.002317	.0005797
#2	.6624478	-.008354	-.000342	.7901936	-.001508	.0002493
#3	.7520042	-.005992	-.000134	.8954859	-.001658	.0000878

Sample Name: CCB06 Acquired: 10/23/2025 18:15:36 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004380	-.001120	.0111478	-.002741	F .0115912	F .0128241
Stddev	.000398	.001607	.0169402	.000217	.0012948	.0012229
%RSD	9.078514	143.5318	151.9601	7.931164	11.17066	9.535633
#1	-.004392	.000512	.0127067	-.002776	.0113265	.0121107
#2	-.003977	-.002701	-.006518	-.002508	.0104492	.0142361
#3	-.004772	-.001171	.027255	-.002938	.0129979	.0121255
Elem	Sr4077					
Units	ppm					
Avg	-.000026					
Stddev	.000142					
%RSD	547.0062					
#1	.000132					
#2	-.000142					
#3	-.000068					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	6975.086	97566.40	6015.920	5324.583	8405.442	
Stddev	13.398	1162.77	26.459	55.417	14.548	
%RSD	.1920883	1.191772	.4398200	1.040786	.1730807	
#1	6961.752	96994.68	5992.618	5288.837	8391.541	
#2	6974.957	98904.34	6044.684	5388.420	8404.225	
#3	6988.548	96800.17	6010.459	5296.490	8420.561	

Sample Name: Q3412-01LX5 Acquired: 10/23/2025 18:19:51 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0149012	.0046853	.2461186	.0001417	-.005026	31.85092	.2533969
Stddev	.0011913	.0020813	.0003493	.0018370	.002002	.11543	.0022149
%RSD	7.994779	44.42217	.1419084	1296.517	39.84564	.3624067	.8740655

#1	.0136255	.0046959	.2457932	-.000595	-.002771	31.72239	.2513927
#2	.0150933	.0025987	.2460749	.002233	-.005707	31.88461	.2557749
#3	.0159848	.0067613	.2464876	-.001212	-.006598	31.94575	.2530231

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050905	-.000120	8.572625	.0484306	.0347213	.1478993	71.14363
Stddev	.0000535	.000015	.023827	.0002344	.0002225	.0006840	.50766
%RSD	1.050478	12.12458	.2779398	.4840284	.6409591	.4624397	.7135752

#1	.0051216	-.000112	8.545945	.0481919	.0349730	.1477954	71.13820
#2	.0051211	-.000137	8.580150	.0486605	.0346406	.1486292	70.63870
#3	.0050287	-.000112	8.591781	.0484393	.0345504	.1472732	71.65398

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.940869	15.81922	.0718660	-.002912	2.457721	.0850525	.2102689
Stddev	.005258	.01653	.0003460	.000379	.021202	.0016828	.0006701
%RSD	.2709004	.1044885	.4814124	12.99917	.8626826	1.978501	.3186671

#1	1.934800	15.80477	.0718649	-.003256	2.437205	.0849804	.2102884
#2	1.944075	15.83725	.0722125	-.002974	2.456409	.0834070	.2109289
#3	1.943729	15.81565	.0715206	-.002506	2.479549	.0867702	.2095892

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.272351	.0072867	.0012622	.0324156	1.083144	.8022573	1.898111
Stddev	.109836	.0010916	.0001794	.0005001	.004533	.0106628	.005685
%RSD	2.083246	14.98109	14.21269	1.542843	.4185348	1.329095	.2995342

#1	5.320764	.0081983	.0012115	.0319463	1.078831	.8102367	1.903306
#2	5.146625	.0060770	.0011136	.0329417	1.082731	.7901472	1.898990
#3	5.349663	.0075848	.0014615	.0323590	1.087870	.8063881	1.892037

Sample Name: Q3412-01LX5 Acquired: 10/23/2025 18:19:51 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1704134	.0833835	-.004952
Stddev	.0019180	.0015206	.000660
%RSD	1.125505	1.823584	13.32099
#1	.1726275	.0837321	-.005243
#2	.1692628	.0817189	-.004197
#3	.1693498	.0846995	-.005417

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7191.491	100420.4	6185.966	5580.779	7662.968
Stddev	12.909	637.7	19.819	12.071	13.461
%RSD	.1795017	.6350376	.3203879	.2162900	.1756615
#1	7187.803	100256.2	6208.711	5566.861	7656.842
#2	7180.828	101124.1	6176.781	5588.389	7653.659
#3	7205.843	99880.8	6172.406	5587.086	7678.402

Sample Name: Q3412-01MS Acquired: 10/23/2025 18:23:55 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6329658	1.575114	1.596629	1.343095	.2286032	147.7897
Stddev	.0026379	.005697	.007768	.002287	.0020037	.4161
%RSD	.4167579	.3616603	.4865383	.1702713	.8764728	.2815170
#1	.6355002	1.580263	1.599071	1.345720	.2308817	148.2699
#2	.6302353	1.568995	1.602883	1.341537	.2271164	147.5612
#3	.6331621	1.576084	1.587933	1.342028	.2278115	147.5380
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.175315	.1613457	.1906745	34.62557	.4749628	.3511125
Stddev	.004757	.0008094	.0006559	.08848	.0018096	.0004718
%RSD	.4047417	.5016316	.3440125	.2555403	.3810017	.1343828
#1	1.179288	.1610496	.1914088	34.72556	.4766133	.3513469
#2	1.170044	.1607260	.1904684	34.55740	.4752473	.3514213
#3	1.176612	.1622614	.1901464	34.59374	.4730278	.3505694
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7388585	282.7124	7.694146	71.29715	.8166434	.0459224
Stddev	.0011164	1.5486	.026631	.19011	.0024505	.0006939
%RSD	.1511022	.5477608	.3461246	.2666427	.3000658	1.511067
#1	.7394891	282.8854	7.722566	71.48396	.8188115	.0451683
#2	.7375694	284.1672	7.669765	71.10391	.8171339	.0465340
#3	.7395168	281.0845	7.690106	71.30359	.8139848	.0460649
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.86097	.5551171	1.020524	31.21205	.2566038	.2779492
Stddev	.09665	.0062579	.001069	.22954	.0140344	.0005514
%RSD	.8148687	1.127314	.1047479	.7354115	5.469302	.1983833
#1	11.87705	.5595702	1.019302	31.24628	.2678508	.2785858
#2	11.94857	.5479621	1.021286	31.42254	.2610844	.2776202
#3	11.75729	.5578188	1.020985	30.96731	.2408761	.2776416

Sample Name: Q3412-01MS Acquired: 10/23/2025 18:23:55 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6625748	4.491652	3.540618	F 14.89788	.7881516	.5047377
Stddev	.0018061	.016299	.024092	.06732	.0048222	.0030340
%RSD	.2725874	.3628681	.6804430	.4518551	.6118346	.6011006

#1	.6646191	4.510313	3.549786	14.96359	.7933900	.5059860
#2	.6619097	4.480209	3.558781	14.90099	.7871674	.5012786
#3	.6611955	4.484434	3.513289	14.82906	.7838975	.5069483

Elem	Sr4077
Units	ppm
Avg	.1273390
Stddev	.0026736
%RSD	2.099565

#1	.1285836
#2	.1242701
#3	.1291635

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7855.380	110012.5	6906.762	6215.093	6675.162
Stddev	18.985	509.1	37.657	19.330	19.266
%RSD	.2416813	.4627856	.5452199	.3110159	.2886229

#1	7837.148	109722.1	6873.556	6206.975	6652.957
#2	7875.038	109715.0	6947.677	6201.146	6687.440
#3	7853.954	110600.4	6899.054	6237.158	6685.088

Sample Name: Q3412-01MSD Acquired: 10/23/2025 18:27:51 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6532043	1.702200	1.833089	1.367813	.2515180	153.7174
Stddev	.0033960	.002500	.005183	.002458	.0034331	.3125
%RSD	.5199023	.1468964	.2827548	.1797046	1.364932	.2033014

#1	.6556336	1.704569	1.836838	1.370365	.2554817	153.5089
#2	.6546555	1.702444	1.835255	1.365461	.2494843	153.5666
#3	.6493237	1.699586	1.827174	1.367612	.2495880	154.0768

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.341180	.1691409	.2027731	64.68712	.4982591	.3804887
Stddev	.002899	.0010610	.0004533	.11775	.0015425	.0006598
%RSD	.2161475	.6273025	.2235707	.1820244	.3095861	.1734040

#1	1.338960	.1679169	.2028949	64.56209	.4968762	.3805174
#2	1.344460	.1697064	.2031530	64.70339	.4979783	.3811337
#3	1.340122	.1697994	.2022713	64.79589	.4999227	.3798151

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8619823	301.4789	8.785561	71.95878	.8682574	.0446360
Stddev	.0014083	1.5877	.021880	.25597	.0014834	.0009332
%RSD	.1633829	.5266290	.2490448	.3557193	.1708459	2.090663

#1	.8603565	303.2494	8.760675	71.85398	.8689366	.0455088
#2	.8628256	300.1818	8.801780	71.77184	.8692796	.0436523
#3	.8627649	301.0055	8.794228	72.25052	.8665560	.0447468

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.89300	.5875708	1.070585	30.35095	.2631960	.2920432
Stddev	.05253	.0005765	.004538	.10077	.0064487	.0006525
%RSD	.4416672	.0981102	.4238822	.3320039	2.450132	.2234359

#1	11.94915	.5882328	1.075476	30.46117	.2706313	.2917294
#2	11.88479	.5871796	1.069765	30.26356	.2598290	.2916068
#3	11.84507	.5872999	1.066512	30.32812	.2591279	.2927933

Sample Name: Q3412-01MSD Acquired: 10/23/2025 18:27:51 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7426615	4.984003	9.478371	F 17.58739	1.171228	.4963591
Stddev	.0022474	.003501	.068410	.07306	.004294	.0013472
%RSD	.3026138	.0702389	.7217464	.4153874	.3666429	.2714216

#1	.7419507	4.980061	9.550933	17.58818	1.175642	.4952975
#2	.7451784	4.985199	9.415054	17.66004	1.170978	.4978747
#3	.7408555	4.986750	9.469127	17.51394	1.167064	.4959052

Elem	Sr4077
Units	ppm
Avg	.2831421
Stddev	.0028413
%RSD	1.003480

#1	.2799673
#2	.2854462
#3	.2840127

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8105.034	112462.8	7090.269	6364.065	6584.541
Stddev	24.116	465.6	29.097	30.970	23.649
%RSD	.2975465	.4139691	.4103849	.4866425	.3591669

#1	8077.956	112081.9	7121.333	6333.899	6558.483
#2	8124.202	112981.8	7085.825	6395.781	6590.496
#3	8112.943	112324.7	7063.650	6362.514	6604.644

Sample Name: Q3412-01A Acquired: 10/23/2025 18:31:47 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7027505	1.707303	2.242027	1.568632	.6102198	141.0249
Stddev	.0005594	.032566	.001036	.002921	.0038508	.2244
%RSD	.0795970	1.907478	.0462046	.1862386	.6310551	.1591017

#1	.7031661	1.734775	2.242960	1.567589	.6094340	140.9001
#2	.7029707	1.671328	2.242210	1.566376	.6068224	141.2839
#3	.7021145	1.715805	2.240912	1.571932	.6144029	140.8907

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.233620	.1817874	.2122371	37.42386	.5158213	.3891855
Stddev	.011294	.0006859	.0002050	.08877	.0016467	.0010073
%RSD	.9154990	.3773014	.0965759	.2371941	.3192416	.2588135

#1	1.243669	.1824485	.2121098	37.52339	.5139200	.3891629
#2	1.235794	.1818344	.2121279	37.39527	.5167526	.3902039
#3	1.221397	.1810792	.2124736	37.35291	.5167913	.3881898

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8353366	313.1632	8.318716	69.35644	.8905707	.0477495
Stddev	.0007465	1.4475	.064867	.08389	.0006708	.0010407
%RSD	.0893629	.4622249	.7797688	.1209478	.0753241	2.179578

#1	.8361140	313.5473	8.382144	69.27884	.8911235	.0480185
#2	.8346254	314.3800	8.321504	69.44544	.8907642	.0486293
#3	.8352705	311.5624	8.252500	69.34502	.8898244	.0466006

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.11612	.6074172	1.062205	29.57061	.3020132	.3308592
Stddev	.08849	.0012894	.000669	.14536	.0045658	.0002624
%RSD	.7960363	.2122734	.0629382	.4915683	1.511779	.0793070

#1	11.16639	.6089052	1.062955	29.52004	.2969848	.3306158
#2	11.16803	.6066303	1.061673	29.73450	.3058995	.3311372
#3	11.01395	.6067161	1.061987	29.45729	.3031553	.3308247

Sample Name: Q3412-01A Acquired: 10/23/2025 18:31:47 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9174744	5.096286	8.770248	F 16.23675	.8782223	.4913987
Stddev	.0025788	.038660	.043031	.03078	.0009500	.0029443
%RSD	.2810771	.7585846	.4906519	.1895757	.1081710	.5991736

#1	.9153886	5.136397	8.793260	16.26978	.8790184	.4946749
#2	.9203577	5.093199	8.720603	16.23161	.8771707	.4905470
#3	.9166767	5.059262	8.796880	16.20887	.8784778	.4889740

Elem	Sr4077
Units	ppm
Avg	.1257381
Stddev	.0025688
%RSD	2.042992

#1	.1286166
#2	.1249191
#3	.1236787

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7909.957	110239.9	6933.284	6124.843	6672.887
Stddev	10.152	1051.7	39.638	30.445	12.481
%RSD	.1283504	.9540557	.5717036	.4970740	.1870342

#1	7898.541	111334.5	6966.009	6159.931	6662.272
#2	7913.355	109237.1	6889.209	6105.412	6669.755
#3	7917.974	110148.0	6944.633	6109.188	6686.636

Sample Name: PB170224BL Acquired: 10/23/2025 18:35:43 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008471	.0005005	.0002921	.0013686	.0016278	-.013859	.0062810
Stddev	.0026494	.0017659	.0010940	.0015171	.0020770	.004597	.0020779
%RSD	312.7459	352.8342	374.5673	110.8448	127.5987	33.17119	33.08242
#1	.0021200	.0007885	-.000830	.0022086	.0038734	-.008844	.0038864
#2	.0026199	.0021046	.000350	-.000383	-.000224	-.017874	.0076087
#3	-.002198	-.001392	.001356	.002280	.001234	-.014858	.0073479
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000633	-.000092	-.005404	-.000064	-.000034	-.000248	.0012182
Stddev	.0000292	.000030	.011275	.000135	.000071	.000383	.0061085
%RSD	46.21804	32.53098	208.6312	209.7729	207.2846	154.7681	501.4446
#1	.0000969	-.000110	-.018413	.000083	-.000114	-.000183	.0029753
#2	.0000442	-.000058	.001544	-.000095	.000024	.000099	-.005576
#3	.0000487	-.000110	.000656	-.000181	-.000013	-.000659	.006256
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000452	-.024436	.0001275	-.000064	.2691869	-.001872	-.000071
Stddev	.000632	.022065	.0003442	.000306	.0435132	.000429	.000021
%RSD	139.8421	90.29635	269.9312	477.7523	16.16468	22.93947	29.95185
#1	.000148	-.041671	.0000350	.000227	.2194509	-.001818	-.000052
#2	-.000391	-.032070	.0005084	-.000382	.2878790	-.002326	-.000094
#3	-.001112	.000432	-.000161	-.000037	.3002309	-.001472	-.000067
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3576516	-.008319	.0000676	-.004803	-.003286	.0193920	-.003246
Stddev	.0837574	.000824	.0002118	.000183	.001216	.0025367	.001362
%RSD	23.41872	9.905778	313.1784	3.799691	37.02162	13.08109	41.94435
#1	.2992748	-.007382	.0001041	-.004659	-.004028	.0175828	-.003498
#2	.3200612	-.008643	-.000160	-.005008	-.001882	.0222916	-.001776
#3	.4536189	-.008931	.000259	-.004743	-.003948	.0183017	-.004464

Sample Name: PB170224BL Acquired: 10/23/2025 18:35:43 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0073908	.0050461	.0000119
Stddev	.0028554	.0013935	.0001699
%RSD	38.63499	27.61597	1429.135

#1	.0106658	.0044708	.0001856
#2	.0054230	.0040323	.0000041
#3	.0060836	.0066351	-.000154

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6895.003	95935.72	5925.036	5216.027	8344.983
Stddev	8.470	144.76	58.180	18.280	18.162
%RSD	.1228430	.1508911	.9819401	.3504503	.2176455

#1	6892.781	96062.65	5982.040	5227.209	8332.567
#2	6887.866	95778.06	5927.321	5225.939	8336.553
#3	6904.363	95966.44	5865.747	5194.932	8365.829

Sample Name: PB170224BS Acquired: 10/23/2025 18:39:57 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7188654	1.646307	.8792065	1.815714	.7239071	1.728760
Stddev	.0020137	.056509	.0012152	.004483	.0005973	.023043
%RSD	.2801284	3.432468	.1382151	.2468842	.0825114	1.332901

#1	.7211777	1.584974	.8787746	1.814542	.7239946	1.749815
#2	.7174966	1.696261	.8782662	1.820667	.7232708	1.704144
#3	.7179220	1.657685	.8805786	1.811935	.7244557	1.732320

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1740121	.1804073	.1757017	.9246349	.3471271	.1766742
Stddev	.0024076	.0016709	.0001121	.0102218	.0028109	.0001442
%RSD	1.383600	.9261912	.0638026	1.105495	.8097606	.0816081

#1	.1760139	.1812960	.1757847	.9225805	.3481827	.1767947
#2	.1746821	.1814461	.1757462	.9357279	.3439412	.1765145
#3	.1713405	.1784799	.1755742	.9155964	.3492574	.1767133

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2821979	2.486866	.1798367	1.849629	.4447459	.0656656
Stddev	.0006073	.043268	.0011783	.016095	.0008024	.0004385
%RSD	.2152212	1.739859	.6552029	.8701811	.1804152	.6677282

#1	.2828959	2.524144	.1810168	1.840178	.4452084	.0661561
#2	.2817901	2.439420	.1786602	1.868213	.4438194	.0653116
#3	.2819077	2.497035	.1798333	1.840497	.4452100	.0655292

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.501905	.2613379	.1838395	8.411973	.2834373	.3624318
Stddev	.065188	.0010858	.0012991	.171034	.0031690	.0002386
%RSD	2.605523	.4154708	.7066645	2.033225	1.118068	.0658276

#1	2.492908	.2621863	.1841329	8.453786	.2840504	.3626014
#2	2.441683	.2617131	.1824188	8.223909	.2862550	.3625349
#3	2.571124	.2601143	.1849669	8.558223	.2800066	.3621589

Sample Name: PB170224BS Acquired: 10/23/2025 18:39:57 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6214608	.1717013	F .7386581	5.249057	F .0043452	.1710771
Stddev	.0003549	.0028813	.0236477	.017384	.0011807	.0030866
%RSD	.0571011	1.678103	3.201438	.3311751	27.17307	1.804237

#1	.6218665	.1748799	.7563744	5.237714	.0056599	.1732439
#2	.6212080	.1709631	.7118051	5.269071	.0033752	.1724445
#3	.6213078	.1692609	.7477947	5.240388	.0040004	.1675430

Elem	Sr4077
Units	ppm
Avg	.1698127
Stddev	.0020430
%RSD	1.203109

#1	.1721124
#2	.1682072
#3	.1691186

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7309.947	102950.7	6199.997	5704.472	8432.942
Stddev	12.400	660.1	46.448	43.017	13.483
%RSD	.1696283	.6411353	.7491660	.7540865	.1598794

#1	7300.565	102774.6	6175.593	5668.287	8430.294
#2	7324.005	103680.9	6170.838	5752.034	8447.552
#3	7305.271	102396.6	6253.561	5693.097	8420.980

Sample Name: Q3427-01 Acquired: 10/23/2025 18:43:58 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494427	.0039383	.4629460	-.006220	-.024383	146.1930	1.284153
Stddev	.0022810	.0040339	.0016786	.002378	.002148	.2825	.007188
%RSD	4.613328	102.4285	.3626001	38.22397	8.810646	.1932259	.5597213
#1	.0484753	.0079726	.4641374	-.008927	-.025655	146.3466	1.292338
#2	.0520480	-.000095	.4636744	-.005261	-.025591	146.3653	1.281254
#3	.0478049	.003937	.4610262	-.004472	-.021903	145.8669	1.278868
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0214198	.0059455	60.10161	.2385552	.1910605	1.229314	321.8059
Stddev	.0000887	.0000951	.12974	.0005689	.0004050	.000913	1.0979
%RSD	.4141206	1.600050	.2158696	.2384805	.2119650	.0742604	.3411689
#1	.0213510	.0058730	60.10299	.2387588	.1906783	1.228264	322.3552
#2	.0215199	.0060532	60.23066	.2379126	.1914849	1.229759	320.5417
#3	.0213885	.0059104	59.97119	.2389944	.1910182	1.229919	322.5207
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.13620	84.24989	.4150135	-.010117	24.92771	.3870286	1.149469
Stddev	.04093	.24530	.0010011	.000309	.16910	.0033125	.001875
%RSD	.2138714	.2911539	.2412287	3.052180	.6783622	.8558816	.1631103
#1	19.18220	83.96810	.4141395	-.010468	25.08651	.3884951	1.151369
#2	19.12258	84.41559	.4147951	-.009887	24.74992	.3893548	1.149416
#3	19.10382	84.36599	.4161058	-.009996	24.94670	.3832360	1.147620
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.12247	.1200332	.0048672	.0705889	4.631633	6.458641	8.546276
Stddev	.19675	.0055346	.0001888	.0002221	.014998	.031874	.026353
%RSD	.6755818	4.610921	3.878086	.3146354	.3238121	.4935086	.3083536
#1	29.30952	.1202712	.0048519	.0708423	4.641997	6.495329	8.517220
#2	28.91729	.1143833	.0046865	.0704282	4.614436	6.437762	8.568633
#3	29.14061	.1254449	.0050631	.0704962	4.638468	6.442831	8.552974

Sample Name: Q3427-01 Acquired: 10/23/2025 18:43:58 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.103340	.4512591	-.032762
Stddev	.009550	.0007267	.000887
%RSD	.8655191	.1610300	2.706643

#1	1.097578	.4505281	-.032286
#2	1.114364	.4512679	-.032214
#3	1.098079	.4519813	-.033785

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8062.095	111099.4	7077.176	6268.235	6717.353
Stddev	13.063	256.6	24.040	14.084	12.473
%RSD	.1620287	.2309478	.3396902	.2246871	.1856806

#1	8077.177	111378.6	7099.569	6277.590	6730.648
#2	8054.722	111045.7	7051.772	6275.078	6705.908
#3	8054.385	110873.9	7080.188	6252.037	6715.504

Sample Name: Q3431-01 Acquired: 10/23/2025 18:47:57 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0553223	-.009064	.2423884	-.002596	-.019539	133.7984
Stddev	.0019603	.001084	.0022510	.001129	.001822	.0998
%RSD	3.543460	11.95729	.9286667	43.48205	9.326893	.0745987
#1	.0544852	-.010021	.2443015	-.001760	-.019758	133.6917
#2	.0575622	-.009285	.2429555	-.003880	-.017617	133.8895
#3	.0539196	-.007887	.2399080	-.002149	-.021242	133.8139
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5249194	.0152435	.0055880	49.32478	.1982816	.1513171
Stddev	.0014596	.0000880	.0002107	.07243	.0007628	.0001264
%RSD	.2780544	.5771138	3.771327	.1468458	.3847193	.0835013
#1	.5263395	.0151552	.0053663	49.30343	.1974104	.1513706
#2	.5249953	.0152441	.0056121	49.40548	.1988294	.1511727
#3	.5234233	.0153312	.0057857	49.26542	.1986051	.1514078
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4365574	244.9257	3.718243	63.56460	.2475149	-.011028
Stddev	.0009702	1.0990	.009849	.12839	.0003181	.000538
%RSD	.2222363	.4486893	.2648724	.2019778	.1285005	4.878026
#1	.4362053	245.7553	3.726518	63.41637	.2477386	-.010509
#2	.4376545	245.3426	3.720860	63.63676	.2471508	-.010993
#3	.4358125	243.6794	3.707350	63.64067	.2476554	-.011583
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.490952	.4939602	.5323167	17.06591	.0200599	.0143081
Stddev	.008498	.0020418	.0021272	.14728	.0070424	.0004142
%RSD	.1892165	.4133433	.3996170	.8629824	35.10680	2.895051
#1	4.498365	.4917280	.5335791	17.20278	.0275577	.0144928
#2	4.492813	.4957334	.5298607	17.08487	.0190371	.0145978
#3	4.481678	.4944193	.5335103	16.91007	.0135848	.0138336

Sample Name: Q3431-01 Acquired: 10/23/2025 18:47:57 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069388	6.265531	5.981393	F 11.50224	7.147995	.2411354
Stddev	.0004107	.025959	.059295	.06162	.058233	.0022936
%RSD	5.919203	.4143095	.9913191	.5357083	.8146806	.9511771

#1	.0074099	6.272247	5.993963	11.53767	7.146631	.2387124
#2	.0066558	6.287472	6.033395	11.53796	7.206898	.2414206
#3	.0067506	6.236874	5.916821	11.43109	7.090456	.2432730

Elem	Sr4077
Units	ppm
Avg	-.097785
Stddev	.000602
%RSD	.6157434

#1	-.098223
#2	-.098035
#3	-.097099

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8742.690	122057.4	7756.279	6932.118	7018.860
Stddev	21.794	552.5	44.986	10.184	17.423
%RSD	.2492772	.4526879	.5799945	.1469035	.2482246

#1	8739.857	122563.4	7806.916	6928.371	7018.957
#2	8722.452	121467.9	7720.926	6943.644	7001.388
#3	8765.762	122140.9	7740.997	6924.339	7036.233

Sample Name: Q3431-01DUP Acquired: 10/23/2025 18:51:56 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0476860	-.006242	.2643250	-.004245	-.017612	122.8559
Stddev	.0020475	.000205	.0015360	.000455	.001271	.1241
%RSD	4.293751	3.289696	.5811014	10.72508	7.219441	.1010201
#1	.0460964	-.006042	.2642702	-.004767	-.019018	122.7227
#2	.0499965	-.006231	.2628172	-.004036	-.016544	122.9682
#3	.0469652	-.006452	.2658877	-.003931	-.017273	122.8768
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4875883	.0143450	.0046686	44.32639	.1910529	.1364625
Stddev	.0011797	.0000573	.0002166	.05351	.0002230	.0005573
%RSD	.2419400	.3995300	4.639097	.1207141	.1167124	.4084140
#1	.4876196	.0143101	.0045264	44.26915	.1908194	.1370176
#2	.4863933	.0144112	.0049179	44.33488	.1912636	.1359030
#3	.4887520	.0143138	.0045616	44.37515	.1910757	.1364670
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4455237	229.4777	3.508110	53.27128	.2207704	-.010777
Stddev	.0014838	2.1272	.010358	.09683	.0003275	.000877
%RSD	.3330421	.9269651	.2952674	.1817683	.1483413	8.134074
#1	.4441487	230.5959	3.514629	53.17404	.2205968	-.010612
#2	.4470964	227.0246	3.496166	53.27210	.2211481	-.011724
#3	.4453259	230.8125	3.513536	53.36769	.2205662	-.009995
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.869198	.4583288	.5012595	15.21759	-.014147	.0243216
Stddev	.037787	.0043026	.0014501	.12334	.009967	.0003821
%RSD	.9766098	.9387492	.2892867	.8105336	70.45317	1.571230
#1	3.878159	.4592546	.4998229	15.30860	-.002981	.0239779
#2	3.827736	.4536386	.5012328	15.07721	-.022144	.0242537
#3	3.901699	.4620930	.5027227	15.26696	-.017316	.0247331

Sample Name: Q3431-01DUP Acquired: 10/23/2025 18:51:56 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059466	6.019087	6.426590	F 10.65637	6.174701	.1615393
Stddev	.0004248	.005950	.064890	.04646	.044428	.0001671
%RSD	7.143153	.0988473	1.009706	.4360281	.7195127	.1034443
#1	.0056321	6.016097	6.477791	10.71001	6.225491	.1616565
#2	.0064298	6.015226	6.353614	10.63090	6.143054	.1613479
#3	.0057779	6.025939	6.448366	10.62822	6.155559	.1616134

Elem	Sr4077
Units	ppm
Avg	-.101804
Stddev	.001559
%RSD	1.530885
#1	-.102556
#2	-.100013
#3	-.102845

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8818.714	120713.3	7741.766	6750.137	7345.651
Stddev	28.789	387.3	47.710	33.308	20.231
%RSD	.3264572	.3208753	.6162712	.4934349	.2754131
#1	8843.052	120723.9	7787.972	6769.446	7360.081
#2	8826.157	121095.2	7692.682	6769.288	7354.345
#3	8786.935	120320.7	7744.644	6711.677	7322.526

Sample Name: Q343101LX5 Acquired: 10/23/2025 18:55:56 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0154398	.0029689	.0539951	-.002082	-.005072	37.34748	.1469954
Stddev	.0010294	.0013484	.0008651	.002548	.001789	.13091	.0017770
%RSD	6.667341	45.41783	1.602157	122.3858	35.27504	.3505196	1.208899
#1	.0160837	.0016145	.0546859	-.004952	-.004940	37.24407	.1467375
#2	.0159831	.0029808	.0542744	-.001205	-.006924	37.30369	.1453614
#3	.0142525	.0043112	.0530248	-.000088	-.003353	37.49467	.1488873
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043795	-.000045	14.03147	.0572668	.0327305	.1259563	67.21877
Stddev	.0000436	.000110	.07315	.0006782	.0005471	.0026026	.44458
%RSD	.9958157	245.5157	.5213587	1.184305	1.671490	2.066281	.6613854
#1	.0043644	.000079	13.94881	.0580488	.0332124	.1285987	66.70689
#2	.0043455	-.000132	14.05772	.0569109	.0328432	.1258749	67.44100
#3	.0044287	-.000082	14.08788	.0568405	.0321358	.1233954	67.50841
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.050353	18.16742	.0549348	-.002575	1.286335	.1369825	.1509676
Stddev	.003591	.04933	.0010507	.000115	.020200	.0033881	.0009121
%RSD	.3418398	.2715502	1.912624	4.477941	1.570316	2.473381	.6041659
#1	1.046305	18.14415	.0559397	-.002464	1.267641	.1342332	.1519329
#2	1.051603	18.22408	.0550210	-.002694	1.307762	.1359466	.1501201
#3	1.053152	18.13402	.0538437	-.002569	1.283602	.1407676	.1508500
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.707631	-.017325	.0038509	-.002227	1.749619	1.802483	2.463419
Stddev	.064845	.002012	.0000664	.000307	.007462	.051813	.048534
%RSD	1.377438	11.61409	1.725361	13.76991	.4264744	2.874546	1.970188
#1	4.684320	-.019536	.0039273	-.001960	1.746195	1.789835	2.516048
#2	4.657664	-.016837	.0038186	-.002159	1.744483	1.758165	2.453784
#3	4.780908	-.015601	.0038067	-.002562	1.758178	1.859450	2.420426

Sample Name: Q343101LX5 Acquired: 10/23/2025 18:55:56 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.519297	.0663905	-.026446
Stddev	.036763	.0037610	.000355
%RSD	2.419742	5.664913	1.340751

#1	1.560050	.0646992	-.026069
#2	1.509210	.0637721	-.026773
#3	1.488630	.0707002	-.026496

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7544.974	104815.9	6482.639	5790.820	7869.683
Stddev	12.572	178.8	22.967	27.356	9.847
%RSD	.1666302	.1705826	.3542790	.4724060	.1251302

#1	7556.601	104793.4	6460.194	5769.916	7864.668
#2	7531.632	105004.8	6506.094	5821.781	7863.353
#3	7546.689	104649.3	6481.628	5780.762	7881.028

Sample Name: CCV07 Acquired: 10/23/2025 18:59:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	5.034453	4.525986	5.057139	5.087314	4.900236	9.836367	9.588910
Stddev	.021798	.084038	.018766	.035862	.016043	.027931	.060454
%RSD	.4329692	1.856787	.3710740	.7049290	.3274012	.2839530	.6304525
#1	5.059553	4.611785	5.078502	5.128562	4.917369	9.868308	9.657586
#2	5.020282	4.522345	5.043317	5.069859	4.885567	9.816530	9.565403
#3	5.023525	4.443828	5.049599	5.063522	4.897772	9.824264	9.543740
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2441523	2.531608	24.63102	.9521944	2.473231	1.245133	4.708597
Stddev	.0031453	.011218	.09590	.0030141	.008607	.002703	.033507
%RSD	1.288237	.4431147	.3893516	.3165459	.3480180	.2170955	.7116225
#1	.2477815	2.544306	24.74123	.9556728	2.483109	1.248250	4.676957
#2	.2424582	2.527480	24.56653	.9503517	2.467338	1.243725	4.743702
#3	.2422173	2.523039	24.58531	.9505587	2.469247	1.243425	4.705133
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.430438	25.09658	2.492447	1.275967	22.67231	2.456503	2.552095
Stddev	.020340	.08958	.009427	.005225	.10986	.005930	.008431
%RSD	.8368851	.3569478	.3782040	.4095081	.4845476	.2413903	.3303551
#1	2.453150	25.19790	2.503330	1.281632	22.56783	2.461298	2.561071
#2	2.424264	25.02787	2.486827	1.274934	22.78685	2.449872	2.544343
#3	2.413901	25.06398	2.487185	1.271336	22.66224	2.458337	2.550871
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.78692	5.461774	4.884050	5.021856	4.820329	4.749931	5.193050
Stddev	.17205	.073584	.027272	.025977	.018185	.033472	.047337
%RSD	.7232876	1.347249	.5583937	.5172870	.3772504	.7046805	.9115386
#1	23.61272	5.546448	4.914416	5.050238	4.840178	4.711282	5.245943
#2	23.95673	5.425536	4.876090	4.999258	4.816337	4.769079	5.178543
#3	23.79132	5.413337	4.861643	5.016073	4.804472	4.769433	5.154665

Sample Name: CCV07 Acquired: 10/23/2025 18:59:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.010746	4.645151	4.781785
Stddev	.042489	.028749	.070814
%RSD	.8479592	.6189130	1.480902
#1	5.059803	4.676784	4.862472
#2	4.985580	4.638054	4.729966
#3	4.986856	4.620615	4.752916

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6955.721	95689.41	6032.724	5254.927	7515.347
Stddev	20.021	142.85	58.429	17.749	19.230
%RSD	.2878288	.1492892	.9685311	.3377577	.2558768
#1	6936.369	95852.67	5965.793	5250.281	7493.625
#2	6954.446	95587.36	6073.551	5274.537	7522.219
#3	6976.349	95628.21	6058.827	5239.964	7530.197

Sample Name: CCB07 Acquired: 10/23/2025 19:04:01 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal 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	.0007498	.0023023	.0007134	-.000340	-.000805	-.001491	.0023727
Stddev	.0019765	.0003065	.0001963	.003091	.000860	.005394	.0022606
%RSD	263.6056	13.31260	27.50974	907.6942	106.8707	361.7215	95.27711

#1	.0019429	.0019718	.0009033	-.003578	.000028	-.007508	.0049816
#2	.0018382	.0025771	.0005114	-.000022	-.000752	.002913	.0011414
#3	-.001532	.0023579	.0007254	.002579	-.001691	.000121	.0009950

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001244	-.000028	.0012932	.0001627	.0000806	-.000132	-.002137
Stddev	.0000447	.000039	.0113135	.0003569	.0000938	.000354	.002802
%RSD	35.93721	141.1541	874.8387	219.4445	116.3551	267.0921	131.1295

#1	.0000953	-.000067	-.005007	.0005412	.0001883	.000221	-.000589
#2	.0001021	-.000029	-.005468	.0001146	.0000172	-.000133	-.000450
#3	.0001759	.000012	.014354	-.000168	.0000363	-.000486	-.005371

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000057	-.002719	.0001723	-.000345	.1506637	-.002591	-.000201
Stddev	.000286	.003124	.0000901	.000424	.0197259	.002882	.000080
%RSD	505.1171	114.9027	52.27172	122.7410	13.09269	111.2292	39.71342

#1	-.000183	-.002723	.0002688	.000131	.1327523	-.004574	-.000109
#2	-.000258	.000407	.0000904	-.000681	.1474334	.000715	-.000254
#3	.000271	-.005840	.0001578	-.000485	.1718054	-.003913	-.000240

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2741423	-.001580	.0004103	-.004827	-.000606	.0113049	-.002736
Stddev	.0428324	.001119	.0002436	.000504	.000549	.0104939	.001147
%RSD	15.62415	70.83499	59.35647	10.43409	90.50725	92.82629	41.92090

#1	.2947967	-.000497	.0005681	-.004513	-.001200	.0047262	-.003762
#2	.2248965	-.002732	.0005331	-.004559	-.000502	.0057817	-.001498
#3	.3027338	-.001512	.0001298	-.005407	-.000117	.0234070	-.002949

Sample Name: CCB07 Acquired: 10/23/2025 19:04:01 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0074723	.0002140	.0001219
Stddev	.0025945	.0005913	.0000684
%RSD	34.72215	276.2820	56.07625
#1	.0062782	-.000350	.0001205
#2	.0104489	.000163	.0001910
#3	.0056898	.000829	.0000543

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7005.987	98367.14	5887.992	5476.326	8348.157
Stddev	33.123	208.80	10.343	15.355	33.728
%RSD	.4727796	.2122696	.1756605	.2803965	.4040206
#1	7042.910	98214.22	5890.656	5470.194	8385.739
#2	6978.887	98282.17	5876.578	5464.984	8320.517
#3	6996.163	98605.03	5896.743	5493.800	8338.216

Sample Name: Q3431-01MS Acquired: 10/23/2025 19:08:16 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6409867	1.626220	1.147337	1.445558	.2722755	131.5249
Stddev	.0038980	.018512	.002265	.005269	.0020933	.3599
%RSD	.6081206	1.138362	.1973733	.3645098	.7687981	.2736385

#1	.6454595	1.643394	1.145016	1.451008	.2702814	131.1157
#2	.6391860	1.606610	1.147454	1.440490	.2744555	131.6671
#3	.6383146	1.628655	1.149540	1.445178	.2720895	131.7921

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6368442	.1601167	.1974635	44.31983	.5073239	.3357467
Stddev	.0033385	.0004340	.0000504	.08912	.0015727	.0003944
%RSD	.5242180	.2710585	.0255112	.2010800	.3099884	.1174685

#1	.6384032	.1599055	.1974054	44.23428	.5084985	.3358851
#2	.6330115	.1606158	.1974959	44.31308	.5055372	.3353018
#3	.6391180	.1598286	.1974891	44.41213	.5079359	.3360533

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6241250	237.3749	3.596396	55.08695	.7033860	.0457316
Stddev	.0004414	1.4365	.010046	.21106	.0009018	.0002871
%RSD	.0707256	.6051507	.2793216	.3831425	.1282109	.6277741

#1	.6244917	237.9338	3.601469	54.84794	.7031742	.0456838
#2	.6242482	235.7429	3.584826	55.24771	.7026090	.0454713
#3	.6236350	238.4478	3.602894	55.16518	.7043749	.0460395

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.453861	.7144153	.6380425	23.06549	.2006864	.3010522
Stddev	.064638	.0022369	.0020627	.14188	.0056253	.0008922
%RSD	1.001543	.3131111	.3232830	.6151372	2.803014	.2963506

#1	6.488976	.7166125	.6358527	23.11760	.2048735	.3014039
#2	6.379266	.7144928	.6399487	22.90492	.1942923	.3000378
#3	6.493342	.7121407	.6383263	23.17395	.2028936	.3017149

Sample Name: Q3431-01MS Acquired: 10/23/2025 19:08:16 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6622933	6.956487	8.466317	F 16.68088	5.364212	.2896000
Stddev	.0014074	.016971	.145032	.03537	.018532	.0018380
%RSD	.2124990	.2439611	1.713046	.2120139	.3454690	.6346579

#1	.6619553	6.947199	8.326978	16.71964	5.375372	.2909484
#2	.6610858	6.946188	8.455533	16.65035	5.342820	.2875064
#3	.6638389	6.976075	8.616440	16.67266	5.374444	.2903451

Elem	Sr4077
Units	ppm
Avg	.0369371
Stddev	.0006578
%RSD	1.780856

#1	.0375623
#2	.0369980
#3	.0362509

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8606.605	120733.9	7678.822	6862.815	7128.647
Stddev	6.851	611.0	16.954	26.113	6.286
%RSD	.0796050	.5060464	.2207909	.3805046	.0881800

#1	8606.790	120273.3	7669.989	6832.831	7129.966
#2	8599.663	121426.9	7698.369	6875.045	7121.806
#3	8613.362	120501.3	7668.108	6880.569	7134.168

Sample Name: Q3431-01MSD Acquired: 10/23/2025 19:12:11 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6482054	1.633653	1.193884	1.448280	.2628057	140.8247
Stddev	.0017844	.063915	.001688	.003326	.0035111	.2746
%RSD	.2752861	3.912400	.1414289	.2296730	1.335998	.1949936
#1	.6467114	1.561810	1.194848	1.444876	.2613180	141.0008
#2	.6501813	1.684206	1.194870	1.451523	.2668157	140.5083
#3	.6477237	1.654943	1.191935	1.448440	.2602835	140.9650
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6724364	.1656256	.2023057	47.46389	.5135692	.3514030
Stddev	.0026756	.0009523	.0002225	.06686	.0002673	.0005531
%RSD	.3978896	.5749947	.1099684	.1408562	.0520432	.1574053
#1	.6705667	.1664243	.2020611	47.51395	.5138629	.3519733
#2	.6755012	.1658808	.2024960	47.48975	.5133403	.3508689
#3	.6712411	.1645716	.2023599	47.38797	.5135045	.3513668
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6612235	260.2091	3.914604	57.73460	.7379924	.0466646
Stddev	.0000840	1.4248	.017581	.13602	.0003746	.0009362
%RSD	.0127016	.5475555	.4491231	.2355917	.0507547	2.006277
#1	.6611392	258.5639	3.914026	57.86065	.7376220	.0456377
#2	.6612242	261.0310	3.932467	57.59043	.7379842	.0468855
#3	.6613072	261.0324	3.897319	57.75271	.7383710	.0474706
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.806060	.7368269	.6990504	24.23334	.1993523	.3058984
Stddev	.056068	.0060282	.0008574	.19408	.0041318	.0006715
%RSD	.8238018	.8181269	.1226448	.8008804	2.072633	.2195174
#1	6.741476	.7429413	.6982580	24.05741	.1946276	.3051581
#2	6.834434	.7366507	.6999605	24.20109	.2022893	.3060686
#3	6.842270	.7308888	.6989327	24.44153	.2011399	.3064683

Sample Name: Q3431-01MSD Acquired: 10/23/2025 19:12:11 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6730412	7.441310	8.216723	F 17.51529	6.347440	.2959155
Stddev	.0009852	.020998	.228377	.08530	.047757	.0022774
%RSD	.1463798	.2821755	2.779412	.4870168	.7523887	.7696149

#1	.6719853	7.435396	8.144303	17.42948	6.292348	.2935361
#2	.6739358	7.464630	8.033337	17.60007	6.377086	.2980750
#3	.6732025	7.423903	8.472529	17.51632	6.372886	.2961355

Elem	Sr4077
Units	ppm
Avg	.0267076
Stddev	.0013460
%RSD	5.039784

#1	.0275231
#2	.0274456
#3	.0251540

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8504.566	115210.2	7428.209	6511.184	6908.344
Stddev	8.642	864.3	20.525	16.210	7.022
%RSD	.1016161	.7502160	.2763084	.2489578	.1016424

#1	8498.501	115753.2	7421.461	6523.390	6902.669
#2	8500.736	115663.8	7451.258	6517.370	6906.167
#3	8514.461	114213.5	7411.907	6492.792	6916.197

Sample Name: Q3431-01A Acquired: 10/23/2025 19:16:04 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6174374	1.544229	1.141127	1.385858	.5455577	132.6086
Stddev	.0016899	.079900	.003551	.005937	.0029464	.2581
%RSD	.2736994	5.174128	.3111488	.4283971	.5400653	.1946366

#1	.6154940	1.482760	1.144983	1.385541	.5442216	132.8913
#2	.6185618	1.515379	1.137992	1.380087	.5489354	132.5492
#3	.6182563	1.634548	1.140408	1.391948	.5435161	132.3854

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6487016	.1542850	.1926019	49.02162	.4661816	.3324366
Stddev	.0021008	.0006380	.0001363	.10346	.0007005	.0004157
%RSD	.3238471	.4135135	.0707467	.2110414	.1502696	.1250388

#1	.6494792	.1546627	.1924451	49.11944	.4655241	.3323700
#2	.6463229	.1535484	.1926701	48.91332	.4669184	.3328816
#3	.6503028	.1546440	.1926907	49.03209	.4661023	.3320583

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6298013	241.6711	3.749028	64.34506	.7096724	.0429392
Stddev	.0007556	.2011	.015549	.10474	.0015669	.0006197
%RSD	.1199746	.0832087	.4147495	.1627815	.2207952	1.443293

#1	.6299585	241.8061	3.755970	64.45726	.7095620	.0436404
#2	.6304660	241.7672	3.731217	64.24985	.7112916	.0424648
#3	.6289795	241.4400	3.759897	64.32807	.7081636	.0427125

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.329889	.6977931	.6655616	23.78281	.2352181	.3019144
Stddev	.032238	.0019330	.0012862	.02701	.0020003	.0002189
%RSD	.5093048	.2770098	.1932499	.1135495	.8503861	.0725064

#1	6.298751	.7000250	.6670405	23.80382	.2330296	.3018904
#2	6.327792	.6966626	.6647045	23.79227	.2369518	.3017085
#3	6.363125	.6966916	.6649397	23.75235	.2356728	.3021443

Sample Name: Q3431-01A Acquired: 10/23/2025 19:16:04 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6728888	6.254199	6.482253	F 16.27516	6.794304	.3786284
Stddev	.0020077	.012618	.033633	.10354	.067649	.0008826
%RSD	.2983756	.2017480	.5188465	.6362019	.9956778	.2331125

#1	.6722721	6.255662	6.520946	16.24438	6.772396	.3796228
#2	.6712617	6.240914	6.465795	16.19050	6.740323	.3779376
#3	.6751325	6.266021	6.460019	16.39060	6.870192	.3783249

Elem	Sr4077
Units	ppm
Avg	.0395870
Stddev	.0010952
%RSD	2.766607

#1	.0394398
#2	.0385728
#3	.0407484

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9093.311	125385.2	8018.491	7012.014	7356.684
Stddev	20.843	302.8	33.981	28.156	18.459
%RSD	.2292141	.2414598	.4237779	.4015365	.2509190

#1	9114.363	125111.3	7988.035	6979.840	7374.635
#2	9072.684	125334.1	8055.143	7024.054	7337.756
#3	9092.887	125710.3	8012.294	7032.148	7357.661

Sample Name: Q3439-01 Acquired: 10/23/2025 19:19:58 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0473520	.0011770	.1664269	-.003093	-.021845	154.8630	.7427139
Stddev	.0019401	.0027058	.0005682	.001813	.003573	.3230	.0038814
%RSD	4.097205	229.8886	.3414185	58.60679	16.35465	.2085748	.5226011

#1	.0451847	-.001884	.1658104	-.004152	-.019495	155.2328	.7467000
#2	.0479450	.002164	.1665407	-.004128	-.025956	154.6364	.7389463
#3	.0489265	.003251	.1669296	-.001000	-.020084	154.7196	.7424955

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0193902	.0045804	9.569292	.1969743	.1494018	.3477819	268.4905
Stddev	.0001800	.0002701	.019105	.0007917	.0001576	.0020531	1.4955
%RSD	.9284408	5.896962	.1996520	.4019371	.1055003	.5903299	.5569975

#1	.0195893	.0045925	9.590068	.1976828	.1492222	.3478150	268.4524
#2	.0193425	.0048442	9.552479	.1971204	.1495174	.3498182	267.0144
#3	.0192388	.0043044	9.565329	.1961198	.1494657	.3457125	270.0047

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.339768	58.95186	.3232398	-.008240	11.53605	.3174773	.6456891
Stddev	.034251	.17243	.0009419	.000232	.04252	.0012672	.0013845
%RSD	.4666480	.2924862	.2913885	2.814477	.3686250	.3991334	.2144160

#1	7.373893	59.14691	.3221896	-.008410	11.52389	.3177703	.6468487
#2	7.305393	58.88893	.3240098	-.008334	11.50093	.3160893	.6460623
#3	7.340018	58.81973	.3235200	-.007976	11.58333	.3185723	.6441562

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.61939	.0605261	.0054666	.0069213	4.130669	8.496416	4.276925
Stddev	.08295	.0150968	.0000842	.0009581	.011414	.173111	.025360
%RSD	.4023064	24.94257	1.539501	13.84267	.2763144	2.037462	.5929457

#1	20.57988	.0522866	.0053970	.0058733	4.138214	8.385848	4.277820
#2	20.56357	.0513420	.0055601	.0077522	4.117539	8.695917	4.301825
#3	20.71471	.0779498	.0054428	.0071385	4.136255	8.407483	4.251129

Sample Name: Q3439-01 Acquired: 10/23/2025 19:19:58 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1471310	.2973171	-.161297
Stddev	.0081862	.0008142	.001526
%RSD	5.563870	.2738658	.9459139
#1	.1474296	.2982047	-.160755
#2	.1551638	.2971422	-.160116
#3	.1387996	.2966046	-.163020

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8452.029	116434.2	7506.246	6518.446	7122.253
Stddev	9.780	149.8	29.817	40.657	16.317
%RSD	.1157114	.1286694	.3972265	.6237294	.2291017
#1	8454.610	116509.0	7473.380	6547.513	7133.538
#2	8441.217	116531.9	7513.794	6535.840	7103.544
#3	8460.259	116261.7	7531.563	6471.985	7129.677

Sample Name: Q3439-05 Acquired: 10/23/2025 19:23:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0455222	-.002143	.1501474	-.005326	-.021291	146.4476	.7661604
Stddev	.0018306	.001929	.0006296	.001820	.001111	.0387	.0055419
%RSD	4.021269	90.00573	.4193409	34.16740	5.218787	.0264317	.7233400

#1	.0476240	-.000694	.1497422	-.003379	-.022089	146.4683	.7725325
#2	.0442768	-.004332	.1498271	-.006984	-.021761	146.4029	.7634849
#3	.0446659	-.001402	.1508727	-.005614	-.020022	146.4715	.7624639

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0196066	.0044132	9.168344	.3096335	.1554988	.5380230	259.1261
Stddev	.0001266	.0000482	.040552	.0014243	.0004516	.0006495	1.2226
%RSD	.6458916	1.091974	.4423015	.4599908	.2904336	.1207122	.4718191

#1	.0197504	.0044267	9.214632	.3092863	.1553843	.5379084	260.4999
#2	.0195578	.0044533	9.151326	.3084149	.1551154	.5374385	258.1576
#3	.0195116	.0043598	9.139075	.3111993	.1559966	.5387221	258.7209

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.302050	58.26849	.3299814	-.010848	10.74749	.3980360	1.154381
Stddev	.046733	.19554	.0002637	.000366	.05297	.0042381	.002960
%RSD	.7415578	.3355907	.0799082	3.378379	.4928697	1.064750	.2564513

#1	6.355131	58.49124	.3299517	-.010730	10.80834	.3946581	1.155324
#2	6.283926	58.18916	.3297339	-.011258	10.71170	.4027915	1.151064
#3	6.267093	58.12508	.3302587	-.010554	10.72243	.3966583	1.156755

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.66124	.0622809	.0039998	.0126772	3.751899	6.833041	4.076991
Stddev	.05410	.0068470	.0003315	.0002639	.022678	.142929	.028323
%RSD	.3247181	10.99373	8.288840	2.081806	.6044283	2.091736	.6947068

#1	16.72314	.0700509	.0042368	.0124763	3.777751	6.907405	4.059959
#2	16.63760	.0571305	.0041416	.0129761	3.735365	6.923458	4.061328
#3	16.62298	.0596613	.0036209	.0125792	3.742581	6.668261	4.109686

Sample Name: Q3439-05 Acquired: 10/23/2025 19:23:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1538460	.2932960	-.162544
Stddev	.0007710	.0034939	.000895
%RSD	.5011451	1.191250	.5506536

#1	.1529634	.2926144	-.163496
#2	.1543887	.2901931	-.161720
#3	.1541857	.2970804	-.162414

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8148.804	112756.1	7186.641	6277.074	7021.814
Stddev	9.124	250.6	1.380	15.289	19.996
%RSD	.1119712	.2222649	.0192037	.2435672	.2847729

#1	8158.980	112948.3	7187.728	6289.401	7040.735
#2	8146.081	112847.3	7187.106	6281.854	7023.813
#3	8141.351	112472.6	7185.088	6259.966	7000.893

Sample Name: PB170214BL Acquired: 10/23/2025 19:27:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017004	.0031112	-.000334	.0021379	.0008284	.0015566
Stddev	.0001766	.0012533	.000942	.0022876	.0000882	.0054895
%RSD	10.38487	40.28178	282.2977	107.0000	10.64071	352.6654

#1	.0018883	.0042340	.000516	.0006209	.0008405	-.004730
#2	.0016750	.0017592	-.001347	.0010237	.0009099	.003995
#3	.0015379	.0033405	-.000170	.0047691	.0007348	.005405

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054011	.0000439	-.000057	-.005422	.0000906	-.000079
Stddev	.0014450	.0000233	.000017	.015767	.0004273	.000122
%RSD	26.75382	52.96345	29.55278	290.7803	471.8700	154.8608

#1	.0070564	.0000221	-.000038	-.005653	-.000302	-.000002
#2	.0043919	.0000414	-.000068	-.021073	.000545	-.000015
#3	.0047550	.0000684	-.000066	.010459	.000028	-.000219

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000079	.0084630	-.000317	.0338196	-.000193	.0000916
Stddev	.000075	.0075571	.000626	.0421362	.000292	.0000820
%RSD	94.36361	89.29635	197.4515	124.5908	151.4966	89.45649

#1	-.000054	.0171871	-.000066	.0409375	.000122	.0001026
#2	-.000163	.0042672	.000144	.0719436	-.000454	.0000047
#3	-.000020	.0039347	-.001030	-.011422	-.000245	.0001675

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1288174	-.001800	-.000207	.1386766	-.009938	-.000109
Stddev	.0286977	.004211	.000214	.0850449	.001130	.000309
%RSD	22.27777	234.0084	103.2720	61.32610	11.37579	284.0240

#1	.0958014	-.001051	-.000037	.0424224	-.009227	-.000443
#2	.1477774	.001987	-.000447	.2036557	-.009344	-.000051
#3	.1428735	-.006335	-.000137	.1699516	-.011241	.000167

Sample Name: PB170214BL Acquired: 10/23/2025 19:27:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003896	.0000442	.0144224	-.003081	F .0132383	.0026801
Stddev	.000690	.0008878	.0089246	.000673	.0011650	.0024195
%RSD	17.69763	2010.177	61.88057	21.84869	8.800389	90.27658

#1	-.003179	.0005136	.0247255	-.002856	.0127901	.0009505
#2	-.003956	-.000980	.0094530	-.002549	.0123640	.0054449
#3	-.004554	.000599	.0090886	-.003837	.0145609	.0016447

Elem	Sr4077
Units	ppm
Avg	-.000167
Stddev	.000177
%RSD	105.9119

#1	-.000338
#2	.000016
#3	-.000179

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6780.704	95338.02	5830.724	5313.415	8176.497
Stddev	15.561	857.15	6.692	67.535	21.905
%RSD	.2294908	.8990623	.1147748	1.271026	.2678977

#1	6798.600	94850.67	5827.865	5276.602	8201.169
#2	6770.359	96327.73	5838.371	5391.358	8159.336
#3	6773.153	94835.66	5825.936	5272.286	8168.986

Sample Name: PB170214BS Acquired: 10/23/2025 19:32:13 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7960228	1.852539	.9753175	2.010472	.7972741	2.038892
Stddev	.0004926	.042145	.0001517	.007987	.0032845	.007062
%RSD	.0618875	2.274978	.0155578	.3972622	.4119669	.3463671

#1	.7954620	1.855845	.9754380	2.014972	.7998806	2.038583
#2	.7963858	1.808839	.9751471	2.001250	.7935849	2.046104
#3	.7962206	1.892934	.9753673	2.015193	.7983568	2.031990

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2001881	.2031836	.1945532	1.020941	.3859497	.1969288
Stddev	.0031417	.0029985	.0004330	.013570	.0017272	.0001371
%RSD	1.569384	1.475748	.2225524	1.329172	.4475119	.0696220

#1	.1983833	.2013649	.1949604	1.015918	.3867739	.1969733
#2	.2038158	.2066445	.1946009	1.010597	.3839648	.1970381
#3	.1983651	.2015416	.1940984	1.036306	.3871104	.1967750

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3133303	2.923634	.2075493	2.084294	.4960537	.0746517
Stddev	.0005616	.057733	.0013231	.018444	.0005250	.0004255
%RSD	.1792243	1.974686	.6374720	.8848939	.1058395	.5699358

#1	.3139714	2.932763	.2066006	2.092594	.4965539	.0741849
#2	.3130940	2.861881	.2069867	2.097130	.4961004	.0750177
#3	.3129256	2.976258	.2090607	2.063159	.4955069	.0747526

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.953004	.2945722	.2134370	9.498760	.3246899	.3977133
Stddev	.060648	.0026616	.0004779	.165334	.0069853	.0005689
%RSD	2.053785	.9035508	.2239061	1.740583	2.151380	.1430380

#1	2.961534	.2976037	.2129673	9.483893	.3211022	.3982987
#2	2.888542	.2934941	.2134212	9.341363	.3327400	.3971626
#3	3.008936	.2926188	.2139227	9.671026	.3202274	.3976785

Sample Name: PB170214BS Acquired: 10/23/2025 19:32:13 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6965231	.1929823	.8553644	5.920998	F .0127504	.2036077
Stddev	.0008592	.0025715	.0040004	.005649	.0010938	.0031516
%RSD	.1233546	1.332491	.4676865	.0953983	8.578617	1.547860

#1	.6963919	.1940418	.8526459	5.915012	.0136851	.2008763
#2	.6974404	.1900504	.8534892	5.921746	.0115474	.2070560
#3	.6957371	.1948547	.8599579	5.926235	.0130186	.2028909

Elem	Sr4077
Units	ppm
Avg	.1938488
Stddev	.0006094
%RSD	.3143857

#1	.1931569
#2	.1943059
#3	.1940836

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6822.258	94551.52	5787.613	5301.183	7841.069
Stddev	14.490	622.94	58.516	45.483	18.595
%RSD	.2123944	.6588382	1.011049	.8579751	.2371533

#1	6808.932	94228.71	5815.176	5293.005	7826.304
#2	6820.158	95269.61	5720.407	5350.201	7834.950
#3	6837.683	94156.24	5827.258	5260.345	7861.952

Sample Name: PB170172TB Acquired: 10/23/2025 19:36:14 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001297	-.001336	.0011589	.0076313	.0033102	.0029241	.0015139
Stddev	.001273	.000596	.0008553	.0008328	.0008682	.0131362	.0012536
%RSD	98.16325	44.62757	73.80042	10.91243	26.22796	449.2296	82.81082

#1	-.002764	-.001092	.0001786	.0081788	.0025151	.0174031	.0018195
#2	-.000483	-.000901	.0017524	.0080421	.0031790	-.008231	.0001357
#3	-.000644	-.002016	.0015459	.0066729	.0042365	-.000400	.0025864

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000021	-.000135	.0064054	.0010550	-.000101	.0002560	.0057130
Stddev	.000011	.000051	.0052499	.0001694	.000121	.0003300	.0127060
%RSD	54.63922	37.35333	81.96110	16.05213	119.8840	128.9271	222.4039

#1	-.000020	-.000144	.0087837	.0012465	-.000098	.0004644	.0086871
#2	-.000010	-.000181	.0100452	.0009938	.000019	-.000125	.0166682
#3	-.000032	-.000081	.0003872	.0009248	-.000222	.000428	-.008216

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009594	-.018871	.0002179	-.000090	280.4374	-.002170	.0014358
Stddev	.0008978	.026212	.0002914	.000064	6.7996	.002176	.0002014
%RSD	93.58225	138.9023	133.7451	70.64660	2.424657	100.2660	14.02749

#1	.0007312	-.005705	.0005348	-.000091	278.1294	-.003456	.0013342
#2	.0001977	-.049056	.0001573	-.000026	275.0921	-.003396	.0016677
#3	.0019494	-.001851	-.000038	-.000154	288.0906	.000342	.0013054

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.094464	-.008418	.0002399	-.019408	.0008430	.0275062	.0012970
Stddev	.034473	.000604	.0002624	.000175	.0020252	.0098523	.0003971
%RSD	36.49336	7.179814	109.3770	.9029692	240.2385	35.81844	30.61489

#1	-.104353	-.008629	.0004571	-.019331	-.000315	.0386349	.0017458
#2	-.122911	-.007737	-.000052	-.019609	.003181	.0198970	.0009911
#3	-.056127	-.008889	.000314	-.019285	-.000337	.0239866	.0011542

Sample Name: PB170172TB Acquired: 10/23/2025 19:36:14 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0227724	-.011063	.0000124
Stddev	.0027216	.001580	.0000953
%RSD	11.95133	14.27749	765.6629

#1	.0232176	-.012800	.0001000
#2	.0198556	-.010675	-.000089
#3	.0252440	-.009713	.000026

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6506.424	89848.26	5759.706	5060.222	7102.841
Stddev	21.281	64.69	17.873	27.243	18.334
%RSD	.3270842	.0719954	.3103169	.5383826	.2581173

#1	6503.700	89856.75	5757.467	5028.765	7097.852
#2	6528.936	89908.28	5778.593	5075.891	7123.153
#3	6486.636	89779.75	5743.057	5076.012	7087.518

Sample Name: PB170223BL Acquired: 10/23/2025 19:40:36 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000376	.0039455	.0010096	.0008519	-.001794	-.013657	.0008450
Stddev	.0013521	.0014493	.0011832	.0006643	.000962	.016696	.0033684
%RSD	3593.865	36.73328	117.1954	77.98535	53.63515	122.2555	398.6314
#1	-.000993	.0055593	.0015718	.0001659	-.000706	.004783	.0040022
#2	-.000462	.0027546	-.000350	.0008975	-.002533	-.027749	-.002701
#3	.001568	.0035228	.001807	.0014922	-.002144	-.018004	.001234
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000515	-.000065	-.004504	.0001737	.0001367	.0000401	-.001482
Stddev	.0000990	.000029	.002651	.0003255	.0002083	.0002518	.009474
%RSD	192.2954	44.18241	58.85294	187.3929	152.3808	628.6633	639.3245
#1	.0000962	-.000071	-.007562	.0002420	.0000530	.0003236	.004469
#2	.0001201	-.000034	-.002865	-.000181	.0003739	-.000046	-.012407
#3	-.000062	-.000091	-.003084	.000460	-.000017	-.000157	.003493
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000213	-.041454	-.000407	.0000281	.2776918	-.003507	-.000225
Stddev	.000436	.018689	.000092	.0005292	.0177941	.001165	.000209
%RSD	204.0797	45.08313	22.71174	1885.762	6.407851	33.22098	92.75546
#1	-.000266	-.025546	-.000325	.0003674	.2576404	-.002725	-.000448
#2	.000246	-.062036	-.000507	.0002985	.2838337	-.004846	-.000194
#3	-.000621	-.036780	-.000388	-.000582	.2916014	-.002951	-.000034
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2916715	-.009702	-.000148	-.004826	.0002194	.0135808	-.003739
Stddev	.0338725	.000228	.000153	.000228	.0045090	.0117859	.000374
%RSD	11.61325	2.353931	103.6261	4.724249	2055.391	86.78340	9.997229
#1	.2545476	-.009719	-.000178	-.004567	.0013761	.0132548	-.004002
#2	.3208969	-.009465	-.000284	-.004914	-.004755	.0019613	-.003311
#3	.2995699	-.009921	.000018	-.004997	.004037	.0255264	-.003904

Sample Name: PB170223BL Acquired: 10/23/2025 19:40:36 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0082198	.0048337	-.000210
Stddev	.0029277	.0024975	.000113
%RSD	35.61758	51.66773	53.71841

#1	.0077702	.0049448	-.000140
#2	.0113462	.0072737	-.000151
#3	.0055429	.0022825	-.000341

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6949.233	97096.07	5791.937	5338.583	8320.099
Stddev	18.646	246.23	36.466	4.711	24.863
%RSD	.2683140	.2535990	.6295919	.0882374	.2988270

#1	6927.703	97134.31	5833.479	5336.019	8291.392
#2	6959.890	97320.95	5777.118	5335.711	8334.777
#3	6960.107	96832.96	5765.214	5344.020	8334.126

Sample Name: PB170223BS Acquired: 10/23/2025 19:44:51 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7622415	1.789556	.9367798	1.946885	.7377542	1.839793
Stddev	.0032869	.050507	.0018155	.001457	.0004355	.006032
%RSD	.4312133	2.822341	.1938033	.0748414	.0590342	.3278434
#1	.7642607	1.776484	.9351655	1.947852	.7380952	1.838039
#2	.7640149	1.746870	.9387452	1.945209	.7372636	1.834832
#3	.7584487	1.845314	.9364286	1.947594	.7379038	1.846507
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1828421	.1917574	.1871818	.9522758	.3718419	.1883838
Stddev	.0016978	.0007427	.0001336	.0210214	.0003789	.0001738
%RSD	.9285747	.3873002	.0713637	2.207493	.1019096	.0922437
#1	.1844332	.1910288	.1870391	.9707437	.3718957	.1882964
#2	.1830384	.1917299	.1873038	.9293999	.3721911	.1885839
#3	.1810547	.1925134	.1872025	.9566838	.3714389	.1882711
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2997875	2.656750	.1860517	1.954740	.4733983	.0700424
Stddev	.0006953	.020896	.0002858	.022761	.0001565	.0004908
%RSD	.2319279	.7865406	.1536045	1.164398	.0330640	.7007693
#1	.2990447	2.680797	.1857472	1.931961	.4732776	.0704532
#2	.3004228	2.643008	.1860937	1.954775	.4735752	.0701751
#3	.2998951	2.646444	.1863142	1.977483	.4733421	.0694988
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.562442	.2803235	.1977410	8.829665	.2981249	.3699702
Stddev	.016612	.0045070	.0009466	.051229	.0014253	.0006751
%RSD	.6482785	1.607795	.4786930	.5801937	.4780939	.1824790
#1	2.545352	.2808055	.1979196	8.853531	.2965445	.3693803
#2	2.563443	.2755948	.1985856	8.864607	.2985172	.3698236
#3	2.578530	.2845701	.1967179	8.770857	.2993130	.3707065

Sample Name: PB170223BS Acquired: 10/23/2025 19:44:51 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6305912	.1703703	.7687091	5.615662	F .0052373	.1751091
Stddev	.0006522	.0020744	.0157505	.011476	.0009691	.0015782
%RSD	.1034319	1.217614	2.048961	.2043628	18.50303	.9012719

#1	.6308301	.1703452	.7770900	5.619926	.0045234	.1743392
#2	.6298532	.1683085	.7505401	5.602664	.0048480	.1740636
#3	.6310903	.1724572	.7784971	5.624397	.0063405	.1769245

Elem	Sr4077
Units	ppm
Avg	.1760885
Stddev	.0008158
%RSD	.4633101

#1	.1768896
#2	.1752587
#3	.1761172

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7125.995	98591.76	6091.623	5427.310	8224.501
Stddev	14.925	236.63	22.916	31.393	22.287
%RSD	.2094423	.2400118	.3761807	.5784314	.2709832

#1	7137.070	98481.68	6117.852	5402.145	8238.409
#2	7109.023	98430.22	6081.531	5417.298	8198.795
#3	7131.893	98863.38	6075.486	5462.489	8236.298

Sample Name: CCV08 Acquired: 10/23/2025 19:48:53 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.195668	4.633870	5.316569	5.189320	5.042572	10.26411
Stddev	.011546	.232310	.007382	.024531	.005944	.05312
%RSD	.2222268	5.013308	.1388399	.4727204	.1178793	.5175669
#1	5.183636	4.401188	5.309396	5.163968	5.036271	10.20769
#2	5.196709	4.865807	5.316170	5.212938	5.043368	10.27147
#3	5.206658	4.634615	5.324142	5.191054	5.048079	10.31317
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.919973	.2539991	2.667870	25.57991	.9987099	2.602059
Stddev	.055402	.0008710	.001960	.03227	.0042260	.001997
%RSD	.5584863	.3429205	.0734622	.1261582	.4231489	.0767305
#1	9.856164	.2549034	2.665624	25.54374	.9944536	2.600445
#2	9.955844	.2539281	2.668753	25.60575	1.002905	2.601440
#3	9.947909	.2531657	2.669233	25.59025	.998771	2.604292
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.301855	4.774023	2.522685	26.12414	2.622653	1.296063
Stddev	.001871	.011356	.008948	.08791	.001659	.003849
%RSD	.1437557	.2378786	.3547111	.3364923	.0632374	.2969594
#1	1.300567	4.762173	2.512721	26.02436	2.621039	1.294106
#2	1.300997	4.784811	2.530036	26.15790	2.622566	1.300497
#3	1.304002	4.775085	2.525298	26.19016	2.624353	1.293586
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.07287	2.555883	2.605692	23.96265	F 5.598450	5.130989
Stddev	.22152	.007531	.005788	.20416	.018438	.008310
%RSD	.9600794	.2946615	.2221279	.8519990	.3293360	.1619540
#1	22.81711	2.547585	2.603320	23.72972	5.615395	5.121478
#2	23.20437	2.557778	2.612289	24.04768	5.601139	5.136845
#3	23.19712	2.562285	2.601467	24.11056	5.578815	5.134644

Sample Name: CCV08 Acquired: 10/23/2025 19:48:53 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.279564	5.014916	4.857008	5.374495	5.100995	4.826186
Stddev	.021039	.026751	.035087	.035733	.036684	.028105
%RSD	.3984907	.5334195	.7223935	.6648541	.7191627	.5823478

#1	5.255305	4.985573	4.817472	5.358470	5.067111	4.794736
#2	5.290577	5.037945	4.884440	5.415434	5.139952	4.834979
#3	5.292810	5.021230	4.869112	5.349579	5.095923	4.848845

Elem	Sr4077
Units	ppm
Avg	4.928828
Stddev	.040967
%RSD	.8311637

#1	4.888604
#2	4.970499
#3	4.927383

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6734.189	93356.73	5749.027	5158.255	7240.673
Stddev	8.362	502.97	14.436	34.363	10.850
%RSD	.1241668	.5387563	.2511010	.6661766	.1498464

#1	6724.550	93888.77	5763.079	5195.648	7228.157
#2	6739.493	92889.04	5734.235	5128.063	7247.409
#3	6738.523	93292.38	5749.766	5151.055	7246.452

Sample Name: CCB08 Acquired: 10/23/2025 19:52:55 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003792	.0029171	-.000251	.0018072	-.000181	-.009562	.0005060
Stddev	.0037210	.0003724	.001198	.0021464	.002198	.007000	.0024762
%RSD	981.2251	12.76674	476.8618	118.7691	1214.417	73.20611	489.4061

#1	.0040045	.0033452	.000219	.0004840	-.002110	-.013608	.0012658
#2	.0005637	.0027384	-.001613	.0042836	.002212	-.013600	.0025132
#3	-.003431	.0026677	.000641	.0006538	-.000645	-.001479	-.002261

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000231	-.000046	-.009538	-.000062	.0000356	-.000361	.0012483
Stddev	.0000328	.000075	.016685	.000448	.0001145	.000358	.0083719
%RSD	142.0970	163.0047	174.9317	716.8120	321.7506	99.21844	670.6867

#1	.0000530	.000015	-.018559	-.000410	.0001671	.000009	.0106428
#2	-.000012	-.000129	.009716	.000443	-.000042	-.000706	-.005423
#3	.000028	-.000023	-.019771	-.000220	-.000018	-.000386	-.001475

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005117	-.005406	-.000216	.0002476	.0713871	-.002070	-.000107
Stddev	.0002517	.035613	.000275	.0002645	.0205970	.006704	.000281
%RSD	49.18668	658.7831	127.6421	106.8182	28.85260	323.9389	262.7840

#1	.0004346	.035133	-.000533	-.000057	.0498050	-.003601	.000128
#2	.0007929	-.031652	-.000076	.000382	.0735237	-.007876	-.000031
#3	.0003075	-.019698	-.000038	.000418	.0908325	.005268	-.000418

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1254789	-.000159	.0004173	-.005303	-.000717	.0220370	-.003697
Stddev	.0619610	.001165	.0001875	.000176	.002879	.0159265	.000659
%RSD	49.37965	731.2348	44.91506	3.318581	401.5761	72.27178	17.81584

#1	.0692560	.001024	.0005385	-.005154	.002528	.0336953	-.003288
#2	.1919102	-.001304	.0002014	-.005497	-.002965	.0285252	-.003347
#3	.1152705	-.000198	.0005121	-.005258	-.001714	.0038905	-.004457

Sample Name: CCB08 Acquired: 10/23/2025 19:52:55 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0052586	-.000477	.0001549
Stddev	.0021686	.001290	.0000857
%RSD	41.23955	270.6916	55.31558

#1	.0056059	-.001561	.0001531
#2	.0072327	.000950	.0000701
#3	.0029373	-.000818	.0002414

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6988.796	95784.44	5954.052	5321.744	8411.648
Stddev	12.940	49.96	14.329	28.109	20.491
%RSD	.1851580	.0521592	.2406631	.5281887	.2436058

#1	7003.735	95737.02	5937.698	5348.500	8435.219
#2	6981.074	95836.61	5960.056	5292.454	8401.652
#3	6981.578	95779.69	5964.403	5324.278	8398.072

Sample Name: PB170202TB Acquired: 10/23/2025 19:57:10 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000391	.0009341	.0016156	.0018799	.0031731	.0002764	.0018465
Stddev	.001576	.0010782	.0002395	.0010627	.0010414	.0132611	.0017024
%RSD	403.3152	115.4297	14.82623	56.53264	32.82107	4797.428	92.19777

#1	.000938	-.000068	.0015024	.0017078	.0020105	.0012250	.0020380
#2	-.002132	.002075	.0014536	.0030181	.0034880	.0130378	.0000564
#3	.000022	.000795	.0018907	.0009137	.0040206	-.013434	.0034451

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000080	-.000103	.0290152	.0243626	-.000148	.0001084	.1175883
Stddev	.000048	.000081	.0281380	.0003294	.000219	.0001442	.0055298
%RSD	59.69049	78.18436	96.97666	1.352114	148.4972	133.0509	4.702710

#1	-.000034	-.000030	.0485044	.0243829	.000101	-.000028	.1238085
#2	-.000077	-.000090	.0417845	.0240234	-.000314	.000093	.1157277
#3	-.000129	-.000190	-.003243	.0246813	-.000230	.000259	.1132288

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021089	-.001510	.0014283	.0002002	354.5366	-.001104	.0015941
Stddev	.0005292	.036244	.0003164	.0005139	5.6757	.002283	.0001652
%RSD	25.09458	2400.401	22.15491	256.7775	1.600889	206.8092	10.36013

#1	.0015358	.025683	.0017763	.0002202	359.5111	.001320	.0015159
#2	.0022117	.012445	.0013506	.0007038	355.7445	-.001418	.0014826
#3	.0025792	-.042657	.0011579	-.000324	348.3541	-.003213	.0017838

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.083747	-.005626	.0005597	-.019388	-.001470	.0165355	.0065005
Stddev	.022938	.000220	.0002460	.000463	.001057	.0119968	.0008706
%RSD	27.38914	3.902917	43.94119	2.386849	71.86435	72.55197	13.39275

#1	-.063428	-.005381	.0004831	-.019163	-.002628	.0099858	.0074168
#2	-.079193	-.005805	.0003612	-.019081	-.001225	.0303815	.0056842
#3	-.108620	-.005691	.0008349	-.019921	-.000558	.0092391	.0064005

Sample Name: PB170202TB Acquired: 10/23/2025 19:57:10 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0253142	-.009623	-.000091
Stddev	.0031741	.001922	.000093
%RSD	12.53883	19.97453	102.8293

#1	.0270892	-.010939	.000014
#2	.0272037	-.007417	-.000121
#3	.0216496	-.010512	-.000164

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6541.526	89243.73	5692.909	5107.940	7068.015
Stddev	27.417	334.49	35.203	20.978	27.992
%RSD	.4191272	.3748101	.6183570	.4106947	.3960443

#1	6571.716	89083.37	5676.962	5086.338	7099.980
#2	6534.684	89019.61	5668.502	5109.250	7056.184
#3	6518.177	89628.21	5733.263	5128.233	7047.880

Sample Name: Q3414-01 Acquired: 10/23/2025 20:01:32 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092388	.0001798	.1572758	.0036991	.0026243	.0811422	.0469078
Stddev	.0017371	.0025180	.0010677	.0021427	.0016329	.0101251	.0007389
%RSD	18.80262	1400.098	.6788917	57.92412	62.22303	12.47818	1.575241

#1	.0100035	-.002335	.1562231	.0043224	.0042659	.0828413	.0477487
#2	.0104624	.000174	.1583579	.0054610	.0010003	.0702751	.0466123
#3	.0072505	.002701	.1572464	.0013139	.0026066	.0903102	.0463624

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004822	.0007816	1.248835	.0011377	.0027323	.2126959	12.43107
Stddev	.0001183	.0000833	.019764	.0003099	.0000848	.0004380	.11663
%RSD	24.53650	10.65775	1.582575	27.23830	3.101914	.2059246	.9382090

#1	.0004827	.0008558	1.234835	.0012344	.0027515	.2130998	12.29854
#2	.0006002	.0006915	1.271443	.0013877	.0028057	.2122303	12.47657
#3	.0003636	.0007975	1.240227	.0007910	.0026395	.2127578	12.51808

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1135565	.0720175	.0263258	.0000245	224.2156	-.000604	.2527273
Stddev	.0006384	.0025521	.0002990	.0007091	2.5060	.005689	.0007266
%RSD	.5621951	3.543663	1.135640	2895.321	1.117687	942.2129	.2875092

#1	.1128364	.0747434	.0259929	-.000260	221.3354	-.006031	.2534392
#2	.1137798	.0696849	.0265713	.000832	225.8978	-.001096	.2519868
#3	.1140532	.0716244	.0264133	-.000498	225.4136	.005315	.2527558

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2309275	.0049310	.0008633	-.019728	.0014483	.3387774	.0123733
Stddev	.0286469	.0007804	.0001192	.000497	.0010978	.0206095	.0013455
%RSD	12.40514	15.82628	13.81017	2.519665	75.80021	6.083490	10.87409

#1	.2423157	.0042701	.0009310	-.019158	.0009696	.3361058	.0108766
#2	.2521291	.0047310	.0007256	-.019954	.0006711	.3605924	.0134825
#3	.1983378	.0057920	.0009333	-.020072	.0027042	.3196340	.0127608

Sample Name: Q3414-01 Acquired: 10/23/2025 20:01:32 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.752891	-.010844	-.007985
Stddev	.005734	.001638	.000150
%RSD	.3271026	15.10465	1.873753

#1	1.758136	-.012475	-.007861
#2	1.746769	-.009199	-.008151
#3	1.753768	-.010858	-.007943

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6816.673	94586.79	5959.712	5305.046	7460.020
Stddev	19.605	222.26	21.979	15.230	23.938
%RSD	.2876014	.2349765	.3687893	.2870838	.3208799

#1	6798.739	94824.38	5940.825	5321.955	7446.355
#2	6813.677	94383.97	5983.836	5292.405	7446.046
#3	6837.604	94552.01	5954.476	5300.779	7487.661

Sample Name: Q3414-02 Acquired: 10/23/2025 20:05:43 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107457	-.001450	.2302038	.0015458	.0014073	.0772654	.0561135
Stddev	.0013035	.002975	.0016096	.0044680	.0011609	.0114721	.0022305
%RSD	12.13053	205.1866	.6992004	289.0445	82.49243	14.84759	3.974899
#1	.0104667	.000107	.2320287	-.000759	.0010587	.0727488	.0539789
#2	.0096042	.000424	.2295963	.006695	.0027026	.0687392	.0584288
#3	.0121661	-.004880	.2289864	-.001300	.0004607	.0903084	.0559328
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005808	.0008570	1.654617	.0021739	.0033534	.2321040	15.63618
Stddev	.0000320	.0000541	.035010	.0000810	.0001769	.0001388	.14287
%RSD	5.514731	6.311407	2.115914	3.724022	5.275410	.0597870	.9137344
#1	.0005756	.0009070	1.683850	.0022113	.0031643	.2321469	15.76683
#2	.0005518	.0008644	1.664184	.0020810	.0033811	.2319489	15.48362
#3	.0006152	.0007996	1.615818	.0022294	.0035148	.2322163	15.65810
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1423324	.1248316	.0343661	-.000063	272.9713	-.000392	.3109721
Stddev	.0016337	.0180453	.0004000	.000396	.3512	.001329	.0012435
%RSD	1.147811	14.45572	1.163849	628.1035	.1286658	338.6825	.3998732
#1	.1437317	.1197947	.0339374	-.000383	273.3083	-.001762	.3124075
#2	.1427283	.1098399	.0347292	-.000186	272.9984	.000892	.3102858
#3	.1405371	.1448602	.0344319	.000379	272.6074	-.000308	.3102230
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5855466	.0088623	.0009693	-.019595	.0018827	.4036692	.0110202
Stddev	.0797745	.0005069	.0000618	.000783	.0007381	.0159226	.0012116
%RSD	13.62393	5.720264	6.377802	3.998123	39.20476	3.944469	10.99390
#1	.5395737	.0092778	.0010154	-.020106	.0013943	.3873240	.0108488
#2	.5394039	.0082974	.0008990	-.018693	.0015219	.4191325	.0123083
#3	.6776621	.0090116	.0009934	-.019987	.0027318	.4045512	.0099035

Sample Name: Q3414-02 Acquired: 10/23/2025 20:05:43 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.235531	-.006770	-.010119
Stddev	.009386	.001457	.000148
%RSD	.4198365	21.51921	1.458182
#1	2.233698	-.007415	-.010288
#2	2.245698	-.007793	-.010017
#3	2.227197	-.005102	-.010052

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6939.782	95305.67	6184.233	5312.848	7542.878
Stddev	4.400	258.67	56.260	30.633	3.069
%RSD	.0633970	.2714152	.9097410	.5765821	.0406936
#1	6937.630	95030.89	6212.221	5282.102	7540.471
#2	6944.843	95544.48	6119.467	5343.367	7546.334
#3	6936.872	95341.64	6221.010	5313.075	7541.829

Sample Name: Q3414-03 Acquired: 10/23/2025 20:10:01 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109671	-.001227	.2550666	.0017344	.0023237	.0799261	.0718329
Stddev	.0007502	.000808	.0007723	.0018189	.0011779	.0067826	.0001633
%RSD	6.840149	65.79689	.3028000	104.8772	50.69105	8.486046	.2273432

#1	.0104093	-.000586	.2555403	.0007972	.0018232	.0748649	.0719189
#2	.0106720	-.000961	.2541754	.0038308	.0014786	.0876327	.0716445
#3	.0118199	-.002135	.2554841	.0005751	.0036691	.0772806	.0719352

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007215	.0004927	1.382052	.0017662	.0041506	.0592509	18.00034
Stddev	.0000996	.0000211	.012838	.0003400	.0001374	.0003954	.22717
%RSD	13.80239	4.273192	.9289254	19.25156	3.309493	.6673067	1.262032

#1	.0006367	.0004941	1.396726	.0018668	.0039989	.0590702	17.88870
#2	.0008311	.0004710	1.376538	.0020445	.0041866	.0597044	17.85058
#3	.0006966	.0005130	1.372892	.0013872	.0042664	.0589782	18.26173

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1300069	.1168183	.0280247	-.000155	230.4910	-.002739	.4612429
Stddev	.0003264	.0299800	.0001861	.000204	.6076	.006124	.0017323
%RSD	.2510678	25.66376	.6639471	131.7666	.2636051	223.5929	.3755655

#1	.1297939	.0894273	.0278467	.000026	231.1195	.004330	.4595803
#2	.1298441	.1488468	.0280096	-.000114	230.4466	-.006430	.4630373
#3	.1303827	.1121808	.0282179	-.000376	229.9068	-.006115	.4611111

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3846572	.0044315	.0014221	-.018302	.0005428	.4176142	.0093459
Stddev	.0466975	.0012295	.0000759	.000442	.0022421	.0184200	.0016809
%RSD	12.14002	27.74535	5.334719	2.417161	413.0328	4.410774	17.98566

#1	.3430240	.0037590	.0014600	-.018061	.0023857	.4128131	.0108835
#2	.4351497	.0036850	.0013347	-.018032	.0011962	.4020702	.0075513
#3	.3757977	.0058506	.0014716	-.018812	-.001953	.4379594	.0096029

Sample Name: Q3414-03 Acquired: 10/23/2025 20:10:01 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.680378	-.007016	-.012776
Stddev	.010368	.001536	.000342
%RSD	.6169862	21.88669	2.676097

#1	1.689643	-.008029	-.012815
#2	1.669180	-.005249	-.012417
#3	1.682312	-.007770	-.013097

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6817.278	95071.15	6017.261	5281.075	7439.503
Stddev	6.798	621.62	39.591	45.133	6.088
%RSD	.0997199	.6538453	.6579588	.8546227	.0818322

#1	6817.922	94808.36	5991.729	5306.408	7440.921
#2	6823.731	95781.00	5997.186	5307.850	7444.757
#3	6810.181	94624.08	6062.868	5228.966	7432.831

Sample Name: Q3414-04 Acquired: 10/23/2025 20:14:14 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067276	-.000703	.1225815	.0018604	.0017563	.0486928	.0463675
Stddev	.0001526	.002179	.0012687	.0011901	.0016280	.0094102	.0013913
%RSD	2.268864	309.7671	1.034974	63.97079	92.69577	19.32574	3.000661

#1	.0066833	.000485	.1214208	.0005462	.0008335	.0595157	.0447707
#2	.0066021	.000623	.1239359	.0028653	.0007994	.0424435	.0470127
#3	.0068975	-.003218	.1223879	.0021698	.0036360	.0441192	.0473192

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002783	.0005393	.6403235	.0008633	.0015914	.2834323	7.889223
Stddev	.0000187	.0000683	.0116396	.0001830	.0001466	.0002091	.067306
%RSD	6.736346	12.67028	1.817766	21.20170	9.211362	.0737879	.8531334

#1	.0002758	.0004745	.6502346	.0010612	.0014830	.2835667	7.937765
#2	.0002609	.0006107	.6432298	.0007001	.0017582	.2831913	7.917514
#3	.0002982	.0005326	.6275062	.0008287	.0015331	.2835388	7.812390

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0611005	.0677198	.0185476	-.000182	210.5444	.0005024	.2018424
Stddev	.0004394	.0294302	.0001401	.000496	1.9432	.0032740	.0004999
%RSD	.7191001	43.45882	.7555664	272.4631	.9229530	651.6194	.2476521

#1	.0615747	.0934438	.0184655	.000371	210.8120	-.003096	.2023033
#2	.0607072	.0740891	.0187095	-.000327	212.3400	.003306	.2019128
#3	.0610195	.0356264	.0184680	-.000590	208.4813	.001297	.2013110

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1485811	.0040128	.0009058	-.019424	-.001059	.2455307	.0078937
Stddev	.0445001	.0009695	.0002305	.001137	.000978	.0171119	.0017037
%RSD	29.95005	24.15936	25.44819	5.852146	92.30389	6.969362	21.58345

#1	.1926705	.0050229	.0011224	-.020717	.000067	.2645039	.0061723
#2	.1036813	.0039257	.0006636	-.018582	-.001550	.2312657	.0095792
#3	.1493915	.0030898	.0009313	-.018974	-.001694	.2408226	.0079296

Sample Name: Q3414-04 Acquired: 10/23/2025 20:14:14 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.8944824	-.009375	-.005230
Stddev	.0112194	.003792	.000085
%RSD	1.254285	40.44774	1.626695

#1	.8988914	-.006736	-.005212
#2	.9028276	-.013721	-.005323
#3	.8817283	-.007669	-.005155

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6764.084	93648.65	5865.236	5229.612	7411.205
Stddev	9.503	171.87	26.808	5.231	18.554
%RSD	.1404902	.1835312	.4570726	.1000247	.2503506

#1	6768.921	93564.54	5875.400	5232.733	7407.341
#2	6753.135	93535.04	5885.476	5223.573	7394.888
#3	6770.195	93846.38	5834.832	5232.530	7431.387

Sample Name: Q3414-05 Acquired: 10/23/2025 20:18:25 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060279	.0013650	.1085575	.0033163	.0017002	.0463981	.0750936
Stddev	.0003238	.0024459	.0010998	.0041804	.0003869	.0063533	.0003904
%RSD	5.371750	179.1829	1.013125	126.0541	22.75568	13.69312	.5198393

#1	.0056825	-.000411	.1089711	.0035410	.0020851	.0443441	.0747445
#2	.0060765	.004155	.1093905	.0073798	.0013113	.0413260	.0755151
#3	.0063246	.000352	.1073108	-.000972	.0017043	.0535244	.0750212

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004821	.0005711	.6281278	.0000345	.0028026	.0603529	13.30656
Stddev	.0000191	.0000181	.0108597	.0002044	.0001241	.0005934	.07018
%RSD	3.966735	3.165712	1.728898	592.1423	4.427094	.9831779	.5274150

#1	.0004931	.0005895	.6164391	.0000425	.0029164	.0596818	13.22705
#2	.0004932	.0005534	.6300400	-.000174	.0026703	.0605689	13.33274
#3	.0004600	.0005703	.6379044	.000235	.0028212	.0608081	13.35989

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0746341	.0810948	.0237465	-.000329	217.8943	-.002652	.2110240
Stddev	.0002481	.0218315	.0004171	.000342	.4736	.005689	.0001217
%RSD	.3323718	26.92096	1.756640	103.7783	.2173685	214.5065	.0576630

#1	.0743492	.0933746	.0233167	-.000037	217.3676	-.006932	.2111645
#2	.0748017	.0940211	.0241497	-.000246	218.2850	.003804	.2109502
#3	.0747515	.0558887	.0237731	-.000705	218.0304	-.004828	.2109574

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.018887	.0013213	.0014236	-.020330	.0004914	.4422753	.0064251
Stddev	.010470	.0009493	.0006231	.000478	.0010171	.0188354	.0000129
%RSD	55.43308	71.84497	43.77112	2.350144	206.9846	4.258740	.2013081

#1	-.010006	.0002796	.0009758	-.020014	-.000630	.4217640	.0064138
#2	-.030431	.0021377	.0011598	-.020095	.000749	.4587947	.0064392
#3	-.016224	.0015466	.0021353	-.020879	.001355	.4462673	.0064222

Sample Name: Q3414-05 Acquired: 10/23/2025 20:18:25 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6614524	-.006064	-.009905
Stddev	.0053003	.001614	.000055
%RSD	.8013149	26.62008	.5564946
#1	.6660054	-.006716	-.009843
#2	.6627178	-.004226	-.009924
#3	.6556338	-.007250	-.009948

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7022.968	96875.23	6010.044	5471.336	7650.979
Stddev	20.259	97.20	7.150	4.371	29.005
%RSD	.2884654	.1003367	.1189685	.0798935	.3791079
#1	7019.285	96809.56	6006.433	5476.364	7647.791
#2	7004.804	96986.89	6005.420	5468.441	7623.699
#3	7044.816	96829.25	6018.280	5469.202	7681.446

Sample Name: Q3414-06 Acquired: 10/23/2025 20:22:36 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060329	.0008327	.1099951	.0056346	.0031984	.0598608	.0582127
Stddev	.0014061	.0005115	.0001523	.0044788	.0013067	.0188569	.0032760
%RSD	23.30633	61.42195	.1384730	79.48667	40.85603	31.50131	5.627692

#1	.0054264	.0014219	.1098978	.0095854	.0021604	.0445326	.0611804
#2	.0076404	.0005020	.1101707	.0007690	.0046658	.0541321	.0546973
#3	.0050319	.0005744	.1099169	.0065495	.0027689	.0809178	.0587603

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004321	.0007236	.4553849	.0009595	.0024466	.3744687	10.20124
Stddev	.0000987	.0000751	.0138881	.0001472	.0001195	.0011366	.11570
%RSD	22.84771	10.38100	3.049753	15.33701	4.885024	.3035134	1.134129

#1	.0003590	.0007366	.4672083	.0008148	.0023098	.3748728	10.15230
#2	.0005444	.0006428	.4588559	.0009547	.0025310	.3731854	10.33336
#3	.0003928	.0007913	.4400905	.0011090	.0024990	.3753481	10.11805

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0510327	.0773070	.0225067	-.000141	194.8584	-.002058	.1685558
Stddev	.0007963	.0178403	.0003939	.000487	1.8249	.003896	.0007845
%RSD	1.560331	23.07719	1.750029	345.1726	.9365209	189.2717	.4654138

#1	.0507004	.0648320	.0229609	-.000506	194.3601	-.006502	.1692850
#2	.0519413	.0693473	.0222586	.000412	196.8807	-.000444	.1686567
#3	.0504563	.0977415	.0223007	-.000330	193.3344	.000771	.1677258

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0183857	.0021428	.0007635	-.019880	.0012193	.3257965	.0093559
Stddev	.0138234	.0005679	.0001720	.000185	.0029955	.0110809	.0021502
%RSD	75.18581	26.50116	22.52807	.9285776	245.6742	3.401157	22.98210

#1	.0288847	.0024245	.0008598	-.019948	.0002293	.3383355	.0069239
#2	.0235484	.0025147	.0005650	-.019671	.0045845	.3173213	.0110048
#3	.0027239	.0014891	.0008659	-.020021	-.001156	.3217326	.0101389

Sample Name: Q3414-06 Acquired: 10/23/2025 20:22:36 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5128332	-.007012	-.007630
Stddev	.0018818	.002319	.000155
%RSD	.3669419	33.06853	2.030679

#1	.5147381	-.004836	-.007544
#2	.5127863	-.006749	-.007538
#3	.5109754	-.009451	-.007809

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6700.970	92069.03	5622.706	5215.243	7318.887
Stddev	25.025	183.64	44.809	9.600	24.984
%RSD	.3734518	.1994580	.7969240	.1840679	.3413578

#1	6672.213	92105.57	5611.424	5221.305	7292.121
#2	6712.889	92231.65	5672.078	5220.250	7322.949
#3	6717.806	91869.87	5584.617	5204.175	7341.591

Sample Name: Q3414-07 Acquired: 10/23/2025 20:26:48 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078578	-.001844	.1954766	.0040213	.0025531	.0477067	.0650572
Stddev	.0030573	.002829	.0014903	.0027054	.0023751	.0103182	.0007160
%RSD	38.90800	153.4299	.7623796	67.27613	93.03021	21.62850	1.100520

#1	.0043888	-.002410	.1960920	.0030769	.0021718	.0545633	.0656258
#2	.0090251	-.004347	.1965606	.0070723	.0003916	.0527167	.0652926
#3	.0101594	.001226	.1937772	.0019147	.0050958	.0358400	.0642531

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001297	.0004297	.5235013	.0009987	.0011786	.3332460	6.092688
Stddev	.0000233	.0000706	.0308351	.0001175	.0002457	.0003301	.015868
%RSD	17.99125	16.42274	5.890177	11.76480	20.85124	.0990613	.2604364

#1	.0001564	.0003717	.5130309	.0009952	.0010654	.3336118	6.110525
#2	.0001189	.0005083	.4992647	.0011179	.0014605	.3329702	6.087397
#3	.0001137	.0004091	.5582083	.0008830	.0010098	.3331560	6.080141

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0446512	.0690188	.0153248	.0003452	233.9241	-.003763	.1721810
Stddev	.0012640	.0540614	.0003796	.0001658	1.2721	.004734	.0007299
%RSD	2.830759	78.32854	2.476765	48.04905	.5438259	125.8227	.4239229

#1	.0437142	.0297923	.0157544	.0001710	235.3770	-.008858	.1720423
#2	.0460888	.0465774	.0150349	.0005012	233.3851	.000500	.1715304
#3	.0441507	.1306868	.0151850	.0003633	233.0102	-.002930	.1729703

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1131539	.0029872	.0008047	-.019956	-.001739	.2120565	.0058822
Stddev	.0713102	.0011017	.0002793	.000382	.002476	.0297839	.0012955
%RSD	63.02058	36.88068	34.70907	1.912522	142.3610	14.04526	22.02495

#1	.1843031	.0040287	.0008440	-.020396	-.004187	.2442382	.0070088
#2	.0416837	.0018338	.0005078	-.019722	.000763	.2064695	.0044665
#3	.1134748	.0030990	.0010623	-.019749	-.001793	.1854617	.0061712

Sample Name: Q3414-07 Acquired: 10/23/2025 20:26:48 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7314963	-.011940	-.003703
Stddev	.0087736	.000585	.000032
%RSD	1.199400	4.901220	.8720434
#1	.7364112	-.012458	-.003694
#2	.7367107	-.011305	-.003739
#3	.7213669	-.012058	-.003676

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6681.705	91566.63	5830.275	5212.152	7302.642
Stddev	18.386	566.08	39.114	31.575	19.672
%RSD	.2751642	.6182205	.6708761	.6057869	.2693824
#1	6661.783	90981.42	5865.979	5188.341	7280.867
#2	6698.019	92111.42	5836.379	5247.968	7319.130
#3	6685.315	91607.04	5788.468	5200.145	7307.930

Sample Name: Q3414-08 Acquired: 10/23/2025 20:30:58 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0125551	-.001670	.1623525	.0055228	.0035686	.0634257	.0602565
Stddev	.0025970	.000597	.0015879	.0040095	.0012974	.0125280	.0018643
%RSD	20.68447	35.78426	.9780814	72.59965	36.35709	19.75218	3.093970
#1	.0102259	-.001498	.1635934	.0053898	.0026141	.0508064	.0612173
#2	.0153553	-.001177	.1629011	.0015814	.0030459	.0758602	.0614443
#3	.0120840	-.002334	.1605630	.0095972	.0050459	.0636104	.0581077
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005975	.0004335	1.488485	.0008722	.0026476	.1105383	14.07679
Stddev	.0000370	.0000620	.014503	.0001019	.0000258	.0002501	.09690
%RSD	6.189421	14.29494	.9743415	11.67811	.9737716	.2262389	.6883553
#1	.0006323	.0003754	1.485888	.0008817	.0026743	.1104780	14.00721
#2	.0006015	.0004987	1.475456	.0009690	.0026229	.1108130	14.03570
#3	.0005587	.0004263	1.504111	.0007659	.0026456	.1103239	14.18747
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1358395	.1213504	.0235489	.0002250	208.4470	-.001609	.3301235
Stddev	.0007153	.0449995	.0003037	.0005521	1.1850	.000419	.0006894
%RSD	.5266033	37.08228	1.289575	245.3621	.5684758	26.02386	.2088434
#1	.1361948	.1398151	.0237338	-.000406	207.7474	-.001412	.3299999
#2	.1350161	.1541804	.0237144	.000465	207.7784	-.001324	.3295042
#3	.1363077	.0700556	.0231984	.000616	209.8152	-.002089	.3308663
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2626237	.0027376	.0009598	-.018192	-.000908	.3564343	.0099417
Stddev	.0362438	.0015516	.0003206	.000386	.001408	.0085477	.0013107
%RSD	13.80064	56.67834	33.40141	2.119195	155.1152	2.398101	13.18434
#1	.2507473	.0013902	.0010591	-.018425	.000288	.3576882	.0111786
#2	.2338082	.0044340	.0012190	-.017747	-.000552	.3642857	.0100786
#3	.3033157	.0023886	.0006013	-.018404	-.002460	.3473290	.0085678

Sample Name: Q3414-08 Acquired: 10/23/2025 20:30:58 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.901107	-.006816	-.009089
Stddev	.020766	.001316	.000002
%RSD	1.092293	19.30679	.0240971

#1	1.905585	-.005413	-.009091
#2	1.919268	-.007012	-.009087
#3	1.878468	-.008023	-.009088

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6598.051	89944.56	5756.057	5048.484	7230.954
Stddev	15.304	244.56	38.095	31.561	18.890
%RSD	.2319481	.2718974	.6618293	.6251619	.2612356

#1	6582.712	90196.09	5719.022	5072.001	7219.189
#2	6598.121	89929.97	5795.131	5060.836	7220.930
#3	6613.320	89707.63	5754.019	5012.615	7252.743

Sample Name: Q3417-09 Acquired: 10/23/2025 20:35:08 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0143556	-.002054	.0676540	.0021858	.0014611	.0611594	.0665991
Stddev	.0018667	.001704	.0010104	.0010301	.0005426	.0137114	.0014402
%RSD	13.00355	82.94894	1.493519	47.12864	37.13911	22.41917	2.162566

#1	.0162319	-.003971	.0671063	.0028578	.0020847	.0734964	.0661111
#2	.0124986	-.000715	.0688200	.0009998	.0010967	.0635846	.0682200
#3	.0143363	-.001475	.0670356	.0026998	.0012018	.0463972	.0654663

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009609	-.000141	2.699330	.0007809	.0027282	.0306107	25.75995
Stddev	.0000060	.000104	.012447	.0003933	.0000315	.0004675	.43879
%RSD	.6248440	73.91611	.4611116	50.35886	1.155307	1.527088	1.703378

#1	.0009625	-.000236	2.685209	.0003269	.0027166	.0307385	25.87552
#2	.0009542	-.000030	2.708709	.0010135	.0027639	.0310010	25.27495
#3	.0009659	-.000157	2.704072	.0010024	.0027041	.0300927	26.12939

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2969889	.1724167	.0217890	.0000380	281.5606	-.003036	.1911619
Stddev	.0029717	.0326458	.0001267	.0005999	3.4083	.001060	.0002307
%RSD	1.000605	18.93426	.5814508	1579.842	1.210513	34.91787	.1206572

#1	.2946466	.1397527	.0217918	-.000653	284.5047	-.004100	.1913678
#2	.2959884	.2050443	.0216610	.000339	277.8267	-.003026	.1912052
#3	.3003317	.1724531	.0219143	.000428	282.3504	-.001980	.1909126

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6188893	.0089612	.0007370	-.020338	-.000020	.6028236	.0152584
Stddev	.0175445	.0010716	.0000891	.001112	.003771	.0057450	.0014517
%RSD	2.834836	11.95786	12.08505	5.467283	18804.47	.9530133	9.514231

#1	.6386721	.0098679	.0006639	-.021300	.002865	.6090790	.0160913
#2	.6127779	.0077787	.0008362	-.020593	.001361	.6016084	.0161018
#3	.6052178	.0092370	.0007109	-.019121	-.004286	.5977835	.0135821

Sample Name: Q3417-09 Acquired: 10/23/2025 20:35:08 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.404205	-.008603	-.017054
Stddev	.012720	.000203	.000378
%RSD	.5290639	2.361987	2.219444
#1	2.414733	-.008495	-.017305
#2	2.407809	-.008837	-.016619
#3	2.390071	-.008476	-.017239

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6603.127	91040.45	5765.430	5142.319	7154.962
Stddev	4.793	9.07	100.818	30.856	9.562
%RSD	.0725864	.0099622	1.748667	.6000368	.1336476
#1	6601.242	91034.71	5840.256	5176.213	7145.954
#2	6608.576	91050.91	5650.783	5115.860	7164.996
#3	6599.563	91035.74	5805.252	5134.885	7153.935

Sample Name: CCV09 Acquired: 10/23/2025 20:39:26 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.315914	4.938859	5.376325	5.360708	5.143456	10.26751
Stddev	.003890	.091552	.010523	.006290	.009648	.01432
%RSD	.0731701	1.853698	.1957326	.1173387	.1875742	.1395050

#1	5.319875	4.986003	5.364722	5.367929	5.138257	10.28344
#2	5.312100	4.997232	5.379003	5.357772	5.137523	10.25568
#3	5.315766	4.833344	5.385251	5.356422	5.154588	10.26342

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.990404	2.595496	2.694813	25.69384	1.004925	2.625954
Stddev	.013524	.0021167	.003104	.08487	.002128	.004907
%RSD	.1353678	.8155151	.1151919	.3303068	.2118050	.1868716

#1	10.00040	.2612353	2.691535	25.73889	1.005138	2.620636
#2	9.97502	.2571741	2.695198	25.59595	1.002698	2.626921
#3	9.99579	.2602394	2.697707	25.74669	1.006939	2.630306

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.317214	4.852715	2.543802	26.34161	2.649920	1.324992
Stddev	.002013	.010904	.011324	.08460	.003414	.000332
%RSD	.1527872	.2246999	.4451767	.3211758	.1288521	.0250547

#1	1.315685	4.840191	2.547503	26.37486	2.646096	1.324705
#2	1.316462	4.857861	2.531089	26.24543	2.650997	1.324917
#3	1.319494	4.860095	2.552812	26.40453	2.652665	1.325356

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.70878	2.566879	2.654623	25.63997	F 5.727814	5.183482
Stddev	.12206	.005671	.003929	.12140	.038185	.002406
%RSD	.4747614	.2209384	.1480151	.4734872	.6666541	.0464179

#1	25.77039	2.562781	2.651561	25.51024	5.759493	5.184175
#2	25.78776	2.564505	2.659053	25.75084	5.685415	5.180805
#3	25.56820	2.573352	2.653255	25.65884	5.738535	5.185465

Sample Name: CCV09 Acquired: 10/23/2025 20:39:26 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV09 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.358036	5.042504	4.893519	F 5.557055	5.300365	4.862435
Stddev	.000972	.010416	.005109	.023808	.017406	.005802
%RSD	.0181317	.2065662	.1043982	.4284327	.3283862	.1193188
#1	5.358373	5.046964	4.887940	5.582994	5.312263	4.869088
#2	5.356941	5.030601	4.897968	5.551975	5.308444	4.858432
#3	5.358794	5.049948	4.894649	5.536197	5.280388	4.859784

Elem	Sr4077
Units	ppm
Avg	4.939057
Stddev	.111876
%RSD	2.265123
#1	4.983943
#2	4.811709
#3	5.021519

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6627.465	91101.14	5661.052	5040.808	7128.966
Stddev	1.793	205.19	26.503	12.526	6.158
%RSD	.0270556	.2252345	.4681601	.2484925	.0863862
#1	6628.458	91320.96	5639.515	5048.132	7131.147
#2	6625.395	91067.80	5690.649	5026.344	7122.014
#3	6628.542	90914.66	5652.993	5047.948	7133.737

Sample Name: CCB09 Acquired: 10/23/2025 20:43:29 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025606	.0029334	.0010429	.0014699	.0020480	.0091425
Stddev	.0008290	.0023115	.0004406	.0009349	.0016222	.0146503
%RSD	32.37357	78.79720	42.24297	63.60101	79.20738	160.2443

#1	.0034075	.0052801	.0010593	.0004134	.0003002	-.000135
#2	.0025235	.0006589	.0014751	.0021902	.0035053	.026032
#3	.0017508	.0028613	.0005944	.0018059	.0023386	.001530

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097854	.0000917	-.000106	.0018876	.0000831	.0000001
Stddev	.0023188	.0000627	.000048	.0105864	.0003436	.0002303
%RSD	23.69610	68.44878	45.27560	560.8545	413.5233	238803.8

#1	.0099574	.0000327	-.000109	.0015426	-.000033	.0001507
#2	.0120134	.0000847	-.000056	.0126422	-.000188	.0001146
#3	.0073855	.0001576	-.000152	-.008522	.000470	-.000265

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000199	-.002213	.0002181	-.016642	-.000397	.0000024
Stddev	.000373	.003619	.0004482	.021495	.000061	.0001608
%RSD	187.4539	163.4974	205.4701	129.1603	15.26266	6758.418

#1	.000191	-.006012	.0007059	-.038164	-.000376	-.000177
#2	-.000552	.001193	.0001241	-.016587	-.000350	.000050
#3	-.000235	-.001821	-.000176	.004825	-.000466	.000134

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8461873	-.004621	-.000194	.7866453	-.000464	.0002943
Stddev	.0239161	.003415	.000227	.0464185	.000247	.0000788
%RSD	2.826334	73.88900	116.9611	5.900820	53.24390	26.76591

#1	.8260365	-.000679	-.000412	.7330490	-.000399	.0002809
#2	.8399092	-.006636	-.000212	.8139482	-.000737	.0003790
#3	.8726162	-.006549	.000041	.8129387	-.000256	.0002231

Sample Name: CCB09 Acquired: 10/23/2025 20:43:29 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB09 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006019	-.000371	.0142889	-.002115	F .0133961	F .0195508
Stddev	.000118	.001846	.0070841	.000255	.0026037	.0042972
%RSD	1.968732	498.1447	49.57794	12.04641	19.43606	21.97960

#1	-.006066	.001761	.0166457	-.002097	.0146848	.0193481
#2	-.005884	-.001457	.0198941	-.001870	.0151040	.0239457
#3	-.006107	-.001416	.0063267	-.002379	.0103994	.0153585

Elem	Sr4077
Units	ppm
Avg	.0001509
Stddev	.0001677
%RSD	111.0928

#1	.0000019
#2	.0001184
#3	.0003325

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6828.470	95885.13	5712.109	5325.011	8186.288
Stddev	4.300	556.96	58.662	36.309	16.757
%RSD	.0629763	.5808607	1.026970	.6818577	.2046935

#1	6823.966	95260.56	5750.073	5284.363	8181.801
#2	6828.910	96064.64	5644.545	5336.439	8204.831
#3	6832.533	96330.21	5741.710	5354.232	8172.231

Sample Name: Q3414-10 Acquired: 10/23/2025 20:47:43 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0185697	-.000154	.1777814	.0060848	.0022110	.1260537	.0776414
Stddev	.0021014	.003397	.0003372	.0011569	.0004342	.0176756	.0019751
%RSD	11.31657	2206.970	.1896480	19.01393	19.63632	14.02224	2.543821
#1	.0208980	.000639	.1779608	.0056183	.0025781	.1097245	.0798810
#2	.0179976	.002776	.1773925	.0052339	.0023231	.1236145	.0768946
#3	.0168135	-.003878	.1779910	.0074021	.0017318	.1448222	.0761487
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010535	.0010894	2.142832	.0000276	.0047926	.1198414	29.05224
Stddev	.0001144	.0000573	.022876	.0001491	.0001109	.0003815	.35134
%RSD	10.85692	5.261649	1.067536	540.3948	2.313641	.3183369	1.209343
#1	.0009697	.0011442	2.116523	-.000078	.0048633	.1198303	28.80488
#2	.0011838	.0010298	2.153943	.000198	.0048497	.1202282	28.89743
#3	.0010070	.0010943	2.158030	-.000038	.0046648	.1194655	29.45439
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2360069	.2218791	.0520313	-.000366	335.0512	-.002298	.2961534
Stddev	.0017963	.0186396	.0003840	.000145	2.0693	.000943	.0013539
%RSD	.7611443	8.400783	.7380541	39.63060	.6176206	41.05036	.4571514
#1	.2346693	.2172085	.0524224	-.000230	332.7475	-.002374	.2948215
#2	.2353028	.2060189	.0520167	-.000519	335.6535	-.001319	.2975282
#3	.2380487	.2424098	.0516548	-.000349	336.7526	-.003200	.2961106
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7016368	.0159824	.0012132	-.020154	.0026993	.8624681	.0142989
Stddev	.0609693	.0008595	.0001608	.000549	.0013276	.0117418	.0005283
%RSD	8.689585	5.377915	13.25813	2.725497	49.18402	1.361422	3.694599
#1	.7516945	.0167440	.0012176	-.019589	.0011991	.8658966	.0137022
#2	.6337369	.0161527	.0010502	-.020687	.0037227	.8493936	.0147069
#3	.7194792	.0150505	.0013718	-.020185	.0031762	.8721140	.0144876

Sample Name: Q3414-10 Acquired: 10/23/2025 20:47:43 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.058667	-.007750	-.020994
Stddev	.021851	.000947	.000360
%RSD	1.061438	12.22094	1.715111

#1	2.059312	-.007837	-.020760
#2	2.036501	-.008650	-.020812
#3	2.080189	-.006762	-.021408

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6502.640	88798.26	5749.283	5072.579	6983.090
Stddev	22.171	485.12	35.484	46.481	27.263
%RSD	.3409605	.5463117	.6171938	.9163193	.3904086

#1	6506.967	88495.10	5732.725	5029.742	6986.943
#2	6478.624	89357.77	5725.104	5122.002	6954.106
#3	6522.329	88541.91	5790.020	5065.992	7008.222

Sample Name: Q3414-11 Acquired: 10/23/2025 20:52:00 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0116013	-.001274	.1324313	.0035217	.0022233	.0549134	.0578839
Stddev	.0013764	.001925	.0006606	.0025190	.0010595	.0125977	.0013894
%RSD	11.86400	151.1663	.4988452	71.52706	47.65417	22.94104	2.400251
#1	.0111171	-.000637	.1317932	.0052095	.0022075	.0429020	.0585358
#2	.0105324	.000253	.1331124	.0006263	.0032907	.0538130	.0588275
#3	.0131543	-.003437	.1323882	.0047293	.0011718	.0680252	.0562885
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004165	.0001983	.7216164	.0004535	.0022116	.1188396	12.50747
Stddev	.0000147	.0000229	.0026886	.0000615	.0000727	.0005650	.32257
%RSD	3.534870	11.56290	.3725822	13.55335	3.288362	.4754500	2.578993
#1	.0004022	.0002005	.7188377	.0004129	.0022495	.1192287	12.62943
#2	.0004155	.0002201	.7218066	.0005242	.0021278	.1190985	12.14170
#3	.0004316	.0001744	.7242049	.0004234	.0022576	.1181915	12.75127
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0826039	.0620891	.0161172	-.000169	280.2610	-.000059	.3409202
Stddev	.0002323	.0295128	.0002721	.000402	6.8740	.002357	.0088864
%RSD	.2811996	47.53290	1.687937	238.1854	2.452703	4003.060	2.606584
#1	.0823482	.0311307	.0158032	.000174	284.2589	.002417	.3476546
#2	.0828018	.0652318	.0162823	-.000070	272.3237	-.002275	.3308483
#3	.0826616	.0899047	.0162662	-.000610	284.2005	-.000319	.3442576
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4541926	.0109102	.0009291	-.019554	-.001712	.2853342	.0108415
Stddev	.0475377	.0010585	.0001537	.000173	.002223	.0034875	.0008666
%RSD	10.46641	9.702309	16.54252	.8851296	129.8208	1.222249	7.993792
#1	.4001705	.0109949	.0007800	-.019613	-.002521	.2879261	.0098929
#2	.4896319	.0098119	.0009204	-.019358	-.003417	.2813691	.0115918
#3	.4727754	.0119239	.0010870	-.019689	.000802	.2867074	.0110398

Sample Name: Q3414-11 Acquired: 10/23/2025 20:52:00 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.480392	-.010475	-.009278
Stddev	.001618	.001762	.000187
%RSD	.1092936	16.82319	2.013541

#1	1.481205	-.011734	-.009378
#2	1.481442	-.011230	-.009062
#3	1.478529	-.008461	-.009393

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6792.162	95016.74	5983.065	5401.353	7374.998
Stddev	42.845	2109.72	59.419	124.756	47.056
%RSD	.6307944	2.220366	.9931250	2.309718	.6380432

#1	6761.615	94009.67	5933.252	5322.350	7336.346
#2	6773.733	97441.29	5967.112	5545.176	7361.252
#3	6841.137	93599.27	6048.833	5336.534	7427.396

Sample Name: Q3414-12 Acquired: 10/23/2025 20:56:19 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0112680	.0008077	.1130291	.0041201	.0015573	.0437211	.0520760
Stddev	.0016007	.0015963	.0014913	.0009942	.0008352	.0127542	.0010930
%RSD	14.20573	197.6260	1.319379	24.12983	53.63224	29.17179	2.098815

#1	.0110543	.0025641	.1124879	.0051455	.0017559	.0343405	.0527410
#2	.0129649	.0004137	.1118840	.0040544	.0006407	.0385791	.0526724
#3	.0097849	-.000555	.1147155	.0031604	.0022753	.0582437	.0508146

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004623	.0001191	.7128595	.0018088	.0020265	.0681688	11.85191
Stddev	.0000904	.0000709	.0108428	.0002267	.0000344	.0003182	.05533
%RSD	19.55170	59.53607	1.521036	12.53024	1.699448	.4667372	.4668549

#1	.0003631	.0000498	.7250950	.0020427	.0019902	.0681372	11.90371
#2	.0005399	.0001159	.7090409	.0015902	.0020587	.0685016	11.79362
#3	.0004840	.0001915	.7044426	.0017934	.0020307	.0678676	11.85840

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0833383	.0586510	.0152059	.0000208	181.7579	-.004185	.3335232
Stddev	.0010465	.0352901	.0002416	.0004099	1.5380	.004381	.0010371
%RSD	1.255690	60.16970	1.588889	1976.013	.8462082	104.6782	.3109642

#1	.0821363	.0835843	.0149399	.0003725	183.3142	-.008084	.3345158
#2	.0840468	.0740975	.0154118	-.000429	180.2388	.000555	.3324467
#3	.0838317	.0182712	.0152658	.000119	181.7207	-.005025	.3336073

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3545469	.0050239	.0011290	-.019383	-.001197	.3005795	.0071414
Stddev	.0590400	.0005698	.0002363	.000573	.001038	.0184734	.0005793
%RSD	16.65224	11.34149	20.93151	2.956282	86.67138	6.145940	8.111724

#1	.2978649	.0049923	.0008574	-.019910	-.000600	.2864804	.0067286
#2	.4156917	.0056088	.0012417	-.019466	-.002396	.2937663	.0068919
#3	.3500842	.0044706	.0012879	-.018773	-.000596	.3214919	.0078036

Sample Name: Q3414-12 Acquired: 10/23/2025 20:56:19 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.446251	-.008509	-.008859
Stddev	.004062	.000983	.000031
%RSD	.2808488	11.55250	.3502605

#1	1.450383	-.007433	-.008842
#2	1.442263	-.008735	-.008839
#3	1.446106	-.009360	-.008895

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6617.293	91052.53	5689.895	5095.756	7287.017
Stddev	34.916	714.74	36.523	25.859	42.922
%RSD	.5276499	.7849762	.6418960	.5074644	.5890203

#1	6586.631	90245.52	5685.359	5076.468	7243.608
#2	6609.952	91605.72	5655.851	5125.140	7288.010
#3	6655.296	91306.34	5728.474	5085.659	7329.435

Sample Name: Q3414-13 Acquired: 10/23/2025 21:00:30 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0260263	-.000726	.2018176	.0061388	.0018116	.1184417	.0746446
Stddev	.0028376	.002484	.0011178	.0045265	.0022729	.0043758	.0007112
%RSD	10.90281	342.3099	.5538644	73.73496	125.4683	3.694441	.9528268

#1	.0228682	-.002174	.2006201	.0056578	-.000331	.1201480	.0741806
#2	.0268492	.002143	.2028335	.0018721	.001569	.1134698	.0742898
#3	.0283615	-.002146	.2019993	.0108866	.004196	.1217072	.0754635

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012935	.0004225	2.168093	-.000280	.0073500	.0291959	31.65592
Stddev	.0000663	.0000794	.016690	.000263	.0001650	.0002137	.38877
%RSD	5.128629	18.79801	.7697891	93.89276	2.244461	.7318706	1.228107

#1	.0013212	.0003503	2.149957	-.000166	.0075014	.0294405	31.93389
#2	.0012178	.0004097	2.171517	-.000093	.0073745	.0291017	31.82221
#3	.0013414	.0005075	2.182806	-.000581	.0071742	.0290456	31.21166

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2331822	.2435926	.0436420	-.000561	235.3396	-.000698	.7978004
Stddev	.0016087	.0209924	.0003302	.000470	3.4481	.007406	.0008650
%RSD	.6899042	8.617813	.7565777	83.90263	1.465173	1060.399	.1084175

#1	.2341633	.2556139	.0439920	-.000160	237.8796	-.005864	.7982782
#2	.2340578	.2193530	.0433361	-.000443	236.7249	-.004018	.7968019
#3	.2313256	.2558110	.0435979	-.001079	231.4142	.007787	.7983210

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7092116	.0131991	.0059817	-.020003	.0000443	1.060497	.0121760
Stddev	.0303712	.0023666	.0001465	.000299	.0025381	.032756	.0008032
%RSD	4.282396	17.93025	2.449105	1.494464	5723.959	3.088735	6.596608

#1	.6753162	.0145891	.0059590	-.019964	-.000613	1.065257	.0117315
#2	.7339528	.0145418	.0061382	-.019725	-.002100	1.090613	.0116933
#3	.7183659	.0104665	.0058478	-.020319	.002846	1.025622	.0131032

Sample Name: Q3414-13 Acquired: 10/23/2025 21:00:30 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.293624	-.008588	-.023615
Stddev	.022645	.001641	.000443
%RSD	.6875530	19.10865	1.878031

#1	3.290622	-.010061	-.023779
#2	3.317620	-.006819	-.023952
#3	3.272629	-.008886	-.023112

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6567.591	89341.29	5776.127	5001.357	7173.598
Stddev	30.373	343.58	17.405	11.781	42.279
%RSD	.4624615	.3845719	.3013203	.2355627	.5893654

#1	6540.068	89151.19	5784.479	4987.899	7138.954
#2	6562.528	89134.76	5787.782	5006.367	7161.131
#3	6600.177	89737.91	5756.121	5009.805	7220.708

Sample Name: Q3427-04 Acquired: 10/23/2025 21:04:38 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001381	.0018295	.0026553	.0036107	.0013135	.0409964	.1691209
Stddev	.0004104	.0000254	.0008589	.0038773	.0019858	.0054593	.0007726
%RSD	297.1857	1.386296	32.34694	107.3828	151.1818	13.31651	.4568246
#1	-.000324	.0018025	.0023744	-.000722	-.000421	.0446758	.1689286
#2	.000462	.0018332	.0019720	.004801	.003480	.0347238	.1699715
#3	.000276	.0018528	.0036195	.006753	.000882	.0435895	.1684626
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000023	.0000003	6.657561	.0009215	-.000271	.0095493	.0398000
Stddev	.000022	.0000378	.025299	.0000824	.000066	.0004931	.0100050
%RSD	93.03859	14651.36	.3799984	8.943948	24.37093	5.163642	25.13817
#1	-.000037	-.000042	6.673508	.0008668	-.000235	.0093078	.0410899
#2	-.000034	.000030	6.628392	.0008813	-.000231	.0092234	.0490976
#3	.000002	.000013	6.670785	.0010163	-.000347	.0101165	.0292127
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0456067	.7722121	.0006143	.0005768	282.5415	-.000442	.0461946
Stddev	.0005774	.0146192	.0000813	.0003859	4.1892	.000871	.0003483
%RSD	1.266105	1.893155	13.24100	66.90463	1.482693	197.2582	.7539718
#1	.0461818	.7757751	.0005397	.0009877	287.3759	-.000660	.0462277
#2	.0450270	.7561408	.0006022	.0005209	280.2683	.000518	.0465252
#3	.0456112	.7847205	.0007010	.0002219	279.9802	-.001184	.0458310
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7706610	.0194428	.0003447	-.020374	.0019481	.5550307	.0911901
Stddev	.0665734	.0011474	.0001510	.000502	.0014568	.0087612	.0015508
%RSD	8.638477	5.901639	43.81143	2.463026	74.78393	1.578499	1.700595
#1	.7929924	.0181455	.0001923	-.019907	.0025405	.5509176	.0895881
#2	.8231977	.0203248	.0004943	-.020311	.0002883	.5650916	.0912981
#3	.6957929	.0198580	.0003477	-.020905	.0030153	.5490829	.0926840

Sample Name: Q3427-04 Acquired: 10/23/2025 21:04:38 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3087169	-.009652	.0404086
Stddev	.0015880	.000987	.0003762
%RSD	.5144027	10.22834	.9309220
#1	.3069861	-.009727	.0401432
#2	.3101069	-.010600	.0402437
#3	.3090576	-.008630	.0408391

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6713.516	88704.05	5809.222	4968.877	7258.620
Stddev	20.680	306.05	11.720	16.078	28.808
%RSD	.3080301	.3450189	.2017430	.3235697	.3968827
#1	6728.336	88922.36	5800.664	4980.956	7275.473
#2	6689.891	88354.23	5822.580	4950.628	7225.356
#3	6722.322	88835.56	5804.423	4975.047	7275.032

Sample Name: Q3427-04DUP Acquired: 10/23/2025 21:08:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001620	-.000078	.0025062	.0060373	.0019740	.0431610	.1720936
Stddev	.0010912	.002028	.0016239	.0013796	.0019959	.0220979	.0021925
%RSD	673.4656	2587.391	64.79474	22.85116	101.1100	51.19885	1.273991
#1	.0003914	-.002416	.0015922	.0045754	.0002109	.0566287	.1738878
#2	-.001026	.000960	.0015453	.0062201	.0015702	.0551963	.1727434
#3	.001120	.001221	.0043812	.0073164	.0041408	.0176579	.1696497
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000293	-.000062	6.624376	.0009426	-.000019	.0096983	.0135285
Stddev	.0000271	.000043	.046998	.0003111	.000098	.0001513	.0069153
%RSD	92.48225	70.15464	.7094637	33.00976	512.7581	1.559702	51.11660
#1	.0000156	-.000077	6.665387	.0008724	.000003	.0095272	.0208129
#2	.0000605	-.000013	6.634648	.0006725	.000066	.0098142	.0070536
#3	.0000118	-.000095	6.573092	.0012828	-.000127	.0097536	.0127189
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0439797	.8000016	.0002846	.0000515	285.6858	-.001446	.0448886
Stddev	.0013766	.0110566	.0003017	.0004811	4.8603	.004035	.0001831
%RSD	3.130091	1.382079	106.0181	934.2027	1.701272	279.0942	.4078892
#1	.0446957	.8040623	-.000014	.0005786	291.2693	-.006058	.0450928
#2	.0448508	.8084537	.000279	-.000364	283.3845	.001435	.0447392
#3	.0423926	.7874887	.000589	-.000060	282.4035	.000285	.0448338
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6822711	.0187387	.0006035	-.020496	.0005370	.5619578	.0938675
Stddev	.0117714	.0003104	.0000823	.000685	.0015744	.0138019	.0004039
%RSD	1.725332	1.656669	13.63326	3.340843	293.1928	2.456032	.4302887
#1	.6924036	.0190547	.0006004	-.020636	-.000676	.5513896	.0938207
#2	.6693585	.0187273	.0006872	-.021101	.002316	.5775727	.0942927
#3	.6850513	.0184341	.0005228	-.019753	-.000030	.5569110	.0934889

Sample Name: Q3427-04DUP Acquired: 10/23/2025 21:08:59 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3061848	-.011177	.0403472
Stddev	.0044504	.001295	.0003860
%RSD	1.453492	11.58165	.9567878
#1	.3079773	-.012602	.0404352
#2	.3094594	-.010858	.0406817
#3	.3011177	-.010072	.0399248

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6501.992	88320.81	5768.042	4960.320	7026.269
Stddev	17.969	693.89	10.765	35.707	20.885
%RSD	.2763688	.7856505	.1866237	.7198517	.2972392
#1	6511.598	87607.05	5756.312	4919.618	7038.805
#2	6481.261	88992.96	5770.347	4974.969	7002.159
#3	6513.117	88362.42	5777.468	4986.373	7037.842

Sample Name: Q3427-04LX5 Acquired: 10/23/2025 21:13:20 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013999	.0049544	.0004083	.0025756	.0021342	.0028655	.0451292
Stddev	.0014769	.0021184	.0012217	.0034145	.0011163	.0063697	.0019617
%RSD	105.4950	42.75875	299.2246	132.5706	52.30403	222.2901	4.346835

#1	.0024713	.0040259	-.000109	.0063074	.0010440	-.003973	.0465552
#2	-.000285	.0034587	-.000470	.0018114	.0020837	.003939	.0459405
#3	.002013	.0073785	.001804	-.000392	.0032748	.008630	.0428921

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000015	-.000049	1.543436	.0001897	-.000010	.0024339	.0061953
Stddev	.000052	.000054	.017450	.0000999	.000219	.0001299	.0086088
%RSD	352.6938	109.9252	1.130573	52.66257	2157.170	5.336924	138.9567

#1	.000005	-.000069	1.554144	.0002972	-.000183	.0024585	.0137518
#2	.000024	-.000090	1.552863	.0000998	.000236	.0025497	-.003176
#3	-.000074	.000012	1.523300	.0001720	-.000083	.0022935	.008010

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109015	.1820914	-.000125	.0003912	65.79127	-.004395	.0098156
Stddev	.0004255	.0163428	.000138	.0006460	.44206	.003262	.0001842
%RSD	3.902696	8.975077	110.7403	165.1544	.6719096	74.22197	1.876868

#1	.0106690	.1994258	-.000231	.0008288	65.48649	-.001303	.0098037
#2	.0113926	.1798841	-.000175	.0006955	66.29827	-.004078	.0100055
#3	.0106430	.1669644	.000031	-.000351	65.58906	-.007804	.0096376

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.343364	-.004222	.0001467	-.007067	.0002423	.1306436	.0168691
Stddev	.125007	.000248	.0000272	.000326	.0020147	.0119609	.0005739
%RSD	9.305486	5.881169	18.55396	4.614142	831.5254	9.155397	3.402045

#1	1.205083	-.004399	.0001179	-.007119	-.001027	.1315902	.0169807
#2	1.376652	-.003938	.0001721	-.006717	-.000812	.1182375	.0173790
#3	1.448357	-.004328	.0001500	-.007363	.002565	.1421031	.0162476

Sample Name: Q3427-04LX5 Acquired: 10/23/2025 21:13:20 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0924085	.0302119	.0092626
Stddev	.0034416	.0006531	.0002423
%RSD	3.724356	2.161767	2.616146
#1	.0953631	.0306338	.0094824
#2	.0932328	.0294596	.0093026
#3	.0886295	.0305422	.0090027

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6492.971	90040.27	5610.456	5076.415	7270.143
Stddev	15.294	385.90	62.065	15.704	26.761
%RSD	.2355470	.4285912	1.106240	.3093584	.3680927
#1	6481.411	90462.48	5554.479	5089.794	7263.422
#2	6487.189	89705.76	5599.688	5059.124	7247.383
#3	6510.313	89952.58	5677.200	5080.326	7299.624

Sample Name: Q3427-04MS Acquired: 10/23/2025 21:17:34 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7983516	1.681345	.9478960	1.972033	.7884376	1.921366	.4058157
Stddev	.0036455	.050570	.0021089	.007817	.0028398	.020540	.0034166
%RSD	.4566306	3.007691	.2224786	.3964010	.3601840	1.069038	.8419104

#1	.8025107	1.680492	.9477213	1.963009	.7861795	1.943774	.4097555
#2	.7968341	1.631207	.9500869	1.976734	.7916258	1.903432	.4040247
#3	.7957099	1.732335	.9458800	1.976356	.7875073	1.916891	.4036670

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1911904	.1989347	9.333323	.3773827	.1961590	.3021742	2.878421
Stddev	.0021015	.0002799	.076826	.0022278	.0005936	.0012095	.035457
%RSD	1.099153	.1406949	.8231350	.5903304	.3026143	.4002593	1.231812

#1	.1899267	.1989198	9.421677	.3748235	.1960436	.3017592	2.892840
#2	.1900283	.1992218	9.282264	.3784365	.1968018	.3035366	2.904396
#3	.1936163	.1986626	9.296028	.3788880	.1956315	.3012270	2.838026

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2612042	2.949479	.4935479	.0695986	357.1177	.2887662	.2566141
Stddev	.0023771	.068432	.0008746	.0008557	3.8900	.0031848	.0009057
%RSD	.9100404	2.320122	.1772004	1.229452	1.089273	1.102917	.3529303

#1	.2638852	2.990991	.4930053	.0690113	352.7504	.2923408	.2557689
#2	.2593541	2.870495	.4945568	.0692041	360.2109	.2862305	.2575701
#3	.2603732	2.986950	.4930816	.0705804	358.3916	.2877274	.2565033

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.79420	.3130030	.4150615	.7145166	.1968810	1.514097	6.410831
Stddev	.16309	.0043049	.0008088	.0011449	.0017854	.041750	.007441
%RSD	1.510933	1.375342	.1948526	.1602285	.9068634	2.757401	.1160761

#1	10.93053	.3100909	.4150373	.7145409	.1987479	1.560354	6.402645
#2	10.83854	.3109703	.4158821	.7156491	.1951901	1.479209	6.412663
#3	10.61352	.3179478	.4142651	.7133597	.1967051	1.502729	6.417186

Sample Name: Q3427-04MS Acquired: 10/23/2025 21:17:34 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3792948	.1753802	.2347133
Stddev	.0035760	.0021805	.0010513
%RSD	.9427882	1.243285	.4479140

#1	.3795212	.1778817	.2357579
#2	.3756110	.1743765	.2347266
#3	.3827522	.1738822	.2336554

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6320.680	85617.73	5381.499	4919.448	6724.838
Stddev	19.617	337.57	62.371	29.545	11.895
%RSD	.3103694	.3942798	1.158994	.6005724	.1768849

#1	6309.216	85888.44	5433.175	4951.317	6715.575
#2	6309.493	85239.49	5399.104	4892.969	6720.687
#3	6343.332	85725.26	5312.217	4914.058	6738.253

Sample Name: Q3427-04MSD Acquired: 10/23/2025 21:21:43 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8260152	1.680011	.9821122	2.051332	.7756263	2.128063	.3921923
Stddev	.0015726	.113418	.0024932	.004351	.0048166	.009795	.0028756
%RSD	.1903823	6.751054	.2538635	.2121030	.6209968	.4602989	.7331991

#1	.8257888	1.567804	.9842981	2.052785	.7810717	2.139284	.3948468
#2	.8245681	1.677627	.9826417	2.046440	.7738837	2.123683	.3891376
#3	.8276887	1.794603	.9793967	2.054770	.7719235	2.121222	.3925924

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1961077	.2066388	8.966170	.3920913	.2035710	.3130889	2.915241
Stddev	.0015903	.0004840	.042798	.0014468	.0001862	.0011033	.008720
%RSD	.8109537	.2342409	.4773220	.3690037	.0914604	.3523832	.2991133

#1	.1978843	.2070349	9.008695	.3905653	.2035942	.3142106	2.905286
#2	.1956219	.2067823	8.923106	.3922655	.2037444	.3130511	2.918912
#3	.1948170	.2060993	8.966708	.3934432	.2033743	.3120051	2.921526

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2534990	2.948953	.5129167	.0713970	328.7360	.2933267	.2620560
Stddev	.0003560	.034390	.0013296	.0007217	1.8542	.0060373	.0016864
%RSD	.1404193	1.166191	.2592158	1.010755	.5640435	2.058210	.6435190

#1	.2534310	2.982973	.5132622	.0705651	330.2620	.2991305	.2601225
#2	.2531819	2.949680	.5140394	.0717712	329.2736	.2937693	.2632229
#3	.2538840	2.914204	.5114485	.0718548	326.6724	.2870803	.2628226

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.76012	.3183257	.4087956	.7008157	.1879975	1.457055	6.539370
Stddev	.05417	.0040738	.0004159	.0012633	.0016448	.036382	.005690
%RSD	.5034708	1.279743	.1017295	.1802670	.8749019	2.496929	.0870131

#1	10.70841	.3224098	.4089267	.6994223	.1894681	1.422570	6.535968
#2	10.75550	.3183048	.4091301	.7018863	.1862214	1.495075	6.536202
#3	10.81646	.3142624	.4083300	.7011384	.1883030	1.453519	6.545939

Sample Name: Q3427-04MSD Acquired: 10/23/2025 21:21:43 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3709783	.1700564	.2327796
Stddev	.0008128	.0012893	.0011030
%RSD	.2190827	.7581772	.4738219

#1	.3704214	.1692302	.2339781
#2	.3706026	.1715421	.2325536
#3	.3719109	.1693970	.2318072

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6368.079	86766.57	5489.376	4946.735	6786.718
Stddev	10.315	332.88	68.983	38.706	6.931
%RSD	.1619810	.3836520	1.256664	.7824517	.1021220

#1	6356.222	86578.82	5411.881	4958.063	6779.740
#2	6373.032	87150.91	5544.077	4978.514	6786.815
#3	6374.983	86569.97	5512.171	4903.630	6793.600

Sample Name: Q3427-04A Acquired: 10/23/2025 21:25:54 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7840597	1.690946	.9451158	1.960798	.7384449	1.876622	.3337437
Stddev	.0064510	.035927	.0027300	.005659	.0068023	.010280	.0025166
%RSD	.8227758	2.124678	.2888497	.2886177	.9211644	.5477786	.7540416

#1	.7891337	1.658360	.9475178	1.967005	.7434738	1.864752	.3366471
#2	.7862457	1.729474	.9456826	1.959466	.7411557	1.882572	.3323956
#3	.7767997	1.685005	.9421469	1.955924	.7307051	1.882542	.3321883

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1863554	.1978313	7.301356	.3755996	.1939509	.2980326	2.724485
Stddev	.0004980	.0004026	.014135	.0007312	.0003792	.0013369	.024853
%RSD	.2672488	.2035295	.1935875	.1946791	.1955164	.4485795	.9122186

#1	.1866255	.1982380	7.288400	.3748657	.1941850	.2988142	2.727011
#2	.1866600	.1978231	7.299240	.3756050	.1941544	.2987946	2.698465
#3	.1857806	.1974328	7.316430	.3763281	.1935134	.2964889	2.747978

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2280375	2.686216	.4903834	.0676157	262.2435	.2845663	.2406574
Stddev	.0017392	.037420	.0021231	.0017379	3.0253	.0009649	.0013122
%RSD	.7626841	1.393036	.4329581	2.570320	1.153625	.3390828	.5452527

#1	.2279879	2.646308	.4918240	.0659378	259.1944	.2848283	.2415292
#2	.2263236	2.720514	.4913810	.0675012	265.2445	.2834974	.2412946
#3	.2298009	2.691826	.4879451	.0694080	262.2916	.2853731	.2391482

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.848026	.2977416	.3933340	.6700195	.1758486	1.325605	6.130092
Stddev	.140933	.0006179	.0015794	.0033952	.0006614	.021326	.010169
%RSD	1.431078	.2075400	.4015329	.5067297	.3761173	1.608797	.1658880

#1	9.842418	.2970344	.3945229	.6724623	.1763265	1.350161	6.129405
#2	9.709981	.2980135	.3939372	.6714537	.1750938	1.314919	6.140588
#3	9.991679	.2981770	.3915420	.6661426	.1761256	1.311733	6.120284

Sample Name: Q3427-04A Acquired: 10/23/2025 21:25:54 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2777526	.1626369	.2113860
Stddev	.0037017	.0032219	.0004378
%RSD	1.332740	1.981046	.2070889

#1	.2762644	.1617413	.2115304
#2	.2819668	.1599574	.2108942
#3	.2750265	.1662118	.2117332

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6749.842	93112.24	5869.326	5246.581	7243.626
Stddev	19.077	435.02	2.837	9.770	11.601
%RSD	.2826361	.4671951	.0483339	.1862091	.1601497

#1	6729.711	93396.81	5872.074	5253.338	7230.574
#2	6752.160	93328.42	5866.408	5235.380	7247.545
#3	6767.654	92611.48	5869.497	5251.027	7252.760

Sample Name: CCV10 Acquired: 10/23/2025 21:30:03 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.006505	4.825711	5.109855	5.043272	4.818389	9.717856
Stddev	.016659	.203016	.012065	.021909	.012897	.056959
%RSD	.3327392	4.206967	.2361080	.4344275	.2676699	.5861274

#1	5.011612	4.641345	5.105641	5.040197	4.824420	9.765836
#2	5.020012	5.043283	5.123462	5.066556	4.827165	9.654908
#3	4.987891	4.792505	5.100463	5.023062	4.803580	9.732824

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.493026	2.537055	2.566560	24.72127	9.621992	2.489593
Stddev	.041659	.0036924	.005358	.09541	.0045917	.004910
%RSD	.4388411	1.455402	.2087433	.3859260	.4772048	.1972343

#1	9.531281	2.579320	2.566389	24.80548	9.664876	2.489977
#2	9.448641	2.520784	2.572001	24.61765	9.573549	2.494300
#3	9.499155	2.511060	2.561290	24.74068	9.627551	2.484502

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.249546	4.662898	2.426785	25.38708	2.512770	1.276364
Stddev	.003219	.044875	.016893	.11933	.003714	.002591
%RSD	.2576353	.9623836	.6961263	.4700567	.1477982	.2029767

#1	1.251396	4.626492	2.441720	25.52475	2.513914	1.279144
#2	1.251413	4.649168	2.408450	25.31308	2.515778	1.274017
#3	1.245828	4.713034	2.430185	25.32342	2.508619	1.275932

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.72744	2.463997	2.530480	24.36363	F 5.610273	4.926057
Stddev	.04156	.009061	.006500	.26379	.086141	.018907
%RSD	.1751519	.3677450	.2568757	1.082733	1.535416	.3838136

#1	23.73534	2.472732	2.530457	24.06978	5.709708	4.933507
#2	23.68250	2.454641	2.523991	24.44109	5.562736	4.940104
#3	23.76448	2.464618	2.536991	24.58001	5.558375	4.904560

Sample Name: CCV10 Acquired: 10/23/2025 21:30:03 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV10 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.099184	4.812599	4.646703	5.332318	4.981369	4.564194
Stddev	.019861	.017653	.057765	.027039	.038468	.018818
%RSD	.3894998	.3668115	1.243134	.5070739	.7722384	.4122894

#1	5.100853	4.827105	4.583656	5.320895	4.957078	4.579399
#2	5.118158	4.792944	4.659369	5.363193	5.025721	4.543148
#3	5.078540	4.817748	4.697083	5.312865	4.961309	4.570034

Elem	Sr4077
Units	ppm
Avg	4.737757
Stddev	.126485
%RSD	2.669715

#1	4.804609
#2	4.591875
#3	4.816788

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6613.136	89169.19	5488.568	4947.113	7116.155
Stddev	21.362	316.72	76.492	9.363	17.311
%RSD	.3230250	.3551952	1.393653	.1892659	.2432581

#1	6599.856	88911.29	5400.316	4954.361	7110.555
#2	6601.774	89522.71	5535.811	4950.436	7102.337
#3	6637.778	89073.57	5529.576	4936.541	7135.572

Sample Name: CCB10 Acquired: 10/23/2025 21:34:06 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015793	.0030363	.0004019	.0017174	.0020194	-.005936
Stddev	.0004162	.0015261	.0006122	.0024019	.0013477	.004562
%RSD	26.34939	50.26298	152.3147	139.8572	66.73636	76.85231

#1	.0013583	.0047985	.0004705	.0039789	.0023254	-.004657
#2	.0020594	.0021426	.0009770	-.000804	.0005450	-.002150
#3	.0013204	.0021679	-.000242	.001977	.0031878	-.011000

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0096331	.0000354	-.000044	-.002540	.0001320	.0000516
Stddev	.0011243	.0001587	.000095	.009435	.0002325	.0000426
%RSD	11.67106	448.1519	216.9809	371.4122	176.2084	82.50258

#1	.0092249	-.000136	.000026	-.003524	.0001407	.0000249
#2	.0109045	.000177	-.000152	-.011445	-.000105	.0000292
#3	.0087700	.000066	-.000006	.007348	.000360	.0001007

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000271	-.003795	-.000004	-.023801	-.000154	-.000213
Stddev	.0005663	.012429	.000674	.014429	.000216	.000259
%RSD	2088.273	327.5064	18269.20	60.62349	140.6569	121.7208

#1	-.000140	-.008726	.000006	-.025247	.000094	-.000472
#2	.000658	.010343	.000665	-.037451	-.000304	-.000213
#3	-.000437	-.013002	-.000682	-.008703	-.000252	.000046

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1.016998	.0003215	.0000207	F 1.007121	-.000216	.0003494
Stddev	.067981	.0034118	.0001976	.088118	.000310	.0002535
%RSD	6.684451	1061.059	955.9905	8.749506	143.4999	72.53019

#1	.941148	.0019124	.0002252	.952923	.000052	.0004044
#2	1.037418	-.003595	-.000169	.959642	-.000144	.0005709
#3	1.072429	.002647	.000006	1.108797	-.000556	.0000730

Sample Name: CCB10 Acquired: 10/23/2025 21:34:06 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB10 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006258	-.000416	.0027100	-.003954	F .0142628	F .0190451
Stddev	.000398	.001389	.0106578	.000866	.0024892	.0010474
%RSD	6.354903	333.5734	393.2759	21.89499	17.45251	5.499526

#1	-.005812	-.001586	-.005110	-.002955	.0158711	.0180676
#2	-.006576	-.000783	.014850	-.004454	.0113956	.0189171
#3	-.006386	.001119	-.001609	-.004454	.0155217	.0201506

Elem	Sr4077
Units	ppm
Avg	.0000812
Stddev	.0001164
%RSD	143.2914

#1	-.000053
#2	.000158
#3	.000139

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6665.617	92302.34	5412.627	5134.301	7972.800
Stddev	8.831	392.09	11.499	15.818	16.759
%RSD	.1324901	.4247915	.2124504	.3080786	.2101982

#1	6664.554	92521.94	5407.438	5143.081	7959.913
#2	6657.365	92535.43	5404.637	5143.780	7966.741
#3	6674.932	91849.66	5425.807	5116.040	7991.746

Sample Name: PB170225BL Acquired: 10/23/2025 21:38:19 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014030	.0039678	.0006724	.0034672	.0020160	-.021605
Stddev	.0020316	.0026490	.0012855	.0028578	.0024637	.007537
%RSD	144.8100	66.76403	191.1899	82.42502	122.2060	34.88530

#1	.0028754	.0019810	-.000387	.0066453	-.000609	-.021339
#2	.0022483	.0069753	.000302	.0011086	.002380	-.014204
#3	-.000915	.0029470	.002102	.0026477	.004277	-.029271

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081445	.0000997	-.000092	-.008642	.0000448	-.000073
Stddev	.0002851	.0000237	.000017	.007197	.0003100	.000061
%RSD	3.500520	23.79020	18.52254	83.27224	691.2183	82.98602

#1	.0080494	.0001261	-.000074	-.011797	.0001153	-.000101
#2	.0084650	.0000932	-.000094	-.000407	-.000294	-.000116
#3	.0079191	.0000800	-.000108	-.013722	.000314	-.000004

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000167	-.004651	-.000017	-.040692	-.000300	-.000198
Stddev	.000320	.008820	.000992	.048137	.000200	.000246
%RSD	191.8041	189.6541	5695.086	118.2962	66.69332	124.6393

#1	-.000520	-.014605	.000948	.014692	-.000107	-.000227
#2	-.000083	.002191	.000033	-.072461	-.000506	.000062
#3	.000103	-.001537	-.001034	-.064306	-.000287	-.000428

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6093271	-.000664	-.000273	.6527595	-.005999	.0000853
Stddev	.0375813	.005142	.000027	.0180475	.000745	.0003403
%RSD	6.167667	774.2202	9.752767	2.764802	12.41716	398.7253

#1	.5718555	-.006421	-.000261	.6507383	-.005626	-.000043
#2	.6091086	.000957	-.000255	.6358077	-.005515	-.000172
#3	.6470171	.003472	-.000304	.6717325	-.006857	.000471

Sample Name: PB170225BL Acquired: 10/23/2025 21:38:19 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005851	-.001178	.0262507	-.003813	F .0149079	.0076582
Stddev	.000122	.002719	.0167166	.000696	.0004753	.0019011
%RSD	2.091390	230.8199	63.68038	18.24929	3.188178	24.82465

#1	-.005991	.001185	.0131762	-.003108	.0153223	.0068667
#2	-.005768	-.000570	.0450858	-.003831	.0150123	.0098272
#3	-.005793	-.004149	.0204902	-.004499	.0143890	.0062807

Elem	Sr4077
Units	ppm
Avg	-.000249
Stddev	.000182
%RSD	73.08858

#1	-.000108
#2	-.000454
#3	-.000184

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6741.578	92316.38	5472.177	5146.073	8057.973
Stddev	8.303	668.32	17.840	19.391	21.043
%RSD	.1231547	.7239468	.3260084	.3768059	.2611499

#1	6735.328	92183.67	5472.929	5131.630	8041.431
#2	6750.998	93041.10	5453.973	5168.112	8081.658
#3	6738.406	91724.37	5489.629	5138.477	8050.829

Sample Name: PB170225BS Acquired: 10/23/2025 21:42:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7718903	1.753476	.9500528	1.932087	.7696221	1.848597
Stddev	.0018535	.040742	.0008004	.006857	.0012065	.009195
%RSD	.2401276	2.323524	.0842454	.3549255	.1567707	.4974018

#1	.7717403	1.799393	.9493114	1.936217	.7690864	1.851643
#2	.7738143	1.721648	.9509014	1.924172	.7687762	1.838266
#3	.7701164	1.739387	.9499457	1.935874	.7710037	1.855883

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1836651	.2076023	.1890495	.9727898	.3701113	.1902879
Stddev	.0044188	.0004289	.0000902	.0048522	.0001908	.0001800
%RSD	2.405915	.2066136	.0477153	.4987891	.0515510	.0946046

#1	.1858648	.2072631	.1891040	.9770105	.3699834	.1902488
#2	.1865524	.2080845	.1890991	.9738704	.3703306	.1904842
#3	.1785781	.2074594	.1889454	.9674884	.3700199	.1901306

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3029205	2.602912	.1943475	1.998222	.4786104	.0716761
Stddev	.0006404	.019902	.0008287	.016111	.0006571	.0008061
%RSD	.2113917	.7645921	.4263805	.8062852	.1372953	1.124683

#1	.3022392	2.625477	.1938837	2.000612	.4780864	.0716412
#2	.3035100	2.587860	.1953042	2.013005	.4783972	.0708880
#3	.3030122	2.595401	.1938546	1.981049	.4793477	.0724992

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.798436	.2806480	.1991396	8.777918	.3293840	.3866805
Stddev	.014155	.0020931	.0014028	.060942	.0013720	.0005904
%RSD	.5058021	.7457971	.7044389	.6942685	.4165253	.1526951

#1	2.784381	.2816054	.2006981	8.810163	.3282185	.3871296
#2	2.812688	.2782475	.1979779	8.707627	.3308960	.3860117
#3	2.798238	.2820912	.1987429	8.815963	.3290374	.3869001

Sample Name: PB170225BS Acquired: 10/23/2025 21:42:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6703522	.1852662	.7626297	5.835850	F .0115700	.1888692
Stddev	.0007746	.0026357	.0110770	.027417	.0021093	.0021686
%RSD	.1155441	1.422672	1.452477	.4698075	18.23105	1.148218

#1	.6707628	.1837518	.7650396	5.839897	.0119187	.1871078
#2	.6694587	.1837372	.7723034	5.806635	.0134831	.1912913
#3	.6708349	.1883097	.7505461	5.861019	.0093080	.1882084

Elem	Sr4077
Units	ppm
Avg	.1821114
Stddev	.0008461
%RSD	.4646229

#1	.1824918
#2	.1827005
#3	.1811418

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6764.183	93278.68	5402.104	5302.974	7752.452
Stddev	8.176	223.74	16.812	20.294	7.151
%RSD	.1208697	.2398644	.3112171	.3826970	.0922358

#1	6772.377	93525.33	5421.038	5289.899	7756.143
#2	6756.025	93221.93	5396.351	5326.353	7744.211
#3	6764.148	93088.77	5388.923	5292.669	7757.004

Sample Name: Q3417-01 Acquired: 10/23/2025 21:46:34 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4009329	-.742825	-.054122	.8842752	.2040661	.5166022	-.017316
Stddev	.0039371	.019685	.000397	.0022177	.0051091	.0100186	.001131
%RSD	.9819790	2.649955	.7331337	.2507914	2.503666	1.939327	6.532526

#1	.3964487	-.750454	-.054080	.8853633	.2099585	.5244234	-.017313
#2	.4038226	-.720468	-.054538	.8817236	.2013700	.5053096	-.016187
#3	.4025274	-.757554	-.053748	.8857386	.2008697	.5200738	-.018449

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027653	-.000265	2.905974	.0012808	.0111937	.0397034	29.93634
Stddev	.0000404	.000034	.019825	.0001366	.0000986	.0007679	.17897
%RSD	1.459415	12.81216	.6822025	10.66748	.8812799	1.934150	.5978454

#1	.0028105	-.000238	2.922708	.0011466	.0110856	.0388754	30.11140
#2	.0027328	-.000303	2.884079	.0012760	.0112789	.0398427	29.75370
#3	.0027527	-.000253	2.911134	.0014197	.0112166	.0403922	29.94393

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6212994	.4862173	.0266102	-.000504	13.08633	-.000971	.1742641
Stddev	.0032354	.0186230	.0003745	.000131	.11806	.000428	.0006202
%RSD	.5207508	3.830174	1.407264	26.01005	.9021427	44.11179	.3559141

#1	.6233709	.4674391	.0264361	-.000363	13.21327	-.001118	.1749489
#2	.6175711	.4865317	.0263546	-.000621	13.06588	-.001306	.1737400
#3	.6229562	.5046810	.0270401	-.000527	12.97983	-.000488	.1741035

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	37.48331	.1508930	.0041333	.2511212	.0025485	.6707952	3.140088
Stddev	.19251	.0005970	.0001817	.0012570	.0031126	.0305208	.015825
%RSD	.5135980	.3956354	4.395914	.5005534	122.1312	4.549948	.5039825

#1	37.70558	.1506568	.0042095	.2500467	.0038917	.7057259	3.128389
#2	37.36932	.1504502	.0039260	.2525035	-.001010	.6492795	3.133781
#3	37.37504	.1515719	.0042646	.2508133	.004764	.6573801	3.158095

Sample Name: Q3417-01 Acquired: 10/23/2025 21:46:34 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	8.173823	-.005931	-.018992
Stddev	.052413	.003482	.000260
%RSD	.6412356	58.71714	1.367194
#1	8.159795	-.004690	-.019210
#2	8.129851	-.003239	-.018705
#3	8.231823	-.009863	-.019060

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6362.615	85594.83	5674.807	5018.774	7367.527
Stddev	19.704	626.76	34.452	62.716	24.126
%RSD	.3096867	.7322365	.6070981	1.249636	.3274668
#1	6385.270	84871.93	5635.796	4947.395	7395.025
#2	6353.113	85926.49	5701.059	5043.872	7357.645
#3	6349.463	85986.06	5687.568	5065.054	7349.910

Sample Name: Q3420-05 Acquired: 10/23/2025 21:50:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1093912	.0046261	.0033770	1.035645	.0070462	4.724854
Stddev	.0017880	.0029330	.0017865	.009296	.0018342	.021225
%RSD	1.634486	63.40186	52.90219	.8975607	26.03094	.4492247

#1	.1109287	.0047757	.0053527	1.046065	.0078842	4.748628
#2	.1098157	.0074815	.0029032	1.028205	.0083116	4.707808
#3	.1074291	.0016211	.0018752	1.032664	.0049426	4.718127

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0141942	.0000403	.0004740	1.977061	.0340575	.0027011
Stddev	.0020253	.0000511	.0000943	.011998	.0006501	.0003149
%RSD	14.26830	126.8481	19.90257	.6068824	1.908938	11.65993

#1	.0157790	-.000010	.0005818	1.990799	.0337745	.0030471
#2	.0148910	.000092	.0004331	1.968638	.0348012	.0026248
#3	.0119125	.000039	.0004070	1.971745	.0335969	.0024312

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0165222	1.022112	.0213814	1.501897	.0340263	.0017840
Stddev	.0003386	.017797	.0007682	.074587	.0002606	.0005430
%RSD	2.049112	1.741182	3.592604	4.966170	.7657654	30.43578

#1	.0161457	1.014596	.0221276	1.422304	.0341379	.0016618
#2	.0166195	1.042434	.0205931	1.570188	.0337285	.0013125
#3	.0168015	1.009307	.0214236	1.513200	.0342124	.0023777

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 5731.994	.0035423	.5582056	36.74165	F 13.69936	.0526533
Stddev	96.364	.0030186	.0019157	3.82434	.11034	.0009533
%RSD	1.681153	85.21731	.3431975	10.40872	.8054569	1.810597

#1	5822.521	.0004197	.5562408	32.68554	13.82622	.0523476
#2	5742.764	.0037622	.5583078	37.25760	13.62568	.0518903
#3	5630.698	.0064449	.5600683	40.28182	13.64619	.0537220

Sample Name: Q3420-05 Acquired: 10/23/2025 21:50:33 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.014456	.1115517	F 27.67466	.3267761	F 1747.521	.0262541
Stddev	.000636	.0201877	.16286	.0025231	13.107	.0045747
%RSD	4.397772	18.09715	.5884803	.7721226	.7500512	17.42465

#1	-.014532	.1047752	27.83416	.3270741	1755.613	.0209992
#2	-.015050	.0956241	27.50863	.3241173	1754.551	.0293475
#3	-.013786	.1342558	27.68120	.3291371	1732.398	.0284156

Elem	Sr4077
Units	ppm
Avg	.0182643
Stddev	.0001168
%RSD	.6394354

#1	.0182173
#2	.0181784
#3	.0183973

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4769.942	65614.27	5530.898	3659.101	4600.602
Stddev	28.048	722.80	74.797	23.761	29.038
%RSD	.5880192	1.101587	1.352354	.6493694	.6311680

#1	4761.518	65435.74	5461.178	3655.685	4590.437
#2	4801.237	64997.46	5521.612	3637.232	4633.355
#3	4747.072	66409.60	5609.905	3684.385	4578.014

Sample Name: Q3420-05DUP Acquired: 10/23/2025 21:55:03 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1135342	.0112915	.0033140	1.052920	.0101818	5.013305
Stddev	.0042293	.0033399	.0005498	.013291	.0024304	.019671
%RSD	3.725175	29.57879	16.59011	1.262332	23.87027	.3923725
#1	.1114437	.0111880	.0027798	1.053112	.0089397	4.990715
#2	.1107572	.0080046	.0032841	1.039533	.0086235	5.022553
#3	.1184017	.0146819	.0038781	1.066114	.0129823	5.026648
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0159391	.0001645	.0005112	2.100816	.0366904	.0028113
Stddev	.0034206	.0000280	.0000661	.018545	.0008138	.0002471
%RSD	21.46019	17.01541	12.93712	.8827567	2.218160	8.787655
#1	.0196875	.0001786	.0004963	2.095061	.0373508	.0029432
#2	.0151430	.0001827	.0004539	2.085831	.0369393	.0025263
#3	.0129868	.0001323	.0005836	2.121557	.0357812	.0029645
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0175492	1.122793	.0231289	1.575468	.0356892	.0022731
Stddev	.0004968	.012662	.0004836	.026279	.0009237	.0007728
%RSD	2.830689	1.127703	2.091066	1.668007	2.588108	33.99852
#1	.0169856	1.108302	.0230222	1.595341	.0349881	.0022563
#2	.0177387	1.131718	.0236570	1.585392	.0353437	.0030543
#3	.0179234	1.128359	.0227076	1.545673	.0367358	.0015089
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 5506.415	.0053450	.5808013	69.79438	F 13.91255	.0546354
Stddev	111.100	.0012374	.0004673	3.57856	.16068	.0014678
%RSD	2.017650	23.15123	.0804620	5.127284	1.154943	2.686622
#1	5634.313	.0049745	.5811212	65.84197	14.09799	.0545741
#2	5451.124	.0067254	.5810177	70.72659	13.81461	.0531992
#3	5433.809	.0043352	.5802650	72.81458	13.82505	.0561329

Sample Name: Q3420-05DUP Acquired: 10/23/2025 21:55:03 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.015435	.1007348	F 33.66626	.3433124	F 1870.979	.0415231
Stddev	.000696	.0004985	.95233	.0076384	65.197	.0052202
%RSD	4.506822	.4948947	2.828724	2.224902	3.484622	12.57173
#1	-.016163	.1007765	32.60010	.3404538	1863.341	.0356824
#2	-.015364	.1002168	33.96612	.3375156	1809.938	.0457337
#3	-.014777	.1012112	34.43257	.3519677	1939.659	.0431532

Elem	Sr4077
Units	ppm
Avg	.0190619
Stddev	.0000431
%RSD	.2260284
#1	.0190162
#2	.0190677
#3	.0191018

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4588.743	62348.42	5415.236	3482.666	4422.360
Stddev	113.319	412.14	73.414	23.206	112.840
%RSD	2.469507	.6610346	1.355692	.6663291	2.551571
#1	4620.032	62283.63	5332.275	3455.907	4460.327
#2	4683.130	61972.50	5441.628	3494.823	4511.320
#3	4463.066	62789.12	5471.805	3497.268	4295.434

Sample Name: Q3420-05LX5 Acquired: 10/23/2025 21:59:32 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0217924	.0093110	.0001697	.1892004	.0046364	.8998312
Stddev	.0008564	.0004069	.0003822	.0015731	.0019991	.0030482
%RSD	3.929894	4.369672	225.2348	.8314179	43.11671	.3387541

#1	.0227644	.0090898	.0003164	.1876940	.0041382	.8964875
#2	.0214640	.0090627	-.000264	.1908325	.0068375	.9005513
#3	.0211488	.0097805	.000457	.1890748	.0029336	.9024549

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107487	.0001515	-.000012	.4179054	.0074673	.0005994
Stddev	.0007124	.0000822	.000023	.0116189	.0004986	.0001521
%RSD	6.627388	54.22021	192.4476	2.780264	6.676931	25.37907

#1	.0106126	.0000590	-.000009	.4085228	.0072160	.0004273
#2	.0115193	.0001798	-.000037	.4309017	.0080415	.0007160
#3	.0101142	.0002158	.000010	.4142917	.0071443	.0006547

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038302	.1773965	.0038167	.3350432	.0071937	.0004817
Stddev	.0000812	.0039710	.0006561	.0216185	.0003976	.0001852
%RSD	2.120037	2.238481	17.18899	6.452447	5.527248	38.44896

#1	.0038379	.1728112	.0030667	.3120467	.0073027	.0006021
#2	.0037454	.1797057	.0040992	.3549515	.0067529	.0005746
#3	.0039073	.1796725	.0042841	.3381316	.0075254	.0002684

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1694.803	-.001232	.1010266	22.02225	3.478153	.0103847
Stddev	17.699	.003931	.0002783	.99725	.037046	.0002517
%RSD	1.044339	319.1601	.2754462	4.528358	1.065094	2.423675

#1	1707.452	.003207	.1010020	21.02843	3.513373	.0100959
#2	1674.576	-.002630	.1013163	22.01544	3.481569	.0105012
#3	1702.380	-.004273	.1007614	23.02289	3.439518	.0105571

Sample Name: Q3420-05LX5 Acquired: 10/23/2025 21:59:32 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006714	.0163101	F 10.13097	.0554945	F 528.1631	.0550553
Stddev	.000612	.0005844	.17272	.0002995	4.9664	.0026339
%RSD	9.111866	3.583232	1.704842	.5397700	.9403078	4.784071
#1	-.006425	.0168300	10.31224	.0556492	522.5097	.0522249
#2	-.007417	.0164227	10.11235	.0556851	530.1563	.0574343
#3	-.006300	.0156775	9.96831	.0551493	531.8231	.0555067
Elem	Sr4077					
Units	ppm					
Avg	.0036114					
Stddev	.0001697					
%RSD	4.698841					
#1	.0035180					
#2	.0035088					
#3	.0038072					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	6111.008	80212.35	5689.590	4716.988	6121.646	
Stddev	27.078	676.78	22.514	38.529	24.403	
%RSD	.4430940	.8437372	.3957085	.8168034	.3986314	
#1	6141.744	80986.82	5697.593	4761.044	6149.454	
#2	6100.606	79915.52	5664.168	4689.600	6111.687	
#3	6090.674	79734.70	5707.010	4700.320	6103.799	

Sample Name: Q3420-05MS Acquired: 10/23/2025 22:03:49 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.014862	1.658886	.9456926	3.361223	.8519581	5.111729
Stddev	.011884	.094870	.0099313	.040636	.0113972	.024933
%RSD	1.170970	5.718909	1.050163	1.208964	1.337768	.4877609

#1	1.027468	1.759723	.9552378	3.407234	.8623439	5.117006
#2	1.013256	1.571396	.9464243	3.346183	.8537651	5.084580
#3	1.003864	1.645538	.9354157	3.330250	.8397653	5.133601

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2001938	.1708858	.2117525	2.699802	.4013116	.2037746
Stddev	.0035776	.0033674	.0024567	.032988	.0012519	.0022191
%RSD	1.787055	1.970570	1.160189	1.221871	.3119496	1.089007

#1	.2042254	.1701762	.2144118	2.735498	.4027457	.2061088
#2	.1973977	.1679297	.2112780	2.670441	.4004376	.2035230
#3	.1989585	.1745515	.2095676	2.693467	.4007513	.2016920

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2835522	4.403512	.2024456	3.282504	.5413322	.0892305
Stddev	.0032628	.072415	.0021354	.073704	.0066573	.0003516
%RSD	1.150697	1.644479	1.054784	2.245362	1.229804	.3939760

#1	.2870942	4.480109	.2047839	3.330239	.5474739	.0888860
#2	.2828931	4.394259	.2005988	3.197617	.5422651	.0895887
#3	.2806692	4.336169	.2019542	3.319655	.5342576	.0892167

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 5442.616	.2848038	.7728953	78.98297	F 14.08696	.4431910
Stddev	30.871	.0051691	.0040461	1.81950	.27878	.0049205
%RSD	.5672116	1.814973	.5235026	2.303665	1.979027	1.110252

#1	5476.596	.2866146	.7731470	76.92561	14.03934	.4483775
#2	5434.957	.2789729	.7687291	79.64280	13.83506	.4426072
#3	5416.296	.2888239	.7768097	80.38049	14.38649	.4385885

Sample Name: Q3420-05MS Acquired: 10/23/2025 22:03:49 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6995680	.2514586	F 29.14258	7.994301	F 1787.424	.3120258
Stddev	.0076030	.0026250	.53526	.122917	47.221	.0027557
%RSD	1.086820	1.043928	1.836678	1.537563	2.641836	.8831700

#1	.7081223	.2507221	28.58358	8.131587	1838.716	.3118626
#2	.6970009	.2492805	29.19373	7.956853	1745.756	.3093553
#3	.6935809	.2543733	29.65042	7.894463	1777.801	.3148595

Elem	Sr4077
Units	ppm
Avg	.1942999
Stddev	.0013406
%RSD	.6899662

#1	.1952380
#2	.1927644
#3	.1948971

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4719.757	62481.00	5184.131	3549.302	4556.700
Stddev	45.778	167.52	79.610	14.766	43.389
%RSD	.9699282	.2681077	1.535646	.4160173	.9522116

#1	4673.871	62305.77	5197.696	3534.387	4513.747
#2	4719.975	62497.67	5256.087	3563.914	4555.838
#3	4765.427	62639.56	5098.610	3549.606	4600.513

Sample Name: Q3420-05MSD Acquired: 10/23/2025 22:08:05 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.006510	1.636672	.9506267	3.286150	.8451528	5.215132
Stddev	.011581	.073223	.0062459	.032816	.0121679	.003285
%RSD	1.150584	4.473911	.6570295	.9986215	1.439723	.0629813

#1	.993150	1.684061	.9434256	3.248830	.8311113	5.214182
#2	1.012700	1.673618	.9545719	3.310492	.8526013	5.212427
#3	1.013681	1.552336	.9538827	3.299129	.8517459	5.218787

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1885427	.1653149	.2117672	2.596409	.3898193	.2033368
Stddev	.0019737	.0014639	.0017009	.016658	.0014240	.0014775
%RSD	1.046829	.8855329	.8031687	.6415806	.3653079	.7266240

#1	.1900448	.1644540	.2098033	2.608935	.3886612	.2016338
#2	.1863073	.1644856	.2127590	2.577504	.3893874	.2041005
#3	.1892761	.1670052	.2127393	2.602788	.3914093	.2042762

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2835182	4.263174	.1938231	3.109136	.5395223	.0867150
Stddev	.0022337	.061839	.0013348	.024975	.0045526	.0004584
%RSD	.7878593	1.450532	.6886823	.8032842	.8438240	.5286344

#1	.2809476	4.320745	.1953639	3.122999	.5342992	.0870897
#2	.2849868	4.270971	.1930186	3.080304	.5416182	.0862038
#3	.2846203	4.197807	.1930868	3.124105	.5426495	.0868514

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4875.044	.2746487	.7510354	80.28639	F 13.67012	.4377567
Stddev	17.697	.0020590	.0026981	2.67750	.11844	.0034156
%RSD	.3630158	.7496974	.3592494	3.334942	.8664242	.7802603

#1	4891.625	.2743292	.7499829	77.40544	13.59691	.4338973
#2	4856.410	.2768488	.7490222	80.75519	13.60668	.4389831
#3	4877.097	.2727681	.7541012	82.69853	13.80677	.4403899

Sample Name: Q3420-05MSD Acquired: 10/23/2025 22:08:05 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7063474	.2486285	F 30.41935	8.038661	F 1832.516	.2942177
Stddev	.0032760	.0017144	.55744	.071263	14.908	.0025443
%RSD	.4637870	.6895325	1.832531	.8865007	.8135153	.8647536

#1	.7025673	.2481494	29.84801	7.958618	1838.861	.2917960
#2	.7081147	.2505315	30.44828	8.095211	1843.203	.2939880
#3	.7083602	.2472047	30.96177	8.062153	1815.486	.2968690

Elem	Sr4077
Units	ppm
Avg	.1873986
Stddev	.0010617
%RSD	.5665244

#1	.1882906
#2	.1862243
#3	.1876810

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4722.432	63943.05	5330.799	3676.007	4534.134
Stddev	10.217	245.80	48.644	10.913	12.803
%RSD	.2163560	.3844059	.9125007	.2968769	.2823672

#1	4731.817	64165.60	5352.075	3679.088	4543.531
#2	4711.548	63984.32	5365.180	3685.050	4519.552
#3	4723.933	63679.23	5275.142	3663.885	4539.319

Sample Name: Q3420-05A Acquired: 10/23/2025 22:12:22 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.025302	1.745047	.9805953	3.366772	.8604105	6.825560
Stddev	.012891	.039381	.0096172	.027067	.0013044	.056953
%RSD	1.257315	2.256724	.9807492	.8039585	.1516051	.8344150

#1	1.010552	1.702090	.9695829	3.339760	.8589184	6.761211
#2	1.034412	1.753606	.9873411	3.393894	.8609790	6.869488
#3	1.030941	1.779444	.9848617	3.366663	.8613343	6.845982

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2137339	.1759655	.2182718	3.039061	.3974403	.2092151
Stddev	.0013510	.0018100	.0026578	.020449	.0053606	.0014349
%RSD	.6321196	1.028609	1.217653	.6728803	1.348773	.6858483

#1	.2134311	.1779650	.2152122	3.022987	.3981461	.2076212
#2	.2152107	.1754926	.2200092	3.062078	.4024130	.2104038
#3	.2125600	.1744389	.2195939	3.032119	.3917618	.2096204

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2909687	4.672643	.2162532	3.372472	.5583565	.0911608
Stddev	.0025789	.073624	.0023305	.040392	.0058643	.0013684
%RSD	.8863279	1.575630	1.077689	1.197697	1.050280	1.501113

#1	.2880163	4.602959	.2136005	3.326070	.5515889	.0911664
#2	.2927821	4.749658	.2179719	3.391588	.5619414	.0925264
#3	.2921076	4.665311	.2171871	3.399758	.5615391	.0897896

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 5224.801	.3003814	.7942448	90.21021	F 14.82813	.4473427
Stddev	44.534	.0018611	.0098384	3.43071	.12747	.0043368
%RSD	.8523549	.6195782	1.238711	3.803019	.8596288	.9694679

#1	5245.690	.2982581	.7996139	86.25651	14.96622	.4424178
#2	5255.051	.3011566	.8002305	91.97265	14.80319	.4505908
#3	5173.663	.3017297	.7828899	92.40147	14.71497	.4490196

Sample Name: Q3420-05A Acquired: 10/23/2025 22:12:22 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7355172	.2893553	F 32.71157	8.413389	F 1916.483	.3286953
Stddev	.0081318	.0070816	.38016	.100423	28.285	.0043139
%RSD	1.105596	2.447370	1.162156	1.193604	1.475905	1.312440

#1	.7262060	.2849753	32.31697	8.297455	1887.306	.3239055
#2	.7391231	.2975253	33.07542	8.473417	1918.359	.3322749
#3	.7412226	.2855653	32.74231	8.469294	1943.784	.3299056

Elem	Sr4077
Units	ppm
Avg	.2087009
Stddev	.0020200
%RSD	.9678906

#1	.2063685
#2	.2098686
#3	.2098657

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4592.314	62538.09	5090.588	3676.376	4379.143
Stddev	51.524	379.40	25.211	27.090	54.192
%RSD	1.121971	.6066642	.4952449	.7368771	1.237511

#1	4651.491	62556.18	5066.095	3666.291	4441.258
#2	4568.052	62149.97	5116.460	3655.775	4354.651
#3	4557.400	62908.11	5089.209	3707.063	4341.520

Sample Name: Q3422-02 Acquired: 10/23/2025 22:16:40 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011658	.0006506	.0005600	.0048004	.0019923	-.000240	.0041697
Stddev	.0006114	.0005554	.0015193	.0002376	.0010708	.025241	.0029324
%RSD	52.44133	85.36279	271.2922	4.948884	53.74783	10530.23	70.32557
#1	.0009674	.0000209	.0002539	.0045945	.0007571	-.006267	.0035025
#2	.0006783	.0008606	.0022091	.0047463	.0026586	.027469	.0073782
#3	.0018518	.0010704	-.000783	.0050603	.0025613	-.021922	.0016284
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000165	-.000134	.0404281	.0048519	-.000189	.0004370	.0158290
Stddev	.000046	.000014	.0178528	.0003331	.000100	.0004819	.0041708
%RSD	27.91982	10.49371	44.15930	6.865765	53.07567	110.2821	26.34886
#1	-.000200	-.000123	.0431700	.0050107	-.000168	.0006333	.0152335
#2	-.000113	-.000150	.0213630	.0050758	-.000298	-.000112	.0202655
#3	-.000182	-.000130	.0567513	.0044691	-.000101	.000790	.0119880
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023863	.0561210	.0003036	.0002809	5.064591	-.003045	.0020606
Stddev	.0012755	.0329844	.0000433	.0005994	.214008	.003363	.0001795
%RSD	53.45204	58.77363	14.26336	213.3777	4.225568	110.4355	8.710489
#1	.0030327	.0294670	.0003515	.0006232	5.311315	.000658	.0021867
#2	.0009170	.0930094	.0002922	-.000411	4.929203	-.003884	.0018551
#3	.0032092	.0458866	.0002671	.000631	4.953255	-.005909	.0021399
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.611431	.2212817	.0004552	-.018542	-.001075	6.419370	.0008488
Stddev	.129249	.0064012	.0003576	.000704	.001156	.086832	.0012030
%RSD	8.020742	2.892760	78.54644	3.794932	107.6036	1.352661	141.7398
#1	1.743611	.2139253	.0007668	-.019319	.000039	6.324175	.0004552
#2	1.605354	.2255820	.0005340	-.018360	-.002269	6.439703	.0021993
#3	1.485328	.2243378	.0000648	-.017947	-.000994	6.494231	-.000108

Sample Name: Q3422-02 Acquired: 10/23/2025 22:16:40 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1609298	-.005614	.0001854
Stddev	.0077147	.002135	.0000276
%RSD	4.793831	38.02975	14.86758
#1	.1698319	-.005647	.0001862
#2	.1567626	-.003463	.0002126
#3	.1561949	-.007733	.0001575

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7040.020	98581.12	5249.155	5619.125	8338.992
Stddev	36.142	673.29	73.967	58.990	40.337
%RSD	.5133796	.6829806	1.409131	1.049815	.4837101
#1	7040.447	99260.58	5329.062	5683.016	8333.222
#2	7003.666	98568.60	5183.079	5607.631	8301.852
#3	7075.946	97914.17	5235.325	5566.727	8381.903

Sample Name: CCV11 Acquired: 10/23/2025 22:20:51 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV11 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.979036	F 4.437334	5.159392	4.941835	4.716715	9.496842
Stddev	.004206	.218769	.003794	.018206	.004575	.047103
%RSD	.0844813	4.930187	.0735307	.3684058	.0970018	.4959900

#1	4.981874	4.526848	5.156886	4.960443	4.717866	9.468207
#2	4.974203	4.188004	5.157533	4.924059	4.720604	9.551207
#3	4.981031	4.597151	5.163757	4.941003	4.711674	9.471113

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.354333	.2682940	2.588988	24.32717	.9513972	2.493009
Stddev	.021586	.0068579	.004276	.05537	.0065244	.002139
%RSD	.2307619	2.556119	.1651467	.2275949	.6857713	.0857815

#1	9.329428	.2734101	2.586250	24.30453	.9479274	2.491490
#2	9.365901	.2709705	2.586799	24.39027	.9473408	2.492083
#3	9.367670	.2605014	2.593915	24.28671	.9589233	2.495454

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.252638	F 4.390929	2.416216	25.13728	2.525430	1.234824
Stddev	.000638	.133932	.001455	.13014	.001628	.003754
%RSD	.0509174	3.050186	.0602277	.5177057	.0644716	.3040479

#1	1.251901	4.255277	2.414616	25.02509	2.525949	1.232865
#2	1.252998	4.394440	2.417460	25.27995	2.523605	1.232453
#3	1.253014	4.523071	2.416571	25.10679	2.526735	1.239152

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 32.75698	2.406952	2.448863	F 28.34598	F 6.122526	4.867516
Stddev	.62407	.015983	.010022	.90698	.174724	.004587
%RSD	1.905156	.6640546	.4092602	3.199675	2.853787	.0942453

#1	32.04166	2.400114	2.447808	27.38360	6.268922	4.867147
#2	33.03907	2.425216	2.439409	28.46940	6.169556	4.863125
#3	33.19020	2.395524	2.459370	29.18492	5.929101	4.872277

Sample Name: CCV11 Acquired: 10/23/2025 22:20:51 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV11 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.159774	4.730661	F 7.352448	5.392457	5.265220	F 4.495613
Stddev	.016355	.021963	.135467	.037692	.051146	.015287
%RSD	.3169694	.4642755	1.842471	.6989808	.9713913	.3400383

#1	5.171505	4.716143	7.211537	5.420358	5.263448	4.490438
#2	5.141092	4.755929	7.364088	5.349578	5.214983	4.512815
#3	5.166726	4.719912	7.481720	5.407435	5.317229	4.483585

Elem	Sr4077
Units	ppm
Avg	4.716730
Stddev	.124754
%RSD	2.644926

#1	4.786203
#2	4.791280
#3	4.572706

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6755.498	92083.82	5151.477	5265.677	7216.599
Stddev	38.482	597.30	139.583	38.594	37.437
%RSD	.5696460	.6486448	2.709566	.7329269	.5187586

#1	6794.959	92772.74	5052.584	5301.297	7249.777
#2	6753.461	91711.03	5090.703	5271.060	7224.008
#3	6718.075	91767.69	5311.143	5224.675	7176.012

Sample Name: CCB11 Acquired: 10/23/2025 22:24:53 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB11 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013694	.0064014	.0008795	.0056165	.0045021	-.013459
Stddev	.0012436	.0028814	.0003529	.0022839	.0017669	.022157
%RSD	90.81954	45.01250	40.12128	40.66398	39.24583	164.6227

#1	.0003514	.0092488	.0005458	.0033604	.0024729	.001950
#2	.0010011	.0064682	.0012489	.0055620	.0053333	-.038852
#3	.0027555	.0034871	.0008440	.0079272	.0057002	-.003476

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109680	.0001126	-.000111	-.007951	.0000561	.0000498
Stddev	.0028829	.0000502	.000014	.013219	.0001124	.0002341
%RSD	26.28442	44.56933	12.53143	166.2601	200.4152	469.9561

#1	.0112852	.0000819	-.000123	-.006105	.0000454	-.000212
#2	.0079396	.0001706	-.000096	-.021995	.0001734	.000238
#3	.0136791	.0000855	-.000114	.004248	-.000051	.000124

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000060	-.010862	-.000968	.0144659	-.000261	.0003957
Stddev	.000079	.002539	.000214	.0315782	.000050	.0002115
%RSD	131.0051	23.37168	22.10524	218.2945	18.96675	53.44947

#1	-.000005	-.008082	-.001212	.0320409	-.000313	.0003120
#2	-.000151	-.011447	-.000810	-.021990	-.000214	.0006363
#3	-.000025	-.013057	-.000883	.033346	-.000258	.0002389

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 10.43951	-.006457	-.000001	F 6.455639	F .1839805	.0004782
Stddev	.09511	.008091	.000051	.166026	.0028802	.0001319
%RSD	.9110384	125.3094	3969.660	2.571796	1.565511	27.57916

#1	10.33112	.002849	.000056	6.263934	.1867934	.0006114
#2	10.50901	-.010389	-.000041	6.552708	.1841107	.0004754
#3	10.47841	-.011830	-.000019	6.550276	.1810373	.0003477

Sample Name: CCB11 Acquired: 10/23/2025 22:24:53 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB11 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006015	.0002238	F 1.689624	-.004941	F .5206118	F .0199411
Stddev	.000222	.0023878	.032000	.001495	.0164051	.0008923
%RSD	3.686345	1066.708	1.893922	30.25971	3.151122	4.474629
#1	-.005965	.0020793	1.726242	-.003761	.5027580	.0209713
#2	-.005822	.0010623	1.675597	-.006622	.5240560	.0194375
#3	-.006257	-.002470	1.667033	-.004440	.5350213	.0194144
Elem	Sr4077					
Units	ppm					
Avg	.0001182					
Stddev	.0001840					
%RSD	155.6377					
#1	.0002755					
#2	.0001634					
#3	-.000084					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	6802.032	92295.21	5329.198	5237.797	8040.620	
Stddev	7.888	233.20	27.460	27.750	13.151	
%RSD	.1159709	.2526625	.5152799	.5298037	.1635556	
#1	6804.781	92118.77	5297.734	5230.903	8037.737	
#2	6793.137	92559.59	5348.331	5268.344	8029.149	
#3	6808.178	92207.27	5341.531	5214.143	8054.972	

Sample Name: Q3434-02 Acquired: 10/23/2025 22:29:05 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0165244	.0019628	.1439853	.0061103	.0089440	9.472177
Stddev	.0025778	.0046062	.0012446	.0022523	.0031667	.011381
%RSD	15.60015	234.6763	.8643910	36.86107	35.40565	.1201535

#1	.0185357	.0002460	.1445986	.0054943	.0067287	9.471479
#2	.0174191	.0071809	.1448043	.0042301	.0125711	9.483892
#3	.0136184	-.001538	.1425531	.0086066	.0075324	9.461162

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4688475	.0010372	.0020279	156.1064	.0895872	.0069908
Stddev	.0012257	.0000201	.0001188	.2757	.0004432	.0001195
%RSD	.2614349	1.942500	5.857233	.1766296	.4946594	1.709449

#1	.4674932	.0010158	.0018981	155.7894	.0897207	.0071114
#2	.4698808	.0010402	.0021310	156.2392	.0899482	.0069886
#3	.4691684	.0010557	.0020547	156.2906	.0890926	.0068724

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1063789	21.50913	1.132157	486.2875	.0324243	.0025946
Stddev	.0007346	.15582	.004972	.7965	.0007152	.0001431
%RSD	.6905219	.7244265	.4391490	.1637893	2.205804	5.515402

#1	.1072268	21.65006	1.126576	485.3853	.0331491	.0027598
#2	.1059344	21.53553	1.133781	486.8932	.0324048	.0025146
#3	.1059755	21.34180	1.136113	486.5841	.0317190	.0025093

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 3297.281	.0261408	.6071064	239.2718	1.752917	.0236575
Stddev	9.706	.0011231	.0025877	1.4904	.021315	.0000728
%RSD	.2943646	4.296285	.4262325	.6228898	1.215947	.3076919

#1	3307.127	.0268136	.6096815	240.5317	1.728840	.0236681
#2	3296.997	.0267645	.6071315	239.6573	1.760533	.0237244
#3	3287.721	.0248443	.6045063	237.6266	1.769377	.0235799

Sample Name: Q3434-02 Acquired: 10/23/2025 22:29:05 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001451	.2997391	F 28.45777	3.886871	F 393.9471	.0934182
Stddev	.000777	.0082263	.23932	.037336	3.8922	.0022826
%RSD	53.58321	2.744499	.8409784	.9605757	.9880108	2.443455

#1	-.000619	.2907428	28.56339	3.916452	397.5491	.0915928
#2	-.001575	.3015965	28.62611	3.899243	394.4740	.0926843
#3	-.002159	.3068778	28.18380	3.844920	389.8183	.0959775

Elem	Sr4077
Units	ppm
Avg	2.654110
Stddev	.004267
%RSD	.1607556

#1	2.650225
#2	2.658677
#3	2.653429

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5380.269	70003.56	5392.348	3998.649	5218.270
Stddev	32.410	162.90	66.381	6.923	32.050
%RSD	.6023770	.2326995	1.231017	.1731323	.6141802

#1	5343.649	70150.95	5465.545	3991.548	5183.901
#2	5391.899	69828.66	5375.448	3999.020	5223.567
#3	5405.259	70031.07	5336.051	4005.379	5247.340

Sample Name: CCV12 Acquired: 10/23/2025 22:33:17 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV12 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.920354	4.547473	5.067913	4.929844	4.658810	9.285016
Stddev	.005561	.124541	.006148	.008145	.007561	.044782
%RSD	.1130159	2.738697	.1213053	.1652106	.1622958	.4823060

#1	4.914003	4.429973	5.072743	4.923976	4.665417	9.335071
#2	4.922712	4.534418	5.070003	4.926412	4.660448	9.271228
#3	4.924347	4.678027	5.060993	4.939142	4.650564	9.248750

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.068187	2.577109	2.538972	23.73648	9.324803	2.442663
Stddev	.064999	.0038078	.002360	.14059	.0005855	.002400
%RSD	.7167794	1.477532	.0929360	.5922982	.0627941	.0982707

#1	9.126013	2.616380	2.540041	23.85155	9.321144	2.442447
#2	9.080710	2.574597	2.540608	23.77811	9.321709	2.445164
#3	8.997837	2.540349	2.536267	23.57977	9.331557	2.440377

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.227620	F 4.223935	2.348486	24.54782	2.471257	1.220650
Stddev	.000975	.041755	.019983	.26701	.001856	.000520
%RSD	.0794222	.9885394	.8508676	1.087721	.0750849	.0426384

#1	1.228562	4.182083	2.363287	24.78725	2.472338	1.220564
#2	1.227684	4.224128	2.356416	24.59632	2.472318	1.221208
#3	1.226615	4.265593	2.325756	24.25988	2.469114	1.220178

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 30.01656	2.360411	2.411184	27.03706	F 5.810933	4.767264
Stddev	.28200	.012720	.012093	.12490	.074497	.003451
%RSD	.9394880	.5389050	.5015339	.4619493	1.282016	.0723848

#1	30.34152	2.373931	2.419803	26.93735	5.888798	4.770125
#2	29.83597	2.348679	2.416389	26.99668	5.803666	4.768236
#3	29.87220	2.358625	2.397360	27.17715	5.740336	4.763432

Sample Name: CCV12 Acquired: 10/23/2025 22:33:17 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV12 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.048927	4.597035	5.322137	5.330937	5.365503	F 4.343334
Stddev	.005143	.031291	.065067	.013777	.008005	.034683
%RSD	.1018658	.6806870	1.222581	.2584312	.1491993	.7985448
#1	5.051512	4.625984	5.253480	5.332203	5.356312	4.380095
#2	5.052265	4.601285	5.330039	5.316571	5.370953	4.338718
#3	5.043004	4.563836	5.382893	5.344038	5.369243	4.311190
Elem	Sr4077					
Units	ppm					
Avg	4.635281					
Stddev	.030525					
%RSD	.6585413					
#1	4.640949					
#2	4.602319					
#3	4.662574					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	6827.473	92302.30	5382.949	5287.293	7307.234	
Stddev	16.104	251.23	57.938	13.716	17.874	
%RSD	.2358687	.2721771	1.076324	.2594195	.2446023	
#1	6808.957	92450.82	5317.321	5282.811	7286.947	
#2	6835.245	92443.85	5404.514	5276.377	7314.088	
#3	6838.217	92012.24	5427.012	5302.689	7320.666	

Sample Name: CCB12 Acquired: 10/23/2025 22:37:20 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB12 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004704	.0041215	.0010612	.0034899	.0031013	-.017571
Stddev	.0009170	.0009623	.0001755	.0014295	.0018232	.005946
%RSD	194.9171	23.34909	16.53601	40.96079	58.78852	33.83821

#1	.0006892	.0030835	.0010125	.0042605	.0051658	-.024260
#2	-.000536	.0049841	.0009153	.0043687	.0024258	-.015565
#3	.001258	.0042969	.0012560	.0018404	.0017122	-.012888

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0122584	.0000264	-.000074	.0186522	.0000751	-.000056
Stddev	.0016951	.0000492	.000015	.0090793	.0000951	.000413
%RSD	13.82763	186.6593	19.54437	48.67663	126.5510	732.6887

#1	.0103124	.0000721	-.000082	.0125405	-.000032	-.000260
#2	.0130504	.0000328	-.000084	.0143311	.000151	-.000327
#3	.0134126	-.000026	-.000058	.0290849	.000106	.000419

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005575	-.004611	.0002627	-.022185	-.000300	.0001307
Stddev	.0000753	.002602	.0002965	.014875	.000206	.0001689
%RSD	13.51287	56.42892	112.8564	67.04932	68.54896	129.2606

#1	.0005098	-.001608	.0005079	-.017373	-.000504	.0000392
#2	.0006443	-.006200	.0003470	-.038870	-.000302	.0000273
#3	.0005182	-.006024	-.000067	-.010312	-.000093	.0003256

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 7.480528	.0004734	-.000196	F 4.644733	F .1358853	.0004375
Stddev	.058634	.0047953	.000106	.059206	.0011267	.0002218
%RSD	.7838251	1012.917	54.26865	1.274701	.8291666	50.70481

#1	7.467919	-.004443	-.000274	4.621304	.1356389	.0005131
#2	7.429225	.005137	-.000075	4.600827	.1349022	.0006116
#3	7.544441	.000726	-.000239	4.712069	.1371148	.0001877

Sample Name: CCB12 Acquired: 10/23/2025 22:37:20 Type: Unk
Method: 6010-200.7 NEW(v307) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB12 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006089	-.000086	F .6349756	-.005261	F .3735760	F .0187746
Stddev	.000129	.001023	.0138509	.001119	.0087444	.0028447
%RSD	2.125599	1191.921	2.181328	21.26274	2.340721	15.15173
#1	-.006222	-.000478	.6388666	-.005723	.3828977	.0183962
#2	-.006083	-.000854	.6464649	-.003985	.3722759	.0161381
#3	-.005963	.001075	.6195953	-.006073	.3655546	.0217896
Elem	Sr4077					
Units	ppm					
Avg	-.000122					
Stddev	.000054					
%RSD	43.90704					
#1	-.000182					
#2	-.000106					
#3	-.000078					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	6813.999	91127.63	5141.907	5210.212	8063.486	
Stddev	58.635	564.78	45.283	22.778	66.290	
%RSD	.8605110	.6197643	.8806742	.4371767	.8220998	
#1	6748.719	91753.89	5193.700	5233.660	7988.744	
#2	6831.085	90972.02	5109.791	5208.806	8086.551	
#3	6862.194	90656.96	5122.229	5188.170	8115.162	

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 10/21/2025 Time : 16:10 Temp : 96 °C

End Digest Date: 10/21/2025 Time : 19:10 Temp : 96 °C

Digestion tube ID: M5595 17:20

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: S14

Supervisor Signature: [Signature]

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6209
LFS-2	0.25	M6201
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	MP87148
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 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/25 17:25	S14 met dig	MS - metal lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB170192BL	PBW192	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB170192BS	LCS192	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	2
Q3365-01	MW25	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q3365-02	MW2D	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q3365-03	SUPPLY	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q3365-04	17 HARVEY	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q3365-05	19 HARVEY	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7
Q3370-01	WATER-TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8
Q3370-01MS	WATER-TREATMENT DISCHARGE MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	10
Q3370-01MSD	WATER-TREATMENT DISCHARGE MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	11
Q3370-01DUP	WATER-TREATMENT DISCHARGE DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9
Q3376-07	PR132-FB01-20251016	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	12
Q3398-01	A748	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	13
Q3400-01	FRAC-TANK-0760450	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	14

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB170192 WorkList ID : 192594 Department : Digestion Date : 10-21-2025 16:39:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3365-01	MW25	Water	Metals Group4	1:1 HNO3 to pH < 2	GENV01	J13	10/16/2025	6010D
Q3365-02	MW2D	Water	Metals Group4	1:1 HNO3 to pH < 2	GENV01	J13	10/16/2025	6010D
Q3365-03	SUPPLY	Water	Metals Group4	1:1 HNO3 to pH < 2	GENV01	J13	10/16/2025	6010D
Q3365-04	17 HARVEY	Water	Metals Group4	1:1 HNO3 to pH < 2	GENV01	J13	10/16/2025	6010D
Q3365-05	19 HARVEY	Water	Metals Group4	1:1 HNO3 to pH < 2	GENV01	J13	10/16/2025	6010D
Q3370-01	WATER-TREATMENT DISCHAI	Water	Metals Group4	1:1 HNO3 to pH < 2	VERI01	J53	10/16/2025	6010D
Q3376-07	PR132-FB01-20251016	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	AEC002	D31	10/16/2025	6010D
Q3398-01	A748	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	D31	10/20/2025	6010D
Q3400-01	FRAC-TANK-0760450	Water	Metals Group4	1:1 HNO3 to pH < 2	ICES02	D31	10/20/2025	6010D

Date/Time 10/21/25 16:56
Raw Sample Received by: SLS metals
Raw Sample Relinquished by: CPCS m

Date/Time 10/21/25 17:50
Raw Sample Received by: CPCS m
Raw Sample Relinquished by: SLS metals

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

Review By	Janvi	Review On	10/23/2025 4:36:41 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:34:14 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/21/25 12:03		Jaswal	OK
2	S1	S1	CAL2	10/21/25 12:08		Jaswal	OK
3	S2	S2	CAL3	10/21/25 12:12		Jaswal	OK
4	S3	S3	CAL4	10/21/25 12:16		Jaswal	OK
5	S4	S4	CAL5	10/21/25 12:21		Jaswal	OK
6	S5	S5	CAL6	10/21/25 12:25		Jaswal	OK
7	ICV01	ICV01	ICV	10/21/25 12:40		Jaswal	OK
8	LLICV01	LLICV01	LLICV	10/21/25 12:44		Jaswal	OK
9	ICB01	ICB01	ICB	10/21/25 12:50		Jaswal	OK
10	CRI01	CRI01	CRDL	10/21/25 12:54		Jaswal	OK
11	ICSA01	ICSA01	ICSA	10/21/25 12:59		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	10/21/25 13:03		Jaswal	OK
13	ICSADL	ICSADL	ICSA	10/21/25 13:07		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	10/21/25 13:11		Jaswal	OK
15	CCV01	CCV01	CCV	10/21/25 13:45		Jaswal	OK
16	CCB01	CCB01	CCB	10/21/25 13:54		Jaswal	OK
17	LR-1	LR-1	HIGH STD	10/21/25 13:57		Jaswal	OK
18	LR-2	LR-2	HIGH STD	10/21/25 14:02		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

Review By	Janvi	Review On	10/23/2025 4:36:41 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:34:14 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

19	PB170187BL	PB170187BL	MB	10/21/25 14:11		Jaswal	OK
20	PB170187BS	PB170187BS	LCS	10/21/25 14:16		Jaswal	OK
21	PB170183BL	PB170183BL	MB	10/21/25 14:25		Jaswal	OK
22	PB170183BS	PB170183BS	LCS	10/21/25 14:29		Jaswal	OK
23	LR-3	LR-3	HIGH STD	10/21/25 14:33		Jaswal	OK
24	Q3381-02	VNJ-222	SAM	10/21/25 14:39		Jaswal	OK
25	Q3381-04	VNJ-245	SAM	10/21/25 14:43		Jaswal	OK
26	Q3381-06	RBR200059	SAM	10/21/25 14:47		Jaswal	OK
27	CCV02	CCV02	CCV	10/21/25 15:03		Jaswal	OK
28	CCB02	CCB02	CCB	10/21/25 15:07		Jaswal	OK
29	Q3381-08	VNJ-255	SAM	10/21/25 15:11		Jaswal	OK
30	Q3369-04	MH-22	SAM	10/21/25 15:16		Jaswal	OK
31	Q3369-08	MH-21	SAM	10/21/25 15:20		Jaswal	OK
32	Q3374-04	TP-4-WC	SAM	10/21/25 15:25		Jaswal	OK
33	Q3374-08	TP-5-WC	SAM	10/21/25 15:29		Jaswal	OK
34	Q3388-02	461	SAM	10/21/25 15:34		Jaswal	OK
35	Q3390-02	4174	SAM	10/21/25 15:38		Jaswal	OK
36	Q3392-04	MH-20	SAM	10/21/25 15:42		Jaswal	OK
37	Q3392-08	MH-19	SAM	10/21/25 15:47		Jaswal	OK
38	Q3392-08DUP	MH-19DUP	DUP	10/21/25 15:51		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

Review By	Janvi	Review On	10/23/2025 4:36:41 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:34:14 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

39	CCV03	CCV03	CCV	10/21/25 15:56		Jaswal	OK
40	CCB03	CCB03	CCB	10/21/25 16:00		Jaswal	OK
41	Q3392-08L	MH-19L	SD	10/21/25 16:04		Jaswal	OK
42	Q3392-08MS	MH-19MS	MS	10/21/25 16:09		Jaswal	OK
43	Q3392-08MSD	MH-19MSD	MSD	10/21/25 16:13		Jaswal	OK
44	Q3392-08A	MH-19A	PS	10/21/25 16:17	0.1ml of each m6008 and m6017 in 10ml sample.	Jaswal	OK
45	PB170147TB	PB170147TB	MB	10/21/25 16:21		Jaswal	OK
46	Q3411-01	Q4-WASTEWATER	SAM	10/21/25 16:26		Jaswal	OK
47	Q3401-01	41-CONCRETE	SAM	10/21/25 16:30		Jaswal	OK
48	Q3402-01	41-LA	SAM	10/21/25 16:34		Jaswal	OK
49	Q3402-04	41-RA	SAM	10/21/25 16:40		Jaswal	OK
50	Q3402-07	41-LB	SAM	10/21/25 16:44		Jaswal	OK
51	CCV04	CCV04	CCV	10/21/25 16:48		Jaswal	OK
52	CCB04	CCB04	CCB	10/21/25 16:52		Jaswal	OK
53	Q3402-10	41-RB	SAM	10/21/25 16:56		Jaswal	OK
54	Q3403-01	MH-18	SAM	10/21/25 17:00		Jaswal	OK
55	Q3397-01	TP-7-WC	SAM	10/21/25 17:04		Jaswal	OK
56	Q3397-01DUP	TP-7-WCDUP	DUP	10/21/25 17:08		Jaswal	OK
57	Q3397-01L	TP-7-WCL	SD	10/21/25 17:12		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

Review By	Janvi	Review On	10/23/2025 4:36:41 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:34:14 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

58	Q3397-01MS	TP-7-WCMS	MS	10/21/25 17:16		Jaswal	OK
59	Q3397-01MSD	TP-7-WCMSD	MSD	10/21/25 17:20		Jaswal	OK
60	Q3397-01A	TP-7-WCA	PS	10/21/25 17:24	0.1ml of each m6008 and m6017 in 10ml sample.	Jaswal	OK
61	PB170192BL	PB170192BL	MB	10/21/25 17:28		Jaswal	OK
62	PB170192BS	PB170192BS	LCS	10/21/25 17:33		Jaswal	OK
63	CCV05	CCV05	CCV	10/21/25 17:37		Jaswal	OK
64	CCB05	CCB05	CCB	10/21/25 17:41		Jaswal	OK
65	Q3365-01	MW25	SAM	10/21/25 17:45	Na is high, Need dilution	Jaswal	Dilution
66	Q3365-02	MW2D	SAM	10/21/25 17:49	Na is high, Need dilution	Jaswal	Dilution
67	Q3365-03	SUPPLY	SAM	10/21/25 17:53		Jaswal	OK
68	Q3365-04	17 HARVEY	SAM	10/21/25 17:58		Jaswal	OK
69	Q3365-05	19 HARVEY	SAM	10/21/25 18:02		Jaswal	OK
70	Q3370-01	WATER-TREATMENT	SAM	10/21/25 18:06		Jaswal	OK
71	Q3370-01DUP	WATER-TREATMENT	DUP	10/21/25 18:11		Jaswal	OK
72	Q3370-01L	WATER-TREATMENT	SD	10/21/25 18:15		Jaswal	OK
73	Q3370-01MS	WATER-TREATMENT	MS	10/21/25 18:19		Jaswal	OK
74	Q3370-01MSD	WATER-TREATMENT	MSD	10/21/25 18:23		Jaswal	OK
75	CCV06	CCV06	CCV	10/21/25 18:27		Jaswal	OK
76	CCB06	CCB06	CCB	10/21/25 18:31		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

Review By	Janvi	Review On	10/23/2025 4:36:41 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:34:14 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

77	Q3370-01A	WATER-TREATMENT	PS	10/21/25 18:36	0.1ml of each m6008 and m6017 in 10ml sample.	Jaswal	OK
78	Q3376-07	PR132-FB01-202510	SAM	10/21/25 18:40		Jaswal	OK
79	Q3400-01	FRAC-TANK-0760450	SAM	10/21/25 18:44		Jaswal	OK
80	Q3398-01	A748	SAM	10/21/25 18:48	BAD Injection	Jaswal	Not Ok
81	Q3399-01	COMP-ROLLOFF	SAM	10/21/25 19:01		Jaswal	OK
82	Q3405-01	PAD-10-20-25-A	SAM	10/21/25 19:05		Jaswal	OK
83	Q3405-02	PAD-10-20-25-B	SAM	10/21/25 19:09		Jaswal	OK
84	Q3405-03	PAD-10-20-25-C	SAM	10/21/25 19:14		Jaswal	OK
85	CCV07	CCV07	CCV	10/21/25 19:18		Jaswal	OK
86	CCB07	CCB07	CCB	10/21/25 19:22		Jaswal	OK
87	Q3405-04	SW-10-20-25	SAM	10/21/25 19:26		Jaswal	OK
88	Q3409-01	EXCAVATION-AREA-	SAM	10/21/25 19:31		Jaswal	OK
89	Q3409-02	EXCAVATION-AREA-	SAM	10/21/25 19:35		Jaswal	OK
90	Q3412-01	TP-6	SAM	10/21/25 19:39	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok
91	Q3412-01DUP	TP-6DUP	DUP	10/21/25 19:43	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok
92	Q3412-01L	TP-6L	SD	10/21/25 19:47	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok
93	Q3412-01MS	TP-6MS	MS	10/21/25 19:51	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok
94	Q3412-01MSD	TP-6MSD	MSD	10/21/25 19:55	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

Review By	Janvi	Review On	10/23/2025 4:36:41 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:34:14 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

95	Q3412-01A	TP-6A	PS	10/21/25 19:59	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok
96	CCV08	CCV08	CCV	10/21/25 20:03		Jaswal	OK
97	CCB08	CCB08	CCB	10/21/25 20:07		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137630

Review By	Janvi	Review On	10/28/2025 12:32:41 PM
Supervise By	jaswal	Supervise On	10/28/2025 3:14:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/23/25 12:40		Jaswal	OK
2	S1	S1	CAL2	10/23/25 12:45		Jaswal	OK
3	S2	S2	CAL3	10/23/25 12:49		Jaswal	OK
4	S3	S3	CAL4	10/23/25 12:53		Jaswal	OK
5	S4	S4	CAL5	10/23/25 12:57		Jaswal	OK
6	S5	S5	CAL6	10/23/25 13:01		Jaswal	OK
7	ICV01	ICV01	ICV	10/23/25 13:05		Jaswal	OK
8	LLICV01	LLICV01	LLICV	10/23/25 13:14		Jaswal	OK
9	ICB01	ICB01	ICB	10/23/25 13:20		Jaswal	OK
10	CRI01	CRI01	CRDL	10/23/25 13:24		Jaswal	OK
11	ICSA01	ICSA01	ICSA	10/23/25 13:28		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	10/23/25 13:39		Jaswal	OK
13	ICSA01DL	ICSA01DL	ICSA	10/23/25 13:43		Jaswal	OK
14	ICSAB01DL	ICSAB01DL	ICSAB	10/23/25 13:47		Jaswal	OK
15	CCV01	CCV01	CCV	10/23/25 13:52		Jaswal	OK
16	CCB01	CCB01	CCB	10/23/25 13:57		Jaswal	OK
17	LR-1	LR-1	HIGH STD	10/23/25 14:01		Jaswal	OK
18	LR-2	LR-2	HIGH STD	10/23/25 14:06		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137630

Review By	Janvi	Review On	10/28/2025 12:32:41 PM
Supervise By	jaswal	Supervise On	10/28/2025 3:14:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

19	LR-3	LR-3	HIGH STD	10/23/25 14:10		Jaswal	OK
20	Q3398-01	A748	SAM	10/23/25 14:15	Bad Injection	Jaswal	Not Ok
21	PB170190BS	PB170190BS	LCS	10/23/25 14:23		Jaswal	OK
22	Q3365-01DL	MW25DL	SAM	10/23/25 14:28	5x For Na	Jaswal	Confirms
23	Q3365-02DL	MW2DDL	SAM	10/23/25 14:32	5x For Na	Jaswal	Confirms
24	PB170190BL	PB170190BL	MB	10/23/25 14:36		Jaswal	OK
25	Q3398-01DL	A748DL	SAM	10/23/25 14:41	5X Mg,V oversaturated	Jaswal	Dilution
26	Q3398-01DL2	A748DL2	SAM	10/23/25 14:49	10x Mg still oversaturated	Jaswal	Dilution
27	CCV02	CCV02	CCV	10/23/25 15:04		Jaswal	OK
28	CCB02	CCB02	CCB	10/23/25 15:08		Jaswal	OK
29	Q3398-01DL3	A748DL	SAM	10/23/25 15:12	25X for Mg	Jaswal	Confirms
30	Q3368-06	OUTSIDE-DUMPSTE	SAM	10/23/25 15:17		Jaswal	OK
31	Q3368-07	PRESS-SLUDGE	SAM	10/23/25 15:21		Jaswal	OK
32	Q3397-04	TP-7-WC	SAM	10/23/25 15:25		Jaswal	OK
33	Q3399-02	COMP-ROLLOFF	SAM	10/23/25 15:30		Jaswal	OK
34	Q3402-03	41-LA	SAM	10/23/25 15:34		Jaswal	OK
35	Q3402-06	41-RA	SAM	10/23/25 15:38		Jaswal	OK
36	Q3402-09	41-LB	SAM	10/23/25 15:43		Jaswal	OK
37	Q3402-12	41-RB	SAM	10/23/25 15:47		Jaswal	OK
38	Q3403-04	MH-18	SAM	10/23/25 15:51		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137630

Review By	Janvi	Review On	10/28/2025 12:32:41 PM
Supervise By	jaswal	Supervise On	10/28/2025 3:14:16 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

39	CCV03	CCV03	CCV	10/23/25 15:56		Jaswal	OK
40	CCB03	CCB03	CCB	10/23/25 16:11		Jaswal	OK
41	Q3404-02	MOO-25-0285-0288	SAM	10/23/25 16:15		Jaswal	OK
42	Q3404-06	MOO-25-0292	SAM	10/23/25 16:19		Jaswal	OK
43	Q3416-01	NB-08-10212025	SAM	10/23/25 16:24		Jaswal	OK
44	CCV04	CCV04	CCV	10/23/25 16:43		Jaswal	OK
45	CCB04	CCB04	CCB	10/23/25 16:47		Jaswal	OK
46	Q3412-04	TP-6	SAM	10/23/25 16:51		Jaswal	OK
47	Q3412-04DUP	TP-6DUP	DUP	10/23/25 16:55		Jaswal	OK
48	Q3412-04L	TP-6L	SD	10/23/25 17:00		Jaswal	OK
49	Q3412-04MS	TP-6MS	MS	10/23/25 17:04		Jaswal	OK
50	Q3412-04MSD	TP-6MSD	MSD	10/23/25 17:08		Jaswal	OK
51	Q3412-04A	TP-6A	PS	10/23/25 17:12	0.1 ML OF M6008 AND M6017 IN 10ML SAMPLE.	Jaswal	OK
52	Q3406-02	ARS20-0037	SAM	10/23/25 17:16		Jaswal	OK
53	CCV05	CCV05	CCV	10/23/25 17:21		Jaswal	OK
54	CCB05	CCB05	CCB	10/23/25 17:25		Jaswal	OK
55	PB170185BL	PB170185BL	MB	10/23/25 17:30		Jaswal	OK
56	PB170185BS	PB170185BS	LCS	10/23/25 17:34		Jaswal	OK
57	Q3385-04	EFF-WW	SAM	10/23/25 17:38		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137630

Review By	Janvi	Review On	10/28/2025 12:32:41 PM
Supervise By	jaswal	Supervise On	10/28/2025 3:14:16 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

58	Q3385-04DUP	EFF-WWDUP	DUP	10/23/25 17:42		Jaswal	OK
59	Q3385-04L	EFF-WWL	SD	10/23/25 17:46		Jaswal	OK
60	Q3385-05	EFF-WWMS	MS	10/23/25 17:51		Jaswal	OK
61	Q3385-06	EFF-WWMSD	MSD	10/23/25 17:55		Jaswal	OK
62	Q3385-04A	EFF-WWA	PS	10/23/25 17:59	0.1 ML OF M6008 AND M6017 IN 10ML SAMPLE.	Jaswal	OK
63	Q3412-01	TP-6	SAM	10/23/25 18:03		Jaswal	OK
64	Q3412-01DUP	TP-6DUP	DUP	10/23/25 18:07		Jaswal	OK
65	CCV06	CCV06	CCV	10/23/25 18:11		Jaswal	OK
66	CCB06	CCB06	CCB	10/23/25 18:15		Jaswal	OK
67	Q3412-01L	TP-6L	SD	10/23/25 18:19		Jaswal	OK
68	Q3412-01MS	TP-6MS	MS	10/23/25 18:23		Jaswal	OK
69	Q3412-01MSD	TP-6MSD	MSD	10/23/25 18:27		Jaswal	OK
70	Q3412-01A	TP-6A	PS	10/23/25 18:31	0.1 ML OF M6008 AND M6017 IN 10ML SAMPLE.	Jaswal	OK
71	PB170224BL	PB170224BL	MB	10/23/25 18:35		Jaswal	OK
72	PB170224BS	PB170224BS	LCS	10/23/25 18:39		Jaswal	OK
73	Q3427-01	TP-8	SAM	10/23/25 18:43		Jaswal	OK
74	Q3431-01	EO-02-10222025	SAM	10/23/25 18:47		Jaswal	OK
75	Q3431-01DUP	EO-02-10222025DUP	DUP	10/23/25 18:51		Jaswal	OK
76	Q3431-01L	EO-02-10222025L	SD	10/23/25 18:55		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137630

Review By	Janvi	Review On	10/28/2025 12:32:41 PM
Supervise By	jaswal	Supervise On	10/28/2025 3:14:16 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

77	CCV07	CCV07	CCV	10/23/25 18:59		Jaswal	OK
78	CCB07	CCB07	CCB	10/23/25 19:04		Jaswal	OK
79	Q3431-01MS	EO-02-10222025MS	MS	10/23/25 19:08		Jaswal	OK
80	Q3431-01MSD	EO-02-10222025MSD	MSD	10/23/25 19:12		Jaswal	OK
81	Q3431-01A	EO-02-10222025A	PS	10/23/25 19:16	0.1 ML OF M6008 AND M6017 IN 10ML SAMPLE.	Jaswal	OK
82	Q3439-01	TP-9	SAM	10/23/25 19:19		Jaswal	OK
83	Q3439-05	TP-10	SAM	10/23/25 19:23		Jaswal	OK
84	PB170214BL	PB170214BL	MB	10/23/25 19:27		Jaswal	OK
85	PB170214BS	PB170214BS	LCS	10/23/25 19:32		Jaswal	OK
86	PB170214TB	PB170214TB	MB	10/23/25 19:36		Jaswal	OK
87	PB170223BL	PB170223BL	MB	10/23/25 19:40		Jaswal	OK
88	PB170223BS	PB170223BS	LCS	10/23/25 19:44		Jaswal	OK
89	CCV08	CCV08	CCV	10/23/25 19:48		Jaswal	OK
90	CCB08	CCB08	CCB	10/23/25 19:52		Jaswal	OK
91	PB170202TB	PB170202TB	MB	10/23/25 19:57	Cr Recovery fail	Jaswal	Not Ok
92	Q3414-01	SB-1	SAM	10/23/25 20:01		Jaswal	OK
93	Q3414-02	SB-2	SAM	10/23/25 20:05		Jaswal	OK
94	Q3414-03	SB-3	SAM	10/23/25 20:10		Jaswal	OK
95	Q3414-04	SB-4	SAM	10/23/25 20:14		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137630

Review By	Janvi	Review On	10/28/2025 12:32:41 PM
Supervise By	jaswal	Supervise On	10/28/2025 3:14:16 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

96	Q3414-05	SB-5	SAM	10/23/25 20:18		Jaswal	OK
97	Q3414-06	SB-6	SAM	10/23/25 20:22		Jaswal	OK
98	Q3414-07	SB-7	SAM	10/23/25 20:26		Jaswal	OK
99	Q3414-08	SB-8	SAM	10/23/25 20:30		Jaswal	OK
100	Q3414-09	SB-9	SAM	10/23/25 20:35		Jaswal	OK
101	CCV09	CCV09	CCV	10/23/25 20:39		Jaswal	OK
102	CCB09	CCB09	CCB	10/23/25 20:43		Jaswal	OK
103	Q3414-10	SB-10	SAM	10/23/25 20:47		Jaswal	OK
104	Q3414-11	SB-11	SAM	10/23/25 20:52		Jaswal	OK
105	Q3414-12	SB-12	SAM	10/23/25 20:56		Jaswal	OK
106	Q3414-13	SB-13	SAM	10/23/25 21:00		Jaswal	OK
107	Q3427-04	TP-8	SAM	10/23/25 21:04		Jaswal	OK
108	Q3427-04DUP	TP-8DUP	DUP	10/23/25 21:08		Jaswal	OK
109	Q3427-04L	TP-8L	SD	10/23/25 21:13		Jaswal	OK
110	Q3427-04MS	TP-8MS	MS	10/23/25 21:17		Jaswal	OK
111	Q3427-04MSD	TP-8MSD	MSD	10/23/25 21:21		Jaswal	OK
112	Q3427-04A	TP-8A	PS	10/23/25 21:25	0.1 ML OF M6008 AND M6017 IN 10ML SAMPLE.	Jaswal	OK
113	CCV10	CCV10	CCV	10/23/25 21:30		Jaswal	OK
114	CCB10	CCB10	CCB	10/23/25 21:34		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137630

Review By	Janvi	Review On	10/28/2025 12:32:41 PM
Supervise By	jaswal	Supervise On	10/28/2025 3:14:16 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

115	PB170225BL	PB170225BL	MB	10/23/25 21:38	Not use	Jaswal	Not Ok
116	PB170225BS	PB170225BS	LCS	10/23/25 21:42	Not use	Jaswal	Not Ok
117	Q3417-01	101425	SAM	10/23/25 21:46		Jaswal	Not Ok
118	Q3420-05	COMPOSITE	SAM	10/23/25 21:50	Not use	Jaswal	Not Ok
119	Q3420-05DUP	COMPOSITEDUP	DUP	10/23/25 21:55	Not use	Jaswal	Not Ok
120	Q3420-05L	COMPOSITEL	SD	10/23/25 21:59	Not use	Jaswal	Not Ok
121	Q3420-05MS	COMPOSITEMS	MS	10/23/25 22:03	Not use	Jaswal	Not Ok
122	Q3420-05MSD	COMPOSITEMSD	MSD	10/23/25 22:08	Not use	Jaswal	Not Ok
123	Q3420-05A	COMPOSITEA	PS	10/23/25 22:12	Not use	Jaswal	Not Ok
124	Q3422-02	PR132-FB2-2025102	SAM	10/23/25 22:16	Not use	Jaswal	Not Ok
125	CCV11	CCV11	CCV	10/23/25 22:20	CCV fail for Fe,K,Na,Tl	Jaswal	OK
126	CCB11	CCB11	CCB	10/23/25 22:24	CCB fail for K,Na	Jaswal	OK
127	Q3434-02	PR132-WC2-2025102	SAM	10/23/25 22:29	Not use	Jaswal	Not Ok
128	CCV12	CCV12	CCV	10/23/25 22:33	CCV fail for Fe,Na	Jaswal	OK
129	CCB12	CCB12	CCB	10/23/25 22:37	CCB fail for K,Na	Jaswal	OK

Prep Standard - Chemical Standard Summary

Order ID : Q3365
Test : Metals Group4
Prepbatch ID : PB170192,
Sequence ID/Qc Batch ID: LB137613, LB137613, LB137630, LB137630,

Standard ID :
 MP87148, MP87637, MP87638, MP87639, MP87640, MP87641, MP87642, MP87643, MP87644, MP87645, MP87646, MP87647, MP87648, MP87649, MP87650, MP87651, MP87668,

Chemical ID :
 M5467, M5658, M5697, M5748, M5798, M5799, M5800, M5801, M5814, M5820, M5962, M5969, M5971, M5979, M5985, M5998, M6021, M6023, M6026, M6027, M6028, M6030, M6032, M6058, M6077, M6086, M6128, M6137, M6140, M6142, M6144, M6145, M6151, M6158, M6159, M6160, M6163, M6164, M6165, M6171, M6174, M6176, M6177, M6178, M6179, M6182, M6184, M6187, M6200, M6201, M6209, W3112,

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
170	1:1HCL	MP87148	09/09/2025	02/17/2026	Sagar Kanani	None	None	Sarabjit Jaswal
								09/10/2025

FROM 1250.00000ml of M6151 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
902	ICP AES CAL BLK (SO/ICB/CCB)	MP87637	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal
								10/28/2025

FROM 125.00000ml of M6200 + 2350.00000ml of W3112 + 25.00000ml of M6187 = Final Quantity: 2500.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
907	ICP AES STD S (S5)	MP87638	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal
FROM 5.00000ml of M5467 + 5.00000ml of M5820 + 5.00000ml of M5969 + 5.00000ml of M5971 + 5.00000ml of M5998 + 5.00000ml of M6077 + 5.00000ml of M6160 + 5.00000ml of M6174 + 5.00000ml of M6176 + 455.00000ml of MP87637 = Final Quantity: 500.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
910	ICP AES STD S4	MP87639	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal
FROM 50.00000ml of MP87637 + 50.00000ml of MP87638 = Final Quantity: 100.000 ml								

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
909	ICP AES STD S3	MP87640	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP	Sarabjit Jaswal

A)

FROM 25.00000ml of MP87638 + 75.00000ml of MP87637 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3913	ICP AES STD S2	MP87641	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP	Sarabjit Jaswal

A)

FROM 16.00000ml of MP87638 + 184.00000ml of MP87637 = Final Quantity: 200.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2950	ICP AES S1/CRI STOCK STD	MP87642	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025
FROM 0.03000ml of M5798 + 0.03000ml of M6028 + 0.05000ml of M5658 + 0.05000ml of M6030 + 0.05000ml of M6140 + 0.05000ml of M6159 + 0.06000ml of M6177 + 0.10000ml of M5697 + 0.10000ml of M5801 + 0.10000ml of M5820 + 0.10000ml of M5962 + 0.10000ml of M5969 + 0.10000ml of M5971 + 0.10000ml of M6128 + 0.10000ml of M6176 + 0.15000ml of M5800 + 0.20000ml of M5799 + 0.20000ml of M5979 + 0.20000ml of M6021 + 0.20000ml of M6023 + 0.20000ml of M6027 + 0.20000ml of M6145 + 0.25000ml of M5467 + 0.25000ml of M6160 + 0.50000ml of M5814 + 0.50000ml of M6032 + 1.00000ml of M6086 + 1.00000ml of M6142 + 1.00000ml of M6144 + 1.00000ml of M6171 + 1.00000ml of M6178 + 2.00000ml of M6137 + 89.03000ml of MP87637 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2951	ICP AES S1/CRI WORK STD	MP87643	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025
FROM 2.00000ml of MP87642 + 98.00000ml of MP87637 = Final Quantity: 100.000 ml								

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4163	NEW ICV-060925	MP87644	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025
FROM 0.20000ml of M6058 + 0.40000ml of M6163 + 0.40000ml of M6164 + 0.40000ml of M6165 + 48.60000ml of MP87637 = Final Quantity: 50.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
904	ICP AES ICSA SOLN	MP87645	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025
FROM 25.00000ml of M6182 + 225.00000ml of MP87637 = Final Quantity: 250.000 ml								

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3494	ICP AES ICSAB SOLN-1	MP87646	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025
FROM 0.10000ml of M6077 + 10.00000ml of M6182 + 10.00000ml of M6184 + 79.90000ml of MP87637 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
911	ICP AES CCV SOLN	MP87647	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025
FROM 50.00000ml of MP87637 + 50.00000ml of MP87638 = Final Quantity: 100.000 ml								

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
903	ICP AES RINSE SOLN	MP87648	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 200.00000ml of M6187 + 9800.00000ml of W3112 = Final Quantity: 10000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4226	LR-2	MP87649	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025

FROM 13.50000ml of M6140 + 9.00000ml of M6142 + 9.50000ml of M6159 + 18.00000ml of MP87637 = Final Quantity: 50.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4227	LR-3	MP87650	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025
FROM 1.15000ml of M6026 + 1.25000ml of M5658 + 1.25000ml of M5748 + 1.50000ml of M6145 + 2.50000ml of M5697 + 2.50000ml of M6128 + 39.85000ml of MP87637 = Final Quantity: 50.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4225	LR-1	MP87651	10/17/2025	11/17/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025
FROM 11.50000ml of M6086 + 11.50000ml of M6144 + 11.50000ml of M6171 + 15.50000ml of MP87637 = Final Quantity: 50.000 ml								

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
919	ICP AES INTERNAL STD	MP87668	10/17/2025	11/11/2025	Janvi Patel	None	METALS_PIPETTE_1 (ICP A)	Sarabjit Jaswal 10/28/2025
FROM 1.00000ml of M6179 + 10.00000ml of M5985 + 1969.00000ml of W3112 + 20.00000ml of M6187 = Final Quantity: 2000.000 ml								

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CHEMICAL RECEIPT LOG BOOK

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.	58024 / Chromium, Cr, 500 ml, 1000 PPM	060523	06/05/2026	08/28/2023 / jaswal	08/25/2023 / jaswal	M5658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	102523	10/25/2026	04/03/2024 / jaswal	10/27/2023 / jaswal	M5697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Nickel (Ni) 1000PPM	091223	09/12/2026	01/02/2024 / bin	12/20/2023 / jaswal	M5748

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57005 / B, 1000 PPM, 125 ml	071123	07/11/2026	03/26/2024 / Sohil	01/03/2024 / jaswal	M5814

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	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 #
Absolute Standards, Inc.	57034 / Se, 1000 PPM, 125 ml	060624	06/06/2027	07/02/2024 / Jaswal	06/14/2024 / Jaswal	M5962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57016 / S, 1000 PPM, 125 ml	122923	03/31/2026	03/31/2025 / kareem	06/11/2024 / Jaswal	M5969

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57003 / Li, 1000 PPM, 125 ml	061224	06/21/2027	06/06/2025 / Janvi	07/01/2024 / Jaswal	M5971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGT11-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	08/05/2026	08/06/2025 / Janvi	02/22/2024 / Jaswal	M5979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGIN10-5 / INDIUM 1 x 500 ml	U2-IN729349	02/21/2028	10/08/2024 / Jaswal	06/14/2024 / Jaswal	M5985

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-3 / CLP CAL SOLUTION #3, 125mL	T2-MEB727800	07/30/2026	07/30/2025 / Janvi	02/22/2024 / kareem	M5998

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / TI, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57182 / Pb, 10000 PPM, 125 ml	110923	11/09/2026	12/05/2024 / janvi	08/05/2024 / Jaswal	M6026

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	062024	06/20/2027	06/04/2025 / Janvi	08/05/2024 / Jaswal	M6027

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57047 / Ag, 1000 PPM, 125 ml	122823	12/28/2026	08/05/2024 / kareem	08/05/2024 / Jaswal	M6030

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	010924	01/09/2027	01/14/2025 / Jaswal	08/05/2024 / Jaswal	M6032

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	Z9651Q / CHEM-CLP-4/.25L	V2-MEB746762	09/06/2029	01/23/2025 / kareem	09/19/2024 / kareem	M6077

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Calcium, 500 ml, 10000 PPM	082324	08/23/2027	03/06/2025 / JANVI	10/14/2024 / jaswal	M6086

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	101124	10/11/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6128

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSI1-1 / SILICON 125mL 1000ug/mL	V2-SI744713	07/10/2029	01/14/2025 / Jaswal	10/03/2024 / Jaswal	M6137

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58126 / Fe, 10000 PPM, 500 ml	011025	01/10/2028	06/25/2025 / Janvi	01/13/2025 / Jaswal	M6140

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58119 / K, 10000 PPM, 500 ml	103024	10/30/2027	05/06/2025 / JANVI	01/13/2025 / Jaswal	M6142

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 #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	02/17/2026	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	10/30/2025	03/10/2025 / Eman	02/02/2025 / Sagar	M6158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011325	03/18/2026	03/18/2025 / kareem	02/09/2025 / kareem	M6159

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	071724	07/17/2027	03/24/2025 / kareem	10/18/2024 / kareem	M6160

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	QCP-CICV-1-125ML / EPA CLP ICP Verification Standard1	V2-MEB744107	06/08/2026	06/09/2025 / jaswal	06/06/2025 / jaswal	M6163

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	QCP-CICV-2-125ML / EPA CLP ICP Verification Standard2	U2-MEB733713	06/08/2026	06/09/2025 / jaswal	06/09/2025 / jaswal	M6164

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	QCP-CICV-3-125ML / EPA CLP ICP Verification Standard3	V2-MEB749572	06/08/2026	06/09/2025 / jaswal	06/09/2025 / jaswal	M6165

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	011525	01/15/2028	07/15/2025 / Janvi	02/13/2025 / Janvi	M6171

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-1 / CLP CAL SOLUTION #1, 125mL	V2-MEB742428	07/31/2026	07/31/2025 / Janvi	05/05/2025 / Janvi	M6174

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	092724	09/27/2027	08/06/2025 / Janvi	08/06/2025 / Janvi	M6176

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ Lead (Pb) 1000PPM	031525	03/15/2028	08/06/2025 / Janvi	08/06/2025 / Janvi	M6177

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57042 / Mo, 1000 PPM, 125 ml	080528	08/05/2028	08/06/2025 / Janvi	08/06/2025 / Janvi	M6178

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGY10-1 / YTTRIUM 125mL 10,000ug/mL	V2-Y740548	08/05/2026	08/06/2025 / Janvi	06/02/2024 / Janvi	M6179

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICP) STOCK SOLN	ICSA-1211	02/05/2026	08/06/2025 / Janvi	03/06/2024 / Janvi	M6182

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSAB (ICP) STOCK SOLN	ICSB-0710	02/05/2026	08/06/2025 / Janvi	03/06/2024 / Janvi	M6184

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24H0162012	01/28/2026	08/29/2025 / Sagar	08/08/2025 / Sagar	M6187

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	24D1562005	02/10/2026	09/11/2025 / Sagar	08/25/2025 / Sagar	M6200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-2 / Laboratory Fortified Stock Solution 2, 125 ml	V2-MEB743480	10/15/2026	10/15/2025 / Janvi	07/20/2025 / janvi	M6201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-1 / Laboratory Fortified Stock Solution 1, 125 ml	V2-MEB752149	10/15/2026	10/15/2025 / Janvi	07/20/2025 / Janvi	M6209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112



M6032

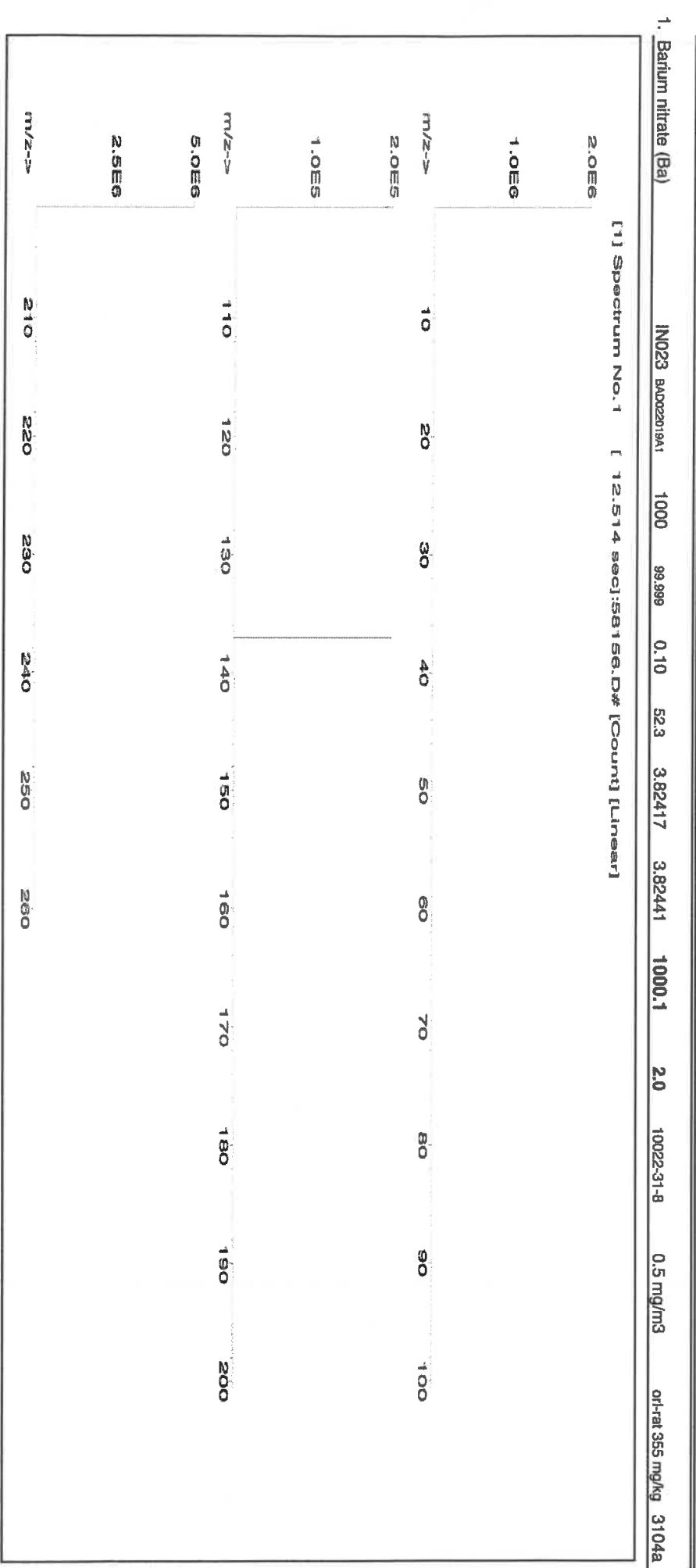


CERTIFIED WEIGHT REPORT:

Part Number: 57056
Lot Number: 010924
Description: Barium (Ba)
Solvent: Nitric Acid
Lot #
Expiration Date: 010927
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02
Balance Uncertainty: 5E-05
Flask Uncertainty: 0.058

Formulated By: Giovanni Esposito
Reviewed By: Pedro L. Renterias
010924

SDS Information									
Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)
1. Barium nitrate (Ba)	IN023 BA0022019A1	1000	99.999	0.10	52.3	3.82417	3.82441	1000.1	2.0





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 certified (+/-) 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).



Certified Reference Material CRM



Rev'd 2/10/14/2024 M6085 / M6086 / M6087

CERTIFIED WEIGHT REPORT:

Part Number: 58120
Lot Number: 082324
Description: Calcium (Ca)

Solvent: 24002546 Nitric Acid

Lot #

2% 80.0 Nitric Acid (mL)

Expiration Date: 082327

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 10000

NIST Test Number: 6UTB

5E-05 Balance Uncertainty

Weight shown below was diluted to (mL): 4000.1 0.15 Flask Uncertainty

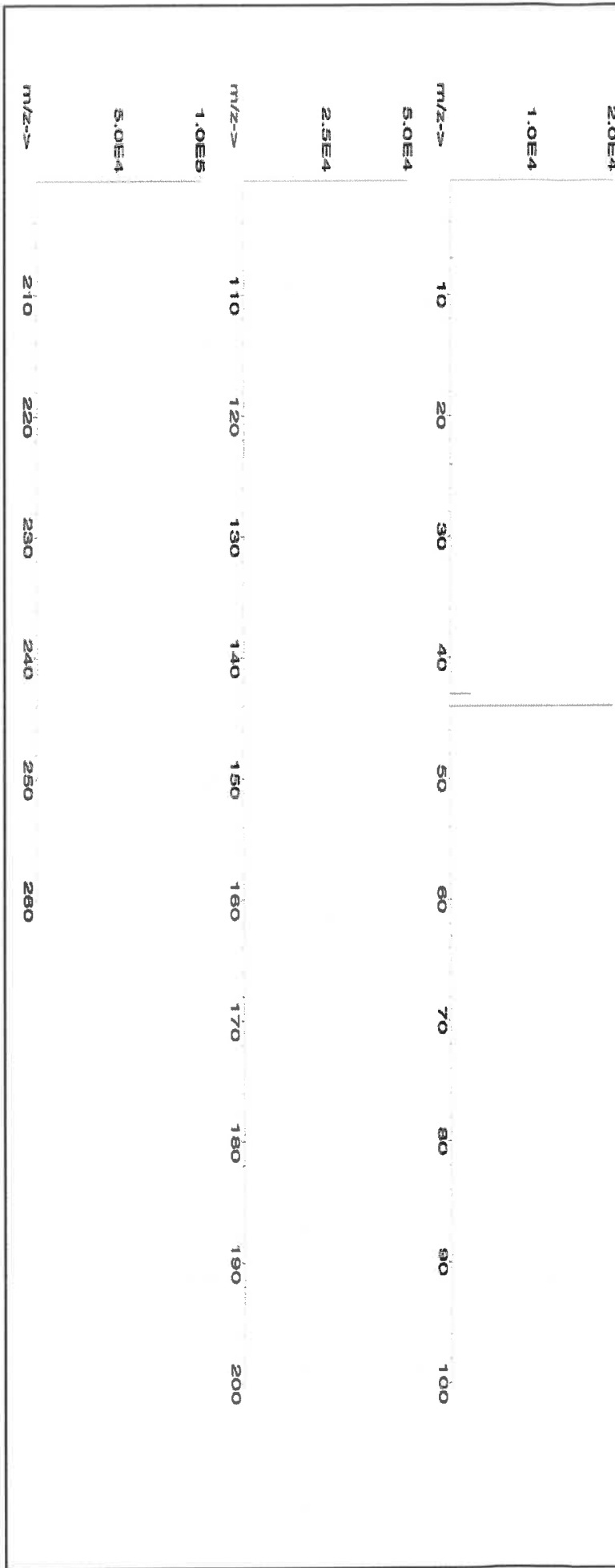
<i>Giovanni Esposito</i>	
Formulated By:	Giovanni Esposito
Reviewed By:	Pedro L. Rentas
	082324

SDS Information

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Calcium carbonate (Ca) IN014 CAD03202383 10000 99.999 0.10 39.9 100.2537 100.2656 10001.2 20.0 471-34-1 5 mg/m3 or-rat >2000mg/kg 3109a

[1] Spectrum No. 1 [12.514 sec]:58120.D* [Count] [Linear]





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	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	30	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Su	<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 certified (+/-) 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).



CERTIFIED WEIGHT REPORT:

Part Number: 57048
Lot Number: 070124
Description: Cadmium (Cd)

Lot #
Solvent: 24002546 Nitric Acid

Expiration Date: 070127

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 1000

NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 2000.07

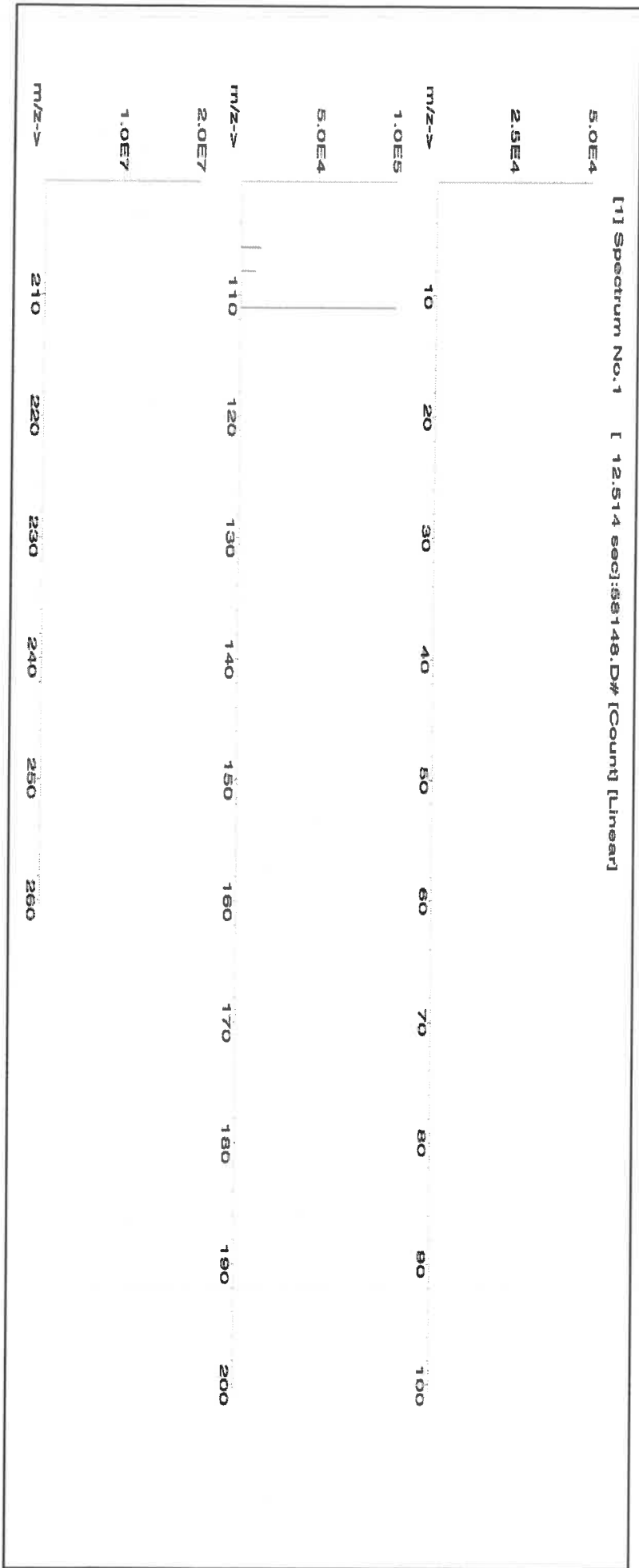
SE-05 Balance Uncertainty
0.100 Flask Uncertainty

2% 40.0 (mL) Nitric Acid

<i>Aleah O'Brady</i>	
Formulated By:	Aleah O'Brady
	070124
<i>Pedro L. Rentas</i>	
Reviewed By:	Pedro L. Rentas
	070124

Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty		CAS#	SDS Information		NIST SRM
									+/- (µg/mL)	(µg/mL)		(Solvent Safety Info. On Attached pg.)	LD50	

1. Cadmium nitrate tetrahydrate (Cd) IN024 CDM09221A1 1000 99.999 0.10 36.5 5.4797 5.4804 1000.1 2.0 10022-68-1 0.01 mg/m3 or-rat 60.2mg/kg 3108





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.2	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<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	Ba	<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	Cd	<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	Pr	<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 certified (+/-) 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).



MC026



CERTIFIED WEIGHT REPORT:

Part Number: **57182**
Lot Number: **110923**
Description: **Lead (Pb)**

Lot #
Solvent: **24002546 Nitric Acid**

Expiration Date: **110926**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test Number: **6UTB**

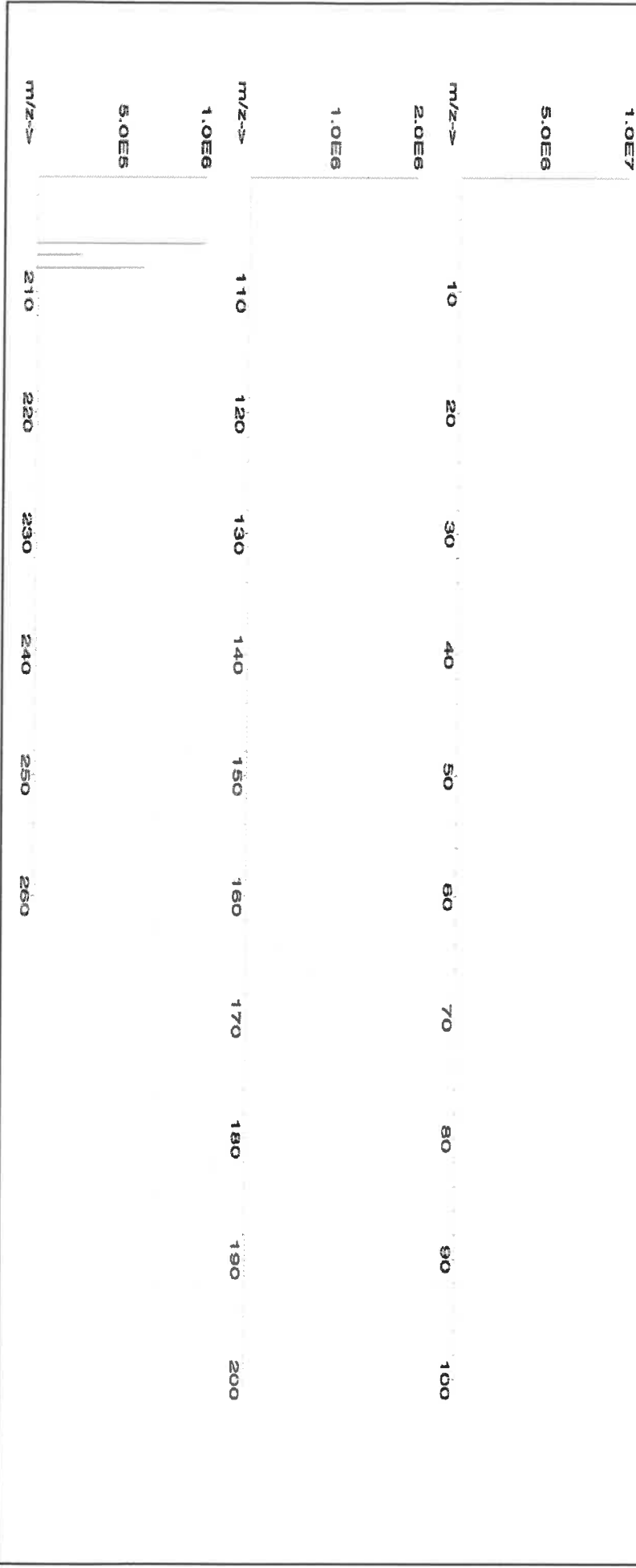
2% **40.0** **Nitric Acid**
(mL)

Weight shown below was diluted to (mL): **2000.02** **5E-05** Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry
Reviewed By:	Pedro L. Rentas
110923	

SDS Information									
Compound	Lot	Nominal	Purity	Uncertainty	Assay	Target	Actual	Actual	Expanded
	Number	Conc. (µg/mL)	(%)	Purity (%)	(%)	Weight (g)	Weight (g)	Conc. (µg/mL)	Uncertainty +/- (µg/mL)
1. Lead(II) nitrate (Pb)	IN029	PED12016A1	10000	99.999	0.10	62.5	32.0006	32.0040	10001.1
									20.0
									10099-74-8
									0.05 mg/m3
									intrinsic rat 83 mg/kg
									3128

[1] Spectrum No.1 [17.284 sec]:58182.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS ($\mu\text{g/mL}$)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<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	Bu	<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

Physical Characterization:

(T)= Target analyte

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 certified (+/-) 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).



Certified Reference Material CRM



M5467 R: 03/01/23 (14)

CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

57058
020623
Cerium (Ce)

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test Number:

020626
Ambient (20 °C)
1000
6UTB

Weight shown below was diluted to (mL):

1000.12

5E-05 Balance Uncertainty

0.058 Flask Uncertainty

Lot #

Solvent: 21110221 Nitric Acid

2% 20.0 Nitric Acid (mL)

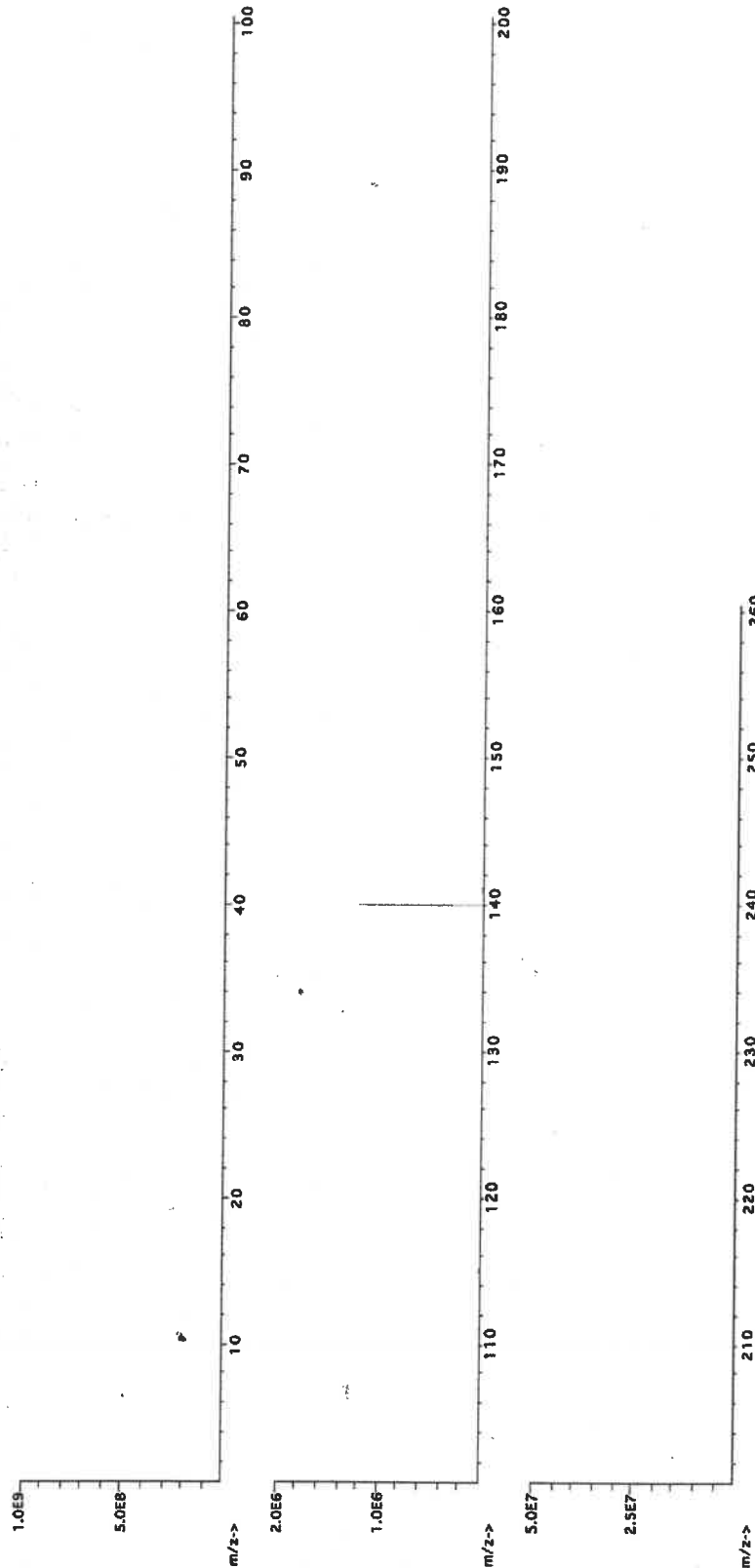
Formulated By:	Lawrence Barry
Reviewed By:	Pedro L. Rentas

SDS Information

Expanded Uncertainty +/- (µg/mL) CAS# OSHA PEL (TWA) LD50 SRM

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	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

[1] Spectrum No.1 [43.472 sec]58158.D# [Count] [Linear]





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	La	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Tc	<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	<0.02	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 certified (+/-) 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).



CERTIFIED WEIGHT REPORT:

Part Number: 58024
Lot Number: 060523
Description: Chromium (Cr)

Lot # 21110221
Solvent: Nitric Acid

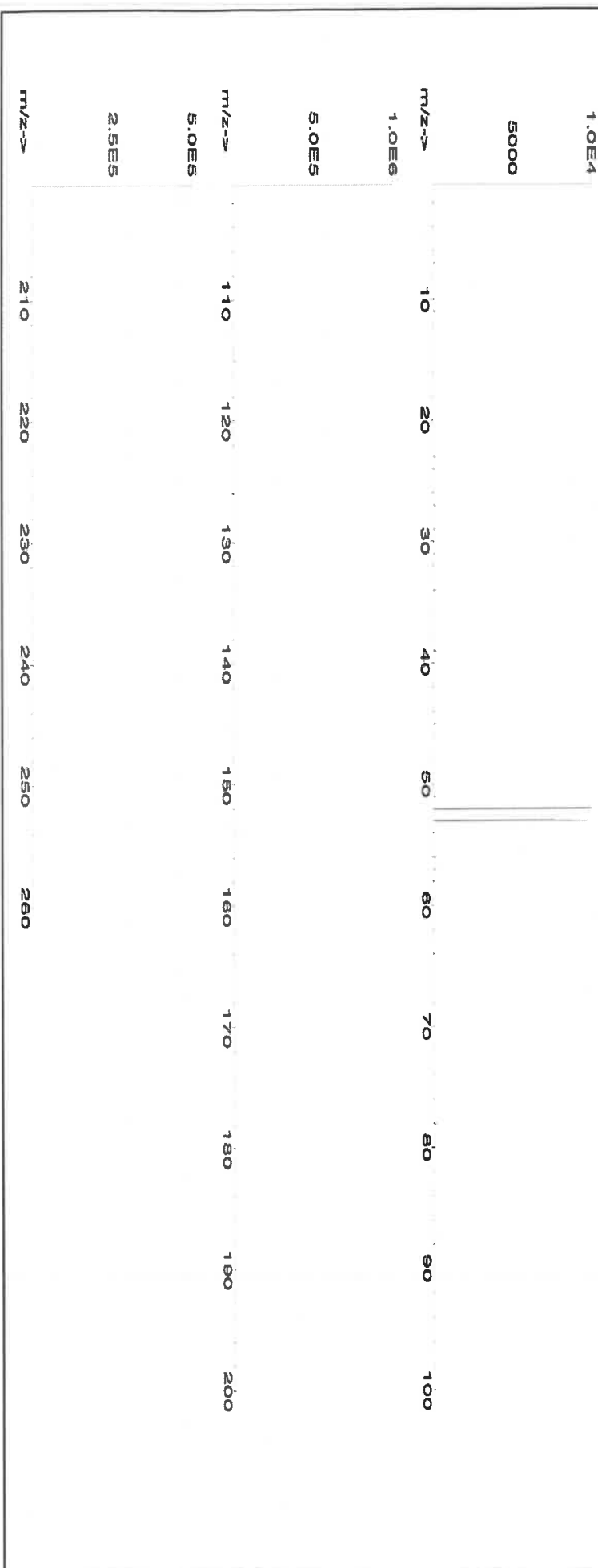
Formulated By:	Lawrence Barry
	060523
Reviewed By:	Pedro L. Ruelas
	060523

Expiration Date: 060526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 2000.02
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	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 or rat 3250 mg/kg 3112a

[1] Spectrum No.1 [31.393 sec]:57024.D# [Count] [Linear]





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:

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 certified (+/-) 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).



Certified Reference Material CRM



M5697 R: 10/27/23

CERTIFIED WEIGHT REPORT:

Part Number: 58029
Lot Number: 102523
Description: Copper (Cu)

Lot # 24002546
Solvent: Nitric Acid

Expiration Date: 102526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

Volume shown below was diluted to (mL): 2000.02

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Benson Chan
102523	
Reviewed By:	Pedro L. Rentas
102523	

SDS Information

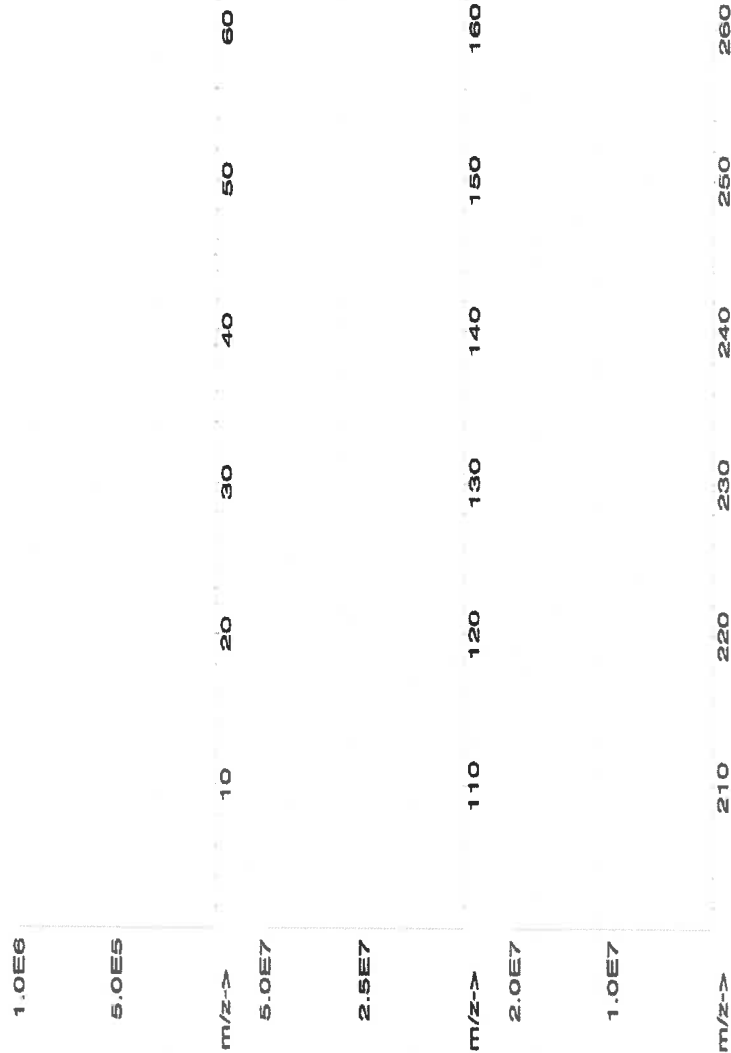
Expanded Uncertainty
+/- (µg/mL)
Final Conc. (µg/mL)
Initial Conc. (µg/mL)
Nominal Conc. (µg/mL)
Dilution Factor
Part Number
Lot Number

(Solvent Safety Info. On Attached pg.)
CAS#
OSHA PEL (TWA)
LD50

NIST
SRM

1. Copper(II) nitrate trihydrate (Cu) 58129 100223 0.1000 200.0 0.084 1000 10000.1 1000.0 2.2 10031-43-3 1 mg/m3 orl-rat 794 mg/kg 3114

[1] Spectrum No.1 [33.422 sec]:58029.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS ($\mu\text{g/mL}$)

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	<0.02	Os	<0.01	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	<0.2	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 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).



CERTIFIED WEIGHT REPORT:

Part Number: **57028**
Lot Number: **091223**
Description: **Nickel (NI)**

Lot # **24002546**
Solvent: **Nitric Acid**

Expiration Date: **091226**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test Number: **6U7B**

2.0% **40.0** **Nitric Acid**
(mL)

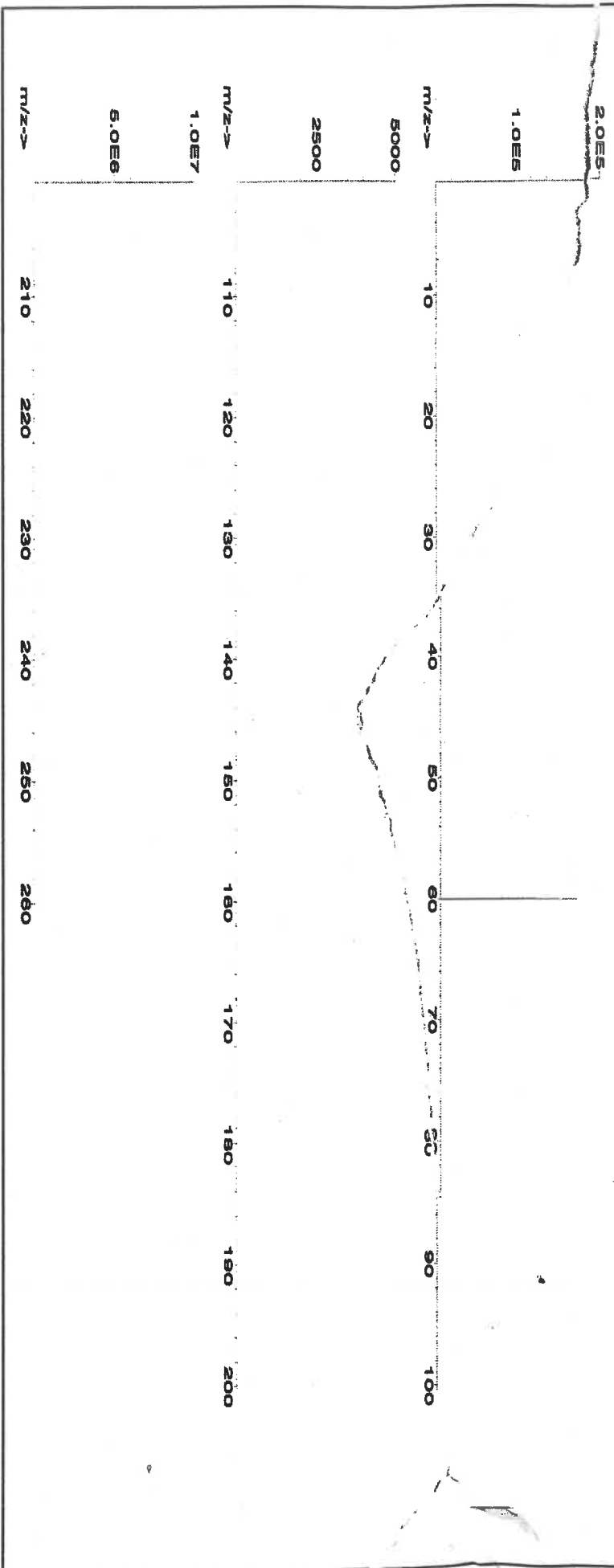
Volume shown below was diluted to (mL): **2000.02** **5E-05** **Balance Uncertainty**
0.056 **Flask Uncertainty**

Formulated By:	<i>Lawrence Barry</i>	091223
Reviewed By:	<i>Pedro L. Renteria</i>	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)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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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 or-rel 1620 mg/kg 3136

[1] Spectrum No.1 [9.135 sec]:56028.D# [Count] [Linear]





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	Pt	<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	Ti	<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	K	<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		<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 certified (+/-) 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).



CERTIFIED WEIGHT REPORT:

Part Number: 57004
Lot Number: 102523
Description: Beryllium (Be)

Lot # 24002546
Solvent: Nitric Acid

Expiration Date:

102526

2.0%

40.0 (mL)

Nitric Acid

Recommended Storage:

Ambient (20 °C)

Nominal Concentration (µg/mL):

1000

NIST Test Number:

6UTB

Volume shown below was diluted to (mL): 2000.02

5E-05 Balance Uncertainty

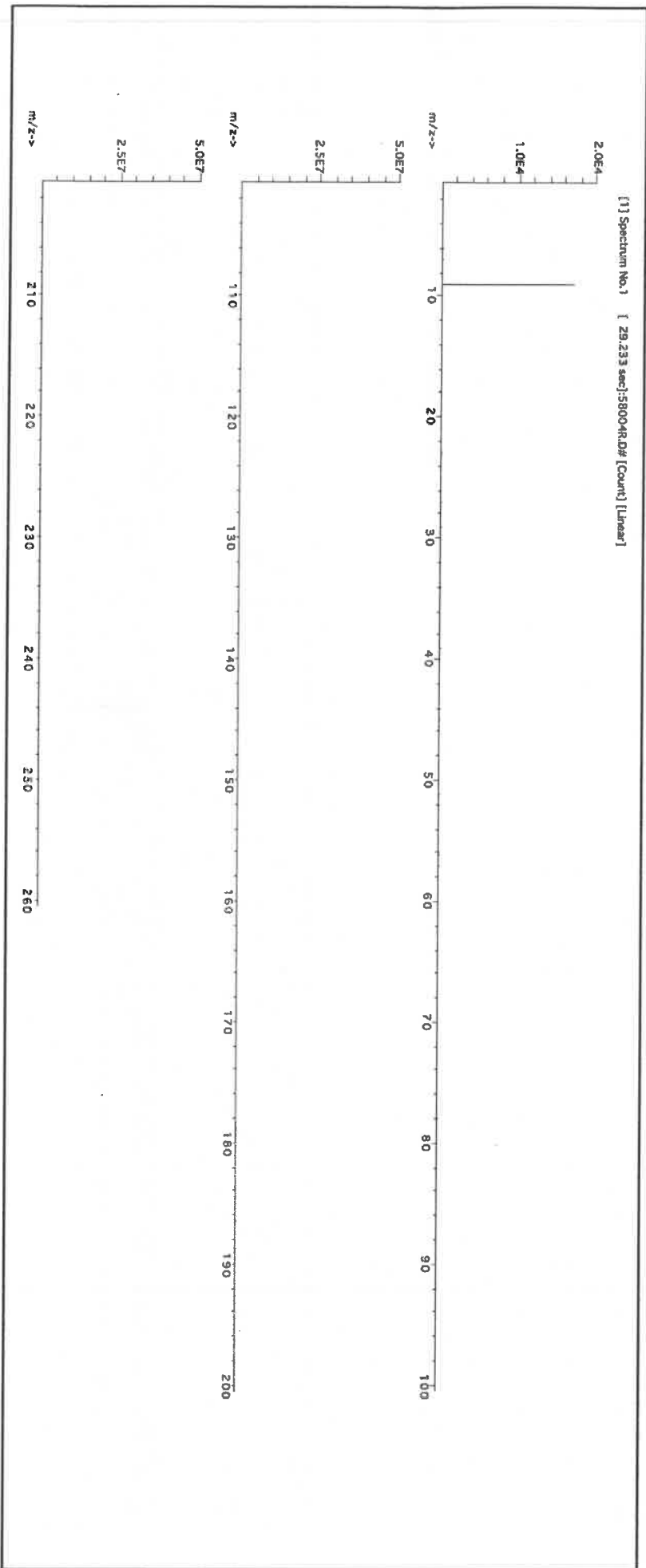
0.058 Flask Uncertainty

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

SDS Information

Compound	Part Number	Lot	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	1000.0	2.2	13597-99-4	0.2µg/m3	intrinsc-rat 3.16mg/kg	NA
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<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	Tc	<0.02	U	<0.02
As	<0.02	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Ti	<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	<0.02	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	Ta	<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	Tl	<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 certified (+/-) 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).



CERTIFIED WEIGHT REPORT:

Part Number: **57050**
Lot Number: **071123**
Description: **Tin (Sn)**

Solvents: **21110221** Nitric Acid
22D0562008 Hydrochloric acid

Lot # **R-02509124**

M599

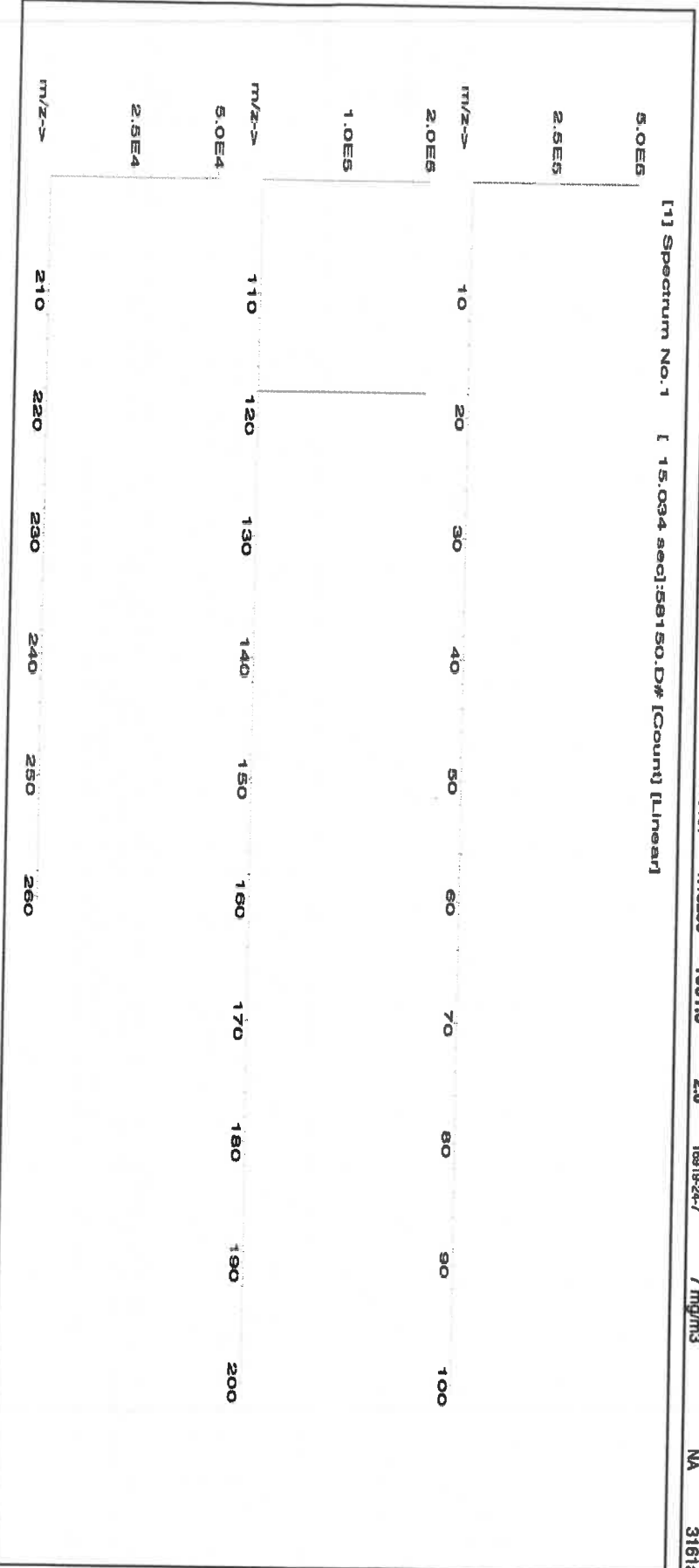
B6

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**
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By: <i>Benson Chan</i>	
Reviewed By: <i>Pedro L. Rentas</i>	
Date: <i>071123</i>	

SDS Information									
Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)
1. Ammonium hexafluoroantimonate(V) (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

[1] Spectrum No. 1 [15.034 sec] :56150.D# [Count] [Linear]





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	Ta	<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 certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



R: 02/09/24 115800 (54)

CERTIFIED WEIGHT REPORT:

Part Number: 57027
Lot Number: 091923
Description: Cobalt (Co)

Expiration Date: 091926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 2000.02

Lot # 24002546
Solvent: Nitric Acid

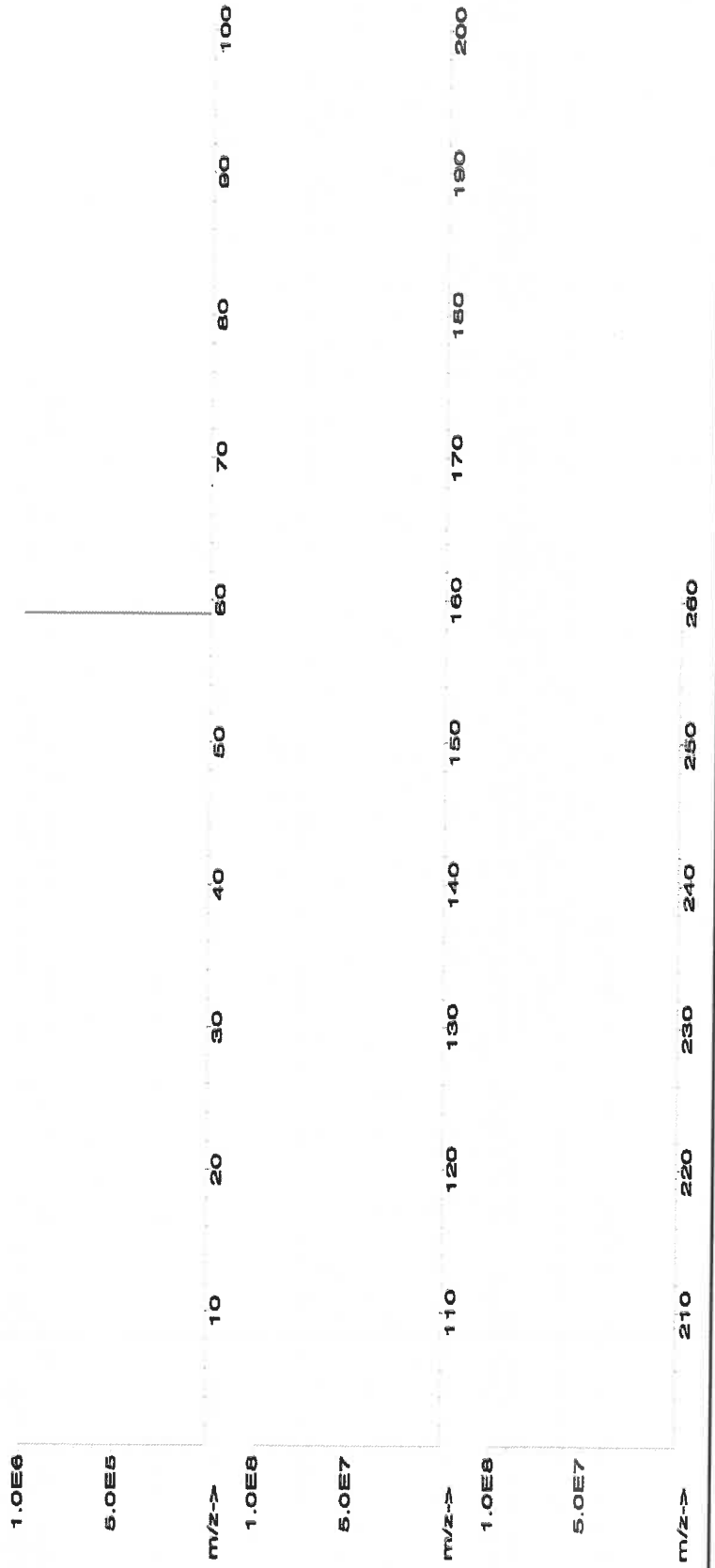
Formulated By: Lawrence Barry 091923
Reviewed By: Pedro L. Rentas 091923

SDS Information

Expanded Uncertainty +/- (µg/mL) 2.2
(Solvent Safety Info. On Attached pg.)
NIST CAS# OSHA PEL (TWA) LD50 SRM

1. Cobalt(II) nitrate hexahydrate (Co) 58127 050923 0.1000 200.0 0.084 1000 10000.0 1000.0 0.02 mg/m3 orl-rat 691 mg/kg 3113

[1] Spectrum No.1 [34.243 sec]:58027.D# [Count] [Linear]





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	<0.02	Os	<0.01	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	<0.2	Na	<0.02	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	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 certified (+/-) 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).



Certified Reference Material CRM

AR: 02/09/24

M5801

BA



CERTIFIED WEIGHT REPORT:

Part Number: 57033
Lot Number: 111323
Description: Arsenic (As)

Lot # 24002546
Solvent: Nitric Acid

Expiration Date: 111326

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 1000

NIST Test Number: 6LUTB

Volume shown below was diluted to (mL): 4000.0

Balance Uncertainty: 5E-05
Flask Uncertainty: 0.06

2.0%

80.0
(mL)

Nitric Acid

Formulated By: Lawrence Barry

111323

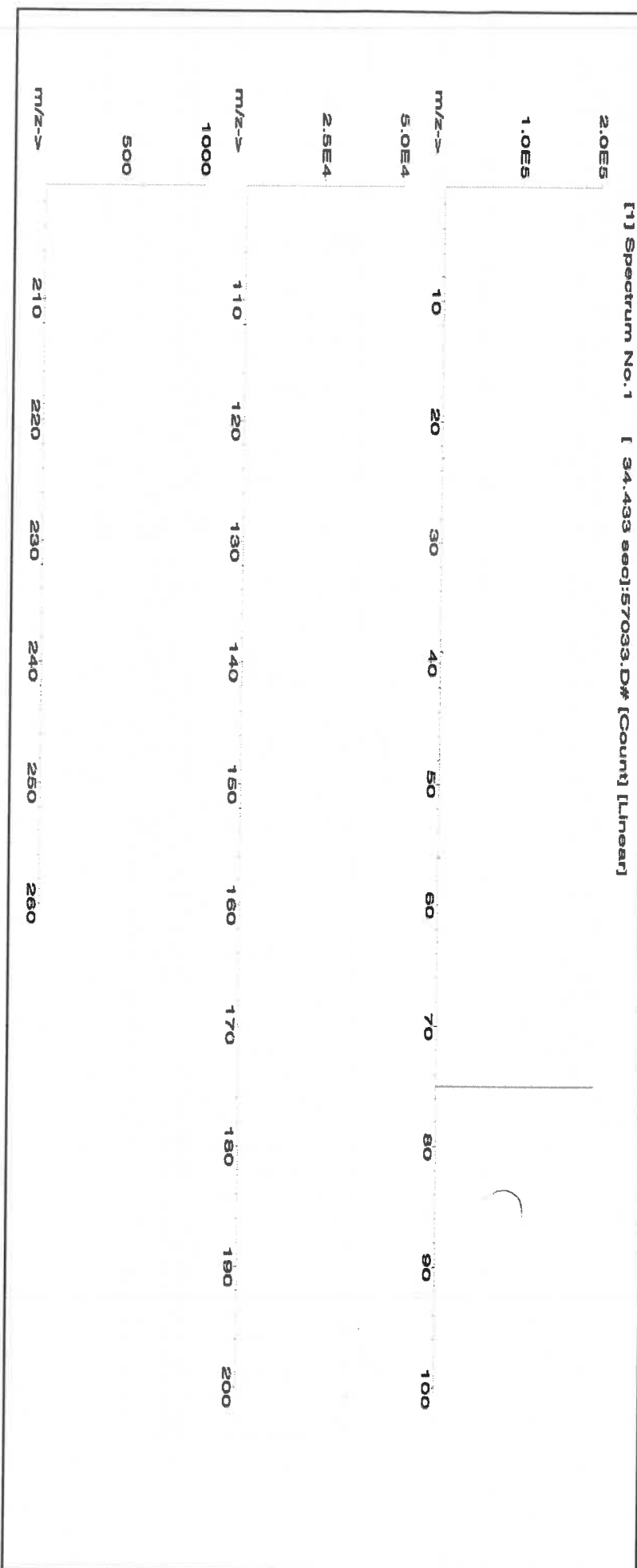
Reviewed By: Pedro L. Rendas

111323

SDS Information

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)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Arsenic (As)	57033	020522	0.1000	400.0	0.084	1000	10001.0	1000.0	2.0	7440-38-2	0.5 mg/m3	or-rat 500 mg/kg	3103a

[1] Spectrum No. 1 [34.433 sec]:57033.D# [Count] [Linear]





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	Pt	<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	Tl ₂	<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	Pr	<0.02	Sm	<0.02	S	<0.02	Sa	<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 certified (+/-) 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).



CERTIFIED WEIGHT REPORT:

Part Number: **57005**
Lot Number: **071123**
Description: **Boron (B)**

Solvent: MKB0857V Ammonium hydroxide

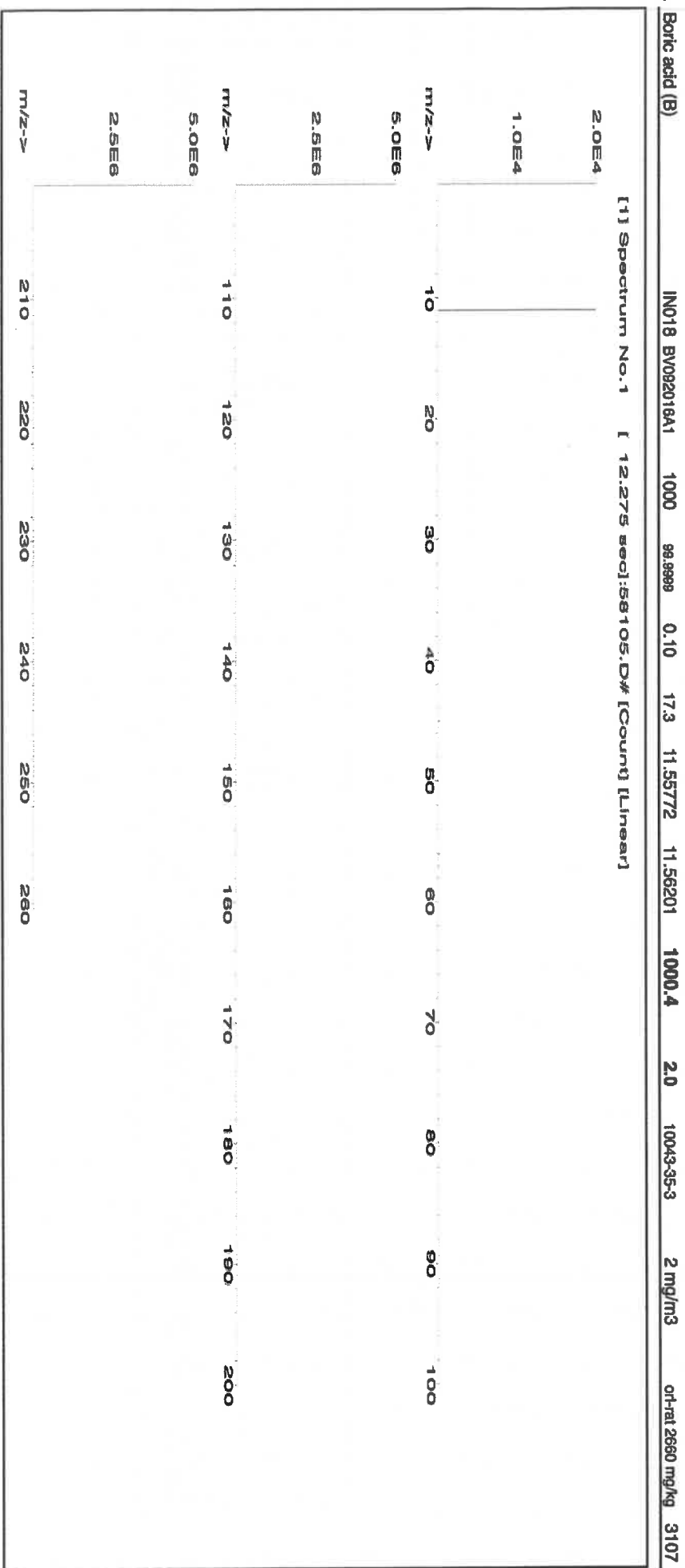
Lot #

AI: 021009124 M5814

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 Balance Uncertainty
2.0% 40.0 Ammonium hydroxide (mL)

Formulated By:	Benson Chan
071123	
Reviewed By:	Pedro L. Rientas
071123	

SDS Information									
Compound	Lot	Nominal	Purity	Uncertainty	Assay	Target	Actual	Actual	Expanded
	Number	Conc. (µg/mL)	(%)	Purity (%)	(%)	Weight (g)	Weight (g)	Conc. (µg/mL)	+/- (µg/mL)
									(Solvent Safety Info. On Attached pg.)
									LD50
									NIST SRM





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	Pt	<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.
- * 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 certified (+/-) 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).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT:

Part Number: 57015
Lot Number: 091123
Description: Phosphorous (P)

Solvent: 24002546 Nitric Acid

Lot #

Formulated By: Lawrence Barry
Reviewed By: Pedro L. Rentas

Expiration Date: 091126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6LUTB

2% 40.0 (mL) Nitric Acid

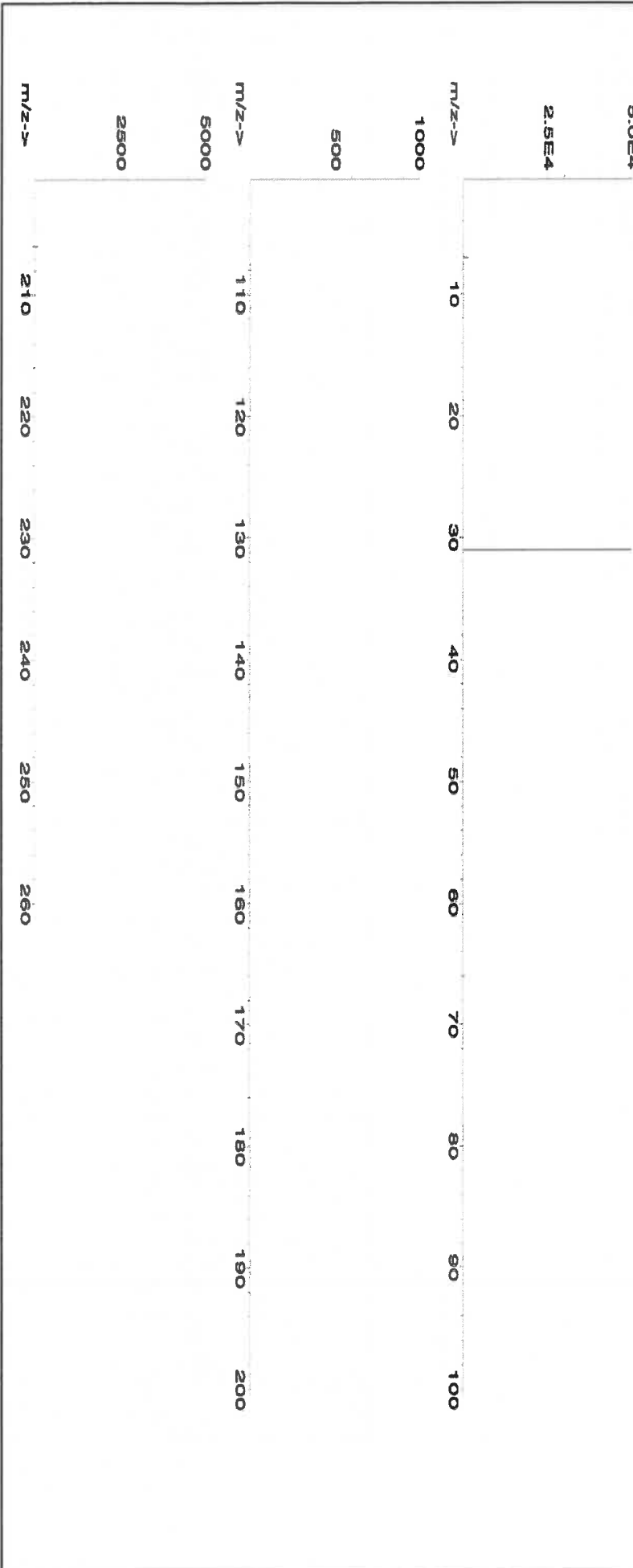
Weight shown below was diluted to (mL): 2000.02
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

SDS Information

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)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Ammonium dihydrogen phosphate (P) IN008 PVO62019A1 1000 99.999 0.10 27.5 7.2729 7.2730 1000.0 2.0 7722-76-1 5 mg/m3 xH-rat >2000mg/kg 3186

[1] Spectrum No.1 [12.074 sec]:58115.D# [Count] [Linear]





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	Tc	<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	Sa	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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- * 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



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CERTIFIED WEIGHT REPORT:

Part Number:

57034

Lot Number:

060624

Description:

Selenium (Se)

Lot # Solvent:

24002546 Nitric Acid

2.0% 40.0 (mL)

Nitric Acid

Expiration Date:

060627

Recommended Storage:

Ambient (20 °C)

Nominal Concentration (µg/mL):

1000

NIST Test Number:

6UTB

Volume shown below was diluted to (mL):

2000.07

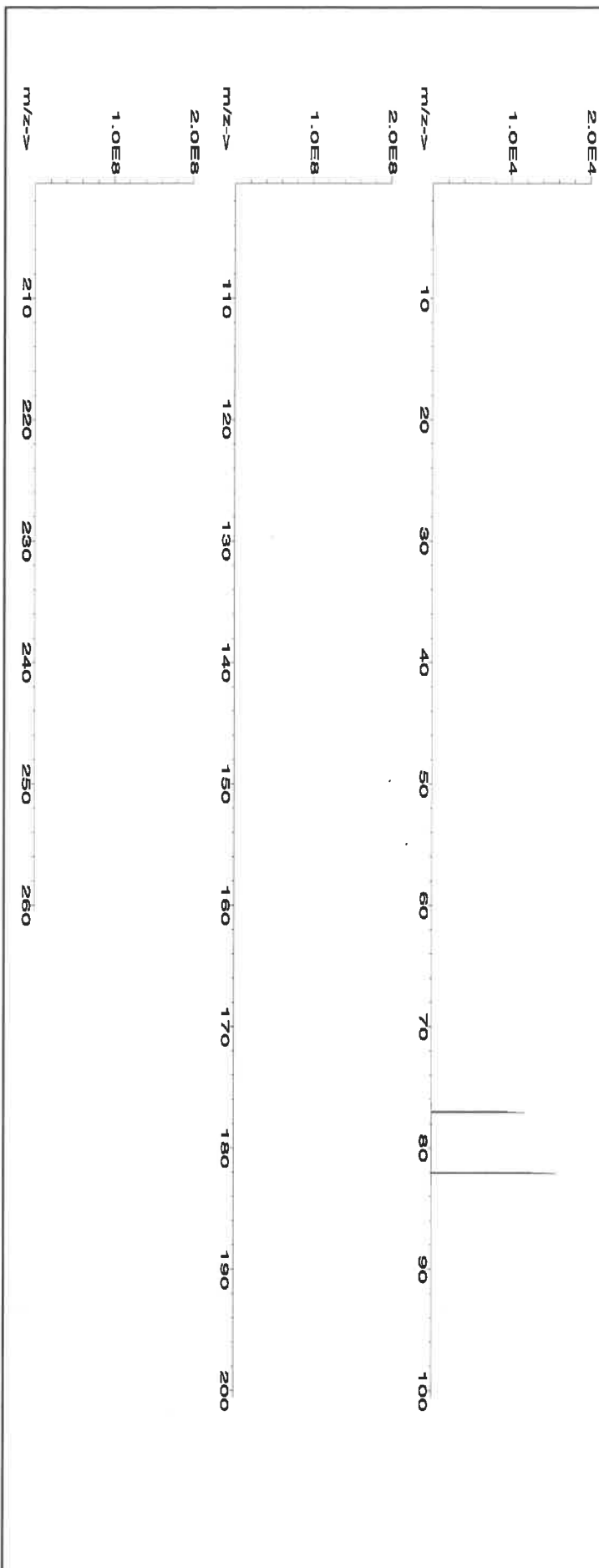
SE-05 Balance Uncertainty
0.100 Flask Uncertainty

Compound

Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	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.)	NIST SRM
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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	or-tral 6700 mg/kg	3149
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[1] Spectrum No. 1 [33.702 sec]:58034.D# [Count] [Linear]



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Certified Reference Material CRM



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<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	Pt	<0.02	Se	T	Tb	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	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	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	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	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	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	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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- * Standards are certified (+/-) 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).



Certified Reference Material CRM



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT:

Part Number: **57016**
Lot Number: **122923**
Description: **Sulfur (S)**

Lot #
Solvent: **122923** ASTM Type 1 Water

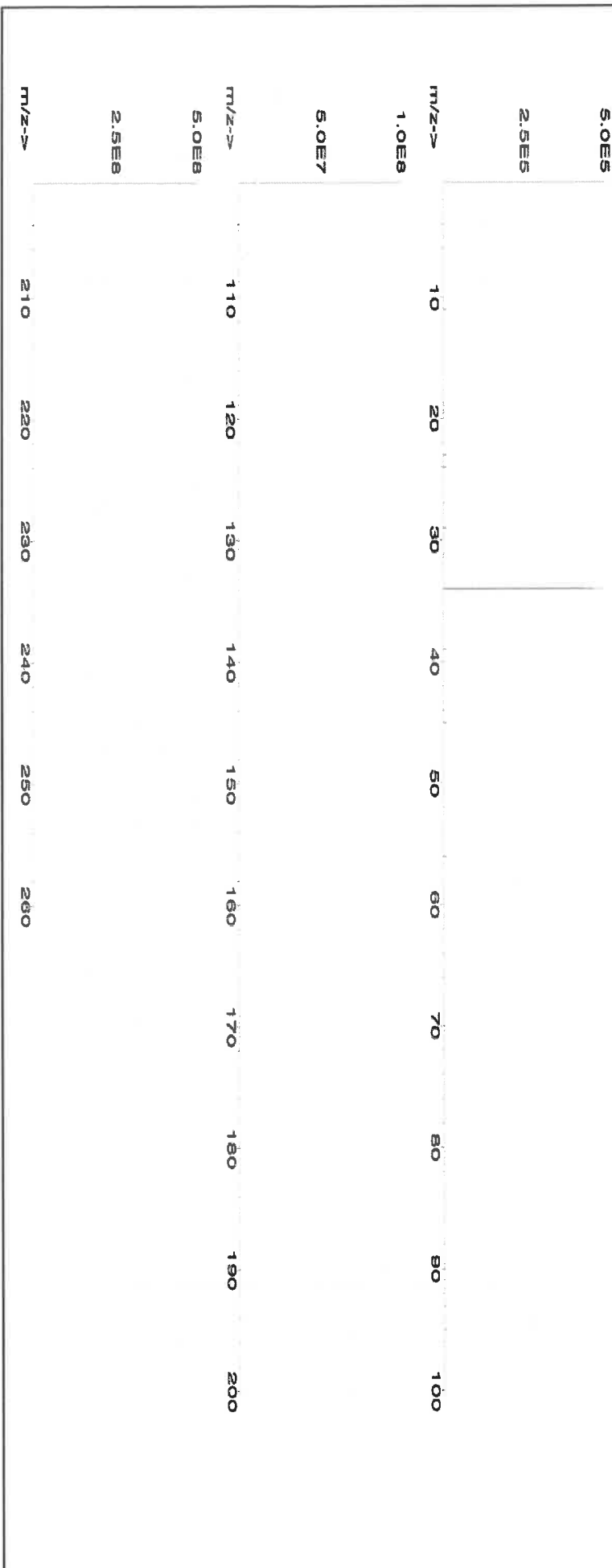
Formulated By:	Benson Chan
122923	
Reviewed By:	Pedro L. Rentas
122923	

Expiration Date: **122926**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test Number: **6UTB**
Weight shown below was diluted to (mL): **4000.0** **5E-05** Balance Uncertainty
0.06 Flask Uncertainty

Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty		NIST SRM
									±	(µg/mL)	

1. Ammonium sulfate (S) IN117 SLBR725V 1000 99.9 0.10 24.3 16.4979 16.4980 1000.0 2.0 7783-20-2 NA or-rel 4250mg/kg 3181

[1] Spectrum No. 1 [33.603 sec]:57016.D# [Count] [Linear]



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Certified Reference Material CRM
M5970 M5971 R1 710124



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT:

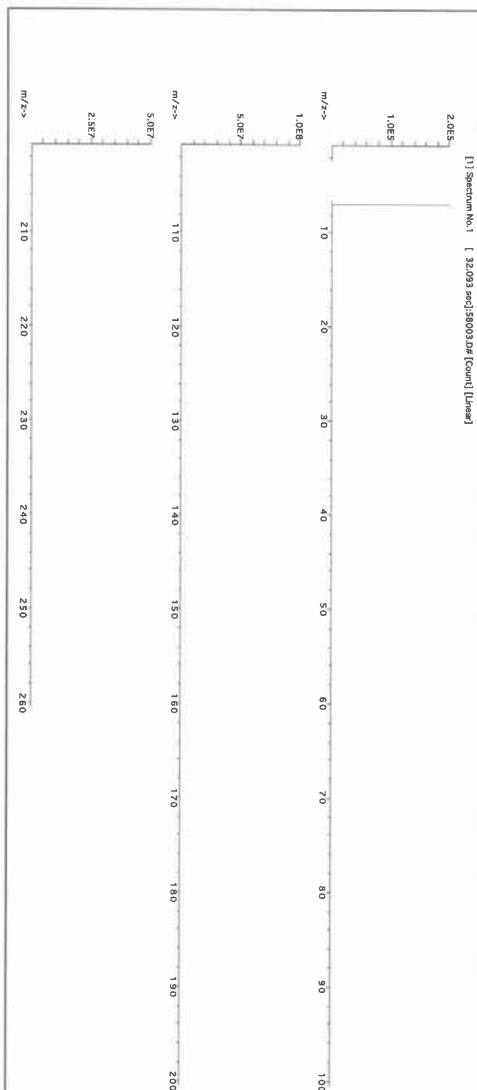
Part Number: 57003
Lot Number: 062124
Description: Lithium (Li)
Expiration Date: 06/21/27
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 250.11

Lot # 24002546
Solvent: Nitric Acid
2.0%
5.0 (mL)
SE-05 Balance Uncertainty
0.016 Flask Uncertainty

Microvite Capable	
Formulated By:	062124
Giovanni Esposito	
Reviewed By: <i>[Signature]</i>	
Pietro L. Parias	

Compound		SDS Information															NEST
		(Solvent Safety Info. On Attachment pg.)															
		Part	Lot	Dilution	Initial	Uncertainty	Nominal	Initial	Final	Expanded	Uncertainty	CAS#	OSHA PEL (TWA)	LD50	SM		
Number	Number	Factor	Vol. (mL)	Pipette (mL)	Conc. (µg/mL)	Conc. (µg/mL)	Conc. (µg/mL)	Conc. (µg/mL)	Conc. (µg/mL)	Conc. (µg/mL)	Conc. (µg/mL)	Conc. (µg/mL)	Conc. (µg/mL)	Conc. (µg/mL)	Conc. (µg/mL)	Conc. (µg/mL)	

1. Lithium nitrate (Li) 58103 070622 0.1000 25.0 0.004 1000 10000.4 1000.0 2.0 7790-68-4 5 mg/m3 or-hal 1428 mg/kg NA



Part # 57003 Lot # 062124

1 of 2

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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 UHPA-filtered Clean Room. An UHPA-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
M 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	<	0.000986			
O B	<	0.008929	M Ge	<	0.002146	M Os	<	0.000269	O Sr	<	0.000986			
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 Co	<	0.000268	M K	<	0.001172	M Rb	<	0.000268	M Tl	<	0.000268			
M Cr	<	0.000752	O Li	<	0.000268	M Re	<	0.000268	M Tm	<	0.000268			
M Cs	<	0.000268	M Lu	<	0.000268	M Rh	<	0.000268	M U	<	0.000268			
O Cu	<	0.010890	O Mg	<	0.005445	I S	<	0.006976	M Y	<	0.002146			
M Dy	<	0.000268	O Mn	<	0.003267	M Sb	<	0.004900	M Yb	<	0.000536			
M Er	<	0.000268	M Mo	<	0.000774	O Sc	<							

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.
INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL
7.0
7.1 Storage and Handling Recommendations

- 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: 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 forming the hydrated oxide in all dilute acids except HF. 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 / 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); K2S2O7 - no KF if silica not present); Organic Matrices (Dry ash at 450EC in P10 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 crystaline 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,
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1	14N17N2, 36Ar12C,
ICP-OES 334.941 nm	0.0038 / 0.00028 µg/mL	1	48Ca, 196X=2
ICP-OES 336.121 nm	0.0053 / 0.00034 µg/mL	1	W, Mo, Co
			Nb, Ta, Cr, U
			Ce, Ar, Ni
			Ru]]
			(where X = Zr, Mo,

HAZARDOUS INFORMATION

HF Note: This standard should not be prepared or stored in glass.

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.

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"

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY
Inorganic Ventures, 300 Technology Drive, Chesapeake, VA 24073, USA; Telephone: 800.868.6786; 540.565.3030; Fax: 540.565.3012; info@inorganicventures.com
- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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 aluminum 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

Certifying Officer:

Thomas Kozlowski
Manager, Quality Control

TD978L

Paul Gaines
Chairman / Senior Technical Director

Paul R. Gaines

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

M5985
R: 6/14/24

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).



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:

$$X_{CRM/RM} = \sum (w_i) (X_i)$$

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:

$$w_i = (1/u_{char\ i}^2) / (\sum (1/u_{char\ i}^2))$$

$$CRM/RM \text{ Expanded Uncertainty } (k) = U_{CRM/RM} = k (u_{char}^2 + u_{bb}^2 + u_{ts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char} = [\sum (w_i)^2 (u_{char\ i})^2]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = 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

$$CRM/RM \text{ Expanded Uncertainty } (k) = U_{CRM/RM} = k (u_{char\ a}^2 + u_{bb}^2 + u_{ts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = 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 PtO 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

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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



Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

R: 2/22/24
MS997

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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).



2.0 PRODUCT DESCRIPTION

Product Code: Multi Analyte Custom Grade Solution
Catalog Number: CLPP-CAL-3
Lot Number: T2-MEB727800
Matrix: 7% (v/v) HNO₃
Value / Analyte(s):
1 000 µg/mL ea:
Arsenic, Lead,
Selenium, Thallium,
500 µg/mL ea:
Cadmium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	1 000 ± 7 µg/mL	Cadmium, Cd	500.0 ± 2.2 µg/mL
Lead, Pb	1 000 ± 4 µg/mL	Selenium, Se	1 000 ± 6 µg/mL
Thallium, Tl	1 000 ± 7 µg/mL		

Density: 1.042 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{\text{char } i}^2) / (\sum (1/u_{\text{char } i}^2))$$

$$\text{CRM/RM Expanded Uncertainty (k)} = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{ts}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char}} = [\sum (w_i)^2 (u_{\text{char } i}^2)]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty (k)} = U_{\text{CRM/RM}} = k (u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{ts}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale. <https://www.inorganicventures.com/terms-and-conditions-sale>. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

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



Certificate of Analysis

R: 08/22/24 M6058, M6059

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).



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, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum(w_i)(X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{\text{char } i}^2) / (\sum(1/u_{\text{char } i}^2))$$

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char}} = [\sum(w_i)^2 (u_{\text{char } i})^2]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{its} = 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).

<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



300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

Certificate of Analysis

M6074
M6075
M6076
M6077

P: 800-669-6799/540-585-3030

F: 540-585-3012

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).



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, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum(w_i)(X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{\text{char } i}^2) / (\sum(1/u_{\text{char } i}^2))$$

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k(u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char}} = [\sum(w_i)^2(u_{\text{char } i}^2)]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a)(u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k(u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale. <https://www.inorganicventures.com/terms-and-conditions-sale>. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 06, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 06, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director





CERTIFIED WEIGHT REPORT:

Part Number: 58025 **Lot #** 24002546
Lot Number: 101124 **Solvent:** Nitric Acid
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
SE-05 Balance Uncertainty 0.10 **Flask Uncertainty** 2%
80.0 (mL) Nitric Acid

<i>Giovanni Esposito</i>	
Formulated By:	Giovanni Esposito
Reviewed By:	<i>Pedro L. Renteria</i>
	101124

SDS Information									
Compound	Lot	Nominal	Purity	Uncertainty	Assay	Target	Actual	Actual	Expanded
RM#	Number	Conc. (µg/mL)	(%)	Purity (%)	(%)	Weight (g)	Weight (g)	Conc. (µg/mL)	Uncertainty
									± (µg/mL)

1. Manganese(II) nitrate hydrate (Mn) IN031 MMN02020A1 1000 99.999 0.10 20.8 19.2322 19.2344 1000.1 2.0 15710-66-4 5 mg/mL 3132

[1] Spectrum No.1 [34.243 sec]:57025.D# [Count] [Linear]

5.0E6									
2.5E6									
m/z->	10	20	30	40	50	60	70	80	90
1.0E6									
5.0E7									
m/z->	110	120	130	140	150	160	170	180	190
1.0E6									
5.0E7									
m/z->	210	220	230	240	250	260			



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 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).

Certificate of Analysis

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M6137
R-71013124

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).



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:

$$X_{CRM/RM} = \sum (w_i) (X_i)$$

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:

$$w_i = (1/u_{char\ i}^2) / (\sum (1/u_{char\ i}^2))$$

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k (u_{char}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char} = [\sum (w_i)^2 (u_{char\ i})^2]^{1/2}$ 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

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k (u_{char\ a}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

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, amorphous (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





CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

58126
011025
Iron (Fe)

R-113125
M6140

Lot #
Solvent: 24012496 Nitric Acid

Expiration Date:

011028

2% 40.0 (mL)

Nitric Acid

Recommended Storage:

Ambient (20 °C)

Nominal Concentration (µg/mL):

10000

NIST Test Number:

6U7B

5E-05 Balance Uncertainty

Weight shown below was diluted to (mL):

2000.07

0.100 Flask Uncertainty

Formulated By:	Benson Chan	011025
Reviewed By:	Pedro L. Renteria	011025

Compound

Lot
Number

Nominal
Conc. (µg/mL)

Purity
(%)

Uncertainty
(%)

Assay
(%)

Target
Weight (g)

Actual
Weight (g)

Actual
Conc. (µg/mL)

Expanded
Uncertainty
± (µg/mL)

CAS#

OSHA PEL (TWA)

LDSO

NIST

SFM

SDS Information
(Solvent Safety Info. On Attached pg.)

1 mg/m³

or-rel 3250mg/kg 3126A

1. Iron(III) nitrate nonahydrate (Fe)

IN028 FED082023A1

10000

99.999

0.10

13.0

153.8534

#####

10000.2

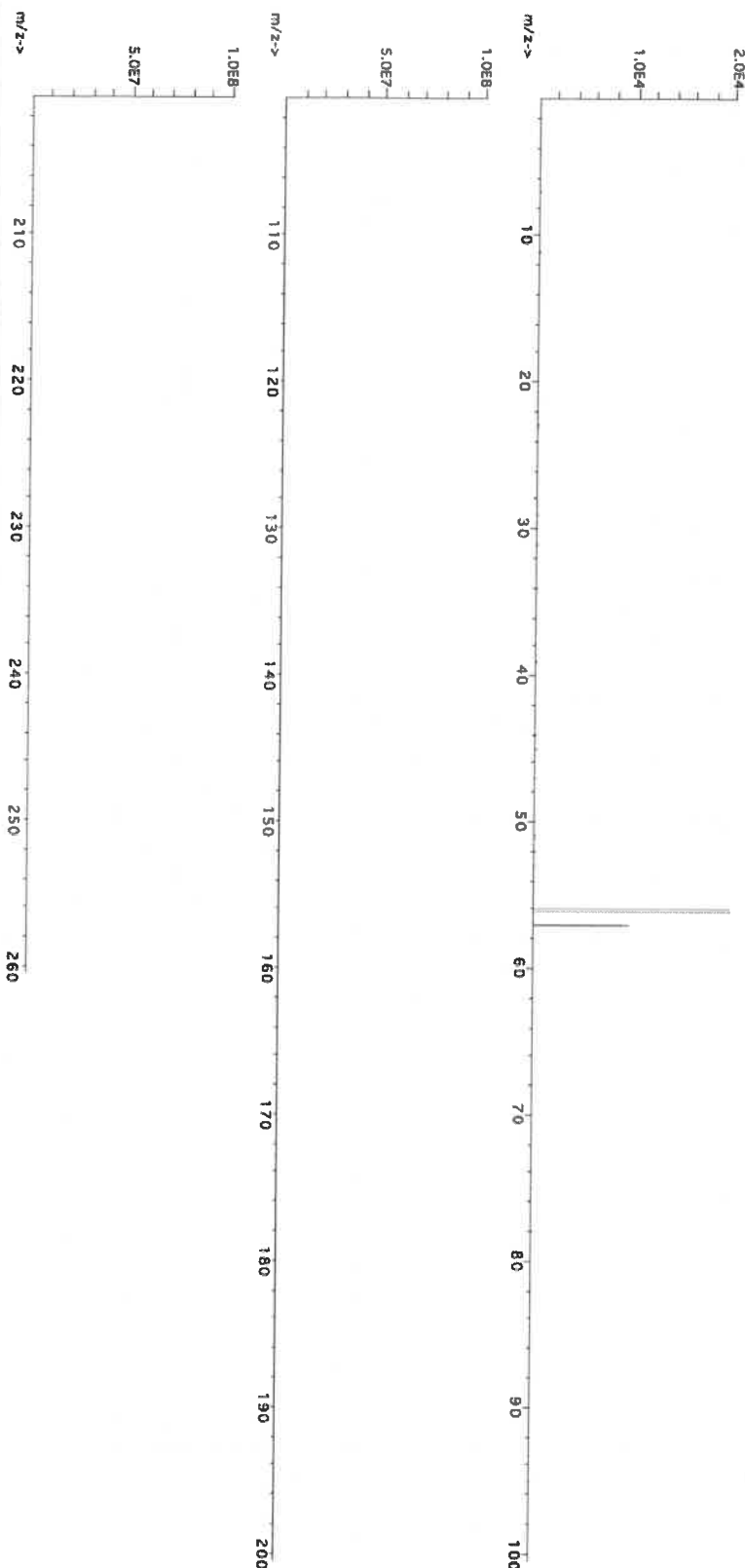
20.0

7782-61-8

1 mg/m³

or-rel 3250mg/kg 3126A

[1] Spectrum No.1 [30.763 sec]58126.D# [Count] [Linear]





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	Pt	<0.02	Se	<0.2
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02
As	<0.2	Ce	<0.02	Bu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<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
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	T	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<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
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02
														Tb	<0.02
														Te	<0.02
														Tl	<0.02
														Th	<0.02
														Tm	<0.02
														Sn	<0.02
														Ti	<0.02
														U	<0.02
														V	<0.02
														Yb	<0.02
														Y	<0.02
														Zn	<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 certified (+/-) 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).



CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

57119
103024
Potassium (K)

R-21113125

Solvent: 24002546 Nitric Acid
Lot #

<i>Giovanni Esposito</i>	
Formulated By:	Giovanni Esposito
Reviewed By:	Pedro L. Renteria
	103024

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):

103027
Ambient (20 °C)
10000

M6141
M6142
M6143

2%
80.0 (mL)
Nitric Acid

Weight shown below was diluted to (mL):

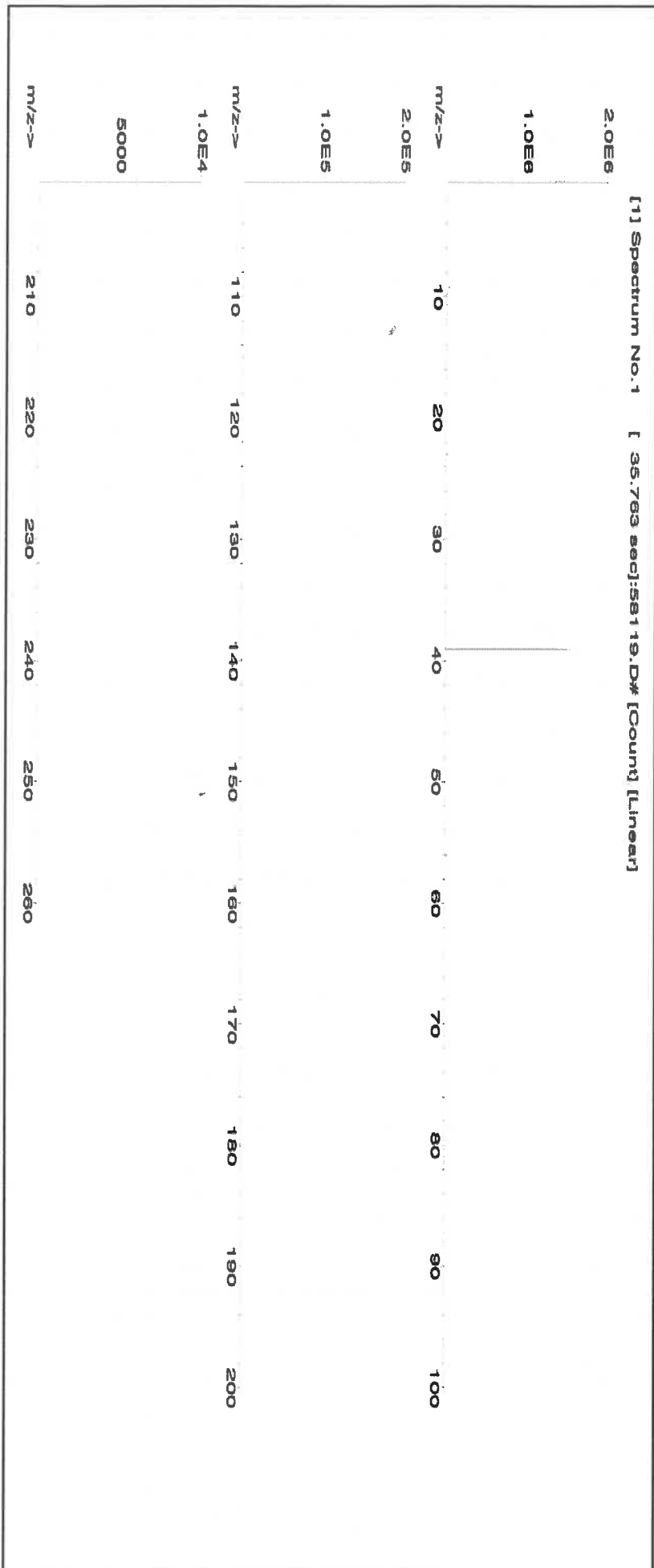
4000.1
0.15
Flask Uncertainty

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)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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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

[1] Spectrum No. 1 [35.763 sec]:58119.D# [Count] [Linear]





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	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 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).



CERTIFIED WEIGHT REPORT:

Part Number: 58111 **Lot #** R-1113/25
Lot Number: 072424 **Solvent:** Nitric Acid
Description: Sodium (Na)

Expiration Date: 072427 **2%** **80.0** **Nitric Acid**
Recommended Storage: Ambient (20 °C) (mL)

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**

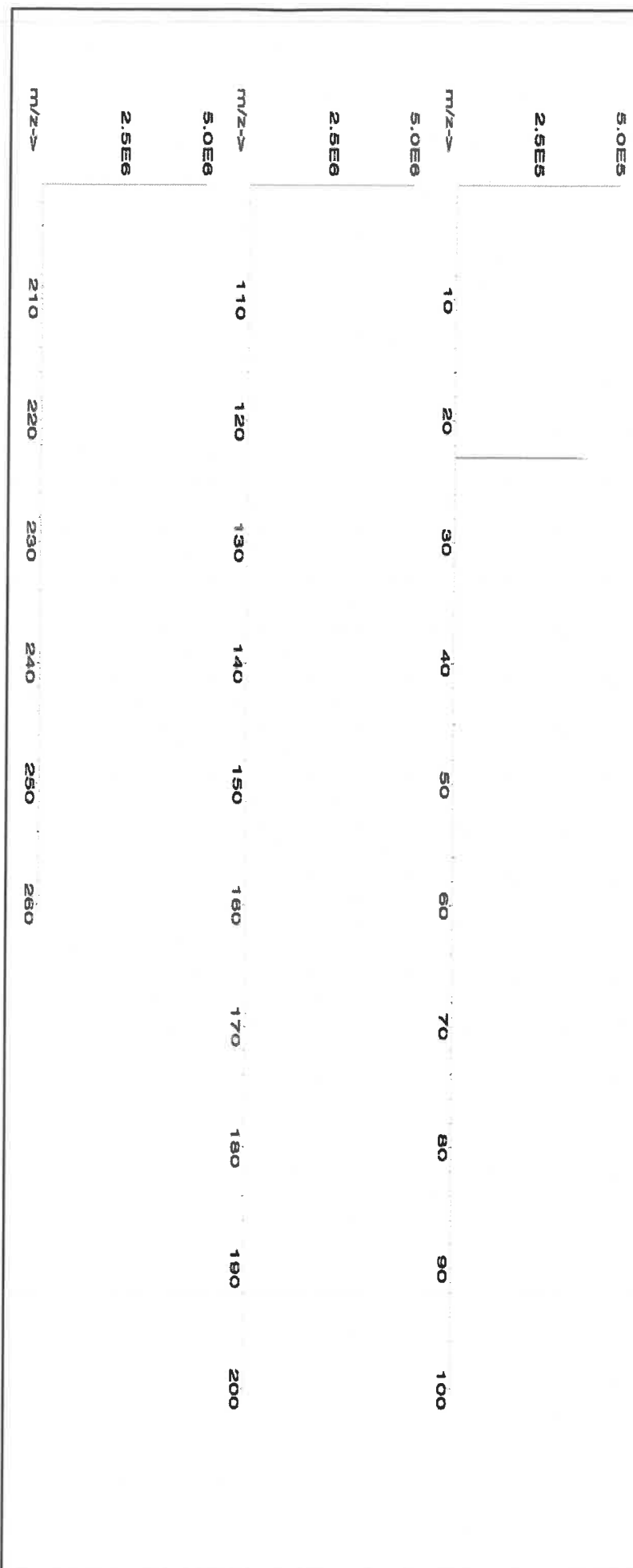
Formulated By:	Benson Chan	072424
Reviewed By:	Pedro L. Renteria	072424

SDS Information

Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Sodium nitrate (Na) IN036 NAV01201511 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

[1] Spectrum No. 1 [8.935 sec]: 58111.D# [Count] [Linear]





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	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 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).



CERTIFIED WEIGHT REPORT:

Part Number: **58030** Lot # **24012496** Nitric Acid
Lot Number: **121724**
Description: **Zinc (Zn)**

Expiration Date: **121727** 2% 40.0 (mL) Nitric Acid

Recommended Storage: **Ambient (20 °C)**

Nominal Concentration (µg/mL): **1000**

NIST Test Number: **6UTB**

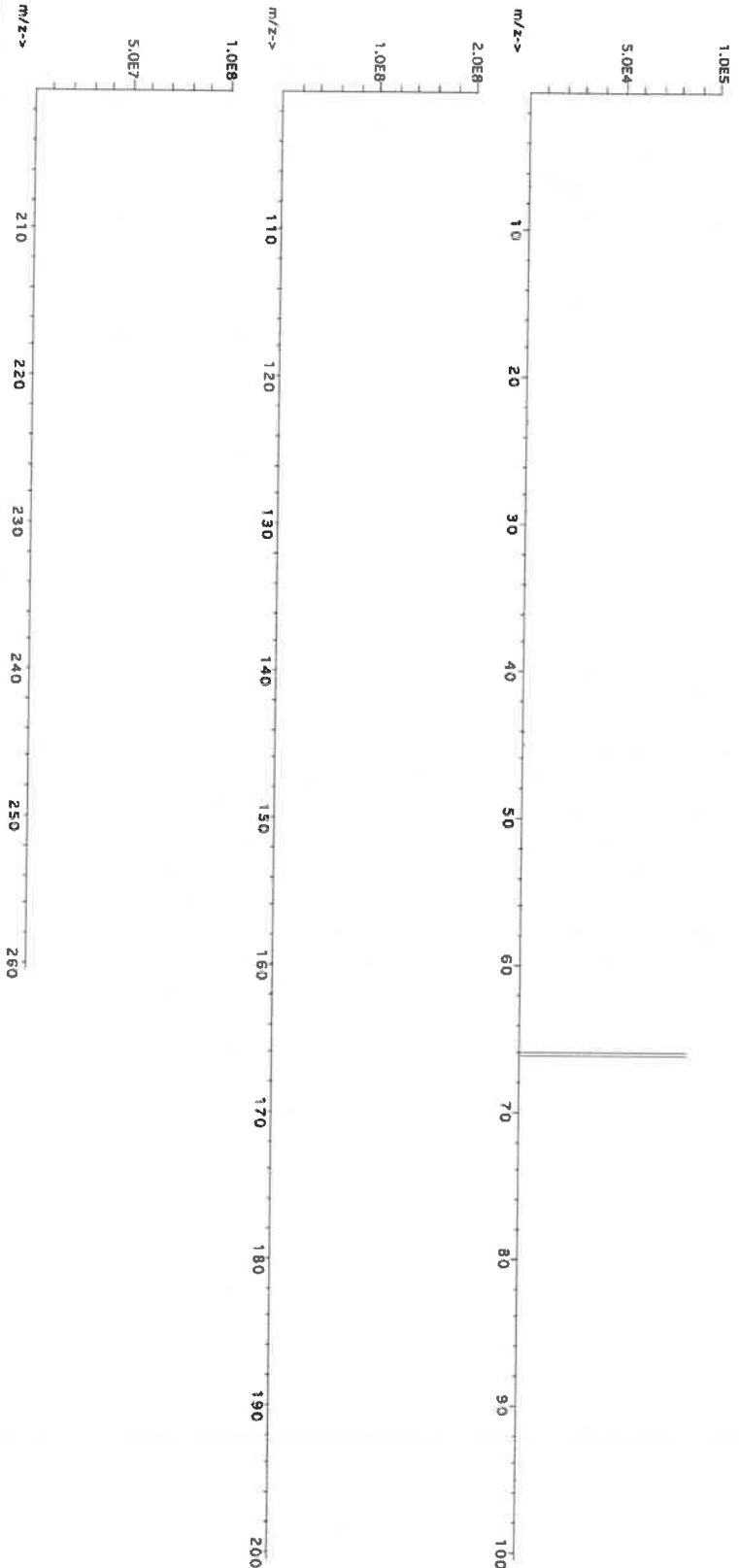
Weight shown below was diluted to (mL): **2000.1** 0.10 Flask Uncertainty

<i>Aleah O'Brady</i>	
Formulated By:	Aleah O'Brady
Reviewed By:	<i>Pedro L. Rentias</i>
	Pedro L. Rentias
	121724

Compound	Lot	Nominal	Purity	Uncertainty	Assay	Target	Actual	Actual	Expanded	SDS Information	NIST
RM#	Number	Conc. (µg/mL)	(%)	Purity (%)	(%)	Weight (g)	Weight (g)	Conc. (µg/mL)	+/- (µg/mL)	(Solvent Safety Info. On Attached pg.)	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 or-rat 1190mg/kg 3168

[1] Spectrum No.1 [31.103 sec;58130.D# [Count] [Lines]





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	Pt	<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	Bu	<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 certified (+/-) 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™



M6151

R → 11/15/25

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

 **avantorsm**



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**™

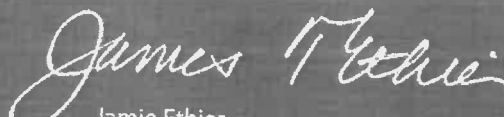


Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
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For Laboratory, Research, or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

Nitric Acid 69%
CMOS

avantor™



R- 0210212025

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™



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

 **avantorsTM**



Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
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For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak
Director Quality Operations, Bioscience Division

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).



2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution		
Catalog Number:	QCP-CICV-1		
Lot Number:	V2-MEB744107		
Matrix:	7% (v/v) HNO ₃		
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 °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
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, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{\text{char } i}^2) / (\sum (1/u_{\text{char } i}^2))$$

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char}} = [\sum (w_i)^2 (u_{\text{char } i}^2)]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = 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), <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

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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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Christiansburg, VA 24073 USA
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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).



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 °C)

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:

$$X_{CRM/RM} = \sum (w_i) (X_i)$$

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:

$$w_i = (1/u_{char i}^2) / (\sum (1/u_{char i}^2))$$

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k (u_{char}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char} = [\sum (w_i)^2 (u_{char i}^2)]^{1/2}$ 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

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k (u_{char a}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

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). <https://www.inorganicventures.com/terms-and-conditions-sale>. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.
- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.
- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.
- For more information, visit www.inorganicventures.com/TCT

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 01, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 01, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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).



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 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Tl	ICP Assay	3158	151215

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{\text{char } i}^2) / (\sum (1/u_{\text{char } i}^2))$$

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char}} = [\sum (w_i)^2 (u_{\text{char } i})^2]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = 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), <https://www.inorganicventures.com/terms-and-conditions-sale>. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

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





Certified Reference Material CRM



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
<https://AbsoluteStandards.com>

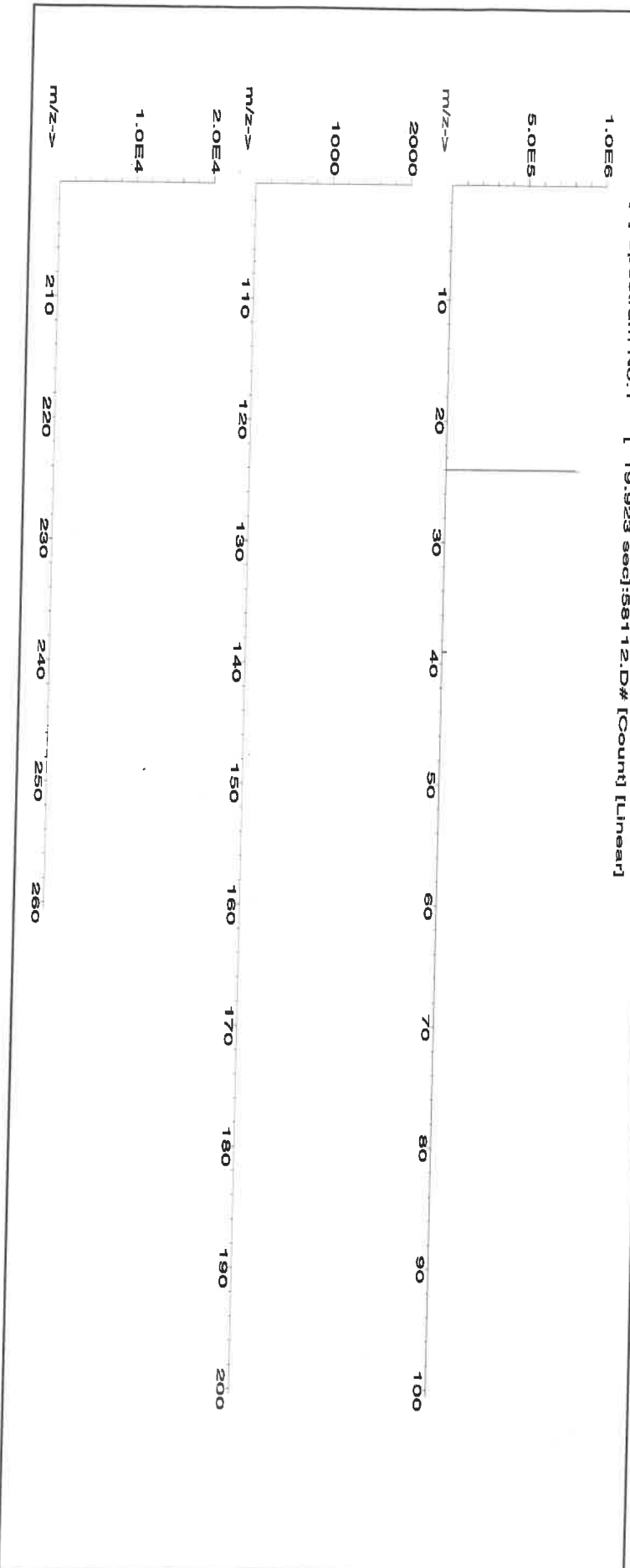
CERTIFIED WEIGHT REPORT:

Part Number: 58112 **Lot #** M 6171
Lot Number: 011525 **Solvent:** 24012496 Nitric Acid
Description: Magnesium (Mg)
Expiration Date: 011528 2% 40.0 Nitric Acid
Recommended Storage: Ambient (20 °C) (mL)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6U7B 5E-05 Balance Uncertainty
Weight shown below was diluted to (mL): 2000.07 0.100 Flask Uncertainty

Formulated By:	Benson Chan	011525
Reviewed By:	Pedro L. Rentas	011525

Compound

1. Magnesium nitrate hexahydrate (Mg) IN030 MGD05023A1 10000 99.999 0.10 8.51 234.9183 234.9195 10000.1 20.0 13446-18-9 NA off-ret 5440 mg/kg 3131a





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS ($\mu\text{g/mL}$)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<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	Bu	<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

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

John P. ...

- * 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 certified (+/-) 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).

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

M6174
R → S1/S124

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).



2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution	
Catalog Number:	CLPP-CAL-1	
Lot Number:	V2-MEB742428	
Matrix:	5% (v/v) HNO ₃	
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	50.03 ± 0.30 µg/mL	Calcium, Ca	5 000 ± 16 µg/mL
Chromium, Cr	200.0 ± 1.1 µg/mL	Cobalt, Co	500.0 ± 2.3 µg/mL
Copper, Cu	250.0 ± 1.1 µg/mL	Iron, Fe	1 000 ± 4 µg/mL
Magnesium, Mg	5 000 ± 22 µg/mL	Manganese, Mn	499.9 ± 2.2 µg/mL
Nickel, Ni	500.1 ± 2.3 µg/mL	Potassium, K	5 000 ± 22 µg/mL
Silver, Ag	250.0 ± 1.1 µg/mL	Sodium, Na	5 000 ± 22 µg/mL
Vanadium, V	500.0 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.117 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{\text{char } i}^2) / (\sum (1/u_{\text{char } i}^2))$$

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char}} = [\sum (w_i)^2 (u_{\text{char } i}^2)]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = 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). <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; info@inorganicventures.com;
www.inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 22, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **March 22, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor



Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director





CERTIFIED WEIGHT REPORT:

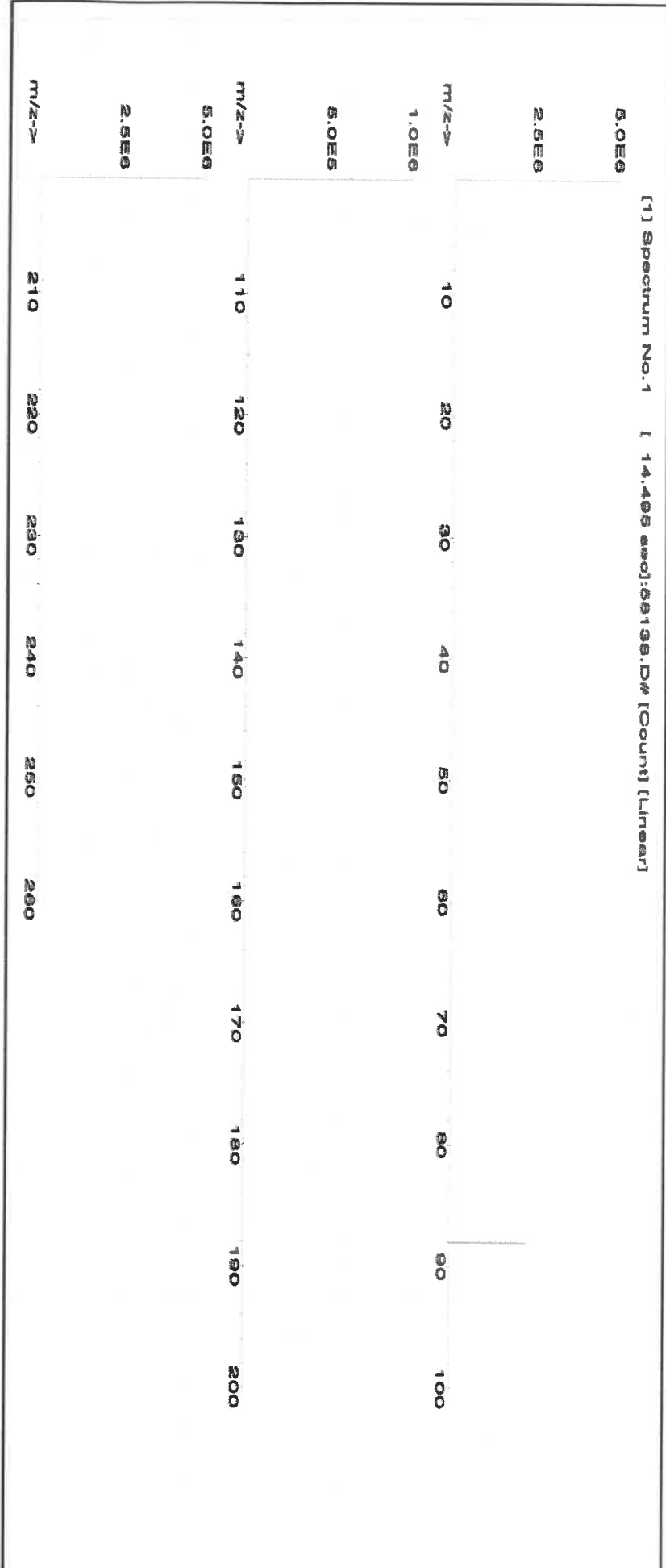
Part Number: 57038 **Lot #** 24002546 **Solvent:** Nitric Acid
Lot Number: 092724
Description: Strontium (Sr)
Expiration Date: 092727 **2%** **40.0** **Nitric Acid**
Recommended Storage: Ambient (20 °C) **(mL)**
Nominal Concentration (µg/mL): 1000
NIST Test Number: 8UTB **5E-05** **Balance Uncertainty**
Weight shown below was diluted to (mL): 2000.07 **0.100** **Flask Uncertainty**

Formulated By: Benson Chan 092724
Reviewed By: Pedro L. Rentas 092724

SDS Information

Compound	Lot	Nominal	Purity	Uncertainty	Assay	Target	Actual	Actual	Uncertainty	(Solvent Safety Info. On Attached pg.)	NIST
	RM#	Number	Conc. (µg/mL)	(%)	Purity (%)	Weight (g)	Weight (g)	Conc. (µg/mL)	+/- (µg/mL)		

1. Strontium nitrate (Sr) IN017 SR2022018A1 1000 99.997 0.10 41.2 4.85470 4.85481 1000.0 2.0 10042-76-9 NA or-rel >2000mg/kg 3153a





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	Pt	<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	Bu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

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 certified (+/-) 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).



Certified Reference Material CRM



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

57042
080525
Molybdenum (Mo)

Solvent:

Ammonium hydroxide
ASTM Type 1 Water

Expiration Date:

080528

Recommended Storage:
Ambient (15 - 30 °C)

Nominal Concentration (µg/mL):

1000

NIST Test Number:

6UTB

Volume shown below was diluted to (mL):

1999.41

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

R → 8/6/25
M6177

0.5%

10.0 (mL)

Ammonium hydroxide

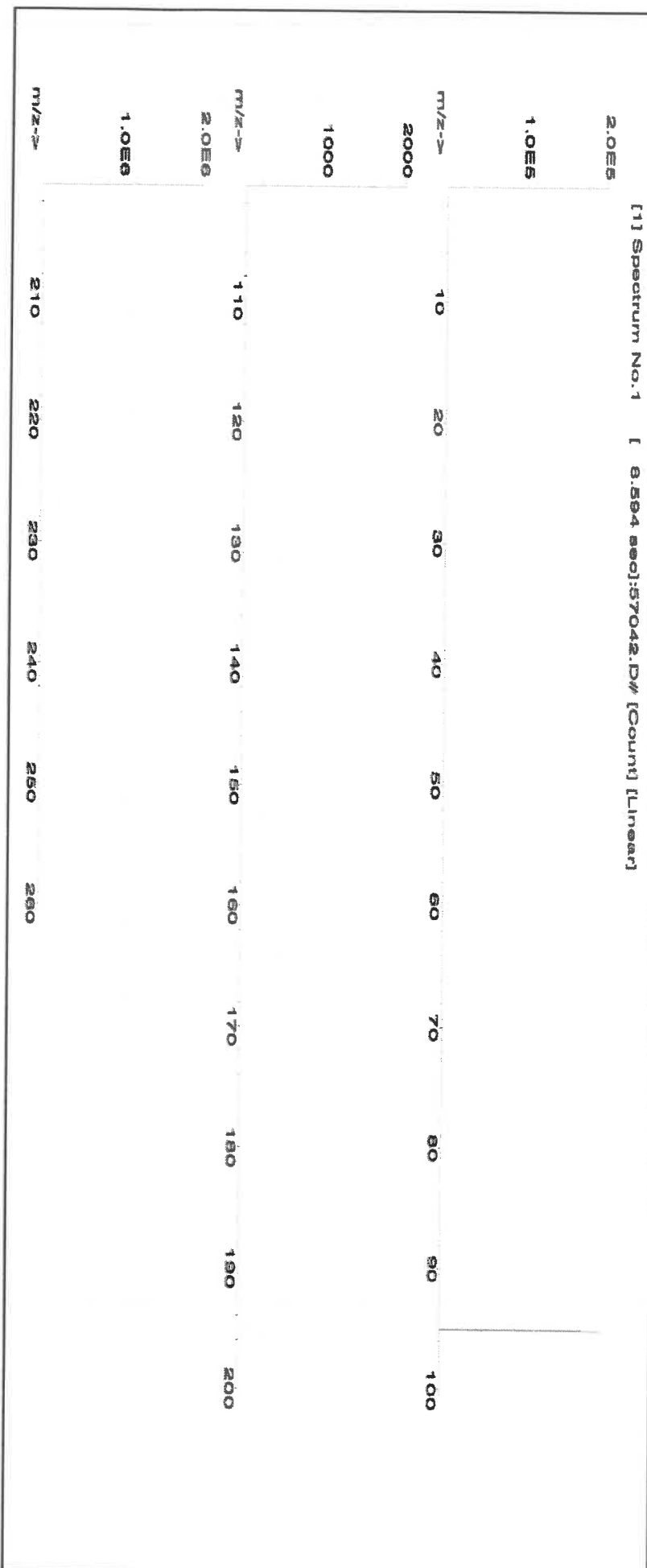
Formulated By:	Benson Chan	080525
Reviewed By:	Pedro L. Renteria	080525

SDS Information

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)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Ammonium molybdate (Mo) 58142 112322 0.1000 200.0 0.084 1000 10001.4 1000.5 2.2 13106-76-8 5 mg(Mo)/mL 0.1-0.3 333 mg/kg 3134

[1] Spectrum No. 1 [8.594 sec]:57042.D# [Count] [Linear]





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
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<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
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	T	Pt	<0.02	Sm	<0.02	S	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Te	<0.02
														Tb	<0.02
														Ti	<0.02
														Th	<0.02
														Tm	<0.02
														Sn	<0.02
														Tl	<0.02
														U	<0.02
														V	<0.02
														Yb	<0.02
														Y	<0.02
														Zn	<0.02
														Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware, and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated by an ISO17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).
- Rev 1.0, 2/25/2025



Certified Reference Material CRM



ANAB ISO 17034 Accredited
AFR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

57082
031525
Lead (Pb)

Lot #

Nitric Acid

Expiration Date:

031528

Recommended Storage:

Ambient (20 °C)

Nominal Concentration (µg/mL):

1000

NIST Test Number:

6UTB

Weight shown below was diluted to (mL):

2000.07

0.10 Flask Uncertainty

2%

40.0 (mL)

Nitric Acid

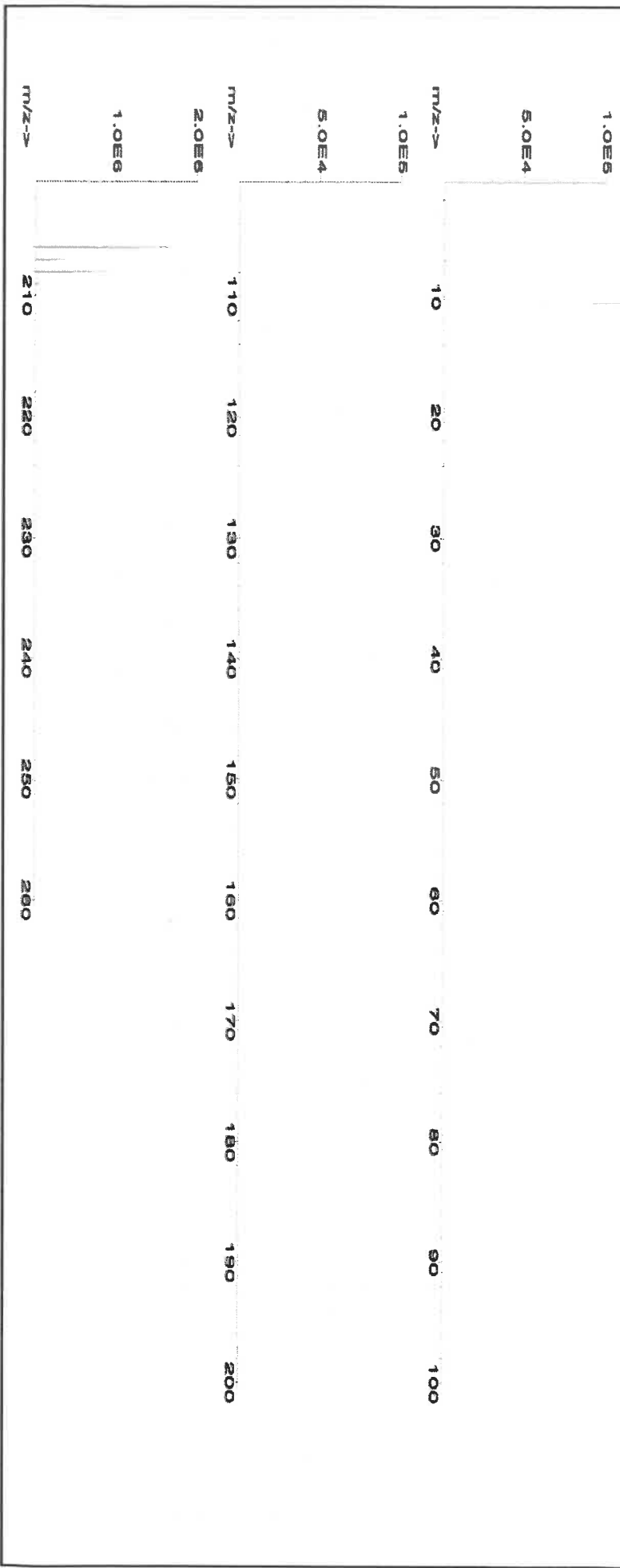
<i>Giovanni Esposito</i>	
Formulated By:	Giovanni Esposito
Reviewed By:	<i>Pedro L. Renteria</i>
	Pedro L. Renteria
	031525

SDS Information

Compound	Lot	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Lead(II) nitrate (Pb) IN029 PBD122016A1 1000 99.999 0.10 62.5 3.20015 3.20067 1000.2 2.0 10099-74-8 0.05 mg/m3 Intra-rat 93 mg/kg 3128

[1] Spectrum No. 1 [14.144 sec]:58082.D# [Count] [Linear]





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	Pt	<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	Tc	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Bu	<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	Se	<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.
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- * Standards are certified (+/-) 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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F: 540-585-3012
info@inorganicventures.com

M6179
R → 612/24

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).



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:

$$X_{CRM/RM} = \sum (w_i) (X_i)$$

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:

$$w_i = (1/u_{char i}^2) / (\sum (1/u_{char i}^2))$$

$$CRM/RM \text{ Expanded Uncertainty } (z) = U_{CRM/RM} = k (u_{char}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char} = [\sum (w_i)^2 (u_{char i}^2)]^{1/2}$ 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

$$CRM/RM \text{ Expanded Uncertainty } (z) = U_{CRM/RM} = k (u_{char a}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.004600	M	Eu	0.009037	M	Na	0.086360	M	Se	<	0.005200	M	Zn	0.030125	
M	Al		0.014862	O	Fe	0.002410	M	Nb	<	0.000570	O	Si	0.024100	O	Zr	<	0.002600
M	As	<	0.003500	M	Ga	<	0.000570	M	Nd	0.000923	M	Sm	0.000461				
M	Au	<	0.001700	M	Gd	<	0.003500	M	Ni	<	0.005700	M	Sn	<	0.002300		
O	B		0.002209	M	Ge	<	0.005200	M	Os	<	0.001200	M	Sr	<	0.004600		
O	Ba	<	0.002500	M	Hf	<	0.000570	n	P	<		M	Ta	<	0.000570		
O	Be	<	0.001400	M	Hg	<	0.000570	M	Pb	0.005020	M	Tb	0.001044				
M	Bi	<	0.003500	M	Ho	0.009037	M	Pd	<	0.005100	M	Te	<	0.002300			
O	Ca		0.009841	M	In	<	0.002300	M	Pr	<	0.002300	M	Th	<	0.000570		
M	Cd	<	0.000570	M	Ir	<	0.000570	M	Pt	<	0.000570	M	Ti	<	0.003500		
M	Ce	<	0.002300	O	K	0.018677	M	Rb	<	0.000570	M	Tl	<	0.000570			
M	Co	<	0.000570	M	La	0.000461	M	Re	<	0.000570	M	Tm	<	0.003500			
M	Cr	<	0.004000	O	Li	<	0.009300	M	Rh	<	0.008000	M	U	<	0.000570		
M	Cs	<	0.000570	M	Lu	0.000582	M	Ru	<	0.000570	M	V	0.001265				
M	Cu		0.002610	O	Mg	0.001486	n	S	<		M	W	<	0.002300			
M	Dy		0.003815	M	Mn	0.000582	M	Sb	0.005422	s	Y	<					
M	Er		0.003615	M	Mo	<	0.005700	M	Sc	<	0.001200	M	Yb	0.001827			

M - Checked by ICP-MS

O - Checked by ICP-OES

i - Spectral Interference

n - Not Checked For

s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures [Terms and Conditions of Sale](https://www.inorganicventures.com/terms-and-conditions-sale). <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 PtO 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





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.



M6182

(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,





Instructions for QATS Reference Material: ICP-AES ICS

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 HNO₃. 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 HNO₃. 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.



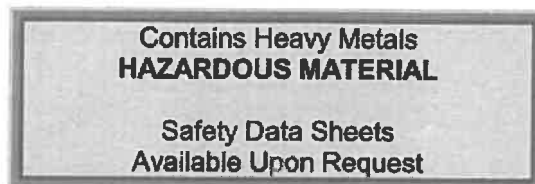
Instructions for QATS Reference Material: ICP-AES ICS

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.



M6184

(A) **SAMPLE DESCRIPTION**

Enclosed is a set of one (1) or more bottles of Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-1211" and for the ICSAB mixture use "ICSA-1211+ICSB-0710".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) **BREAKAGE OR MISSING ITEMS**

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) **ANALYSIS OF SAMPLES**

The interference check sample set is to be used to verify inter-element and background correction factors of inductively-coupled plasma (ICP) spectrometers. This reference material set consists of two (2) concentrated solutions. The ICSA solution contains the four (4) interferent elements: Al, Ca, Fe, and Mg. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be,





Instructions for QATS Reference Material: ICP-AES ICS

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 HNO₃. 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 HNO₃. 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.

Nitric Acid 69%
CMOS

avantor™



M6187

R.D :- 08/08/25

Material No.: 9606-03
Batch No.: 24H0162012
Manufactured Date: 2024-06-28
Retest Date: 2029-06-27
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO ₃)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	0.03 ppm
Phosphate (PO ₄)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO ₄)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	0.1 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	0.1 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 1 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 1 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS



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 >>>



Result

groak

Jamie Croak
Director Quality Operations, Bioscience Production

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



M6200
R.O → 08/25/25

Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.6 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.192
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl ₂)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	0.03 ppm
Sulfate (SO ₄)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO ₃)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH ₄)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	< 0.2 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	3 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.2 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	0.2 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 1.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.0 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	< 0.9 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.4 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	< 0.1 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result
------	---------------	--------

For Laboratory, Research, or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

300 Technology Drive
Christiansburg, VA 24073 USA
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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).



2.0 PRODUCT DESCRIPTION

Product Code: Multi Analyte Custom Grade Solution

Catalog Number: WW-LFS-2

Lot Number: V2-MEB743480

Matrix: 5% (v/v) HNO₃
tr. HF

Value / Analyte(s): 200 µg/mL ea:
Silica,

80 µg/mL ea:
Antimony,

70 µg/mL ea:
Tin,

40 µg/mL ea:
Molybdenum,

20 µg/mL ea:
Titanium

R-7/20/28

M6201

M6202

M6203

M6204

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	80.1 ± 0.5 µg/mL	Molybdenum, Mo	40.05 ± 0.22 µg/mL
Silica, SiO ₂	200.3 ± 1.4 µg/mL	Tin, Sn	70.1 ± 0.4 µg/mL
Titanium, Ti	20.03 ± 0.12 µg/mL		

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Sb	ICP Assay	3102a	140911
SiO ₂	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	traceable to 3162a	T2-TI725816

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{\text{char } i}^2) / (\sum (1/u_{\text{char } i}^2))$$

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char}} = [\sum (w_i)^2 (u_{\text{char } i}^2)]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, <https://www.inorganicventures.com/terms-and-conditions-sale>. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

May 07, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- May 07, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor



Certificate Approved By:

Thomas Kozikowski
Stock VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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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).



2.0 PRODUCT DESCRIPTION

Product Code: Multi Analyte Custom Grade Solution
Catalog Number: WW-LFS-1
Lot Number: W2-MEB752149
Matrix: 5% (v/v) HNO₃

R → 7/20/28

M6209
M6210
M6211
M6212

Value / Analyte(s):	
1 000 µg/mL ea:	
Potassium,	
600 µg/mL ea:	
Phosphorus,	
300 µg/mL ea:	
Sodium,	Iron,
200 µg/mL ea:	
Magnesium,	Aluminum,
Cerium,	Selenium,
Thallium,	
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,	Boron,
Vanadium,	
20 µg/mL ea:	
Zinc,	Strontium,
Barium,	Beryllium,
Cadmium,	Cobalt,
Manganese,	Lithium,
7.5 µg/mL ea:	
Silver	

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	200.2 ± 0.7 µg/mL	Arsenic, As	80.1 ± 0.5 µg/mL
Barium, Ba	20.02 ± 0.12 µg/mL	Beryllium, Be	20.02 ± 0.11 µg/mL
Boron, B	30.02 ± 0.15 µg/mL	Cadmium, Cd	20.04 ± 0.09 µg/mL
Calcium, Ca	100.1 ± 0.3 µg/mL	Cerium, Ce	200.2 ± 1.0 µg/mL
Chromium, Cr	40.02 ± 0.26 µg/mL	Cobalt, Co	20.03 ± 0.09 µg/mL
Copper, Cu	30.03 ± 0.13 µg/mL	Iron, Fe	300.3 ± 1.3 µg/mL
Lead, Pb	100.1 ± 0.5 µg/mL	Lithium, Li	20.03 ± 0.09 µg/mL
Magnesium, Mg	200.2 ± 0.9 µg/mL	Manganese, Mn	19.99 ± 0.09 µg/mL
Mercury, Hg	70.0 ± 0.3 µg/mL	Nickel, Ni	50.05 ± 0.22 µg/mL
Phosphorus, P	600.5 ± 2.9 µg/mL	Potassium, K	1 001 ± 4 µg/mL
Selenium, Se	200.2 ± 1.1 µg/mL	Silver, Ag	7.52 ± 0.03 µg/mL
Sodium, Na	300.3 ± 1.3 µg/mL	Strontium, Sr	20.02 ± 0.10 µg/mL
Thallium, Tl	200.2 ± 1.0 µg/mL	Vanadium, V	30.02 ± 0.13 µg/mL
Zinc, Zn	20.05 ± 0.09 µg/mL		

Density: 1.037 g/mL (measured at 20 ± 5 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
B	ICP Assay	3107	190605
B	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Ce	ICP Assay	3110	160830
Ce	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Hg	ICP Assay	3133	160921
Hg	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	14Q110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Tl	ICP Assay	3158	151215
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{\text{char } i})^2 / (\sum (1/u_{\text{char } i})^2)$$

$$\text{CRM/RM Expanded Uncertainty (k)} = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{ts}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char}} = [\sum (w_i)^2 (u_{\text{char } i})^2]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty (k)} = U_{\text{CRM/RM}} = k (u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{ts}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = 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). <https://www.inorganicventures.com/terms-and-conditions-sale>. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.
- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.
- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 25° C to minimize the effects of transpiration. Use at 20° ± 5° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information (<https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver>)

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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

April 08, 2025

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- April 08, 2029

- The date after which this CRM/RM should not be used.
- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor



Certificate Approved By:

Jodie Wall
Stock VSM Coordinator



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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Certified Reference Material CRM

M6027



CERTIFIED WEIGHT REPORT:

Part Number: **57028**
Lot Number: **062024**
Description: **Nickel (NI)**

Lot # **24002546**
Solvent: **Nitric Acid**

Expiration Date:

062027

Recommended Storage: **Ambient (20 °C)**

Nominal Concentration (µg/mL): **1000**

NIST Test Number: **6UTB**

Volume shown below was diluted to (mL): **2000.07**

5E-05 Balance Uncertainty
0.100 Flask Uncertainty

2.0%

40.0 (mL)

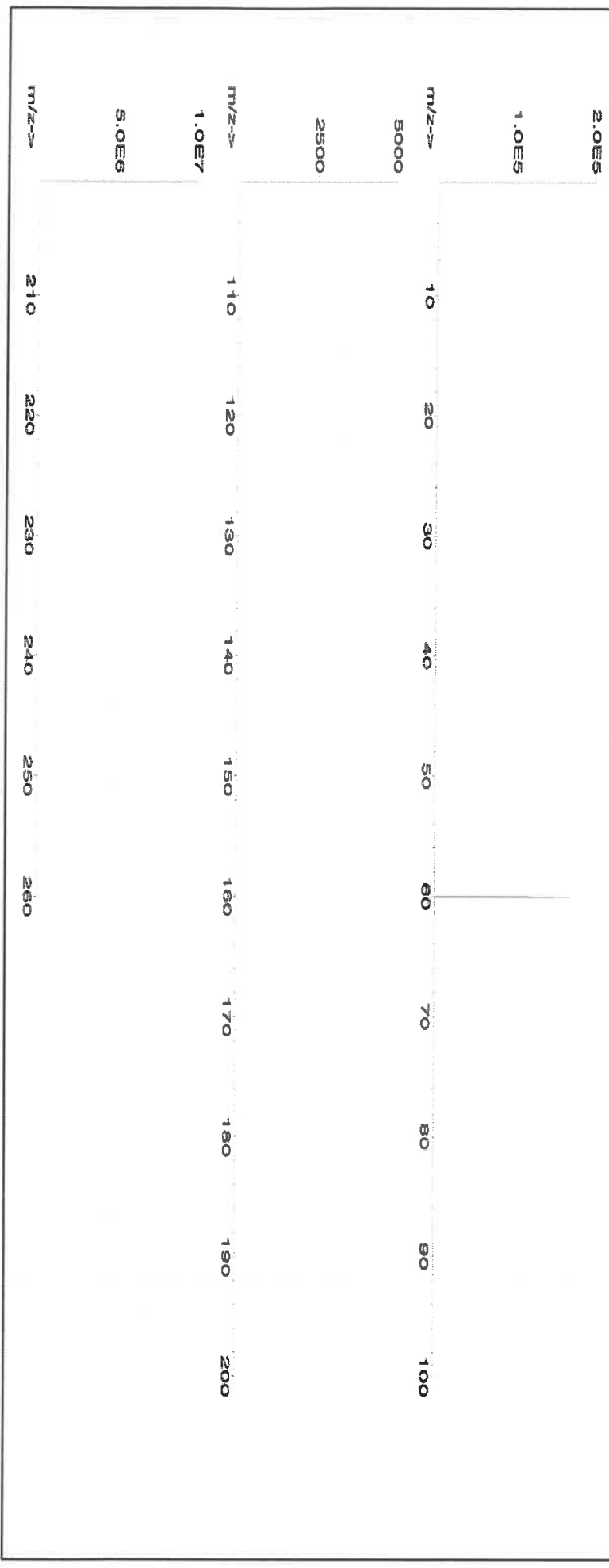
Nitric Acid

Formulated By:	Benson Chan	062024
Reviewed By:	Pedro L. Rentes	062024

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pippet (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	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

[T1 Spectrum No.1 [9.136 sec]:58028.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

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 certified (+/-) 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).



Certified Reference Material CRM

M6030



CERTIFIED WEIGHT REPORT:

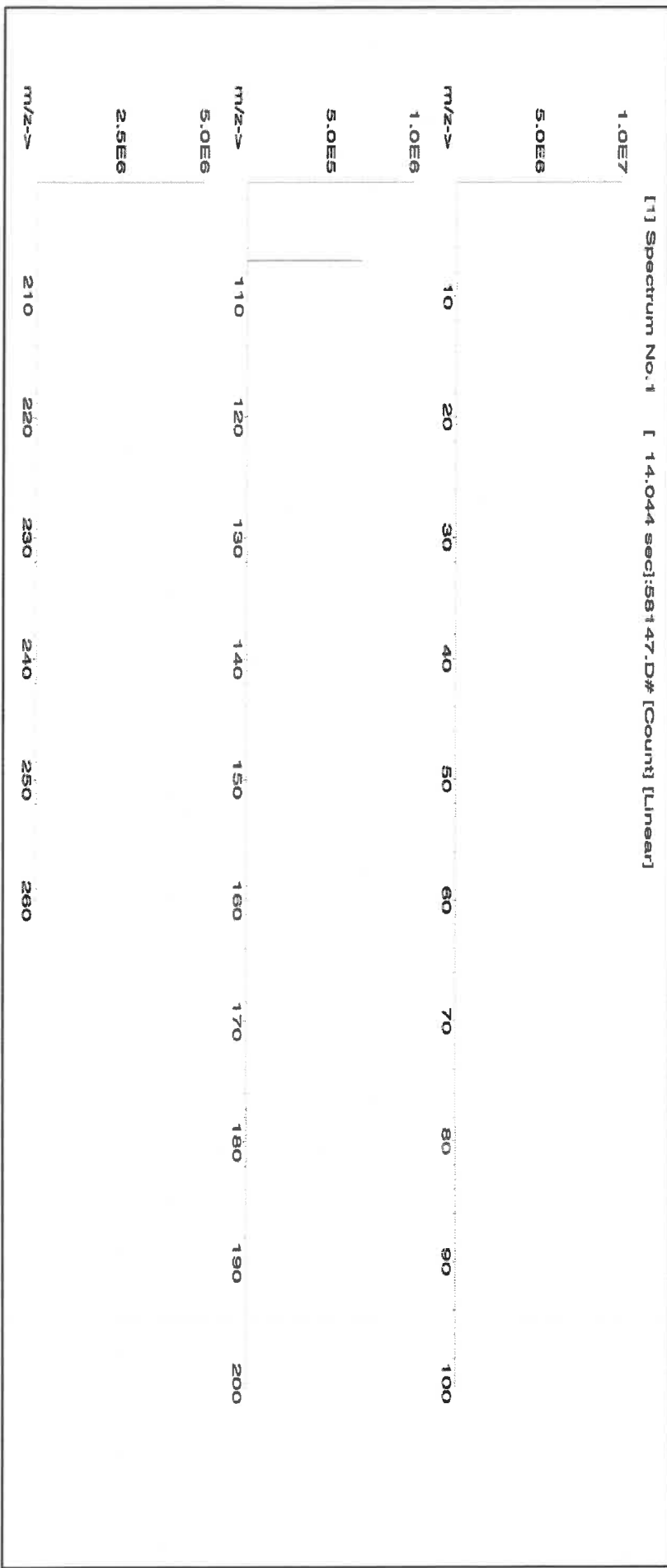
Part Number: **57047**
Lot Number: **122823**
Description: **Silver (Ag)**

Lot #
Solvent: 24002546 Nitric Acid

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
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Benson Chan
122823	
Reviewed By:	Pedro L. Rentas
122823	

SDS Information									
Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)
1. Silver nitrate (Ag)	IN035	J0612AGA1	1000.0	99.9996	0.10	63.7	6.27992	6.27998	1000.0
							2.0	7761-88-8	10 µg/mL
									NA
									3151





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	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	T	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 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).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT:

Part Number: 57051
Lot Number: 071724
Description: Antimony (Sb)

126160

Lot # 24002546
Solvent: Nitric Acid

Expiration Date: 071727
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

Formulated By: Giovanni Esposito
Reviewed By: Pedro L. Rentas

071724

Volume shown below was diluted to (mL): 2000.26
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

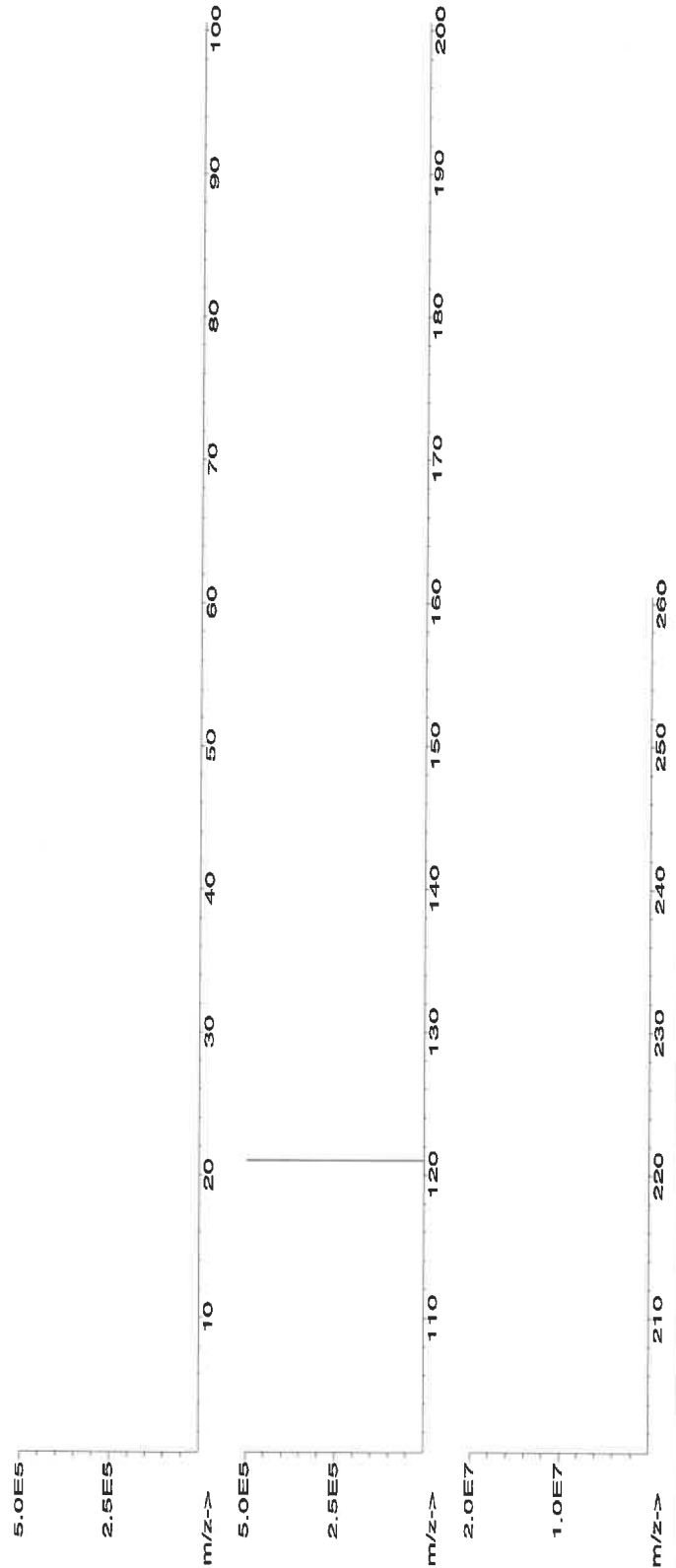
SDS Information

Expanded
Uncertainty (Solvent Safety Info. On Attached pg.)
+/- (µg/mL) CAS# OSHA PEL (TWA) LD50
2.2 7440-36-0 0.5 mg/m3 or-rat 7000 mg/kg 3102a

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)	NIST SRM
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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 or-rat 7000 mg/kg 3102a

[1] Spectrum No.1 [17.964 sec]:58051.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS ($\mu\text{g/mL}$)

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	La	<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	<0.02	Os	<0.01	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	<0.2	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:

Ben P.

- * 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 certified (+/-) 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).



Certified Reference Material CRM

M6023



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 57081
Lot Number: 062724
Description: Thallium (TI)

Solvent: 24002546 Nitric Acid
Lot #

Expiration Date:

062727

2% 40.0 (mL) Nitric Acid

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

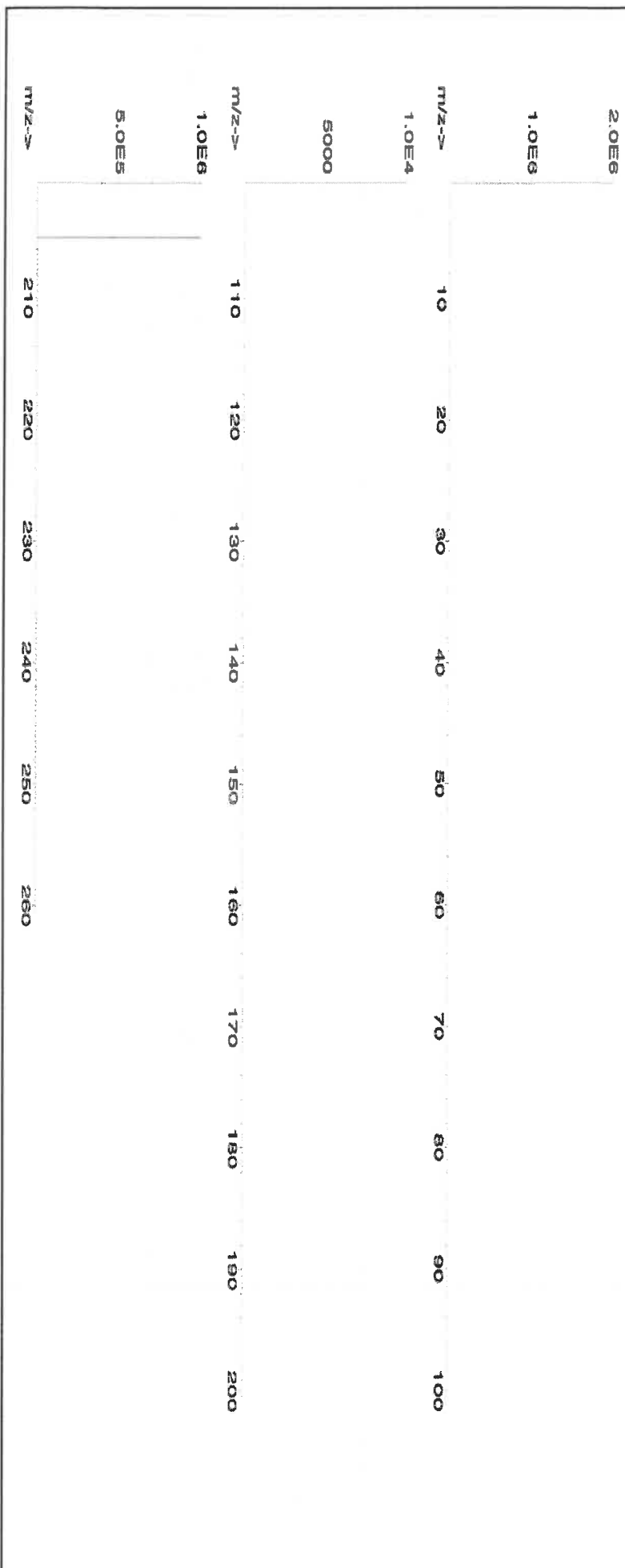
<i>Aleah O'Brady</i>	
Formulated By:	Aleah O'Brady
	062724
Reviewed By:	<i>Pedro L. Renteria</i>
	Pedro L. Renteria
	062724

SDS Information

Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Thallium nitrate (TI) IN037 BCCF4399 1000 99.999 0.10 77.0 2.5975 2.5977 1000.1 2.0 10102-45-1 0.1 mg/m3 or-mus 15mg/kg 3158

[1] Spectrum No.1 [14.044 sec]:57081.D# [Count] [Linear]





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	Pt	<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	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	Tm	<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	Sn	<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	Ti	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Se	<0.02	Ta	<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 certified (+/-) 0.5% of the stated value, unless otherwise stated.
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- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



Certified Reference Material CRM

M6021



CERTIFIED WEIGHT REPORT:

Part Number: **57023**
Lot Number: **062424**
Description: **Vanadium (V)**

Lot # **24002546**
Solvent: **Nitric Acid**

<i>Aleah O'Brady</i>	
Formulated By:	Aleah O'Brady
Reviewed By:	Pedro L. Rantas

062424

062424

062424

062424

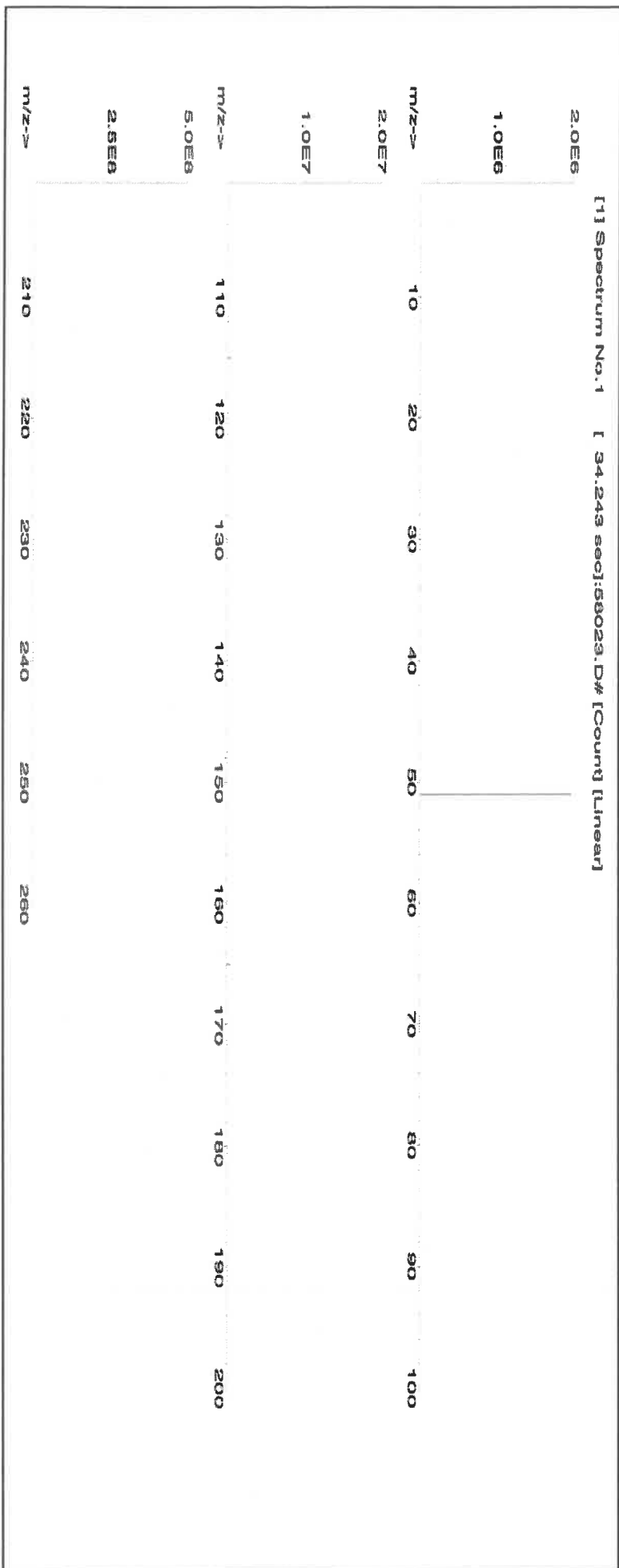
062424

Expiration Date: **062427**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test Number: **6UTB**

Volume shown below was diluted to (mL): **2000.3**
5E-05 Balance Uncertainty
0.06 Flask Uncertainty

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)	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	3165

[1] Spectrum No.1 [34.243 sec]:58023.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS ($\mu\text{g/mL}$)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<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	Ru	<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	Sr	<0.02	S	<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	Ta	<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			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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- * 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

- 1
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CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Environmental
ADDRESS: 8 CARRAGE
CITY Succasunna STATE: ST ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: BANK
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Environmental PO#:
ADDRESS: 8 CARRAGE
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☒ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
EDD FORMAT Hardcopy, Excel

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	MW25	GW		X	10/16/25	0925	2		X		X						
2.	MW20	GW				1039			X		X						
3.	Supply	DW				1100			X		X						
4.	17 Harvey	DW				1110			X		X						
5.	19 Harvey	DW		X	10/16/25	1119	2		X		X						
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>10/16/25</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.1</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	Comments: <u>IL Gu #1</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 3. <u>[Signature]</u>	Page ____ of ____ CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

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Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312