

Cover Page

Order ID : Q2804

Project ID : Rotor Clip NJ WTD - 2025

Client : VERINA CONSULTING GROUP, LLC

Lab Sample Number

Q2804-01

Client Sample Number

WATER-TREATMENT DISCHARGE

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: 8/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2804

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 08/14/2025



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LAB CHRONICLE

OrderID:	Q2804	OrderDate:	8/7/2025 2:46:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	J22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2804-01	WATER-TREATMENT DISCHARGE	Water	Metals Group4	6010D	08/07/25	08/08/25	08/11/25	08/07/25



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Hit Summary Sheet
SW-846

SDG No.: Q2804

Order ID: Q2804

Client: VERINA CONSULTING GROUP, LLC

Project ID: Rotor Clip NJ WTD - 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WATER-TREATMENT DISCHARGE								
Q2804-01	WATER-TREATMENT DISCHA	Water	Chromium	69.0		1.06	5.00	ug/L
Q2804-01	WATER-TREATMENT DISCHA	Water	Copper	9.87	J	2.30	10.0	ug/L
Q2804-01	WATER-TREATMENT DISCHA	Water	Nickel	20.6		1.53	20.0	ug/L
Q2804-01	WATER-TREATMENT DISCHA	Water	Zinc	176		8.33	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	08/07/25
Project:	Rotor Clip NJ WTD - 2025	Date Received:	08/07/25
Client Sample ID:	WATER-TREATMENT DISCHARGE	SDG No.:	Q2804
Lab Sample ID:	Q2804-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-47-3	Chromium	69.0		1	1.06	5.00	ug/L	08/08/25 11:10	08/11/25 18:01	6010D	SW3010
7440-50-8	Copper	9.87	J	1	2.30	10.0	ug/L	08/08/25 11:10	08/11/25 18:01	6010D	SW3010
7440-02-0	Nickel	20.6		1	1.53	20.0	ug/L	08/08/25 11:10	08/11/25 18:01	6010D	SW3010
7440-66-6	Zinc	176		1	8.33	20.0	ug/L	08/08/25 11:10	08/11/25 18:01	6010D	SW3010

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

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

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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

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	Chromium	793	800	99	90 - 110	P	08/11/2025	16:44	LB136779
	Copper	989	1000	99	90 - 110	P	08/11/2025	16:44	LB136779
	Nickel	1940	2000	97	90 - 110	P	08/11/2025	16:44	LB136779
	Zinc	1920	2000	96	90 - 110	P	08/11/2025	16:44	LB136779

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

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	Chromium	9.85	10.0	98	80 - 120	P	08/11/2025	16:49	LB136779
	Copper	21.3	20.0	107	80 - 120	P	08/11/2025	16:49	LB136779
	Nickel	39.9	40.0	100	80 - 120	P	08/11/2025	16:49	LB136779
	Zinc	41.2	40.0	103	80 - 120	P	08/11/2025	16:49	LB136779

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

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	Chromium	972	1000	97	90 - 110	P	08/11/2025	17:19	LB136779
	Copper	1240	1250	99	90 - 110	P	08/11/2025	17:19	LB136779
	Nickel	2440	2500	98	90 - 110	P	08/11/2025	17:19	LB136779
	Zinc	2440	2500	98	90 - 110	P	08/11/2025	17:19	LB136779
CCV02	Chromium	992	1000	99	90 - 110	P	08/11/2025	17:44	LB136779
	Copper	1250	1250	100	90 - 110	P	08/11/2025	17:44	LB136779
	Nickel	2470	2500	99	90 - 110	P	08/11/2025	17:44	LB136779
	Zinc	2450	2500	98	90 - 110	P	08/11/2025	17:44	LB136779
CCV03	Chromium	977	1000	98	90 - 110	P	08/11/2025	18:26	LB136779
	Copper	1240	1250	99	90 - 110	P	08/11/2025	18:26	LB136779
	Nickel	2450	2500	98	90 - 110	P	08/11/2025	18:26	LB136779
	Zinc	2450	2500	98	90 - 110	P	08/11/2025	18:26	LB136779
CCV04	Chromium	979	1000	98	90 - 110	P	08/11/2025	18:59	LB136779
	Copper	1230	1250	98	90 - 110	P	08/11/2025	18:59	LB136779
	Nickel	2430	2500	97	90 - 110	P	08/11/2025	18:59	LB136779
	Zinc	2440	2500	98	90 - 110	P	08/11/2025	18:59	LB136779



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Metals

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CRDL STANDARD FOR AA & ICP

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

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	Chromium	9.63	10.0	96	65 - 135	P	08/11/2025	16:58	LB136779
	Copper	20.7	20.0	103	65 - 135	P	08/11/2025	16:58	LB136779
	Nickel	39.0	40.0	98	65 - 135	P	08/11/2025	16:58	LB136779
	Zinc	39.4	40.0	99	65 - 135	P	08/11/2025	16:58	LB136779



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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	16:54	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	16:54	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	16:54	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	16:54	LB136779

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	17:23	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	17:23	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	17:23	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	17:23	LB136779
CCB02	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	17:48	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	17:48	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	17:48	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	17:48	LB136779
CCB03	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	18:30	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	18:30	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	18:30	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	18:30	LB136779
CCB04	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	19:03	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	19:03	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	19:03	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	19:03	LB136779

Metals
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PREPARATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169154BL	WATER			Batch Number:	PB169154		Prep Date:	08/08/2025	
	Chromium	1.06	<2.5	U	5.00	P	08/11/2025	17:52	LB136779
	Copper	2.30	<5	U	10.0	P	08/11/2025	17:52	LB136779
	Nickel	1.53	<10	U	20.0	P	08/11/2025	17:52	LB136779
	Zinc	8.33	<10	U	20.0	P	08/11/2025	17:52	LB136779

Metals

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INTERFERENCE CHECK SAMPLE

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

ICS Source: EPA

Instrument ID: P4

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	Chromium	56.8	52.0	109	42	62	08/11/2025	17:02	LB136779
	Copper	-0.68	2.0	34	-18	22	08/11/2025	17:02	LB136779
	Nickel	5.25	2.0	262	-38	42	08/11/2025	17:02	LB136779
	Zinc	2.14			-40	40	08/11/2025	17:02	LB136779
ICSAB01	Chromium	534	542	98	460	624	08/11/2025	17:06	LB136779
	Copper	463	511	91	434	588	08/11/2025	17:06	LB136779
	Nickel	949	954	100	810	1100	08/11/2025	17:06	LB136779
	Zinc	987	952	104	809	1095	08/11/2025	17:06	LB136779



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: <u>VERINA CONSULTING GROUP, LLC</u>	level: <u>low</u>	sdg no.: <u>Q2804</u>
contract: <u>VERI01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2805-02</u>	client id: <u>RW8-SP303-20250807MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2805-02MS</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
Chromium	ug/L	90 - 113	206		5.00	U	200	103		P
Copper	ug/L	86 - 114	162		6.11	J	150	104		P
Nickel	ug/L	88 - 113	254		3.69	J	250	100		P
Zinc	ug/L	87 - 115	132		29.6		100	103		P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>VERINA CONSULTING GROUP, LLC</u>	level: <u>low</u>	sdg no.: <u>Q2804</u>
contract: <u>VERI01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2805-02</u>	client id: <u>RW8-SP303-20250807MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2805-02MSD</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
Chromium	ug/L	90 - 113	203		5.00	U	200	102		P
Copper	ug/L	86 - 114	154		6.11	J	150	99		P
Nickel	ug/L	88 - 113	241		3.69	J	250	95		P
Zinc	ug/L	87 - 115	130		29.6		100	101		P



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Metals
- 5b -

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Matrix: _____

Level: LOW

Client ID: _____

Sample ID: _____

Spiked ID: _____

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

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q2804
Contract: VERI01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2805-02 **Client ID:** RW8-SP303-20250807DUP
Percent Solids for Sample: NA **Duplicate ID** Q2805-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	5.00	U	5.00	U			P
Copper	ug/L	20	6.11	J	6.10	J	0		P
Nickel	ug/L	20	3.69	J	3.86	J	5		P
Zinc	ug/L	20	29.6		30.2		2		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q2804
Contract: VERI01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2805-02MS **Client ID:** RW8-SP303-20250807MSD
Percent Solids for Sample: NA **Duplicate ID** Q2805-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	206		203		1		P
Copper	ug/L	20	162		154		5		P
Nickel	ug/L	20	254		241		5		P
Zinc	ug/L	20	132		130		2		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169154BS							
Chromium	ug/L	200	207		104	90 - 113	P
Copper	ug/L	150	157		105	86 - 114	P
Nickel	ug/L	250	251		100	88 - 113	P
Zinc	ug/L	100	105		105	87 - 115	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

RW8-SP303-20250807L

Lab Name: Alliance

Contract: VERI01

Lab Code: ACE

Lb No.: lb136779

Lab Sample ID : Q2805-02L

SDG No.: Q2804

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Differ- ence	Q	M
		C			C				
Chromium		5.00	U		25.0	U			P
Copper		6.11	J		50.0	U	100.0		P
Nickel		3.69	J		100	U	100.0		P
Zinc		29.6			100	U	100.0		P



METAL PREPARATION & INSTRUMENT DATA



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Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

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
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

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
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



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Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000



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Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

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
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000



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Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2804
Contract: VERI01 **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: PB169154							
PB169154BL	PB169154BL	MB	WATER	08/08/2025	50.0	25.0	
PB169154BS	PB169154BS	LCS	WATER	08/08/2025	50.0	25.0	
Q2804-01	WATER-TREATMENT DISCHARGE	SAM	WATER	08/08/2025	50.0	25.0	
Q2805-02DUP	RW8-SP303-20250807DUP	DUP	WATER	08/08/2025	50.0	25.0	
Q2805-02MS	RW8-SP303-20250807MS	MS	WATER	08/08/2025	50.0	25.0	
Q2805-02MSD	RW8-SP303-20250807MSD	MSD	WATER	08/08/2025	50.0	25.0	

metals
- 14 -
ANALYSIS RUN LOG

Client: VERINA CONSULTING GROUP, LLC

Contract: VERI01

Lab code: ACE

Sdg no.: Q2804

Instrument id number:

Method:

Run number: LB136779

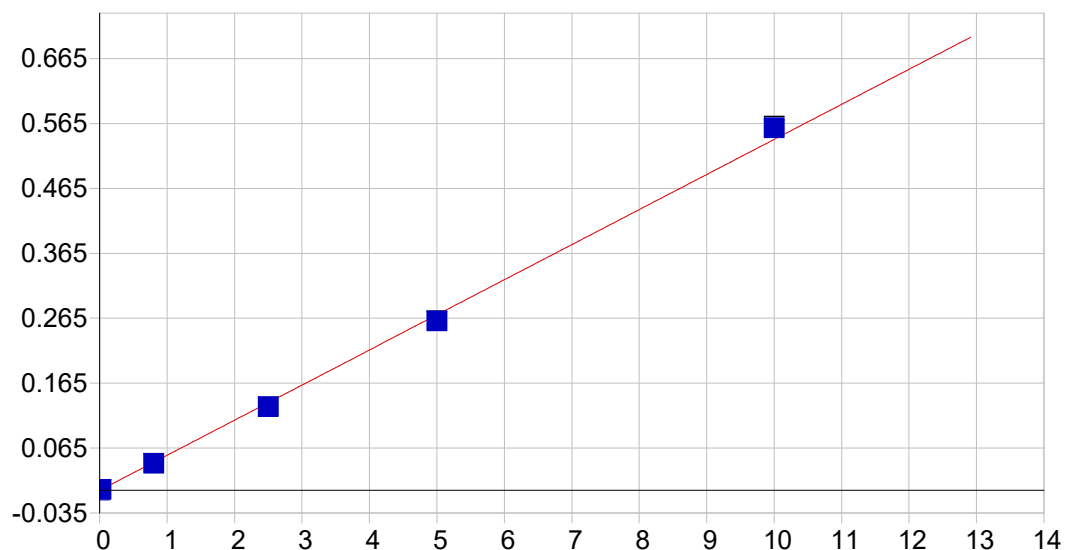
Start date: 08/11/2025

End date: 08/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1619	Cr,Cu,Ni,Zn
S1	S1	1	1623	Cr,Cu,Ni,Zn
S2	S2	1	1627	Cr,Cu,Ni,Zn
S3	S3	1	1631	Cr,Cu,Ni,Zn
S4	S4	1	1636	Cr,Cu,Ni,Zn
S5	S5	1	1640	Cr,Cu,Ni,Zn
ICV01	ICV01	1	1644	Cr,Cu,Ni,Zn
LLICV01	LLICV01	1	1649	Cr,Cu,Ni,Zn
ICB01	ICB01	1	1654	Cr,Cu,Ni,Zn
CRI01	CRI01	1	1658	Cr,Cu,Ni,Zn
ICSA01	ICSA01	1	1702	Cr,Cu,Ni,Zn
ICSAB01	ICSAB01	1	1706	Cr,Cu,Ni,Zn
CCV01	CCV01	1	1719	Cr,Cu,Ni,Zn
CCB01	CCB01	1	1723	Cr,Cu,Ni,Zn
CCV02	CCV02	1	1744	Cr,Cu,Ni,Zn
CCB02	CCB02	1	1748	Cr,Cu,Ni,Zn
PB169154BL	PB169154BL	1	1752	Cr,Cu,Ni,Zn
PB169154BS	PB169154BS	1	1757	Cr,Cu,Ni,Zn
Q2804-01	WATER-TREATMENT DISCHARGE	1	1801	Cr,Cu,Ni,Zn
Q2805-02DUP	RW8-SP303-20250807DUP	1	1814	Cr,Cu,Ni,Zn
Q2805-02L	RW8-SP303-20250807L	5	1818	Cr,Cu,Ni,Zn
Q2805-02MS	RW8-SP303-20250807MS	1	1822	Cr,Cu,Ni,Zn
CCV03	CCV03	1	1826	Cr,Cu,Ni,Zn
CCB03	CCB03	1	1830	Cr,Cu,Ni,Zn
Q2805-02MSD	RW8-SP303-20250807MSD	1	1835	Cr,Cu,Ni,Zn
CCV04	CCV04	1	1859	Cr,Cu,Ni,Zn
CCB04	CCB04	1	1903	Cr,Cu,Ni,Zn



METAL RAW DATA

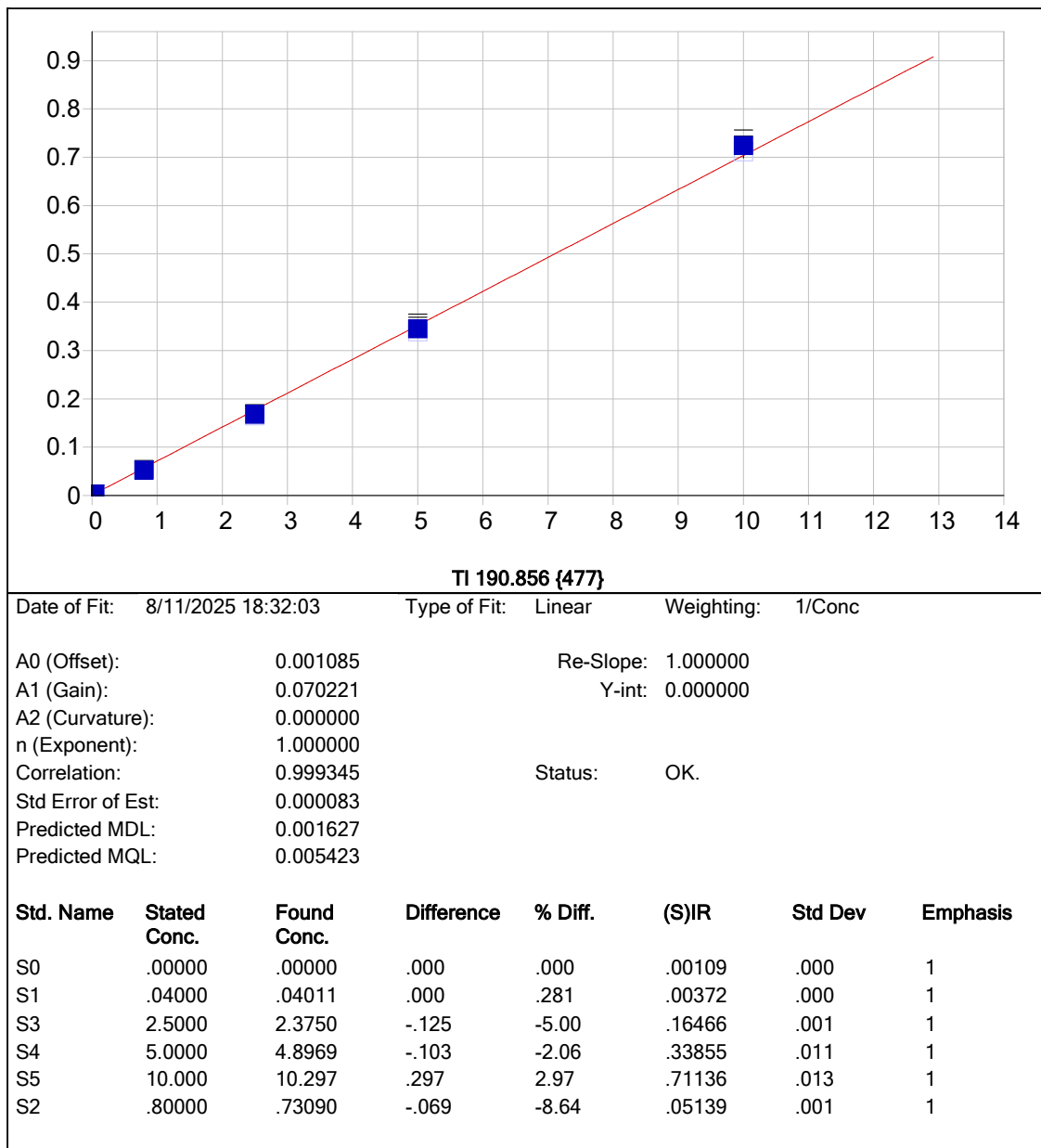


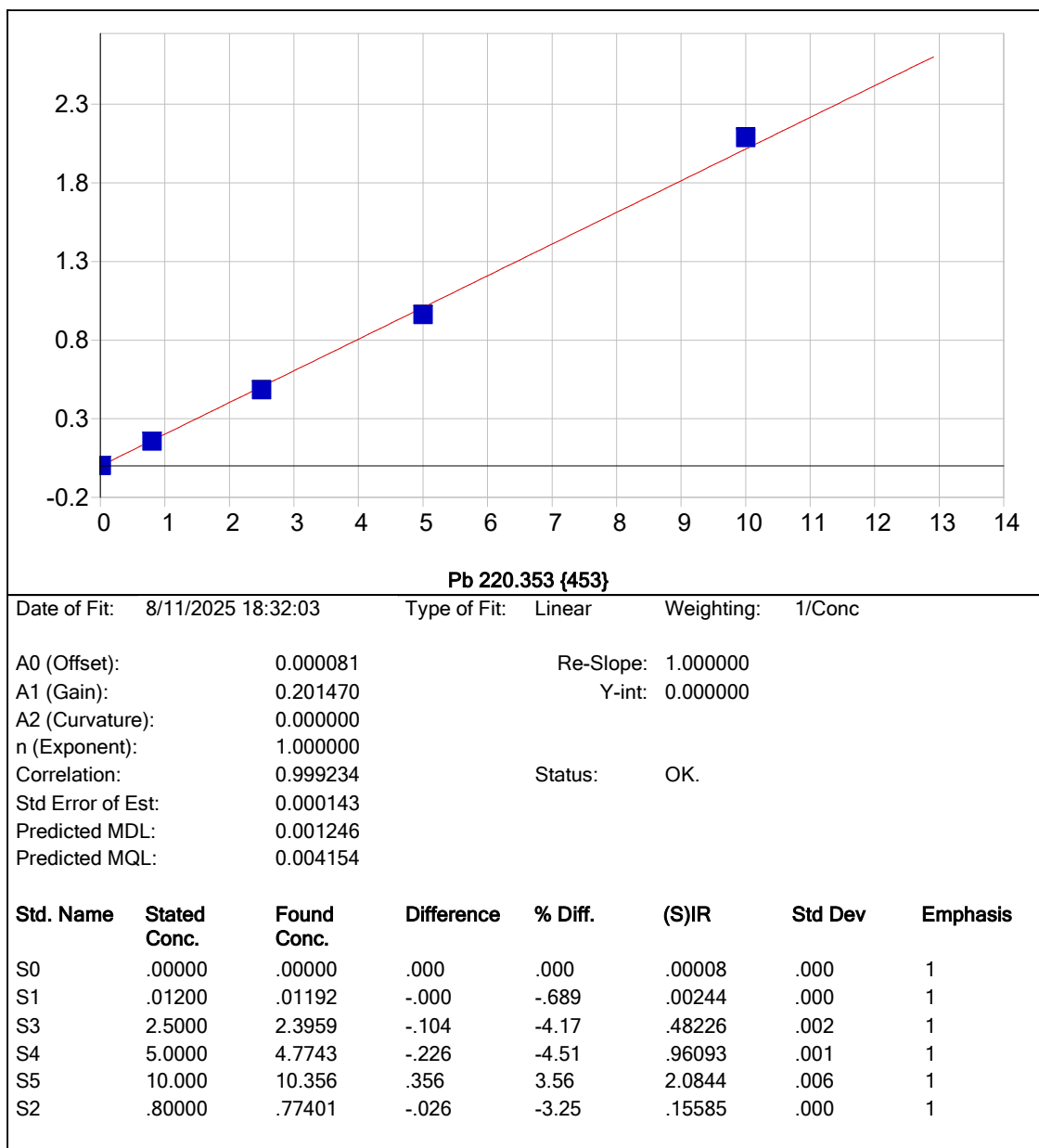
As 189.042 {479}

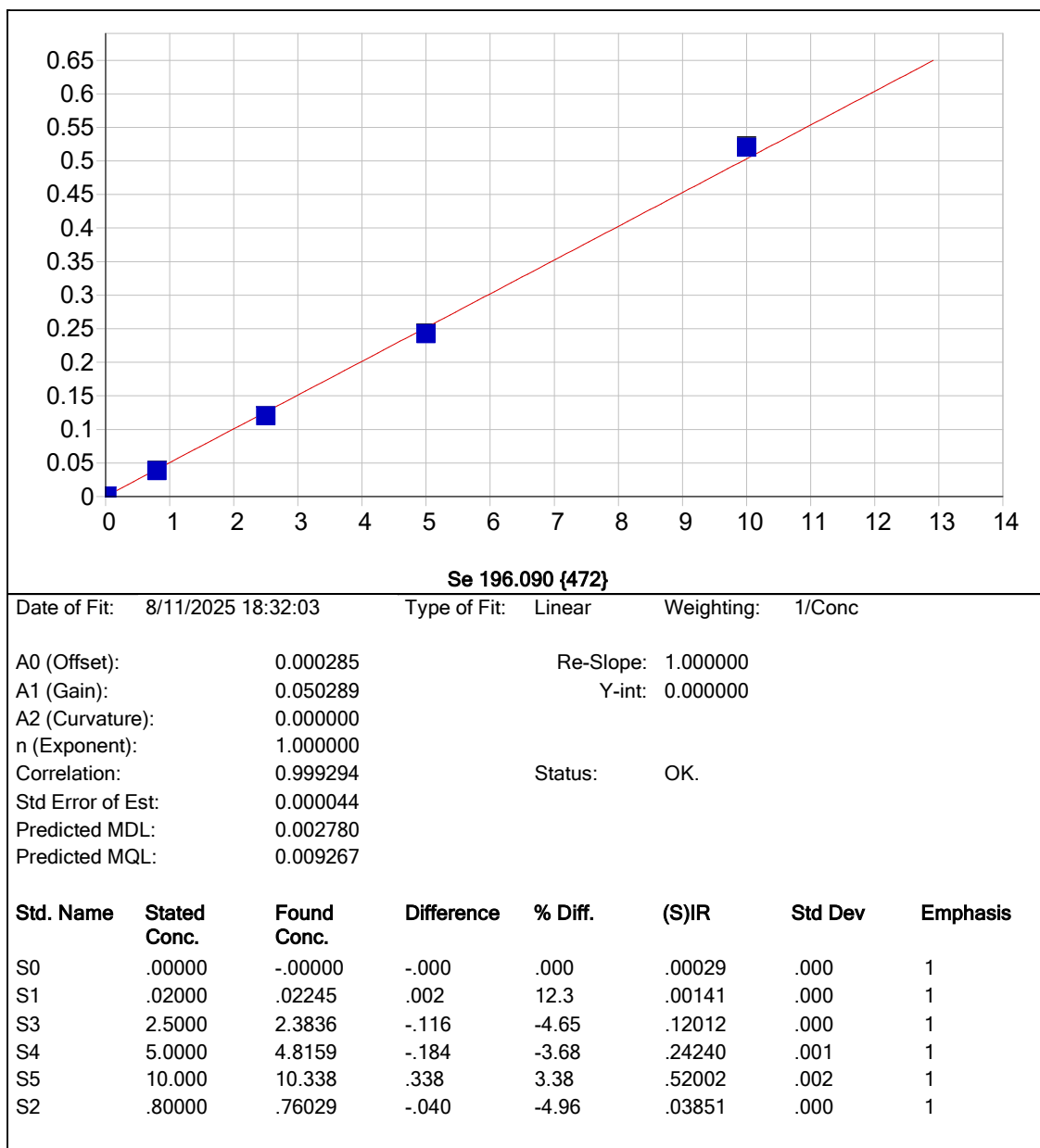
Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

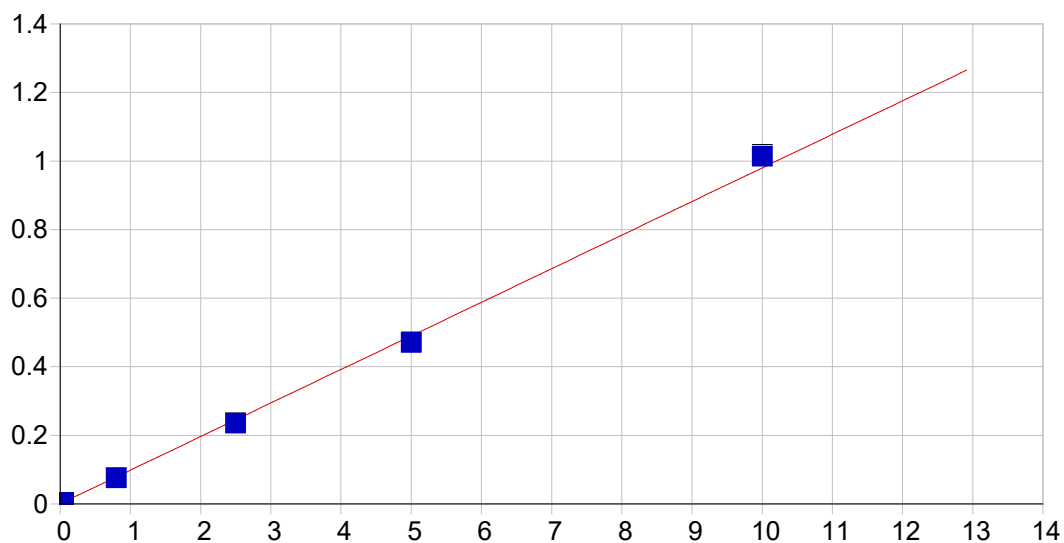
A0 (Offset): -0.000019 Re-Slope: 1.000000
A1 (Gain): 0.054040 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999332 Status: OK.
Std Error of Est: 0.000046
Predicted MDL: 0.002036
Predicted MQL: 0.006788

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00002	.000	1
S1	.02000	.01859	-.001	-7.03	.00098	.000	1
S3	2.5000	2.3835	-.116	-4.66	.12864	.000	1
S4	5.0000	4.8222	-.178	-3.56	.26028	.000	1
S5	10.000	10.332	.332	3.32	.55772	.003	1
S2	.80000	.76411	-.036	-4.49	.04123	.000	1







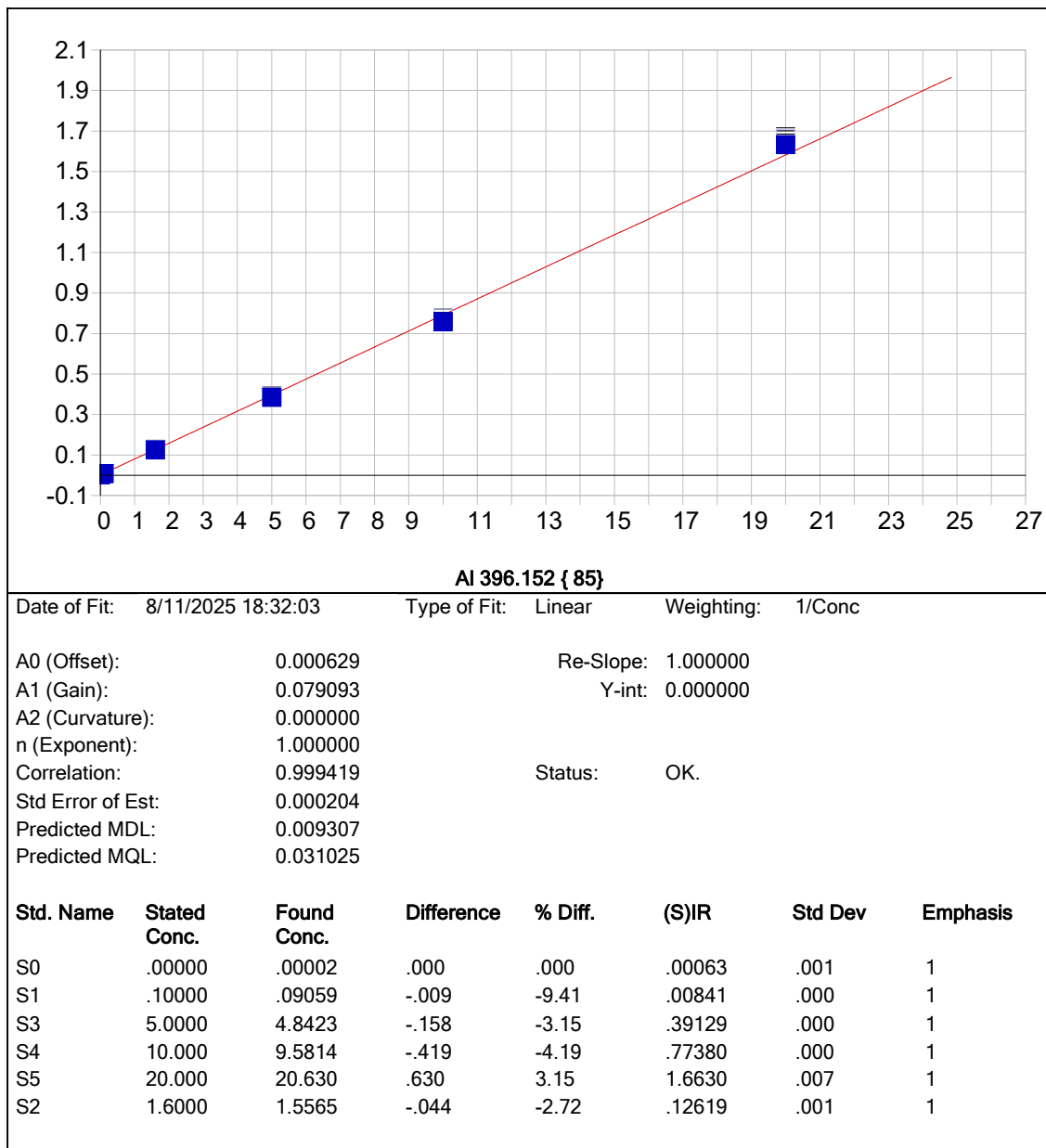


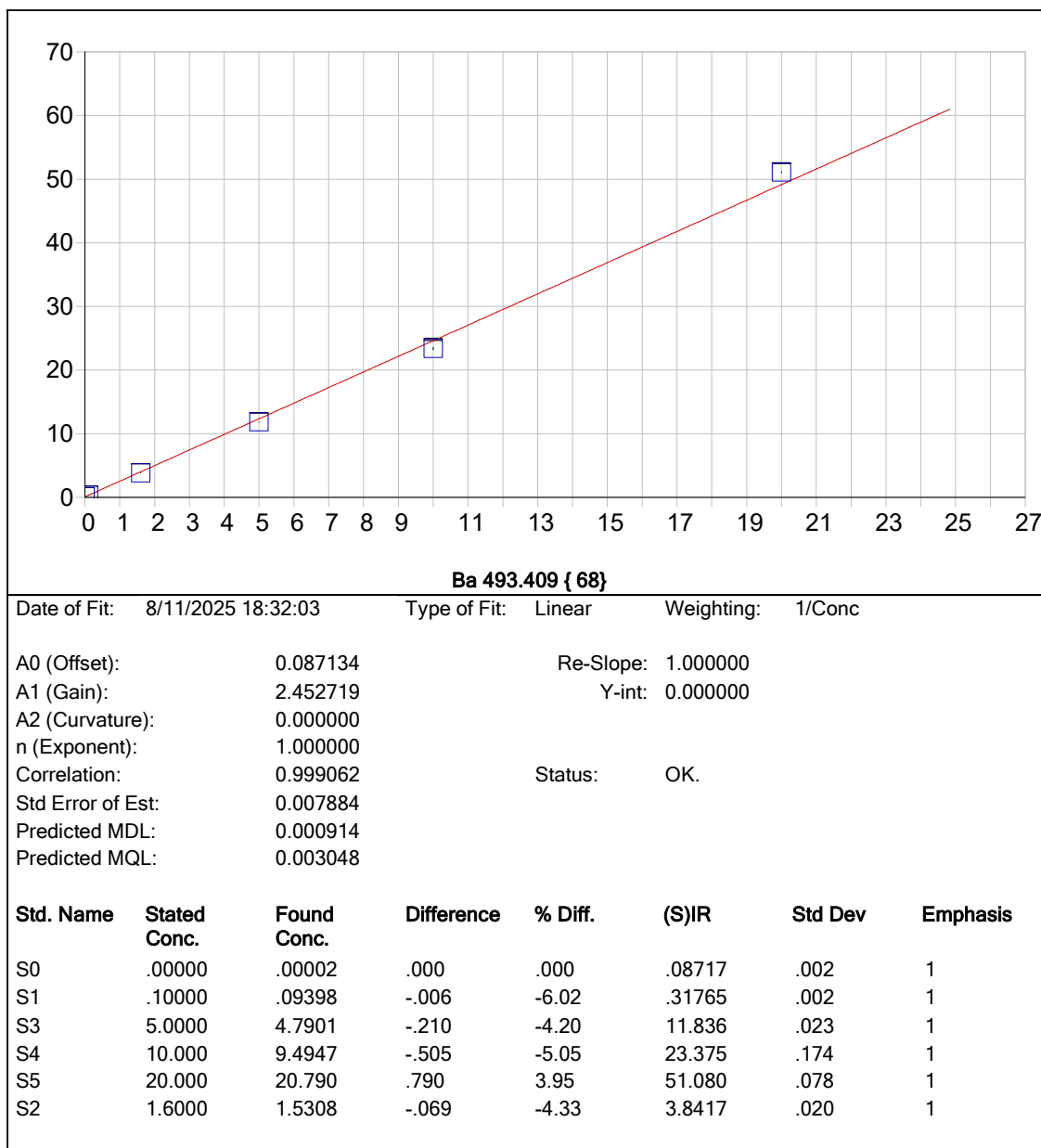
Sb 206.833 {463}

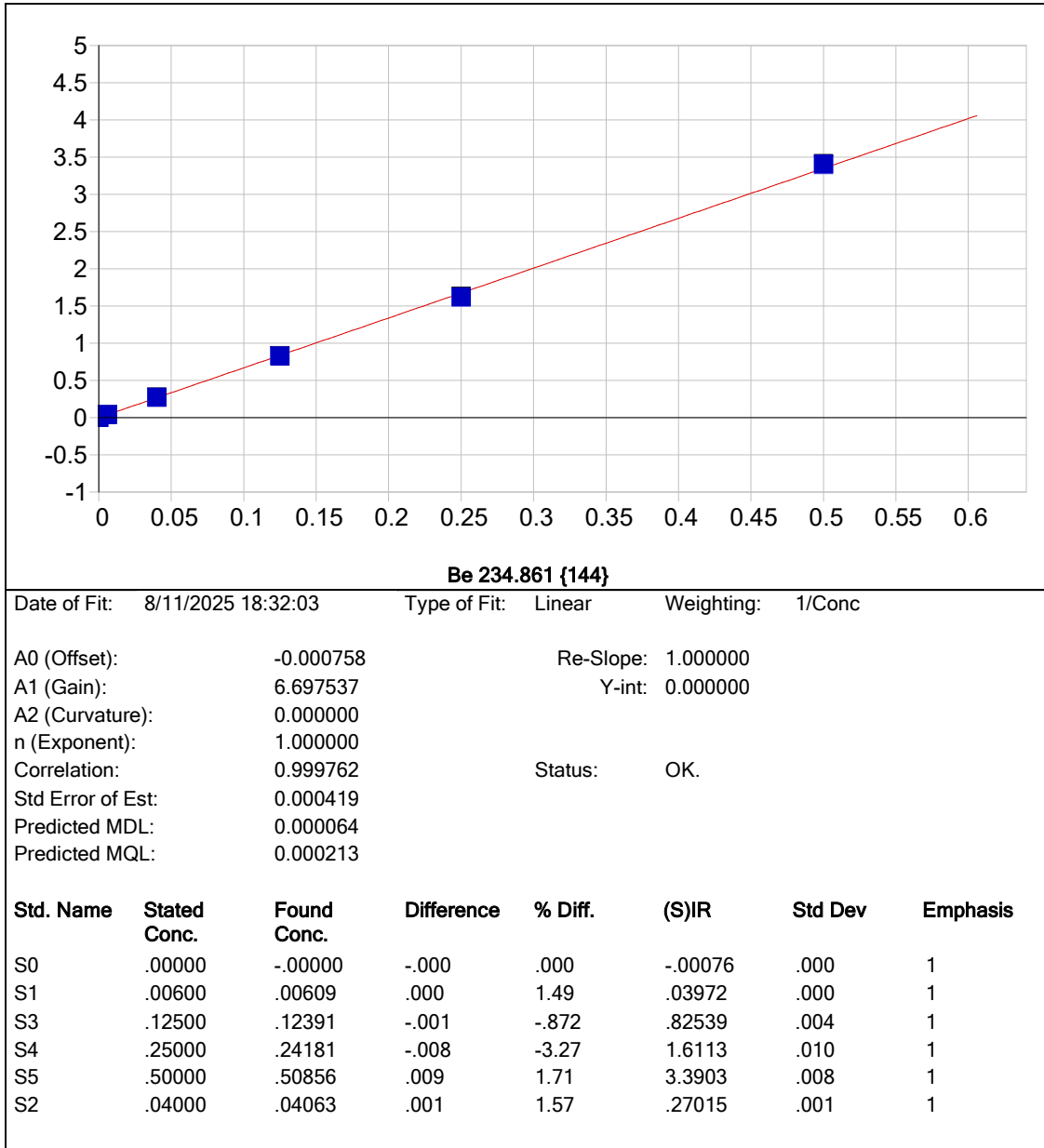
Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

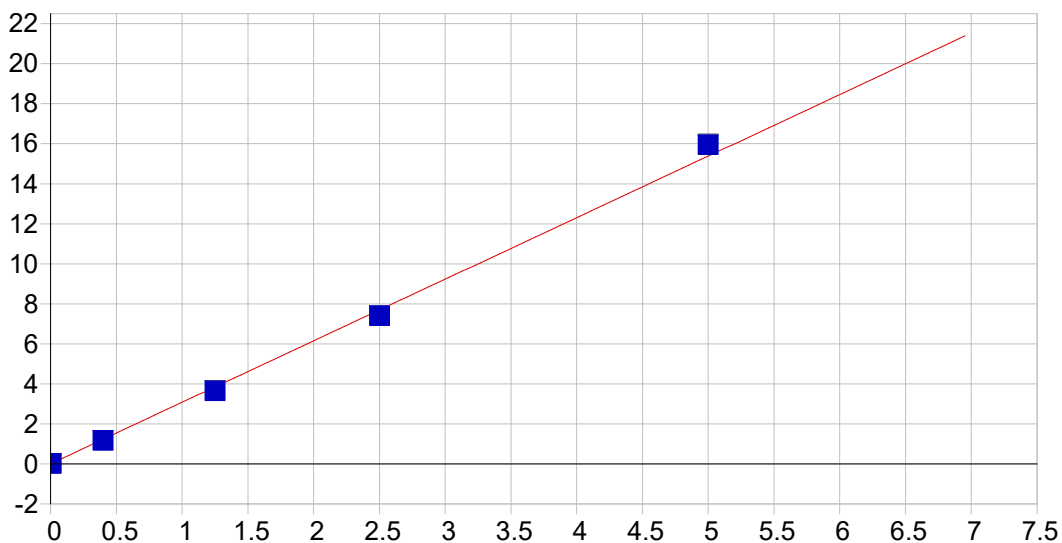
A0 (Offset): 0.000403 Re-Slope: 1.000000
A1 (Gain): 0.097947 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999286 Status: OK.
Std Error of Est: 0.000138
Predicted MDL: 0.001790
Predicted MQL: 0.005967

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00040	.000	1
S1	.05000	.04946	-.001	-1.09	.00526	.000	1
S3	2.5000	2.3936	-.106	-4.25	.23552	.000	1
S4	5.0000	4.7955	-.205	-4.09	.47144	.001	1
S5	10.000	10.346	.346	3.46	1.0164	.003	1
S2	.80000	.76537	-.035	-4.33	.07558	.000	1







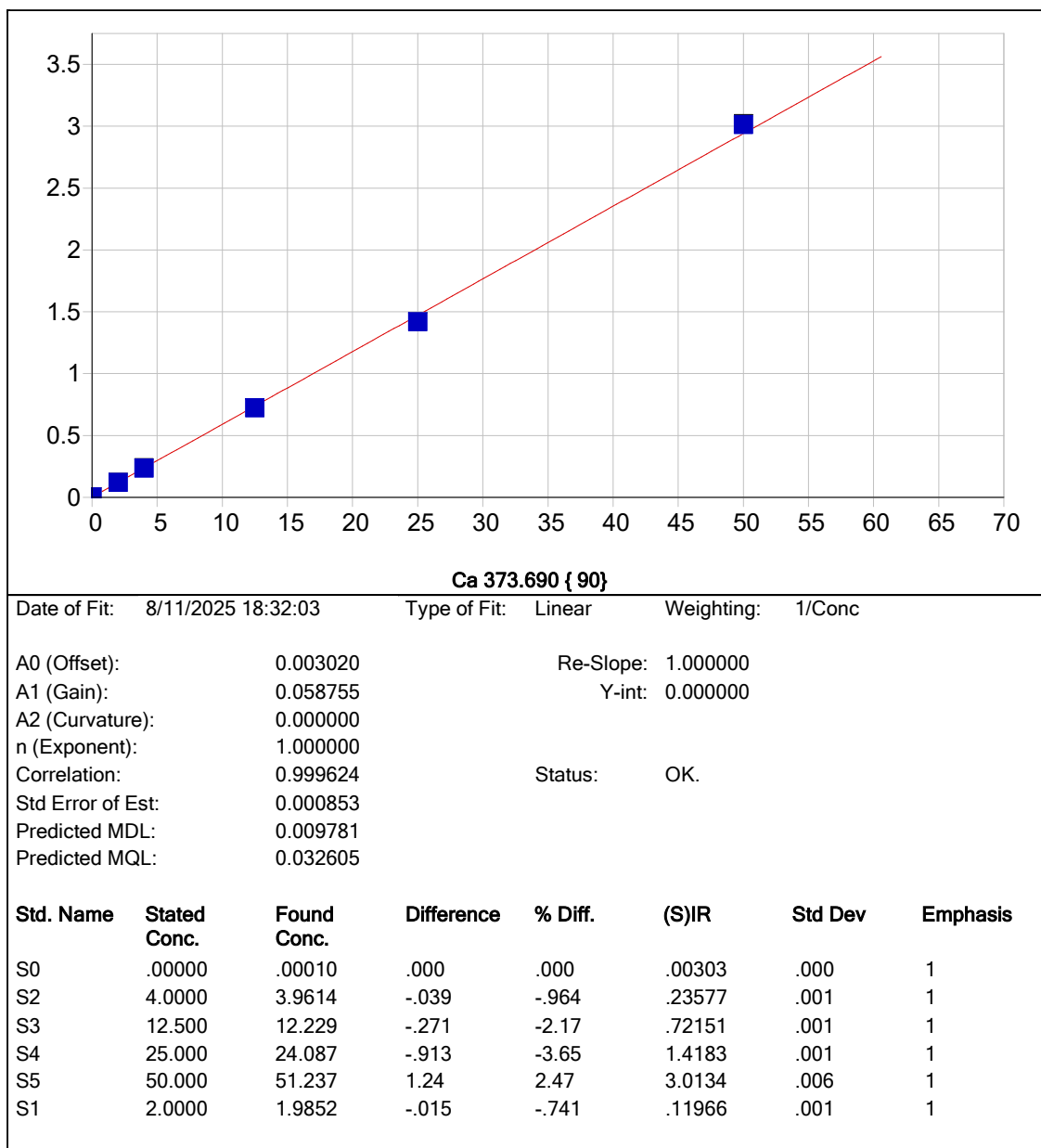


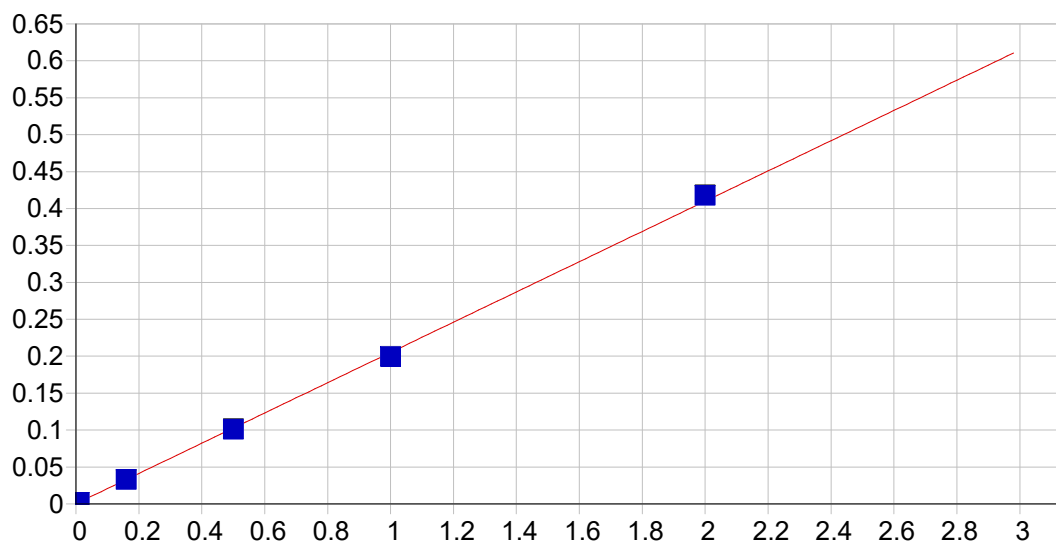
Cd 226.502 {449}

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000048 Re-Slope: 1.000000
A1 (Gain): 3.076247 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999206 Status: OK.
Std Error of Est: 0.001113
Predicted MDL: 0.000070
Predicted MQL: 0.000233

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00005	.000	1
S1	.00600	.00568	-.000	-5.36	.01748	.000	1
S3	1.2500	1.1864	-.064	-5.09	3.6521	.009	1
S4	2.5000	2.4048	-.095	-3.81	7.4027	.004	1
S5	5.0000	5.1807	.181	3.61	15.947	.032	1
S2	.40000	.37846	-.022	-5.38	1.1650	.002	1



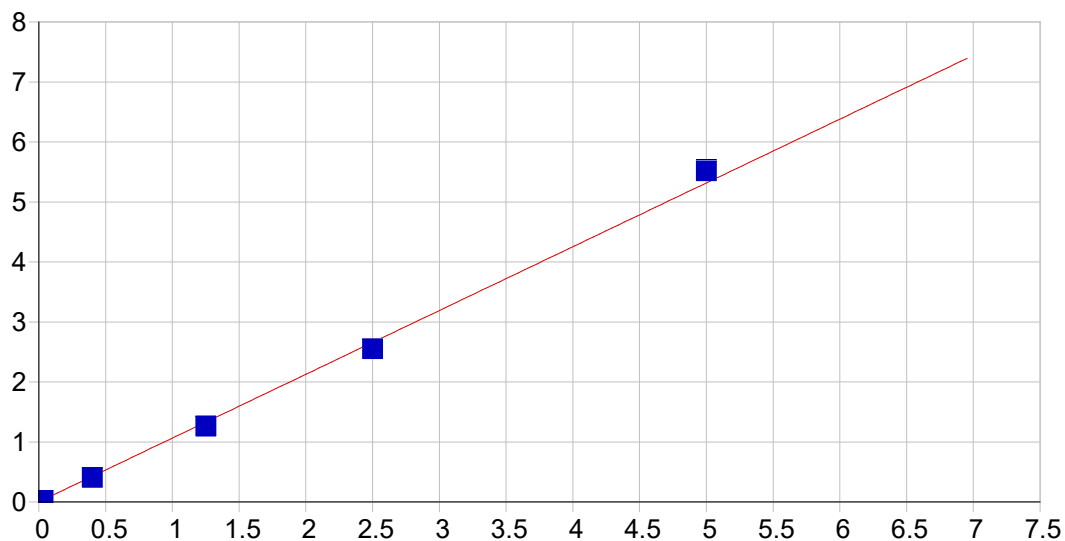


Cr 267.716 {126}

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000297 Re-Slope: 1.000000
A1 (Gain): 0.204815 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999774 Status: OK.
Std Error of Est: 0.000032
Predicted MDL: 0.000313
Predicted MQL: 0.001043

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00030	.000	1
S1	.01000	.00998	-.000	-.217	.00234	.000	1
S3	.50000	.49224	-.008	-1.55	.10116	.000	1
S4	1.0000	.97146	-.029	-2.85	.19935	.000	1
S5	2.0000	2.0377	.038	1.89	.41781	.000	1
S2	.16000	.15861	-.001	-.869	.03280	.000	1

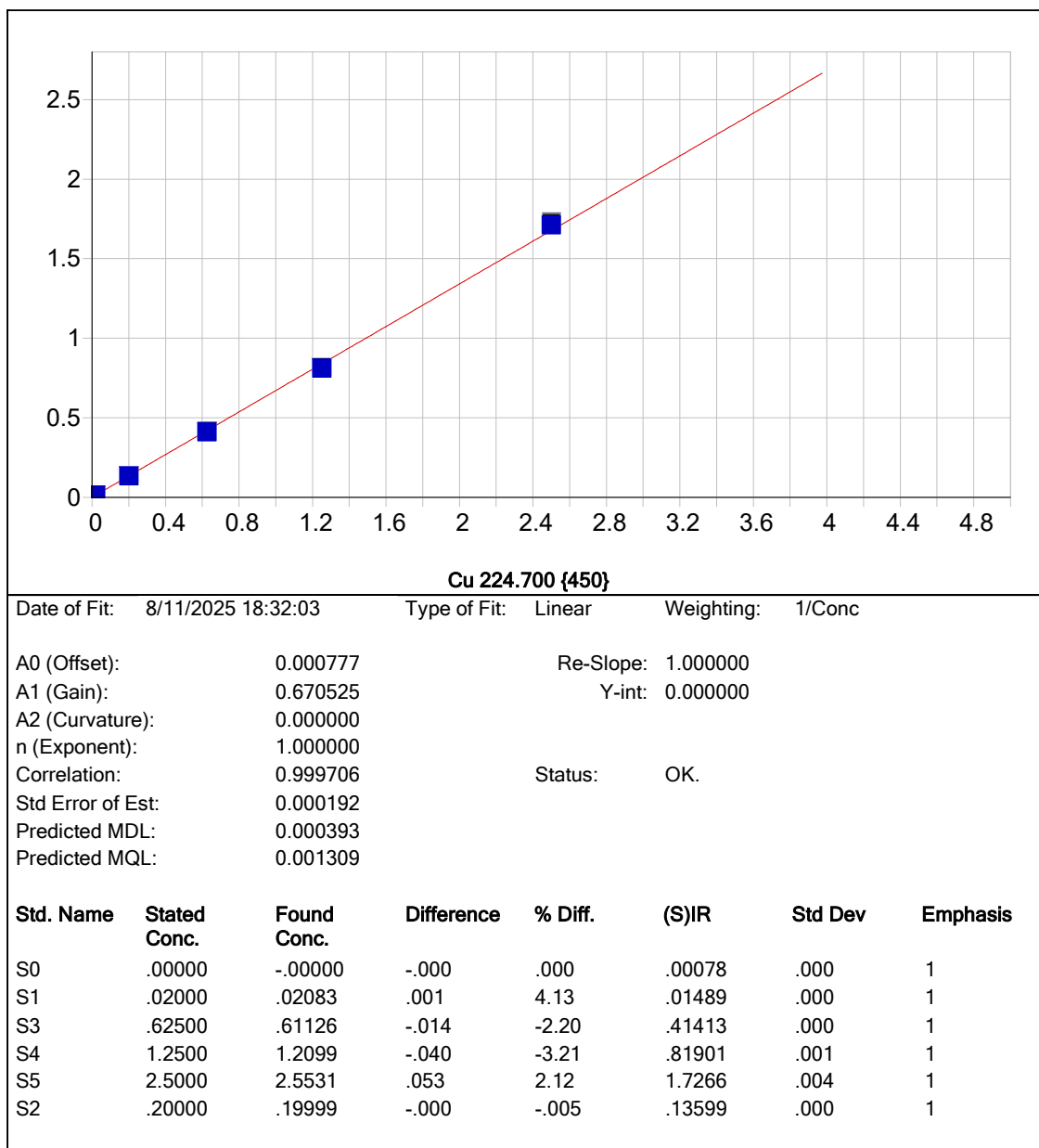


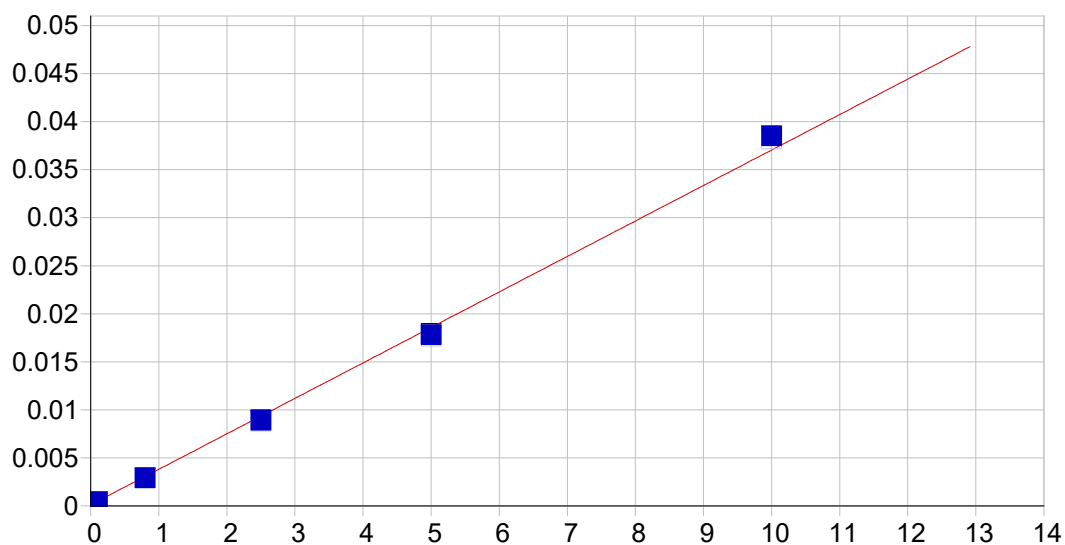
Co 228.616 {448}

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000346 Re-Slope: 1.000000
A1 (Gain): 1.063162 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999144 Status: OK.
Std Error of Est: 0.000896
Predicted MDL: 0.000179
Predicted MQL: 0.000596

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00035	.000	1
S1	.03000	.02944	-.001	-1.86	.03151	.000	1
S3	1.2500	1.1849	-.065	-5.21	1.2623	.003	1
S4	2.5000	2.3963	-.104	-4.15	2.5525	.002	1
S5	5.0000	5.1888	.189	3.78	5.5259	.013	1
S2	.40000	.38052	-.019	-4.87	.40562	.000	1



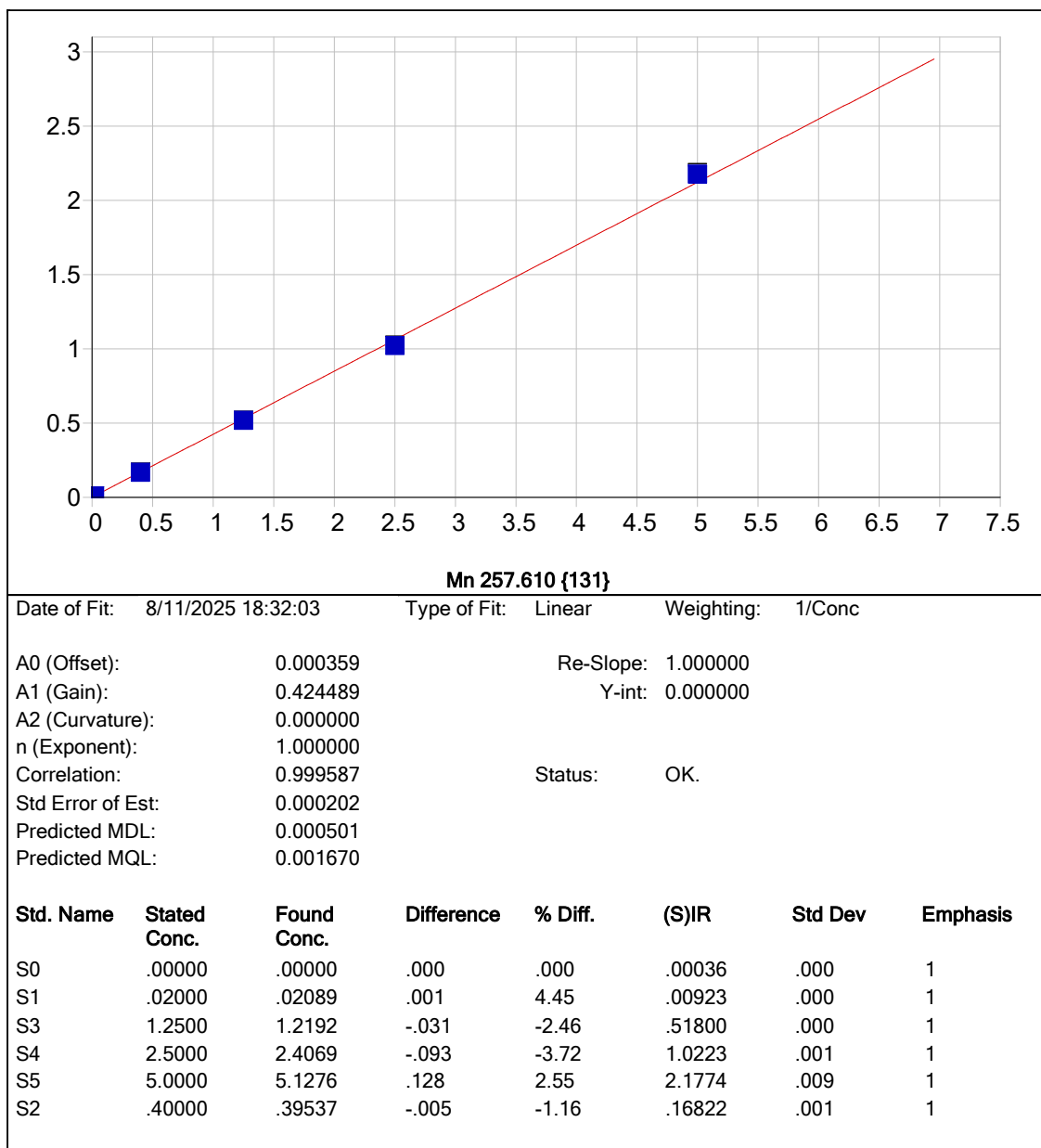


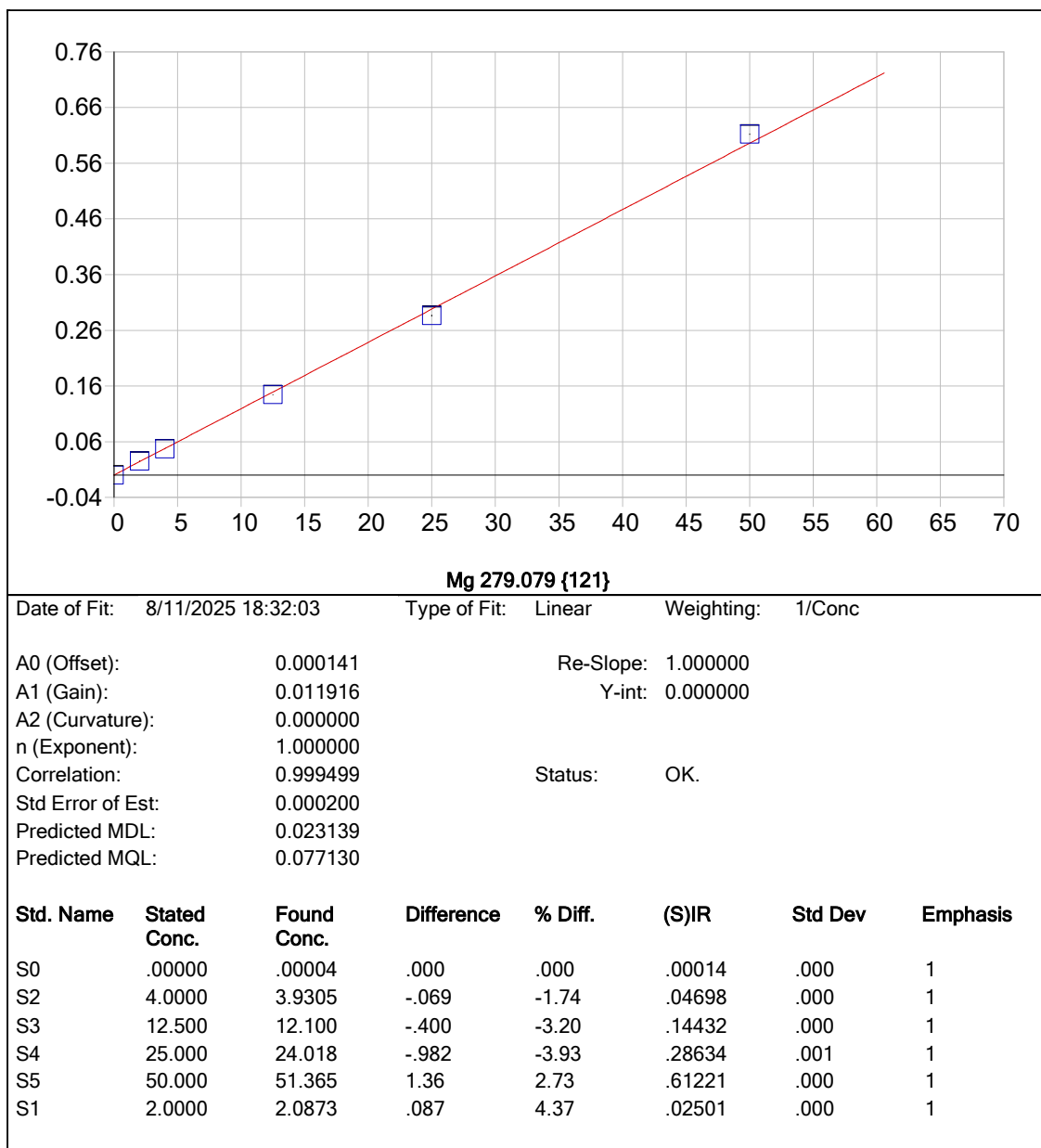
Fe 240.488 {140}

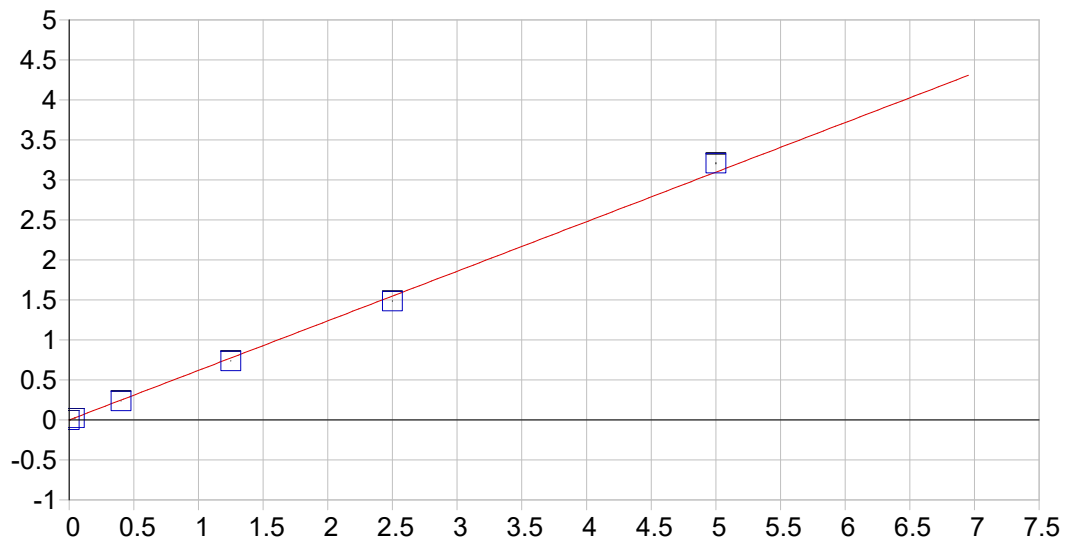
Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000117 Re-Slope: 1.000000
A1 (Gain): 0.003693 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999035 Status: OK.
Std Error of Est: 0.000008
Predicted MDL: 0.005638
Predicted MQL: 0.018794

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	.00012	.000	1
S1	.10000	.08501	-.015	-15.0	.00043	.000	1
S3	2.5000	2.3748	-.125	-5.01	.00881	.000	1
S4	5.0000	4.7917	-.208	-4.17	.01766	.000	1
S5	10.000	10.392	.392	3.92	.03818	.000	1
S2	.80000	.75635	-.044	-5.46	.00289	.000	1





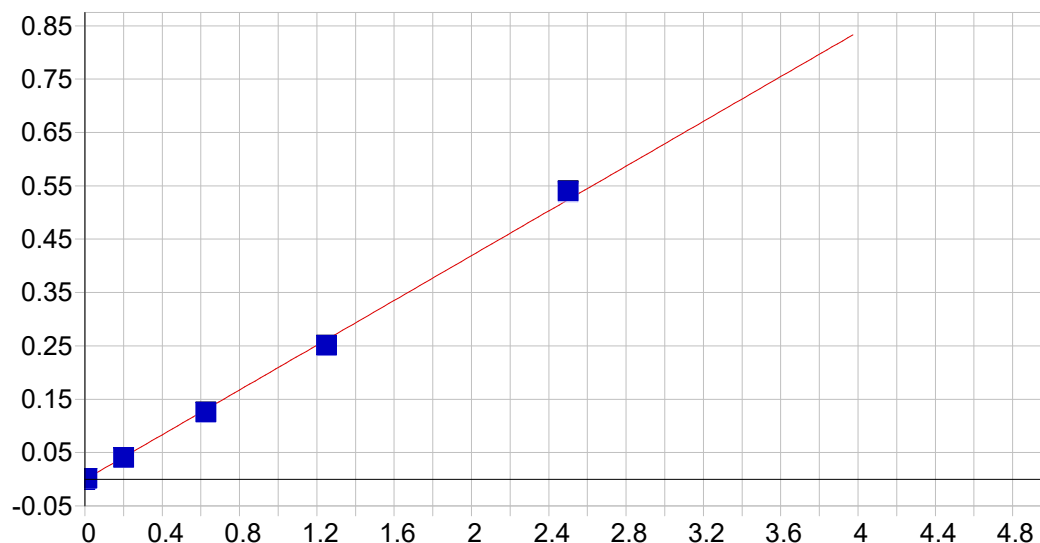


Ni 231.604 {446}

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000152 Re-Slope: 1.000000
A1 (Gain): 0.619429 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999241 Status: OK.
Std Error of Est: 0.000567
Predicted MDL: 0.000326
Predicted MQL: 0.001087

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00015	.000	1
S1	.04000	.03961	-.000	-.966	.02439	.000	1
S3	1.2500	1.1903	-.060	-4.77	.73717	.002	1
S4	2.5000	2.3984	-.102	-4.07	1.4855	.001	1
S5	5.0000	5.1779	.178	3.56	3.2072	.008	1
S2	.40000	.38384	-.016	-4.04	.23761	.000	1

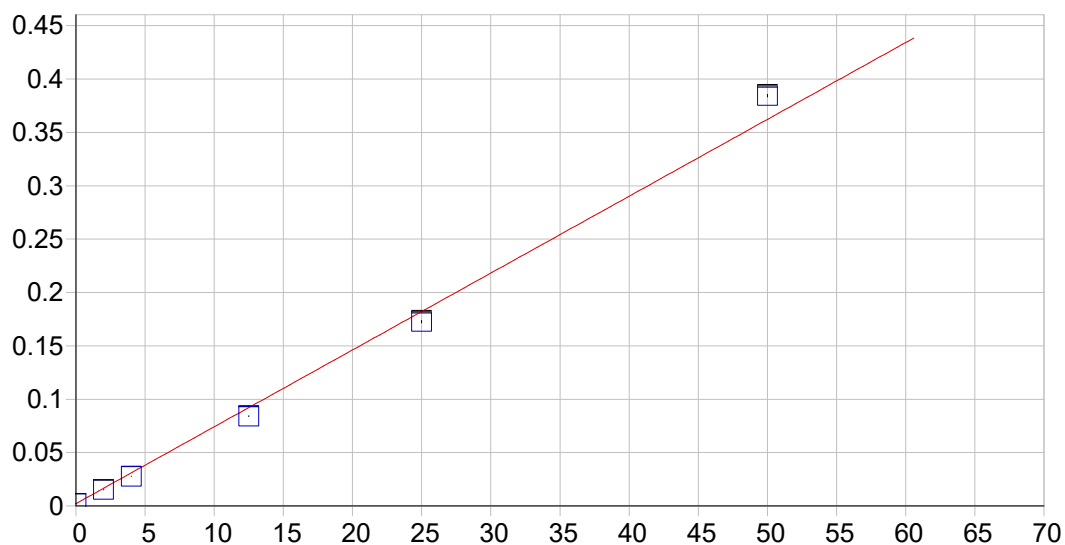


Ag 328.068 {103}

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000537 Re-Slope: 1.000000
A1 (Gain): 0.209800 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999409 Status: OK.
Std Error of Est: 0.000060
Predicted MDL: 0.000473
Predicted MQL: 0.001577

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00054	.000	1
S1	.01000	.00929	-.001	-7.10	.00139	.000	1
S3	.62500	.60234	-.023	-3.63	.12520	.000	1
S4	1.2500	1.2001	-.050	-3.99	.24996	.000	1
S5	2.5000	2.5777	.078	3.11	.53771	.001	1
S2	.20000	.19563	-.004	-2.18	.04030	.000	1

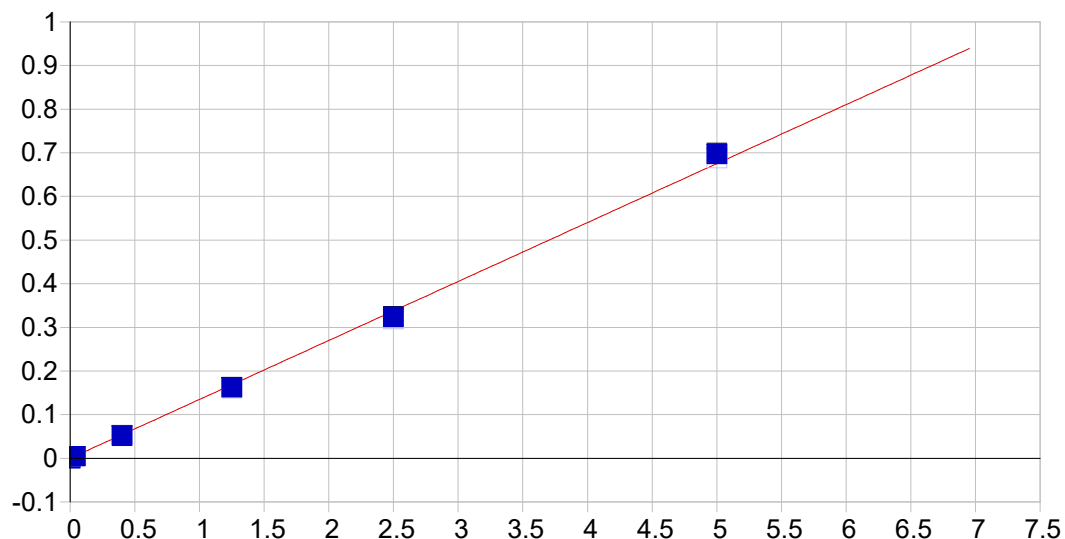


Na 589.592 { 57}

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002144 Re-Slope: 1.000000
A1 (Gain): 0.007202 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.997719 Status: OK.
Std Error of Est: 0.000258
Predicted MDL: 0.019182
Predicted MQL: 0.063940

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00057	.001	.000	.00215	.000	1
S2	4.0000	3.5391	-.461	-11.5	.02763	.000	1
S3	12.500	11.372	-1.13	-9.03	.08404	.000	1
S4	25.000	23.700	-1.30	-5.20	.17282	.001	1
S5	50.000	53.071	3.07	6.14	.38434	.001	1
S1	2.0000	1.8186	-.181	-9.07	.01524	.000	1

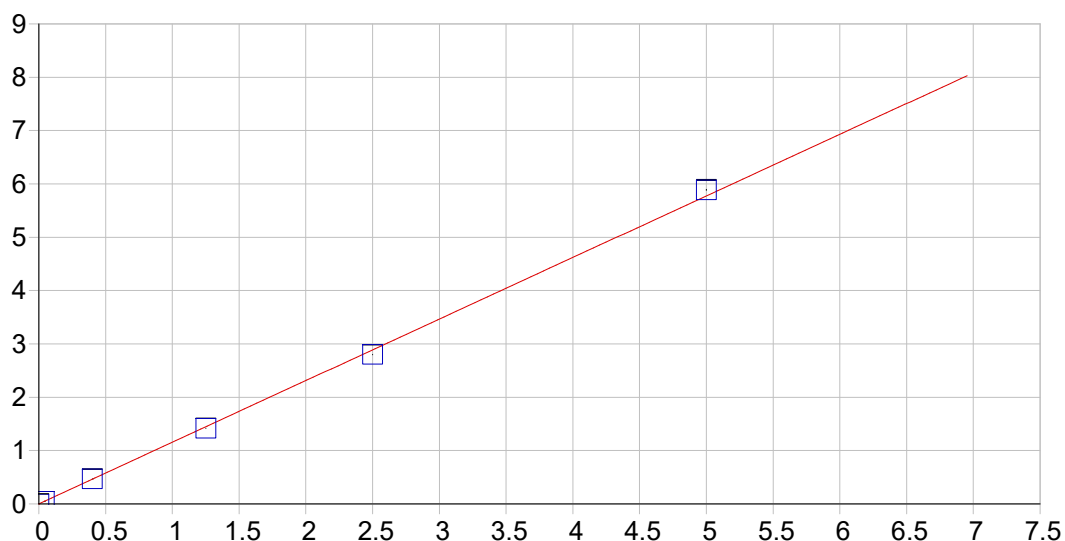


V 292.402 {115}

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000177 Re-Slope: 1.000000
A1 (Gain): 0.135092 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999343 Status: OK.
Std Error of Est: 0.000113
Predicted MDL: 0.002388
Predicted MQL: 0.007959

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00018	.000	1
S1	.04000	.03733	-.003	-6.67	.00466	.000	1
S3	1.2500	1.2041	-.046	-3.67	.16003	.000	1
S4	2.5000	2.3997	-.100	-4.01	.31908	.000	1
S5	5.0000	5.1632	.163	3.26	.68749	.002	1
S2	.40000	.38554	-.014	-3.62	.05112	.001	1

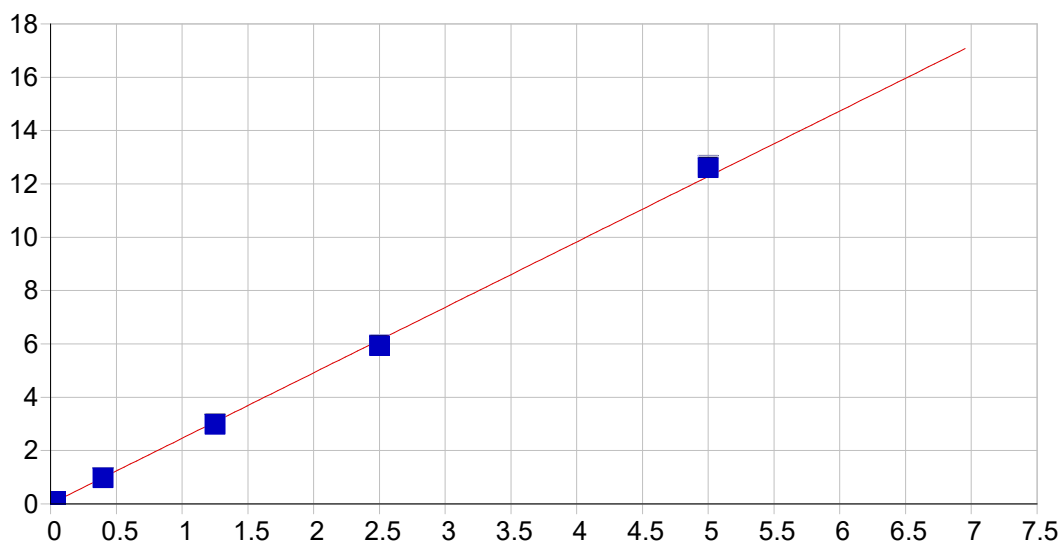


Zn 206.200 {464}

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002929 Re-Slope: 1.000000
A1 (Gain): 1.154398 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999738 Status: OK.
Std Error of Est: 0.000621
Predicted MDL: 0.000138
Predicted MQL: 0.000461

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00293	.000	1
S1	.04000	.04066	.001	1.65	.04987	.000	1
S3	1.2500	1.2247	-.025	-2.02	1.4168	.003	1
S4	2.5000	2.4233	-.077	-3.07	2.8004	.003	1
S5	5.0000	5.0982	.098	1.96	5.8882	.009	1
S2	.40000	.40308	.003	.769	.46824	.001	1

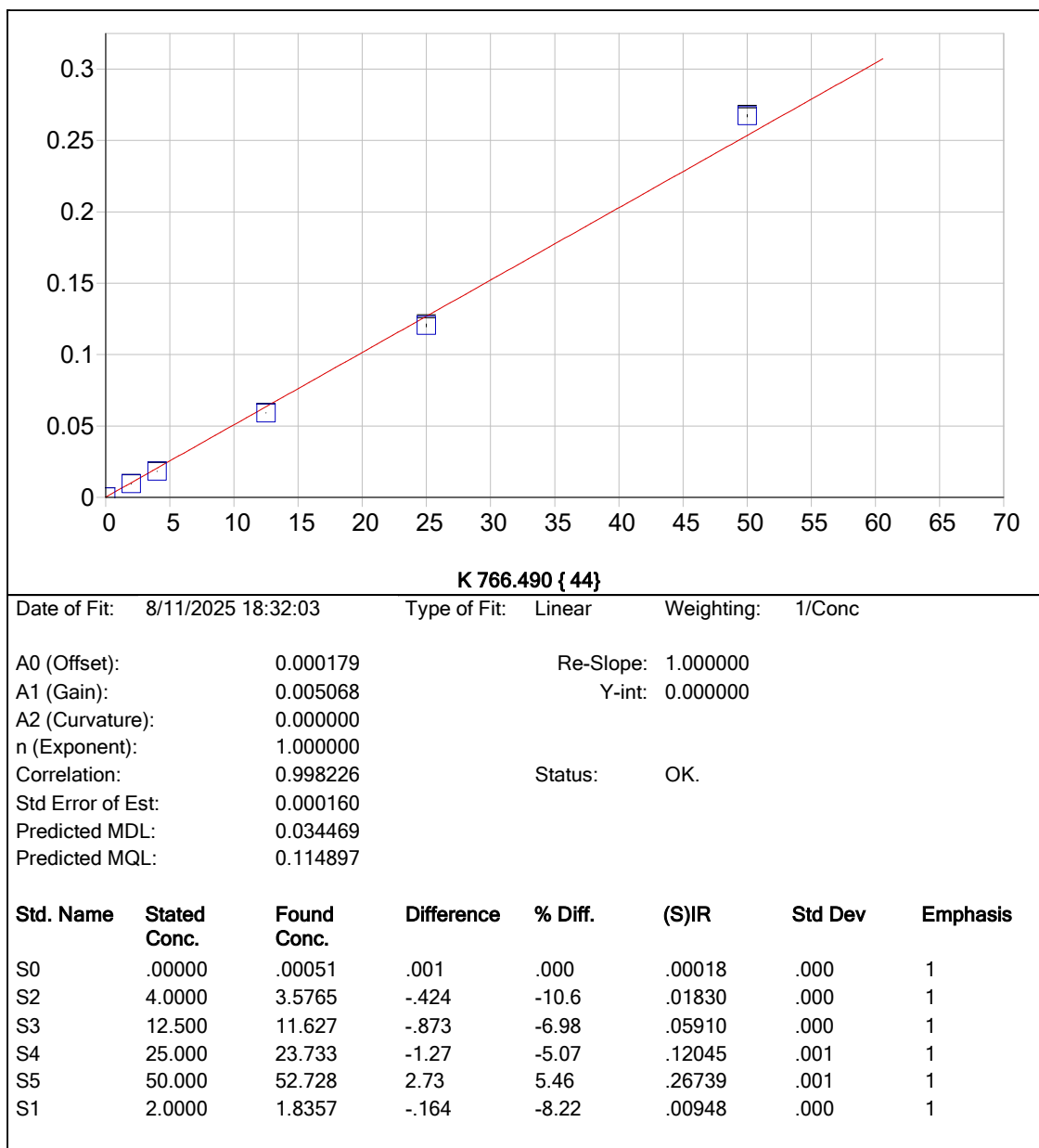


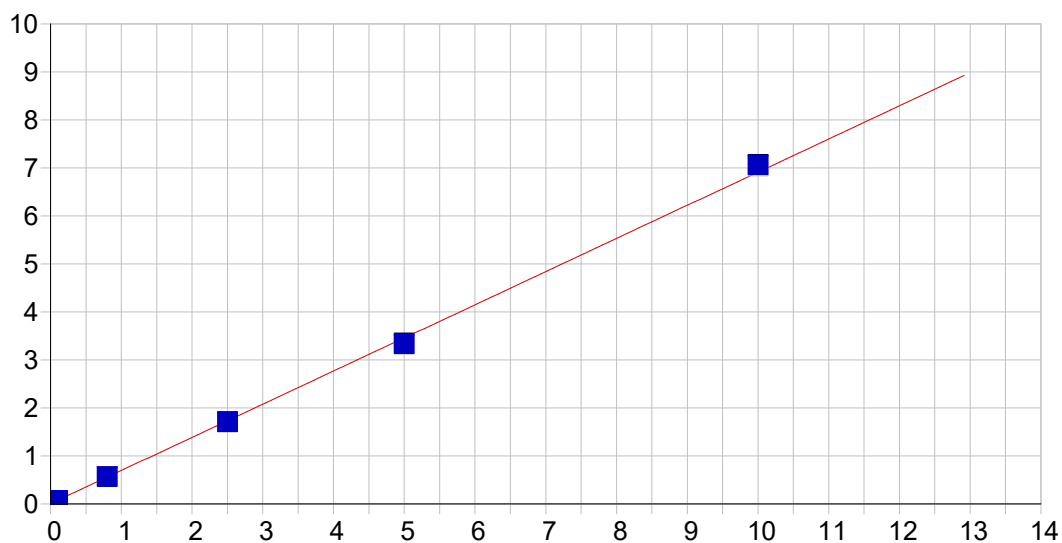
Zn 213.856 {158}

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.006950 Re-Slope: 1.000000
A1 (Gain): 2.454542 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999580 Status: OK.
Std Error of Est: 0.001681
Predicted MDL: 0.000233
Predicted MQL: 0.000778

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00696	.000	1
S1	.04000	.03909	-.001	-2.27	.10359	.001	1
S3	1.2500	1.2101	-.040	-3.19	2.9985	.006	1
S4	2.5000	2.4144	-.086	-3.42	5.9758	.002	1
S5	5.0000	5.1324	.132	2.65	12.690	.008	1
S2	.40000	.39406	-.006	-1.49	.98101	.004	1



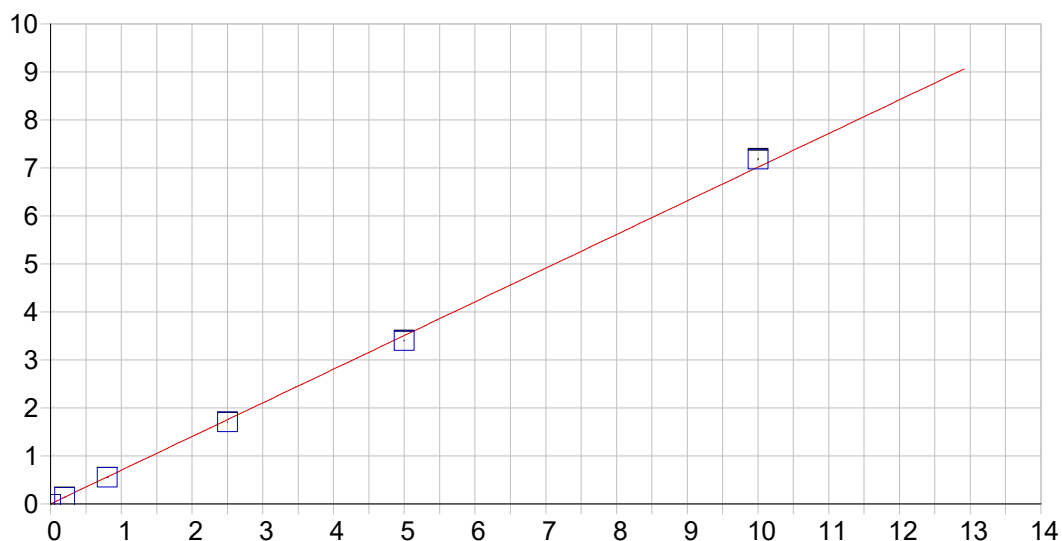


B 249.678 {135}

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005726 Re-Slope: 1.000000
A1 (Gain): 0.690580 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999683 Status: OK.
Std Error of Est: 0.000911
Predicted MDL: 0.000669
Predicted MQL: 0.002231

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00573	.000	1
S1	.10000	.09697	-.003	-3.03	.07229	.000	1
S3	2.5000	2.4632	-.037	-1.47	1.7005	.006	1
S4	5.0000	4.8206	-.179	-3.59	3.3223	.021	1
S5	10.000	10.211	.211	2.11	7.0322	.014	1
S2	.80000	.80844	.008	1.06	.56203	.002	1

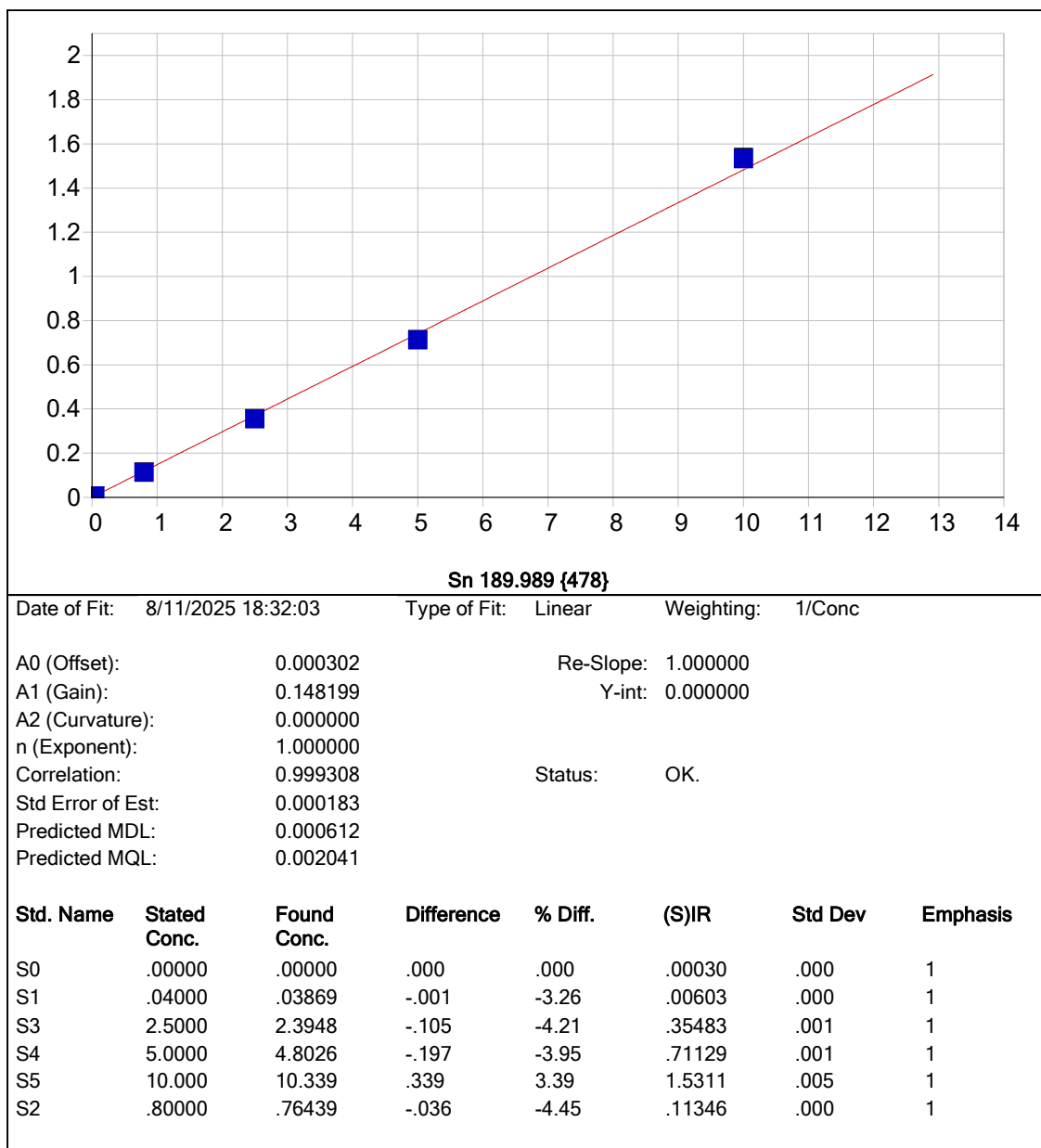


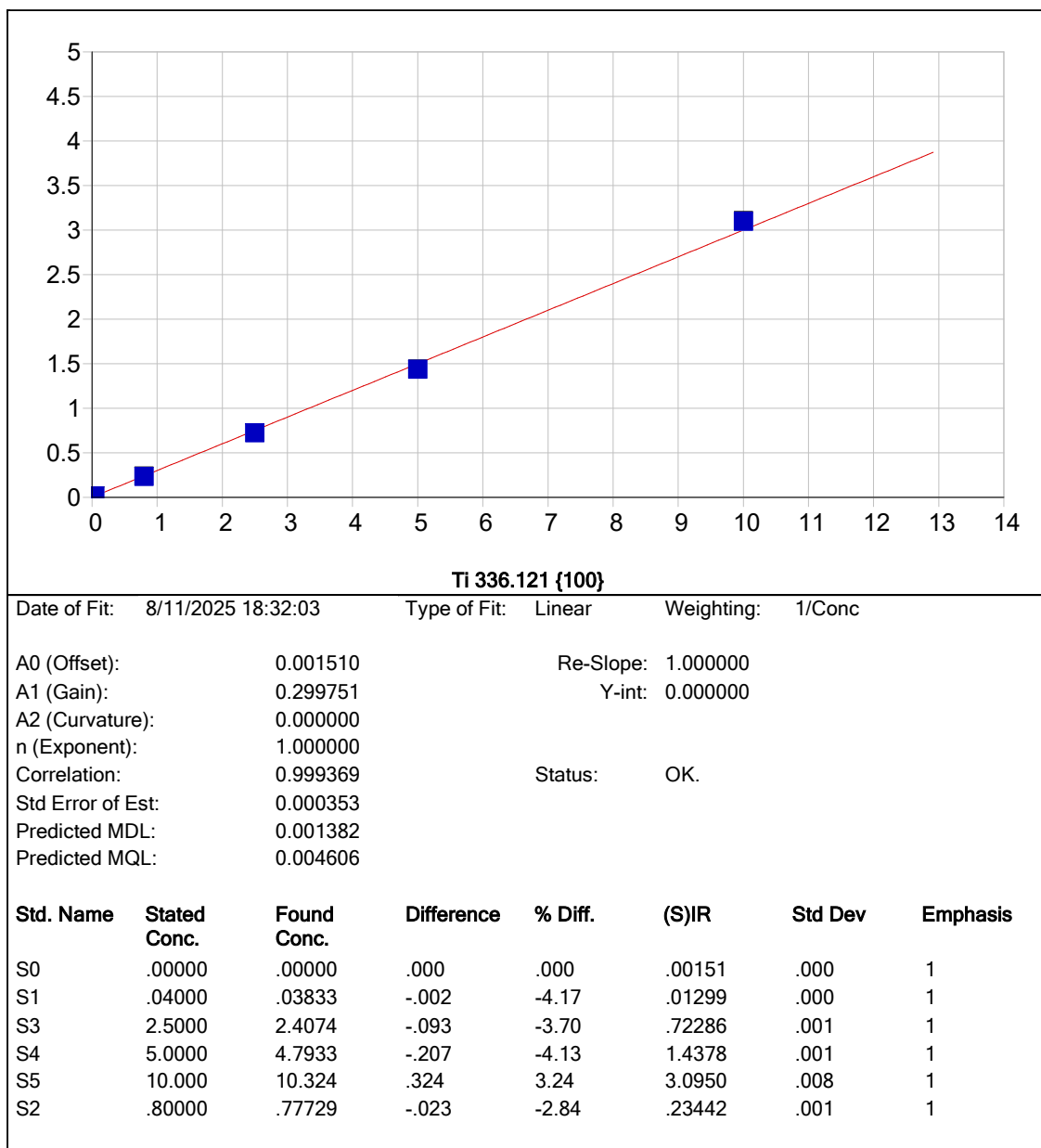
Mo 202.030 {467}

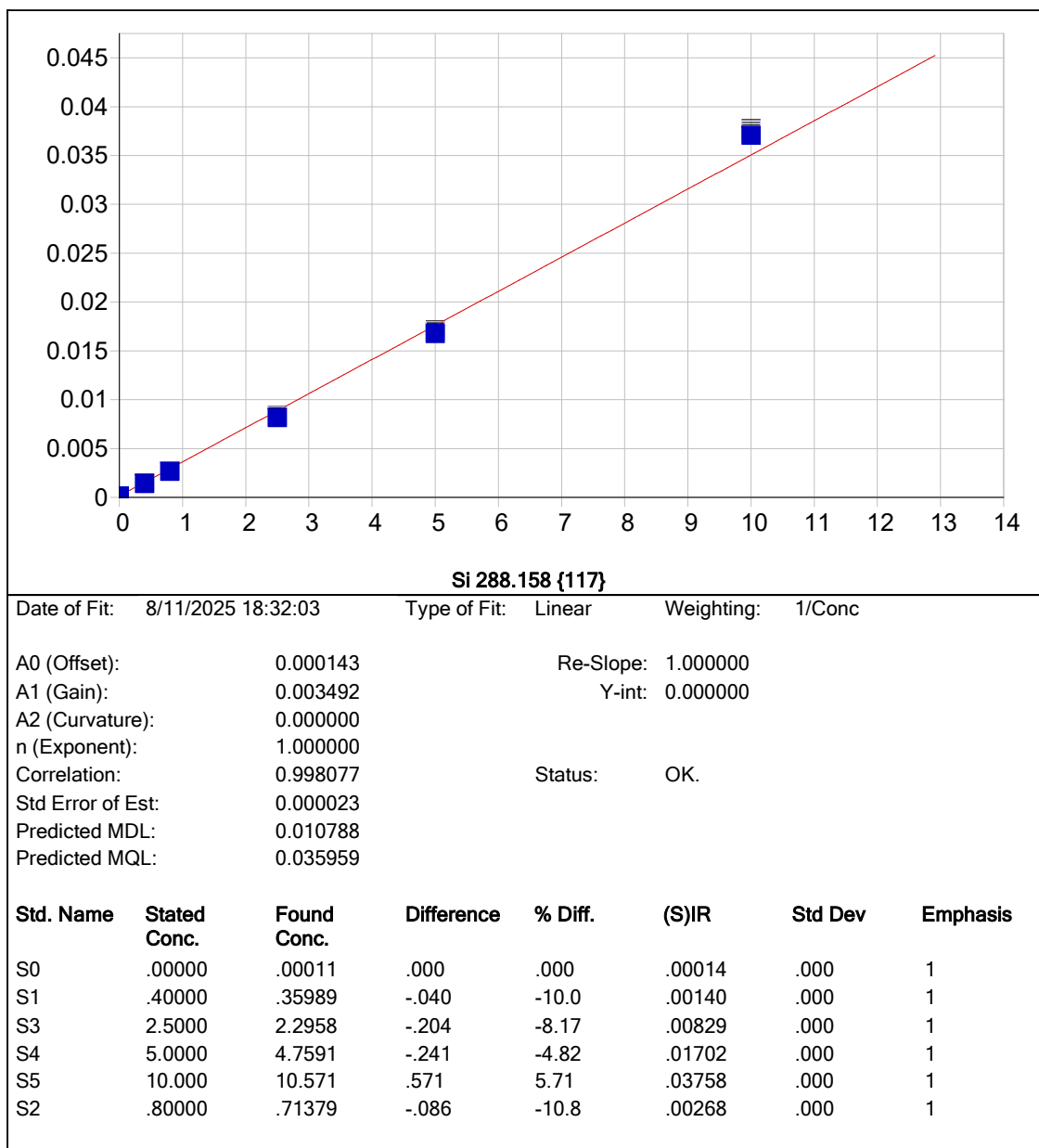
Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

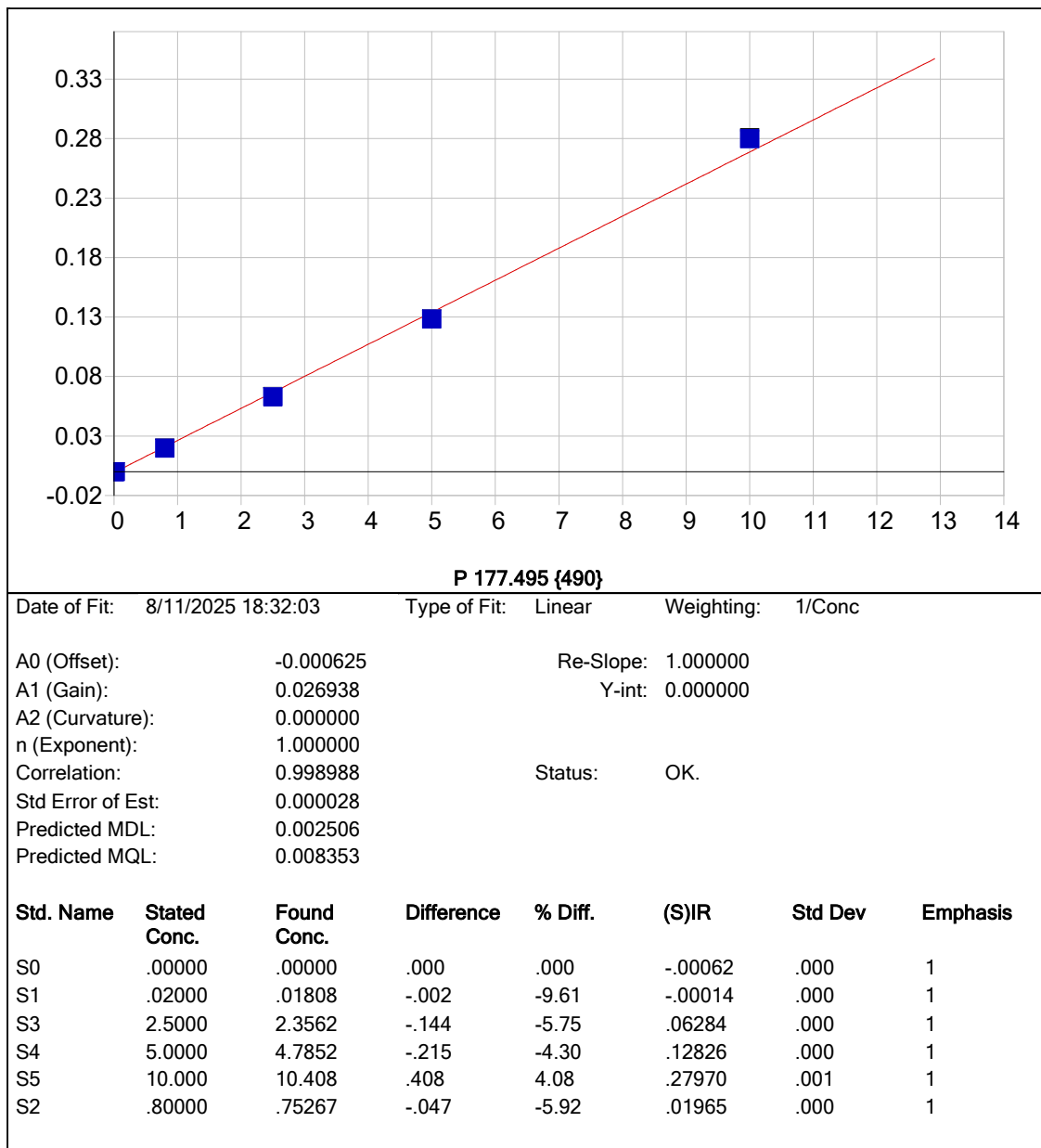
A0 (Offset): 0.000858 Re-Slope: 1.000000
A1 (Gain): 0.701473 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999660 Status: OK.
Std Error of Est: 0.001362
Predicted MDL: 0.000241
Predicted MQL: 0.000802

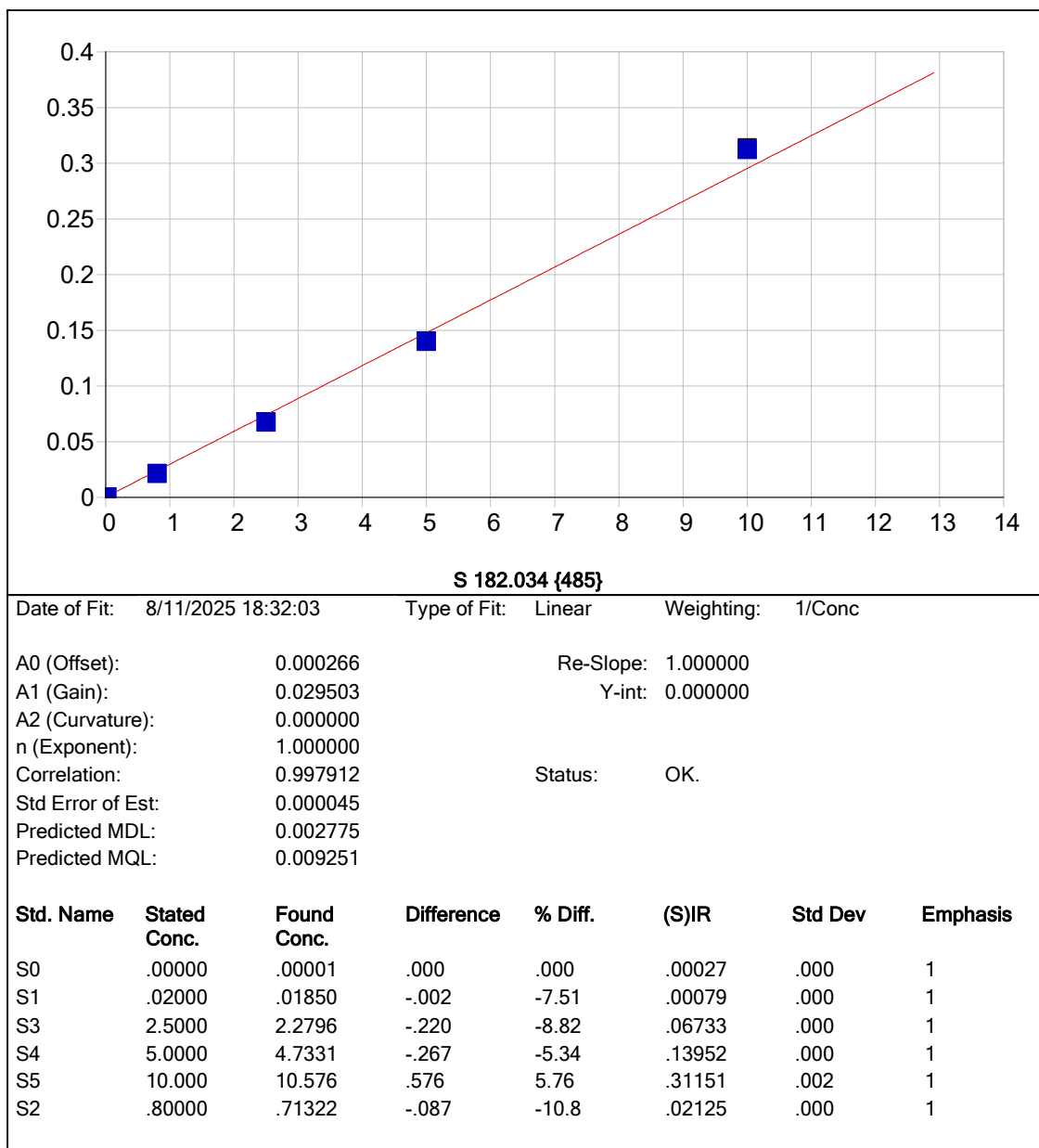
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00087	.000	1
S1	.20000	.19950	-.000	-.249	.14080	.001	1
S3	2.5000	2.4287	-.071	-2.85	1.7045	.002	1
S4	5.0000	4.8484	-.152	-3.03	3.4019	.009	1
S5	10.000	10.238	.238	2.38	7.1828	.017	1
S2	.80000	.78507	-.015	-1.87	.55156	.001	1

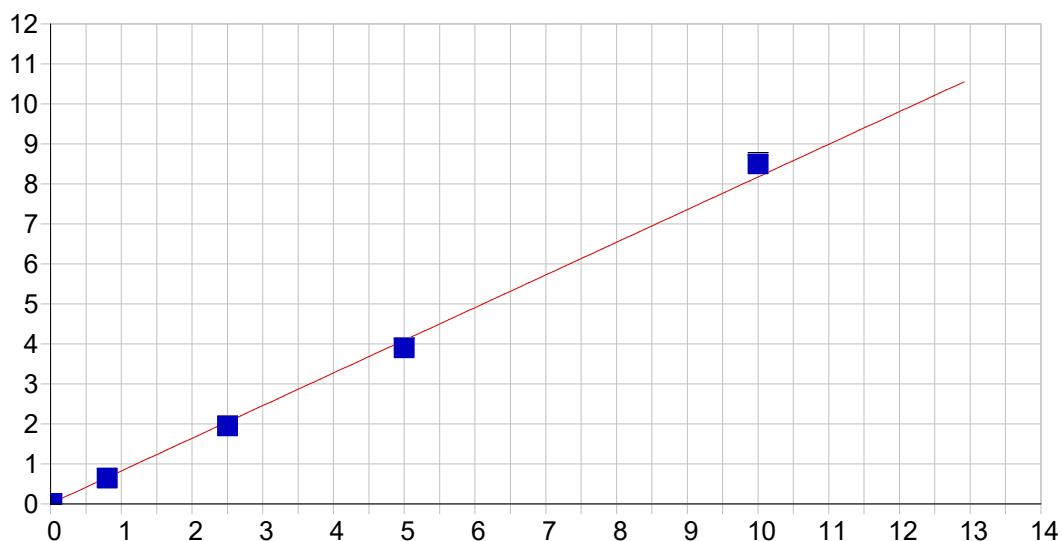










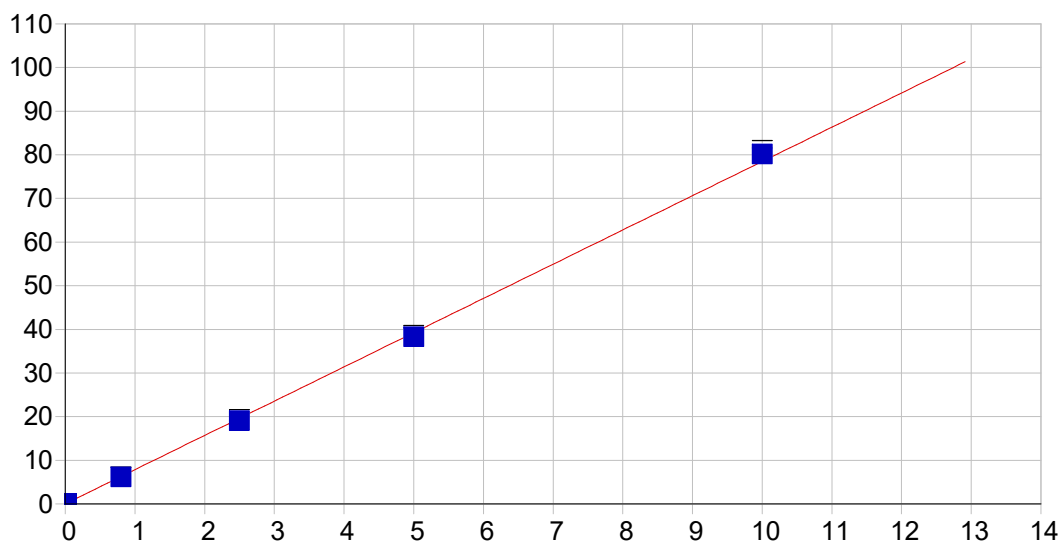


Li 670.784 { 50}

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008002 Re-Slope: 1.000000
A1 (Gain): 0.816591 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999082 Status: OK.
Std Error of Est: 0.000821
Predicted MDL: 0.001682
Predicted MQL: 0.005606

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00800	.002	1
S5	10.000	10.391	.391	3.91	8.4994	.040	1
S4	5.0000	4.7640	-.236	-4.72	3.9015	.006	1
S3	2.5000	2.3742	-.126	-5.03	1.9483	.003	1
S1	.02000	.01919	-.001	-4.07	.02396	.001	1
S2	.80000	.77204	-.028	-3.50	.63896	.003	1

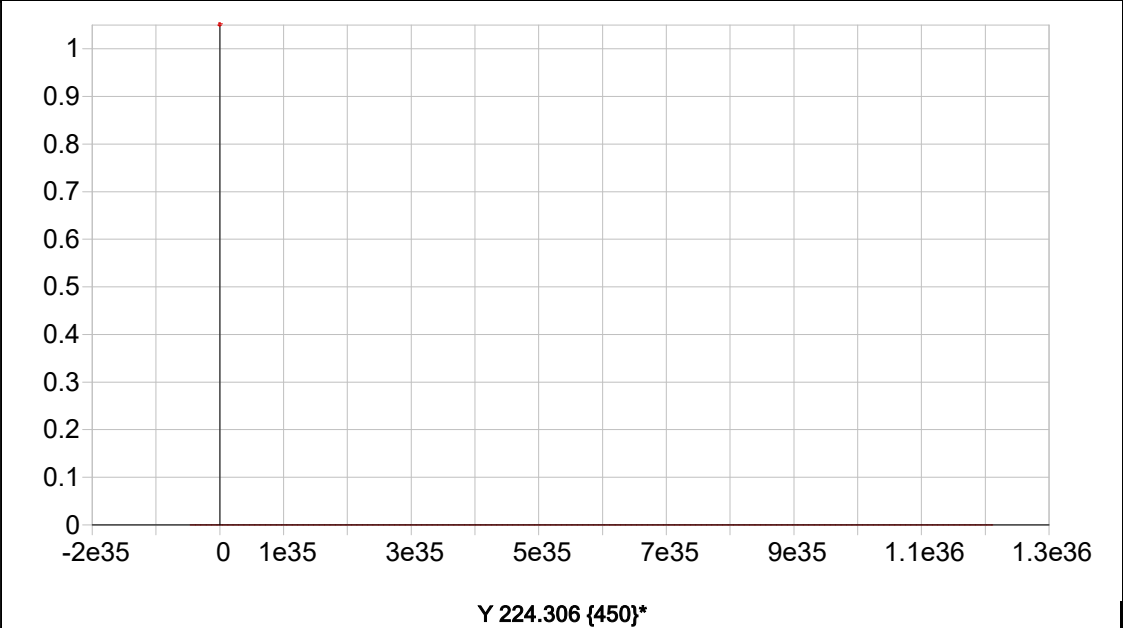


Sr 407.771 { 83 }

Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.003315	Re-Slope:	1.000000
A1 (Gain):	7.847077	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999729	Status:	OK.
Std Error of Est:	0.004288		
Predicted MDL:	0.000090		
Predicted MQL:	0.000298		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00333	.001	1
S1	.02000	.01908	-.001	-4.59	.15381	.000	1
S3	2.5000	2.4293	-.071	-2.83	19.085	.302	1
S4	5.0000	4.8764	-.124	-2.47	38.307	.311	1
S5	10.000	10.212	.212	2.12	80.215	.839	1
S2	.80000	.78290	-.017	-2.14	6.1528	.025	1



Date of Fit: 8/11/2025 18:32:03 Type of Fit: Linear Weighting: 1/Conc

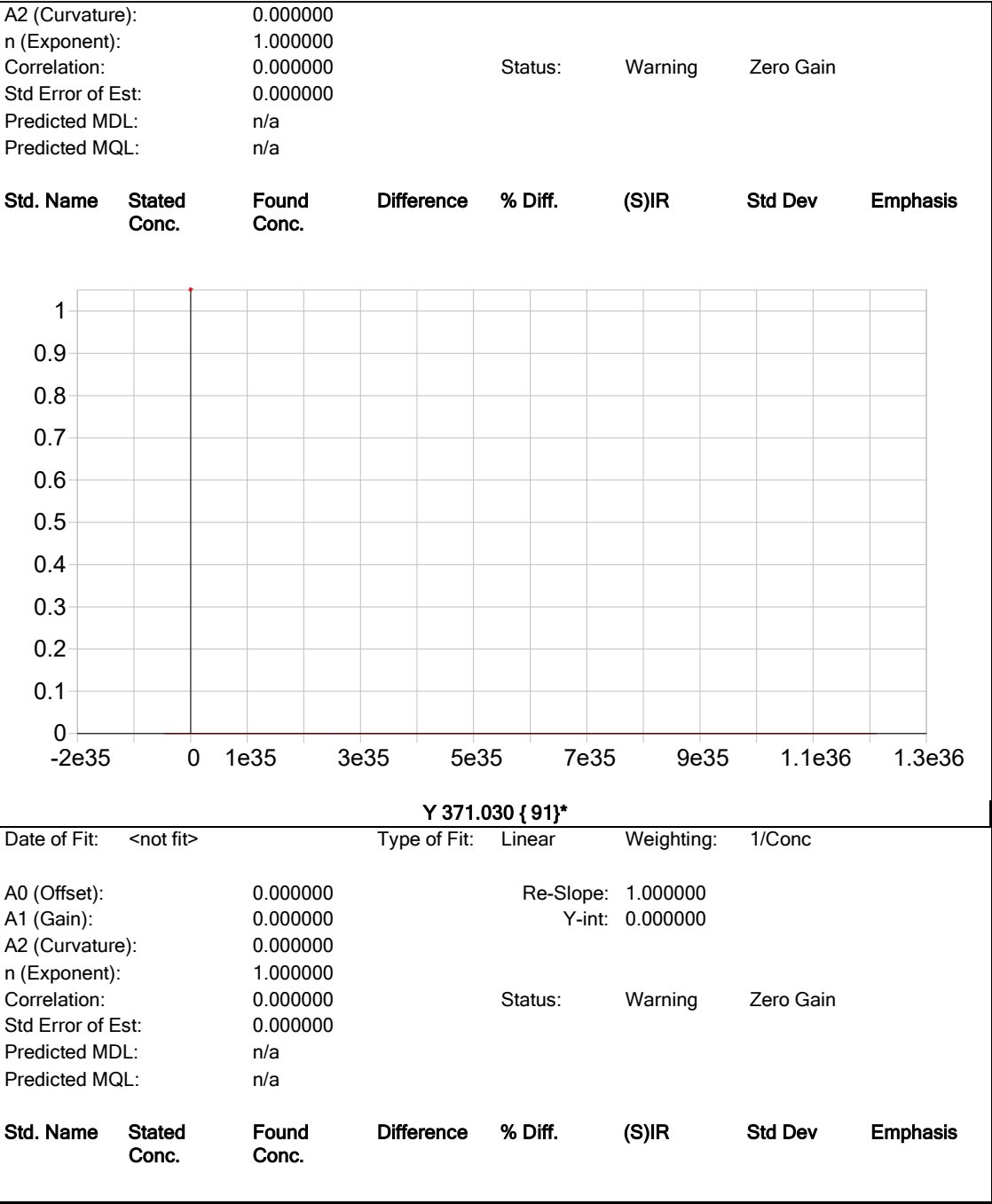
A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

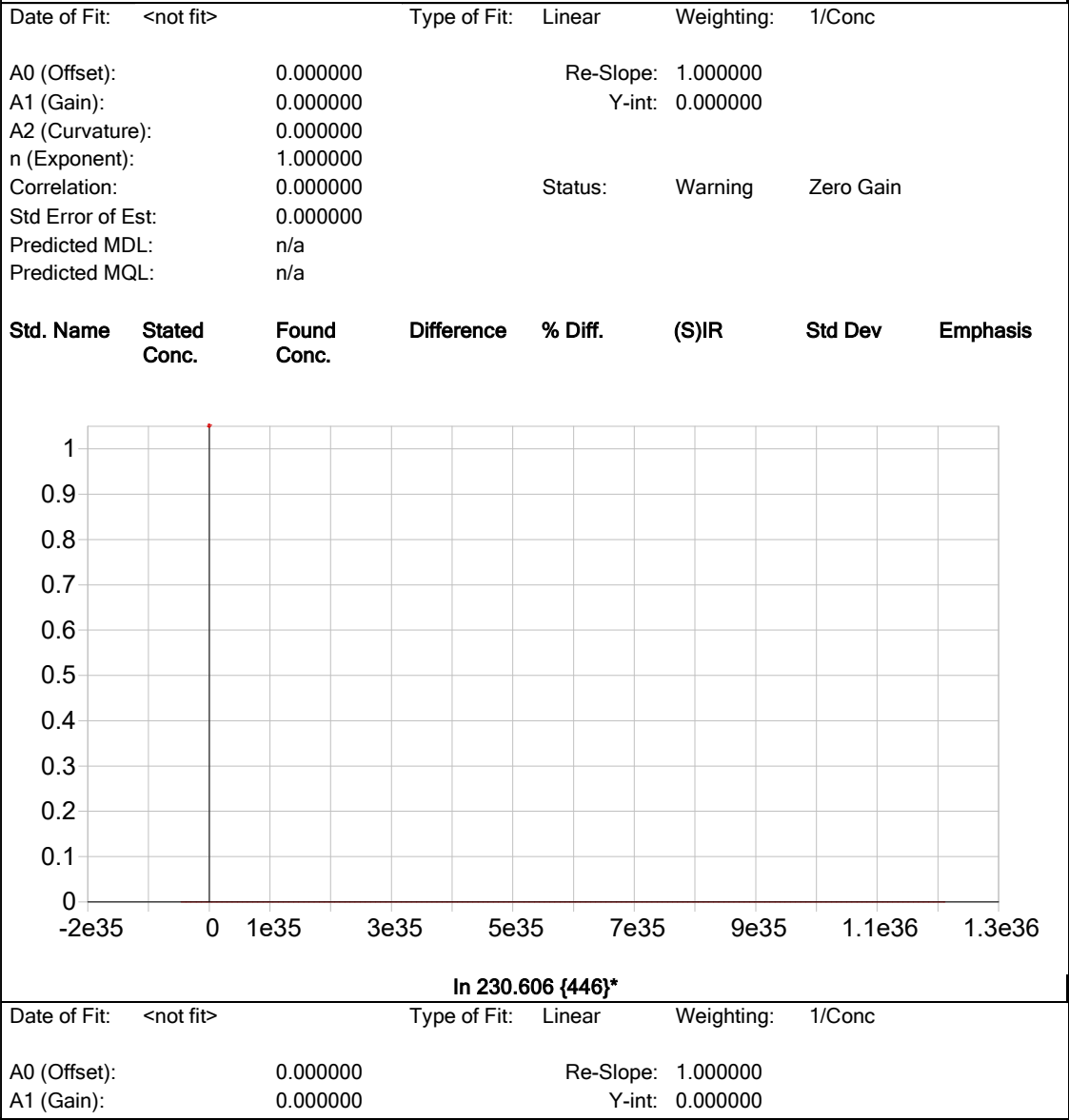
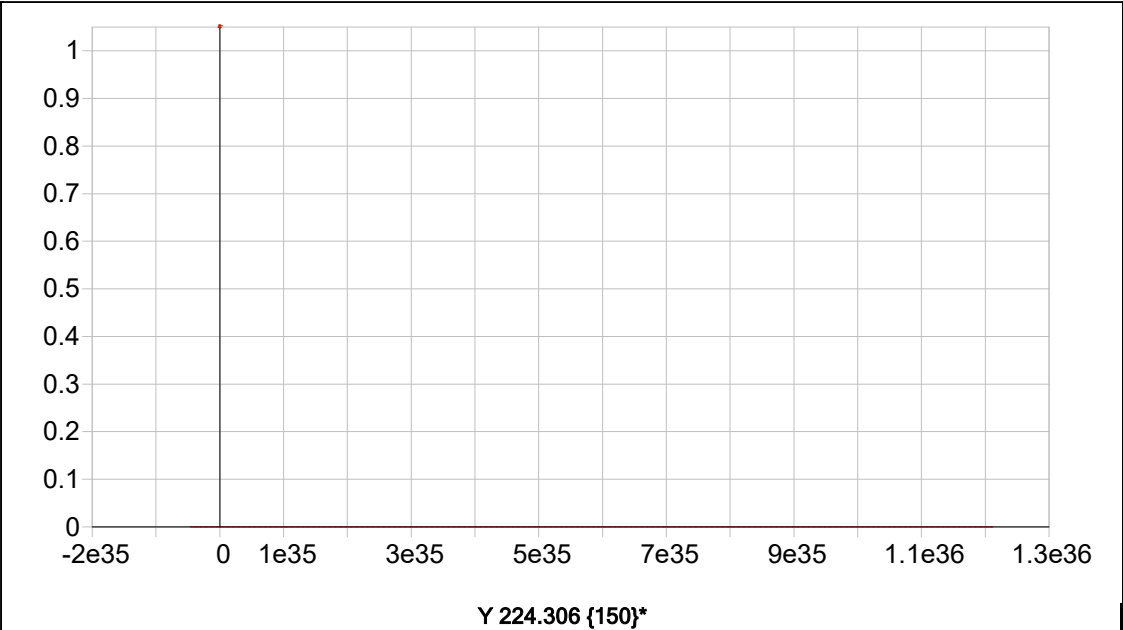
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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A scatter plot with a grid. The x-axis is labeled from -2e35 to 1.3e36 in increments of 1e35. The y-axis is labeled from 0 to 1 in increments of 0.1. A single data point is plotted at the coordinates (0, 1), marked with a red dot. The plot title is "Y 360.073 { 94}*".

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

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





A2 (Curvature):		0.000000		Status:	Warning	Zero Gain	
n (Exponent):		1.000000					
Correlation:		0.000000					
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

Sample Name: S0 Acquired: 8/11/2025 16:19:09 Type: Cal
Method: 6010-200.7 NEW(v90) 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	-.00002	.00109	.00008	.00029	.00040	.00063	.08717	-.00076
Stddev	.00003	.00008	.00009	.00005	.00010	.00070	.00152	.00007
%RSD	180.00	7.8287	112.74	17.298	25.130	111.59	1.7462	9.7381

#1	-.00005	.00102	.00013	.00029	.00051	.00119	.08873	-.00067
#2	.00001	.00106	-.00002	.00023	.00040	.00085	.08709	-.00081
#3	-.00002	.00118	.00014	.00033	.00030	-.00016	.08569	-.00079

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	-.00005	.00303	.00030	.00035	.00078	.00012	.00036	.00014
Stddev	.00013	.00032	.00002	.00010	.00020	.00001	.00013	.00028
%RSD	280.09	10.599	7.6296	29.671	25.379	7.5625	36.859	195.35

#1	.00010	.00267	.00032	.00027	.00095	.00013	.00037	.00006
#2	-.00011	.00330	.00028	.00031	.00056	.00011	.00048	.00045
#3	-.00013	.00310	.00029	.00047	.00081	.00012	.00022	-.00009

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	-.00015	-.00054	.00215	-.00018	.00696	.00018	.00573	.00087
Stddev	.00012	.00004	.00010	.00027	.00047	.00006	.00010	.00004
%RSD	82.151	7.5290	4.7615	153.67	6.7955	35.225	1.8000	4.6192

#1	-.00002	-.00049	.00214	.00014	.00737	.00011	.00584	.00082
#2	-.00016	-.00055	.00205	-.00033	.00706	.00020	.00570	.00088
#3	-.00026	-.00057	.00225	-.00033	.00644	.00023	.00564	.00090

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	.00030	.00151	.00014	-.00062	.00027	.00800	.00333	
Stddev	.00008	.00034	.00001	.00002	.00006	.00227	.00065	
%RSD	27.080	22.555	8.0708	2.7057	22.796	28.312	19.513	

#1	.00030	.00175	.00014	-.00061	.00032	.00735	.00395	
#2	.00022	.00167	.00016	-.00064	.00020	.01053	.00339	
#3	.00039	.00112	.00013	-.00063	.00028	.00614	.00266	

Sample Name: S0 Acquired: 8/11/2025 16:19:09 Type: Cal
Method: 6010-200.7 NEW(v90) 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	5963.9	103970.	11328.	4515.9	7585.9
Stddev	7.1	143.	29.	9.9	15.9
%RSD	.11890	.13706	.26038	.21833	.20975
#1	5956.0	103940.	11295.	4505.0	7567.9
#2	5965.8	103850.	11351.	4524.2	7598.3
#3	5969.8	104130.	11339.	4518.5	7591.4

Sample Name: S1 Acquired: 8/11/2025 16:23:31 Type: Cal
Method: 6010-200.7 NEW(v90) 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	.00372	.00244	.00141	.00526	.00841	.31765	.03972
Stddev	.00004	.00006	.00006	.00005	.00005	.00014	.00214	.00019
%RSD	4.0816	1.7160	2.6413	3.5248	.86966	1.7161	.67286	.48013
#1	.00099	.00373	.00239	.00144	.00531	.00847	.31955	.03958
#2	.00102	.00366	.00240	.00136	.00522	.00851	.31533	.03965
#3	.00094	.00378	.00251	.00145	.00524	.00824	.31805	.03994
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	.01748	.11966	.00234	.03151	.01489	.00043	.00923	.02501
Stddev	.00017	.00082	.00001	.00010	.00013	.00002	.00012	.00033
%RSD	.97505	.68744	.55590	.31358	.84321	3.8919	1.2583	1.3000
#1	.01767	.12031	.00234	.03162	.01491	.00041	.00930	.02488
#2	.01742	.11994	.00235	.03143	.01476	.00043	.00930	.02478
#3	.01735	.11873	.00233	.03148	.01500	.00044	.00910	.02539
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	.02439	.00139	.01524	.00466	.10359	.00948	.07229	.14080
Stddev	.00013	.00003	.00018	.00022	.00073	.00010	.00041	.00054
%RSD	.54416	2.0974	1.2064	4.6137	.70786	1.0545	.56239	.38220
#1	.02425	.00141	.01534	.00486	.10428	.00947	.07245	.14070
#2	.02452	.00136	.01536	.00470	.10367	.00939	.07182	.14032
#3	.02439	.00141	.01503	.00443	.10282	.00959	.07259	.14138
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	.00603	.01299	.00140	-.00014	.00079	.02396	.15381	
Stddev	.00012	.00030	.00004	.00005	.00002	.00066	.00031	
%RSD	1.9323	2.3287	2.6206	34.063	2.2565	2.7702	.19963	
#1	.00613	.01307	.00140	-.00014	.00080	.02468	.15415	
#2	.00590	.01266	.00137	-.00009	.00077	.02337	.15373	
#3	.00606	.01325	.00144	-.00018	.00079	.02381	.15355	

Sample Name: S1 Acquired: 8/11/2025 16:23:31 Type: Cal
Method: 6010-200.7 NEW(v90) 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	5809.3	101330.	11249.	4450.5	7190.8
Stddev	6.0	427.	51.	8.1	3.8
%RSD	.10390	.42138	.44895	.18224	.05288
#1	5805.2	101710.	11235.	4459.0	7186.8
#2	5816.3	100870.	11305.	4442.9	7191.1
#3	5806.6	101420.	11207.	4449.5	7194.4

Sample Name: S2 Acquired: 8/11/2025 16:27:53 Type: Cal
Method: 6010-200.7 NEW(v90) 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	.04123	.05139	.15585	.03851	.07558	.12619	3.8417	.27015
Stddev	.00008	.00117	.00037	.00022	.00012	.00074	.0203	.00100
%RSD	.19515	2.2723	.23604	.56679	.16469	.58945	.52891	.37006

#1	.04130	.05262	.15601	.03875	.07557	.12705	3.8205	.26921
#2	.04125	.05125	.15543	.03844	.07546	.12573	3.8610	.27120
#3	.04114	.05029	.15612	.03833	.07571	.12579	3.8434	.27003

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	1.1650	.23577	.03280	.40562	.13599	.00289	.16822	.04698
Stddev	.0019	.00105	.00010	.00030	.00022	.00001	.00116	.00023
%RSD	.16013	.44629	.30254	.07427	.16171	.40409	.68912	.48014

#1	1.1651	.23456	.03268	.40536	.13619	.00288	.16688	.04685
#2	1.1631	.23641	.03286	.40555	.13575	.00288	.16890	.04724
#3	1.1668	.23635	.03284	.40595	.13604	.00290	.16888	.04685

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	.23761	.04030	.02763	.05112	.98101	.01830	.56203	.55156
Stddev	.00041	.00004	.00018	.00069	.00440	.00011	.00200	.00065
%RSD	.17214	.10671	.64133	1.3443	.44813	.60128	.35578	.11787

#1	.23716	.04027	.02748	.05047	.97743	.01819	.56044	.55218
#2	.23772	.04028	.02783	.05104	.98592	.01841	.56427	.55088
#3	.23796	.04035	.02759	.05184	.97969	.01831	.56137	.55163

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	.11346	.23442	.00268	.01965	.02125	.63896	6.1528
Stddev	.00025	.00079	.00002	.00013	.00014	.00252	.0248
%RSD	.22157	.33547	.75605	.66206	.68132	.39394	.40352

#1	.11339	.23351	.00266	.01975	.02141	.63616	6.1265
#2	.11325	.23483	.00267	.01950	.02116	.63969	6.1758
#3	.11374	.23491	.00270	.01970	.02116	.64104	6.1562

Sample Name: S2 Acquired: 8/11/2025 16:27:53 Type: Cal
Method: 6010-200.7 NEW(v90) 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	5929.4	102250.	11117.	4464.1	7329.5
Stddev	6.6	164.	18.	12.6	11.1
%RSD	.11155	.16020	.16379	.28334	.15137
#1	5936.6	102310.	11133.	4468.7	7341.3
#2	5928.0	102370.	11097.	4473.8	7327.9
#3	5923.7	102060.	11120.	4449.8	7319.3

Sample Name: S3 Acquired: 8/11/2025 16:31:58 Type: Cal
Method: 6010-200.7 NEW(v90) 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	.12864	.16466	.48226	.12012	.23552	.39129	11.836	.82539
Stddev	.00009	.00137	.00167	.00019	.00018	.00033	.023	.00363
%RSD	.07212	.83190	.34710	.15416	.07824	.08483	.19440	.44021

#1	.12854	.16602	.48126	.11991	.23534	.39100	11.846	.82720
#2	.12865	.16328	.48132	.12025	.23571	.39123	11.810	.82776
#3	.12873	.16468	.48419	.12020	.23551	.39165	11.852	.82120

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	3.6521	.72151	.10116	1.2623	.41413	.00881	.51800	.14432
Stddev	.0085	.00136	.00027	.0027	.00033	.00007	.00023	.00041
%RSD	.23280	.18898	.26712	.20977	.07897	.78837	.04491	.28275

#1	3.6478	.72290	.10107	1.2611	.41406	.00881	.51813	.14388
#2	3.6466	.72018	.10094	1.2606	.41384	.00874	.51773	.14439
#3	3.6619	.72144	.10146	1.2654	.41449	.00888	.51814	.14469

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	.73717	.12520	.08404	.16003	2.9985	.05910	1.7005	1.7045
Stddev	.00155	.00016	.00047	.00036	.0059	.00011	.0058	.0018
%RSD	.20999	.12413	.55637	.22761	.19566	.18745	.34027	.10703

#1	.73605	.12516	.08397	.16017	2.9994	.05899	1.7013	1.7030
#2	.73651	.12507	.08361	.16030	2.9922	.05910	1.7059	1.7040
#3	.73893	.12537	.08454	.15961	3.0038	.05921	1.6944	1.7065

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	.35483	.72286	.00829	.06284	.06733	1.9483	19.085
Stddev	.00056	.00075	.00008	.00025	.00028	.0034	.302
%RSD	.15918	.10398	.93836	.40437	.41102	.17422	1.5835

#1	.35422	.72344	.00825	.06309	.06743	1.9512	18.968
#2	.35495	.72201	.00824	.06259	.06702	1.9446	19.429
#3	.35533	.72312	.00838	.06283	.06754	1.9493	18.859

Sample Name: S3 Acquired: 8/11/2025 16:31:58 Type: Cal
Method: 6010-200.7 NEW(v90) 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	5885.3	100480.	11207.	4381.5	7148.8
Stddev	2.1	224.	44.	18.8	7.5
%RSD	.03604	.22314	.39257	.42992	.10526
#1	5887.5	100250.	11177.	4370.5	7155.5
#2	5883.3	100690.	11187.	4403.3	7150.3
#3	5885.1	100510.	11257.	4370.8	7140.6

Sample Name: S4 Acquired: 8/11/2025 16:36:01 Type: Cal
Method: 6010-200.7 NEW(v90) 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	.26028	.33855	.96093	.24240	.47144	.77380	23.375	1.6113
Stddev	.00030	.01124	.00107	.00071	.00100	.00021	.174	.0100
%RSD	.11355	3.3190	.11142	.29338	.21111	.02728	.74648	.61925

#1	.25994	.32597	.96072	.24160	.47032	.77378	23.363	1.6223
#2	.26041	.34208	.95998	.24297	.47178	.77359	23.207	1.6029
#3	.26049	.34760	.96209	.24262	.47222	.77401	23.555	1.6086

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	7.4027	1.4183	.19935	2.5525	.81901	.01766	1.0223	.28634
Stddev	.0040	.0015	.00036	.0015	.00053	.00013	.0013	.00090
%RSD	.05405	.10373	.18236	.06087	.06428	.75351	.12457	.31314

#1	7.4020	1.4200	.19906	2.5539	.81854	.01750	1.0230	.28734
#2	7.3991	1.4175	.19923	2.5508	.81958	.01772	1.0208	.28560
#3	7.4070	1.4173	.19976	2.5528	.81890	.01774	1.0230	.28609

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	1.4855	.24996	.17282	.31908	5.9758	.12045	3.3223	3.4019
Stddev	.0007	.00014	.00122	.00028	.0019	.00103	.0207	.0088
%RSD	.04967	.05564	.70802	.08688	.03126	.85203	.62440	.25927

#1	1.4863	.24981	.17141	.31883	5.9748	.11931	3.3439	3.3917
#2	1.4848	.25000	.17362	.31904	5.9747	.12130	3.3025	3.4074
#3	1.4853	.25008	.17343	.31938	5.9780	.12075	3.3205	3.4066

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	.71129	1.4378	.01702	.12826	.13952	3.9015	38.307
Stddev	.00134	.0008	.00010	.00013	.00045	.0061	.311
%RSD	.18801	.05262	.57814	.10097	.32357	.15670	.81286

#1	.71049	1.4384	.01691	.12840	.13905	3.8997	38.638
#2	.71055	1.4380	.01706	.12815	.13956	3.9083	38.020
#3	.71283	1.4369	.01710	.12823	.13995	3.8965	38.262

Sample Name: S4 Acquired: 8/11/2025 16:36:01 Type: Cal
Method: 6010-200.7 NEW(v90) 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	5781.1	99607.	11280.	4332.8	6880.8
Stddev	10.3	71.	71.	7.7	8.2
%RSD	.17892	.07136	.62755	.17875	.11900
#1	5783.1	99688.	11200.	4327.1	6878.7
#2	5770.0	99573.	11335.	4329.6	6873.9
#3	5790.4	99559.	11304.	4341.6	6889.8

Sample Name: S5 Acquired: 8/11/2025 16:40:13 Type: Cal
Method: 6010-200.7 NEW(v90) 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	.55772	.71136	2.0844	.52002	1.0164	1.6630	51.080	3.3903
Stddev	.00268	.01314	.0056	.00188	.0030	.0070	.078	.0076
%RSD	.48001	1.8472	.26870	.36195	.29705	.42262	.15303	.22392

#1	.55584	.71799	2.0791	.51957	1.0143	1.6550	51.031	3.3816
#2	.55653	.69622	2.0840	.51840	1.0152	1.6658	51.039	3.3943
#3	.56078	.71986	2.0902	.52208	1.0199	1.6682	51.170	3.3951

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	15.947	3.0134	.41781	5.5259	1.7266	.03818	2.1774	.61221
Stddev	.032	.0056	.00031	.0134	.0039	.00002	.0088	.00044
%RSD	.20294	.18736	.07317	.24151	.22787	.06000	.40403	.07140

#1	15.923	3.0077	.41806	5.5162	1.7238	.03819	2.1679	.61174
#2	15.934	3.0189	.41747	5.5205	1.7249	.03820	2.1852	.61259
#3	15.984	3.0137	.41791	5.5412	1.7311	.03815	2.1792	.61231

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	3.2072	.53771	.38434	.68749	12.690	.26739	7.0322	7.1828
Stddev	.0080	.00080	.00121	.00188	.008	.00083	.0135	.0167
%RSD	.24790	.14839	.31606	.27324	.06540	.31011	.19219	.23194

#1	3.2005	.53783	.38294	.68534	12.683	.26645	7.0169	7.1807
#2	3.2050	.53686	.38511	.68826	12.687	.26801	7.0373	7.1672
#3	3.2160	.53844	.38498	.68885	12.699	.26772	7.0424	7.2003

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	1.5311	3.0950	.03758	.27970	.31151	8.4994	80.215	
Stddev	.0051	.0076	.00014	.00078	.00171	.0396	.839	
%RSD	.33352	.24686	.37923	.27811	.54891	.46585	1.0458	

#1	1.5275	3.0866	.03744	.27906	.31155	8.4569	79.371	
#2	1.5288	3.1015	.03759	.27947	.30978	8.5353	81.049	
#3	1.5369	3.0968	.03772	.28057	.31320	8.5062	80.226	

Sample Name: S5 Acquired: 8/11/2025 16:40:13 Type: Cal
Method: 6010-200.7 NEW(v90) 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	5581.1	97017.	11140.	4166.5	6477.0
Stddev	10.6	81.	7.	6.4	14.9
%RSD	.19046	.08393	.06077	.15430	.22959
#1	5587.1	96938.	11148.	4161.3	6488.1
#2	5587.3	97101.	11138.	4173.7	6482.8
#3	5568.8	97011.	11135.	4164.5	6460.1

Sample Name: ICV01 Acquired: 8/11/2025 16:44:24 Type: Unk
Method: 6010-200.7 NEW(v90) 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	3.823189	3.792754	3.968291	3.827125	3.949102	7.639916
Stddev	.004363	.078914	.003669	.011574	.015067	.020970
%RSD	.1141107	2.080643	.0924479	.3024219	.3815332	.2744838

#1	3.819608	3.883789	3.971727	3.822847	3.933006	7.655758
#2	3.821912	3.750674	3.968717	3.818299	3.951430	7.647854
#3	3.828048	3.743799	3.964427	3.840229	3.962869	7.616135

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.522548	1.1895714	1.896124	19.12728	7.7925741	1.934916
Stddev	.101933	.0012036	.001723	.08426	.0030118	.002669
%RSD	1.355035	.6348990	.0908522	.4405150	.3800016	.1379643

#1	7.623967	.1906288	1.897721	19.21544	.7891738	1.933376
#2	7.523569	.1898237	1.894299	19.11886	.7949062	1.933375
#3	7.420108	.1882617	1.896352	19.04756	.7936423	1.937999

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9893958	3.929059	1.912762	19.11862	1.936929	1.029706
Stddev	.0017566	.015034	.008450	.07914	.001231	.002096
%RSD	.1775385	.3826234	.4417557	.4139657	.0635367	.2035276

#1	.9877143	3.914289	1.915157	19.20234	1.936373	1.027307
#2	.9892544	3.928546	1.919755	19.10848	1.936075	1.030632
#3	.9912188	3.944342	1.903373	19.04503	1.938340	1.031179

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.66091	1.920981	1.923605	19.05108	3.711200	3.913688
Stddev	.14307	.006125	.008742	.08600	.030687	.007820
%RSD	.7666677	.3188588	.4544744	.4514103	.8268651	.1998132

#1	18.49574	1.919584	1.918599	18.95312	3.743895	3.907803
#2	18.74602	1.927684	1.918516	19.08596	3.706684	3.910699
#3	18.74098	1.915675	1.933700	19.11415	3.683022	3.922561

Sample Name: ICV01 Acquired: 8/11/2025 16:44:24 Type: Unk
Method: 6010-200.7 NEW(v90) 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	3.804580	3.807039	3.646245	F .0038440	F .0297571	F .0030459
Stddev	.006030	.010813	.031005	.0038407	.0003582	.0010927
%RSD	.1584799	.2840327	.8503301	99.91490	1.203877	35.87484
#1	3.811431	3.812774	3.610450	.0011339	.0300639	.0036296
#2	3.802231	3.813777	3.664723	.0082393	.0298440	.0017853
#3	3.800080	3.794567	3.663563	.0021589	.0293634	.0037227

Elem	Sr4077
Units	ppm
Avg	F -.003531
Stddev	.000095
%RSD	2.685642
#1	-.003439
#2	-.003526
#3	-.003629

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5765.850	100030.6	11576.04	4324.791	6953.299
Stddev	23.489	67.4	96.80	10.785	18.249
%RSD	.4073848	.0674157	.8362184	.2493650	.2624443
#1	5792.201	100048.3	11470.33	4335.482	6974.033
#2	5758.239	100087.4	11597.44	4324.975	6946.183
#3	5747.110	99956.1	11660.35	4313.915	6939.680

Sample Name: LLICV01 Acquired: 8/11/2025 16:49:25 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0193272	.0406581	.0124613	.0221933	.0515041	.1002061	.0963659
Stddev	.0018406	.0005332	.0007658	.0020868	.0021034	.0049519	.0003656
%RSD	9.523323	1.311497	6.145780	9.402980	4.083863	4.941730	.3793446

#1	.0214142	.0408590	.0121075	.0198082	.0533743	.0953502	.0967207
#2	.0179360	.0410617	.0133401	.0236833	.0519109	.1052488	.0959905
#3	.0186313	.0400536	.0119363	.0230882	.0492271	.1000192	.0963866

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059922	.0059431	2.026263	.0098523	.0295654	.0213329	.0843103
Stddev	.0000844	.0000640	.004156	.0001319	.0000495	.0002140	.0021735
%RSD	1.407938	1.076233	.2050829	1.338988	.1672718	1.003138	2.577925

#1	.0060560	.0059076	2.022928	.0099941	.0296218	.0212931	.0818882
#2	.0058966	.0060169	2.030918	.0098297	.0295296	.0211416	.0849521
#3	.0060241	.0059048	2.024943	.0097331	.0295447	.0215640	.0860906

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0226124	2.122581	.0399246	.0099431	1.768894	.0389164	.0412362
Stddev	.0005082	.014512	.0000867	.0002459	.027452	.0016335	.0003953
%RSD	2.247422	.6837055	.2170732	2.473445	1.551907	4.197496	.9586220

#1	.0226032	2.105885	.0398858	.0097826	1.747923	.0370356	.0416912
#2	.0231252	2.129689	.0400239	.0102263	1.799965	.0399801	.0409766
#3	.0221089	2.132169	.0398640	.0098205	1.758795	.0397336	.0410409

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.789570	.1014961	.2017666	.0393101	.0386195	.3525602	.0185759
Stddev	.028009	.0013993	.0005481	.0001611	.0013346	.0070291	.0016554
%RSD	1.565134	1.378680	.2716324	.4098126	3.455723	1.993736	8.911446

#1	1.760329	.1027239	.2011413	.0392188	.0401526	.3450142	.0166967
#2	1.816158	.0999726	.2021635	.0394961	.0377170	.3589220	.0198186
#3	1.792223	.1017918	.2019950	.0392154	.0379890	.3537444	.0192123

Sample Name: LLICV01 Acquired: 8/11/2025 16:49:25 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0180102	.0178187	.0203393
Stddev	.0014000	.0009549	.0000951
%RSD	7.773313	5.359008	.4678239

#1	.0165308	.0186436	.0203406
#2	.0181857	.0180398	.0204338
#3	.0193142	.0167726	.0202435

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5906.822	104132.7	11488.24	4424.157	7432.558
Stddev	14.779	430.5	119.47	15.396	10.506
%RSD	.2501987	.4134033	1.039936	.3480032	.1413578

#1	5905.730	104627.8	11382.09	4440.841	7430.274
#2	5892.619	103846.6	11617.62	4410.497	7423.381
#3	5922.116	103923.6	11465.00	4421.132	7444.018

Sample Name: ICB01 Acquired: 8/11/2025 16:54:03 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.000520	-.000038	.0000604	.0012899	.0015037	-.002667	-.002541
Stddev	.000245	.002863	.0002289	.0012565	.0012094	.004581	.001442
%RSD	47.07807	7480.295	378.7093	97.40873	80.42677	171.7822	56.74654

#1	-.000239	-.002604	-.000054	-.000151	.0002091	.000708	-.002220
#2	-.000686	-.000560	.000324	.002161	.0016976	-.000827	-.001287
#3	-.000635	.003050	-.000089	.001860	.0026044	-.007882	-.004117

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000536	-.000008	.0025129	-.000239	-.000012	-.000056	-.014539
Stddev	.0000449	.000035	.0042596	.000217	.000104	.000260	.004326
%RSD	83.75706	439.7006	169.5048	90.55513	859.4020	462.2146	29.75574

#1	.0000211	.000030	-.000654	-.000484	-.000100	.000126	-.017264
#2	.0000349	-.000040	.007356	-.000162	.000102	-.000354	-.016802
#3	.0001049	-.000014	.000837	-.000071	-.000038	.000059	-.009550

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003491	-.010603	.0002320	.0001146	-.018527	-.000232	.0022770
Stddev	.0001967	.009470	.0002396	.0004510	.025663	.000857	.0002796
%RSD	56.33323	89.31120	103.2808	393.6321	138.5170	369.3476	12.27755

#1	.0005545	-.016631	.0000791	.0004831	-.016510	.000741	.0023552
#2	.0001626	-.015491	.0005081	-.000388	-.045138	-.000877	.0019667
#3	.0003302	.000312	.0001088	.000249	.006068	-.000560	.0025092

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016430	.0030079	-.000040	.0011136	-.000855	.0043241	-.000560
Stddev	.0176730	.0009519	.000127	.0002437	.000755	.0025418	.000445
%RSD	1075.674	31.64822	314.0131	21.88248	88.37515	58.78228	79.41840

#1	.0101870	.0039906	-.000030	.0012594	-.001111	.0044422	-.001070
#2	-.018678	.0029431	-.000172	.0012491	-.000005	.0068048	-.000367
#3	.013420	.0020900	.000081	.0008323	-.001449	.0017253	-.000245

Sample Name: ICB01 Acquired: 8/11/2025 16:54:03 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0025385	-.000194	-.000174
Stddev	.0008382	.000986	.000039
%RSD	33.02009	509.0201	22.65132

#1	.0018575	.000509	-.000206
#2	.0034746	-.001320	-.000185
#3	.0022833	.000230	-.000130

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5859.195	103450.6	11449.42	4449.047	7384.583
Stddev	6.614	320.8	76.35	11.014	14.926
%RSD	.1128803	.3100867	.6668413	.2475527	.2021193

#1	5852.388	103080.8	11368.80	4439.609	7367.760
#2	5859.597	103653.3	11458.82	4461.148	7389.752
#3	5865.598	103617.8	11520.63	4446.383	7396.238

Sample Name: CRI01 Acquired: 8/11/2025 16:58:22 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0182384	.0382725	.0114338	.0216939	.0493698	.0931926	.0924075
Stddev	.0027281	.0009497	.0006480	.0009877	.0005665	.0050581	.0002981
%RSD	14.95811	2.481474	5.667226	4.553066	1.147460	5.427611	.3226374

#1	.0160164	.0393682	.0121598	.0225437	.0489455	.0966298	.0925180
#2	.0174155	.0377624	.0112277	.0206102	.0500131	.0873845	.0920699
#3	.0212832	.0376867	.0109140	.0219278	.0491507	.0955634	.0926347

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059574	.0055529	1.986173	.0096312	.0289639	.0206728	.0836677
Stddev	.0000492	.0000274	.010138	.0002254	.0001553	.0005389	.0048134
%RSD	.8256057	.4930048	.5104253	2.339930	.5362582	2.606898	5.753032

#1	.0059857	.0055284	1.993840	.0097336	.0291305	.0212796	.0792756
#2	.0059006	.0055824	1.990000	.0093728	.0288230	.0202497	.0888136
#3	.0059859	.0055477	1.974679	.0097871	.0289382	.0204892	.0829139

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0210481	2.072771	.0389875	.0096452	1.782345	.0361439	.0394225
Stddev	.0002058	.006730	.0003168	.0004830	.012140	.0003056	.0001005
%RSD	.9780122	.3246639	.8126958	5.007261	.6811475	.8454621	.2548290

#1	.0208351	2.066271	.0393326	.0096014	1.776105	.0364366	.0395068
#2	.0210634	2.072335	.0389203	.0091857	1.774594	.0361683	.0394495
#3	.0212459	2.079709	.0387097	.0101486	1.796337	.0358269	.0393114

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.846688	.0990964	.2013851	.0381085	.0361847	.3578565	.0171538
Stddev	.041973	.0005097	.0006534	.0003496	.0016184	.0082294	.0026957
%RSD	2.272899	.5143140	.3244379	.9173071	4.472611	2.299650	15.71507

#1	1.810123	.0994815	.2006826	.0382094	.0346360	.3657718	.0171331
#2	1.892521	.0985184	.2019746	.0383965	.0378648	.3584524	.0144685
#3	1.837420	.0992892	.2014982	.0377195	.0360535	.3493453	.0198598

Sample Name: CRI01 Acquired: 8/11/2025 16:58:22 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0148011	.0172413	.0192393
Stddev	.0008029	.0000088	.0000465
%RSD	5.424848	.0512400	.2415815

#1	.0153536	.0172411	.0192527
#2	.0138800	.0172325	.0192776
#3	.0151697	.0172502	.0191876

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5903.184	103679.5	11551.17	4437.507	7412.635
Stddev	9.746	106.7	14.57	10.141	7.254
%RSD	.1651013	.1028855	.1261275	.2285272	.0978627

#1	5902.185	103786.8	11567.98	4436.900	7411.485
#2	5893.976	103678.4	11542.07	4447.937	7406.024
#3	5913.391	103573.4	11543.47	4427.683	7420.395

Sample Name: ICSA01 Acquired: 8/11/2025 17:02:36 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0099573	.0033407	-.006749	.0051938	-.002608	237.7428
Stddev	.0033044	.0012849	.001751	.0029487	.002443	.0564
%RSD	33.18527	38.46280	25.95109	56.77287	93.70599	.0237329

#1	.0135362	.0041117	-.005931	.0021719	-.003144	237.8013
#2	.0070222	.0018574	-.005555	.0053461	-.004738	237.6887
#3	.0093136	.0040531	-.008759	.0080633	.000059	237.7384

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001520	.0012859	.0019152	227.2125	.0568422	.0017036
Stddev	.001170	.0000806	.0000460	.3107	.0001140	.0002566
%RSD	76.94480	6.271361	2.402711	.1367367	.2004948	15.06515

#1	-.000608	.0011966	.0019555	227.4382	.0568630	.0014308
#2	-.002839	.0013075	.0018651	226.8581	.0567192	.0017396
#3	-.001113	.0013535	.0019252	227.3412	.0569443	.0019402

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000680	97.44913	.0091276	239.7171	.0052475	.0017682
Stddev	.000611	.50975	.0002534	.7434	.0005755	.0008170
%RSD	89.86909	.5230945	2.775909	.3101147	10.96662	46.20330

#1	-.000853	97.06539	.0094057	239.6987	.0053596	.0012422
#2	-.001185	98.02753	.0090673	238.9831	.0046242	.0027094
#3	-.000001	97.25448	.0089099	240.4696	.0057586	.0013530

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1031196	.0021542	.0021372	.0923462	.0318949	.0004408
Stddev	.0098228	.0014696	.0002453	.0235304	.0017460	.0004258
%RSD	9.525594	68.22038	11.47871	25.48065	5.474302	96.60422

#1	.0926794	.0030294	.0018651	.0732772	.0304386	.0004253
#2	.1045008	.0004575	.0023415	.0851189	.0338305	.0008742
#3	.1121787	.0029756	.0022050	.1186426	.0314155	.0000230

Sample Name: ICSA01 Acquired: 8/11/2025 17:02:36 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.002795	-.006344	.0200433	.0080835	-.007840	F -.027224
Stddev	.000571	.000734	.0047415	.0043914	.002593	.000773
%RSD	20.43297	11.57358	23.65643	54.32591	33.07200	2.837667

#1	-.003190	-.006215	.0221798	.0104739	-.009137	-.026438
#2	-.003056	-.005682	.0146094	.0030154	-.009528	-.027251
#3	-.002140	-.007134	.0233406	.0107612	-.004854	-.027983

Elem	Sr4077
Units	ppm
Avg	.0005467
Stddev	.0003728
%RSD	68.19632

#1	.0009768
#2	.0003167
#3	.0003465

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5290.170	90894.40	11215.83	3988.409	6082.158
Stddev	3.470	104.35	67.16	10.222	2.048
%RSD	.0655971	.1148002	.5987856	.2563011	.0336694

#1	5286.237	91009.23	11164.23	3979.865	6080.231
#2	5292.802	90868.58	11291.76	3999.734	6081.935
#3	5291.470	90805.38	11191.49	3985.628	6084.308

Sample Name: ICSAB01 Acquired: 8/11/2025 17:06:48 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.1034765	.1076761	.0388756	.0511823	.5794260	236.1917
Stddev	.0028345	.0022113	.0019500	.0019333	.0031403	.5368
%RSD	2.739320	2.053682	5.016107	3.777202	.5419668	.2272874

#1	.1008360	.1095907	.0370135	.0522174	.5776436	235.9845
#2	.1064717	.1081819	.0387101	.0523775	.5830519	235.7894
#3	.1031217	.1052557	.0409031	.0489518	.5775824	236.8013

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4641960	.4636596	.9450663	225.3088	.5343433	.4768355
Stddev	.0011805	.0021975	.0017952	.4620	.0010219	.0009953
%RSD	.2543192	.4739504	.1899566	.2050508	.1912374	.2087212

#1	.4652381	.4641686	.9431366	225.5470	.5350621	.4757302
#2	.4629139	.4612523	.9453756	224.7763	.5331735	.4771155
#3	.4644360	.4655580	.9466869	225.6031	.5347943	.4776607

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4633547	97.86339	.4707643	238.1925	.9491282	.2067365
Stddev	.0007017	.30566	.0018809	.5710	.0023873	.0007015
%RSD	.1514333	.3123303	.3995390	.2397220	.2515277	.3393244

#1	.4625609	98.21597	.4703113	238.3879	.9463723	.2073076
#2	.4636112	97.67314	.4691512	237.5495	.9504535	.2059535
#3	.4638921	97.70106	.4728303	238.6402	.9505589	.2069486

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0457270	.4584531	.9871384	-.010287	F .8230100	.9136288
Stddev	.0206094	.0024336	.0011767	.032250	.0078853	.0189011
%RSD	45.07051	.5308268	.1192008	313.4861	.9581061	2.068797

#1	.0549830	.4573373	.9859291	.009502	.8166283	.8943359
#2	.0221124	.4567775	.9872066	.007137	.8205765	.9144385
#3	.0600856	.4612445	.9882795	-.047501	.8318252	.9321121

Sample Name: ICSAB01 Acquired: 8/11/2025 17:06:48 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.8975367	F .8210786	.8507475	F .0074286	F -.002678	F -.029091
Stddev	.0191125	.0038317	.0084853	.0006996	.004532	.000905
%RSD	2.129437	.4666634	.9973917	9.417573	169.2471	3.111346
#1	.8783846	.8212774	.8605156	.0072205	-.001577	-.030126
#2	.8976161	.8171514	.8452012	.0068567	-.007658	-.028449
#3	.9166093	.8248070	.8465257	.0082086	.001203	-.028697

Elem	Sr4077
Units	ppm
Avg	F -.000346
Stddev	.000041
%RSD	11.78951
#1	-.000310
#2	-.000390
#3	-.000338

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5326.826	91282.33	11345.62	3973.606	6140.512
Stddev	6.704	217.12	49.94	18.182	9.965
%RSD	.1258465	.2378568	.4402013	.4575805	.1622852
#1	5326.305	91181.12	11339.14	3954.684	6139.918
#2	5320.398	91531.58	11398.48	3990.946	6130.857
#3	5333.775	91134.29	11299.22	3975.187	6150.761

Sample Name: ICSADLX20 Acquired: 8/11/2025 17:10:49 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.001248	.0011226	-.000487	.0015372	.0008572	11.68747	-.003012
Stddev	.002073	.0008944	.001038	.0006863	.0013250	.01628	.001111
%RSD	166.1369	79.67901	213.0094	44.64758	154.5763	.1392995	36.89408

#1	-.000540	.0020581	.000638	.0010395	.0021959	11.68334	-.001734
#2	-.003582	.0010338	-.000693	.0012519	-.000454	11.67365	-.003551
#3	.000379	.0002758	-.001407	.0023202	.000829	11.70542	-.003750

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001739	.0000189	11.63884	.0026164	-.000080	-.000030	4.579321
Stddev	.0000628	.0000484	.02697	.0001025	.000161	.000218	.015531
%RSD	36.13704	256.5368	.2317325	3.917270	200.9253	737.1601	.3391489

#1	.0001723	-.000035	11.64299	.0027248	.000104	-.000115	4.566911
#2	.0002376	.000032	11.66350	.0025210	-.000147	.000218	4.596737
#3	.0001119	.000059	11.61004	.0026034	-.000197	-.000192	4.574315

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002943	12.11622	-.000006	-.000117	-.060678	.0001500	-.000122
Stddev	.0001766	.01062	.000297	.000341	.004176	.0009814	.000095
%RSD	59.98459	.0876119	5187.746	292.4703	6.881905	654.1319	78.15937

#1	.0002488	12.12761	-.000349	-.000121	-.058743	.0007373	-.000105
#2	.0001450	12.10659	.000173	-.000455	-.057821	-.000983	-.000224
#3	.0004892	12.11447	.000159	.000227	-.065471	.000696	-.000036

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.123113	-.002659	-.000290	.0000991	-.000738	.0092011	-.001659
Stddev	.027191	.000392	.000135	.0001667	.001078	.0102568	.001654
%RSD	22.08594	14.75246	46.52607	168.1299	145.9490	111.4737	99.72776

#1	-.118870	-.003028	-.000261	.0000652	.000103	.0142715	-.000252
#2	-.152176	-.002247	-.000436	-.000048	-.001953	.0159353	-.003481
#3	-.098293	-.002704	-.000172	.000280	-.000365	-.002603	-.001244

Sample Name: ICSADLX20 Acquired: 8/11/2025 17:10:49 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.002221	-.006089	-.000118
Stddev	.000472	.000736	.000023
%RSD	21.27008	12.08143	19.39951

#1	-.001841	-.006880	-.000094
#2	-.002072	-.005425	-.000120
#3	-.002750	-.005964	-.000139

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5796.107	101535.5	11339.13	4391.200	7189.125
Stddev	13.673	251.6	25.38	11.067	5.826
%RSD	.2359067	.2478044	.2238702	.2520367	.0810397

#1	5805.052	101373.2	11331.03	4399.596	7194.039
#2	5802.901	101408.0	11367.58	4395.345	7190.646
#3	5780.367	101825.3	11318.79	4378.658	7182.689

Sample Name: ICSABDLX20 Acquired: 8/11/2025 17:15:06 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0055474	.0067206	.0014606	.0034784	.0284537	11.73579	.0196463
Stddev	.0011881	.0018351	.0005407	.0027422	.0005182	.04349	.0009423
%RSD	21.41774	27.30550	37.02096	78.83676	1.821264	.3705721	4.796298

#1	.0056974	.0051875	.0012553	.0057534	.0280354	11.71257	.0207337
#2	.0042914	.0062204	.0020740	.0004335	.0282923	11.70883	.0190692
#3	.0066534	.0087539	.0010527	.0042482	.0290334	11.78596	.0191361

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0242692	.0468542	11.68817	.0274859	.0235315	.0248518	4.679591
Stddev	.0001604	.0000254	.06766	.0004995	.0002276	.0003117	.014598
%RSD	.6608943	.0541779	.5788596	1.817405	.9669905	1.254166	.3119403

#1	.0244354	.0468380	11.70385	.0271109	.0235478	.0244925	4.669524
#2	.0242569	.0468412	11.61405	.0272937	.0232963	.0250134	4.672917
#3	.0241153	.0468835	11.74661	.0280529	.0237505	.0250495	4.696333

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0246960	12.15209	.0475960	.0097140	-.084464	.0217290	.0478598
Stddev	.0002873	.04054	.0000578	.0003173	.008106	.0012473	.0001816
%RSD	1.163506	.3335861	.1213646	3.266735	9.596382	5.740287	.3794344

#1	.0250048	12.13677	.0476601	.0099758	-.089762	.0203913	.0479654
#2	.0246467	12.12144	.0475481	.0098052	-.088497	.0228602	.0476501
#3	.0244365	12.19805	.0475798	.0093611	-.075133	.0219354	.0479639

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.134821	.0478687	.0529165	.0504367	.0501527	.0614446	.0007121
Stddev	.032970	.0007336	.0003849	.0005855	.0013647	.0076584	.0007621
%RSD	24.45447	1.532533	.7274532	1.160921	2.721141	12.46393	107.0189

#1	-.168192	.0479099	.0531230	.0510891	.0517088	.0629402	.0009609
#2	-.102268	.0471153	.0524724	.0499568	.0495898	.0682449	.0013187
#3	-.134001	.0485808	.0531541	.0502642	.0491593	.0531488	-.000143

Sample Name: ICSABDLX20 Acquired: 8/11/2025 17:15:06 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.003488	-.006014	-.000195
Stddev	.000918	.001815	.000063
%RSD	26.31610	30.17123	32.30954

#1	-.003039	-.005392	-.000227
#2	-.004544	-.004593	-.000123
#3	-.002881	-.008059	-.000237

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5771.992	100032.4	11421.83	4373.293	7124.314
Stddev	8.323	307.6	81.72	23.545	11.967
%RSD	.1441993	.3074866	.7154563	.5383725	.1679724

#1	5772.291	100116.7	11352.74	4346.506	7125.371
#2	5780.161	100289.1	11512.03	4390.709	7135.718
#3	5763.523	99691.5	11400.71	4382.665	7111.854

Sample Name: CCV01 Acquired: 8/11/2025 17:19:18 Type: Unk
Method: 6010-200.7 NEW(v90) 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	4.945025	4.884199	4.839102	4.946836	4.890499	9.604358	9.490171
Stddev	.022663	.045931	.015596	.017432	.011721	.022124	.174457
%RSD	.4583054	.9404014	.3222858	.3523845	.2396750	.2303581	1.838288

#1	4.926435	4.832930	4.833249	4.927363	4.881242	9.580856	9.418851
#2	4.938369	4.921593	4.827278	4.952159	4.886576	9.624783	9.688989
#3	4.970271	4.898073	4.856777	4.960986	4.903678	9.607435	9.362674

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2388714	2.444038	23.98855	.9720986	2.428213	1.237712	4.850584
Stddev	.0026331	.005247	.02954	.0024159	.005514	.002741	.065593
%RSD	1.102294	.2146930	.1231613	.2485224	.2270839	.2214729	1.352264

#1	.2358389	2.442898	23.96669	.9738998	2.426138	1.236727	4.924263
#2	.2405785	2.439455	24.02216	.9693532	2.424036	1.235599	4.798548
#3	.2401967	2.449762	23.97679	.9730427	2.434463	1.240809	4.828940

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.400595	23.85160	2.443374	1.206454	24.11335	2.409314	2.436321
Stddev	.006448	.11428	.005661	.001271	.33419	.006662	.006301
%RSD	.2686004	.4791438	.2316864	.1053125	1.385918	.2765092	.2586370

#1	2.401733	23.73038	2.440877	1.206189	24.48113	2.403469	2.438618
#2	2.393654	23.95737	2.439392	1.205337	23.82828	2.416568	2.441152
#3	2.406398	23.86706	2.449855	1.207836	24.03064	2.407906	2.429194

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.99550	4.763648	4.911540	4.876549	4.797872	4.840254	4.898428
Stddev	.26998	.054717	.010815	.013527	.006357	.033477	.017660
%RSD	1.125132	1.148643	.2201890	.2773917	.1324913	.6916458	.3605168

#1	24.30627	4.700952	4.903524	4.872127	4.803779	4.876774	4.917329
#2	23.81881	4.801770	4.907255	4.865786	4.791145	4.811019	4.895603
#3	23.86142	4.788222	4.923840	4.891734	4.798691	4.832971	4.882351

Sample Name: CCV01 Acquired: 8/11/2025 17:19:18 Type: Unk
Method: 6010-200.7 NEW(v90) 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	4.868460	4.747737	4.880364
Stddev	.014747	.014377	.097554
%RSD	.3029081	.3028177	1.998900

#1	4.858468	4.755685	4.772026
#2	4.861516	4.731140	4.961250
#3	4.885398	4.756384	4.907817

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5632.981	99676.91	11494.16	4286.208	6690.036
Stddev	8.708	386.01	89.30	12.291	7.936
%RSD	.1545814	.3872661	.7768881	.2867592	.1186226

#1	5637.459	99235.47	11594.37	4273.096	6693.362
#2	5638.537	99844.19	11423.02	4288.060	6695.766
#3	5622.945	99951.06	11465.09	4297.468	6680.978

Sample Name: CCB01 Acquired: 8/11/2025 17:23:29 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.001829	-.000749	.0001979	.0022283	.0018598	-.001315	-.002363
Stddev	.001132	.001339	.0004917	.0013459	.0018671	.005923	.001076
%RSD	61.91280	178.7523	248.4526	60.40192	100.3933	450.5960	45.51647

#1	-.001302	-.002290	.0006587	.0007219	.0001561	-.001689	-.003131
#2	-.001056	-.000085	-.000320	.0033125	.0015674	.004787	-.002824
#3	-.003128	.000128	.000255	.0026505	.0038558	-.007042	-.001134

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000414	-.000020	-.012283	-.000061	.0001416	.0000030	-.018980
Stddev	.0000598	.000045	.015590	.000166	.0000888	.0002044	.004806
%RSD	144.3247	221.7071	126.9275	270.7191	62.69759	6927.256	25.31930

#1	.0001080	.000013	-.005809	.000129	.0000607	.0002078	-.024505
#2	.0000237	-.000002	-.000972	-.000175	.0001275	-.000201	-.015766
#3	-.000008	-.000072	-.030067	-.000138	.0002366	.000002	-.016670

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005051	-.009190	-.000255	-.000408	-.062701	.0002620	.0018188
Stddev	.0002637	.017463	.000314	.000649	.004001	.0023268	.0000452
%RSD	52.19956	190.0251	123.3356	159.1412	6.380700	887.9869	2.482255

#1	.0002365	.008827	-.000166	-.000766	-.061112	.0023041	.0018445
#2	.0007635	-.026040	.000006	-.000799	-.059738	.0007531	.0018452
#3	.0005153	-.010356	-.000603	.000341	-.067252	-.002271	.0017667

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.071942	.0011578	.0001851	.0009690	-.000396	-.003240	.0006094
Stddev	.036271	.0002827	.0001349	.0004084	.000581	.006167	.0013210
%RSD	50.41672	24.41440	72.87328	42.14847	146.8279	190.3153	216.7776

#1	-.110467	.0011486	.0000811	.0007043	-.000330	.003852	.0012335
#2	-.066908	.0014450	.0001367	.0014394	.000150	-.006239	-.000908
#3	-.038452	.0008799	.0003375	.0007633	-.001007	-.007334	.001503

Sample Name: CCB01 Acquired: 8/11/2025 17:23:29 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0016294	-.001350	-.000063
Stddev	.0025332	.001559	.000028
%RSD	155.4661	115.5244	43.82799

#1	.0029856	-.001095	-.000084
#2	.0031959	-.003020	-.000032
#3	-.001293	.000066	-.000074

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5803.046	103396.4	11316.01	4402.324	7308.170
Stddev	9.312	507.0	61.77	22.562	6.339
%RSD	.1604750	.4903493	.5458274	.5125059	.0867413

#1	5792.296	103152.5	11365.43	4381.908	7303.793
#2	5808.223	103979.2	11335.82	4426.548	7315.439
#3	5808.620	103057.4	11246.76	4398.516	7305.276

Sample Name: Q2759-04 Acquired: 8/11/2025 17:27:48 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0122297	.0003199	2.623958	.0093891	.0124143	2.686036
Stddev	.0022953	.0010591	.001560	.0018267	.0008257	.018942
%RSD	18.76818	331.0746	.0594631	19.45557	6.651290	.7052184

#1	.0113363	-.000549	2.623385	.0086958	.0131067	2.697531
#2	.0148373	.000009	2.625724	.0114610	.0115004	2.664172
#3	.0105154	.001500	2.622766	.0080106	.0126356	2.696404

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.015043	.0004049	.0081061	54.90299	.0470783	.0179909
Stddev	.005300	.0000214	.0000828	.14611	.0002222	.0002917
%RSD	.1320140	5.290907	1.021499	.2661202	.4719753	1.621554

#1	4.016572	.0004124	.0080106	54.94989	.0473178	.0183224
#2	4.019410	.0003807	.0081505	54.73919	.0468788	.0178773
#3	4.009146	.0004215	.0081573	55.01989	.0470384	.0177731

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3062656	15.96943	.3343975	9.422921	.0143961	.0016231
Stddev	.0006509	.14492	.0008869	.057125	.0000854	.0005380
%RSD	.2125277	.9074601	.2652147	.6062294	.5932396	33.14670

#1	.3059005	16.00825	.3346475	9.370929	.0143336	.0011164
#2	.3058792	16.09099	.3351326	9.413764	.0144935	.0021878
#3	.3070171	15.80906	.3334125	9.484071	.0143614	.0015652

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	124.7202	.0238523	5.313314	12.45731	.1046051	.0097386
Stddev	1.4293	.0007836	.007160	.11564	.0010616	.0000482
%RSD	1.146004	3.285102	.1347603	.9282532	1.014815	.4947438

#1	124.9562	.0247249	5.320407	12.45794	.1055761	.0096833
#2	126.0168	.0236232	5.313447	12.57263	.1034717	.0097718
#3	123.1876	.0232089	5.306089	12.34136	.1047675	.0097607

Sample Name: Q2759-04 Acquired: 8/11/2025 17:27:48 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0079020	.1168695	F 27.41097	1.472296	F 46.06726	.0269881
Stddev	.0002632	.0015378	.24575	.008766	.20648	.0013864
%RSD	3.331314	1.315826	.8965538	.5954211	.4482048	5.137016

#1	.0077727	.1176652	27.41204	1.467433	45.85801	.0281383
#2	.0077285	.1178464	27.65618	1.467040	46.07293	.0254487
#3	.0082049	.1150968	27.16468	1.482416	46.27084	.0273774

Elem	Sr4077
Units	ppm
Avg	.3307083
Stddev	.0001671
%RSD	.0505338

#1	.3309011
#2	.3306200
#3	.3306039

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5729.140	100264.1	11974.89	4260.727	6916.023
Stddev	14.609	189.8	113.76	18.104	12.377
%RSD	.2550030	.1893436	.9499757	.4249125	.1789559

#1	5725.671	100325.3	11994.30	4243.562	6909.566
#2	5745.172	100051.2	12077.70	4258.977	6930.292
#3	5716.577	100415.8	11852.68	4279.643	6908.209

Sample Name: Q2801-01 Acquired: 8/11/2025 17:31:56 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0976600	-.026349	.1868467	.0053580	-.008709	97.41938	.4586247
Stddev	.0002628	.002802	.0006070	.0034800	.002372	.22798	.0010803
%RSD	.2690768	10.63330	.3248692	64.95058	27.24101	.2340203	.2355569

#1	.0976672	-.029083	.1861462	.0026724	-.011345	97.18952	.4573787
#2	.0979191	-.026481	.1871781	.0041121	-.008038	97.64543	.4593004
#3	.0973937	-.023484	.1872160	.0092895	-.006745	97.42319	.4591949

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089387	.0057063	36.17534	.1786454	.0873436	.1567014	232.5924
Stddev	.0000594	.0002041	.06401	.0006685	.0003783	.0002633	1.7564
%RSD	.6640372	3.577182	.1769571	.3742323	.4331368	.1680321	.7551280

#1	.0089730	.0058436	36.10998	.1788348	.0874429	.1569613	231.7905
#2	.0089730	.0058034	36.23792	.1779026	.0869255	.1567082	231.3801
#3	.0088702	.0054717	36.17814	.1791988	.0876623	.1564348	234.6066

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.760727	23.15933	.1313916	.0066072	5.780353	.2729826	.5070678
Stddev	.004862	.03081	.0007440	.0007841	.047647	.0014420	.0010759
%RSD	.1761281	.1330564	.5662293	11.86719	.8242966	.5282398	.2121875

#1	2.755156	23.13806	.1306870	.0059500	5.757959	.2713301	.5071583
#2	2.762907	23.14528	.1313183	.0063964	5.748028	.2736318	.5080956
#3	2.764118	23.19467	.1321696	.0074751	5.835072	.2739859	.5059495

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.999712	.0714830	.0043690	.0087928	1.407182	7.499674	5.328404
Stddev	.011950	.0091081	.0001450	.0003267	.003119	.050333	.011158
%RSD	.1493748	12.74164	3.319831	3.715842	.2216612	.6711397	.2094056

#1	7.990290	.0711750	.0044653	.0090843	1.403729	7.468042	5.332700
#2	7.995693	.0625327	.0044396	.0084396	1.408023	7.473264	5.315737
#3	8.013153	.0807411	.0042022	.0088544	1.409795	7.557715	5.336776

Sample Name: Q2801-01 Acquired: 8/11/2025 17:31:56 Type: Unk
Method: 6010-200.7 NEW(v90) 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	2.000809	.1057545	-.098782
Stddev	.002196	.0006947	.001630
%RSD	.1097356	.6569202	1.649859

#1	2.003198	.1049536	-.098047
#2	1.998881	.1061151	-.097649
#3	2.000347	.1061948	-.100650

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6267.075	110158.5	13091.51	4736.570	6693.845
Stddev	10.767	420.6	39.64	34.691	7.585
%RSD	.1718074	.3818270	.3027949	.7324136	.1133087

#1	6259.148	110137.2	13071.45	4757.068	6694.285
#2	6279.334	110589.3	13065.92	4756.127	6701.201
#3	6262.743	109748.9	13137.18	4696.516	6686.050

Sample Name: Q2769-01 Acquired: 8/11/2025 17:35:58 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.001704	.0007168	.0106700	.0023212	.0021095	.5135598
Stddev	.001383	.0002992	.0007462	.0023369	.0014848	.0063455
%RSD	81.14623	41.74918	6.993115	100.6764	70.38751	1.235599

#1	-.000572	.0004407	.0098920	.0000022	.0024601	.5172288
#2	-.001295	.0010348	.0113796	.0046757	.0033875	.5172179
#3	-.003246	.0006748	.0107383	.0022858	.0004807	.5062326

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0427228	-.000054	.0000222	32.77423	.0019273	.0006655
Stddev	.0009133	.000045	.0000311	.11944	.0001144	.0001288
%RSD	2.137719	83.00324	140.1409	.3644334	5.937690	19.34938

#1	.0436768	-.000023	.0000354	32.86690	.0020381	.0007201
#2	.0426350	-.000034	.0000445	32.81637	.0019344	.0005184
#3	.0418566	-.000106	-.000013	32.63944	.0018095	.0007579

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0770305	4.007773	.1417740	4.089413	.0026991	.0002137
Stddev	.0004351	.031300	.0005339	.030733	.0002645	.0001909
%RSD	.5648935	.7809797	.3765878	.7515257	9.801144	89.35007

#1	.0765387	3.981796	.1423491	4.113289	.0024023	.0000770
#2	.0773656	3.999000	.1412941	4.100213	.0029100	.0004319
#3	.0771873	4.042524	.1416788	4.054738	.0027849	.0001322

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.63763	.0004388	.1610330	4.351313	.0248940	.0011231
Stddev	.25578	.0005649	.0006841	.060769	.0010192	.0001229
%RSD	.9602027	128.7369	.4247940	1.396568	4.094214	10.93819

#1	26.45944	.0003156	.1614192	4.287993	.0249467	.0009912
#2	26.52275	-.000054	.1602432	4.356786	.0258859	.0011438
#3	26.93070	.001055	.1614367	4.409161	.0238495	.0012343

Sample Name: Q2769-01 Acquired: 8/11/2025 17:35:58 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.001428	.0220507	4.013189	1.987842	F 330.6181	-.010571
Stddev	.000406	.0013716	.033371	.007721	1.6741	.001456
%RSD	28.41009	6.220326	.8315267	.3884055	.5063696	13.77769

#1	-.001896	.0235358	4.002179	1.996003	330.9991	-.012139
#2	-.001217	.0208314	3.986715	1.980653	328.7863	-.009260
#3	-.001172	.0217850	4.050674	1.986872	332.0689	-.010316

Elem	Sr4077
Units	ppm
Avg	.0950643
Stddev	.0002045
%RSD	.2151414

#1	.0953000
#2	.0949349
#3	.0949578

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5714.003	100918.1	11742.70	4393.599	7014.123
Stddev	2.717	211.3	143.97	12.910	8.460
%RSD	.0475492	.2093285	1.226045	.2938416	.1206206

#1	5710.924	101131.1	11623.37	4392.135	7010.736
#2	5716.064	100914.3	11702.14	4407.179	7023.752
#3	5715.020	100708.7	11902.60	4381.483	7007.880

Sample Name: Q2769-04 Acquired: 8/11/2025 17:40:09 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.002404	.0000902	.0083761	.0058270	.0014044	.4443004
Stddev	.000480	.0008218	.0019099	.0011232	.0008921	.0038130
%RSD	19.94994	910.7935	22.80179	19.27510	63.52192	.8581954

#1	-.001861	.0008448	.0062614	.0049331	.0017762	.4485996
#2	-.002768	-.000785	.0099754	.0054601	.0020504	.4429734
#3	-.002582	.000211	.0088916	.0070877	.0003865	.4413282

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0376731	-.000042	-.000034	30.69747	.0019775	.0004708
Stddev	.0006280	.000041	.000046	.11337	.0001817	.0000584
%RSD	1.666994	98.75760	136.8293	.3693202	9.188193	12.40512

#1	.0376209	.000005	.000019	30.57345	.0019683	.0004067
#2	.0383255	-.000055	-.000058	30.79578	.0018005	.0005211
#3	.0370727	-.000074	-.000062	30.72317	.0021636	.0004847

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0755328	3.492748	.1342291	3.826377	.0027041	.0003210
Stddev	.0002707	.005716	.0005669	.016246	.0003810	.0002062
%RSD	.3584435	.1636459	.4223361	.4245729	14.08809	64.23041

#1	.0753678	3.486321	.1335791	3.808609	.0023695	.0003436
#2	.0758453	3.494661	.1344877	3.840472	.0031187	.0001045
#3	.0753854	3.497261	.1346207	3.830050	.0026241	.0005150

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.46170	.0017730	.1334184	4.042790	.0213035	.0006426
Stddev	.08888	.0006611	.0002974	.039706	.0004380	.0000068
%RSD	.3490549	37.28466	.2228881	.9821333	2.056071	1.053059

#1	25.39812	.0016624	.1337460	4.009284	.0215528	.0006443
#2	25.56326	.0024823	.1331656	4.032440	.0207978	.0006484
#3	25.42373	.0011742	.1333435	4.086646	.0215600	.0006352

Sample Name: Q2769-04 Acquired: 8/11/2025 17:40:09 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.001623	.0190695	3.711661	1.871732	F 415.1617	-.010796
Stddev	.000264	.0007386	.058919	.005368	1.0319	.000432
%RSD	16.29441	3.873060	1.587391	.2867913	.2485640	4.000082

#1	-.001502	.0194548	3.654006	1.870737	414.8581	-.010734
#2	-.001926	.0182180	3.709210	1.877528	416.3113	-.011255
#3	-.001441	.0195357	3.771767	1.866931	414.3155	-.010398

Elem	Sr4077
Units	ppm
Avg	.0908429
Stddev	.0002304
%RSD	.2536306

#1	.0907862
#2	.0910964
#3	.0906462

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5825.789	103668.9	11726.08	4404.253	7230.403
Stddev	16.190	267.3	40.46	6.855	14.009
%RSD	.2779005	.2577943	.3450312	.1556417	.1937522

#1	5812.637	103867.8	11729.30	4403.168	7222.896
#2	5820.859	103365.1	11684.11	4398.005	7221.746
#3	5843.871	103773.7	11764.83	4411.585	7246.565

Sample Name: CCV02 Acquired: 8/11/2025 17:44:21 Type: Unk
Method: 6010-200.7 NEW(v90) 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	5.006457	4.951226	4.898658	5.008915	4.926567	9.699463	9.566084
Stddev	.014048	.035846	.006554	.024888	.021124	.016827	.227935
%RSD	.2805990	.7239849	.1337845	.4968697	.4287840	.1734860	2.382740

#1	5.003136	4.910490	4.893210	5.008953	4.918400	9.693158	9.506764
#2	4.994367	4.965240	4.896833	4.984009	4.910744	9.686699	9.373674
#3	5.021868	4.977948	4.905930	5.033785	4.950555	9.718532	9.817815

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2420508	2.478587	24.30289	.9923645	2.453650	1.252653	4.964633
Stddev	.0022801	.003400	.05514	.0012368	.003441	.002604	.053919
%RSD	.9419801	.1371926	.2268882	.1246304	.1402257	.2078403	1.086072

#1	.2403261	2.476261	24.33794	.9920008	2.451907	1.253197	5.004136
#2	.2411905	2.477009	24.23933	.9937423	2.451430	1.249820	4.986559
#3	.2446359	2.482489	24.33139	.9913503	2.457613	1.254941	4.903205

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.427348	24.25168	2.473153	1.217158	24.38404	2.442333	2.453562
Stddev	.002819	.09470	.004328	.000855	.24054	.009693	.003474
%RSD	.1161215	.3904818	.1749892	.0702649	.9864649	.3968644	.1416050

#1	2.428455	24.25894	2.470721	1.218105	24.60173	2.432778	2.456078
#2	2.424144	24.15356	2.470589	1.216442	24.42460	2.442064	2.449598
#3	2.429445	24.34254	2.478150	1.216926	24.12580	2.452158	2.455011

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.57616	4.778070	4.949616	4.927408	4.867334	4.943393	4.959487
Stddev	.21891	.038290	.015467	.007533	.006187	.035159	.006483
%RSD	.8907345	.8013619	.3124867	.1528819	.1271108	.7112285	.1307165

#1	24.75276	4.752129	4.948067	4.922532	4.869698	4.919534	4.952015
#2	24.64448	4.760033	4.934982	4.923608	4.860314	4.983769	4.962834
#3	24.33124	4.822047	4.965800	4.936085	4.871991	4.926877	4.963613

Sample Name: CCV02 Acquired: 8/11/2025 17:44:21 Type: Unk
Method: 6010-200.7 NEW(v90) 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	5.065606	4.820333	4.837342
Stddev	.007005	.007230	.042907
%RSD	.1382852	.1499896	.8869942

#1	5.067445	4.828666	4.816493
#2	5.057865	4.815729	4.886689
#3	5.071509	4.816603	4.808843

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5539.570	97250.85	11303.33	4224.763	6569.535
Stddev	15.362	296.28	63.34	15.892	9.550
%RSD	.2773097	.3046558	.5603256	.3761538	.1453747

#1	5537.221	96972.16	11334.37	4206.428	6571.381
#2	5555.970	97218.36	11345.15	4233.288	6578.028
#3	5525.517	97562.04	11230.46	4234.572	6559.196

Sample Name: CCB02 Acquired: 8/11/2025 17:48:31 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0009300	.0004870	.0007278	.0030211	.0006524	-.006299
Stddev	.0018776	.0005111	.0007208	.0011995	.0008727	.002592
%RSD	201.9031	104.9608	99.03368	39.70360	133.7737	41.13875

#1	.0029390	.0003119	.0003437	.0020113	.0014651	-.003585
#2	-.000780	.0000864	.0015592	.0043470	-.000270	-.006565
#3	.000631	.0010627	.0002804	.0027051	.000762	-.008748

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002336	-.000004	-.000010	-.009464	-.000082	-.000087
Stddev	.000913	.000024	.000030	.001227	.000248	.000130
%RSD	39.09874	627.2542	306.9752	12.96887	300.7700	149.9617

#1	-.002769	.000022	.000016	-.009092	.000120	-.000206
#2	-.001287	-.000006	-.000002	-.008466	-.000358	-.000106
#3	-.002952	-.000027	-.000043	-.010835	-.000008	.000052

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005587	-.020447	-.000002	.0017262	-.000230	-.000339
Stddev	.0004747	.002949	.000295	.0153278	.000304	.000180
%RSD	84.96988	14.42174	16489.75	887.9685	132.4342	53.11890

#1	.0002189	-.022904	.000337	-.004346	-.000377	-.000516
#2	.0003561	-.017177	-.000201	-.009635	-.000432	-.000156
#3	.0011012	-.021261	-.000142	.019160	.000120	-.000345

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0239435	.0003754	.0023575	.0420501	.0006719	.0000565
Stddev	.0163529	.0006902	.0001437	.0228510	.0003675	.0001837
%RSD	68.29786	183.8608	6.096377	54.34234	54.69336	325.1185

#1	.0080502	.0009312	.0022708	.0281618	.0003483	.0002029
#2	.0230602	.0005921	.0025234	.0684237	.0010715	.0001162
#3	.0407203	-.000397	.0022783	.0295647	.0005960	-.000150

Sample Name: CCB02 Acquired: 8/11/2025 17:48:31 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0011052	.0001367	.0040119	.0010518	F .0467610	.0018476
Stddev	.0001261	.0004882	.0090632	.0016190	.0017724	.0020671
%RSD	11.41069	357.0684	225.9091	153.9253	3.790313	111.8785

#1	.0010094	.0004983	.0137578	-.000351	.0488015	.0028615
#2	.0012480	.0003305	-.004163	.000682	.0456040	.0032120
#3	.0010580	-.000419	.002441	.002824	.0458776	-.000531

Elem	Sr4077
Units	ppm
Avg	-.000102
Stddev	.000069
%RSD	67.92844

#1	-.000043
#2	-.000084
#3	-.000178

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5871.944	102232.1	11284.31	4402.888	7464.451
Stddev	11.580	100.7	100.67	16.418	7.025
%RSD	.1972083	.0985228	.8921168	.3728998	.0941112

#1	5859.664	102117.1	11169.56	4384.162	7459.653
#2	5882.666	102304.6	11357.76	4414.816	7472.514
#3	5873.503	102274.6	11325.60	4409.685	7461.185

Sample Name: PB169154BL Acquired: 8/11/2025 17:52:50 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.000287	-.000579	.0002594	-.000021	.0018189	-.016421
Stddev	.001060	.000671	.0002860	.001615	.0013968	.002218
%RSD	368.9300	115.8729	110.2501	7783.323	76.79486	13.50821

#1	-.000030	-.000657	.0001465	.001700	.0002300	-.017880
#2	.000620	.000128	.0000471	-.000258	.0028536	-.017516
#3	-.001452	-.001207	.0005846	-.001504	.0023729	-.013869

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003186	.0000043	-.000024	-.017772	-.000098	-.000043
Stddev	.000672	.0000556	.000049	.004532	.000091	.000092
%RSD	21.08483	1302.050	206.2964	25.50230	92.76451	213.4024

#1	-.002476	-.000055	-.000011	-.016212	-.000014	.000060
#2	-.003811	.000055	.000018	-.022878	-.000086	-.000071
#3	-.003270	.000012	-.000078	-.014226	-.000195	-.000119

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003827	-.017395	.0003389	-.013452	-.000190	-.000034
Stddev	.0002566	.002661	.0002069	.010653	.000166	.000231
%RSD	67.06034	15.29992	61.06745	79.19451	87.28527	683.7979

#1	.0002762	-.014811	.0004454	-.003476	-.000086	-.000288
#2	.0006754	-.020127	.0004708	-.012205	-.000382	.000024
#3	.0001964	-.017247	.0001004	-.024673	-.000103	.000163

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.038621	.0005878	-.000012	-.047373	-.001378	-.000244
Stddev	.020437	.0017878	.000308	.029808	.000583	.000087
%RSD	52.91825	304.1453	2631.830	62.92254	42.29321	35.51822

#1	-.050687	-.001444	.000092	-.062680	-.001540	-.000344
#2	-.050151	.001287	-.000359	-.013021	-.001863	-.000201
#3	-.015024	.001920	.000231	-.066417	-.000731	-.000187

Sample Name: PB169154BL Acquired: 8/11/2025 17:52:50 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0005474	.0000143	.0010358	-.000621	F .0253663	-.002123
Stddev	.0003866	.0002104	.0014086	.000473	.0031034	.000647
%RSD	70.61850	1475.861	135.9859	76.15557	12.23454	30.46825

#1	.0001227	.0000130	-.000004	-.000076	.0251417	-.001381
#2	.0008788	.0002252	.000472	-.000921	.0285760	-.002566
#3	.0006409	-.000196	.002639	-.000866	.0223813	-.002423

Elem	Sr4077
Units	ppm
Avg	-.000157
Stddev	.000030
%RSD	19.21257

#1	-.000175
#2	-.000173
#3	-.000122

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5926.095	103668.5	11490.65	4437.124	7563.785
Stddev	5.721	88.9	79.33	6.932	11.160
%RSD	.0965403	.0857284	.6903529	.1562240	.1475486

#1	5920.112	103566.1	11509.42	4435.604	7551.963
#2	5931.512	103714.2	11558.91	4431.079	7574.139
#3	5926.660	103725.2	11403.62	4444.690	7565.253

Sample Name: PB169154BS Acquired: 8/11/2025 17:57:10 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.7888088	2.049425	.9773392	1.980233	.8076173	2.036599
Stddev	.0039378	.028063	.0016041	.007066	.0016198	.002624
%RSD	.4992110	1.369331	.1641265	.3568172	.2005652	.1288303

#1	.7910990	2.068894	.9765941	1.981418	.8093498	2.033749
#2	.7842618	2.017257	.9762431	1.972650	.8061407	2.038914
#3	.7910656	2.062124	.9791803	1.986632	.8073614	2.037136

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1972325	.2066358	.1953458	1.054010	.4131542	.2000243
Stddev	.0007506	.0015636	.0001917	.005734	.0020228	.0003295
%RSD	.3805472	.7567068	.0981362	.5440232	.4896026	.1647254

#1	.1977614	.2059120	.1952170	1.058904	.4112445	.1999625
#2	.1975626	.2055653	.1952544	1.047701	.4152738	.1997300
#3	.1963734	.2084302	.1955661	1.055424	.4129442	.2003803

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3136384	3.009835	.2088746	2.064130	.5028271	.0755410
Stddev	.0005799	.026422	.0000766	.030031	.0012591	.0003641
%RSD	.1848893	.8778415	.0366778	1.454918	.2504075	.4820497

#1	.3129692	3.004668	.2088720	2.082075	.5021236	.0751650
#2	.3139531	3.038458	.2089524	2.029460	.5020770	.0758920
#3	.3139929	2.986378	.2087993	2.080855	.5042808	.0755660

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.821685	.3085190	.2103328	9.636212	.3003463	.4148858
Stddev	.046923	.0019817	.0005454	.092990	.0019699	.0002637
%RSD	1.662929	.6423188	.2593148	.9650081	.6558767	.0635650

#1	2.825486	.3075382	.2106049	9.598624	.2997686	.4147898
#2	2.866592	.3107998	.2097049	9.742113	.2987299	.4146835
#3	2.772978	.3072190	.2106886	9.567900	.3025405	.4151841

Sample Name: PB169154BS Acquired: 8/11/2025 17:57:10 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.6943689	.1987789	.8671045	5.678360	F .0227369	.2062828
Stddev	.0020100	.0007219	.0048246	.020468	.0002053	.0028599
%RSD	.2894655	.3631647	.5564015	.3604649	.9026995	1.386388

#1	.6946128	.1988752	.8710046	5.674830	.0226125	.2073010
#2	.6922481	.1980137	.8685997	5.659886	.0226244	.2084943
#3	.6962457	.1994479	.8617094	5.700363	.0229738	.2030532

Elem	Sr4077
Units	ppm
Avg	.1986715
Stddev	.0007960
%RSD	.4006622

#1	.1982230
#2	.1995906
#3	.1982010

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5925.656	102067.9	11321.49	4439.047	7399.206
Stddev	9.602	352.3	68.88	7.193	.936
%RSD	.1620416	.3451588	.6083645	.1620322	.0126541

#1	5930.686	102264.9	11345.07	4438.206	7399.768
#2	5914.584	101661.1	11375.48	4446.623	7399.725
#3	5931.698	102277.6	11243.92	4432.311	7398.125

Sample Name: Q2804-01 Acquired: 8/11/2025 18:01:09 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.003198	.0063692	.0019551	.0064309	.0024371	5.559984
Stddev	.001650	.0015798	.0020391	.0022325	.0015516	.006218
%RSD	51.60930	24.80311	104.2990	34.71552	63.66682	.1118279

#1	-.005100	.0063190	.0016585	.0039996	.0041682	5.559201
#2	-.002152	.0079734	.0041263	.0069045	.0019716	5.554194
#3	-.002341	.0048151	.0000805	.0083886	.0011715	5.566556

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000175	-.000072	-.000190	24.70793	.1379793	.0015456
Stddev	.001505	.000033	.000040	.05081	.0006822	.0001666
%RSD	861.6600	45.32953	20.82590	.2056614	.4944081	10.78157

#1	.001557	-.000107	-.000160	24.76616	.1382510	.0013544
#2	-.000911	-.000068	-.000175	24.67260	.1372031	.0016224
#3	-.001169	-.000042	-.000235	24.68503	.1384838	.0016600

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197378	.1539382	.0197763	2.988859	.0411273	-.000127
Stddev	.0002395	.0023384	.0006512	.021872	.0002097	.000442
%RSD	1.213564	1.519032	3.292888	.7317937	.5097710	349.1379

#1	.0199388	.1516328	.0196178	3.009186	.0412549	-.000617
#2	.0194728	.1563082	.0192190	2.965715	.0408854	.000243
#3	.0198019	.1538737	.0204922	2.991675	.0412417	-.000007

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1885.262	.0009570	.3527686	248.6550	6.073417	.0186380
Stddev	4.321	.0012604	.0007884	1.2776	.053103	.0000581
%RSD	.2291929	131.7039	.2234942	.5138025	.8743537	.3119872

#1	1884.258	.0019131	.3536108	247.2286	6.119553	.0186237
#2	1881.531	.0014293	.3526467	249.6942	6.015370	.0185883
#3	1889.996	-.000471	.3520482	249.0422	6.085328	.0187019

Sample Name: Q2804-01 Acquired: 8/11/2025 18:01:09 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0014616	-.001606	.7940629	.8587108	F 933.4881	-.004197
Stddev	.0001885	.000210	.0047878	.0043609	2.3666	.001789
%RSD	12.89600	13.05304	.6029497	.5078430	.2535191	42.63557

#1	.0014120	-.001447	.7955806	.8544962	931.9815	-.003144
#2	.0013029	-.001527	.7979080	.8632046	936.2158	-.006263
#3	.0016700	-.001844	.7887002	.8584317	932.2670	-.003184

Elem	Sr4077
Units	ppm
Avg	.1043147
Stddev	.0003194
%RSD	.3061511

#1	.1046298
#2	.1039913
#3	.1043230

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4864.925	82903.90	11509.10	3592.794	5386.475
Stddev	22.517	260.09	127.49	15.394	17.592
%RSD	.4628487	.3137282	1.107696	.4284609	.3265873

#1	4885.608	82767.75	11403.34	3588.528	5399.431
#2	4868.229	83203.81	11650.66	3609.870	5393.547
#3	4840.939	82740.15	11473.31	3579.983	5366.449

Sample Name: Q2805-01 Acquired: 8/11/2025 18:05:32 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.002289	.0003335	.0074625	.0028466	.0007337	.0423873	-.000757
Stddev	.001308	.0020529	.0006858	.0009297	.0001444	.0052725	.000838
%RSD	57.13334	615.6682	9.189807	32.66096	19.68181	12.43884	110.7507
#1	-.001597	.0005461	.0078517	.0021475	.0008933	.0417255	.000206
#2	-.003798	-.001818	.0078651	.0024907	.0006121	.0374770	-.001327
#3	-.001473	.002272	.0066706	.0039018	.0006956	.0479595	-.001149
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000107	-.000100	4.016347	-.000298	.0064136	.2438973	1.198475
Stddev	.000066	.000026	.013336	.000184	.0000590	.0001576	.013721
%RSD	61.89342	25.77523	.3320523	61.72690	.9196367	.0646321	1.144883
#1	-.000154	-.000071	4.002712	-.000500	.0064811	.2438447	1.214190
#2	-.000136	-.000119	4.016968	-.000140	.0063881	.2440745	1.192362
#3	-.000031	-.000112	4.029363	-.000255	.0063717	.2437727	1.188873
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0161555	1.582014	.0083104	-.000337	13.37643	-.000514	.0354821
Stddev	.0001001	.015084	.0001101	.000531	.04455	.002748	.0002596
%RSD	.6196683	.9534537	1.324533	157.4043	.3330175	534.3095	.7316572
#1	.0161434	1.564636	.0084066	-.000186	13.37417	.002032	.0357653
#2	.0162612	1.591721	.0083343	-.000928	13.33306	-.003427	.0352553
#3	.0160621	1.589684	.0081904	.000102	13.42207	-.000148	.0354259
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8870003	.0068555	-.000301	.0003154	-.000088	5.638648	.0054823
Stddev	.0332081	.0002757	.000438	.0001207	.000564	.023652	.0008138
%RSD	3.743867	4.020913	145.6151	38.28353	643.1153	.4194683	14.84383
#1	.8563602	.0069155	.000203	.0001814	-.000423	5.617683	.0050220
#2	.8823537	.0065548	-.000589	.0004157	-.000403	5.633971	.0050031
#3	.9222870	.0070962	-.000516	.0003491	.000563	5.664289	.0064219

Sample Name: Q2805-01 Acquired: 8/11/2025 18:05:32 Type: Unk
Method: 6010-200.7 NEW(v90) 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	5.180590	-.011200	.0202808
Stddev	.008602	.000417	.0001207
%RSD	.1660413	3.719473	.5950517

#1	5.179758	-.011026	.0201427
#2	5.172435	-.010899	.0203657
#3	5.189578	-.011676	.0203342

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6070.233	107716.1	12092.30	4587.079	7667.423
Stddev	6.985	216.3	8.16	16.863	19.404
%RSD	.1150726	.2008321	.0674752	.3676137	.2530766

#1	6070.572	107602.9	12083.02	4576.938	7670.715
#2	6077.043	107965.5	12098.36	4606.544	7684.971
#3	6063.085	107579.8	12095.53	4577.754	7646.583

Sample Name: Q2805-02 Acquired: 8/11/2025 18:09:47 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.003337	.0007644	.0064376	.0019874	.0010854	.0376928	.0005584
Stddev	.001199	.0003116	.0009094	.0008680	.0010611	.0049294	.0021024
%RSD	35.92920	40.76521	14.12666	43.67458	97.76345	13.07771	376.4961

#1	-.002348	.0004696	.0069480	.0017262	-.000074	.0327856	-.001862
#2	-.004671	.0010905	.0053877	.0029561	.001321	.0426440	.001928
#3	-.002992	.0007333	.0069773	.0012801	.002009	.0376490	.001610

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000092	-.000102	4.230027	-.000611	.0068215	.0122177	.0666347
Stddev	.000050	.000069	.009941	.000250	.0001984	.0002904	.0024701
%RSD	54.86238	68.27082	.2350110	40.90510	2.908409	2.376987	3.706881

#1	-.000064	-.000029	4.218906	-.000681	.0066303	.0120003	.0637972
#2	-.000061	-.000168	4.238049	-.000333	.0068079	.0121054	.0678034
#3	-.000149	-.000108	4.233127	-.000817	.0070264	.0125475	.0683036

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0185156	1.644050	.0073891	-.000043	13.79133	.0002253	.0591355
Stddev	.0003776	.023134	.0002319	.000311	.07640	.0015727	.0001230
%RSD	2.039441	1.407138	3.137883	719.2973	.5539696	697.9341	.2079491

#1	.0182716	1.620150	.0075808	-.000027	13.81924	-.000132	.0590540
#2	.0189506	1.645667	.0071314	.000259	13.84984	.001946	.0592770
#3	.0183247	1.666333	.0074551	-.000362	13.70490	-.001138	.0590757

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8696572	.0053287	-.000435	-.000881	-.000764	5.770488	.0062110
Stddev	.0296212	.0004939	.000148	.000401	.000770	.015795	.0032126
%RSD	3.406083	9.269377	34.02076	45.47899	100.7417	.2737255	51.72359

#1	.8565159	.0056296	-.000366	-.000715	-.001024	5.769791	.0031203
#2	.9035756	.0055978	-.000334	-.001338	-.001370	5.755053	.0059799
#3	.8488801	.0047586	-.000605	-.000590	.000102	5.786621	.0095329

Sample Name: Q2805-02 Acquired: 8/11/2025 18:09:47 Type: Unk
Method: 6010-200.7 NEW(v90) 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	5.322404	-.011395	.0225922
Stddev	.009006	.001152	.0001412
%RSD	.1692068	10.10632	.6251718

#1	5.325849	-.012661	.0226466
#2	5.312184	-.011115	.0226981
#3	5.329179	-.010410	.0224318

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5930.717	105106.7	11663.42	4488.666	7488.938
Stddev	10.340	174.0	51.85	5.178	16.054
%RSD	.1743540	.1655772	.4445475	.1153539	.2143716

#1	5929.905	105192.5	11698.90	4494.523	7493.052
#2	5941.439	104906.4	11603.92	4486.777	7502.534
#3	5920.806	105221.1	11687.44	4484.697	7471.227

Sample Name: Q2805-02DUP Acquired: 8/11/2025 18:14:02 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.002656	-.000374	.0064464	.0028197	.0013656	.0383547	.0009187
Stddev	.001525	.000538	.0005549	.0016157	.0012571	.0081999	.0006020
%RSD	57.39578	143.6593	8.607836	57.30096	92.06037	21.37911	65.52661

#1	-.004357	-.000995	.0070715	.0025606	.0028171	.0342652	.0008010
#2	-.001412	-.000047	.0062558	.0045493	.0006237	.0330039	.0015708
#3	-.002200	-.000081	.0060120	.0013492	.0006559	.0477951	.0003842

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000097	-.000134	4.254516	-.000259	.0068441	.0122050	.0698195
Stddev	.000047	.000001	.006021	.000049	.0000972	.0001780	.0034618
%RSD	48.47675	.9775919	.1415181	18.99141	1.420418	1.458737	4.958253

#1	-.000118	-.000136	4.261381	-.000208	.0069562	.0122542	.0728632
#2	-.000129	-.000134	4.252037	-.000306	.0067826	.0120076	.0705419
#3	-.000043	-.000133	4.250130	-.000264	.0067936	.0123533	.0660535

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0180726	1.688706	.0077206	-.000169	14.08353	-.000078	.0603006
Stddev	.0002139	.029715	.0001965	.000397	.03856	.000613	.0003941
%RSD	1.183320	1.759624	2.545553	234.6679	.2738104	782.2040	.6535940

#1	.0181195	1.721970	.0075766	-.000614	14.04981	-.000608	.0598754
#2	.0182591	1.679360	.0079445	.000148	14.07520	-.000220	.0606536
#3	.0178392	1.664788	.0076407	-.000041	14.12557	.000593	.0603727

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8608619	.0041940	-.000540	-.000546	-.000623	5.945531	.0066380
Stddev	.0099467	.0002889	.000205	.000565	.000898	.013887	.0014004
%RSD	1.155435	6.887603	38.01681	103.4003	144.0661	.2335654	21.09653

#1	.8722208	.0043241	-.000641	-.001171	-.000845	5.938323	.0050559
#2	.8537097	.0043949	-.000304	-.000072	.000365	5.961540	.0077185
#3	.8566553	.0038630	-.000676	-.000396	-.001390	5.936731	.0071396

Sample Name: Q2805-02DUP Acquired: 8/11/2025 18:14:02 Type: Unk
Method: 6010-200.7 NEW(v90) 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	5.310099	-.010491	.0228787
Stddev	.016387	.000670	.0001253
%RSD	.3085936	6.381863	.5478302

#1	5.327478	-.009964	.0228203
#2	5.294929	-.010266	.0227933
#3	5.307889	-.011244	.0230226

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5997.695	104901.8	11777.87	4491.628	7636.611
Stddev	7.688	241.6	62.09	7.827	7.748
%RSD	.1281767	.2303062	.5272045	.1742554	.1014603

#1	6006.433	104837.3	11735.62	4482.633	7645.517
#2	5991.972	105169.1	11849.16	4495.365	7632.894
#3	5994.679	104699.0	11748.82	4496.886	7631.422

Sample Name: Q2805-02LX5 Acquired: 8/11/2025 18:18:17 Type: Unk
Method: 6010-200.7 NEW(v90) 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	-.000436	.0000770	.0003330	.0017647	.0018291	.0021814	-.003418
Stddev	.000457	.0013100	.0005338	.0011110	.0019523	.0015899	.001120
%RSD	104.8357	1701.067	160.2858	62.95501	106.7336	72.88807	32.77876

#1	-.000868	-.000246	.0000578	.0009979	.0040269	.0025775	-.002140
#2	-.000482	.001518	-.000007	.0030387	.0011648	.0004308	-.004230
#3	.000042	-.001041	.000948	.0012574	.0002957	.0035358	-.003884

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000352	-.000121	.9241958	-.000094	.0012188	.0027170	.0031233
Stddev	.0000433	.000039	.0038674	.000073	.0001312	.0001669	.0013574
%RSD	123.1429	32.07357	.4184575	77.63010	10.76740	6.142386	43.46094

#1	.0000840	-.000132	.9285806	-.000047	.0011252	.0027593	.0026213
#2	.0000013	-.000078	.9212709	-.000057	.0013688	.0028586	.0020884
#3	.0000202	-.000153	.9227359	-.000178	.0011624	.0025330	.0046602

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038965	.3562560	.0013195	-.000016	3.809058	-.000927	.0126927
Stddev	.0005376	.0134298	.0002226	.000261	.036441	.001945	.0003223
%RSD	13.79658	3.769700	16.86696	1638.616	.9567032	209.8360	2.538916

#1	.0032762	.3703637	.0015760	.000106	3.840857	.000759	.0128939
#2	.0041863	.3547780	.0012050	.000162	3.817023	-.003054	.0123210
#3	.0042269	.3436264	.0011776	-.000316	3.769292	-.000486	.0128631

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.104155	-.001413	-.000365	-.000424	.0003461	1.268186	.0019221
Stddev	.033743	.000383	.000034	.000453	.0009847	.015494	.0023636
%RSD	3.056011	27.12738	9.343052	106.6522	284.5410	1.221733	122.9737

#1	1.088291	-.001654	-.000380	-.000779	.0009541	1.282415	-.000298
#2	1.142907	-.001614	-.000390	.000085	.0008741	1.270465	.001657
#3	1.081268	-.000971	-.000327	-.000580	-.000790	1.251679	.004407

Sample Name: Q2805-02LX5 Acquired: 8/11/2025 18:18:17 Type: Unk
Method: 6010-200.7 NEW(v90) 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	1.251095	.0357747	.0047272
Stddev	.029560	.0012661	.0000532
%RSD	2.362760	3.539212	1.125326

#1	1.279502	.0365895	.0047630
#2	1.253281	.0364187	.0047526
#3	1.220503	.0343161	.0046661

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5861.936	103843.2	11496.46	4415.172	7383.714
Stddev	8.096	304.2	51.19	8.537	9.084
%RSD	.1381045	.2929009	.4452772	.1933654	.1230255

#1	5860.156	103798.1	11522.36	4412.039	7373.377
#2	5870.774	103564.0	11529.53	4408.643	7390.422
#3	5854.879	104167.3	11437.49	4424.833	7387.344

Sample Name: Q2805-02MS Acquired: 8/11/2025 18:22:36 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.8050562	1.845197	.9530809	1.974839	.7954043	2.033544	.1956985
Stddev	.0007534	.079953	.0023663	.012264	.0035180	.003376	.0007791
%RSD	.0935840	4.333024	.2482821	.6210221	.4422887	.1659945	.3981050

#1	.8043103	1.759399	.9536139	1.961273	.7913423	2.030938	.1952261
#2	.8050414	1.858576	.9504935	1.978100	.7974763	2.037357	.1965977
#3	.8058169	1.917617	.9551352	1.985142	.7973942	2.032337	.1952716

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1934103	.1944441	5.360428	.4120335	.2064372	.3239334	3.070923
Stddev	.0003545	.0005110	.013802	.0006666	.0007756	.0010531	.010263
%RSD	.1833058	.2628035	.2574840	.1617902	.3757111	.3251076	.3342041

#1	.1937991	.1941454	5.349731	.4118443	.2061400	.3235420	3.064900
#2	.1931049	.1941527	5.376008	.4114819	.2058541	.3231320	3.082773
#3	.1933270	.1950341	5.355544	.4127743	.2073174	.3251262	3.065095

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2199721	3.693870	.5084017	.0717221	17.27293	.3016616	.2646648
Stddev	.0009584	.014472	.0010247	.0003302	.06089	.0017643	.0016938
%RSD	.4356726	.3917771	.2015501	.4603550	.3524905	.5848547	.6399931

#1	.2191159	3.708848	.5082895	.0720816	17.22697	.3024150	.2659912
#2	.2210074	3.679965	.5074378	.0716521	17.34198	.3029240	.2652463
#3	.2197930	3.692796	.5094779	.0714325	17.24983	.2996456	.2627568

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.42717	.2676255	.4256438	.6894914	.1958611	6.923918	5.656023
Stddev	.03067	.0013700	.0016906	.0034652	.0013385	.020863	.023267
%RSD	.2941617	.5119047	.3971953	.5025677	.6833999	.3013167	.4113692

#1	10.39218	.2684813	.4239521	.6864078	.1959203	6.901843	5.629993
#2	10.44939	.2660454	.4256460	.6888252	.1971689	6.926601	5.663280
#3	10.43995	.2683497	.4273334	.6932414	.1944939	6.943309	5.674798

Sample Name: Q2805-02MS Acquired: 8/11/2025 18:22:36 Type: Unk
Method: 6010-200.7 NEW(v90) 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	5.787454	.1878176	.2147257
Stddev	.049550	.0008109	.0007455
%RSD	.8561588	.4317289	.3472016

#1	5.732717	.1885237	.2146666
#2	5.800399	.1879971	.2154991
#3	5.829247	.1869320	.2140115

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5733.459	104178.7	11685.46	4426.300	7091.574
Stddev	5.742	166.1	4.75	15.492	8.847
%RSD	.1001493	.1594830	.0406387	.3499890	.1247517

#1	5727.252	104360.9	11687.38	4424.651	7084.899
#2	5734.545	104035.5	11688.95	4411.698	7088.215
#3	5738.581	104139.8	11680.06	4442.550	7101.608

Sample Name: CCV03 Acquired: 8/11/2025 18:26:32 Type: Unk
Method: 6010-200.7 NEW(v90) 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	4.935707	4.516350	4.847941	4.905764	4.889308	9.606692	9.550967
Stddev	.004781	.112774	.008900	.013735	.012344	.026807	.109511
%RSD	.0968588	2.497014	.1835792	.2799678	.2524658	.2790410	1.146595

#1	4.930239	4.390656	4.842791	4.890161	4.879798	9.576365	9.433425
#2	4.939102	4.608672	4.842814	4.916026	4.884868	9.627224	9.650119
#3	4.937778	4.549722	4.858217	4.911105	4.903258	9.616486	9.569356

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2397229	2.447100	24.08516	.9766219	2.432228	1.237469	4.911653
Stddev	.0008858	.002771	.06415	.0034734	.005023	.001153	.007479
%RSD	.3695253	.1132248	.2663637	.3556587	.2065122	.0931428	.1522712

#1	.2387870	2.445852	24.07114	.9749066	2.430369	1.238379	4.920288
#2	.2405482	2.445172	24.15516	.9743398	2.428400	1.236173	4.907208
#3	.2398336	2.450275	24.02917	.9806193	2.437916	1.237855	4.907464

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.409755	23.93978	2.447964	1.211163	23.29523	2.426905	2.448761
Stddev	.004866	.10103	.002599	.000790	.13104	.004567	.001789
%RSD	.2019323	.4219999	.1061675	.0652304	.5625259	.1881683	.0730530

#1	2.410002	23.93800	2.446244	1.211794	23.44088	2.421646	2.446846
#2	2.414493	24.04168	2.446694	1.210277	23.18688	2.429877	2.449048
#3	2.404770	23.83965	2.450954	1.211417	23.25794	2.429191	2.450389

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.26302	4.787473	4.911981	4.849141	4.823334	4.848674	4.918430
Stddev	.02781	.023021	.012622	.006182	.007971	.007764	.005985
%RSD	.1146199	.4808556	.2569647	.1274889	.1652617	.1601173	.1216866

#1	24.29356	4.764809	4.899350	4.842535	4.828501	4.855425	4.912402
#2	24.23915	4.810835	4.912000	4.850101	4.827347	4.850406	4.924371
#3	24.25636	4.786775	4.924594	4.854787	4.814154	4.840191	4.918516

Sample Name: CCV03 Acquired: 8/11/2025 18:26:32 Type: Unk
Method: 6010-200.7 NEW(v90) 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	4.873484	4.758742	4.805836
Stddev	.007292	.006245	.019504
%RSD	.1496177	.1312343	.4058488

#1	4.865481	4.763375	4.799158
#2	4.879750	4.761212	4.827803
#3	4.875222	4.751640	4.790549

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5594.305	98744.41	11408.61	4214.360	6656.565
Stddev	6.802	95.41	47.02	12.860	9.293
%RSD	.1215792	.0966269	.4121834	.3051475	.1396095

#1	5595.429	98759.46	11461.41	4222.133	6656.514
#2	5600.475	98831.41	11371.24	4221.430	6665.884
#3	5587.011	98642.37	11393.18	4199.516	6647.297

Sample Name: CCB03 Acquired: 8/11/2025 18:30:44 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0011673	.0008458	.0014888	.0025540	.0020116	.0092982
Stddev	.0003436	.0023395	.0010988	.0013494	.0012268	.0057989
%RSD	29.43158	276.6045	73.80344	52.83585	60.98550	62.36571

#1	.0014990	.0035187	.0018087	.0016126	.0018976	.0056139
#2	.0008130	-.000152	.0002656	.0041001	.0032914	.0062982
#3	.0011899	-.000829	.0023922	.0019494	.0008458	.0159825

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001407	.0001018	.0004192	.0238179	.0000347	.0003996
Stddev	.000844	.0000202	.0000320	.0049066	.0001754	.0000545
%RSD	60.02768	19.88558	7.624378	20.60053	504.7167	13.65223

#1	-.001229	.0000784	.0003870	.0188077	.0001888	.0003763
#2	-.000665	.0001135	.0004198	.0286139	-.000156	.0004619
#3	-.002325	.0001134	.0004509	.0240320	.000072	.0003605

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003902	-.003664	.0015153	-.005548	.0004849	.0004269
Stddev	.0001652	.004040	.0004002	.003769	.0001743	.0001711
%RSD	42.33388	110.2820	26.41109	67.93303	35.95026	40.08227

#1	.0002370	.000676	.0018929	-.007232	.0006464	.0003009
#2	.0005652	-.004351	.0015573	-.001231	.0003001	.0006217
#3	.0003683	-.007317	.0010958	-.008183	.0005081	.0003580

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3538804	-.000806	.0048738	.3323623	.0018311	.0010814
Stddev	.0169342	.000994	.0000795	.0196714	.0006682	.0001751
%RSD	4.785297	123.2294	1.630199	5.918671	36.49110	16.19576

#1	.3607072	-.001951	.0047966	.3506964	.0022310	.0011198
#2	.3663356	-.000162	.0048694	.3348082	.0010597	.0012341
#3	.3345983	-.000307	.0049553	.3115823	.0022026	.0008902

Sample Name: CCB03 Acquired: 8/11/2025 18:30:44 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0015745	.0009059	.0003613	.0011329	F .0363948	F .0114244
Stddev	.0008110	.0012821	.0093120	.0022963	.0029769	.0018514
%RSD	51.51097	141.5349	2577.288	202.6893	8.179484	16.20603

#1	.0025110	.0000501	-.006782	.0013835	.0370922	.0104785
#2	.0011105	.0002875	-.003027	.0032936	.0389610	.0102369
#3	.0011021	.0023799	.010893	-.001278	.0331311	.0135577

Elem	Sr4077
Units	ppm
Avg	.0007929
Stddev	.0000202
%RSD	2.548341

#1	.0008133
#2	.0007729
#3	.0007926

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5816.884	103220.6	11419.72	4402.356	7372.781
Stddev	10.047	8.7	41.80	6.820	5.036
%RSD	.1727286	.0083986	.3660543	.1549178	.0683048

#1	5823.260	103224.6	11371.49	4401.837	7378.327
#2	5822.091	103226.4	11445.66	4395.811	7371.521
#3	5805.302	103210.6	11442.00	4409.421	7368.494

Sample Name: Q2805-02MSD Acquired: 8/11/2025 18:35:03 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.7610666	1.706963	.9052272	1.862378	.7774441	2.002311	.1924367
Stddev	.0006277	.059215	.0034777	.004653	.0034287	.006970	.0004516
%RSD	.0824764	3.469014	.3841766	.2498188	.4410252	.3480775	.2346764

#1	.7604733	1.674622	.9026551	1.860091	.7750913	2.000143	.1928828
#2	.7617238	1.670961	.9038425	1.859312	.7758628	2.010106	.1924475
#3	.7610028	1.775305	.9091839	1.867732	.7813781	1.996682	.1919798

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1898116	.1828238	5.314589	.4067438	.1968392	.3089842	3.016568
Stddev	.0016644	.0002843	.024130	.0010305	.0001298	.0007397	.022875
%RSD	.8768677	.1555284	.4540333	.2533531	.0659359	.2393944	.7583273

#1	.1910083	.1827886	5.339511	.4071241	.1968433	.3091827	3.007569
#2	.1905155	.1825586	5.312918	.4055772	.1967074	.3081655	2.999560
#3	.1879109	.1831241	5.291338	.4075301	.1969669	.3096044	3.042574

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2169100	3.641165	.4810952	.0698002	17.23879	.2962605	.2609507
Stddev	.0012666	.018390	.0008478	.0002194	.15161	.0031670	.0008585
%RSD	.5839113	.5050504	.1762302	.3143577	.8794735	1.069007	.3290001

#1	.2183097	3.657083	.4807773	.0695497	17.11520	.2937514	.2602587
#2	.2165772	3.645378	.4804522	.0698929	17.19322	.2998191	.2619114
#3	.2158430	3.621034	.4820560	.0699581	17.40797	.2952111	.2606820

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.31474	.2636905	.4202418	.6550954	.1944270	6.912458	5.171481
Stddev	.05836	.0026491	.0015752	.0027035	.0010864	.074587	.002596
%RSD	.5657815	1.004619	.3748307	.4126814	.5587604	1.079019	.0502070

#1	10.24851	.2661171	.4195383	.6534716	.1944389	6.847880	5.168570
#2	10.33705	.2640901	.4191410	.6535983	.1955073	6.895397	5.173557
#3	10.35865	.2608643	.4220462	.6582162	.1933347	6.994097	5.172316

Sample Name: Q2805-02MSD Acquired: 8/11/2025 18:35:03 Type: Unk
Method: 6010-200.7 NEW(v90) 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	5.352761	.1840268	.2119805
Stddev	.034488	.0009702	.0001250
%RSD	.6443058	.5271847	.0589512

#1	5.322277	.1851064	.2120932
#2	5.345812	.1837459	.2120021
#3	5.390195	.1832281	.2118461

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5960.245	104315.0	11730.15	4436.343	7535.527
Stddev	.992	111.0	140.06	21.597	4.565
%RSD	.0166409	.1064167	1.193978	.4868267	.0605751

#1	5960.522	104226.0	11623.30	4419.333	7539.296
#2	5961.069	104279.7	11678.43	4429.054	7536.834
#3	5959.144	104439.4	11888.70	4460.642	7530.452

Sample Name: Q2805-02A Acquired: 8/11/2025 18:38:59 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.7437939	1.728982	.8862764	1.838658	.7475062	2.001589	.1818867
Stddev	.0051248	.023905	.0035728	.002970	.0006995	.006985	.0013538
%RSD	.6890011	1.382634	.4031261	.1615559	.0935852	.3489960	.7443188

#1	.7441874	1.719046	.8842102	1.835444	.7483039	1.995144	.1807873
#2	.7384837	1.756253	.8842172	1.839228	.7469973	2.009012	.1814739
#3	.7487105	1.711647	.8904020	1.841302	.7472174	2.000612	.1833988

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1802455	.1797186	5.129785	.3847974	.1909007	.3006305	2.897741
Stddev	.0018307	.0005466	.028205	.0005938	.0009132	.0009401	.005954
%RSD	1.015658	.3041352	.5498330	.1543204	.4783784	.3126951	.2054865

#1	.1785565	.1791925	5.099894	.3841329	.1903266	.3000342	2.897752
#2	.1799891	.1796797	5.133531	.3849834	.1904218	.3001432	2.903690
#3	.1821908	.1802836	5.155930	.3852760	.1919538	.3017142	2.891782

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2071126	3.490375	.4717930	.0666558	16.73332	.2845767	.2505626
Stddev	.0016147	.046479	.0013962	.0003036	.06640	.0018620	.0009599
%RSD	.7796195	1.331629	.2959444	.4555516	.3968319	.6543058	.3830922

#1	.2056707	3.439173	.4706038	.0669816	16.72822	.2843827	.2507553
#2	.2068098	3.529907	.4714449	.0663806	16.80213	.2865281	.2495209
#3	.2088572	3.502045	.4733304	.0666052	16.66962	.2828193	.2514115

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.915086	.2510499	.3978325	.6391590	.1818689	6.704695	5.152744
Stddev	.048048	.0026712	.0007013	.0032408	.0012772	.055582	.029191
%RSD	.4845909	1.063990	.1762809	.5070363	.7022417	.8290006	.5665065

#1	9.942038	.2499509	.3980347	.6367136	.1804901	6.740614	5.130612
#2	9.943607	.2491036	.3970524	.6379286	.1821051	6.732797	5.141792
#3	9.859613	.2540953	.3984105	.6428348	.1830114	6.640673	5.185826

Sample Name: Q2805-02A Acquired: 8/11/2025 18:38:59 Type: Unk
Method: 6010-200.7 NEW(v90) 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	5.407496	.1771257	.2033542
Stddev	.020209	.0006922	.0008972
%RSD	.3737199	.3907886	.4411949

#1	5.405854	.1767264	.2023595
#2	5.388158	.1767258	.2036010
#3	5.428476	.1779250	.2041022

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5825.659	103760.9	11749.00	4421.136	7255.279
Stddev	5.747	137.0	129.47	20.250	4.846
%RSD	.0986468	.1320798	1.101954	.4580267	.0667887

#1	5819.167	103722.0	11845.74	4408.220	7251.677
#2	5827.718	103913.2	11799.34	4444.475	7260.788
#3	5830.094	103647.6	11601.93	4410.714	7253.372

Sample Name: Q2807-01 Acquired: 8/11/2025 18:42:57 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.1108499	-.033978	.6027179	.0111225	-.012529	184.8862	1.391072
Stddev	.0003056	.001054	.0019565	.0029044	.001513	1.6319	.011891
%RSD	.2757073	3.101920	.3246192	26.11318	12.07735	.8826426	.8548319

#1	.1105507	-.034227	.6033043	.0111558	-.014259	185.7877	1.402662
#2	.1111615	-.034885	.6043141	.0082015	-.011875	183.0025	1.391655
#3	.1108376	-.032822	.6005352	.0140101	-.011452	185.8685	1.378900

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0151371	.0189248	37.48221	.3481350	.2111992	.3594804	432.5326
Stddev	.0001037	.0002699	.05844	.0015777	.0000825	.0025684	4.7635
%RSD	.6849340	1.426076	.1559008	.4531783	.0390572	.7144854	1.101314

#1	.0151915	.0186495	37.47363	.3487335	.2111647	.3565473	437.5058
#2	.0150175	.0191890	37.54447	.3463456	.2112934	.3613274	428.0108
#3	.0152022	.0189358	37.42854	.3493258	.2111397	.3605663	432.0811

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.370298	54.73960	.2240669	.0150360	205.6263	.6349088	1.095433
Stddev	.036682	.16743	.0002121	.0016595	.8276	.0023563	.001440
%RSD	.5758345	.3058741	.0946769	11.03660	.4024970	.3711287	.1314697

#1	6.393238	54.54656	.2238581	.0168247	206.5556	.6354415	1.094508
#2	6.389666	54.82685	.2242823	.0135465	205.3548	.6369533	1.097093
#3	6.327991	54.84538	.2240604	.0147368	204.9686	.6323318	1.094699

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	34.86444	^ *****	.0128417	.0554657	9.214843	9.332751	12.01229
Stddev	.20665	-----	.0001013	.0014079	.042316	.006453	.03600
%RSD	.5927248	-----	.7887418	2.538335	.4592172	.0691487	.2997155

#1	35.07639	^ -----	.0127599	.0550141	9.241664	9.338135	11.98189
#2	34.85339	^ -----	.0128103	.0543390	9.236803	9.334520	12.00293
#3	34.66354	^ -----	.0129550	.0570440	9.166061	9.325598	12.05205

Sample Name: Q2807-01 Acquired: 8/11/2025 18:42:57 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.6101081	.1990748	-.263144
Stddev	.0052354	.0005608	.004367
%RSD	.8581142	.2817228	1.659609

#1	.6144981	.1997149	-.267146
#2	.6115127	.1986695	-.258486
#3	.6043137	.1988401	-.263801

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6848.045	117347.4	14604.75	5047.349	6026.907
Stddev	11.668	354.0	13.54	27.554	15.752
%RSD	.1703849	.3017038	.0927297	.5459036	.2613608

#1	6835.402	116941.8	14592.33	5025.863	6010.146
#2	6850.333	117594.4	14619.19	5037.770	6029.170
#3	6858.399	117506.0	14602.72	5078.414	6041.405

Sample Name: Q2807-02 Acquired: 8/11/2025 18:47:18 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0980740	-.022750	1.496777	.0047918	-.005490	140.7855
Stddev	.0025245	.003113	.004504	.0018819	.002444	.1100
%RSD	2.574027	13.68512	.3009338	39.27266	44.51348	.0781512

#1	.0962885	-.020637	1.494718	.0032095	-.002669	140.6584
#2	.1009622	-.026325	1.493670	.0042932	-.006939	140.8509
#3	.0969713	-.021288	1.501942	.0068728	-.006863	140.8470

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.131300	.0124802	.0116504	69.13174	.2573287	.1213649
Stddev	.006460	.0001465	.0002384	.08905	.0010498	.0003305
%RSD	.5710252	1.173488	2.046184	.1288184	.4079777	.2723286

#1	1.124017	.0126384	.0117533	69.03973	.2576838	.1210060
#2	1.133547	.0124530	.0118200	69.21751	.2561473	.1214320
#3	1.136337	.0123493	.0113778	69.13798	.2581549	.1216567

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3431650	258.6557	4.825046	26.88820	.1790902	.0120614
Stddev	.0008781	3.0610	.015005	.01158	.0001053	.0011613
%RSD	.2558867	1.183426	.3109734	.0430710	.0587907	9.628282

#1	.3441775	257.0122	4.807786	26.88861	.1790021	.0112012
#2	.3426121	256.7674	4.834990	26.87642	.1790616	.0116006
#3	.3427053	262.1874	4.832360	26.89957	.1792068	.0133824

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.172080	.3908042	.7401354	9.890993	.0648427	.0110478
Stddev	.065036	.0022627	.0034783	.123337	.0160975	.0002393
%RSD	1.558840	.5789862	.4699578	1.246963	24.82543	2.165962

#1	4.127643	.3899634	.7397073	9.795277	.0589256	.0107979
#2	4.141872	.3933669	.7438080	9.847522	.0525411	.0110706
#3	4.246727	.3890823	.7368910	10.03018	.0830613	.0112748

Sample Name: Q2807-02 Acquired: 8/11/2025 18:47:18 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.1171978	2.795537	9.471390	F 25.22585	1.082487	.1436860
Stddev	.0011143	.011486	.072658	.03682	.007029	.0005091
%RSD	.9507733	.4108674	.7671331	.1459428	.6493671	.3543447
#1	.1159671	2.782415	9.457180	25.18463	1.090585	.1431760
#2	.1181381	2.800430	9.406887	25.23744	1.077954	.1436878
#3	.1174883	2.803766	9.550104	25.25547	1.078922	.1441943

Elem	Sr4077
Units	ppm
Avg	.1129306
Stddev	.0025490
%RSD	2.257119
#1	.1120000
#2	.1158141
#3	.1109776

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7188.621	125290.6	15099.51	5387.307	6541.057
Stddev	9.860	348.5	124.73	18.026	6.102
%RSD	.1371678	.2781306	.8260689	.3346078	.0932818
#1	7181.320	125203.2	15035.60	5398.155	6541.662
#2	7184.704	125674.5	15019.69	5366.498	6534.676
#3	7199.838	124994.2	15243.25	5397.268	6546.834

Sample Name: Q2807-03 Acquired: 8/11/2025 18:51:22 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.1253347	-.027299	1.566073	.0014320	-.006905	178.9124	1.188666
Stddev	.0016480	.001824	.002941	.0015255	.003392	.0710	.000516
%RSD	1.314859	6.680544	.1877643	106.5288	49.12045	.0396902	.0434097

#1	.1259348	-.025603	1.564594	.0003133	-.010536	178.8473	1.189176
#2	.1265985	-.029228	1.569460	.0008130	-.006362	178.9881	1.188144
#3	.1234707	-.027066	1.564166	.0031697	-.003818	178.9018	1.188678

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0141598	.0121955	41.96396	.3223990	.1071492	.2176486	308.2119
Stddev	.0001072	.0001037	.01651	.0011219	.0002916	.0013841	1.2587
%RSD	.7572150	.8504515	.0393477	.3479730	.2721051	.6359160	.4083839

#1	.0142632	.0123072	41.98222	.3236271	.1068303	.2183392	306.8943
#2	.0140491	.0121023	41.95009	.3214279	.1074021	.2185515	308.3393
#3	.0141671	.0121769	41.95956	.3221420	.1072153	.2160552	309.4020

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.756024	34.20763	.1726686	.0084746	4.544905	.4662627	.7256465
Stddev	.006802	.07540	.0006478	.0003338	.015331	.0039984	.0020142
%RSD	.1810889	.2204049	.3751782	3.939125	.3373149	.8575496	.2775665

#1	3.761610	34.25919	.1720964	.0080920	4.527890	.4646778	.7278204
#2	3.748450	34.12110	.1733719	.0086256	4.549183	.4632996	.7238438
#3	3.758011	34.24259	.1725373	.0087063	4.557643	.4708106	.7252753

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.784065	.0651888	.0118390	.0714060	2.601023	9.564550	13.95825
Stddev	.041557	.0052367	.0000165	.0012871	.002269	.044083	.03402
%RSD	.4247400	8.033086	.1390063	1.802512	.0872475	.4609011	.2437619

#1	9.736194	.0592166	.0118474	.0721818	2.602629	9.516411	13.91933
#2	9.810871	.0689949	.0118497	.0721159	2.602012	9.574293	13.97310
#3	9.805131	.0673548	.0118201	.0699203	2.598427	9.602947	13.98233

Sample Name: Q2807-03 Acquired: 8/11/2025 18:51:22 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.8807389	.1415339	-.078882
Stddev	.0042353	.0007700	.001368
%RSD	.4808831	.5440651	1.733969

#1	.8773420	.1420230	-.077401
#2	.8854843	.1419324	-.079148
#3	.8793905	.1406463	-.080098

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7001.349	121868.2	14646.81	5283.253	6482.693
Stddev	12.516	278.6	43.61	14.110	10.821
%RSD	.1787668	.2286306	.2977676	.2670773	.1669187

#1	6986.897	122122.3	14599.71	5295.808	6470.199
#2	7008.487	121912.0	14685.79	5285.970	6488.867
#3	7008.662	121570.2	14654.92	5267.982	6489.014

Sample Name: Q2798-01 Acquired: 8/11/2025 18:55:26 Type: Unk
Method: 6010-200.7 NEW(v90) 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	.0567554	-.021048	.3119161	.0030985	-.008229	121.5032	.5865916
Stddev	.0005650	.002021	.0015531	.0011222	.002694	.1728	.0017731
%RSD	.9955194	9.599799	.4979265	36.21802	32.73391	.1422462	.3022700

#1	.0571195	-.022811	.3129006	.0039178	-.005473	121.3086	.5878514
#2	.0570422	-.018843	.3101257	.0018194	-.008358	121.5623	.5873593
#3	.0561045	-.021491	.3127220	.0035582	-.010856	121.6387	.5845640

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089001	.0107983	76.55458	.2710227	.1780160	.5987648	299.1266
Stddev	.0000342	.0002029	.15671	.0004849	.0004105	.0011196	1.4335
%RSD	.3847396	1.879025	.2047077	.1788987	.2305958	.1869837	.4792195

#1	.0088685	.0106082	76.50276	.2715299	.1778804	.5982982	300.7533
#2	.0089365	.0110119	76.43034	.2705639	.1776904	.5979540	298.0484
#3	.0088953	.0107747	76.73064	.2709743	.1784771	.6000422	298.5781

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.713334	61.70351	.3270116	.0097780	13.25385	.4627519	.6155131
Stddev	.012266	.32421	.0002275	.0001706	.14096	.0014365	.0010932
%RSD	.2602445	.5254306	.0695545	1.745172	1.063565	.3104281	.1775995

#1	4.723341	61.52514	.3268445	.0098972	13.40173	.4611822	.6164153
#2	4.699650	61.50766	.3269197	.0095825	13.23884	.4640011	.6158266
#3	4.717011	62.07774	.3272707	.0098543	13.12100	.4630723	.6142975

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.007612	.1279309	.0034750	.0193731	7.850077	3.202025	6.093593
Stddev	.051641	.0023814	.0002434	.0011745	.010200	.014160	.009524
%RSD	.6449044	1.861468	7.004294	6.062437	.1299308	.4422314	.1562923

#1	8.060495	.1305480	.0033454	.0180208	7.856991	3.217566	6.096068
#2	8.005031	.1258916	.0033238	.0201381	7.854877	3.198658	6.083077
#3	7.957309	.1273530	.0037558	.0199604	7.838363	3.189852	6.101636

Sample Name: Q2798-01 Acquired: 8/11/2025 18:55:26 Type: Unk
Method: 6010-200.7 NEW(v90) 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	3.137075	.1057094	-.056412
Stddev	.014656	.0006105	.001433
%RSD	.4671949	.5775205	2.540999

#1	3.135666	.1054595	-.057541
#2	3.123175	.1052635	-.054799
#3	3.152385	.1064052	-.056897

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6573.862	115068.0	14044.91	4967.470	6527.179
Stddev	13.806	224.7	55.90	1.041	13.328
%RSD	.2100113	.1952768	.3980047	.0209528	.2041943

#1	6588.538	114930.1	14092.08	4968.416	6538.247
#2	6571.917	115327.3	14059.49	4966.355	6530.906
#3	6561.133	114946.6	13983.17	4967.637	6512.384

Sample Name: CCV04 Acquired: 8/11/2025 18:59:28 Type: Unk
Method: 6010-200.7 NEW(v90) 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	4.887759	4.646670	4.807711	4.867973	4.868434	9.621884	9.590706
Stddev	.006060	.117257	.005988	.020437	.005825	.016578	.096874
%RSD	.1239804	2.523453	.1245410	.4198345	.1196406	.1722981	1.010087

#1	4.891151	4.541126	4.800798	4.856248	4.871685	9.629410	9.524603
#2	4.880763	4.625995	4.811119	4.856099	4.861709	9.602877	9.701908
#3	4.891364	4.772889	4.811217	4.891572	4.871907	9.633363	9.545608

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2391652	2.422165	24.20188	.9794150	2.415304	1.226087	4.968076
Stddev	.0006487	.003145	.02036	.0015008	.003023	.001056	.034102
%RSD	.2712439	.1298330	.0841410	.1532325	.1251629	.0861225	.6864228

#1	.2398478	2.418589	24.19664	.9784038	2.412996	1.227287	4.928714
#2	.2385568	2.423403	24.18465	.9811394	2.414190	1.225303	4.986815
#3	.2390910	2.424501	24.22435	.9787018	2.418726	1.225669	4.988700

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.428748	24.03210	2.428036	1.209113	24.05300	2.434358	2.436601
Stddev	.004824	.03593	.001946	.000480	.07162	.009130	.008812
%RSD	.1986405	.1495266	.0801386	.0396690	.2977453	.3750413	.3616514

#1	2.426274	23.99452	2.425805	1.209302	23.97587	2.430759	2.446731
#2	2.425663	24.03565	2.429380	1.209469	24.11739	2.427575	2.432362
#3	2.434308	24.06612	2.428924	1.208568	24.06574	2.444738	2.430709

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.46848	4.745603	4.906743	4.823027	4.860585	4.899271	4.791966
Stddev	.14380	.017595	.011027	.008685	.004985	.016831	.007528
%RSD	.5876953	.3707720	.2247373	.1800678	.1025517	.3435511	.1570965

#1	24.31239	4.758097	4.898496	4.813411	4.855827	4.882427	4.783286
#2	24.59556	4.725481	4.902463	4.830299	4.860160	4.916090	4.795896
#3	24.49750	4.753231	4.919268	4.825372	4.865769	4.899296	4.796716

Sample Name: CCV04 Acquired: 8/11/2025 18:59:28 Type: Unk
Method: 6010-200.7 NEW(v90) 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	4.750098	4.792677	4.844850
Stddev	.018458	.011171	.020220
%RSD	.3885717	.2330927	.4173538

#1	4.732215	4.783599	4.821543
#2	4.748998	4.789281	4.855314
#3	4.769081	4.805153	4.857695

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5704.466	98897.80	11506.32	4293.282	6803.481
Stddev	3.595	81.68	44.40	13.100	9.177
%RSD	.0630164	.0825872	.3858636	.3051314	.1348853

#1	5706.175	98972.22	11469.02	4279.877	6814.030
#2	5706.888	98810.42	11555.43	4306.054	6799.078
#3	5700.336	98910.75	11494.50	4293.915	6797.335

Sample Name: CCB04 Acquired: 8/11/2025 19:03:38 Type: Unk
Method: 6010-200.7 NEW(v90) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001924	-.000510	-.000689	.0030955	.0008607	-.003448	-.003492
Stddev	.000131	.000505	.000802	.0011903	.0016924	.004257	.000608
%RSD	6.834025	98.95641	116.3904	38.45249	196.6318	123.4387	17.41838

#1	-.001848	-.000835	-.000605	.0044541	.0002092	-.007628	-.003561
#2	-.001847	.000072	.000068	.0022356	.0027820	-.003598	-.004063
#3	-.002076	-.000768	-.001529	.0025969	-.000409	.000881	-.002853

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000260	-.000081	-.019833	-.000247	-.000102	-.000446	-.019730
Stddev	.0000689	.000003	.002584	.000143	.000032	.000351	.004046
%RSD	264.6554	3.757070	13.03036	57.86986	31.03214	78.81899	20.50842

#1	.0000644	-.000080	-.022656	-.000110	-.000099	-.000850	-.021507
#2	-.000054	-.000078	-.019258	-.000396	-.000135	-.000208	-.022584
#3	.000067	-.000084	-.017584	-.000235	-.000072	-.000280	-.015100

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000562	-.002805	-.000479	-.000037	.1491444	-.000069	-.000838
Stddev	.000312	.014434	.000079	.000317	.0154086	.002252	.000071
%RSD	55.46012	514.6193	16.58979	856.2835	10.33137	3287.085	8.416660

#1	-.000737	.008448	-.000436	-.000076	.1664830	-.002653	-.000902
#2	-.000202	.002216	-.000571	-.000333	.1439329	.001473	-.000848
#3	-.000747	-.019078	-.000430	.000298	.1370173	.000974	-.000763

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1215116	-.000424	-.000053	.0007691	-.000655	.0027929	-.000164
Stddev	.0342705	.000235	.000072	.0005007	.001155	.0069410	.001710
%RSD	28.20349	55.47775	136.6771	65.10108	176.3413	248.5201	1045.510

#1	.1610264	-.000533	-.000088	.0006276	-.000103	-.005221	-.001941
#2	.0999079	-.000585	.000030	.0013253	-.001983	.006913	-.000020
#3	.1036007	-.000154	-.000100	.0003544	.000120	.006686	.001470

Sample Name: CCB04 Acquired: 8/11/2025 19:03:38 Type: Unk
Method: 6010-200.7 NEW(v90) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0069289	.0018638	-.000251
Stddev	.0016868	.0007685	.000062
%RSD	24.34491	41.23430	24.51429

#1	.0082506	.0009814	-.000240
#2	.0050290	.0022235	-.000196
#3	.0075072	.0023866	-.000317

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5909.247	102961.4	11326.71	4449.439	7567.643
Stddev	3.750	59.9	41.74	14.083	7.167
%RSD	.0634537	.0581454	.3685140	.3165077	.0947063

#1	5904.949	102897.2	11371.24	4434.525	7560.866
#2	5911.846	103015.7	11320.40	4462.509	7566.917
#3	5910.947	102971.3	11288.48	4451.283	7575.145

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: 08/08/2025 Time : 11:10 Temp : 96 °C

End Digest Date: 08/08/2025 Time : 14:12 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *S123*

Supervisor Signature: *Jerp*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	M6181
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
CONC: HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/08/25 15:12	<i>S123 met lab</i>	<i>Jerp / Metlab</i>
	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
PB169154BL	PBW154	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB169154BS	LCS154	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	2
Q2759-04	LIQUID-DRUM	<2	5.00	25	Colorless	Colorless	Clear	Clear	N/A	3
Q2804-01	WATER-TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2805-01	RW8-SP100-20250807	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q2805-02	RW8-SP303-20250807	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q2805-02MS	RW8-SP303-20250807MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	8
Q2805-02MSD	RW8-SP303-20250807MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	9
Q2805-02DUP	RW8-SP303-20250807DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB169154

WorkList ID : 191149

Department : Digestion

Date : 08-07-2025 08:34:49

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2805-01	RW8-SP100-20250807	Water	Metals Group4	1:1 HNO3 to pH < 2	TETR06	J22	08/07/2025	6010D
Q2805-02	RW8-SP303-20250807	Water	Metals Group4	1:1 HNO3 to pH < 2	TETR06	J22	08/07/2025	6010D
Q2759-04	LIQUID-DRUM	Water	Metals PSEG Group2	1:1 HNO3 to pH < 2	PSEG03	D31	08/04/2025	6010D
Q2804-01	WATER-TREATMENT DISCHAI	Water	Metals Group4	1:1 HNO3 to pH < 2	VERI01	J22	08/07/2025	6010D

Date/Time 08/07/25 10:53
 Raw Sample Received by: SKS met dig
 Raw Sample Relinquished by: CAC

Date/Time 08/08/25 11:23
 Raw Sample Received by: CAC
 Raw Sample Relinquished by: SKS met dig

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136778

Review By	Janvi	Review On	8/12/2025 7:03:55 PM
Supervise By	jaswal	Supervise On	8/13/2025 4:04:51 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641		
ICV Standard	MP86645,MP86656		
CCV Standard	MP86646		
ICSA Standard	MP86651,MP86652		
CRI Standard	MP86656		
LCS Standard			
Chk Standard	MP86647,MP86648		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/11/25 10:43		Jaswal	OK
2	S1	S1	CAL2	08/11/25 10:48		Jaswal	OK
3	S2	S2	CAL3	08/11/25 10:52		Jaswal	OK
4	S3	S3	CAL4	08/11/25 10:56		Jaswal	OK
5	S4	S4	CAL5	08/11/25 11:00		Jaswal	OK
6	S5	S5	CAL6	08/11/25 11:04		Jaswal	OK
7	ICV01	ICV01	ICV	08/11/25 11:09	ICV fail for B,Mo	Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/11/25 11:33		Jaswal	OK
9	ICB01	ICB01	ICB	08/11/25 11:37		Jaswal	OK
10	CRI01	CRI01	CRDL	08/11/25 11:41		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/11/25 11:48		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/11/25 11:52	ICSAB fail for B,Mo	Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/11/25 11:56		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/11/25 12:00		Jaswal	OK
15	CCV01	CCV01	CCV	08/11/25 12:05		Jaswal	OK
16	CCB01	CCB01	CCB	08/11/25 12:09		Jaswal	OK
17	Q2788-01	OK-01-08062025	SAM	08/11/25 12:13		Jaswal	OK
18	Q2783-03	RT5414	SAM	08/11/25 12:17		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136778

Review By	Janvi	Review On	8/12/2025 7:03:55 PM
Supervise By	jaswal	Supervise On	8/13/2025 4:04:51 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641		
ICV Standard	MP86645,MP86656		
CCV Standard	MP86646		
ICSA Standard	MP86651,MP86652		
CRI Standard	MP86656		
LCS Standard			
Chk Standard	MP86647,MP86648		

19	PB169178BL	PB169178BL	MB	08/11/25 12:22		Jaswal	OK
20	PB169178BS	PB169178BS	LCS	08/11/25 12:26		Jaswal	OK
21	PB169149TB	PB169149TB	MB	08/11/25 12:42		Jaswal	OK
22	Q2779-04	TP-4	SAM	08/11/25 12:47		Jaswal	OK
23	Q2779-08	TP-5	SAM	08/11/25 12:51		Jaswal	OK
24	Q2791-01	SLUDGE	SAM	08/11/25 12:56		Jaswal	OK
25	CCV02	CCV02	CCV	08/11/25 13:00		Jaswal	OK
26	CCB02	CCB02	CCB	08/11/25 13:04		Jaswal	OK
27	Q2798-04	TP-6	SAM	08/11/25 13:08		Jaswal	OK
28	Q2800-02	VNJ-222	SAM	08/11/25 13:13		Jaswal	OK
29	Q2800-02DUP	VNJ-222DUP	DUP	08/11/25 13:17		Jaswal	OK
30	Q2800-02L	VNJ-222L	SD	08/11/25 13:22		Jaswal	OK
31	Q2800-02MS	VNJ-222MS	MS	08/11/25 13:26		Jaswal	OK
32	Q2800-02MSD	VNJ-222MSD	MSD	08/11/25 13:30		Jaswal	OK
33	Q2800-02A	VNJ-222A	PS	08/11/25 13:34	0.1 ml of each M6004,M6017	Jaswal	OK
34	Q2779-01	TP-4	SAM	08/11/25 13:38		Jaswal	OK
35	Q2779-05	TP-5	SAM	08/11/25 13:42		Jaswal	OK
36	Q2793-01	VNJ-231	SAM	08/11/25 13:46		Jaswal	OK
37	CCV03	CCV03	CCV	08/11/25 14:54		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136778

Review By	Janvi	Review On	8/12/2025 7:03:55 PM
Supervise By	jaswal	Supervise On	8/13/2025 4:04:51 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86645,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86652
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

38	CCB03	CCB03	CCB	08/11/25 14:58		Jaswal	OK
39	Q2793-01DUP	VNJ-231DUP	DUP	08/11/25 15:03		Jaswal	OK
40	Q2793-01L	VNJ-231L	SD	08/11/25 15:07		Jaswal	OK
41	Q2793-01MS	VNJ-231MS	MS	08/11/25 15:11		Jaswal	OK
42	Q2793-01MSD	VNJ-231MSD	MSD	08/11/25 15:15		Jaswal	OK
43	Q2793-01A	VNJ-231A	PS	08/11/25 15:19	0.1 ml of each M6004,M6017	Jaswal	OK
44	Q2795-01	COMP-1	SAM	08/11/25 15:23		Jaswal	OK
45	Q2795-02	COMP-2	SAM	08/11/25 15:27		Jaswal	OK
46	Q2795-03	COMP-3	SAM	08/11/25 15:31		Jaswal	OK
47	Q2759-04	LIQUID-DRUM	SAM	08/11/25 15:35		Jaswal	OK
48	Q2800-01	VNJ-222	SAM	08/11/25 15:39		Jaswal	OK
49	CCV04	CCV04	CCV	08/11/25 16:02		Jaswal	OK
50	CCB04	CCB04	CCB	08/11/25 16:06		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136779

Review By	Janvi	Review On	8/13/2025 10:17:16 AM
Supervise By	jaswal	Supervise On	8/13/2025 4:06:52 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641		
ICV Standard	MP86752,MP86656		
CCV Standard	MP86646		
ICSA Standard	MP86651,MP86753		
CRI Standard	MP86656		
LCS Standard			
Chk Standard	MP86647,MP86648		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/11/25 16:19		Jaswal	OK
2	S1	S1	CAL2	08/11/25 16:23		Jaswal	OK
3	S2	S2	CAL3	08/11/25 16:27		Jaswal	OK
4	S3	S3	CAL4	08/11/25 16:31		Jaswal	OK
5	S4	S4	CAL5	08/11/25 16:36		Jaswal	OK
6	S5	S5	CAL6	08/11/25 16:40		Jaswal	OK
7	ICV01	ICV01	ICV	08/11/25 16:44		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/11/25 16:49		Jaswal	OK
9	ICB01	ICB01	ICB	08/11/25 16:54		Jaswal	OK
10	CRI01	CRI01	CRDL	08/11/25 16:58		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/11/25 17:02		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/11/25 17:06		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/11/25 17:10		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/11/25 17:15		Jaswal	OK
15	CCV01	CCV01	CCV	08/11/25 17:19		Jaswal	OK
16	CCB01	CCB01	CCB	08/11/25 17:23		Jaswal	OK
17	Q2759-04	LIQUID-DRUM	SAM	08/11/25 17:27		Jaswal	OK
18	Q2801-01	TR-04-080725	SAM	08/11/25 17:31		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136779

Review By	Janvi	Review On	8/13/2025 10:17:16 AM
Supervise By	jaswal	Supervise On	8/13/2025 4:06:52 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641		
ICV Standard	MP86752,MP86656		
CCV Standard	MP86646		
ICSA Standard	MP86651,MP86753		
CRI Standard	MP86656		
LCS Standard			
Chk Standard	MP86647,MP86648		

19	Q2769-01	001-WILLETS-PT-BLV	SAM	08/11/25 17:35		Jaswal	OK
20	Q2769-04	002-35TH-AVE(AUG)	SAM	08/11/25 17:40		Jaswal	OK
21	CCV02	CCV02	CCV	08/11/25 17:44		Jaswal	OK
22	CCB02	CCB02	CCB	08/11/25 17:48		Jaswal	OK
23	PB169154BL	PB169154BL	MB	08/11/25 17:52		Jaswal	OK
24	PB169154BS	PB169154BS	LCS	08/11/25 17:57		Jaswal	OK
25	Q2804-01	WATER-TREATMENT	SAM	08/11/25 18:01		Jaswal	OK
26	Q2805-01	RW8-SP100-2025080	SAM	08/11/25 18:05		Jaswal	OK
27	Q2805-02	RW8-SP303-2025080	SAM	08/11/25 18:09		Jaswal	OK
28	Q2805-02DUP	RW8-SP303-2025080	DUP	08/11/25 18:14		Jaswal	OK
29	Q2805-02L	RW8-SP303-2025080	SD	08/11/25 18:18		Jaswal	OK
30	Q2805-02MS	RW8-SP303-2025080	MS	08/11/25 18:22		Jaswal	OK
31	CCV03	CCV03	CCV	08/11/25 18:26		Jaswal	OK
32	CCB03	CCB03	CCB	08/11/25 18:30		Jaswal	OK
33	Q2805-02MSD	RW8-SP303-2025080	MSD	08/11/25 18:35		Jaswal	OK
34	Q2805-02A	RW8-SP303-2025080	PS	08/11/25 18:38	0.1ML OF EACH M6004 AND M6017	Jaswal	OK
35	Q2807-01	COMP-4	SAM	08/11/25 18:42		Jaswal	OK
36	Q2807-02	COMP-5	SAM	08/11/25 18:47		Jaswal	OK
37	Q2807-03	COMP-6	SAM	08/11/25 18:51		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136779

Review By	Janvi	Review On	8/13/2025 10:17:16 AM
Supervise By	jaswal	Supervise On	8/13/2025 4:06:52 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

38	Q2798-01	TP-6	SAM	08/11/25 18:55		Jaswal	OK
39	CCV04	CCV04	CCV	08/11/25 18:59		Jaswal	OK
40	CCB04	CCB04	CCB	08/11/25 19:03		Jaswal	OK

Prep Standard - Chemical Standard Summary

Order ID : Q2804

Test : Metals Group4

Prepbatch ID : PB169154,

Sequence ID/Qc Batch ID: LB136779, LB136779,

Standard ID :
MP85156,

Chemical ID :
M6151, M6158, M6180, M6181, 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	MP85156	04/07/2025	09/06/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 04/07/2025
FROM 1250.00000ml of M6151 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	08/17/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	09/09/2025	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 #
Inorganic Ventures	WW-LFS-1 / Laboratory Fortified Stock Solution 1, 125 ml	W2-MEB752149	02/05/2026	08/06/2025 / Janvi	07/22/2025 / Janvi	M6180

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-MEB7433480	02/05/2026	08/06/2025 / Janvi	07/22/2025 / Janvi	M6181

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

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



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

A handwritten signature in cursive script that reads 'Jamie Ethier'.
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

 **avantorsTM**



Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	16 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	10 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	3 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

 **avantor™**



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 Production

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).



2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	WW-LFS-1
Lot Number:	W2-MEB752149
Matrix:	5% (v/v) HNO ₃

M6180
R-37/22/23

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	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
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:

$$w_i = (1/u_{\text{char } i}^2) / (\sum (1/u_{\text{char } i}^2))$$

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{ITS}}^2 + u_{\text{TS}}^2)^{1/2}$$

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° - 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; 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



300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

Certificate of Analysis

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

M6181
R → 7/22/28

1.0 ACCREDITATION / REGISTRATION

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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

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:

$$w_i = (1/u_{\text{char } i})^2 / (\sum (1/u_{\text{char } i})^2)$$

$$\text{CRM/RM Expanded Uncertainty (z)} = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

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

$$\text{CRM/RM Expanded Uncertainty (z)} = U_{\text{CRM/RM}} = k (u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

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





SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Verina Consulting Group
ADDRESS: 1011 US Highway 22, Suite 302
CITY Bridgewater STATE: NJ ZIP: 08807
ATTENTION: Michael Vauenzi
PHONE: 908-864-4400 FAX: 908-864-4401

PROJECT NAME: Rotax Clip
PROJECT NO.: 5183-0001 LOCATION: NJ
PROJECT MANAGER: Michael Vauenzi
e-mail: mvauenzi@vcg-llc.com
PHONE: 908-864-4400 FAX: 908-864-4401

BILL TO: See Left PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 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

1. 2. 3. 4. 5. 6. 7. 8. 9.
Cr, Cu, Ni, Zn
Chromium Demand
Ammonia

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		B	E	C							
1.	<u>Water Treatment Discharge</u>	<u>WW</u>	<u>X</u>		<u>8/7/25</u>	<u>10:48</u>	<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>							
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>Muhl Val</u>	DATE/TIME: <u>8/7/25</u> <u>11:30</u>	RECEIVED BY: <u>[Signature]</u> <u>8-7-25</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>30.2</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY:	Comments: <u>Flow Rate = 3G</u> <u>pH = 9.1</u> <u>Temperature = 76.3°F</u> <u>Cr, Cu, Ni, Zn = Metals Group 4</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>8-7-25</u>	RECEIVED BY:	Page <u>1</u> of <u>1</u> CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488