

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

LAB CHRONICLE

OrderID:	Q2785	OrderDate:	8/6/2025 11:37:24 AM
Client:	Xin Nie	Project:	NJUC residential water quality testing
Contact:	Xin Nie	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2785-01	WATER	Water			08/05/25			08/06/25
			Mercury	245.1		08/12/25	08/12/25	
			Metals ICP-TAL	200.7		08/11/25	08/12/25	

Hit Summary Sheet SW-846

SDG No.: Q2785

Order ID: Q2785

Client: Xin Nie

Project ID: NJUC residential water quality testing

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WATER								
Q2785-01	WATER	Water	Aluminum	84.1		15.4	50.0	ug/L
Q2785-01	WATER	Water	Barium	46.6	J	9.75	50.0	ug/L
Q2785-01	WATER	Water	Cadmium	0.77	J	0.31	3.00	ug/L
Q2785-01	WATER	Water	Calcium	28600		86.4	1000	ug/L
Q2785-01	WATER	Water	Copper	6.75	J	1.89	10.0	ug/L
Q2785-01	WATER	Water	Iron	34.8	J	18.0	50.0	ug/L
Q2785-01	WATER	Water	Lead	26.8		1.21	6.00	ug/L
Q2785-01	WATER	Water	Magnesium	5880		104	1000	ug/L
Q2785-01	WATER	Water	Manganese	12.7		2.46	10.0	ug/L
Q2785-01	WATER	Water	Nickel	2.48	J	1.90	20.0	ug/L
Q2785-01	WATER	Water	Potassium	1740		309	1000	ug/L
Q2785-01	WATER	Water	Sodium	57800		367	1000	ug/L
Q2785-01	WATER	Water	Zinc	441		2.00	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Xin Nie	Date Collected:	08/05/25
Project:	NJUC residential water quality testing	Date Received:	08/06/25
Client Sample ID:	WATER	SDG No.:	Q2785
Lab Sample ID:	Q2785-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	84.1		1	15.4	50.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-36-0	Antimony	2.72	U	1	2.72	25.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-38-2	Arsenic	1.85	U	1	1.85	10.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-39-3	Barium	46.6	J	1	9.75	50.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-41-7	Beryllium	0.27	U	1	0.27	3.00	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-43-9	Cadmium	0.77	J	1	0.31	3.00	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-70-2	Calcium	28600		1	86.4	1000	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-47-3	Chromium	0.53	U	1	0.53	5.00	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-48-4	Cobalt	1.16	U	1	1.16	15.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-50-8	Copper	6.75	J	1	1.89	10.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7439-89-6	Iron	34.8	J	1	18.0	50.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7439-92-1	Lead	26.8		1	1.21	6.00	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7439-95-4	Magnesium	5880	N	1	104	1000	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7439-96-5	Manganese	12.7		1	2.46	10.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7439-97-6	Mercury	0.027	U	1	0.027	0.20	ug/L	08/12/25 13:50	08/12/25 18:01	E245.1	
7440-02-0	Nickel	2.48	J	1	1.90	20.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-09-7	Potassium	1740	N	1	309	1000	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7782-49-2	Selenium	2.52	U	1	2.52	10.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-22-4	Silver	0.81	U	1	0.81	5.00	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-23-5	Sodium	57800		1	367	1000	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-28-0	Thallium	2.51	U	1	2.51	20.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-62-2	Vanadium	2.49	U	1	2.49	20.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	
7440-66-6	Zinc	441	N	1	2.00	20.0	ug/L	08/11/25 12:55	08/12/25 13:20	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	METALS-TAL			

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: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV11	Mercury	4.06	4.0	102	95 - 105	CV	08/12/2025	17:35	LB136791

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV32	Mercury	4.97	5.0	99	90 - 110	CV	08/12/2025	17:42	LB136791
CCV33	Mercury	4.66	5.0	93	90 - 110	CV	08/12/2025	18:18	LB136791
CCV34	Mercury	4.75	5.0	95	90 - 110	CV	08/12/2025	18:30	LB136791

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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	Aluminum	7680	8000	96	95 - 105	P	08/12/2025	11:34	LB136789
	Antimony	3940	4000	98	95 - 105	P	08/12/2025	11:34	LB136789
	Arsenic	3830	4000	96	95 - 105	P	08/12/2025	11:34	LB136789
	Barium	7750	8000	97	95 - 105	P	08/12/2025	11:34	LB136789
	Beryllium	191	200	96	95 - 105	P	08/12/2025	11:34	LB136789
	Cadmium	1900	2000	95	95 - 105	P	08/12/2025	11:34	LB136789
	Calcium	19300	20000	96	95 - 105	P	08/12/2025	11:34	LB136789
	Chromium	794	800	99	95 - 105	P	08/12/2025	11:34	LB136789
	Cobalt	1950	2000	98	95 - 105	P	08/12/2025	11:34	LB136789
	Copper	999	1000	100	95 - 105	P	08/12/2025	11:34	LB136789
	Iron	3930	4000	98	95 - 105	P	08/12/2025	11:34	LB136789
	Lead	4050	4000	101	95 - 105	P	08/12/2025	11:34	LB136789
	Magnesium	19200	20000	96	95 - 105	P	08/12/2025	11:34	LB136789
	Manganese	1930	2000	97	95 - 105	P	08/12/2025	11:34	LB136789
	Nickel	1950	2000	98	95 - 105	P	08/12/2025	11:34	LB136789
	Potassium	19200	20000	96	95 - 105	P	08/12/2025	11:34	LB136789
	Selenium	3800	4000	95	95 - 105	P	08/12/2025	11:34	LB136789
	Silver	1010	1000	101	95 - 105	P	08/12/2025	11:34	LB136789
	Sodium	19200	20000	96	95 - 105	P	08/12/2025	11:34	LB136789
	Thallium	3860	4000	96	95 - 105	P	08/12/2025	11:34	LB136789
	Vanadium	1940	2000	97	95 - 105	P	08/12/2025	11:34	LB136789
	Zinc	1950	2000	97	95 - 105	P	08/12/2025	11:34	LB136789

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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	Aluminum	99.4	100	99	80 - 120	P	08/12/2025	11:43	LB136789
	Antimony	51.1	50.0	102	80 - 120	P	08/12/2025	11:43	LB136789
	Arsenic	22.2	20.0	111	80 - 120	P	08/12/2025	11:43	LB136789
	Barium	91.1	100	91	80 - 120	P	08/12/2025	11:43	LB136789
	Beryllium	5.84	6.0	97	80 - 120	P	08/12/2025	11:43	LB136789
	Cadmium	5.45	6.0	91	80 - 120	P	08/12/2025	11:43	LB136789
	Calcium	1990	2000	99	80 - 120	P	08/12/2025	11:43	LB136789
	Chromium	9.95	10.0	100	80 - 120	P	08/12/2025	11:43	LB136789
	Cobalt	29.0	30.0	97	80 - 120	P	08/12/2025	11:43	LB136789
	Copper	21.2	20.0	106	80 - 120	P	08/12/2025	11:43	LB136789
	Iron	102	100	102	80 - 120	P	08/12/2025	11:43	LB136789
	Lead	10.9	12.0	91	80 - 120	P	08/12/2025	11:43	LB136789
	Magnesium	2090	2000	104	80 - 120	P	08/12/2025	11:43	LB136789
	Manganese	20.5	20.0	103	80 - 120	P	08/12/2025	11:43	LB136789
	Nickel	39.0	40.0	97	80 - 120	P	08/12/2025	11:43	LB136789
	Potassium	1730	2000	86	80 - 120	P	08/12/2025	11:43	LB136789
	Selenium	18.2	20.0	91	80 - 120	P	08/12/2025	11:43	LB136789
	Silver	10.2	10.0	102	80 - 120	P	08/12/2025	11:43	LB136789
	Sodium	1730	2000	86	80 - 120	P	08/12/2025	11:43	LB136789
	Thallium	33.4	40.0	83	80 - 120	P	08/12/2025	11:43	LB136789
	Vanadium	42.7	40.0	107	80 - 120	P	08/12/2025	11:43	LB136789
	Zinc	40.5	40.0	101	80 - 120	P	08/12/2025	11:43	LB136789

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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	Aluminum	9600	10000	96	90 - 110	P	08/12/2025	12:50	LB136789
	Antimony	4970	5000	99	90 - 110	P	08/12/2025	12:50	LB136789
	Arsenic	4910	5000	98	90 - 110	P	08/12/2025	12:50	LB136789
	Barium	9910	10000	99	90 - 110	P	08/12/2025	12:50	LB136789
	Beryllium	249	250	99	90 - 110	P	08/12/2025	12:50	LB136789
	Cadmium	2380	2500	95	90 - 110	P	08/12/2025	12:50	LB136789
	Calcium	24100	25000	96	90 - 110	P	08/12/2025	12:50	LB136789
	Chromium	968	1000	97	90 - 110	P	08/12/2025	12:50	LB136789
	Cobalt	2390	2500	96	90 - 110	P	08/12/2025	12:50	LB136789
	Copper	1220	1250	98	90 - 110	P	08/12/2025	12:50	LB136789
	Iron	5030	5000	101	90 - 110	P	08/12/2025	12:50	LB136789
	Lead	4880	5000	98	90 - 110	P	08/12/2025	12:50	LB136789
	Magnesium	24100	25000	96	90 - 110	P	08/12/2025	12:50	LB136789
	Manganese	2420	2500	97	90 - 110	P	08/12/2025	12:50	LB136789
	Nickel	2400	2500	96	90 - 110	P	08/12/2025	12:50	LB136789
	Potassium	25000	25000	100	90 - 110	P	08/12/2025	12:50	LB136789
	Selenium	4910	5000	98	90 - 110	P	08/12/2025	12:50	LB136789
	Silver	1230	1250	98	90 - 110	P	08/12/2025	12:50	LB136789
	Sodium	25000	25000	100	90 - 110	P	08/12/2025	12:50	LB136789
	Thallium	4870	5000	97	90 - 110	P	08/12/2025	12:50	LB136789
	Vanadium	2440	2500	98	90 - 110	P	08/12/2025	12:50	LB136789
	Zinc	2480	2500	99	90 - 110	P	08/12/2025	12:50	LB136789
CCV02	Aluminum	9870	10000	99	90 - 110	P	08/12/2025	14:27	LB136789
	Antimony	5220	5000	104	90 - 110	P	08/12/2025	14:27	LB136789
	Arsenic	5160	5000	103	90 - 110	P	08/12/2025	14:27	LB136789
	Barium	9880	10000	99	90 - 110	P	08/12/2025	14:27	LB136789
	Beryllium	229	250	91	90 - 110	P	08/12/2025	14:27	LB136789
	Cadmium	2460	2500	98	90 - 110	P	08/12/2025	14:27	LB136789
	Calcium	24300	25000	97	90 - 110	P	08/12/2025	14:27	LB136789
	Chromium	1000	1000	100	90 - 110	P	08/12/2025	14:27	LB136789
	Cobalt	2470	2500	99	90 - 110	P	08/12/2025	14:27	LB136789
	Copper	1270	1250	102	90 - 110	P	08/12/2025	14:27	LB136789
	Iron	5300	5000	106	90 - 110	P	08/12/2025	14:27	LB136789
	Lead	4880	5000	98	90 - 110	P	08/12/2025	14:27	LB136789

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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
CCV02	Magnesium	24000	25000	96	90 - 110	P	08/12/2025	14:27	LB136789
	Manganese	2440	2500	97	90 - 110	P	08/12/2025	14:27	LB136789
	Nickel	2480	2500	99	90 - 110	P	08/12/2025	14:27	LB136789
	Potassium	26700	25000	107	90 - 110	P	08/12/2025	14:27	LB136789
	Selenium	5250	5000	105	90 - 110	P	08/12/2025	14:27	LB136789
	Silver	1260	1250	101	90 - 110	P	08/12/2025	14:27	LB136789
	Sodium	24700	25000	99	90 - 110	P	08/12/2025	14:27	LB136789
	Thallium	5280	5000	106	90 - 110	P	08/12/2025	14:27	LB136789
	Vanadium	2490	2500	100	90 - 110	P	08/12/2025	14:27	LB136789
	Zinc	2560	2500	102	90 - 110	P	08/12/2025	14:27	LB136789
CCV03	Aluminum	9920	10000	99	90 - 110	P	08/12/2025	16:07	LB136789
	Antimony	5180	5000	104	90 - 110	P	08/12/2025	16:07	LB136789
	Arsenic	5110	5000	102	90 - 110	P	08/12/2025	16:07	LB136789
	Barium	9960	10000	100	90 - 110	P	08/12/2025	16:07	LB136789
	Beryllium	229	250	91	90 - 110	P	08/12/2025	16:07	LB136789
	Cadmium	2430	2500	97	90 - 110	P	08/12/2025	16:07	LB136789
	Calcium	24200	25000	97	90 - 110	P	08/12/2025	16:07	LB136789
	Chromium	990	1000	99	90 - 110	P	08/12/2025	16:07	LB136789
	Cobalt	2440	2500	98	90 - 110	P	08/12/2025	16:07	LB136789
	Copper	1260	1250	101	90 - 110	P	08/12/2025	16:07	LB136789
	Iron	5310	5000	106	90 - 110	P	08/12/2025	16:07	LB136789
	Lead	4820	5000	96	90 - 110	P	08/12/2025	16:07	LB136789
	Magnesium	23900	25000	96	90 - 110	P	08/12/2025	16:07	LB136789
	Manganese	2440	2500	98	90 - 110	P	08/12/2025	16:07	LB136789
	Nickel	2450	2500	98	90 - 110	P	08/12/2025	16:07	LB136789
	Potassium	26400	25000	106	90 - 110	P	08/12/2025	16:07	LB136789
	Selenium	5200	5000	104	90 - 110	P	08/12/2025	16:07	LB136789
	Silver	1260	1250	100	90 - 110	P	08/12/2025	16:07	LB136789
	Sodium	24900	25000	100	90 - 110	P	08/12/2025	16:07	LB136789
	Thallium	5060	5000	101	90 - 110	P	08/12/2025	16:07	LB136789
	Vanadium	2490	2500	100	90 - 110	P	08/12/2025	16:07	LB136789
	Zinc	2520	2500	101	90 - 110	P	08/12/2025	16:07	LB136789
CCV04	Aluminum	9960	10000	100	90 - 110	P	08/12/2025	16:30	LB136789
	Antimony	5290	5000	106	90 - 110	P	08/12/2025	16:30	LB136789

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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
CCV04	Arsenic	5230	5000	104	90 - 110	P	08/12/2025	16:30	LB136789
	Barium	10100	10000	101	90 - 110	P	08/12/2025	16:30	LB136789
	Beryllium	227	250	91	90 - 110	P	08/12/2025	16:30	LB136789
	Cadmium	2460	2500	98	90 - 110	P	08/12/2025	16:30	LB136789
	Calcium	24200	25000	97	90 - 110	P	08/12/2025	16:30	LB136789
	Chromium	995	1000	100	90 - 110	P	08/12/2025	16:30	LB136789
	Cobalt	2470	2500	99	90 - 110	P	08/12/2025	16:30	LB136789
	Copper	1280	1250	103	90 - 110	P	08/12/2025	16:30	LB136789
	Iron	5400	5000	108	90 - 110	P	08/12/2025	16:30	LB136789
	Lead	4870	5000	97	90 - 110	P	08/12/2025	16:30	LB136789
	Magnesium	23900	25000	96	90 - 110	P	08/12/2025	16:30	LB136789
	Manganese	2440	2500	98	90 - 110	P	08/12/2025	16:30	LB136789
	Nickel	2490	2500	100	90 - 110	P	08/12/2025	16:30	LB136789
	Potassium	26700	25000	107	90 - 110	P	08/12/2025	16:30	LB136789
	Selenium	5330	5000	107	90 - 110	P	08/12/2025	16:30	LB136789
	Silver	1270	1250	101	90 - 110	P	08/12/2025	16:30	LB136789
	Sodium	25200	25000	101	90 - 110	P	08/12/2025	16:30	LB136789
	Thallium	5020	5000	100	90 - 110	P	08/12/2025	16:30	LB136789
	Vanadium	2500	2500	100	90 - 110	P	08/12/2025	16:30	LB136789
	Zinc	2500	2500	100	90 - 110	P	08/12/2025	16:30	LB136789

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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	Aluminum	103	100	103	65 - 135	P	08/12/2025	11:56	LB136789
	Antimony	48.6	50.0	97	65 - 135	P	08/12/2025	11:56	LB136789
	Arsenic	21.6	20.0	108	65 - 135	P	08/12/2025	11:56	LB136789
	Barium	91.6	100	92	65 - 135	P	08/12/2025	11:56	LB136789
	Beryllium	5.75	6.0	96	65 - 135	P	08/12/2025	11:56	LB136789
	Cadmium	5.34	6.0	89	65 - 135	P	08/12/2025	11:56	LB136789
	Calcium	1970	2000	98	65 - 135	P	08/12/2025	11:56	LB136789
	Chromium	9.88	10.0	99	65 - 135	P	08/12/2025	11:56	LB136789
	Cobalt	28.5	30.0	95	65 - 135	P	08/12/2025	11:56	LB136789
	Copper	20.3	20.0	102	65 - 135	P	08/12/2025	11:56	LB136789
	Iron	98.1	100	98	65 - 135	P	08/12/2025	11:56	LB136789
	Lead	11.1	12.0	93	65 - 135	P	08/12/2025	11:56	LB136789
	Magnesium	2060	2000	103	65 - 135	P	08/12/2025	11:56	LB136789
	Manganese	20.4	20.0	102	65 - 135	P	08/12/2025	11:56	LB136789
	Nickel	38.5	40.0	96	65 - 135	P	08/12/2025	11:56	LB136789
	Potassium	1640	2000	82	65 - 135	P	08/12/2025	11:56	LB136789
	Selenium	17.3	20.0	86	65 - 135	P	08/12/2025	11:56	LB136789
	Silver	10.4	10.0	104	65 - 135	P	08/12/2025	11:56	LB136789
	Sodium	1670	2000	84	65 - 135	P	08/12/2025	11:56	LB136789
	Thallium	32.8	40.0	82	65 - 135	P	08/12/2025	11:56	LB136789
	Vanadium	39.2	40.0	98	65 - 135	P	08/12/2025	11:56	LB136789
	Zinc	40.0	40.0	100	65 - 135	P	08/12/2025	11:56	LB136789
CRA	Mercury	0.038	0.05	76	60 - 140	CV	08/12/2025	17:47	LB136791



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB11	Mercury	0.027	+/-0.2	U	0.20	CV	08/12/2025	17:40	LB136791

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB32	Mercury	0.027	+/-0.2	U	0.20	CV	08/12/2025	17:45	LB136791
CCB33	Mercury	0.027	+/-0.2	U	0.20	CV	08/12/2025	18:20	LB136791
CCB34	Mercury	0.027	+/-0.2	U	0.20	CV	08/12/2025	18:32	LB136791

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	08/12/2025	11:48	LB136789
	Antimony	6.76	+/-25	U	50.0	P	08/12/2025	11:48	LB136789
	Arsenic	5.12	+/-10	U	20.0	P	08/12/2025	11:48	LB136789
	Barium	14.6	+/-50	U	100	P	08/12/2025	11:48	LB136789
	Beryllium	0.56	+/-3	U	6.00	P	08/12/2025	11:48	LB136789
	Cadmium	0.50	+/-3	U	6.00	P	08/12/2025	11:48	LB136789
	Calcium	234	+/-1000	U	2000	P	08/12/2025	11:48	LB136789
	Chromium	2.12	+/-5	U	10.0	P	08/12/2025	11:48	LB136789
	Cobalt	2.26	+/-15	U	30.0	P	08/12/2025	11:48	LB136789
	Copper	4.60	+/-10	U	20.0	P	08/12/2025	11:48	LB136789
	Iron	23.4	+/-50	U	100	P	08/12/2025	11:48	LB136789
	Lead	2.30	+/-6	U	12.0	P	08/12/2025	11:48	LB136789
	Magnesium	244	+/-1000	U	2000	P	08/12/2025	11:48	LB136789
	Manganese	5.94	+/-10	U	20.0	P	08/12/2025	11:48	LB136789
	Nickel	3.06	+/-20	U	40.0	P	08/12/2025	11:48	LB136789
	Potassium	918	+/-1000	U	2000	P	08/12/2025	11:48	LB136789
	Selenium	9.64	+/-10	U	20.0	P	08/12/2025	11:48	LB136789
	Silver	1.62	+/-5	U	10.0	P	08/12/2025	11:48	LB136789
	Sodium	868	+/-1000	U	2000	P	08/12/2025	11:48	LB136789
	Thallium	4.38	+/-20	U	40.0	P	08/12/2025	11:48	LB136789
	Vanadium	6.26	+/-20	U	40.0	P	08/12/2025	11:48	LB136789
	Zinc	16.7	+/-20	U	40.0	P	08/12/2025	11:48	LB136789

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	13.2	+/-50	J	100	P	08/12/2025	12:54	LB136789
	Antimony	6.76	+/-25	U	50.0	P	08/12/2025	12:54	LB136789
	Arsenic	5.12	+/-10	U	20.0	P	08/12/2025	12:54	LB136789
	Barium	14.6	+/-50	U	100	P	08/12/2025	12:54	LB136789
	Beryllium	0.56	+/-3	U	6.00	P	08/12/2025	12:54	LB136789
	Cadmium	0.50	+/-3	U	6.00	P	08/12/2025	12:54	LB136789
	Calcium	234	+/-1000	U	2000	P	08/12/2025	12:54	LB136789
	Chromium	2.12	+/-5	U	10.0	P	08/12/2025	12:54	LB136789
	Cobalt	2.26	+/-15	U	30.0	P	08/12/2025	12:54	LB136789
	Copper	4.60	+/-10	U	20.0	P	08/12/2025	12:54	LB136789
	Iron	23.4	+/-50	U	100	P	08/12/2025	12:54	LB136789
	Lead	2.30	+/-6	U	12.0	P	08/12/2025	12:54	LB136789
	Magnesium	244	+/-1000	U	2000	P	08/12/2025	12:54	LB136789
	Manganese	5.94	+/-10	U	20.0	P	08/12/2025	12:54	LB136789
	Nickel	3.06	+/-20	U	40.0	P	08/12/2025	12:54	LB136789
	Potassium	918	+/-1000	U	2000	P	08/12/2025	12:54	LB136789
	Selenium	9.64	+/-10	U	20.0	P	08/12/2025	12:54	LB136789
	Silver	1.62	+/-5	U	10.0	P	08/12/2025	12:54	LB136789
	Sodium	868	+/-1000	U	2000	P	08/12/2025	12:54	LB136789
	Thallium	4.38	+/-20	U	40.0	P	08/12/2025	12:54	LB136789
	Vanadium	6.26	+/-20	U	40.0	P	08/12/2025	12:54	LB136789
	Zinc	16.7	+/-20	U	40.0	P	08/12/2025	12:54	LB136789
CCB02	Aluminum	11.3	+/-50	U	100	P	08/12/2025	14:31	LB136789
	Antimony	6.76	+/-25	U	50.0	P	08/12/2025	14:31	LB136789
	Arsenic	5.12	+/-10	U	20.0	P	08/12/2025	14:31	LB136789
	Barium	14.6	+/-50	U	100	P	08/12/2025	14:31	LB136789
	Beryllium	0.56	+/-3	U	6.00	P	08/12/2025	14:31	LB136789
	Cadmium	0.50	+/-3	U	6.00	P	08/12/2025	14:31	LB136789
	Calcium	234	+/-1000	U	2000	P	08/12/2025	14:31	LB136789
	Chromium	2.12	+/-5	U	10.0	P	08/12/2025	14:31	LB136789
	Cobalt	2.26	+/-15	U	30.0	P	08/12/2025	14:31	LB136789
	Copper	4.60	+/-10	U	20.0	P	08/12/2025	14:31	LB136789
	Iron	23.4	+/-50	U	100	P	08/12/2025	14:31	LB136789
	Lead	2.30	+/-6	U	12.0	P	08/12/2025	14:31	LB136789
	Magnesium	244	+/-1000	U	2000	P	08/12/2025	14:31	LB136789
	Manganese	5.94	+/-10	U	20.0	P	08/12/2025	14:31	LB136789
	Nickel	3.06	+/-20	U	40.0	P	08/12/2025	14:31	LB136789
	Potassium	918	+/-1000	U	2000	P	08/12/2025	14:31	LB136789
	Selenium	9.64	+/-10	U	20.0	P	08/12/2025	14:31	LB136789

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	08/12/2025	14:31	LB136789
	Sodium	868	+/-1000	U	2000	P	08/12/2025	14:31	LB136789
	Thallium	4.38	+/-20	U	40.0	P	08/12/2025	14:31	LB136789
	Vanadium	6.26	+/-20	U	40.0	P	08/12/2025	14:31	LB136789
	Zinc	16.7	+/-20	U	40.0	P	08/12/2025	14:31	LB136789
CCB03	Aluminum	14.5	+/-50	J	100	P	08/12/2025	16:11	LB136789
	Antimony	6.76	+/-25	U	50.0	P	08/12/2025	16:11	LB136789
	Arsenic	5.12	+/-10	U	20.0	P	08/12/2025	16:11	LB136789
	Barium	14.6	+/-50	U	100	P	08/12/2025	16:11	LB136789
	Beryllium	0.56	+/-3	U	6.00	P	08/12/2025	16:11	LB136789
	Cadmium	0.50	+/-3	U	6.00	P	08/12/2025	16:11	LB136789
	Calcium	234	+/-1000	U	2000	P	08/12/2025	16:11	LB136789
	Chromium	2.12	+/-5	U	10.0	P	08/12/2025	16:11	LB136789
	Cobalt	2.26	+/-15	U	30.0	P	08/12/2025	16:11	LB136789
	Copper	4.60	+/-10	U	20.0	P	08/12/2025	16:11	LB136789
	Iron	23.4	+/-50	U	100	P	08/12/2025	16:11	LB136789
	Lead	2.30	+/-6	U	12.0	P	08/12/2025	16:11	LB136789
	Magnesium	244	+/-1000	U	2000	P	08/12/2025	16:11	LB136789
	Manganese	5.94	+/-10	U	20.0	P	08/12/2025	16:11	LB136789
	Nickel	3.06	+/-20	U	40.0	P	08/12/2025	16:11	LB136789
	Potassium	918	+/-1000	U	2000	P	08/12/2025	16:11	LB136789
	Selenium	9.64	+/-10	U	20.0	P	08/12/2025	16:11	LB136789
	Silver	1.62	+/-5	U	10.0	P	08/12/2025	16:11	LB136789
	Sodium	868	+/-1000	U	2000	P	08/12/2025	16:11	LB136789
	Thallium	4.38	+/-20	U	40.0	P	08/12/2025	16:11	LB136789
	Vanadium	6.26	+/-20	U	40.0	P	08/12/2025	16:11	LB136789
	Zinc	16.7	+/-20	U	40.0	P	08/12/2025	16:11	LB136789
CCB04	Aluminum	22.1	+/-50	J	100	P	08/12/2025	16:34	LB136789
	Antimony	6.76	+/-25	U	50.0	P	08/12/2025	16:34	LB136789
	Arsenic	5.12	+/-10	U	20.0	P	08/12/2025	16:34	LB136789
	Barium	14.6	+/-50	U	100	P	08/12/2025	16:34	LB136789
	Beryllium	0.56	+/-3	U	6.00	P	08/12/2025	16:34	LB136789
	Cadmium	0.50	+/-3	U	6.00	P	08/12/2025	16:34	LB136789
	Calcium	234	+/-1000	U	2000	P	08/12/2025	16:34	LB136789
	Chromium	2.12	+/-5	U	10.0	P	08/12/2025	16:34	LB136789
	Cobalt	2.26	+/-15	U	30.0	P	08/12/2025	16:34	LB136789
	Copper	4.60	+/-10	U	20.0	P	08/12/2025	16:34	LB136789
	Iron	23.4	+/-50	U	100	P	08/12/2025	16:34	LB136789
	Lead	2.30	+/-6	U	12.0	P	08/12/2025	16:34	LB136789

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	08/12/2025	16:34	LB136789
	Manganese	5.94	+/-10	U	20.0	P	08/12/2025	16:34	LB136789
	Nickel	3.06	+/-20	U	40.0	P	08/12/2025	16:34	LB136789
	Potassium	918	+/-1000	U	2000	P	08/12/2025	16:34	LB136789
	Selenium	9.64	+/-10	U	20.0	P	08/12/2025	16:34	LB136789
	Silver	1.62	+/-5	U	10.0	P	08/12/2025	16:34	LB136789
	Sodium	868	+/-1000	U	2000	P	08/12/2025	16:34	LB136789
	Thallium	4.38	+/-20	U	40.0	P	08/12/2025	16:34	LB136789
	Vanadium	6.26	+/-20	U	40.0	P	08/12/2025	16:34	LB136789
	Zinc	16.7	+/-20	U	40.0	P	08/12/2025	16:34	LB136789

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Xin Nie

SDG No.: Q2785

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169219BL		WATER		Batch Number:	PB169219		Prep Date:	08/12/2025	
	Mercury	0.027	<0.2	U	0.20	CV	08/12/2025	17:57	LB136791

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Xin Nie

SDG No.: Q2785

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169195BL	WATER			Batch Number:	PB169195		Prep Date:	08/11/2025	
	Aluminum	15.4	<25	U	50.0	P	08/12/2025	12:58	LB136789
	Antimony	2.72	<12.5	U	25.0	P	08/12/2025	12:58	LB136789
	Arsenic	1.85	<5	U	10.0	P	08/12/2025	12:58	LB136789
	Barium	9.75	<25	U	50.0	P	08/12/2025	12:58	LB136789
	Beryllium	0.27	<1.5	U	3.00	P	08/12/2025	12:58	LB136789
	Cadmium	0.31	<1.5	U	3.00	P	08/12/2025	12:58	LB136789
	Calcium	86.4	<500	U	1000	P	08/12/2025	12:58	LB136789
	Chromium	0.53	<2.5	U	5.00	P	08/12/2025	12:58	LB136789
	Cobalt	1.16	<7.5	U	15.0	P	08/12/2025	12:58	LB136789
	Copper	1.89	<5	U	10.0	P	08/12/2025	12:58	LB136789
	Iron	18.0	<25	U	50.0	P	08/12/2025	12:58	LB136789
	Lead	1.21	<3	U	6.00	P	08/12/2025	12:58	LB136789
	Magnesium	104	<500	U	1000	P	08/12/2025	12:58	LB136789
	Manganese	2.46	<5	U	10.0	P	08/12/2025	12:58	LB136789
	Nickel	1.90	<10	U	20.0	P	08/12/2025	12:58	LB136789
	Potassium	309	<500	U	1000	P	08/12/2025	12:58	LB136789
	Selenium	2.52	<5	U	10.0	P	08/12/2025	12:58	LB136789
	Silver	0.81	<2.5	U	5.00	P	08/12/2025	12:58	LB136789
	Sodium	367	<500	U	1000	P	08/12/2025	12:58	LB136789
	Thallium	2.51	<10	U	20.0	P	08/12/2025	12:58	LB136789
	Vanadium	2.49	<10	U	20.0	P	08/12/2025	12:58	LB136789
	Zinc	2.00	<10	U	20.0	P	08/12/2025	12:58	LB136789

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Xin Nie</u>	SDG No.: <u>Q2785</u>
Contract: <u>XINN01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	237000	255000	93	216000	294000	08/12/2025	12:00	LB136789
	Antimony	-4.63			-50	50	08/12/2025	12:00	LB136789
	Arsenic	9.40			-20	20	08/12/2025	12:00	LB136789
	Barium	-3.44	6.0	57	-94	106	08/12/2025	12:00	LB136789
	Beryllium	1.34			-6	6	08/12/2025	12:00	LB136789
	Cadmium	1.01	1.0	101	-5	7	08/12/2025	12:00	LB136789
	Calcium	227000	245000	93	208000	282000	08/12/2025	12:00	LB136789
	Chromium	57.4	52.0	110	42	62	08/12/2025	12:00	LB136789
	Cobalt	1.47			-30	30	08/12/2025	12:00	LB136789
	Copper	4.88	2.0	244	-18	22	08/12/2025	12:00	LB136789
	Iron	98300	101000	97	85600	116500	08/12/2025	12:00	LB136789
	Lead	-7.54			-12	12	08/12/2025	12:00	LB136789
	Magnesium	240000	255000	94	216000	294000	08/12/2025	12:00	LB136789
	Manganese	7.76	7.0	111	-13	27	08/12/2025	12:00	LB136789
	Nickel	5.34	2.0	267	-38	42	08/12/2025	12:00	LB136789
	Potassium	-88.4			0	0	08/12/2025	12:00	LB136789
	Selenium	3.67			-20	20	08/12/2025	12:00	LB136789
	Silver	2.23			-10	10	08/12/2025	12:00	LB136789
	Sodium	-85.2			0	0	08/12/2025	12:00	LB136789
	Thallium	1.31			-40	40	08/12/2025	12:00	LB136789
	Vanadium	3.28			-40	40	08/12/2025	12:00	LB136789
	Zinc	2.31			-40	40	08/12/2025	12:00	LB136789
ICSAB01	Aluminum	242000	247000	98	209000	285000	08/12/2025	12:06	LB136789
	Antimony	584	618	94	525	711	08/12/2025	12:06	LB136789
	Arsenic	109	104	105	88.4	120	08/12/2025	12:06	LB136789
	Barium	483	537	90	437	637	08/12/2025	12:06	LB136789
	Beryllium	474	495	96	420	570	08/12/2025	12:06	LB136789
	Cadmium	957	972	98	826	1120	08/12/2025	12:06	LB136789
	Calcium	231000	235000	98	199000	271000	08/12/2025	12:06	LB136789
	Chromium	547	542	101	460	624	08/12/2025	12:06	LB136789
	Cobalt	484	476	102	404	548	08/12/2025	12:06	LB136789
	Copper	475	511	93	434	588	08/12/2025	12:06	LB136789
	Iron	100000	99300	101	84400	114500	08/12/2025	12:06	LB136789
	Lead	39.5	49.0	81	37	61	08/12/2025	12:06	LB136789
	Magnesium	243000	248000	98	210000	286000	08/12/2025	12:06	LB136789
	Manganese	483	507	95	430	584	08/12/2025	12:06	LB136789
	Nickel	966	954	101	810	1100	08/12/2025	12:06	LB136789
	Potassium	-167			0	0	08/12/2025	12:06	LB136789
	Selenium	53.2	46.0	116	26	66	08/12/2025	12:06	LB136789
	Silver	212	201	106	170	232	08/12/2025	12:06	LB136789
	Sodium	-77.7			0	0	08/12/2025	12:06	LB136789
	Thallium	98.4	108	91	68	148	08/12/2025	12:06	LB136789

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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
ICSAB01	Vanadium	473	491	96	417	565	08/12/2025	12:06	LB136789
	Zinc	1010	952	106	809	1095	08/12/2025	12:06	LB136789
ICSA	Aluminum	233000	255000	91	216000	294000	08/12/2025	12:10	LB136789
	Antimony	-41.0			-50	50	08/12/2025	12:10	LB136789
	Arsenic	43.5			-20	20	08/12/2025	12:10	LB136789
	Barium	-107	6.0	1783	-94	106	08/12/2025	12:10	LB136789
	Beryllium	2.59			-6	6	08/12/2025	12:10	LB136789
	Cadmium	-2.80	1.0	280	-5	7	08/12/2025	12:10	LB136789
	Calcium	233000	245000	95	208000	282000	08/12/2025	12:10	LB136789
	Chromium	57.2	52.0	110	42	62	08/12/2025	12:10	LB136789
	Cobalt	-4.02			-30	30	08/12/2025	12:10	LB136789
	Copper	4.26	2.0	213	-18	22	08/12/2025	12:10	LB136789
	Iron	94000	101000	93	85600	116500	08/12/2025	12:10	LB136789
	Lead	-5.72			-12	12	08/12/2025	12:10	LB136789
	Magnesium	241000	255000	94	216000	294000	08/12/2025	12:10	LB136789
	Manganese	2.24	7.0	32	-13	27	08/12/2025	12:10	LB136789
	Nickel	0.64	2.0	32	-38	42	08/12/2025	12:10	LB136789
	Potassium	-5920			0	0	08/12/2025	12:10	LB136789
	Selenium	-20.3			-20	20	08/12/2025	12:10	LB136789
	Silver	5.47			-10	10	08/12/2025	12:10	LB136789
	Sodium	-4070			0	0	08/12/2025	12:10	LB136789
	Thallium	-35.9			-40	40	08/12/2025	12:10	LB136789
	Vanadium	35.3			-40	40	08/12/2025	12:10	LB136789
	Zinc	3.13			-40	40	08/12/2025	12:10	LB136789
ICSAB	Aluminum	234000	247000	95	209000	285000	08/12/2025	12:15	LB136789
	Antimony	586	618	95	525	711	08/12/2025	12:15	LB136789
	Arsenic	110	104	106	88.4	120	08/12/2025	12:15	LB136789
	Barium	358	537	67	437	637	08/12/2025	12:15	LB136789
	Beryllium	477	495	96	420	570	08/12/2025	12:15	LB136789
	Cadmium	944	972	97	826	1120	08/12/2025	12:15	LB136789
	Calcium	234000	235000	100	199000	271000	08/12/2025	12:15	LB136789
	Chromium	553	542	102	460	624	08/12/2025	12:15	LB136789
	Cobalt	477	476	100	404	548	08/12/2025	12:15	LB136789
	Copper	510	511	100	434	588	08/12/2025	12:15	LB136789
	Iron	95800	99300	96	84400	114500	08/12/2025	12:15	LB136789
	Lead	17.4	49.0	36	37	61	08/12/2025	12:15	LB136789
	Magnesium	242000	248000	98	210000	286000	08/12/2025	12:15	LB136789
	Manganese	480	507	95	430	584	08/12/2025	12:15	LB136789
	Nickel	962	954	101	810	1100	08/12/2025	12:15	LB136789
	Potassium	-6140			0	0	08/12/2025	12:15	LB136789
	Selenium	11.6	46.0	25	26	66	08/12/2025	12:15	LB136789
	Silver	198	201	98	170	232	08/12/2025	12:15	LB136789

Metals

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INTERFERENCE CHECK SAMPLE

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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
ICSAB	Sodium	-3980			0	0	08/12/2025	12:15	LB136789
	Thallium	89.3	108	83	68	148	08/12/2025	12:15	LB136789
	Vanadium	552	491	112	417	565	08/12/2025	12:15	LB136789
	Zinc	975	952	102	809	1095	08/12/2025	12:15	LB136789



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Xin Nie **level:** low **sdg no.:** Q2785
contract: XINN01 **lab code:** ACE
matrix: Water **sample id:** Q2785-01 **client id:** WATERMS
Percent Solids for Sample: NA **Spiked ID:** Q2785-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.83		0.20	U	4.0	96		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Xin Nie **level:** low **sdg no.:** Q2785
contract: XINN01 **lab code:** ACE
matrix: Water **sample id:** Q2785-01 **client id:** WATERMSD
Percent Solids for Sample: NA **Spiked ID:** Q2785-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.83		0.20	U	4.0	96		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Xin Nie **level:** low **sdg no.:** Q2785
contract: XINN01 **lab code:** ACE
matrix: Water **sample id:** Q2811-02 **client id:** EFF-WASTE WATERMS
Percent Solids for Sample: NA **Spiked ID:** Q2811-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	976		50.3		1000	93		P
Antimony	ug/L	75 - 125	401		25.0	U	400	100		P
Arsenic	ug/L	75 - 125	399		10.0	U	400	100		P
Barium	ug/L	75 - 125	95.9		50.0	U	100	96		P
Beryllium	ug/L	75 - 125	83.6		3.00	U	100	84		P
Cadmium	ug/L	75 - 125	93.8		3.00	U	100	94		P
Calcium	ug/L	75 - 125	13000		12400		500	111		P
Chromium	ug/L	75 - 125	194		0.65	J	200	96		P
Cobalt	ug/L	75 - 125	94.8		15.0	U	100	95		P
Copper	ug/L	75 - 125	223		84.6		150	92		P
Iron	ug/L	75 - 125	1820		201		1500	108		P
Lead	ug/L	75 - 125	430		1.76	J	500	86		P
Magnesium	ug/L	75 - 125	3890		3000		1000	89		P
Manganese	ug/L	75 - 125	147		55.3		100	92		P
Nickel	ug/L	75 - 125	237		20.0	U	250	95		P
Potassium	ug/L	75 - 125	8360		2190		5000	123		P
Selenium	ug/L	75 - 125	999		3.58	J	1000	100		P
Silver	ug/L	75 - 125	31.1		5.00	U	37.5	83		P
Sodium	ug/L	75 - 125	530000		534000		1500	-222		P
Thallium	ug/L	75 - 125	759		20.0	U	1000	76		P
Vanadium	ug/L	75 - 125	143		20.0	U	150	95		P
Zinc	ug/L	75 - 125	303		203		100	99		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Xin Nie</u>	level: <u>low</u>	sdg no.: <u>Q2785</u>
contract: <u>XINN01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2811-02</u>	client id: <u>EFF-WASTE WATERMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2811-02MSD</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
Aluminum	ug/L	75 - 125	1040		50.3		1000	99		P
Antimony	ug/L	75 - 125	432		25.0	U	400	108		P
Arsenic	ug/L	75 - 125	438		10.0	U	400	110		P
Barium	ug/L	75 - 125	101		50.0	U	100	101		P
Beryllium	ug/L	75 - 125	88.5		3.00	U	100	88		P
Cadmium	ug/L	75 - 125	100		3.00	U	100	100		P
Calcium	ug/L	75 - 125	14300		12400		500	380		P
Chromium	ug/L	75 - 125	203		0.65	J	200	101		P
Cobalt	ug/L	75 - 125	101		15.0	U	100	101		P
Copper	ug/L	75 - 125	243		84.6		150	106		P
Iron	ug/L	75 - 125	1970		201		1500	118		P
Lead	ug/L	75 - 125	465		1.76	J	500	93		P
Magnesium	ug/L	75 - 125	4260		3000		1000	126	N	P
Manganese	ug/L	75 - 125	157		55.3		100	102		P
Nickel	ug/L	75 - 125	253		20.0	U	250	101		P
Potassium	ug/L	75 - 125	9530		2190		5000	147	N	P
Selenium	ug/L	75 - 125	1100		3.58	J	1000	110		P
Silver	ug/L	75 - 125	34.9		5.00	U	37.5	93		P
Sodium	ug/L	75 - 125	584000		534000		1500	3361		P
Thallium	ug/L	75 - 125	925		20.0	U	1000	92		P
Vanadium	ug/L	75 - 125	151		20.0	U	150	101		P
Zinc	ug/L	75 - 125	342		203		100	138	N	P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Matrix: Water

Level: LOW

Client ID: EFF-WASTE WATERA

Sample ID: Q2811-02

Spiked ID: Q2811-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Magnesium	ug/L	85 - 115	3870		3000		1000	86		P
Potassium	ug/L	85 - 115	8330		2190		5000	123	N	P
Zinc	ug/L	85 - 115	305		203		100	102		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Xin Nie</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2785</u>
Contract:	<u>XINN01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2785-01</u>	Client ID:	<u>WATERDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2785-01DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Xin Nie</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2785</u>
Contract:	<u>XINN01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2785-01MS</u>	Client ID:	<u>WATERMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2785-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.83		3.83		0		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Xin Nie **Level:** LOW **SDG No.:** Q2785
Contract: XINN01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2811-02 **Client ID:** EFF-WASTE WATERDUP
Percent Solids for Sample: NA **Duplicate ID** Q2811-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	50.3		49.6	J	1		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	50.0	U	50.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	12400		12300		1		P
Chromium	ug/L	20	0.65	J	0.62	J	6		P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	84.6		83.4		1		P
Iron	ug/L	20	201		191		5		P
Lead	ug/L	20	1.76	J	1.22	J	36		P
Magnesium	ug/L	20	3000		2970		1		P
Manganese	ug/L	20	55.3		53.9		3		P
Nickel	ug/L	20	20.0	U	20.0	U			P
Potassium	ug/L	20	2190		2250		3		P
Selenium	ug/L	20	3.58	J	10.0	U	200.0		P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	534000		514000		4		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	203		199		2		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Xin Nie **Level:** LOW **SDG No.:** Q2785
Contract: XINN01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2811-02MS **Client ID:** EFF-WASTE WATERMSD
Percent Solids for Sample: NA **Duplicate ID** Q2811-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	976		1040		6		P
Antimony	ug/L	20	401		432		7		P
Arsenic	ug/L	20	399		438		9		P
Barium	ug/L	20	95.9		101		5		P
Beryllium	ug/L	20	83.6		88.5		6		P
Cadmium	ug/L	20	93.8		100		6		P
Calcium	ug/L	20	13000		14300		10		P
Chromium	ug/L	20	194		203		5		P
Cobalt	ug/L	20	94.8		101		6		P
Copper	ug/L	20	223		243		9		P
Iron	ug/L	20	1820		1970		8		P
Lead	ug/L	20	430		465		8		P
Magnesium	ug/L	20	3890		4260		9		P
Manganese	ug/L	20	147		157		7		P
Nickel	ug/L	20	237		253		7		P
Potassium	ug/L	20	8360		9530		13		P
Selenium	ug/L	20	999		1100		10		P
Silver	ug/L	20	31.1		34.9		12		P
Sodium	ug/L	20	530000		584000		10		P
Thallium	ug/L	20	759		925		20		P
Vanadium	ug/L	20	143		151		5		P
Zinc	ug/L	20	303		342		12		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169195BS							
Aluminum	ug/L	1000	963		96	85 - 115	P
Antimony	ug/L	400	400		100	85 - 115	P
Arsenic	ug/L	400	383		96	85 - 115	P
Barium	ug/L	100	92.9		93	85 - 115	P
Beryllium	ug/L	100	93.7		94	85 - 115	P
Cadmium	ug/L	100	92.5		92	85 - 115	P
Calcium	ug/L	500	486	J	97	85 - 115	P
Chromium	ug/L	200	197		98	85 - 115	P
Cobalt	ug/L	100	95.4		95	85 - 115	P
Copper	ug/L	150	151		101	85 - 115	P
Iron	ug/L	1500	1510		101	85 - 115	P
Lead	ug/L	500	463		93	85 - 115	P
Magnesium	ug/L	1000	961	J	96	85 - 115	P
Manganese	ug/L	100	99.0		99	85 - 115	P
Nickel	ug/L	250	240		96	85 - 115	P
Potassium	ug/L	5000	4740		95	85 - 115	P
Selenium	ug/L	1000	959		96	85 - 115	P
Silver	ug/L	37.5	36.8		98	85 - 115	P
Sodium	ug/L	1500	1330		89	85 - 115	P
Thallium	ug/L	1000	957		96	85 - 115	P
Vanadium	ug/L	150	148		99	85 - 115	P
Zinc	ug/L	100	99.8		100	85 - 115	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169219BS Mercury	ug/L	4.0	3.91		98	85 - 115	CV

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WATERL

Lab Name: Alliance

Contract: XINN01

Lab Code: ACE

Lb No.: lb136791

Lab Sample ID : Q2785-01L

SDG No.: Q2785

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.20 U	1.00 U			CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

EFF-WASTE WATERL

Lab Name: Alliance **Contract:** XINN01
Lab Code: ACE **Lb No.:** lb136789 **Lab Sample ID :** Q2811-02L **SDG No.:** Q2785
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			
Aluminum	50.3		250	U	100.0		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	50.0	U	250	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	12400		13300		7		P
Chromium	0.65	J	25.0	U	100.0		P
Cobalt	15.0	U	75.0	U			P
Copper	84.6		86.8		3		P
Iron	201		194	J	3		P
Lead	1.76	J	30.0	U	100.0		P
Magnesium	3000		3210	J	7		P
Manganese	55.3		57.8		5		P
Nickel	20.0	U	100	U			P
Potassium	2190		8010		266		P
Selenium	3.58	J	50.0	U	100.0		P
Silver	5.00	U	25.0	U			P
Sodium	534000		469000		12		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	203		199		2		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	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: Xin Nie

SDG No.: Q2785

Contract: XINN01

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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: PB169195							
PB169195BL	PB169195BL	MB	WATER	08/11/2025	50.0	25.0	
PB169195BS	PB169195BS	LCS	WATER	08/11/2025	50.0	25.0	
Q2785-01	WATER	SAM	WATER	08/11/2025	50.0	25.0	
Q2811-02DUP	EFF-WASTE WATERDUP	DUP	WATER	08/11/2025	50.0	25.0	
Q2811-02MS	EFF-WASTE WATERMS	MS	WATER	08/11/2025	50.0	25.0	
Q2811-02MSD	EFF-WASTE WATERMSD	MSD	WATER	08/11/2025	50.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: Xin Nie

SDG No.: Q2785

Contract: XINN01

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: PB169219							
PB169219BL	PB169219BL	MB	WATER	08/12/2025	30.0	30.0	
PB169219BS	PB169219BS	LCS	WATER	08/12/2025	30.0	30.0	
Q2785-01	WATER	SAM	WATER	08/12/2025	30.0	30.0	
Q2785-01DUP	WATERDUP	DUP	WATER	08/12/2025	30.0	30.0	
Q2785-01MS	WATERMS	MS	WATER	08/12/2025	30.0	30.0	
Q2785-01MSD	WATERMSD	MSD	WATER	08/12/2025	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: Xin Nie

Contract: XINN01

Lab code: ACE

Sdg no.: Q2785

Instrument id number: _____

Method: _____

Run number: LB136789

Start date: 08/12/2025

End date: 08/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1039	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1044	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1048	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1052	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1056	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1100	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1134	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1143	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1148	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1156	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1200	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1206	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1215	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1250	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1254	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169195BL	PB169195BL	1	1258	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169195BS	PB169195BS	1	1308	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2785-01	WATER	1	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2811-02DUP	EFF-WASTE WATERDUP	1	1337	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2811-02L	EFF-WASTE WATERL	5	1341	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2811-02MS	EFF-WASTE WATERMS	1	1346	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2811-02MSD	EFF-WASTE WATERMSD	1	1350	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1427	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1431	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2811-02A	EFF-WASTE WATERA	1	1435	K,Mg,Zn
CCV03	CCV03	1	1607	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1611	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1630	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1634	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: Xin Nie

Contract: XINN01

Lab code: ACE

Sdg no.: Q2785

Instrument id number: _____

Method: _____

Run number: LB136791

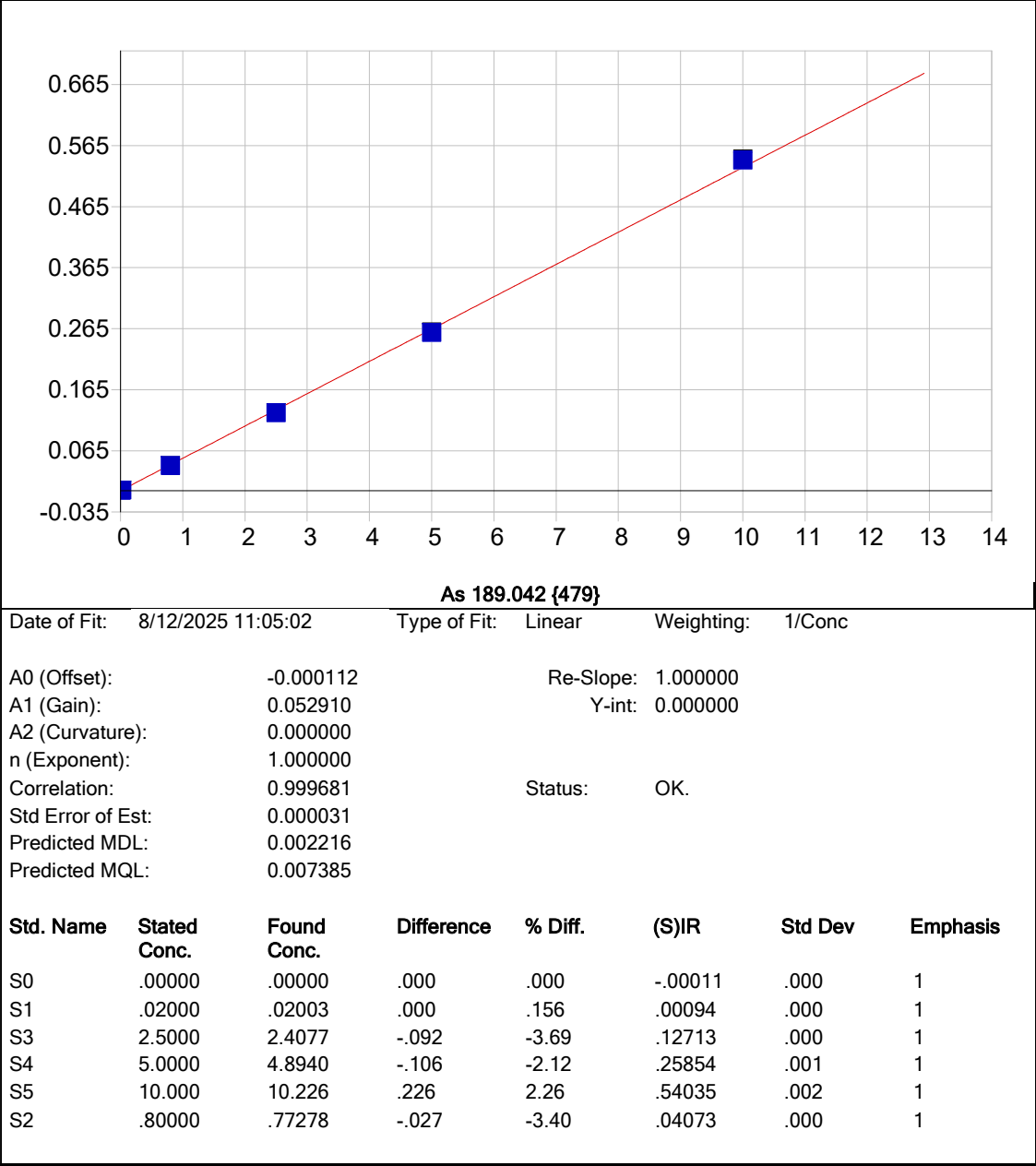
Start date: 08/12/2025

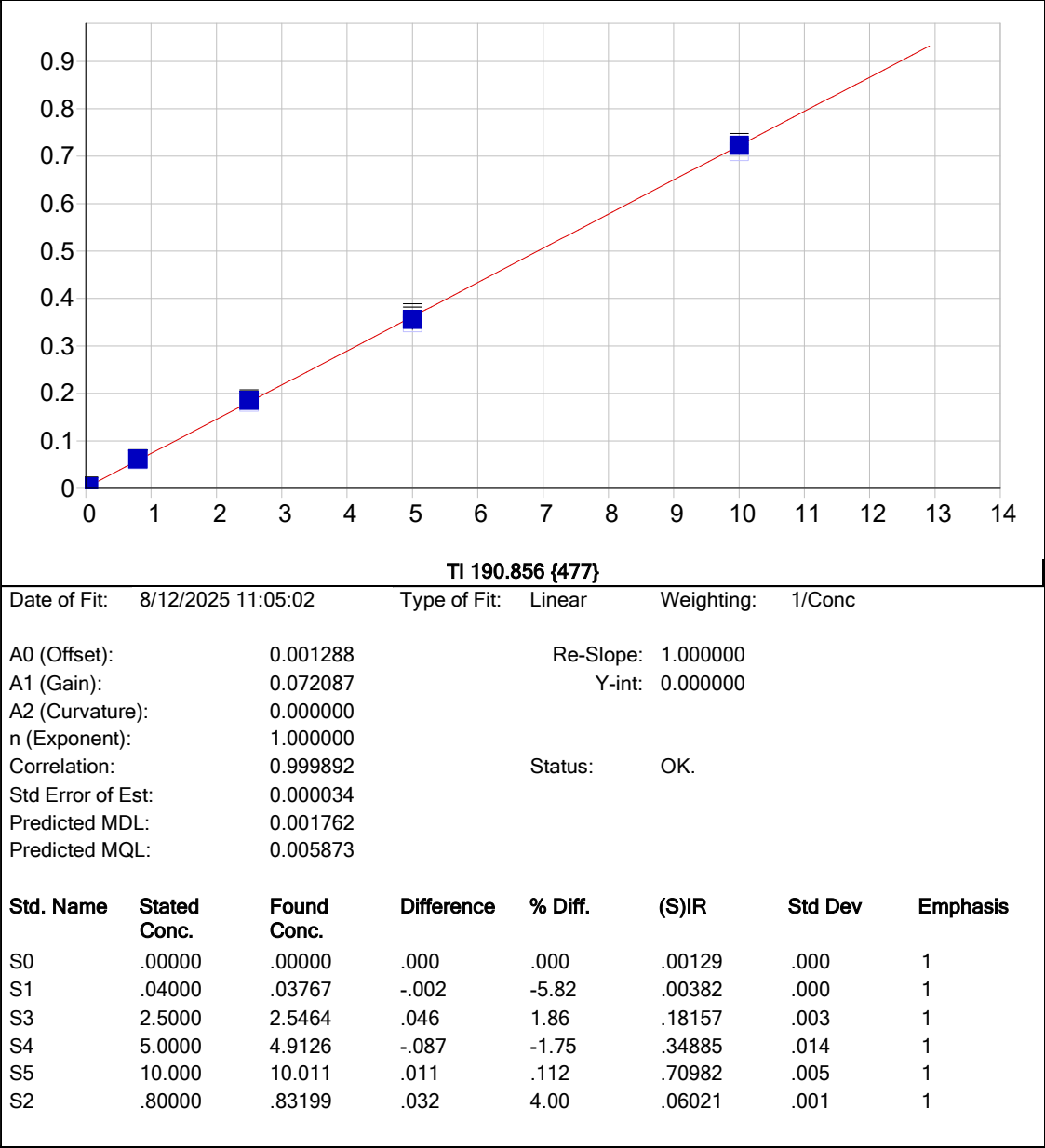
End date: 08/12/2025

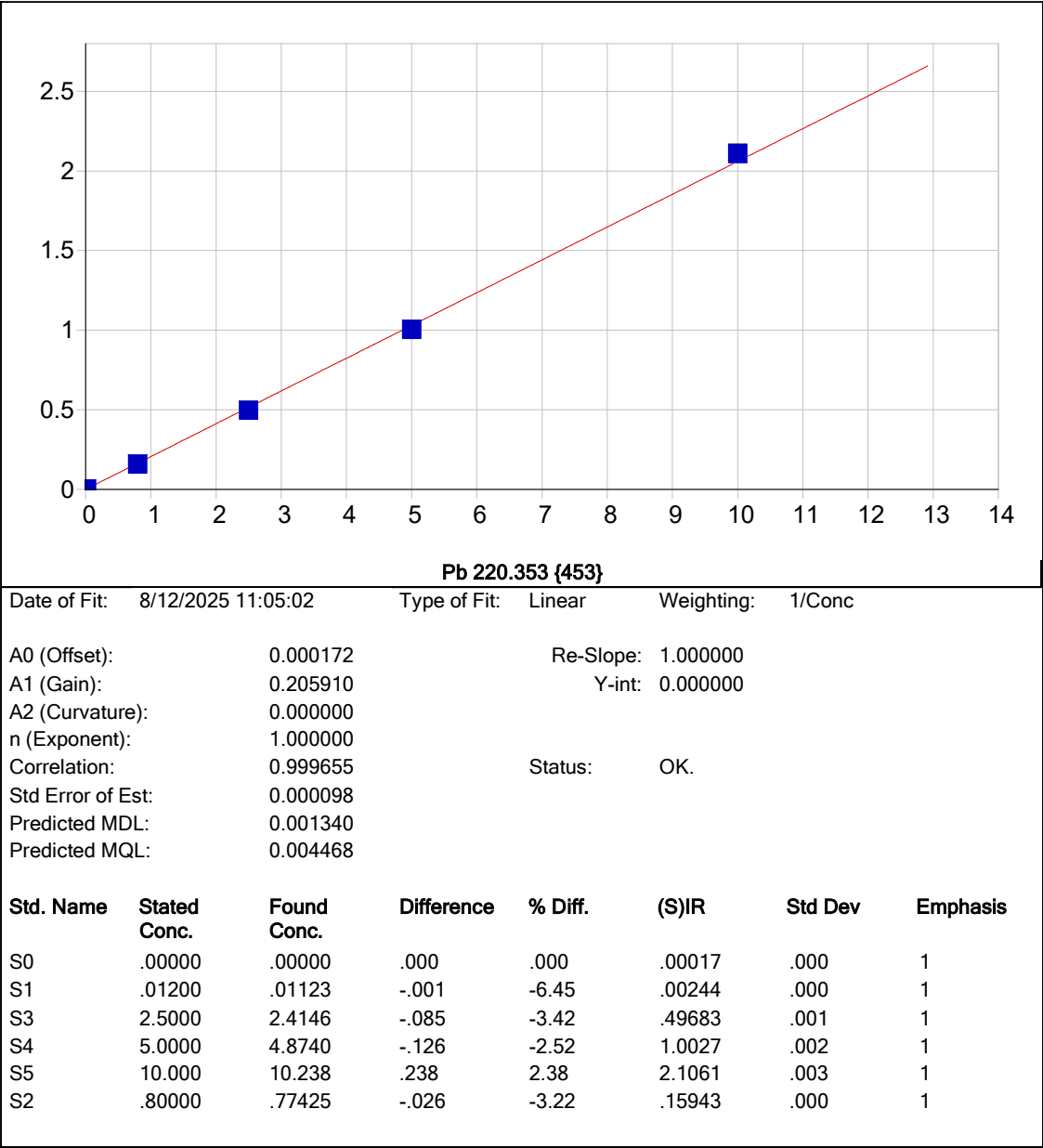
Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1658	HG
S0.05	S0.05	1	1700	HG
S0.2	S0.2	1	1702	HG
S2.5	S2.5	1	1705	HG
S5	S5	1	1707	HG
S7.5	S7.5	1	1709	HG
S10	S10	1	1728	HG
ICV11	ICV11	1	1735	HG
ICB11	ICB11	1	1740	HG
CCV32	CCV32	1	1742	HG
CCB32	CCB32	1	1745	HG
CRA	CRA	1	1747	HG
PB169219BL	PB169219BL	1	1757	HG
PB169219BS	PB169219BS	1	1759	HG
Q2785-01	WATER	1	1801	HG
Q2785-01DUP	WATERDUP	1	1803	HG
Q2785-01MS	WATERMS	1	1811	HG
Q2785-01MSD	WATERMSD	1	1813	HG
CCV33	CCV33	1	1818	HG
CCB33	CCB33	1	1820	HG
Q2785-01L	WATERL	5	1825	HG
CCV34	CCV34	1	1830	HG
CCB34	CCB34	1	1832	HG

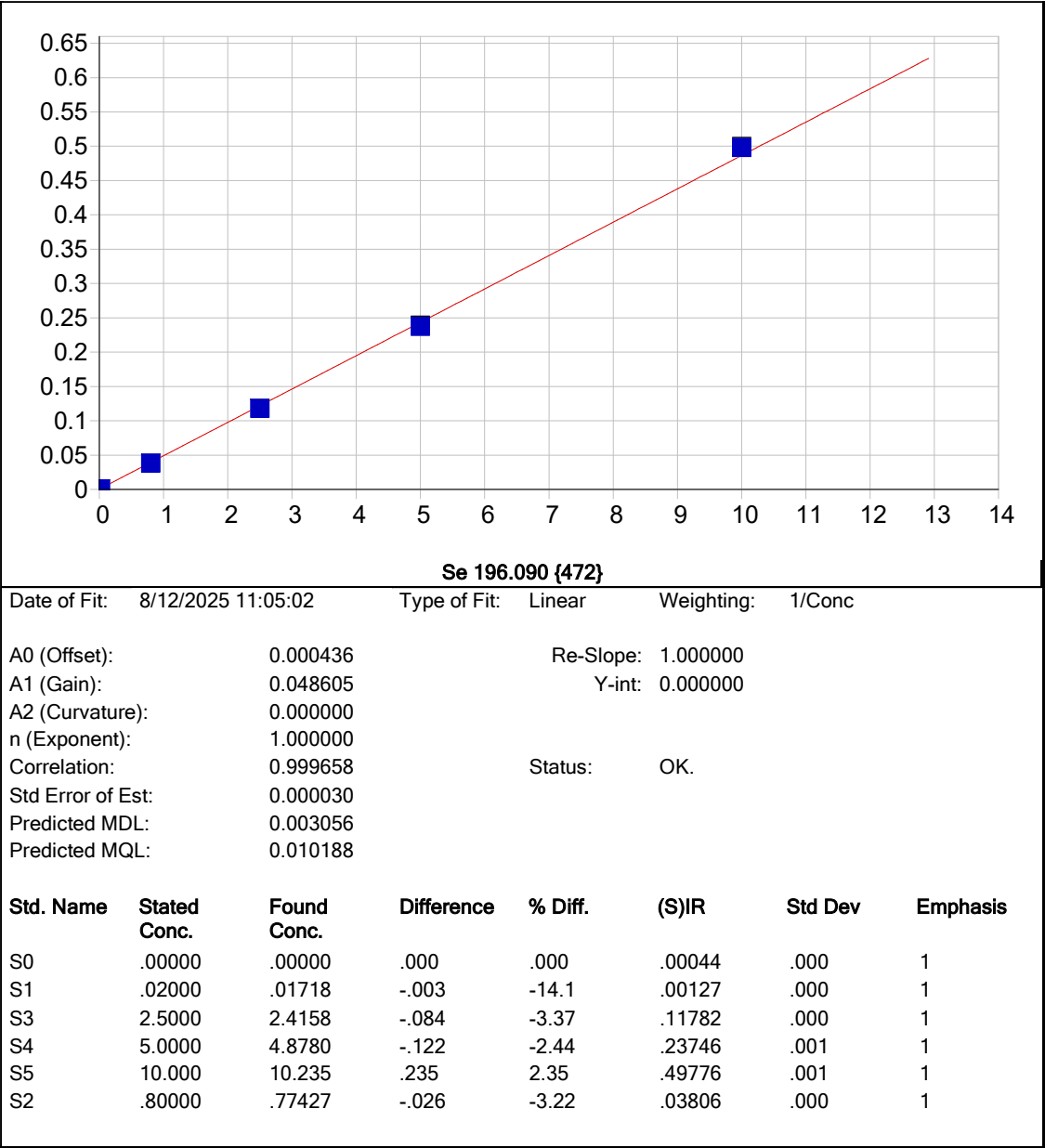


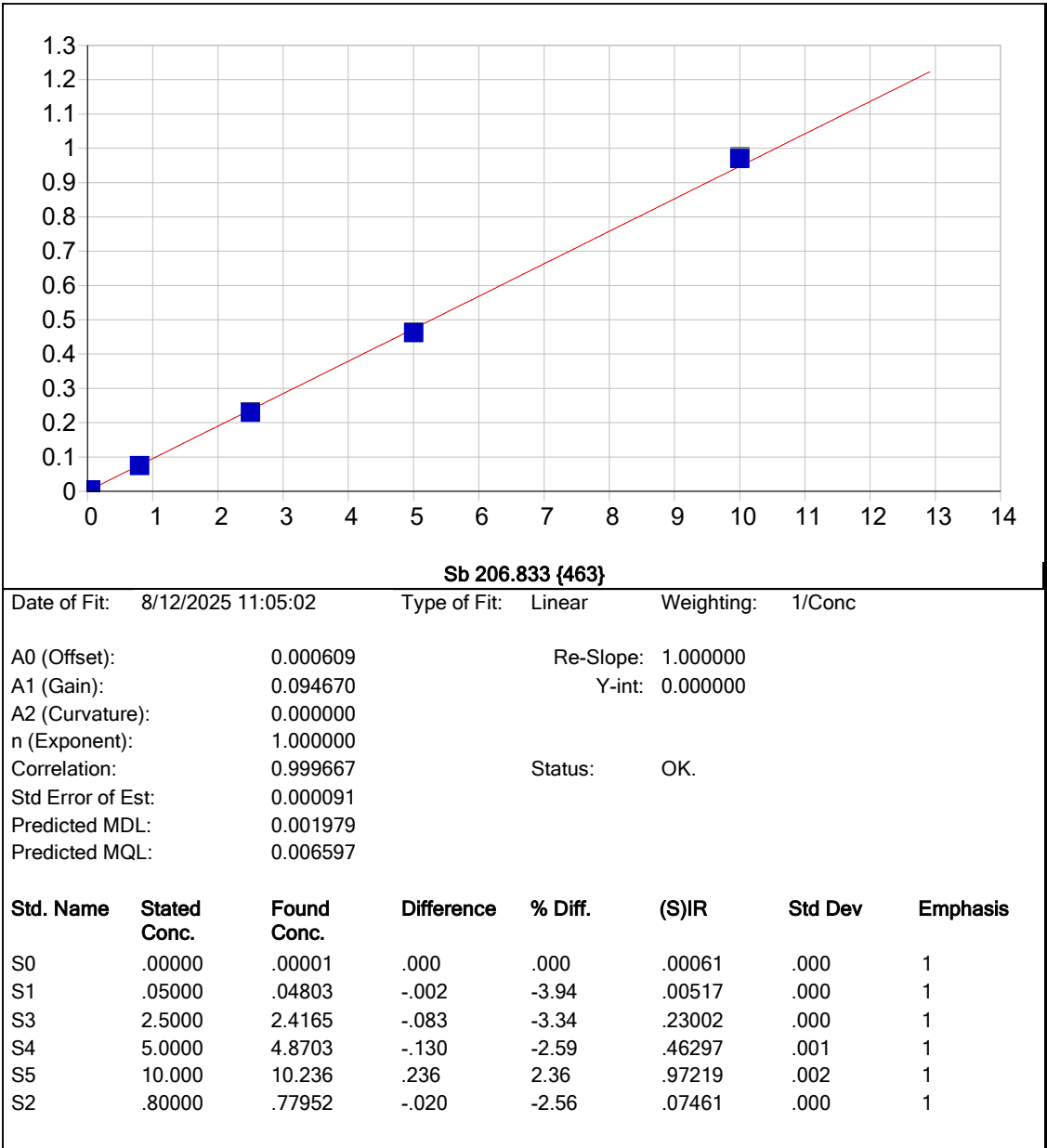
METAL RAW DATA

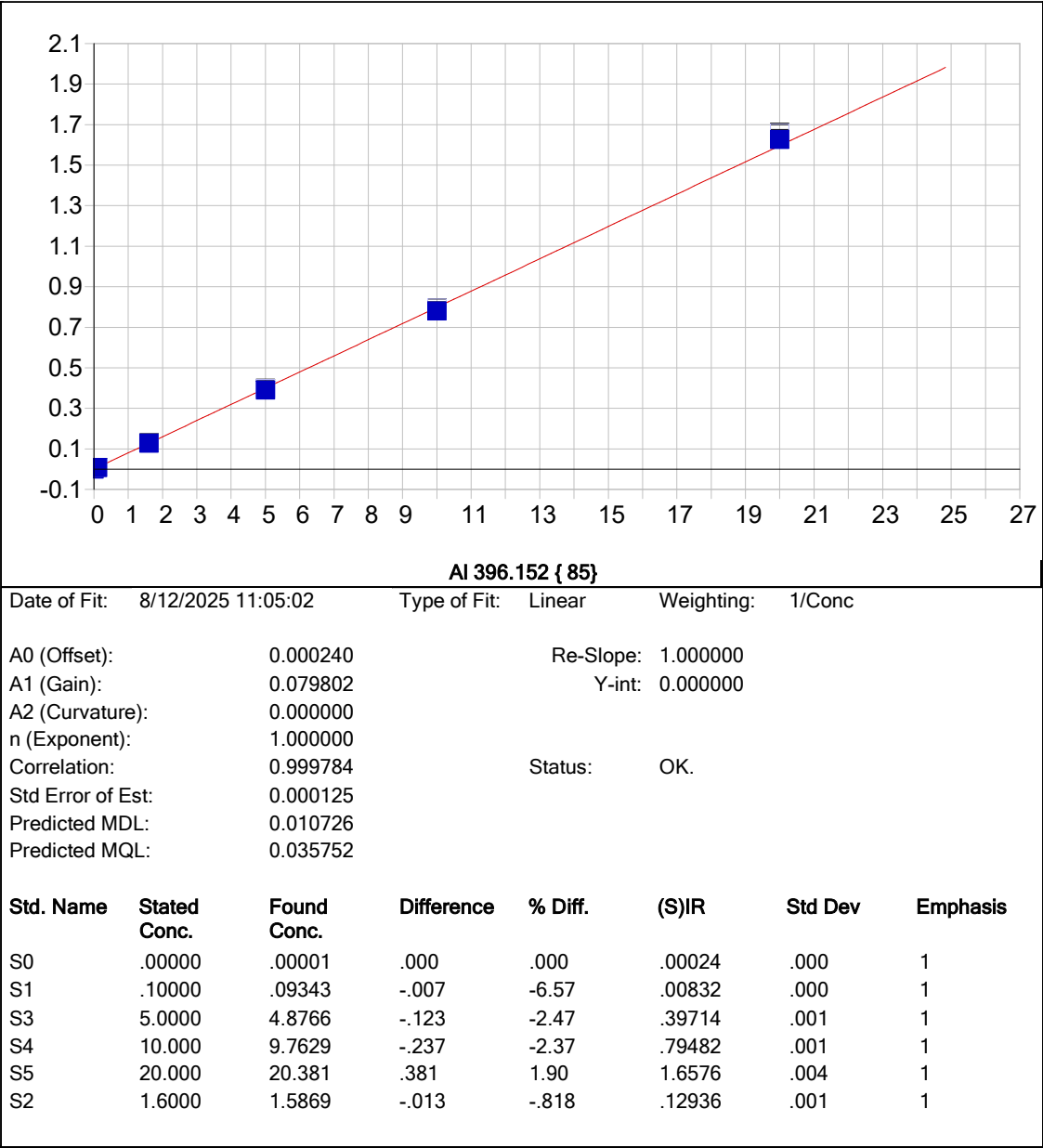


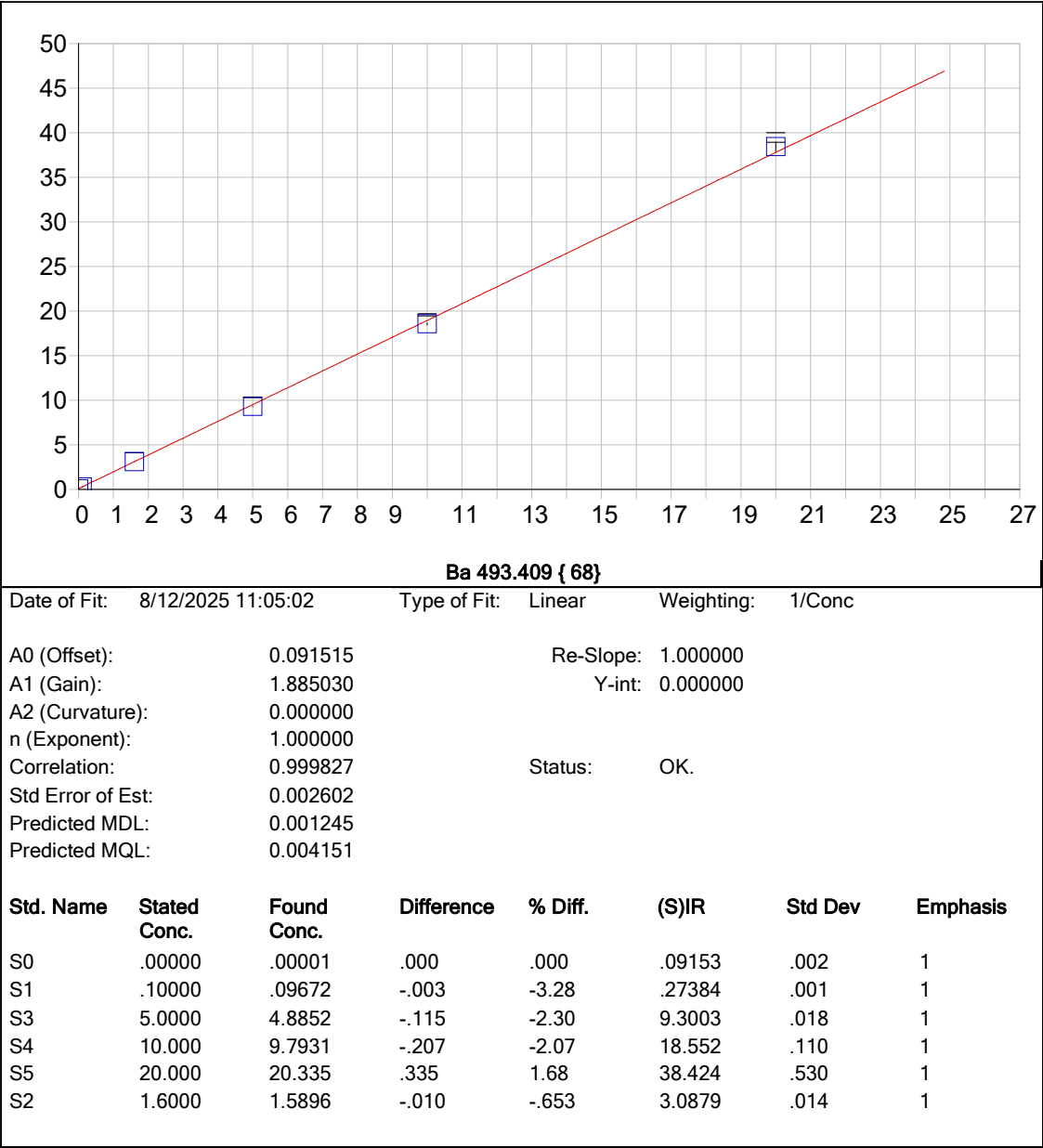


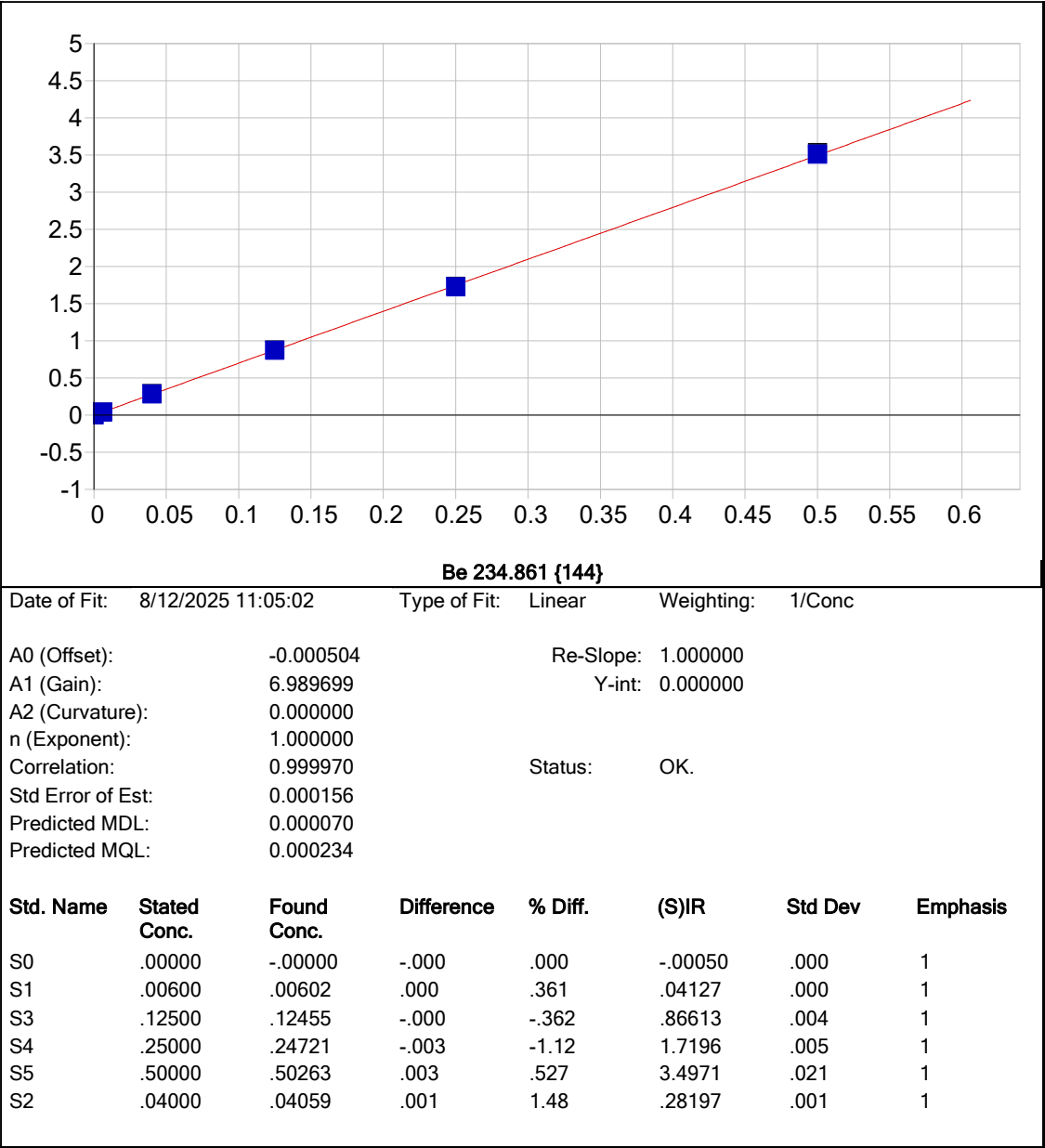


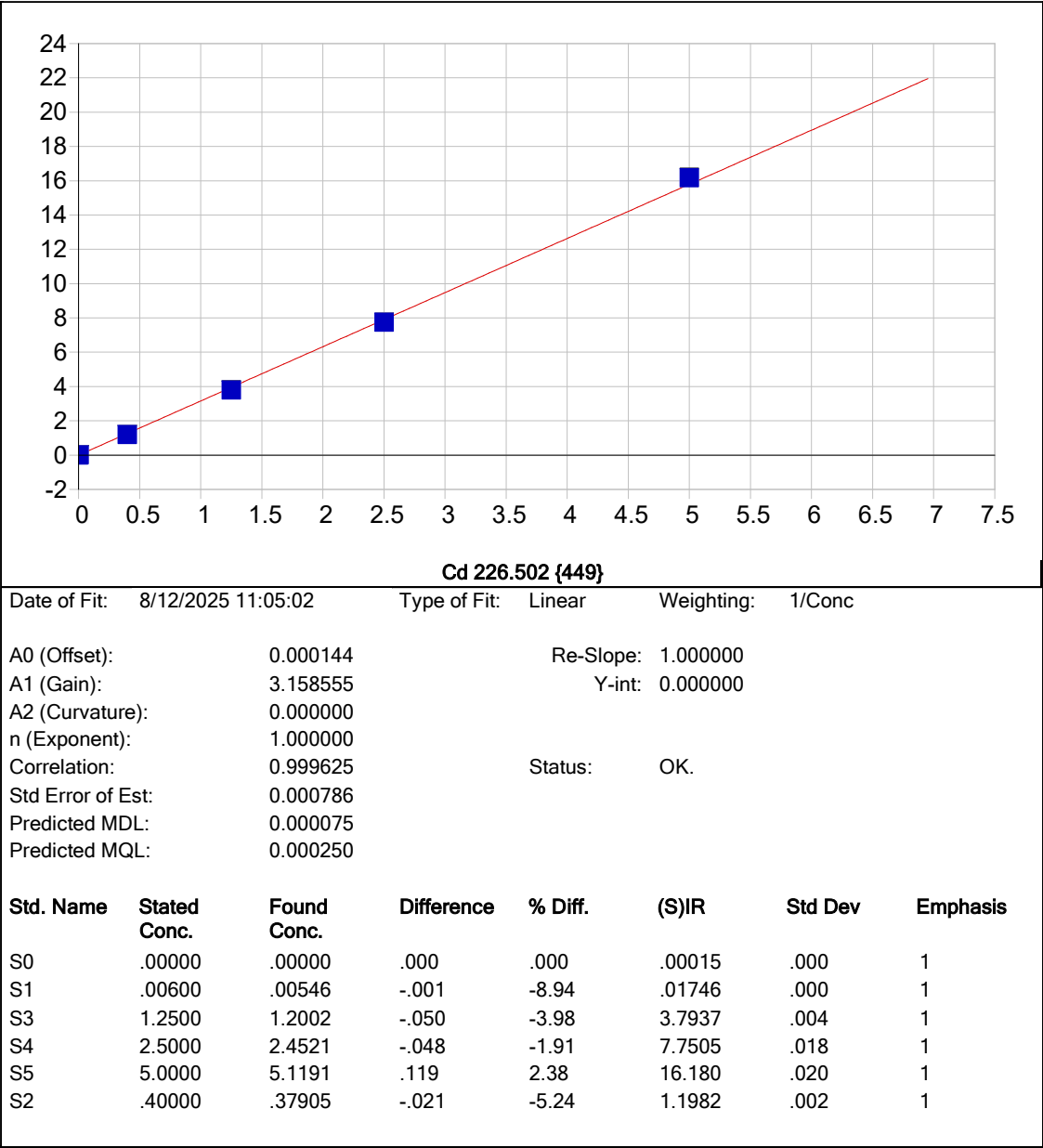


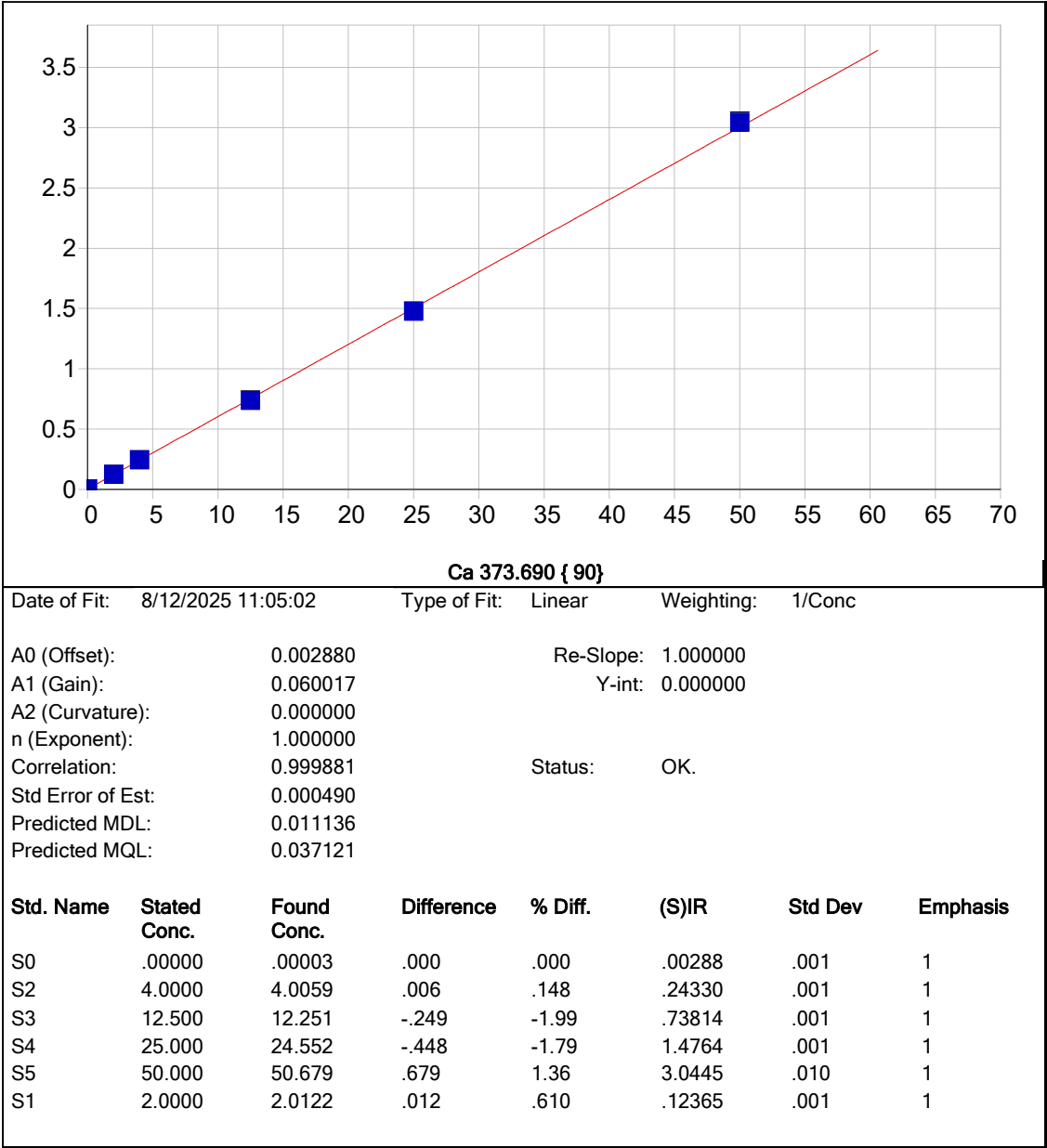


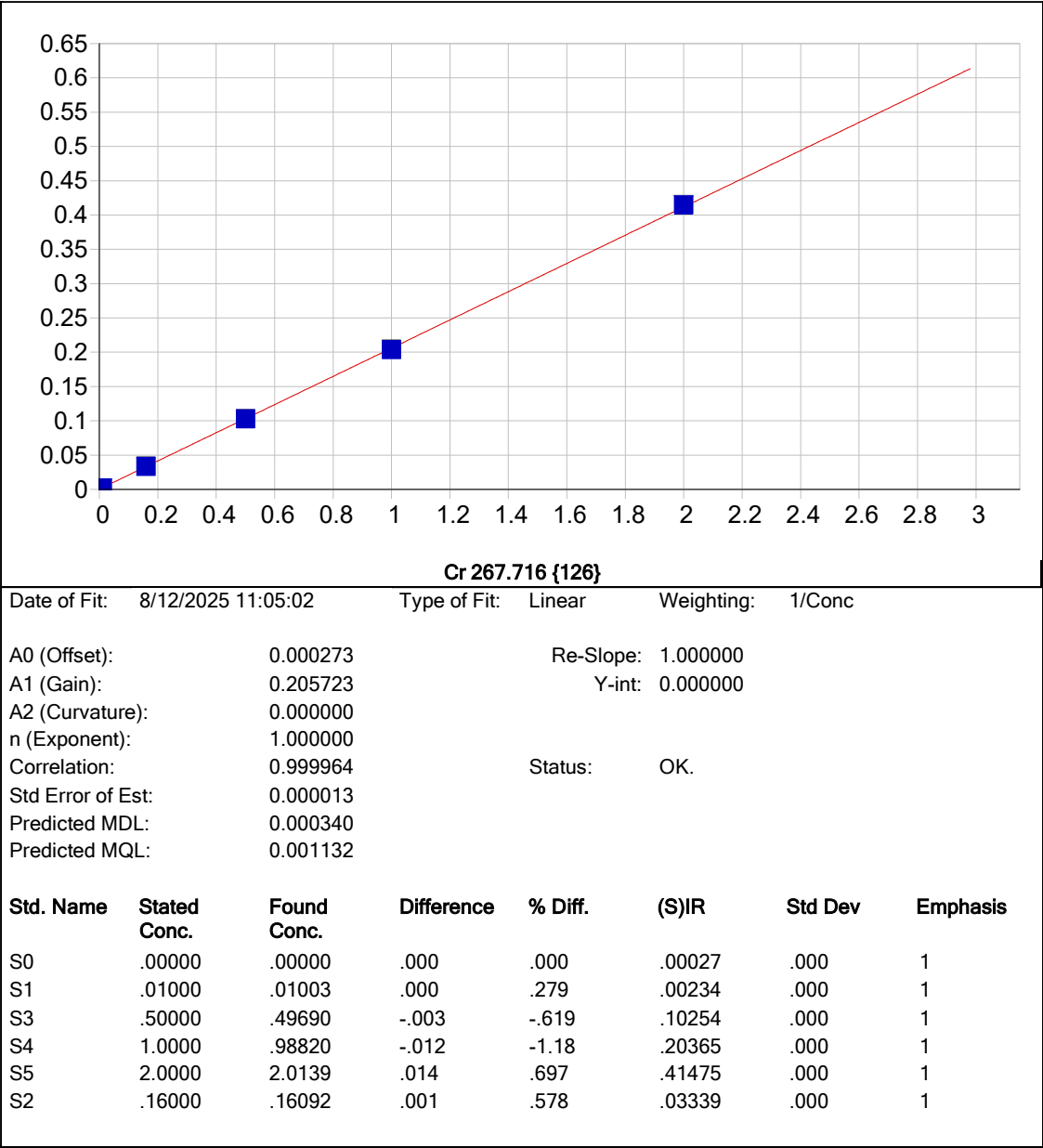


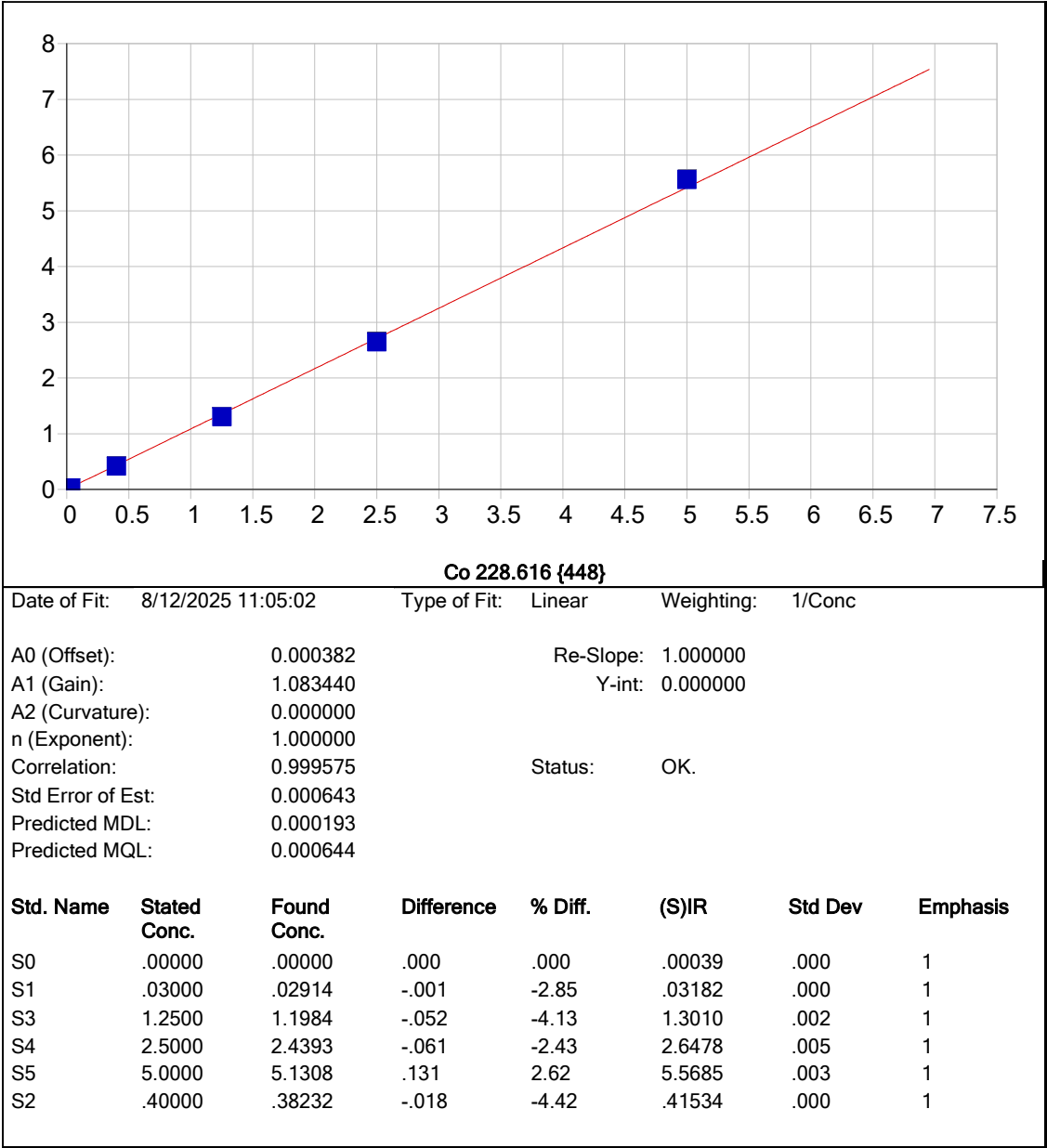


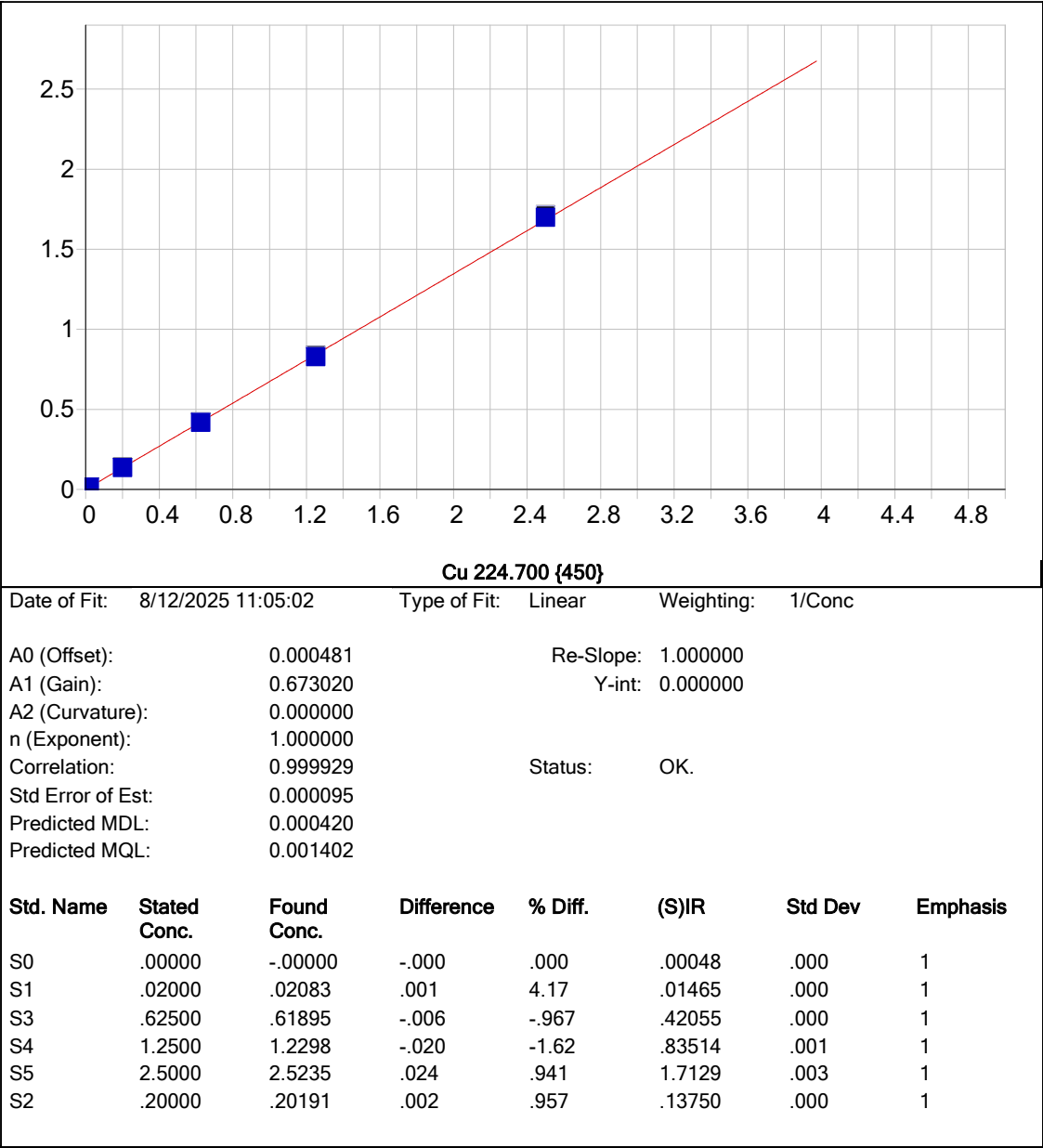


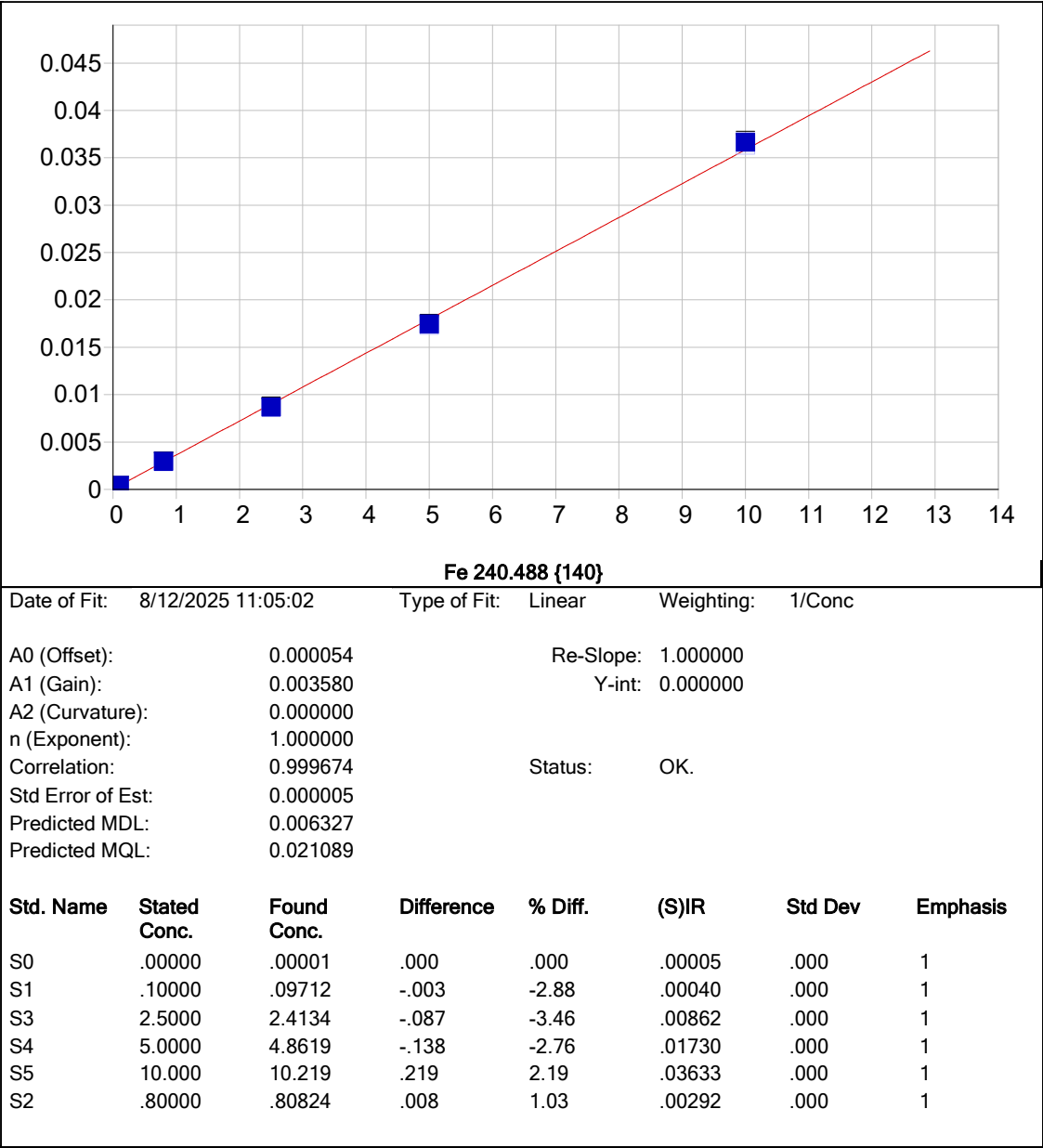


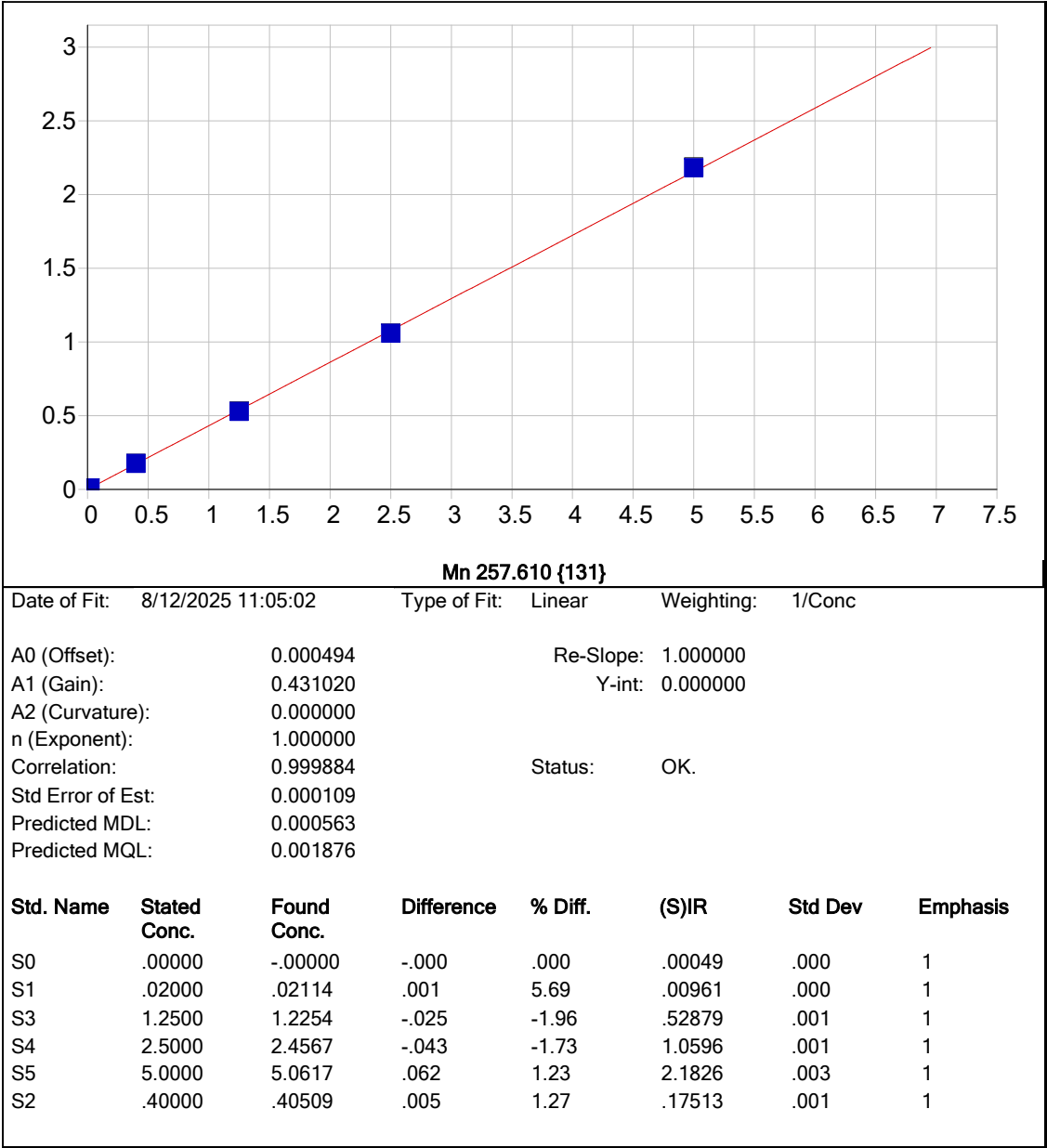


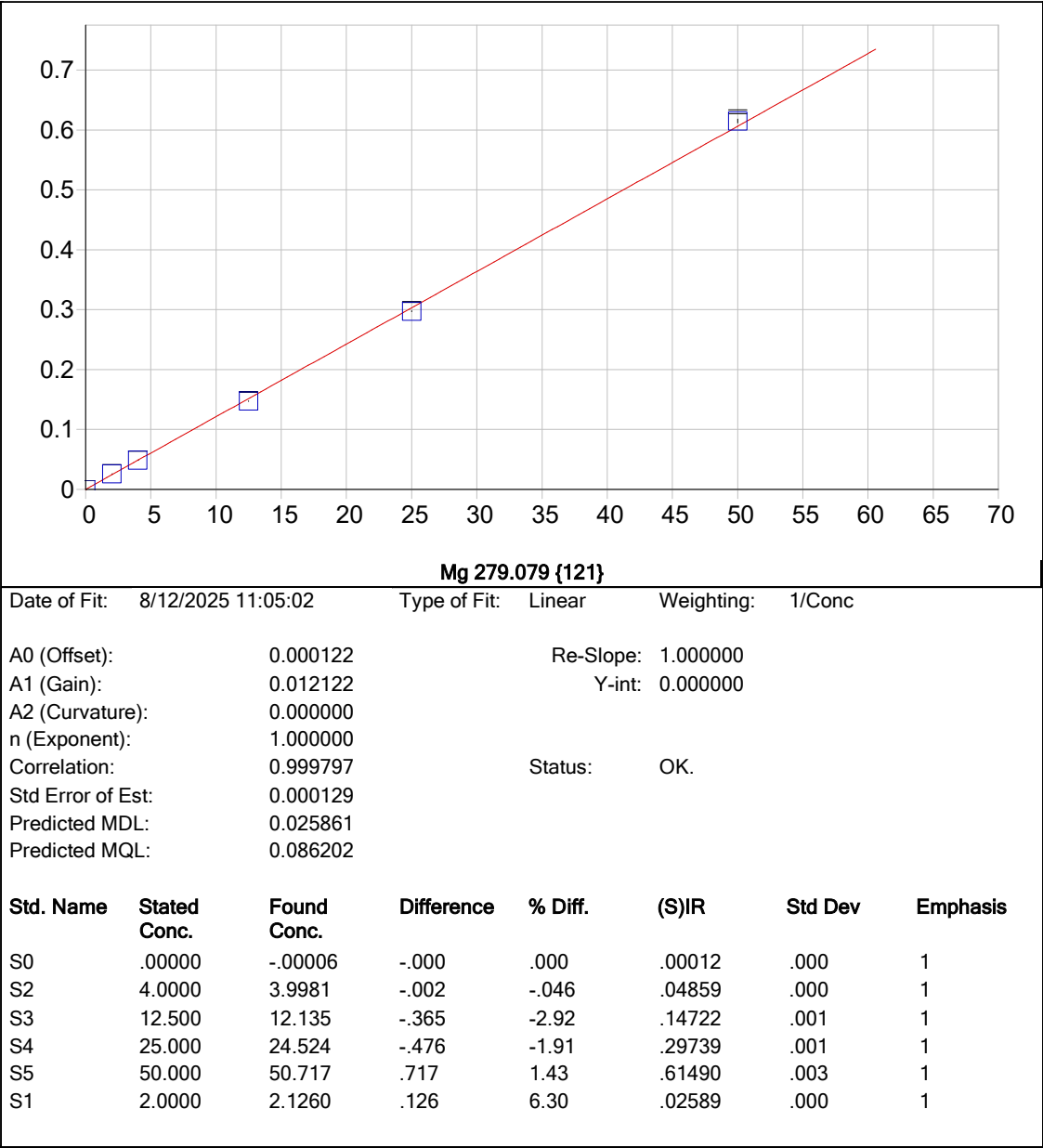


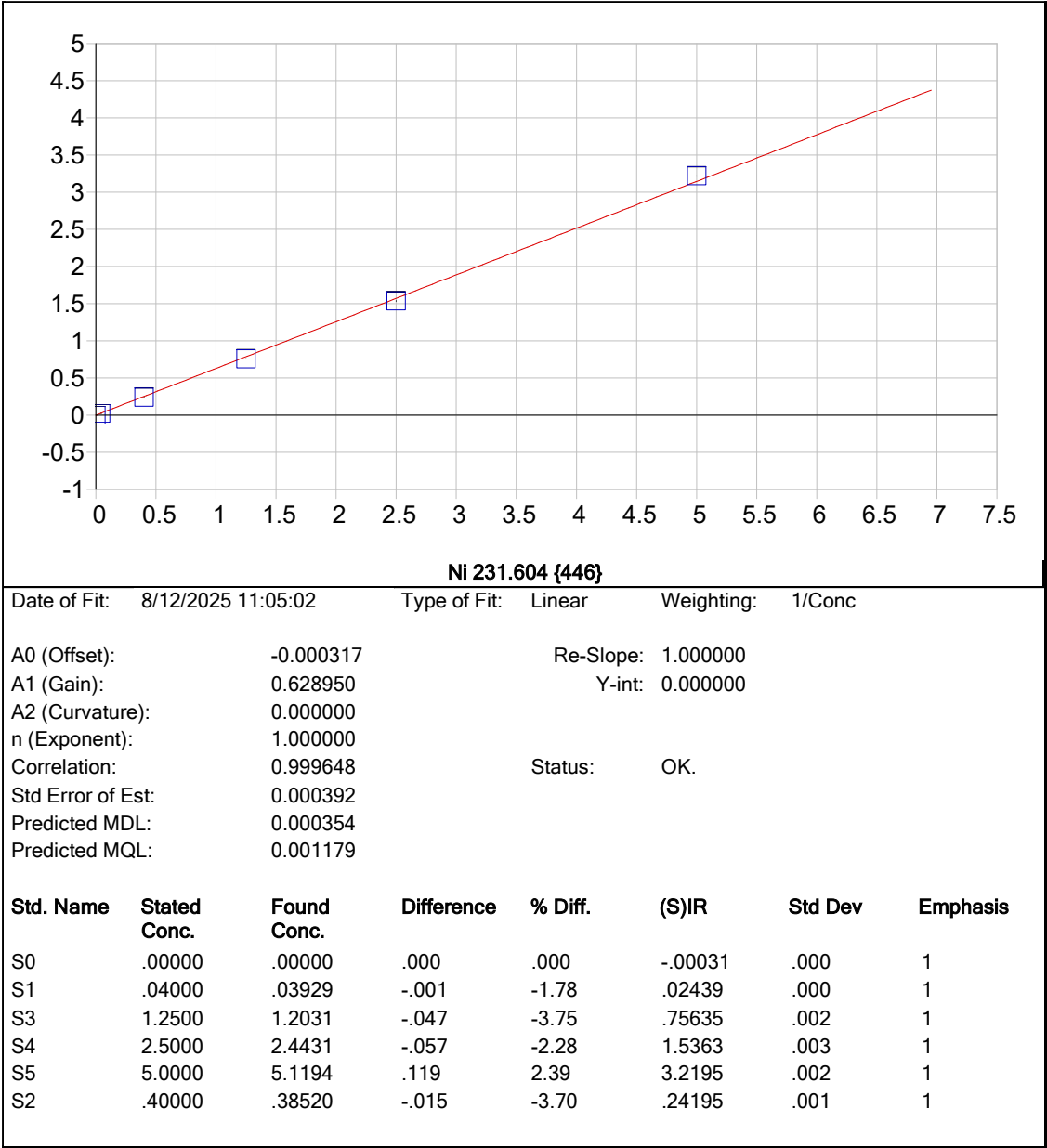


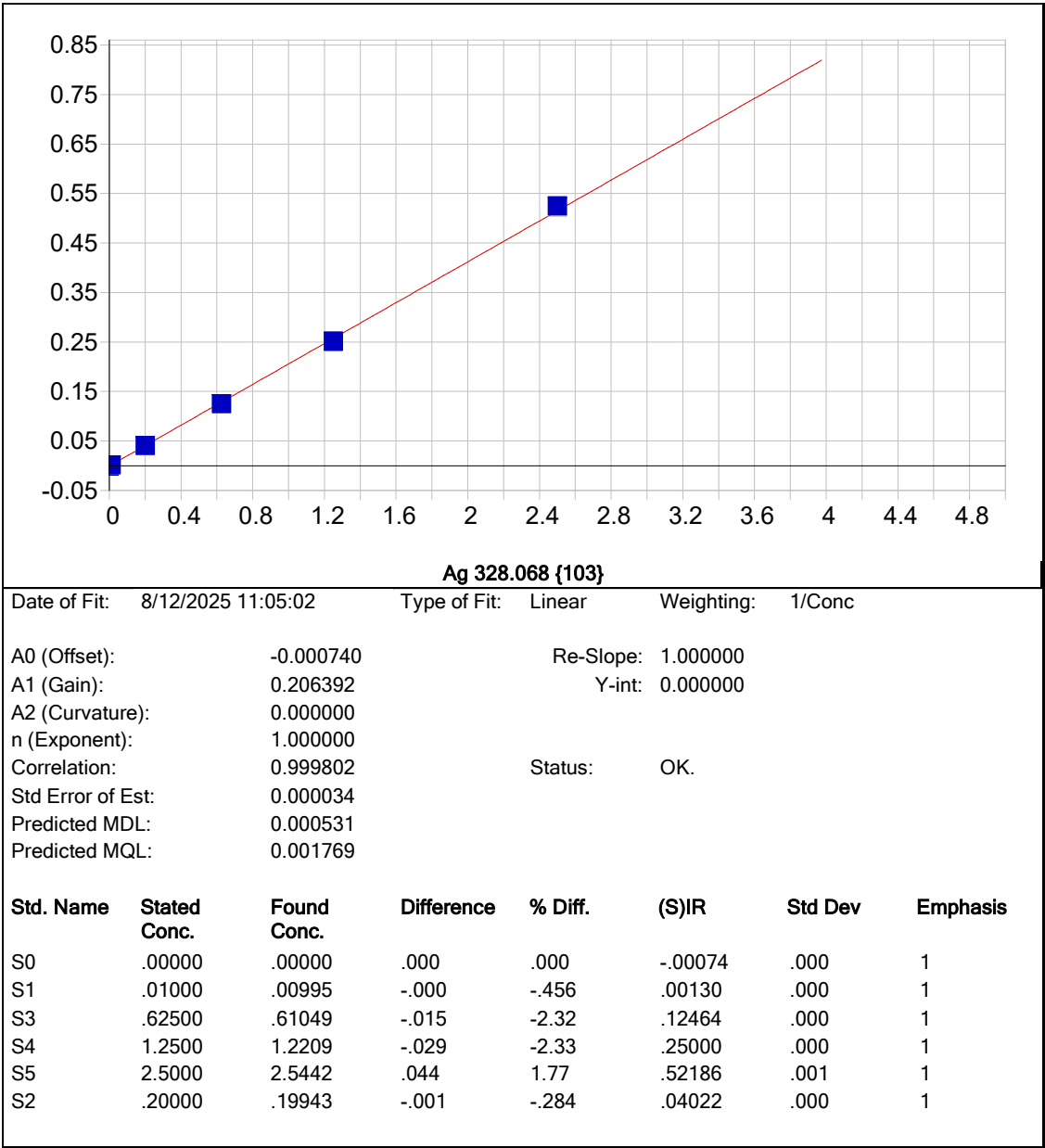


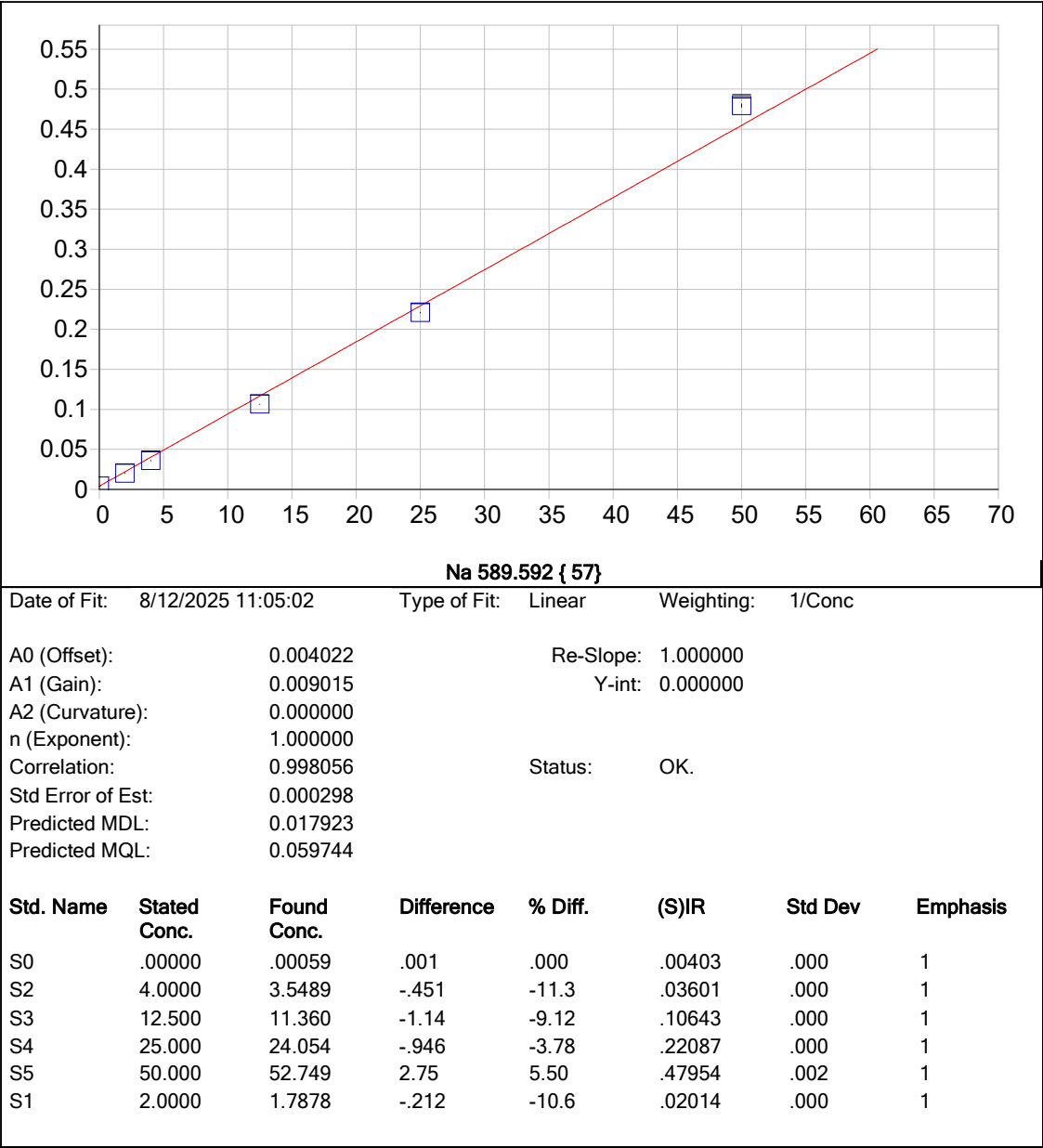


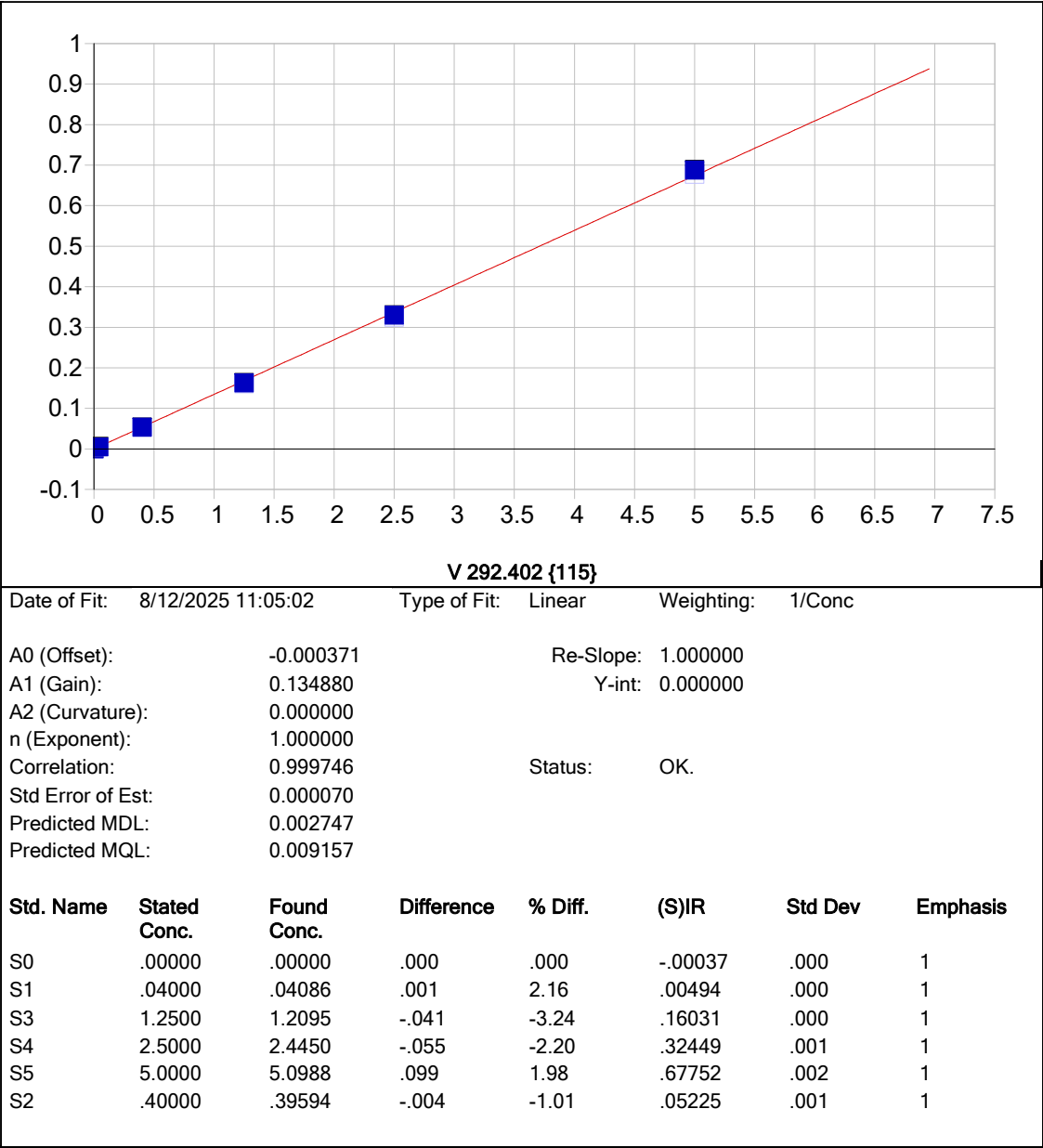


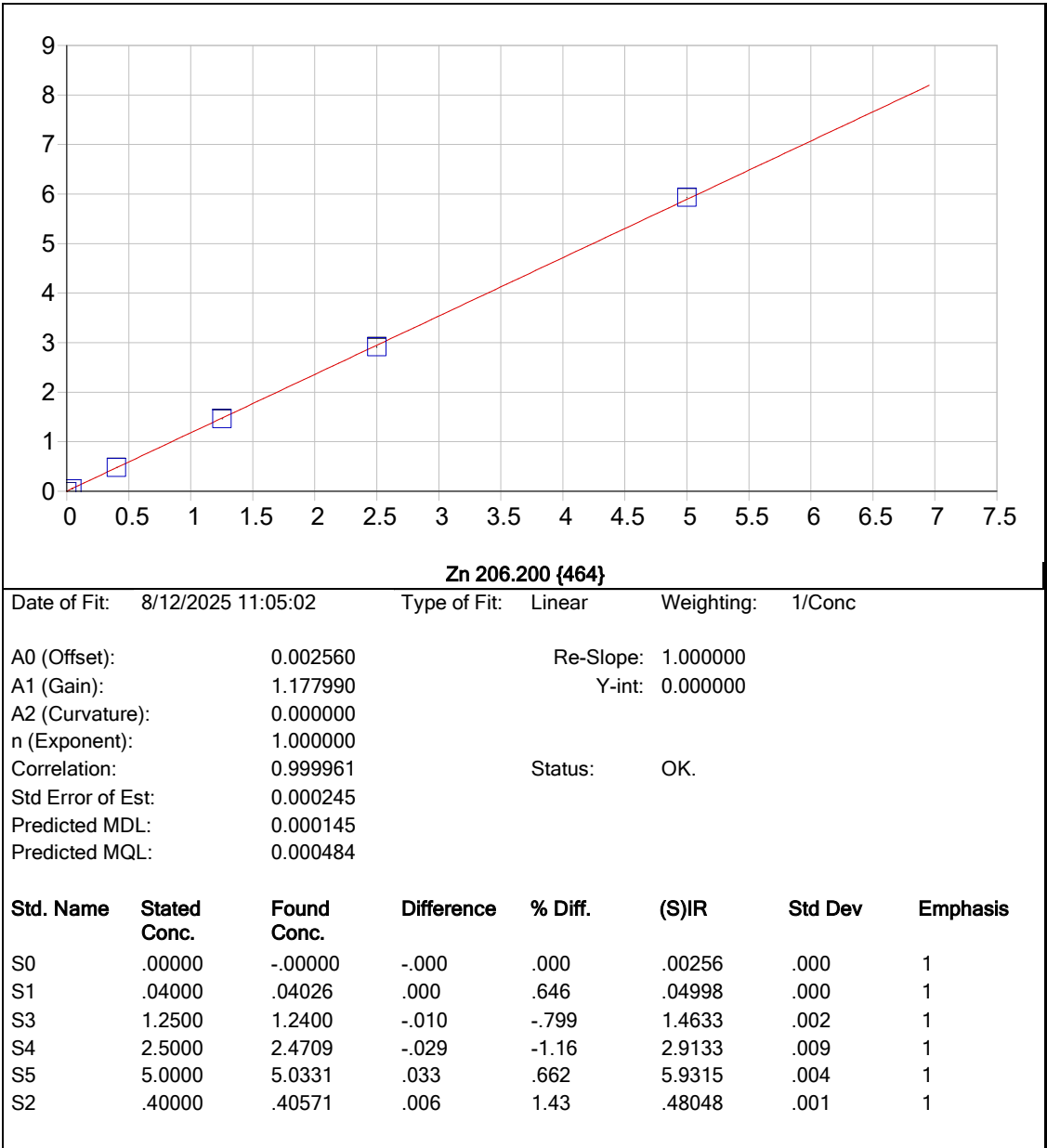


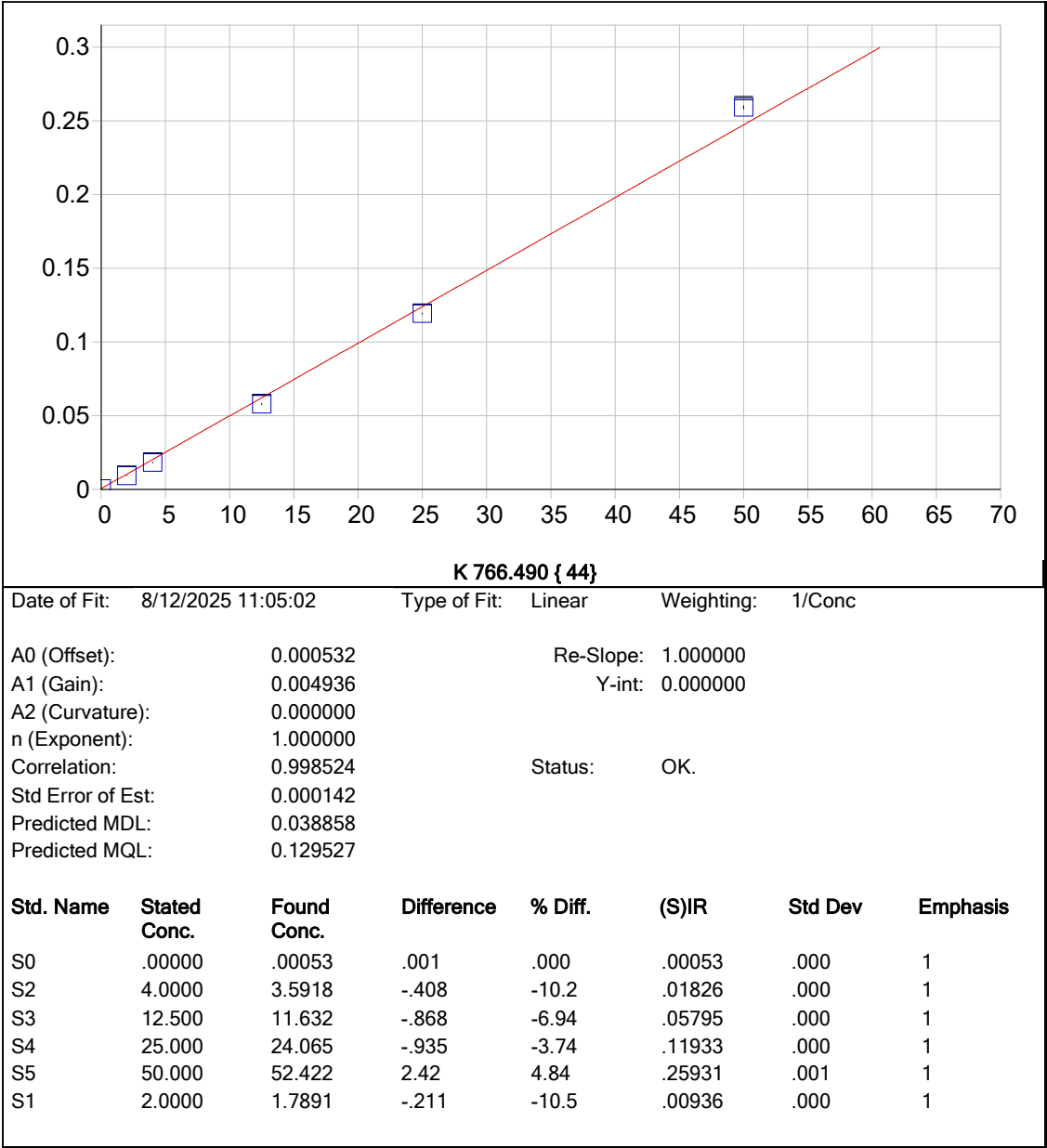


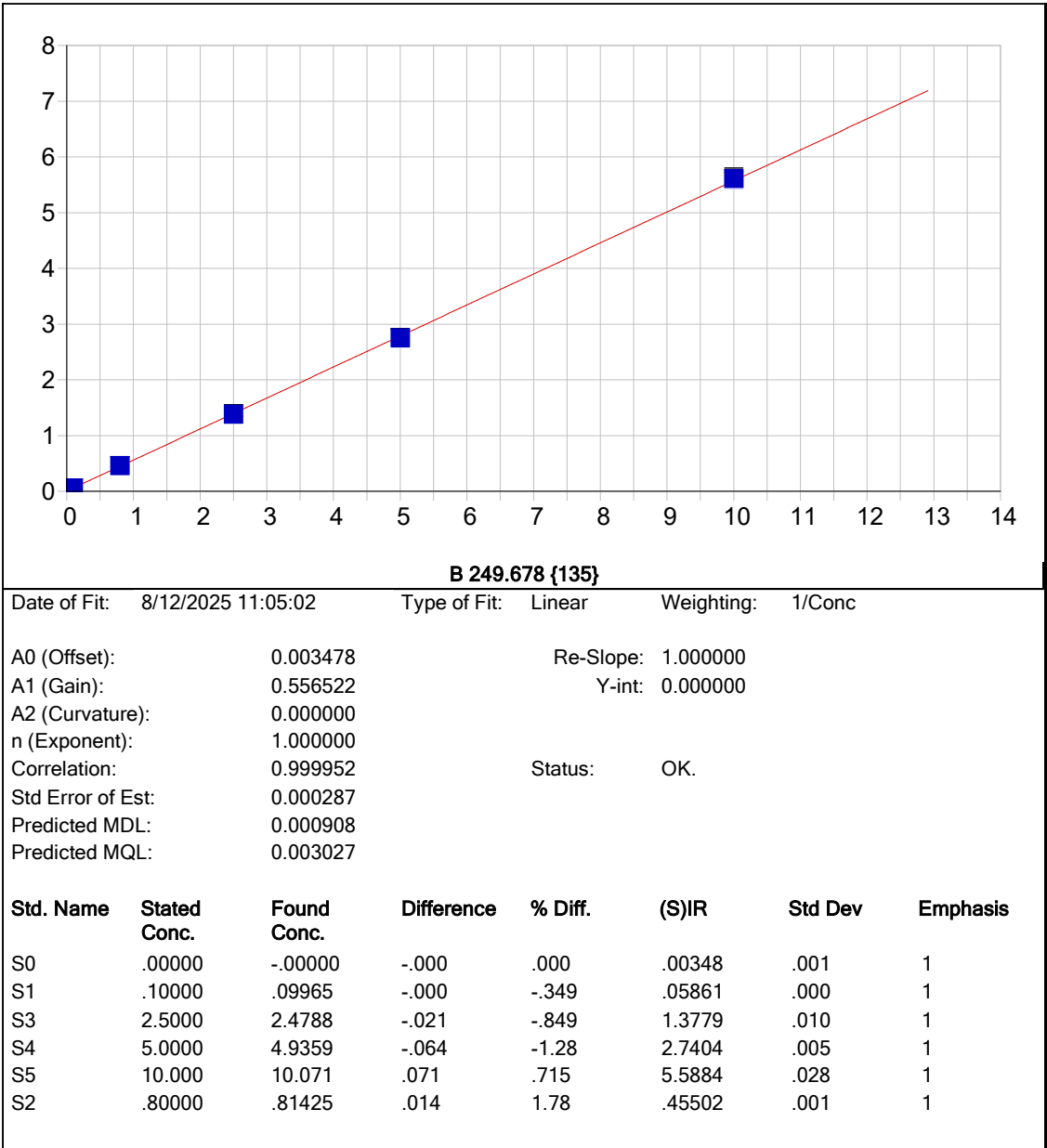










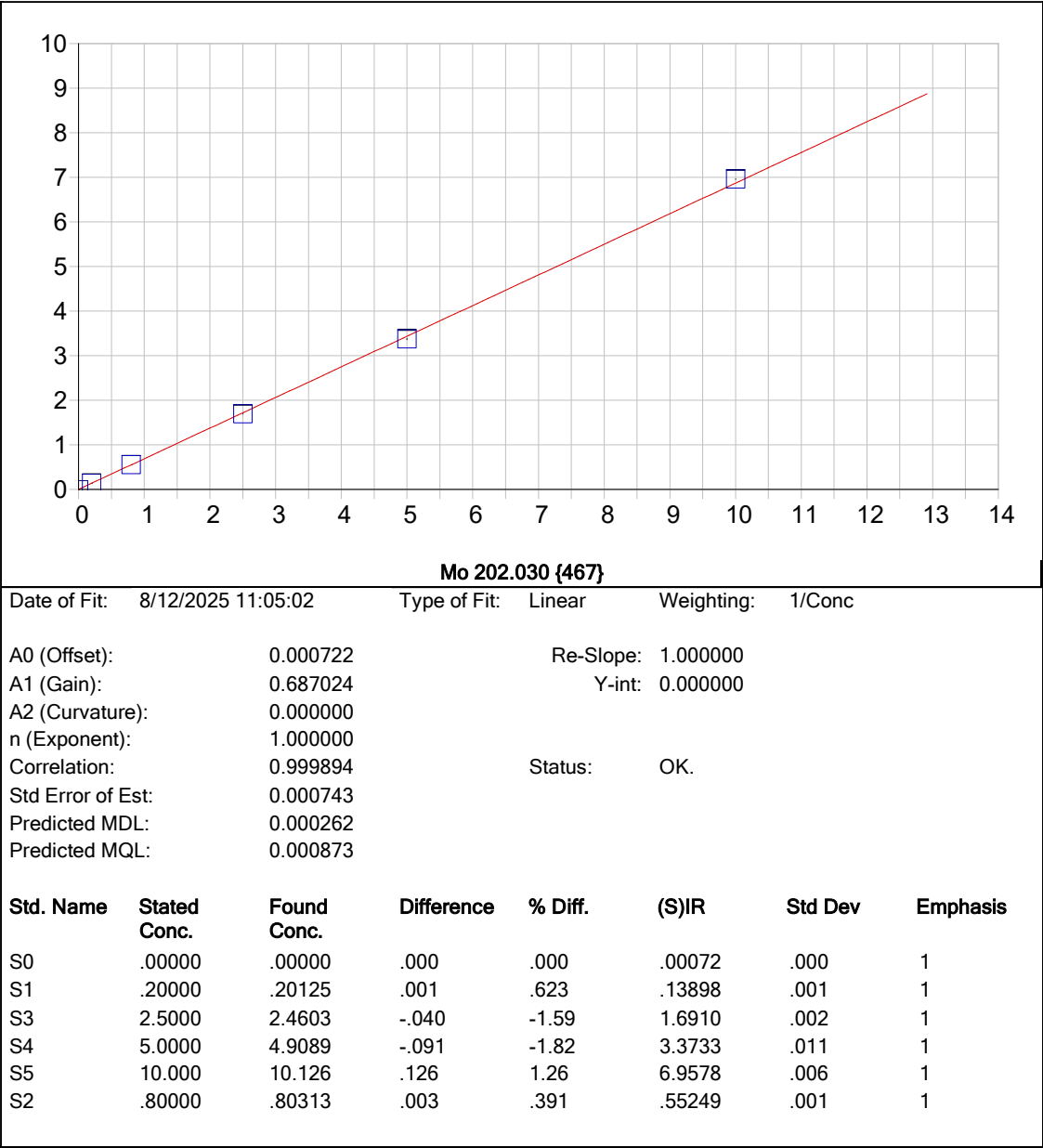


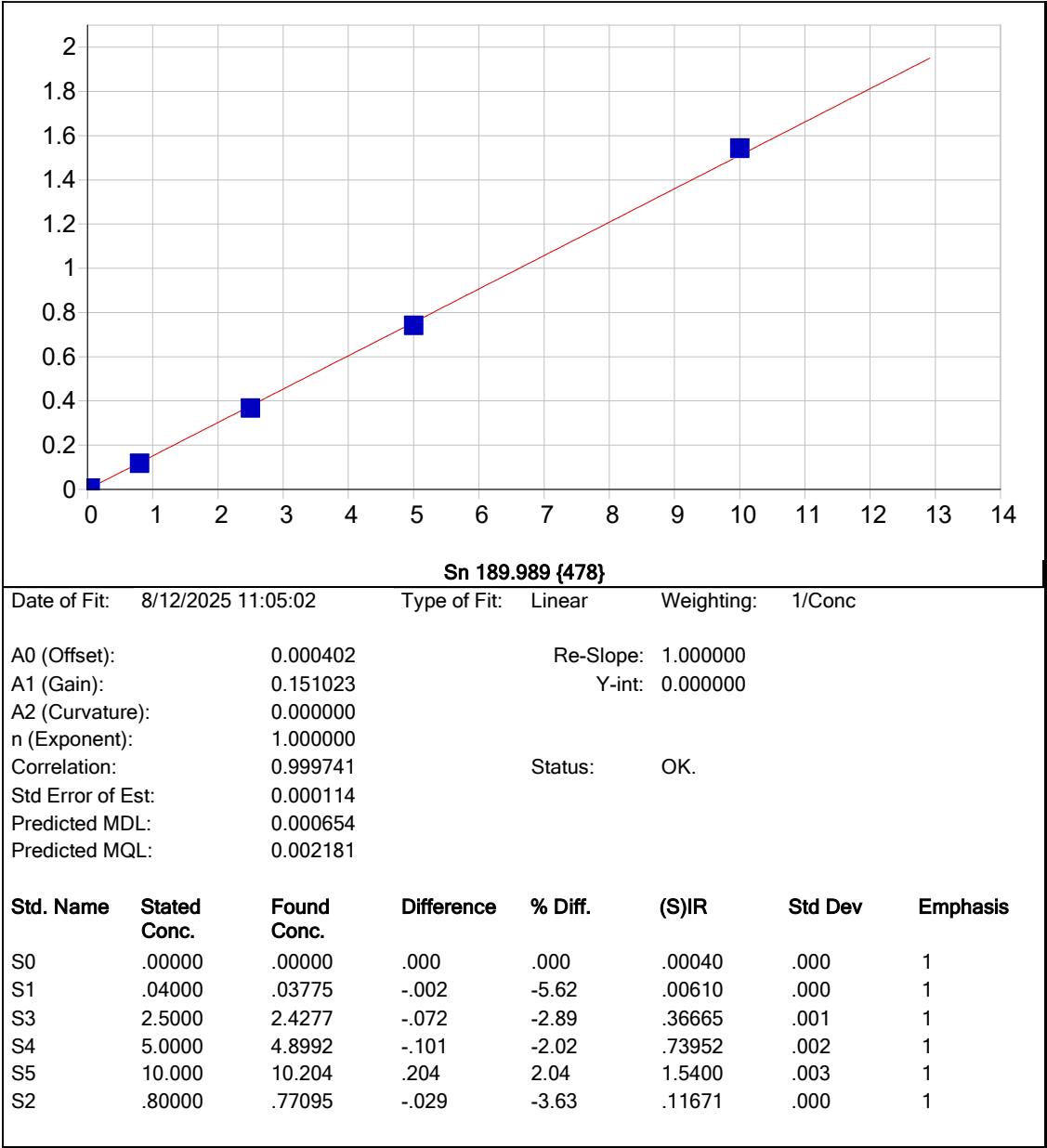
Date of Fit: 8/12/2025 11:05:02
Type of Fit: Linear
Weighting: 1/Conc

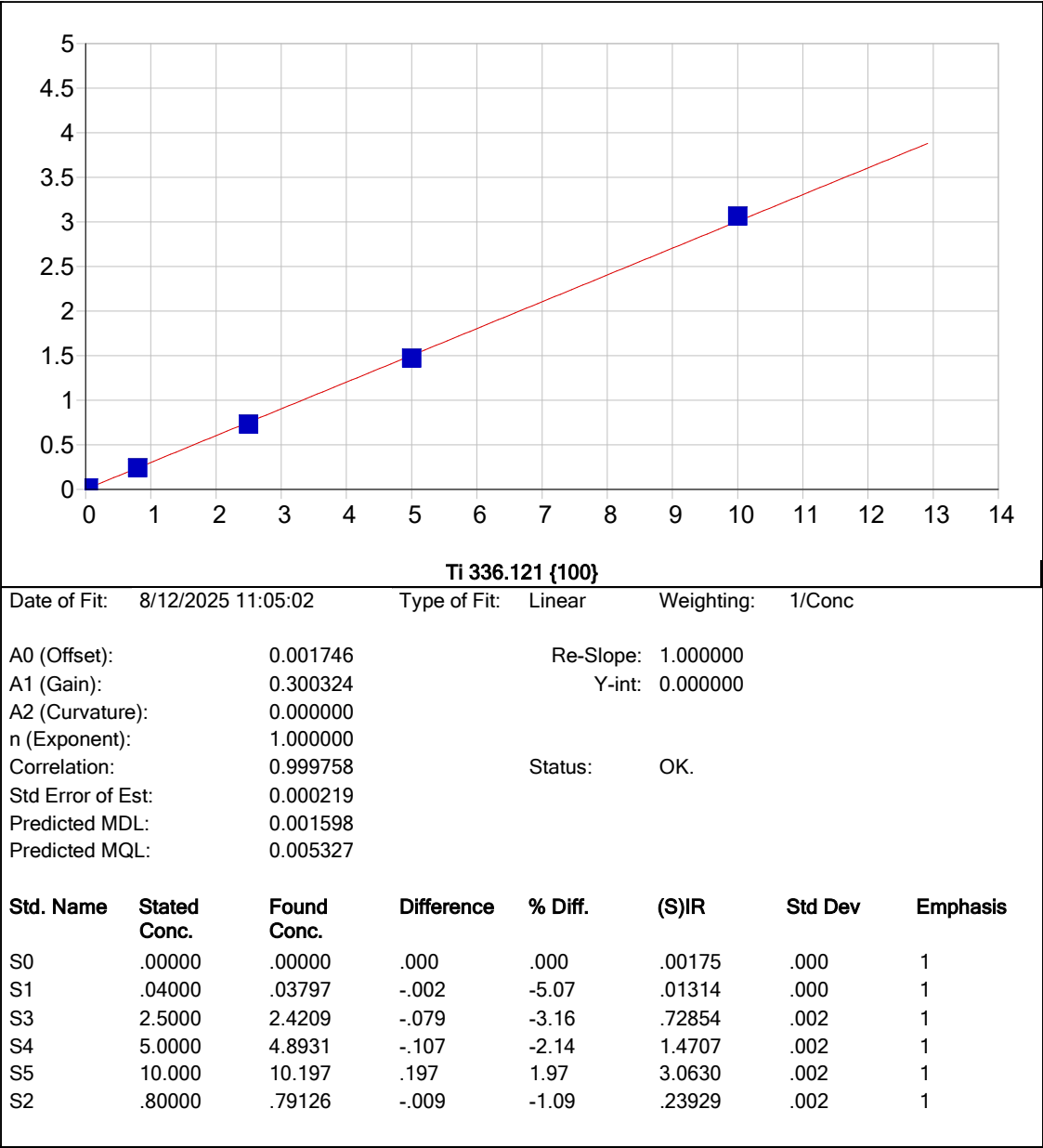
A0 (Offset): 0.003478
A1 (Gain): 0.556522
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999952
Std Error of Est: 0.000287
Predicted MDL: 0.000908
Predicted MQL: 0.003027

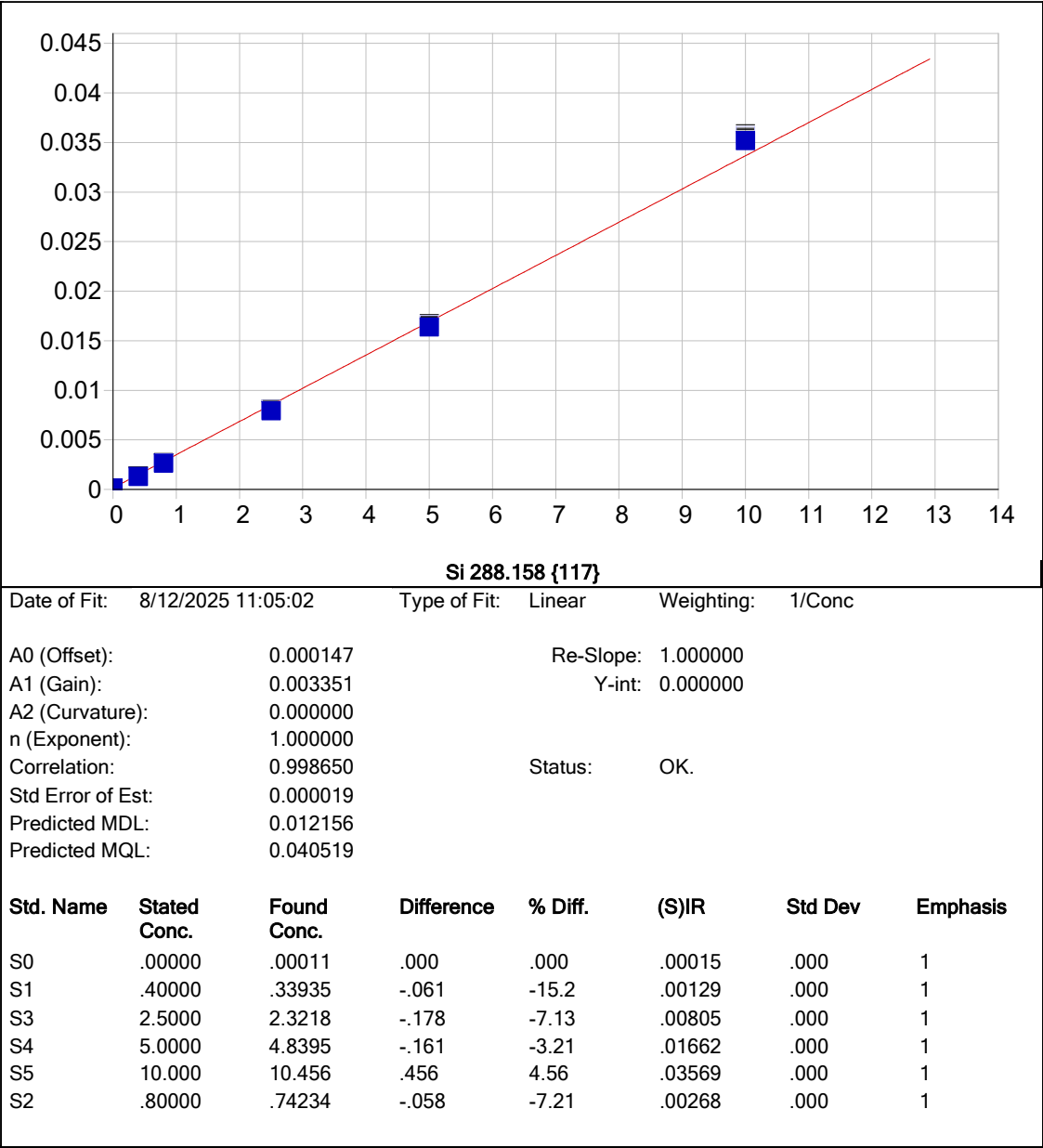
Re-Slope: 1.000000
Y-int: 0.000000
Status: OK.

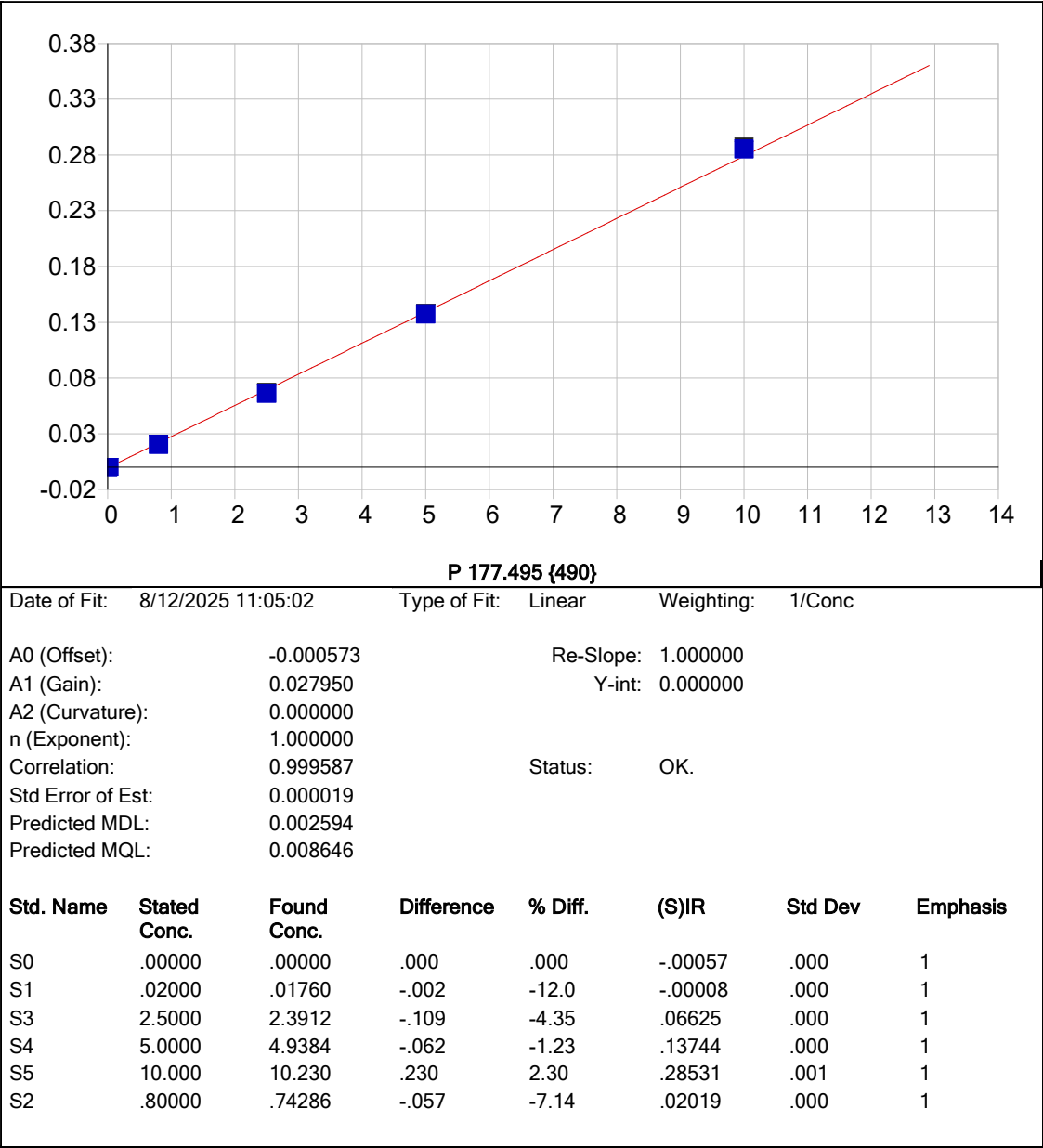
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00348	.001	1
S1	.10000	.09965	-.000	-.349	.05861	.000	1
S3	2.5000	2.4788	-.021	-.849	1.3779	.010	1
S4	5.0000	4.9359	-.064	-1.28	2.7404	.005	1
S5	10.000	10.071	.071	.715	5.5884	.028	1
S2	.80000	.81425	.014	1.78	.45502	.001	1

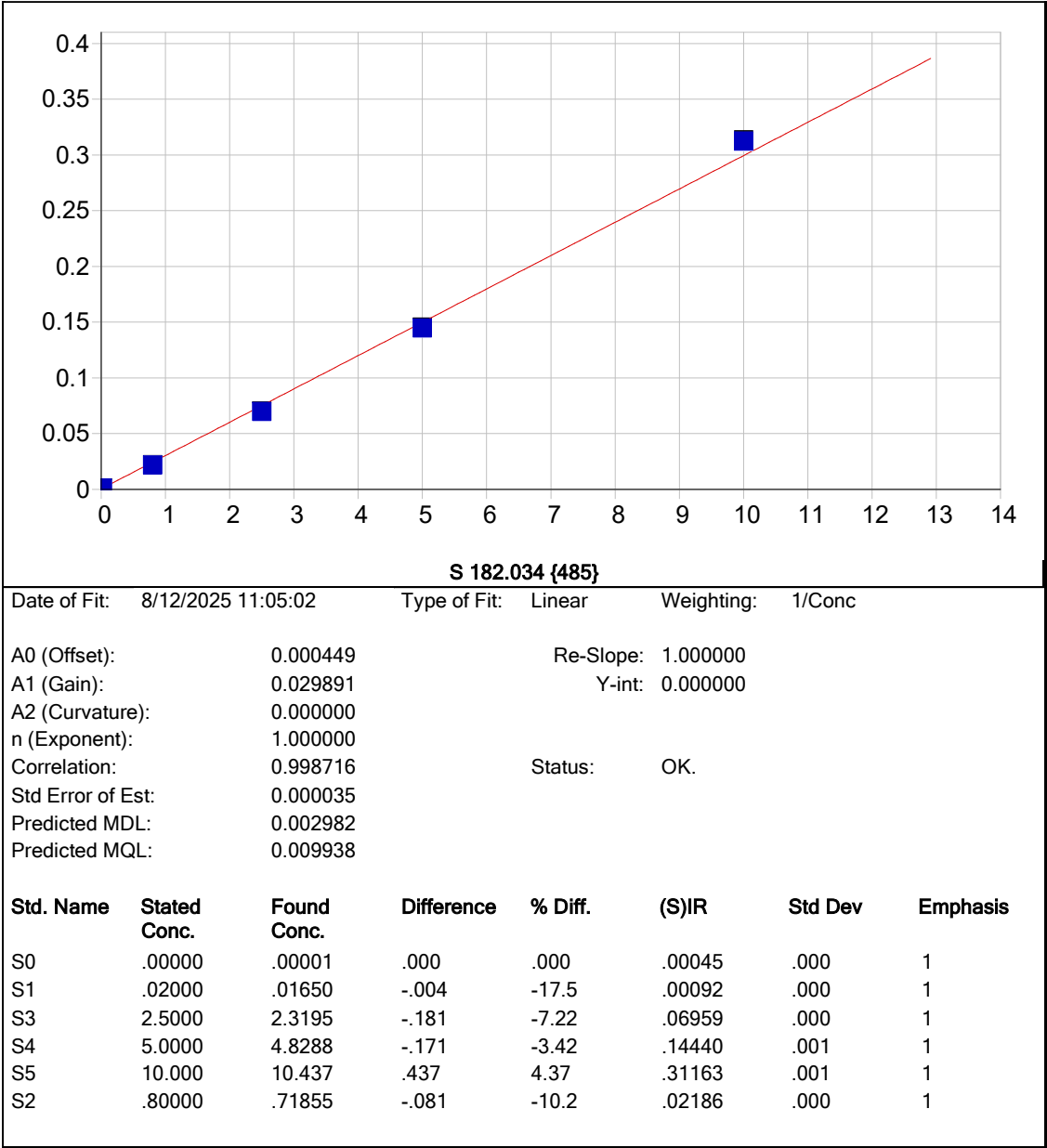


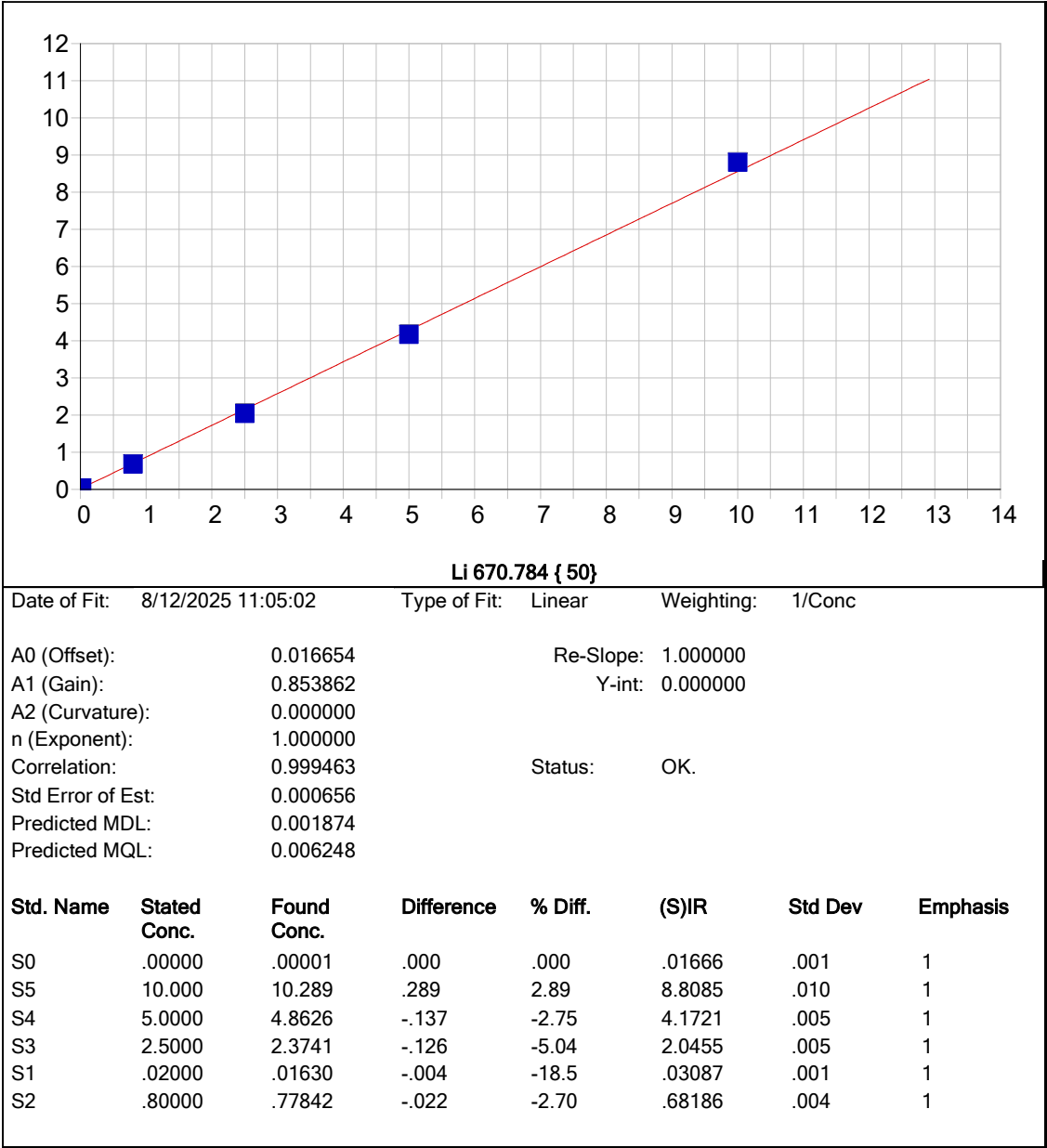


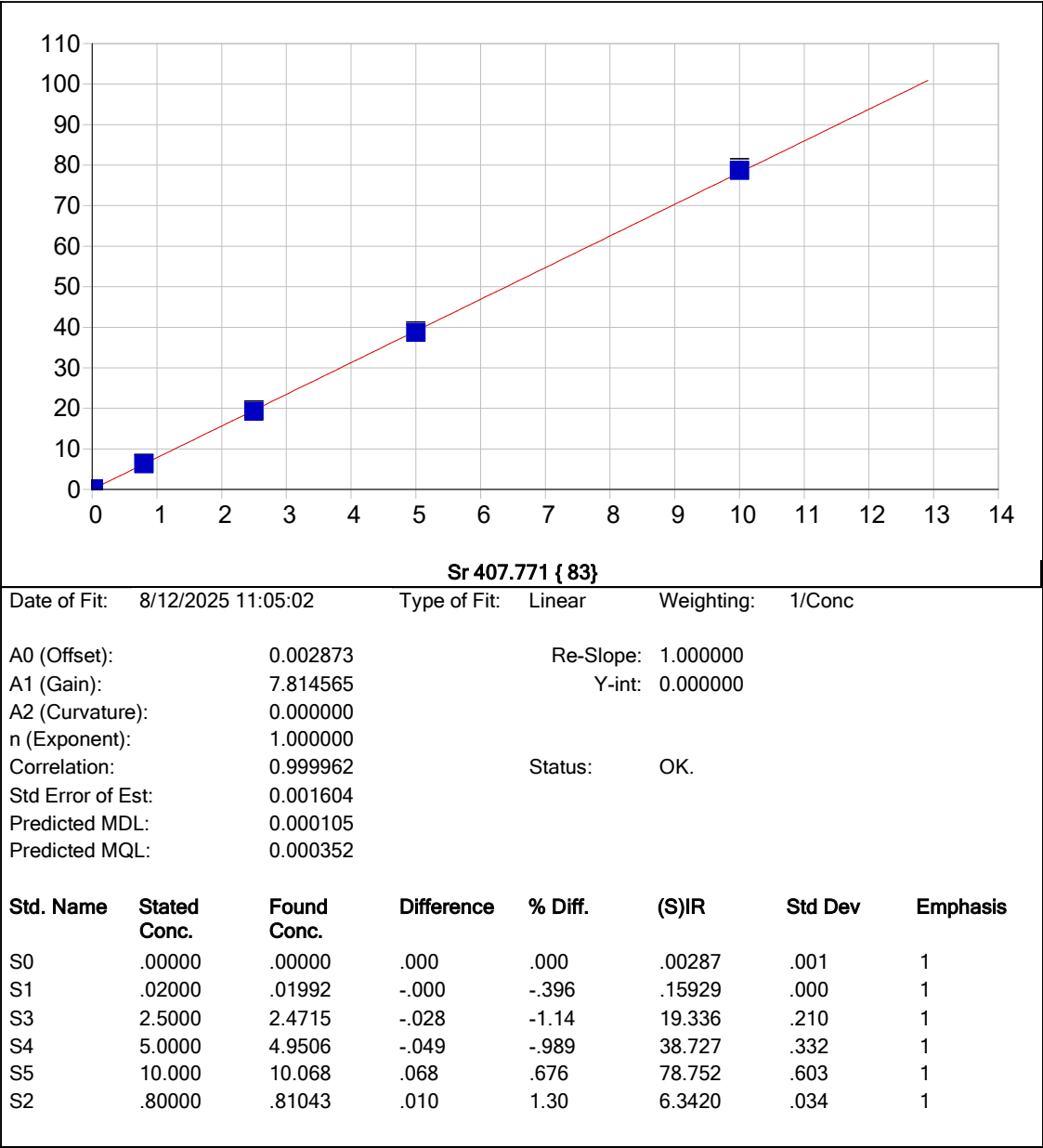


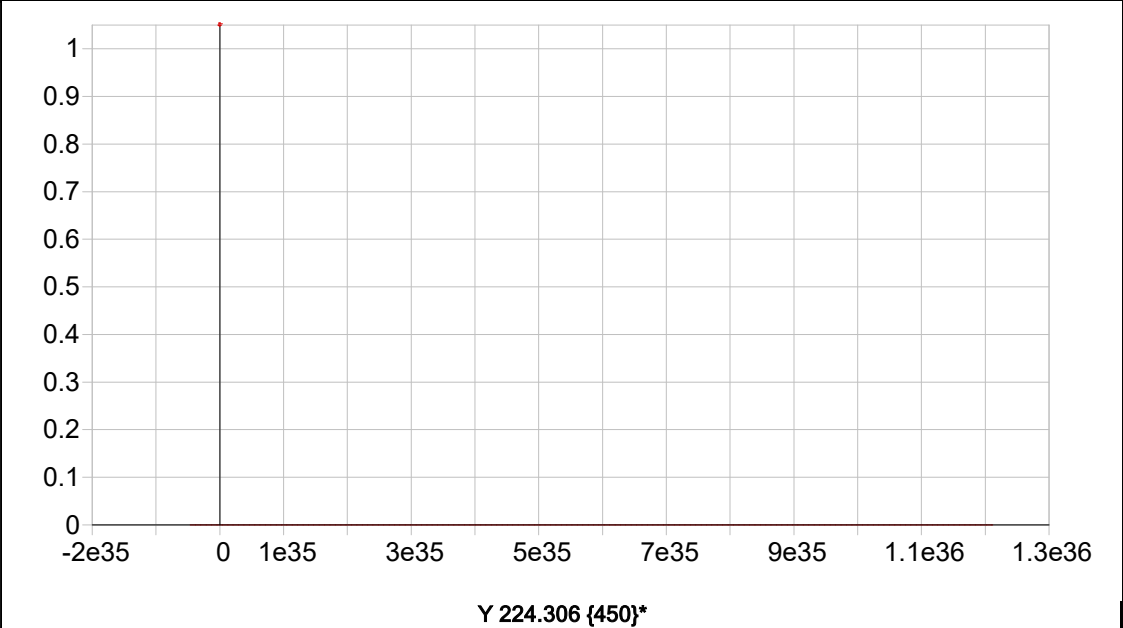








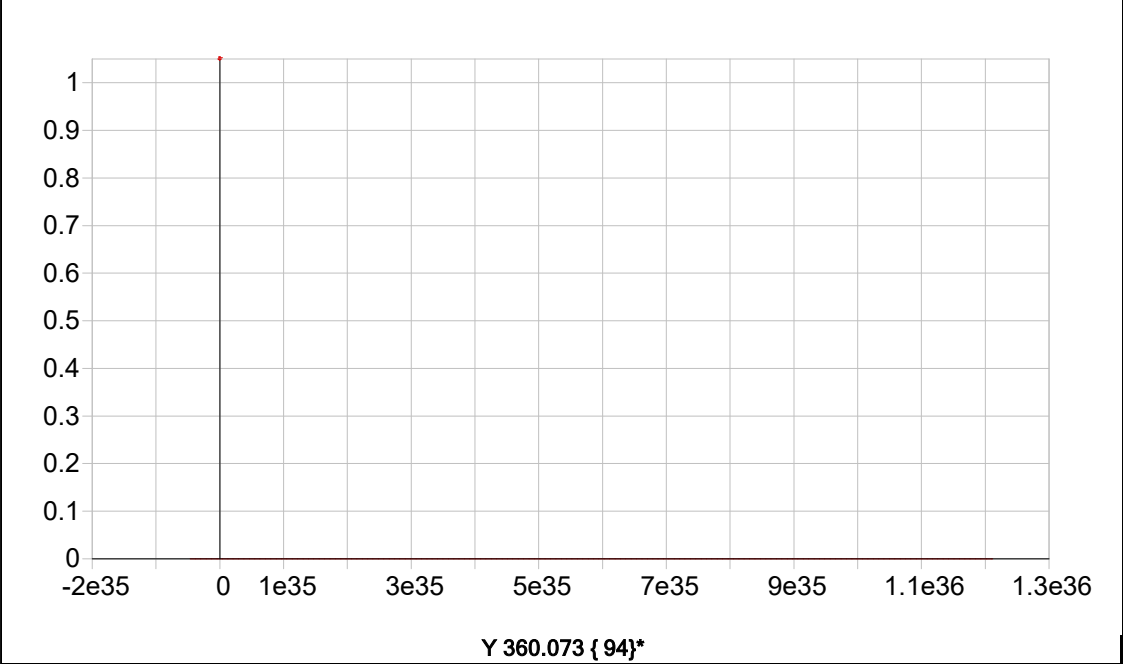




Date of Fit: 8/12/2025 10:39:10 Type of Fit: Linear Weighting: 1/Conc

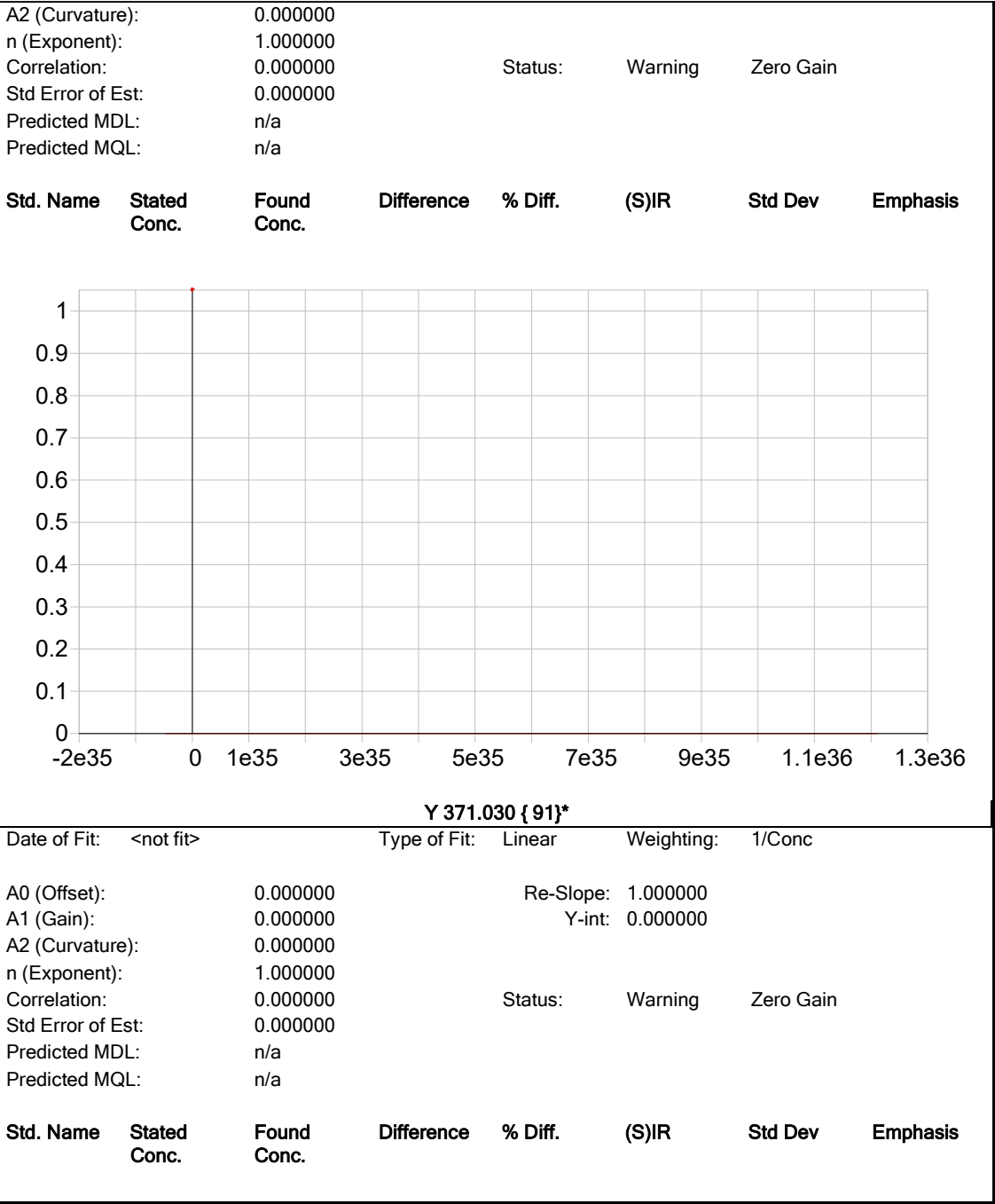
A0 (Offset): 0.000000 Re-Slope: 1.000000
A1 (Gain): 0.000000 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.000000 Status: Warning Zero Gain
Std Error of Est: 0.000000
Predicted MDL: n/a
Predicted MQL: n/a

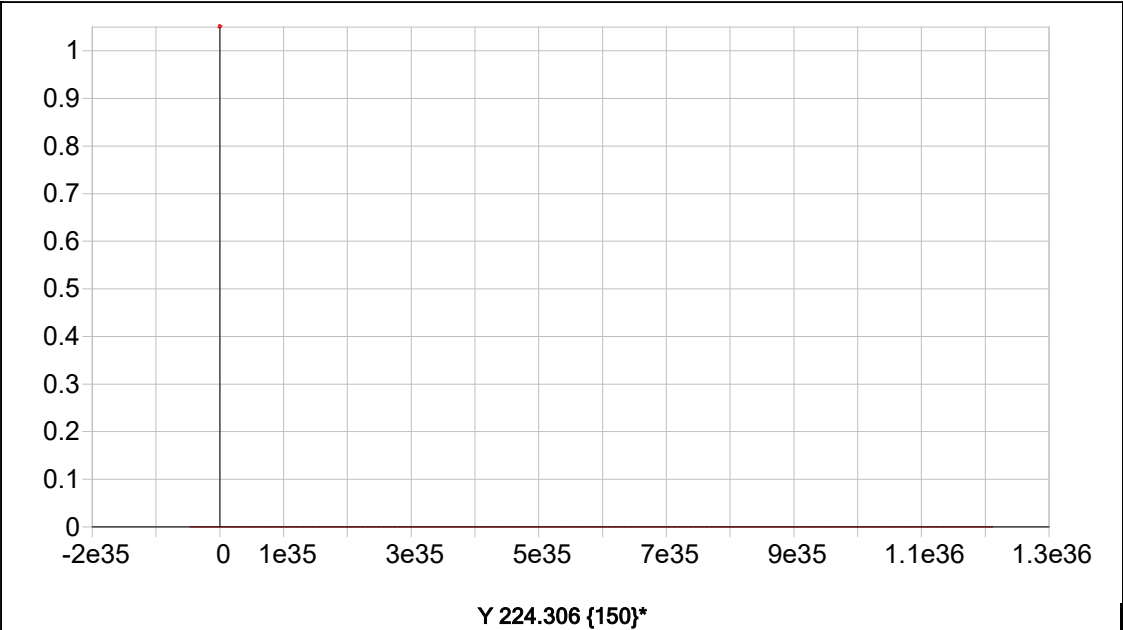
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

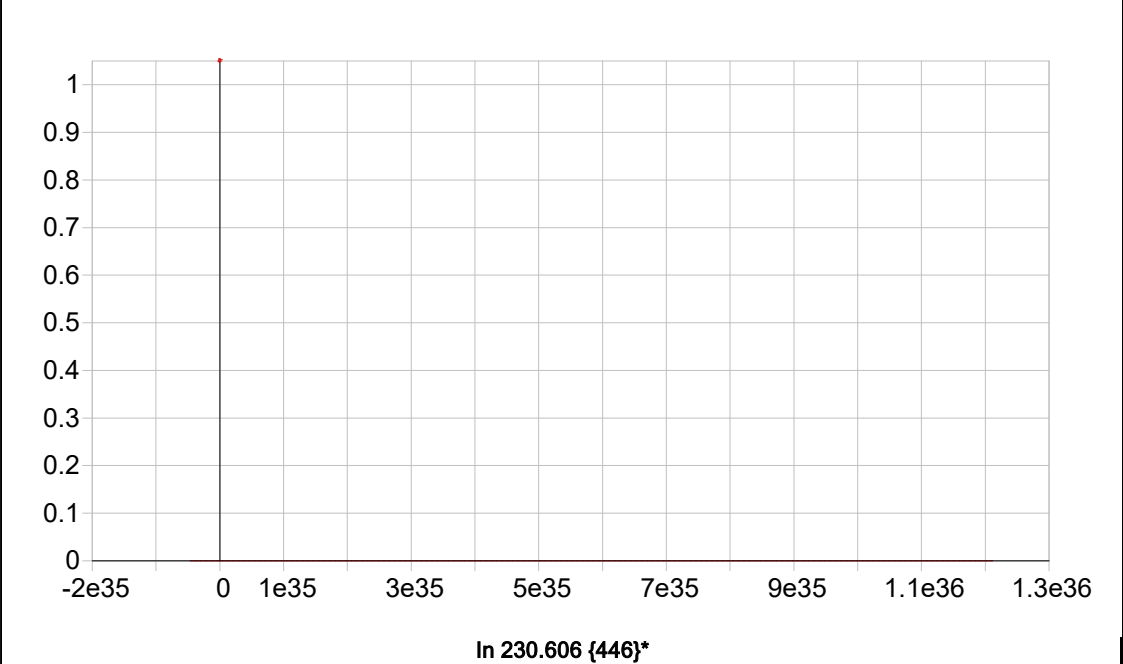
A0 (Offset): 0.000000 Re-Slope: 1.000000
A1 (Gain): 0.000000 Y-int: 0.000000





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

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000		
A1 (Gain):	0.000000		Y-int:	0.000000		

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: 8/12/2025 10:39:51 Type: Cal
Method: 6010-200.7 NEW(v94) 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	-.00011	.00129	.00017	.00044	.00061	.00024	.09153	-.00050
Stddev	.00002	.00008	.00003	.00013	.00011	.00029	.00176	.00026
%RSD	18.642	5.9339	18.017	30.573	17.305	121.31	1.9189	51.294

#1	-.00009	.00121	.00017	.00053	.00071	-.00001	.09331	-.00074
#2	-.00011	.00128	.00020	.00050	.00061	.00056	.08980	-.00054
#3	-.00014	.00137	.00014	.00028	.00050	.00017	.09148	-.00023

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	.00015	.00288	.00027	.00039	.00048	.00005	.00049	.00012
Stddev	.00015	.00063	.00002	.00013	.00017	.00002	.00013	.00008
%RSD	100.93	21.873	8.2166	33.022	35.135	39.058	26.725	65.321

#1	-.00002	.00351	.00028	.00027	.00055	.00003	.00063	.00004
#2	.00020	.00289	.00029	.00036	.00060	.00006	.00049	.00020
#3	.00026	.00225	.00025	.00052	.00029	.00007	.00036	.00012

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	-.00031	-.00074	.00403	-.00037	.00569	.00053	.00348	.00072
Stddev	.00014	.00003	.00007	.00029	.00014	.00014	.00056	.00007
%RSD	42.977	4.7120	1.7086	79.348	2.5149	26.611	16.170	9.8998

#1	-.00017	-.00076	.00395	-.00032	.00561	.00054	.00305	.00066
#2	-.00033	-.00070	.00406	-.00069	.00586	.00067	.00327	.00071
#3	-.00044	-.00076	.00407	-.00010	.00562	.00039	.00412	.00080

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	.00040	.00175	.00015	-.00057	.00045	.01666	.00287	
Stddev	.00005	.00027	.00005	.00005	.00005	.00118	.00061	
%RSD	12.930	15.440	31.386	8.2195	11.273	7.0718	21.073	

#1	.00042	.00203	.00010	-.00061	.00048	.01531	.00342	
#2	.00034	.00172	.00016	-.00058	.00048	.01717	.00297	
#3	.00044	.00149	.00019	-.00052	.00039	.01749	.00222	

Sample Name: S0 Acquired: 8/12/2025 10:39:51 Type: Cal
Method: 6010-200.7 NEW(v94) 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	5773.7	99647.	10139.	4517.5	7147.7
Stddev	11.1	253.	43.	10.3	1.9
%RSD	.19282	.25419	.42781	.22763	.02640
#1	5780.8	99938.	10167.	4520.1	7149.9
#2	5779.5	99525.	10089.	4526.2	7146.6
#3	5760.9	99478.	10162.	4506.2	7146.7

Sample Name: S1 Acquired: 8/12/2025 10:44:15 Type: Cal
Method: 6010-200.7 NEW(v94) 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	.00094	.00382	.00244	.00127	.00517	.00832	.27384	.04127
Stddev	.00012	.00011	.00038	.00001	.00010	.00029	.00123	.00023
%RSD	12.596	2.8694	15.626	1.1655	1.8513	3.5250	.45026	.54743
#1	.00100	.00378	.00229	.00126	.00507	.00821	.27465	.04119
#2	.00081	.00373	.00215	.00129	.00526	.00809	.27242	.04109
#3	.00102	.00394	.00287	.00126	.00517	.00865	.27445	.04153
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	.01746	.12365	.00234	.03182	.01465	.00040	.00961	.02589
Stddev	.00009	.00069	.00002	.00004	.00030	.00003	.00012	.00009
%RSD	.54388	.55827	.71551	.11690	2.0179	6.3673	1.2437	.34375
#1	.01742	.12326	.00232	.03178	.01470	.00042	.00948	.02598
#2	.01739	.12323	.00234	.03183	.01434	.00037	.00963	.02589
#3	.01757	.12444	.00235	.03186	.01493	.00041	.00971	.02581
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	.00130	.02014	.00494	.10224	.00936	.05861	.13898
Stddev	.00024	.00010	.00014	.00027	.00086	.00013	.00023	.00051
%RSD	.98641	7.5513	.70612	5.3928	.84411	1.4164	.38961	.36575
#1	.02430	.00132	.02014	.00508	.10196	.00921	.05883	.13881
#2	.02421	.00119	.02028	.00463	.10321	.00944	.05838	.13858
#3	.02467	.00138	.02000	.00511	.10155	.00944	.05861	.13955
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	.00610	.01314	.00129	-.00008	.00092	.03087	.15929	
Stddev	.00011	.00020	.00005	.00003	.00007	.00114	.00025	
%RSD	1.7272	1.5416	3.9153	36.334	7.5311	3.6770	.15529	
#1	.00600	.01295	.00129	-.00006	.00090	.03215	.15902	
#2	.00608	.01336	.00134	-.00011	.00099	.03050	.15936	
#3	.00621	.01312	.00124	-.00007	.00086	.02997	.15951	

Sample Name: S1 Acquired: 8/12/2025 10:44:15 Type: Cal
Method: 6010-200.7 NEW(v94) 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	5858.6	99678.	10390.	4457.8	7255.0
Stddev	9.0	259.	47.	10.5	11.1
%RSD	.15323	.25963	.45124	.23586	.15290
#1	5849.8	99668.	10395.	4469.6	7242.9
#2	5867.8	99424.	10435.	4449.5	7264.7
#3	5858.1	99941.	10341.	4454.3	7257.2

Sample Name: S2 Acquired: 8/12/2025 10:48:31 Type: Cal
Method: 6010-200.7 NEW(v94) 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	.04073	.06021	.15943	.03806	.07461	.12936	3.0879	.28197
Stddev	.00028	.00063	.00020	.00013	.00024	.00061	.0142	.00106
%RSD	.67829	1.0436	.12733	.33939	.32583	.46775	.46131	.37500

#1	.04042	.06017	.15948	.03791	.07440	.12870	3.0751	.28114
#2	.04080	.06086	.15920	.03815	.07456	.12947	3.1032	.28316
#3	.04096	.05961	.15960	.03811	.07488	.12989	3.0853	.28160

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	1.1982	.24330	.03339	.41534	.13750	.00292	.17513	.04859
Stddev	.0024	.00114	.00012	.00042	.00048	.00001	.00092	.00013
%RSD	.20044	.46665	.35069	.10076	.35140	.31013	.52798	.26817

#1	1.2005	.24220	.03333	.41550	.13700	.00293	.17442	.04873
#2	1.1957	.24447	.03332	.41487	.13751	.00291	.17618	.04848
#3	1.1984	.24324	.03353	.41565	.13797	.00293	.17480	.04855

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	.24195	.04022	.03601	.05225	.98041	.01826	.45502	.55249
Stddev	.00052	.00002	.00021	.00052	.00111	.00024	.00122	.00147
%RSD	.21551	.05702	.58216	1.0038	.11356	1.3196	.26721	.26554

#1	.24195	.04025	.03590	.05193	.98170	.01819	.45543	.55127
#2	.24143	.04020	.03589	.05195	.97977	.01807	.45598	.55209
#3	.24248	.04021	.03626	.05285	.97977	.01853	.45365	.55412

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	.11671	.23929	.00268	.02019	.02186	.68186	6.3420
Stddev	.00010	.00182	.00003	.00007	.00014	.00449	.0340
%RSD	.08422	.76187	1.1457	.35321	.64417	.65831	.53609

#1	.11660	.23850	.00268	.02027	.02187	.67924	6.3080
#2	.11679	.24138	.00270	.02016	.02200	.68704	6.3760
#3	.11673	.23800	.00264	.02013	.02172	.67930	6.3420

Sample Name: S2 Acquired: 8/12/2025 10:48:31 Type: Cal
Method: 6010-200.7 NEW(v94) 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	5857.5	99337.	10318.	4471.4	7170.1
Stddev	4.4	103.	49.	12.6	5.5
%RSD	.07554	.10346	.47211	.28247	.07699
#1	5862.5	99435.	10333.	4476.8	7164.2
#2	5855.4	99347.	10264.	4480.5	7175.0
#3	5854.4	99230.	10358.	4457.0	7171.2

Sample Name: S3 Acquired: 8/12/2025 10:52:35 Type: Cal
Method: 6010-200.7 NEW(v94) 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	.12713	.18157	.49683	.11782	.23002	.39714	9.3003	.86613
Stddev	.00016	.00335	.00072	.00019	.00033	.00118	.0179	.00390
%RSD	.12895	1.8453	.14556	.15940	.14230	.29652	.19285	.44987

#1	.12697	.18017	.49635	.11768	.22965	.39771	9.3155	.86638
#2	.12730	.18539	.49648	.11803	.23025	.39579	9.2805	.86212
#3	.12713	.17914	.49767	.11776	.23018	.39793	9.3049	.86990

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	3.7937	.73814	.10254	1.3010	.42055	.00862	.52879	.14722
Stddev	.0038	.00074	.00017	.0021	.00037	.00009	.00090	.00053
%RSD	.10066	.09977	.16176	.15879	.08727	1.0011	.17023	.35703

#1	3.7895	.73898	.10236	1.2988	.42020	.00857	.52805	.14686
#2	3.7946	.73760	.10257	1.3016	.42093	.00872	.52853	.14783
#3	3.7969	.73785	.10269	1.3028	.42053	.00856	.52980	.14699

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	.75635	.12464	.10643	.16031	2.9871	.05795	1.3779	1.6910
Stddev	.00183	.00013	.00031	.00042	.0043	.00039	.0098	.0017
%RSD	.24159	.10115	.29440	.26470	.14324	.66531	.71102	.10148

#1	.75448	.12462	.10626	.16007	2.9831	.05783	1.3786	1.6895
#2	.75643	.12452	.10679	.16006	2.9916	.05838	1.3678	1.6929
#3	.75814	.12477	.10625	.16080	2.9867	.05764	1.3874	1.6907

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	.36665	.72854	.00805	.06625	.06959	2.0455	19.336
Stddev	.00070	.00167	.00002	.00031	.00031	.0045	.210
%RSD	.19074	.22866	.29853	.46404	.44372	.22203	1.0856

#1	.36603	.73007	.00803	.06593	.06935	2.0503	19.507
#2	.36652	.72877	.00806	.06627	.06994	2.0413	19.102
#3	.36741	.72677	.00807	.06655	.06947	2.0450	19.398

Sample Name: S3 Acquired: 8/12/2025 10:52:35 Type: Cal
Method: 6010-200.7 NEW(v94) 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	5780.6	97200.	10315.	4445.3	6880.1
Stddev	8.0	42.	51.	9.4	3.7
%RSD	.13814	.04316	.49599	.21119	.05323
#1	5771.7	97228.	10311.	4450.1	6880.0
#2	5783.0	97152.	10367.	4434.5	6883.8
#3	5787.1	97221.	10265.	4451.4	6876.5

Sample Name: S4 Acquired: 8/12/2025 10:56:40 Type: Cal
Method: 6010-200.7 NEW(v94) 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	.25854	.34885	1.0027	.23746	.46297	.79482	18.552	1.7196
Stddev	.00073	.01387	.0020	.00143	.00085	.00057	.110	.0052
%RSD	.28212	3.9760	.20236	.60028	.18320	.07230	.59179	.30307

#1	.25794	.33549	1.0029	.23593	.46257	.79496	18.532	1.7141
#2	.25833	.34788	1.0006	.23770	.46240	.79419	18.453	1.7244
#3	.25935	.36318	1.0046	.23875	.46394	.79531	18.670	1.7202

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	7.7505	1.4764	.20365	2.6478	.83514	.01730	1.0596	.29739
Stddev	.0177	.0010	.00032	.0045	.00127	.00006	.0014	.00079
%RSD	.22858	.06957	.15624	.17124	.15158	.32426	.13202	.26590

#1	7.7495	1.4756	.20348	2.6497	.83547	.01737	1.0580	.29648
#2	7.7334	1.4776	.20402	2.6427	.83375	.01728	1.0599	.29784
#3	7.7688	1.4762	.20345	2.6512	.83622	.01726	1.0608	.29786

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	1.5363	.25000	.22087	.32449	5.9656	.11933	2.7404	3.3733
Stddev	.0029	.00017	.00044	.00072	.0070	.00025	.0046	.0111
%RSD	.19148	.06690	.19845	.22249	.11747	.20639	.16593	.33029

#1	1.5367	.24984	.22061	.32375	5.9662	.11920	2.7352	3.3638
#2	1.5331	.24998	.22137	.32519	5.9584	.11961	2.7439	3.3705
#3	1.5390	.25017	.22062	.32454	5.9724	.11917	2.7419	3.3855

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	.73952	1.4707	.01662	.13744	.14440	4.1721	38.727
Stddev	.00235	.0015	.00010	.00038	.00088	.0054	.332
%RSD	.31774	.10526	.60245	.27921	.61005	.12914	.85689

#1	.73746	1.4689	.01657	.13768	.14343	4.1659	38.401
#2	.73902	1.4718	.01673	.13699	.14462	4.1748	38.716
#3	.74208	1.4714	.01655	.13763	.14514	4.1756	39.064

Sample Name: S4 Acquired: 8/12/2025 10:56:40 Type: Cal
Method: 6010-200.7 NEW(v94) 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	5659.0	96265.	10267.	4337.7	6589.3
Stddev	13.6	174.	25.	11.9	14.6
%RSD	.24010	.18047	.24775	.27544	.22212
#1	5643.3	96312.	10294.	4351.5	6572.5
#2	5666.3	96072.	10244.	4330.2	6599.3
#3	5667.4	96410.	10262.	4331.3	6596.1

Sample Name: S5 Acquired: 8/12/2025 11:00:52 Type: Cal
Method: 6010-200.7 NEW(v94) 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	.54035	.70982	2.1061	.49776	.97219	1.6576	38.424	3.4971
Stddev	.00166	.00541	.0030	.00142	.00240	.0039	.530	.0207
%RSD	.30791	.76247	.14349	.28514	.24703	.23510	1.3792	.59185

#1	.53861	.71564	2.1094	.49683	.97037	1.6612	38.832	3.5167
#2	.54052	.70494	2.1035	.49706	.97129	1.6582	38.616	3.4991
#3	.54192	.70886	2.1055	.49939	.97491	1.6535	37.825	3.4755

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	16.180	3.0445	.41475	5.5685	1.7129	.03633	2.1826	.61490
Stddev	.020	.0100	.00041	.0032	.0027	.00018	.0030	.00330
%RSD	.12448	.32738	.09844	.05803	.15827	.49171	.13611	.53601

#1	16.203	3.0559	.41493	5.5722	1.7115	.03612	2.1854	.61805
#2	16.165	3.0402	.41504	5.5665	1.7112	.03645	2.1795	.61518
#3	16.171	3.0374	.41428	5.5668	1.7160	.03641	2.1829	.61148

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	3.2195	.52186	.47954	.67752	12.334	.25931	5.5884	6.9578
Stddev	.0022	.00065	.00202	.00164	.012	.00113	.0279	.0063
%RSD	.06893	.12428	.42206	.24179	.09654	.43500	.49955	.09133

#1	3.2218	.52250	.47830	.67870	12.321	.25843	5.6176	6.9543
#2	3.2174	.52121	.47845	.67820	12.340	.25891	5.5857	6.9540
#3	3.2192	.52187	.48188	.67565	12.342	.26058	5.5620	6.9652

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	1.5400	3.0630	.03569	.28531	.31163	8.8085	78.752
Stddev	.0027	.0023	.00018	.00142	.00103	.0100	.603
%RSD	.17659	.07438	.50589	.49707	.33045	.11395	.76541

#1	1.5431	3.0654	.03548	.28681	.31254	8.8106	79.378
#2	1.5386	3.0609	.03580	.28512	.31051	8.7976	78.701
#3	1.5382	3.0626	.03579	.28400	.31184	8.8174	78.176

Sample Name: S5 Acquired: 8/12/2025 11:00:52 Type: Cal
Method: 6010-200.7 NEW(v94) 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	5648.8	96329.	10483.	4315.7	6436.4
Stddev	3.2	394.	92.	3.8	10.8
%RSD	.05726	.40928	.88176	.08767	.16737
#1	5647.9	96005.	10400.	4317.1	6423.9
#2	5652.3	96214.	10468.	4311.5	6442.3
#3	5646.0	96768.	10583.	4318.6	6442.8

Sample Name: ICV01 Acquired: 8/12/2025 11:34:20 Type: Unk
Method: 6010-200.7 NEW(v94) 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	3.827478	3.856215	4.054441	3.804755	3.935211	7.677099
Stddev	.005045	.133295	.005007	.010640	.008094	.010522
%RSD	.1318084	3.456621	.1234821	.2796541	.2056943	.1370561

#1	3.822166	3.741803	4.049321	3.803466	3.932565	7.671559
#2	3.828064	3.824260	4.059325	3.794818	3.928771	7.670506
#3	3.832205	4.002583	4.054676	3.815981	3.944297	7.689234

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.751092	.1909819	1.902061	19.25956	.7941449	1.949175
Stddev	.083371	.0008411	.002555	.02411	.0016359	.001988
%RSD	1.075608	.4404286	.1343061	.1251798	.2059890	.1019772

#1	7.671394	.1904099	1.899508	19.24375	.7941175	1.947053
#2	7.744177	.1905881	1.904617	19.24762	.7957943	1.950993
#3	7.837706	.1919477	1.902060	19.28731	.7925230	1.949480

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9993183	3.933162	1.934546	19.18459	1.953394	1.011546
Stddev	.0001391	.011053	.006821	.03188	.002272	.001644
%RSD	.0139212	.2810283	.3525731	.1661644	.1162901	.1625000

#1	.9991577	3.920427	1.929733	19.20161	1.951126	1.013048
#2	.9994007	3.940263	1.931554	19.14781	1.955669	1.011800
#3	.9993966	3.938796	1.942352	19.20434	1.953386	1.009790

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.24067	1.939732	1.945433	19.22978	3.702397	3.891856
Stddev	.08226	.006460	.000736	.02555	.010241	.004757
%RSD	.4275415	.3330476	.0378118	.1328593	.2766057	.1222349

#1	19.19270	1.942184	1.945168	19.20033	3.697508	3.889272
#2	19.33565	1.932404	1.946264	19.24289	3.695516	3.888951
#3	19.19365	1.944606	1.944867	19.24610	3.714166	3.897346

Sample Name: ICV01 Acquired: 8/12/2025 11:34:20 Type: Unk
Method: 6010-200.7 NEW(v94) 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	3.800428	3.828675	3.612197	F .0021788	F .0182114	F -.005478
Stddev	.010170	.012360	.008015	.0007686	.0011826	.000853
%RSD	.2676033	.3228378	.2218906	35.27613	6.493919	15.56389
#1	3.788700	3.820876	3.603153	.0030316	.0168718	-.004665
#2	3.805778	3.822223	3.615016	.0015395	.0191110	-.006365
#3	3.806807	3.842926	3.618421	.0019653	.0186513	-.005404

Elem	Sr4077
Units	ppm
Avg	F -.003617
Stddev	.000026
%RSD	.7239978
#1	-.003610
#2	-.003595
#3	-.003646

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5702.939	97677.71	10749.79	4367.464	6729.118
Stddev	4.772	312.23	69.80	10.440	9.774
%RSD	.0836716	.3196509	.6493332	.2390387	.1452425
#1	5703.727	98036.83	10818.52	4379.487	6735.643
#2	5697.823	97470.58	10751.89	4362.222	6717.881
#3	5707.268	97525.72	10678.96	4360.684	6733.831

Sample Name: LLICV01 Acquired: 8/12/2025 11:43:41 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0221581	.0333585	.0109138	.0181511	.0511248	.0994015
Stddev	.0011746	.0024521	.0001964	.0004092	.0015376	.0069323
%RSD	5.300952	7.350778	1.799630	2.254241	3.007579	6.974030

#1	.0208210	.0306879	.0108122	.0180015	.0528992	.1071393
#2	.0230235	.0355084	.0111402	.0178378	.0501844	.0973076
#3	.0226298	.0338792	.0107890	.0186140	.0502907	.0937575

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0910530	.0058392	.0054451	1.988421	.0099467	.0290148
Stddev	.0006801	.0000960	.0000423	.011075	.0002169	.0001792
%RSD	.7469401	1.643426	.7773618	.5569902	2.180425	.6175083

#1	.0911478	.0058184	.0054529	1.996446	.0098858	.0291539
#2	.0916807	.0059439	.0053994	1.993033	.0097668	.0288126
#3	.0903305	.0057554	.0054830	1.975785	.0101875	.0290778

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0212093	.1024490	.0205122	2.089462	.0389555	.0102098
Stddev	.0002471	.0015374	.0002105	.008856	.0000854	.0005703
%RSD	1.164853	1.500610	1.026445	.4238420	.2192438	5.586054

#1	.0210114	.1038144	.0204603	2.079242	.0389653	.0101711
#2	.0211304	.1007838	.0203324	2.094278	.0390357	.0107985
#3	.0214862	.1027487	.0207438	2.094867	.0388657	.0096598

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.727253	.0427037	.0404703	1.727757	.0980814	.2015843
Stddev	.025202	.0007184	.0002241	.036962	.0005200	.0003812
%RSD	1.459083	1.682394	.5536520	2.139285	.5301234	.1891130

#1	1.710439	.0429338	.0402138	1.701489	.0985159	.2014650
#2	1.715091	.0432790	.0406278	1.711759	.0982230	.2012770
#3	1.756230	.0418984	.0405692	1.770023	.0975053	.2020109

Sample Name: LLICV01 Acquired: 8/12/2025 11:43:41 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0375429	.0376899	.3727282	.0161643	F .0102614	F .0116703
Stddev	.0002432	.0006794	.0071505	.0012198	.0022087	.0023699
%RSD	.6477565	1.802634	1.918427	7.546235	21.52490	20.30664
#1	.0372828	.0383259	.3652932	.0175344	.0127106	.0113575
#2	.0377647	.0369741	.3733360	.0157618	.0084207	.0141811
#3	.0375811	.0377697	.3795554	.0151966	.0096528	.0094724

Elem	Sr4077
Units	ppm
Avg	.0197968
Stddev	.0000291
%RSD	.1469800
#1	.0198289
#2	.0197893
#3	.0197722

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5895.441	100597.2	10957.19	4508.203	7310.368
Stddev	3.347	216.7	88.52	9.602	9.879
%RSD	.0567795	.2154027	.8078314	.2129972	.1351324
#1	5894.698	100721.7	10914.04	4500.682	7299.494
#2	5899.097	100722.9	10898.53	4504.908	7312.823
#3	5892.527	100347.0	11059.01	4519.019	7318.788

Sample Name: ICB01 Acquired: 8/12/2025 11:48:12 Type: Unk
Method: 6010-200.7 NEW(v94) 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	-.000329	-.003408	.0002282	-.002032	-.000247	.0022890	-.005410
Stddev	.000844	.000863	.0002078	.000804	.001300	.0141998	.001373
%RSD	256.5969	25.33567	91.07818	39.54783	526.1683	620.3448	25.38017

#1	.000296	-.002464	.0003106	-.002439	-.000690	-.008168	-.006398
#2	.000006	-.004157	-.000008	-.002550	-.001268	-.003419	-.005989
#3	-.001289	-.003604	.000382	-.001106	.001216	.018455	-.003842

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000008	-.000095	.0028982	-.000008	-.000201	.0003985	.0026191
Stddev	.000045	.000031	.0041362	.000075	.000100	.0002509	.0021456
%RSD	575.2749	32.73757	142.7166	1000.675	49.81639	62.96727	81.91999

#1	-.000059	-.000074	.0053937	.000068	-.000214	.0002614	.0027003
#2	.000013	-.000081	.0051771	-.000082	-.000095	.0006881	.0047229
#3	.000023	-.000131	-.001876	-.000009	-.000294	.0002460	.0004341

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001239	-.005157	.0010245	.0004854	-.220553	.0022966	.0029096
Stddev	.0004085	.011462	.0005896	.0003681	.010639	.0004536	.0001823
%RSD	329.8417	222.2580	57.54405	75.82873	4.823562	19.74939	6.266317

#1	-.000282	.004529	.0009523	.0000904	-.232075	.0019689	.0027055
#2	.000119	-.002189	.0016469	.0008187	-.211102	.0021067	.0030563
#3	.000535	-.017812	.0004744	.0005471	-.218483	.0028142	.0029670

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.283032	.0020442	-.000010	.0000860	-.001263	-.002635	-.001331
Stddev	.033432	.0004692	.000134	.0002771	.001670	.012328	.000997
%RSD	11.81215	22.95156	1342.288	322.1029	132.1937	467.9598	74.90055

#1	-.265157	.0015046	-.000100	-.000186	-.000471	-.016679	-.002480
#2	-.321602	.0023556	-.000073	.000368	-.000137	.002375	-.000693
#3	-.262338	.0022725	.000144	.000075	-.003182	.006401	-.000821

Sample Name: ICB01 Acquired: 8/12/2025 11:48:12 Type: Unk
Method: 6010-200.7 NEW(v94) 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	-.001826	-.008225	-.000080
Stddev	.002822	.000608	.000032
%RSD	154.5799	7.392014	40.27235

#1	.000126	-.008216	-.000071
#2	-.005061	-.008837	-.000053
#3	-.000542	-.007621	-.000116

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5943.974	102768.2	10934.14	4535.642	7499.218
Stddev	3.981	89.4	33.91	23.608	2.056
%RSD	.0669821	.0869601	.3101353	.5205067	.0274118

#1	5945.970	102665.2	10971.92	4561.678	7500.390
#2	5946.564	102813.6	10906.33	4515.627	7496.844
#3	5939.390	102825.7	10924.18	4529.622	7500.420

Sample Name: CRI01 Acquired: 8/12/2025 11:56:03 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0216363	.0327934	.0111365	.0172813	.0486426	.1029920
Stddev	.0004035	.0018670	.0017774	.0017416	.0006836	.0032377
%RSD	1.864918	5.693169	15.95982	10.07778	1.405381	3.143625

#1	.0220826	.0313678	.0128163	.0182154	.0486276	.1022560
#2	.0212974	.0349067	.0092754	.0152719	.0479666	.1065343
#3	.0215288	.0321058	.0113179	.0183564	.0493335	.1001857

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0916270	.0057549	.0053432	1.966015	.0098773	.0285161
Stddev	.0006083	.0000237	.0000558	.012424	.0000741	.0002397
%RSD	.6639146	.4117924	1.044199	.6319515	.7499497	.8405054

#1	.0913318	.0057794	.0053847	1.978042	.0097935	.0282437
#2	.0923266	.0057531	.0053652	1.966774	.0099046	.0286949
#3	.0912226	.0057321	.0052798	1.953228	.0099339	.0286096

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0202936	.0981165	.0204174	2.058315	.0385099	.0103648
Stddev	.0001662	.0065518	.0003996	.019191	.0000968	.0004722
%RSD	.8190262	6.677522	1.957216	.9323491	.2514518	4.555747

#1	.0204854	.0960243	.0200052	2.078915	.0385430	.0104284
#2	.0201938	.1054588	.0208031	2.055086	.0385858	.0098641
#3	.0202014	.0928663	.0204441	2.040944	.0384008	.0108020

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.673437	.0391545	.0399580	1.643519	.0953303	.2003842
Stddev	.013452	.0021117	.0002973	.018482	.0007306	.0005627
%RSD	.8038595	5.393214	.7441176	1.124526	.7663645	.2807834

#1	1.657944	.0368085	.0402537	1.632951	.0961515	.1997402
#2	1.680217	.0409031	.0396591	1.664859	.0950868	.2006316
#3	1.682149	.0397520	.0399611	1.632745	.0947526	.2007807

Sample Name: CRI01 Acquired: 8/12/2025 11:56:03 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0365093	.0373467	.3573184	.0168092	F .0112078	F .0121321
Stddev	.0003078	.0005001	.0033472	.0007416	.0012601	.0009042
%RSD	.8431459	1.338978	.9367471	4.411780	11.24281	7.452679

#1	.0363831	.0379142	.3573582	.0162822	.0098073	.0112511
#2	.0362847	.0369709	.3539515	.0176572	.0122496	.0130577
#3	.0368602	.0371548	.3606455	.0164882	.0115665	.0120874

Elem	Sr4077
Units	ppm
Avg	.0197088
Stddev	.0000999
%RSD	.5069930

#1	.0198159
#2	.0196181
#3	.0196922

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5961.764	102472.0	10992.60	4505.229	7461.933
Stddev	12.733	279.8	46.75	28.402	15.386
%RSD	.2135738	.2730744	.4252556	.6304191	.2061903

#1	5948.473	102512.2	10943.38	4493.778	7450.783
#2	5962.967	102729.6	11036.40	4537.568	7455.530
#3	5973.853	102174.3	10998.03	4484.340	7479.487

Sample Name: ICSA01 Acquired: 8/12/2025 12:00:58 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0093968	.0013116	-.007544	.0036718	-.004629	237.4698
Stddev	.0029924	.0012562	.002707	.0033024	.001775	.0689
%RSD	31.84524	95.77752	35.89156	89.93793	38.33855	.0290103

#1	.0059801	-.000026	-.010316	.0066108	-.005081	237.4643
#2	.0115515	.002467	-.004906	.0043066	-.002672	237.5413
#3	.0106587	.001493	-.007408	.0000982	-.006134	237.4038

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003437	.0013394	.0010079	227.3674	.0574185	.0014710
Stddev	.001333	.0000141	.0000771	.0097	.0000787	.0001161
%RSD	38.79650	1.052298	7.649252	.0042764	.1370760	7.891506

#1	-.004194	.0013421	.0010882	227.3563	.0573301	.0013951
#2	-.001897	.0013241	.0009345	227.3742	.0574809	.0014133
#3	-.004220	.0013520	.0010010	227.3717	.0574445	.0016046

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048831	98.29348	.0077573	239.5371	.0053403	.0022264
Stddev	.0001836	.48879	.0005634	.1936	.0003054	.0000583
%RSD	3.761015	.4972735	7.262952	.0808299	5.717990	2.618289

#1	.0050301	98.00011	.0077158	239.3142	.0054639	.0022109
#2	.0046772	98.85773	.0083403	239.6338	.0049925	.0022909
#3	.0049419	98.02259	.0072158	239.6634	.0055645	.0021775

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.085158	.0032793	.0023087	-.088443	.0071336	.0002085
Stddev	.015595	.0030399	.0005997	.031766	.0038078	.0001500
%RSD	18.31249	92.69973	25.97526	35.91656	53.37865	71.91444

#1	-.088758	.0019232	.0017168	-.062571	.0039194	.0000442
#2	-.098639	.0011535	.0022935	-.123897	.0113390	.0003380
#3	-.068079	.0067611	.0029159	-.078862	.0061424	.0002435

Sample Name: ICSA01 Acquired: 8/12/2025 12:00:58 Type: Unk
Method: 6010-200.7 NEW(v94) 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	-.002236	-.006157	.0166797	.0056365	-.012637	F -.032544
Stddev	.000855	.001641	.0088123	.0052795	.005098	.001457
%RSD	38.21562	26.65503	52.83235	93.66674	40.34223	4.477422
#1	-.001650	-.005829	.0205511	.0087506	-.013671	-.030877
#2	-.003217	-.007937	.0228936	-.000459	-.017139	-.033178
#3	-.001841	-.004704	.0065945	.008618	-.007101	-.033577

Elem	Sr4077
Units	ppm
Avg	.0015146
Stddev	.0002566
%RSD	16.93930
#1	.0015528
#2	.0012410
#3	.0017498

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5313.585	89857.86	10614.40	4036.151	6027.103
Stddev	12.727	282.64	33.08	1.386	4.823
%RSD	.2395170	.3145421	.3116462	.0343395	.0800176
#1	5306.208	90067.82	10619.25	4036.932	6021.581
#2	5306.266	89536.50	10644.78	4034.550	6029.241
#3	5328.281	89969.27	10579.16	4036.970	6030.487

Sample Name: ICSAB01 Acquired: 8/12/2025 12:06:35 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.1090847	.0983850	.0395286	.0531742	.5844614	241.5910
Stddev	.0015615	.0019580	.0005491	.0042641	.0027579	.2623
%RSD	1.431442	1.990117	1.389059	8.019158	.4718619	.1085881

#1	.1100289	.0967887	.0389067	.0578733	.5815638	241.5265
#2	.1099427	.1005697	.0397327	.0495512	.5870542	241.8796
#3	.1072823	.0977966	.0399465	.0520983	.5847663	241.3669

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4830438	.4741050	.9569510	231.3148	.5468248	.4840120
Stddev	.0034187	.0014231	.0008559	.4896	.0005576	.0011755
%RSD	.7077334	.3001602	.0894452	.2116382	.1019653	.2428546

#1	.4791161	.4737495	.9576871	231.1189	.5462707	.4852986
#2	.4846661	.4756722	.9571541	231.8719	.5468179	.4829943
#3	.4853493	.4728934	.9560118	230.9534	.5473858	.4837430

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4746131	100.0523	.4832499	243.3568	.9657290	.2120794
Stddev	.0006049	.3793	.0018397	.6479	.0004855	.0006472
%RSD	.1274462	.3790862	.3806993	.2662442	.0502737	.3051817

#1	.4753100	99.6333	.4811766	243.2961	.9659389	.2127907
#2	.4743044	100.1512	.4838859	244.0329	.9660742	.2115251
#3	.4742248	100.3723	.4846873	242.7413	.9651739	.2119224

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.077652	.4725124	1.014556	-.166988	.9284402	1.001915
Stddev	.010376	.0018524	.002788	.044306	.0019575	.001889
%RSD	13.36269	.3920302	.2747670	26.53259	.2108380	.1885817

#1	-.087288	.4707656	1.011427	-.139470	.9271006	.999980
#2	-.079002	.4744549	1.015465	-.218098	.9306867	1.003755
#3	-.066667	.4723168	1.016775	-.143395	.9275334	1.002010

Sample Name: ICSAB01 Acquired: 8/12/2025 12:06:35 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.9764531	.9776462	1.007668	F .0049531	F -.007929	F -.036788
Stddev	.0018652	.0048130	.010039	.0016260	.001247	.001098
%RSD	.1910177	.4923010	.9962266	32.82832	15.73306	2.984121
#1	.9782878	.9722435	1.008238	.0064186	-.009348	-.035773
#2	.9765124	.9814759	.997356	.0032039	-.007006	-.037953
#3	.9745589	.9792192	1.017409	.0052369	-.007432	-.036637

Elem	Sr4077
Units	ppm
Avg	F .0016029
Stddev	.0001293
%RSD	8.066797
#1	.0014911
#2	.0017445
#3	.0015731

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5363.394	90710.37	10730.79	4077.090	6082.877
Stddev	18.407	272.30	50.32	2.096	22.822
%RSD	.3431878	.3001900	.4689456	.0513992	.3751907
#1	5342.381	90899.69	10747.47	4077.646	6056.596
#2	5376.665	90398.30	10674.25	4074.772	6097.706
#3	5371.135	90833.12	10770.66	4078.851	6094.329

Sample Name: ICSADLX20 Acquired: 8/12/2025 12:10:37 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSADLX20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021746	-.001796	-.000286	-.001015	-.002051	11.66892	-.005347
Stddev	.0011133	.000573	.000820	.001962	.000933	.01041	.000763
%RSD	51.19366	31.91959	286.7326	193.2395	45.49033	.0892163	14.26119

#1	.0029986	-.002451	-.001077	-.002124	-.002299	11.67002	-.006048
#2	.0009081	-.001385	-.000340	-.002172	-.001019	11.67873	-.005459
#3	.0026172	-.001551	.000559	.001250	-.002835	11.65800	-.004535

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001294	-.000140	11.64140	.0028622	-.000201	.0002131	4.700853
Stddev	.0000974	.000039	.01637	.0003480	.000157	.0004456	.010853
%RSD	75.30130	28.07739	.1405971	12.15736	78.03969	209.1482	.2308634

#1	.0000193	-.000095	11.65904	.0026475	-.000222	.0006321	4.703710
#2	.0001644	-.000166	11.62670	.0032637	-.000035	-.000255	4.688858
#3	.0002046	-.000160	11.63847	.0026754	-.000346	.000262	4.709991

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001121	12.04613	.0000321	.0002737	-.203686	.0017655	.0001566
Stddev	.0003784	.03064	.0001216	.0001550	.011404	.0026360	.0001790
%RSD	337.4537	.2543725	379.1531	56.62747	5.598837	149.3099	114.2884

#1	.0003709	12.01752	.0001219	.0001752	-.216849	.0000525	.0000779
#2	-.000322	12.04239	-.000106	.0004524	-.197413	.0004430	.0000305
#3	.000288	12.07847	.000081	.0001935	-.196795	.0048009	.0003615

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.296219	-.002863	-.000261	-.000906	-.001435	.0089753	-.004402
Stddev	.027917	.000801	.000114	.000580	.000881	.0104172	.002183
%RSD	9.424323	27.98654	43.60822	64.03956	61.34912	116.0654	49.59040

#1	-.263989	-.002850	-.000175	-.000924	-.000482	.0171083	-.006921
#2	-.312863	-.002068	-.000390	-.000317	-.002217	.0125838	-.003057
#3	-.311804	-.003670	-.000217	-.001477	-.001607	-.002766	-.003229

Sample Name: ICSADLX20 Acquired: 8/12/2025 12:10:37 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSADLX20 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.005734	-.012342	.0000212
Stddev	.001434	.001134	.0000780
%RSD	25.01460	9.186467	368.1899
#1	-.007360	-.013647	.0000014
#2	-.005199	-.011607	.0001071
#3	-.004645	-.011770	-.000045

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5829.845	100200.4	10901.81	4424.586	7177.804
Stddev	12.224	103.0	26.67	2.658	12.278
%RSD	.2096822	.1027879	.2445971	.0600800	.1710590
#1	5821.164	100265.0	10899.56	4426.094	7175.927
#2	5843.824	100081.6	10929.54	4426.148	7190.912
#3	5824.545	100254.5	10876.35	4421.517	7166.571

Sample Name: ICSABDLX20 Acquired: 8/12/2025 12:15:56 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSABDLX20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055000	.0044653	.0008700	.0005802	.0293008	11.70811	.0179217
Stddev	.0009991	.0010146	.0004402	.0012193	.0013840	.02332	.0008104
%RSD	18.16451	22.72262	50.60032	210.1500	4.723276	.1991737	4.522088

#1	.0043494	.0037713	.0013373	-.000827	.0279388	11.69300	.0176992
#2	.0060035	.0039949	.0004630	.001234	.0307057	11.69636	.0172457
#3	.0061471	.0056298	.0008098	.001333	.0292577	11.73497	.0188201

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0238306	.0471964	11.67526	.0276504	.0238430	.0254765	4.788116
Stddev	.0000706	.0001182	.00761	.0003958	.0001189	.0003139	.022869
%RSD	.2961128	.2503557	.0651567	1.431409	.4987298	1.232083	.4776149

#1	.0238061	.0473323	11.67211	.0279213	.0237429	.0257606	4.814491
#2	.0239101	.0471181	11.68394	.0278337	.0238115	.0251395	4.773812
#3	.0237755	.0471387	11.66974	.0271961	.0239744	.0255293	4.776045

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0240072	12.09538	.0480814	.0098913	-.199108	.0275794	.0487459
Stddev	.0001461	.05832	.0000198	.0003195	.002203	.0019820	.0000062
%RSD	.6084414	.4821379	.0411951	3.230635	1.106258	7.186649	.0127175

#1	.0238604	12.09192	.0480728	.0095736	-.201293	.0260056	.0487520
#2	.0241526	12.03887	.0480674	.0102127	-.196888	.0269273	.0487397
#3	.0240085	12.15535	.0481041	.0098876	-.199144	.0298053	.0487461

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.306907	.0476166	.0532716	.0497163	.0513153	.0497536	-.002962
Stddev	.032137	.0000920	.0001686	.0008659	.0001517	.0056520	.001351
%RSD	10.47134	.1932088	.3165743	1.741614	.2955789	11.36002	45.62244

#1	-.338265	.0475808	.0531724	.0487223	.0512037	.0553447	-.001415
#2	-.274043	.0475478	.0531761	.0503065	.0514880	.0440425	-.003910
#3	-.308413	.0477211	.0534663	.0501201	.0512541	.0498735	-.003561

Sample Name: ICSABDLX20 Acquired: 8/12/2025 12:15:56 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSABDLX20 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.005525	-.011946	-.000075
Stddev	.004046	.000549	.000094
%RSD	73.22703	4.597991	125.6749

#1	-.002390	-.011462	-.000041
#2	-.004092	-.011831	-.000182
#3	-.010092	-.012543	-.000003

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5646.445	98678.43	10904.98	4407.545	6853.703
Stddev	8.628	229.90	5.34	6.894	11.237
%RSD	.1528088	.2329793	.0489309	.1564033	.1639576

#1	5639.126	98415.20	10910.77	4414.574	6842.342
#2	5655.959	98839.82	10900.26	4407.266	6864.812
#3	5644.252	98780.28	10903.90	4400.796	6853.955

Sample Name: CCV01 Acquired: 8/12/2025 12:50:17 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.906553	4.871375	4.877670	4.909299	4.965966	9.602721
Stddev	.011648	.070240	.003321	.011501	.015022	.012917
%RSD	.2373900	1.441898	.0680770	.2342617	.3025036	.1345188

#1	4.899223	4.855386	4.877046	4.896194	4.954572	9.608797
#2	4.900452	4.948232	4.874706	4.913987	4.960334	9.587886
#3	4.919984	4.810508	4.881259	4.917714	4.982990	9.611480

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.907807	.2485139	2.376740	24.09568	.9677748	2.393085
Stddev	.059347	.0002441	.001417	.02613	.0042539	.003192
%RSD	.5989930	.0982101	.0596101	.1084305	.4395575	.1333683

#1	9.925488	.2484056	2.375110	24.07043	.9721681	2.390848
#2	9.841628	.2487933	2.377427	24.09401	.9674807	2.391666
#3	9.956303	.2483426	2.377682	24.12260	.9636755	2.396739

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.220972	5.031066	2.423091	24.07977	2.396933	1.225223
Stddev	.000962	.014883	.004368	.06631	.002290	.003172
%RSD	.0787627	.2958300	.1802603	.2753946	.0955428	.2588839

#1	1.220475	5.042299	2.424224	24.01003	2.395921	1.228720
#2	1.220361	5.036715	2.418268	24.08726	2.395322	1.224416
#3	1.222080	5.014186	2.426781	24.14203	2.399554	1.222533

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.04165	2.440809	2.479055	25.04640	F 4.687309	4.933916
Stddev	.13186	.006555	.010756	.13807	.007760	.009268
%RSD	.5265430	.2685749	.4338787	.5512602	.1655636	.1878489

#1	25.18780	2.434117	2.484682	25.20202	4.689564	4.924895
#2	25.00552	2.441090	2.485829	24.99857	4.678671	4.933441
#3	24.93163	2.447219	2.466652	24.93860	4.693692	4.943413

Sample Name: CCV01 Acquired: 8/12/2025 12:50:17 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.729603	4.878200	4.994744	F 4.652834	F 4.662466	4.844167
Stddev	.005788	.006658	.012465	.007515	.007757	.008540
%RSD	.1223847	.1364862	.2495694	.1615220	.1663819	.1763033
#1	4.728131	4.885216	4.997143	4.646644	4.656652	4.854028
#2	4.724692	4.871969	4.981254	4.650661	4.659471	4.839305
#3	4.735985	4.877414	5.005836	4.661196	4.671274	4.839167

Elem	Sr4077
Units	ppm
Avg	4.953281
Stddev	.061034
%RSD	1.232193
#1	4.954489
#2	5.013702
#3	4.891652

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5791.897	99710.98	11243.24	4356.789	6854.946
Stddev	7.179	315.70	1.81	30.529	8.857
%RSD	.1239418	.3166180	.0160885	.7007203	.1292015
#1	5795.207	99356.63	11243.53	4346.903	6856.462
#2	5783.660	99814.05	11244.89	4332.428	6845.429
#3	5796.823	99962.27	11241.31	4391.036	6862.946

Sample Name: CCB01 Acquired: 8/12/2025 12:54:27 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0018767	-.002375	-.000568	.0012629	-.001155	.0131971	-.008752
Stddev	.0010006	.001157	.001380	.0027248	.001918	.0047461	.000618
%RSD	53.31438	48.72009	243.0720	215.7572	166.1080	35.96329	7.060506

#1	.0027423	-.001060	-.000954	.0011154	.000295	.0081907	-.008100
#2	.0007812	-.003237	.000964	-.001385	-.003329	.0137695	-.008827
#3	.0021066	-.002828	-.001713	.004058	-.000430	.0176310	-.009329

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000053	.0001854	.0055206	.0001626	.0002038	-.000521	.0118996
Stddev	.000027	.0000300	.0052120	.0004288	.0000810	.000202	.0039378
%RSD	51.46549	16.16982	94.40998	263.7212	39.72845	38.67023	33.09185

#1	-.000057	.0001616	-.000097	.0001630	.0002922	-.000527	.0073708
#2	-.000077	.0001756	.006460	-.000266	.0001333	-.000317	.0138125
#3	-.000024	.0002191	.010199	.000591	.0001858	-.000720	.0145156

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002496	.0021355	.0007106	.0004734	-.163122	.0025249	.0037921
Stddev	.0002843	.0299128	.0003620	.0005393	.009205	.0011000	.0001350
%RSD	113.9333	1400.739	50.94356	113.9101	5.643103	43.56648	3.560471

#1	.0004852	-.031092	.0004944	-.000014	-.169684	.0035466	.0036370
#2	-.000066	.026918	.0005089	.000382	-.167082	.0013605	.0038559
#3	.000330	.010581	.0011285	.001053	-.152599	.0026675	.0038833

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.162077	.0034050	.0006580	.0013292	-.001259	-.002690	.0037100
Stddev	.029322	.0010830	.0002191	.0002659	.001447	.001809	.0019370
%RSD	18.09109	31.80599	33.29594	20.00646	114.9385	67.25532	52.21020

#1	-.195090	.0039425	.0008692	.0010237	-.000360	-.000811	.0014735
#2	-.139061	.0021584	.0004318	.0015086	-.000489	-.004419	.0048520
#3	-.152081	.0041141	.0006731	.0014554	-.002928	-.002839	.0048044

Sample Name: CCB01 Acquired: 8/12/2025 12:54:27 Type: Unk
Method: 6010-200.7 NEW(v94) 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	-.003754	-.007562	.0004087
Stddev	.000747	.001307	.0000743
%RSD	19.89714	17.28174	18.16756

#1	-.003572	-.008051	.0004027
#2	-.003115	-.008555	.0004857
#3	-.004576	-.006082	.0003376

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5984.874	104385.5	11648.26	4529.377	7636.064
Stddev	11.849	246.2	22.38	27.032	11.829
%RSD	.1979818	.2358654	.1921411	.5968256	.1549092

#1	5983.504	104101.9	11666.17	4504.172	7640.087
#2	5997.349	104511.0	11655.46	4526.033	7645.358
#3	5973.770	104543.8	11623.17	4557.926	7622.749

Sample Name: PB169195BL Acquired: 8/12/2025 12:58:46 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0021458	-.002046	.0003882	-.000408	-.002060	-.012703
Stddev	.0011201	.000955	.0018155	.000520	.000518	.003972
%RSD	52.19944	46.68768	467.6640	127.6213	25.12708	31.26950

#1	.0024092	-.000953	.0010090	-.000121	-.002585	-.017261
#2	.0009175	-.002466	-.001656	-.000094	-.001550	-.009982
#3	.0031107	-.002719	.001812	-.001008	-.002044	-.010866

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008579	-.000023	-.000111	-.023111	-.000072	-.000002
Stddev	.001112	.000046	.000020	.006025	.000199	.000123
%RSD	12.96059	201.0706	17.84092	26.07085	277.5846	6250.678

#1	-.007657	.000028	-.000096	-.024763	-.000011	-.000101
#2	-.009814	-.000061	-.000133	-.028138	-.000293	-.000041
#3	-.008265	-.000036	-.000103	-.016432	.000090	.000136

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000207	-.002556	-.000410	-.002391	-.000024	.0001139
Stddev	.000129	.002539	.000221	.015951	.000167	.0003134
%RSD	62.10589	99.33756	53.84080	667.2049	706.8831	275.1136

#1	-.000102	-.003926	-.000161	.008244	.000148	.0001433
#2	-.000351	.000374	-.000488	-.020732	-.000034	-.000213
#3	-.000169	-.004115	-.000581	.005316	-.000184	.000412

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.201166	.0026737	-.000243	-.227760	.0007610	-.000055
Stddev	.012016	.0012554	.000081	.019380	.0002295	.000222
%RSD	5.973191	46.95294	33.15274	8.508971	30.15395	400.9771

#1	-.206223	.0034199	-.000307	-.230688	.0006745	.000160
#2	-.209827	.0012243	-.000270	-.245510	.0010212	-.000284
#3	-.187448	.0033768	-.000153	-.207083	.0005874	-.000042

Sample Name: PB169195BL Acquired: 8/12/2025 12:58:46 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0008160	-.000185	.0075098	.0004973	-.006715	F -.010372
Stddev	.0002480	.001661	.0087132	.0018112	.002679	.000869
%RSD	30.39006	895.8689	116.0243	364.1890	39.89693	8.382776

#1	.0010227	-.001387	-.002539	.0021440	-.004486	-.009589
#2	.0008843	-.000880	.012099	-.001443	-.009687	-.011308
#3	.0005410	.001710	.012969	.000790	-.005972	-.010219

Elem	Sr4077
Units	ppm
Avg	-.000029
Stddev	.000114
%RSD	387.3744

#1	-.000073
#2	-.000114
#3	.000100

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5851.033	103911.1	11398.40	4517.063	7344.374
Stddev	14.305	164.9	45.91	15.300	6.818
%RSD	.2444880	.1587072	.4028071	.3387089	.0928307

#1	5834.715	104101.5	11442.23	4515.725	7346.906
#2	5856.968	103813.4	11402.31	4502.475	7336.653
#3	5861.414	103818.3	11350.65	4532.987	7349.563

Sample Name: PB169195BS Acquired: 8/12/2025 13:08:08 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.7669750	1.914764	.9256132	1.918993	.7997950	1.925329
Stddev	.0012076	.057827	.0009592	.008533	.0020073	.006368
%RSD	.1574447	3.020056	.1036310	.4446839	.2509727	.3307623
#1	.7683264	1.969261	.9251485	1.928605	.8015867	1.932638
#2	.7660016	1.920930	.9267163	1.916065	.7976258	1.920970
#3	.7665972	1.854102	.9249748	1.912310	.8001724	1.922380
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1858406	.1874033	.1850536	.9716101	.3941080	.1908159
Stddev	.0011980	.0011173	.0001568	.0045707	.0007663	.0001103
%RSD	.6446233	.5962145	.0847338	.4704234	.1944397	.0578028
#1	.1861148	.1863466	.1852293	.9736856	.3949102	.1909243
#2	.1845293	.1872907	.1850038	.9663699	.3933836	.1907038
#3	.1868776	.1885727	.1849278	.9747747	.3940302	.1908197
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3024233	3.020938	.1980313	1.921564	.4801274	.0736960
Stddev	.0000604	.009600	.0010914	.010708	.0004793	.0003492
%RSD	.0199655	.3177825	.5511154	.5572370	.0998196	.4737677
#1	.3023640	3.029499	.1973827	1.913902	.4806563	.0739601
#2	.3024847	3.010559	.1974198	1.916991	.4797219	.0733001
#3	.3024213	3.022757	.1992913	1.933799	.4800041	.0738277
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.652160	.2960020	.1996721	9.469999	.2738722	.4028619
Stddev	.023347	.0017420	.0008825	.055669	.0013063	.0007813
%RSD	.8803201	.5885154	.4419914	.5878427	.4769905	.1939254
#1	2.679099	.2946605	.2004873	9.527817	.2724479	.4037488
#2	2.639594	.2953747	.1997941	9.465415	.2741542	.4025614
#3	2.637786	.2979708	.1987350	9.416764	.2750145	.4022755

Sample Name: PB169195BS Acquired: 8/12/2025 13:08:08 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.6553288	.1913021	.9040972	5.332361	F -.007283	.1900461
Stddev	.0022587	.0014411	.0052390	.005455	.001223	.0017978
%RSD	.3446629	.7533195	.5794683	.1022905	16.78615	.9459747

#1	.6575958	.1910099	.9072652	5.335177	-.008667	.1909718
#2	.6530786	.1900294	.9069762	5.335832	-.006834	.1879741
#3	.6553119	.1928669	.8980500	5.326074	-.006350	.1911924

Elem	Sr4077
Units	ppm
Avg	.1939902
Stddev	.0004513
%RSD	.2326631

#1	.1944354
#2	.1935330
#3	.1940021

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5882.449	102237.3	11346.72	4489.920	7287.293
Stddev	4.836	220.7	57.86	9.791	10.479
%RSD	.0822031	.2158902	.5099311	.2180591	.1437954

#1	5878.226	102002.1	11401.91	4499.244	7277.308
#2	5887.724	102269.7	11351.73	4490.796	7298.204
#3	5881.398	102440.0	11286.51	4479.721	7286.368

Sample Name: Q2785-01 Acquired: 8/12/2025 13:20:14 Type: Unk
Method: 6010-200.7 NEW(v94) 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	-.001305	.0005397	.0535959	-.001572	-.001711	.1681609	.0932779
Stddev	.001093	.0010460	.0044099	.000756	.002077	.0033824	.0000255
%RSD	83.74757	193.7878	8.228139	48.11622	121.3774	2.011380	.0272991

#1	-.001117	-.000582	.0583342	-.000796	-.002320	.1681713	.0932498
#2	-.002479	.001488	.0528417	-.001614	.000602	.1715380	.0932995
#3	-.000318	.000713	.0496116	-.002306	-.003417	.1647733	.0932845

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000035	.0015355	57.12798	.0001717	-.000207	.0135008	.0695367
Stddev	.000006	.0000497	.16253	.0001229	.000088	.0002127	.0103098
%RSD	16.96932	3.233253	.2845100	71.55299	42.43627	1.575450	14.82640

#1	-.000030	.0015685	56.94069	.0002497	-.000128	.0137416	.0605085
#2	-.000033	.0014784	57.21111	.0000301	-.000301	.0134221	.0673307
#3	-.000042	.0015596	57.23214	.0002353	-.000190	.0133387	.0807710

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0254670	11.75762	.0049520	.0002335	115.6825	.0041041	.8817358
Stddev	.0002964	.04992	.0002771	.0000727	.4336	.0013230	.0034666
%RSD	1.163786	.4245551	5.595020	31.12298	.3748285	32.23700	.3931553

#1	.0253210	11.70394	.0046820	.0002386	116.1755	.0053381	.8850432
#2	.0252720	11.76628	.0052357	.0003034	115.5113	.0042670	.8820348
#3	.0258081	11.80265	.0049384	.0001584	115.3606	.0027071	.8781294

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.476291	.0640707	.0008241	-.000170	-.002954	4.286106	1.706983
Stddev	.056235	.0006019	.0001736	.000532	.000820	.026939	.000738
%RSD	1.617684	.9393451	21.06775	312.4210	27.74714	.6285236	.0432401

#1	3.541134	.0634835	.0008050	.000415	-.003839	4.304038	1.706182
#2	3.440875	.0646862	.0010066	-.000302	-.002802	4.299154	1.707637
#3	3.446865	.0640425	.0006609	-.000623	-.002221	4.255128	1.707129

Sample Name: Q2785-01 Acquired: 8/12/2025 13:20:14 Type: Unk
Method: 6010-200.7 NEW(v94) 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	7.375377	-.025198	.2177040
Stddev	.010392	.000802	.0003454
%RSD	.1409040	3.180744	.1586482

#1	7.382990	-.025922	.2178613
#2	7.379603	-.025336	.2173080
#3	7.363537	-.024337	.2179428

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5612.111	98616.95	11381.15	4303.963	6713.044
Stddev	6.709	209.39	46.53	15.066	9.071
%RSD	.1195377	.2123252	.4088151	.3500408	.1351230

#1	5607.328	98507.66	11429.83	4291.059	6709.959
#2	5619.779	98484.81	11376.50	4320.519	6723.255
#3	5609.226	98858.37	11337.12	4300.313	6705.918

Sample Name: Q2789-02 Acquired: 8/12/2025 13:24:28 Type: Unk
Method: 6010-200.7 NEW(v94) 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	-.002660	-.001195	.0318128	.0067330	.0204475	1.888878
Stddev	.001750	.002772	.0013971	.0040790	.0007936	.008368
%RSD	65.78527	231.9732	4.391640	60.58326	3.881274	.4430140

#1	-.002924	.001779	.0305234	.0058831	.0212946	1.882335
#2	-.000793	-.001657	.0332971	.0111700	.0197212	1.885993
#3	-.004263	-.003707	.0316179	.0031458	.0203268	1.898307

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1123566	.0001137	.0015607	47.25737	.0192148	.0048724
Stddev	.0011236	.0000811	.0000866	.12243	.0004834	.0001446
%RSD	1.000068	71.33360	5.547420	.2590713	2.515717	2.968817

#1	.1132588	.0000259	.0014730	47.33849	.0197565	.0047852
#2	.1127129	.0001858	.0016461	47.11654	.0190608	.0047926
#3	.1110980	.0001293	.0015632	47.31707	.0188273	.0050394

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1012192	15.15608	.2436629	11.00660	.0543393	.0025004
Stddev	.0005330	.28949	.0009480	.03016	.0004840	.0004632
%RSD	.5265296	1.910075	.3890810	.2739728	.8906660	18.52514

#1	.1016393	15.48994	.2443327	10.97443	.0546640	.0025988
#2	.1006197	15.00371	.2425781	11.03423	.0537831	.0019959
#3	.1013986	14.97460	.2440779	11.01114	.0545709	.0029064

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	656.6752	.0058164	.8323641	29.14364	.1693976	.0101426
Stddev	19.0996	.0005776	.0235867	.58451	.0014566	.0001863
%RSD	2.908535	9.930353	2.833702	2.005627	.8598552	1.837142

#1	678.0821	.0055909	.8595331	29.81658	.1710465	.0099274
#2	641.3778	.0064727	.8171314	28.76222	.1682861	.0102481
#3	650.5657	.0053855	.8204278	28.85213	.1688602	.0102522

Sample Name: Q2789-02 Acquired: 8/12/2025 13:24:28 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0088300	.0212436	F 32.92564	6.057565	F 23.71011	.0465459
Stddev	.0008593	.0003815	.60028	.018575	.16554	.0021929
%RSD	9.731808	1.795877	1.823140	.3066364	.6981795	4.711333
#1	.0097519	.0216683	33.61878	6.068913	23.89568	.0490630
#2	.0086869	.0211328	32.58021	6.036129	23.57760	.0450484
#3	.0080513	.0209299	32.57793	6.067652	23.65706	.0455263

Elem	Sr4077
Units	ppm
Avg	.3179394
Stddev	.0013879
%RSD	.4365256
#1	.3177631
#2	.3166480
#3	.3194070

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5202.282	88708.26	11025.27	3875.871	6101.523
Stddev	17.171	1997.83	50.33	87.497	18.279
%RSD	.3300737	2.252136	.4565373	2.257475	.2995877
#1	5187.292	86406.33	10973.73	3774.854	6081.855
#2	5221.017	89728.13	11074.31	3927.911	6117.991
#3	5198.538	89990.31	11027.78	3924.848	6104.724

Sample Name: Q2799-01 Acquired: 8/12/2025 13:28:44 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0032504	.0755939	-.001283	.0034007	.0029179	.2534326
Stddev	.0013495	.0052292	.000410	.0010046	.0012772	.0033820
%RSD	41.51659	6.917534	31.94396	29.53997	43.77217	1.334476

#1	.0033629	.0801970	-.001659	.0042805	.0030758	.2521751
#2	.0018482	.0766765	-.001344	.0023061	.0015691	.2572632
#3	.0045401	.0699081	-.000846	.0036153	.0041089	.2508595

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1336037	-.000229	.0222938	23.49125	.0058278	.0089164
Stddev	.0007058	.000058	.0000952	.04609	.0001737	.0001356
%RSD	.5282643	25.40406	.4269583	.1962083	2.980772	1.520898

#1	.1336061	-.000177	.0223936	23.49741	.0060249	.0088335
#2	.1343083	-.000217	.0222040	23.44239	.0056968	.0088428
#3	.1328968	-.000292	.0222837	23.53396	.0057618	.0090729

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1604562	.4505557	.0690378	.7147973	.0285820	.0224208
Stddev	.0003442	.0089483	.0003864	.0324763	.0000910	.0002336
%RSD	.2145008	1.986068	.5596717	4.543425	.3184800	1.041905

#1	.1600671	.4432137	.0694811	.7033967	.0284961	.0226355
#2	.1605805	.4605230	.0687727	.7514367	.0286774	.0224548
#3	.1607209	.4479304	.0688594	.6895584	.0285724	.0221720

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	129.5457	.0013010	4.911723	87.06525	.0337074	.0240048
Stddev	1.1187	.0033133	.015110	.61637	.0003741	.0000628
%RSD	.8635640	254.6664	.3076341	.7079384	1.109944	.2617091

#1	128.8969	.0033891	4.908634	86.71891	.0332758	.0239753
#2	130.8375	.0030333	4.928139	87.77689	.0339060	.0239621
#3	128.9027	-.002519	4.898396	86.69995	.0339403	.0240769

Sample Name: Q2799-01 Acquired: 8/12/2025 13:28:44 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0017310	-.001618	1.464444	.2911737	F 47.85605	-.019720
Stddev	.0002341	.000527	.015251	.0010040	.51979	.000184
%RSD	13.52353	32.59382	1.041399	.3448120	1.086156	.9329331
#1	.0014614	-.002157	1.452527	.2923328	48.41456	-.019922
#2	.0018822	-.001595	1.481631	.2906137	47.76714	-.019677
#3	.0018495	-.001103	1.459173	.2905747	47.38645	-.019562

Elem	Sr4077
Units	ppm
Avg	1.334640
Stddev	.001184
%RSD	.0887414
#1	1.333657
#2	1.335955
#3	1.334308

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5768.207	99768.57	11607.24	4348.227	6977.174
Stddev	9.685	219.98	79.81	22.557	21.856
%RSD	.1678957	.2204903	.6876203	.5187703	.3132503
#1	5757.069	99824.42	11558.77	4342.159	6954.993
#2	5772.903	99526.04	11699.36	4329.325	6977.837
#3	5774.648	99955.24	11563.59	4373.198	6998.690

Sample Name: Q2811-02 Acquired: 8/12/2025 13:32:55 Type: Unk
Method: 6010-200.7 NEW(v94) 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	-.003781	.0000609	.0035244	.0071548	.0018308	.1005486	.0057385
Stddev	.002081	.0021977	.0012659	.0018917	.0005146	.0054678	.0011296
%RSD	55.02421	3605.692	35.91838	26.43910	28.10773	5.437942	19.68415

#1	-.004140	-.002210	.0045771	.0069835	.0024168	.1068341	.0060102
#2	-.001545	.000216	.0021198	.0091264	.0016229	.0968906	.0067073
#3	-.005659	.002177	.0038765	.0053547	.0014527	.0979210	.0044978

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000179	-.000140	24.81086	.0013053	.0001898	.1692337	.4011262
Stddev	.000067	.000069	.05708	.0002310	.0001069	.0003029	.0051056
%RSD	37.65852	49.49665	.2300746	17.69643	56.33010	.1789800	1.272830

#1	-.000107	-.000067	24.84924	.0010639	.0003043	.1695100	.3960962
#2	-.000188	-.000204	24.83808	.0013275	.0000925	.1689099	.4009782
#3	-.000241	-.000148	24.74526	.0015243	.0001727	.1692813	.4063043

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1106741	6.000273	.0023048	.0001641	1067.256	.0016373	.4067200
Stddev	.0008941	.030925	.0003510	.0003168	6.200	.0009019	.0006879
%RSD	.8078278	.5153952	15.23040	193.0622	.5809074	55.08243	.1691266

#1	.1109250	6.008483	.0024262	-.000140	1073.520	.0023498	.4059458
#2	.1114159	6.026264	.0025790	.000140	1061.122	.0006233	.4072608
#3	.1096814	5.966071	.0019092	.000492	1067.125	.0019389	.4069535

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.376782	.0143833	.0008503	-.002112	-.001129	3.561582	4.064726
Stddev	.066721	.0003958	.0001305	.000132	.000497	.015532	.008081
%RSD	1.524434	2.751602	15.34731	6.229270	44.07765	.4360942	.1988073

#1	4.316171	.0146531	.0007044	-.002262	-.000722	3.544261	4.058149
#2	4.365901	.0145677	.0009559	-.002016	-.001683	3.566217	4.073747
#3	4.448275	.0139289	.0008905	-.002058	-.000981	3.574269	4.062283

Sample Name: Q2811-02 Acquired: 8/12/2025 13:32:55 Type: Unk
Method: 6010-200.7 NEW(v94) 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	10.25108	-.020859	.0743958
Stddev	.03258	.001653	.0002956
%RSD	.3177918	7.926445	.3973775

#1	10.28649	-.020654	.0746957
#2	10.22238	-.019318	.0741046
#3	10.24436	-.022606	.0743869

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5147.361	87906.43	11148.23	3897.829	5894.542
Stddev	12.066	226.67	62.95	22.944	11.748
%RSD	.2344174	.2578566	.5646468	.5886273	.1993025

#1	5133.682	88136.82	11103.53	3913.271	5882.114
#2	5156.496	87683.66	11120.96	3871.465	5896.044
#3	5151.904	87898.80	11220.22	3908.752	5905.466

Sample Name: Q2811-02DUP Acquired: 8/12/2025 13:37:17 Type: Unk
Method: 6010-200.7 NEW(v94) 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	-.004761	.0010394	.0024303	.0036257	.0020275	.0991928	.0059212
Stddev	.001589	.0007264	.0005154	.0014768	.0003706	.0081295	.0004878
%RSD	33.36884	69.89071	21.20619	40.73203	18.27735	8.195691	8.238604

#1	-.005765	.0002009	.0025457	.0019252	.0023896	.0901038	.0064545
#2	-.005589	.0014392	.0028782	.0043656	.0020439	.1017043	.0058115
#3	-.002929	.0014781	.0018670	.0045863	.0016490	.1057701	.0054976

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000213	-.000166	24.58251	.0012324	.0003850	.1668497	.3813170
Stddev	.000040	.000081	.03727	.0001158	.0000245	.0014882	.0019965
%RSD	18.73571	49.03496	.1516186	9.398489	6.352123	.8919192	.5235819

#1	-.000192	-.000251	24.61311	.0012169	.0003574	.1654227	.3801822
#2	-.000188	-.000160	24.54100	.0013552	.0004042	.1667340	.3836223
#3	-.000259	-.000088	24.59341	.0011251	.0003932	.1683922	.3801466

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1078605	5.946967	.0016493	-.000101	1027.786	.0014742	.3986217
Stddev	.0009692	.009277	.0003944	.000142	1.817	.0004053	.0010130
%RSD	.8985347	.1559894	23.91197	140.3947	.1767772	27.49252	.2541159

#1	.1067589	5.950573	.0013743	-.000232	1025.875	.0018531	.3996429
#2	.1082408	5.936429	.0014726	.000050	1027.993	.0010469	.3976172
#3	.1085818	5.953900	.0021012	-.000123	1029.491	.0015225	.3986051

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.503933	.0140176	.0009352	-.001912	-.000830	3.494061	3.989331
Stddev	.029029	.0004085	.0001109	.000293	.000886	.008151	.036531
%RSD	.6445245	2.914416	11.86022	15.34357	106.7111	.2332783	.9157186

#1	4.486718	.0137241	.0010603	-.001758	-.000455	3.484836	3.966290
#2	4.487632	.0138445	.0008968	-.001728	-.000194	3.497060	3.970252
#3	4.537448	.0144842	.0008486	-.002251	-.001842	3.500288	4.031452

Sample Name: Q2811-02DUP Acquired: 8/12/2025 13:37:17 Type: Unk
Method: 6010-200.7 NEW(v94) 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	10.02838	-.019938	.0735192
Stddev	.08678	.000766	.0002493
%RSD	.8653435	3.840719	.3391187
#1	9.99708	-.019114	.0736946
#2	9.96159	-.020071	.0732338
#3	10.12647	-.020628	.0736293

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5250.930	90155.00	11339.57	3990.442	6036.510
Stddev	42.664	138.52	17.49	7.082	50.805
%RSD	.8125099	.1536507	.1542391	.1774818	.8416211
#1	5275.110	90047.57	11319.70	3983.399	6064.118
#2	5276.011	90311.34	11352.66	3990.363	6067.533
#3	5201.668	90106.07	11346.33	3997.563	5977.879

Sample Name: Q2811-02LX5 Acquired: 8/12/2025 13:41:38 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0015506	-.000547	.0005932	.0019966	-.001019	.0155435	-.008521
Stddev	.0003719	.000890	.0000321	.0029827	.000936	.0081138	.001559
%RSD	23.98417	162.7023	5.410117	149.3874	91.85609	52.20077	18.29821
#1	.0015736	.000479	.0005964	.0045019	-.000280	.0246207	-.010310
#2	.0019105	-.001110	.0006236	-.001303	-.002072	.0130145	-.007810
#3	.0011678	-.001010	.0005596	.002791	-.000705	.0089954	-.007444
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000048	-.000216	5.327815	.0003217	-.000113	.0347331	.0774754
Stddev	.000026	.000077	.025924	.0000829	.000069	.0004011	.0014828
%RSD	55.33495	35.74856	.4865718	25.77582	60.49343	1.154782	1.913865
#1	-.000054	-.000299	5.354221	.0003334	-.000035	.0351928	.0787353
#2	-.000070	-.000202	5.326820	.0002335	-.000160	.0345515	.0778495
#3	-.000019	-.000147	5.302403	.0003981	-.000145	.0344548	.0758414
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0231336	1.285581	.0001322	.0005234	187.7244	.0009680	.0796242
Stddev	.0003973	.006466	.0001629	.0001597	1.2796	.0011061	.0011227
%RSD	1.717303	.5029423	123.2210	30.50229	.6816441	114.2657	1.409933
#1	.0233186	1.281293	.0001175	.0006807	189.0158	-.000128	.0809162
#2	.0234046	1.293018	-.000023	.0003614	187.7004	.002084	.0790694
#3	.0226775	1.282433	.000302	.0005282	186.4569	.000947	.0788870
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.205295	.0021137	.0001299	-.000491	-.001647	.7063831	.7681532
Stddev	.091810	.0010214	.0001988	.000413	.000679	.0188187	.0144268
%RSD	2.864331	48.32180	153.0834	84.05922	41.24423	2.664098	1.878109
#1	3.290602	.0009549	.0002679	-.000796	-.000929	.7239915	.7828746
#2	3.217149	.0025030	-.000098	-.000655	-.002279	.7086064	.7675446
#3	3.108134	.0028831	.000220	-.000021	-.001733	.6865515	.7540404

Sample Name: Q2811-02LX5 Acquired: 8/12/2025 13:41:38 Type: Unk
Method: 6010-200.7 NEW(v94) 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	2.027694	.1158178	.0155337
Stddev	.033627	.0072933	.0000576
%RSD	1.658390	6.297247	.3705273

#1	2.062505	.1235341	.0155834
#2	2.025186	.1148814	.0155472
#3	1.995392	.1090379	.0154707

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5599.726	97284.43	11580.66	4302.751	6600.953
Stddev	6.895	92.95	37.89	17.141	12.856
%RSD	.1231275	.0955484	.3272255	.3983733	.1947565

#1	5596.585	97180.00	11624.41	4283.323	6587.319
#2	5607.633	97358.11	11558.38	4309.186	6612.855
#3	5594.962	97315.19	11559.18	4315.743	6602.684

Sample Name: Q2811-02MS Acquired: 8/12/2025 13:46:04 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.7982406	1.518722	.8608728	1.997547	.8028827	1.952780	.1917740
Stddev	.0036989	.050009	.0020594	.007741	.0009044	.005156	.0012538
%RSD	.4633777	3.292829	.2392273	.3875252	.1126411	.2640442	.6538059

#1	.7941570	1.473432	.8612056	1.999334	.8033379	1.946828	.1907619
#2	.7991983	1.510342	.8586672	1.989069	.8034691	1.955888	.1931766
#3	.8013664	1.572391	.8627456	2.004238	.8018412	1.955624	.1913834

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1671539	.1874999	25.92351	.3871740	.1895055	.4454424	3.637619
Stddev	.0006073	.0004454	.05905	.0014916	.0006951	.0005701	.007958
%RSD	.3632959	.2375352	.2277664	.3852610	.3667734	.1279935	.2187669

#1	.1664799	.1873079	25.86648	.3875342	.1890651	.4451553	3.643528
#2	.1676584	.1871828	25.98438	.3855352	.1891446	.4450728	3.628570
#3	.1673233	.1880091	25.91965	.3884525	.1903067	.4460990	3.640760

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2946212	7.788481	.4743741	.0622701	1060.594	.2860438	.6052592
Stddev	.0004873	.060977	.0009822	.0001427	6.112	.0003947	.0012436
%RSD	.1654059	.7829092	.2070448	.2292240	.5762618	.1379928	.2054584

#1	.2947152	7.718815	.4736781	.0621357	1062.376	.2862698	.6055235
#2	.2950546	7.814477	.4739467	.0624199	1053.789	.2855880	.6063493
#3	.2940937	7.832152	.4754976	.0622548	1065.617	.2862736	.6039047

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.72162	.2325379	.4062470	.6444672	.1867896	4.538042	9.859531
Stddev	.11180	.0018977	.0007746	.0023812	.0002137	.022725	.049203
%RSD	.6685912	.8160594	.1906709	.3694770	.1144033	.5007736	.4990392

#1	16.83178	.2306102	.4054142	.6427641	.1866802	4.549503	9.810675
#2	16.60825	.2344040	.4063810	.6434493	.1870358	4.511868	9.858844
#3	16.72484	.2325995	.4069459	.6471881	.1866527	4.552755	9.909073

Sample Name: Q2811-02MS Acquired: 8/12/2025 13:46:04 Type: Unk
Method: 6010-200.7 NEW(v94) 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	10.32888	.1921486	.2579426
Stddev	.04495	.0017297	.0003200
%RSD	.4352301	.9002051	.1240486

#1	10.28412	.1941271	.2576489
#2	10.32848	.1913960	.2582836
#3	10.37403	.1909226	.2578954

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5101.268	88719.36	11279.26	3906.635	5850.339
Stddev	8.256	335.00	26.84	25.580	4.047
%RSD	.1618412	.3775977	.2379237	.6547850	.0691682

#1	5091.872	88401.88	11308.78	3877.434	5846.116
#2	5104.572	89069.49	11256.34	3925.085	5854.182
#3	5107.361	88686.71	11272.65	3917.386	5850.720

Sample Name: Q2811-02MSD Acquired: 8/12/2025 13:50:09 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.8767252	1.849062	.9308926	2.202442	.8634131	2.074836	.2026288
Stddev	.0016319	.032021	.0017756	.005960	.0042091	.006016	.0007321
%RSD	.1861355	1.731728	.1907414	.2706194	.4874967	.2899558	.3613135

#1	.8776508	1.873577	.9328267	2.203434	.8618161	2.080330	.2017970
#2	.8748409	1.812834	.9293363	2.196048	.8602363	2.075770	.2031755
#3	.8776839	1.860776	.9305147	2.207844	.8681870	2.068407	.2029138

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1769269	.2002086	28.61260	.4050286	.2023514	.4860881	3.937844
Stddev	.0010215	.0003361	.08352	.0018195	.0004622	.0011648	.020090
%RSD	.5773551	.1678611	.2918916	.4492213	.2284401	.2396234	.5101834

#1	.1761602	.2005459	28.63223	.4071253	.2027219	.4858834	3.959451
#2	.1780865	.1998738	28.68455	.4040965	.2018334	.4850392	3.934352
#3	.1765339	.2002061	28.52101	.4038641	.2024990	.4873416	3.919728

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3142323	8.514677	.5054772	.0697109	1168.086	.3024289	.6832190
Stddev	.0017669	.027851	.0012005	.0034443	9.211	.0043388	.0018867
%RSD	.5622802	.3270954	.2375029	4.940871	.7885781	1.434638	.2761487

#1	.3131518	8.485720	.5065551	.0677050	1167.692	.3039893	.6815634
#2	.3162713	8.541271	.5041833	.0736880	1177.488	.3057716	.6852732
#3	.3132740	8.517040	.5056931	.0677396	1159.078	.2975257	.6828205

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.05816	.2499706	.4278872	.6859638	.1956025	5.135082	10.36990
Stddev	.04548	.0008656	.0016841	.0036313	.0018351	.031745	.06397
%RSD	.2386164	.3462704	.3935951	.5293755	.9382001	.6181954	.6168365

#1	19.10923	.2493335	.4262341	.6881890	.1958851	5.171541	10.44327
#2	19.02203	.2509560	.4278267	.6817734	.1972800	5.113569	10.34051
#3	19.04324	.2496221	.4296007	.6879291	.1936425	5.120134	10.32590

Sample Name: Q2811-02MSD Acquired: 8/12/2025 13:50:09 Type: Unk
Method: 6010-200.7 NEW(v94) 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	12.39050	.2025940	.2760679
Stddev	.03350	.0006673	.0011109
%RSD	.2703997	.3293597	.4023845
#1	12.42591	.2019118	.2757911
#2	12.35929	.2032452	.2772909
#3	12.38630	.2026249	.2751216

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5168.969	90056.78	11783.41	3952.740	5860.840
Stddev	17.586	384.96	45.24	5.383	13.916
%RSD	.3402162	.4274621	.3839521	.1361716	.2374475
#1	5180.462	89612.43	11817.23	3958.822	5860.023
#2	5177.720	90268.62	11732.02	3948.589	5875.146
#3	5148.724	90289.30	11801.00	3950.809	5847.350

Sample Name: CCV02 Acquired: 8/12/2025 14:27:26 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.161473	5.284371	4.880047	5.250256	5.219454	9.870675	9.875962
Stddev	.009983	.040416	.010221	.009445	.005658	.056858	.039873
%RSD	.1934092	.7648295	.2094537	.1798896	.1083925	.5760295	.4037356

#1	5.156306	5.253450	4.870735	5.247714	5.218913	9.933533	9.900624
#2	5.155132	5.269560	4.878422	5.242343	5.214087	9.855659	9.829961
#3	5.172980	5.330104	4.890983	5.260712	5.225363	9.822832	9.897302

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2286143	2.458396	24.26391	1.000085	2.473701	1.269151	5.303436
Stddev	.0019421	.005150	.12746	.000415	.004572	.002252	.018347
%RSD	.8495178	.2094917	.5252950	.0414554	.1848131	.1774386	.3459467

#1	.2308119	2.453553	24.40757	1.000427	2.470355	1.268103	5.282858
#2	.2271286	2.457828	24.16440	.999624	2.471838	1.267613	5.318087
#3	.2279023	2.463807	24.21976	1.000203	2.478910	1.271736	5.309362

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.435419	23.95771	2.479451	1.261067	24.67473	2.487489	2.557640
Stddev	.013307	.11201	.004148	.001646	.03709	.013934	.005383
%RSD	.5463877	.4675524	.1673052	.1305194	.1503248	.5601630	.2104760

#1	2.450751	24.06119	2.475522	1.262653	24.65187	2.499561	2.555984
#2	2.428628	23.83877	2.479042	1.259367	24.71753	2.472241	2.563657
#3	2.426878	23.97317	2.483788	1.261182	24.65480	2.490664	2.553280

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.65014	4.588485	5.181837	4.928925	4.963419	5.323929	4.607959
Stddev	.07687	.035783	.009809	.012156	.023631	.008880	.010274
%RSD	.2884440	.7798407	.1892866	.2466248	.4760953	.1667959	.2229550

#1	26.56838	4.628138	5.181700	4.914899	4.990217	5.313723	4.606259
#2	26.72095	4.558602	5.172098	4.935470	4.945572	5.328172	4.598641
#3	26.66108	4.578714	5.191714	4.936407	4.954466	5.329892	4.618977

Sample Name: CCV02 Acquired: 8/12/2025 14:27:26 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.942691	4.849095	5.008938
Stddev	.012772	.021014	.033783
%RSD	.2584100	.4333552	.6744493

#1	4.936533	4.871253	5.008988
#2	4.934164	4.846579	5.042695
#3	4.957375	4.829452	4.975130

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5715.711	99396.88	11755.15	4302.840	6771.515
Stddev	8.397	114.31	93.37	15.166	7.960
%RSD	.1469185	.1150032	.7943162	.3524722	.1175484

#1	5709.321	99299.93	11647.44	4289.503	6775.688
#2	5725.222	99367.79	11813.07	4299.679	6776.521
#3	5712.591	99522.92	11804.95	4319.337	6762.337

Sample Name: CCB02 Acquired: 8/12/2025 14:31:37 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006743	-.003376	-.000861	-.002401	-.002165	-.005324	-.012688
Stddev	.0014466	.000646	.000526	.001374	.001733	.004266	.000760
%RSD	214.5249	19.14296	61.06699	57.21814	80.02343	80.11603	5.986293
#1	.0021642	-.002798	-.001446	-.002019	-.003640	-.008499	-.011880
#2	.0005837	-.003257	-.000429	-.001258	-.000257	-.000476	-.013387
#3	-.000725	-.004074	-.000708	-.003925	-.002598	-.006998	-.012796
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000041	-.000153	-.019761	-.000186	-.000308	.0000064	-.005780
Stddev	.000035	.000020	.012423	.000152	.000115	.0000729	.005554
%RSD	84.84478	13.12126	62.86624	81.64325	37.46445	1142.388	96.09288
#1	-.000012	-.000131	-.012000	-.000019	-.000338	.0000901	-.004287
#2	-.000079	-.000161	-.034089	-.000315	-.000405	-.000027	-.001125
#3	-.000031	-.000169	-.013193	-.000224	-.000181	-.000044	-.011928
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000485	-.007769	.0000889	.0005652	.2952043	.0012690	-.000323
Stddev	.000056	.020204	.0002301	.0002269	.0063320	.0016016	.000190
%RSD	11.46516	260.0688	258.9290	40.15218	2.144967	126.2100	58.75614
#1	-.000549	-.006555	.0003025	.0008201	.2921873	.0030319	-.000524
#2	-.000445	-.028553	-.000155	.0003853	.3024806	-.000097	-.000299
#3	-.000462	.011801	.000119	.0004901	.2909450	.000872	-.000146
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2925307	.0019343	-.000006	-.000302	-.000829	.0088142	.0000192
Stddev	.0235991	.0001250	.000030	.000451	.000817	.0058078	.0006581
%RSD	8.067205	6.461305	513.4977	149.5030	98.58293	65.89213	3432.802
#1	.3165513	.0018014	-.000031	-.000087	-.000657	.0038456	-.000702
#2	.2916635	.0019518	-.000015	.000002	-.001719	.0073977	.000587
#3	.2693772	.0020495	.000028	-.000820	-.000112	.0151992	.000172

Sample Name: CCB02 Acquired: 8/12/2025 14:31:37 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.008694	.0016814	-.000321
Stddev	.002547	.0002437	.000072
%RSD	29.29669	14.49248	22.42508

#1	-.011422	.0017799	-.000391
#2	-.008283	.0018605	-.000247
#3	-.006378	.0014039	-.000324

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5922.132	104468.8	11651.24	4413.585	7628.301
Stddev	9.886	118.3	56.72	7.952	12.042
%RSD	.1669355	.1132805	.4867978	.1801670	.1578605

#1	5910.757	104544.3	11606.34	4412.724	7618.958
#2	5926.984	104529.7	11714.98	4421.932	7624.054
#3	5928.655	104332.4	11632.41	4406.099	7641.891

Sample Name: Q2811-02A Acquired: 8/12/2025 14:35:56 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.8183970	1.701876	.8802739	2.061167	.8166332	2.014357	.1945834
Stddev	.0026510	.017589	.0025219	.010195	.0022375	.005974	.0012794
%RSD	.3239319	1.033519	.2864861	.4946355	.2739874	.2965557	.6575168

#1	.8178417	1.688689	.8820160	2.058460	.8187068	2.009777	.1959598
#2	.8160675	1.695093	.8814236	2.052598	.8142617	2.021114	.1934303
#3	.8212817	1.721847	.8773821	2.072442	.8169310	2.012181	.1943602

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1704243	.1918698	25.42932	.3977825	.1937773	.4487740	3.757841
Stddev	.0003513	.0001926	.03170	.0008002	.0002257	.0008550	.029695
%RSD	.2061256	.1003983	.1246704	.2011778	.1164672	.1905237	.7902208

#1	.1704355	.1917181	25.43657	.3973563	.1937569	.4486957	3.747520
#2	.1700676	.1920865	25.45677	.3987056	.1940125	.4479609	3.791319
#3	.1707699	.1918047	25.39462	.3972855	.1935625	.4496655	3.734683

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2979789	7.730143	.4867223	.0752374	1037.567	.2945729	.6101528
Stddev	.0000977	.054658	.0003019	.0004711	9.877	.0006076	.0026067
%RSD	.0327803	.7070804	.0620188	.6261459	.9519685	.2062750	.4272254

#1	.2980634	7.693180	.4870648	.0756722	1039.601	.2948207	.6126764
#2	.2978719	7.792929	.4864951	.0753030	1046.269	.2938806	.6103118
#3	.2980014	7.704322	.4866071	.0747369	1026.831	.2950175	.6074702

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.66683	.2399093	.4115954	.6514427	.1875578	4.607850	9.426150
Stddev	.05850	.0001480	.0016706	.0010731	.0009586	.011431	.008701
%RSD	.3510216	.0617107	.4058810	.1647319	.5111112	.2480864	.0923059

#1	16.60613	.2400610	.4111353	.6504221	.1876085	4.595221	9.422125
#2	16.67150	.2399017	.4102030	.6525616	.1884901	4.610840	9.436135
#3	16.72286	.2397652	.4134478	.6513443	.1865748	4.617490	9.420191

Sample Name: Q2811-02A Acquired: 8/12/2025 14:35:56 Type: Unk
Method: 6010-200.7 NEW(v94) 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	10.13765	.1913353	.2608955
Stddev	.03642	.0009026	.0005059
%RSD	.3592385	.4717331	.1938995

#1	10.10049	.1917533	.2609885
#2	10.13918	.1902994	.2603495
#3	10.17328	.1919530	.2613484

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5072.285	87152.36	11200.54	3784.563	5841.174
Stddev	15.905	240.90	24.10	16.048	9.891
%RSD	.3135708	.2764174	.2151958	.4240301	.1693293

#1	5060.047	86992.61	11177.18	3772.779	5830.799
#2	5090.264	87035.01	11225.33	3778.072	5850.496
#3	5066.544	87429.45	11199.12	3802.840	5842.228

Sample Name: Q2798-04 Acquired: 8/12/2025 14:40:02 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0012909	-.004598	.0119257	.0020896	-.002272	.1646506	.5486329
Stddev	.0007685	.001415	.0010840	.0039758	.000328	.0035745	.0014675
%RSD	59.53313	30.77639	9.089978	190.2643	14.42774	2.170983	.2674770

#1	.0013185	-.003090	.0108063	.0066521	-.001943	.1633598	.5469399
#2	.0005089	-.005897	.0120002	.0002493	-.002275	.1619007	.5495419
#3	.0020451	-.004808	.0129705	-.000633	-.002598	.1686912	.5494168

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000006	.0003972	90.92563	.0021028	.0166591	.0065099	20.60366
Stddev	.0000116	.0000409	.33101	.0001064	.0001260	.0002878	.12315
%RSD	1984.866	10.28863	.3640418	5.061483	.7563406	4.420636	.5977319

#1	-.000005	.0003676	90.55239	.0021945	.0165143	.0067543	20.73732
#2	.000014	.0004438	91.18355	.0021278	.0167188	.0061927	20.49478
#3	-.000007	.0003802	91.04095	.0019861	.0167441	.0065826	20.57889

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.814933	6.815492	.0147168	.0020207	553.5393	.0009449	.1434416
Stddev	.025342	.037489	.0002504	.0003824	4.9344	.0009812	.0004366
%RSD	.2874898	.5500553	1.701244	18.92158	.8914264	103.8364	.3043700

#1	8.786030	6.774171	.0145348	.0018829	557.4926	.0007303	.1439281
#2	8.825425	6.847326	.0146132	.0024528	555.1160	.0000888	.1430838
#3	8.833345	6.824980	.0150023	.0017263	548.0092	.0020156	.1433129

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.162973	.0513880	-.000065	-.002816	-.004008	1.760274	.0127117
Stddev	.031420	.0003142	.000114	.000073	.000088	.008120	.0014050
%RSD	1.452633	.6114478	174.7583	2.585098	2.202342	.4612930	11.05299

#1	2.180713	.0517451	-.000192	-.002832	-.004064	1.769246	.0126420
#2	2.126695	.0512654	-.000030	-.002880	-.004053	1.753428	.0113428
#3	2.181510	.0511536	.000027	-.002737	-.003906	1.758149	.0141503

Sample Name: Q2798-04 Acquired: 8/12/2025 14:40:02 Type: Unk
Method: 6010-200.7 NEW(v94) 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	1.175656	-.030726	.2268156
Stddev	.005162	.001628	.0003038
%RSD	.4390737	5.297079	.1339303

#1	1.170594	-.028849	.2269473
#2	1.175463	-.031584	.2264682
#3	1.180912	-.031746	.2270313

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5439.830	95401.07	11944.89	4107.086	6214.026
Stddev	14.272	172.87	73.25	9.654	4.834
%RSD	.2623660	.1812030	.6132072	.2350524	.0777844

#1	5452.145	95230.06	12029.03	4096.598	6219.423
#2	5443.157	95575.74	11910.29	4109.059	6212.558
#3	5424.188	95397.41	11895.35	4115.601	6210.096

Sample Name: Q2809-01 Acquired: 8/12/2025 15:50:09 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0753464	-.023653	.3648115	.0013152	-.011958	143.2979
Stddev	.0026726	.002363	.0016609	.0024254	.002058	.2191
%RSD	3.547064	9.989117	.4552612	184.4111	17.20753	.1529281

#1	.0749384	-.023406	.3629966	.0038010	-.014061	143.0756
#2	.0729012	-.026129	.3651825	.0011895	-.009949	143.3044
#3	.0781995	-.021423	.3662555	-.001045	-.011864	143.5137

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7540031	.0087943	.0077181	94.84389	.2165409	.1308440
Stddev	.0021239	.0001837	.0002192	.20588	.0003702	.0006623
%RSD	.2816799	2.089029	2.840487	.2170702	.1709552	.5061722

#1	.7539365	.0085914	.0075037	94.62823	.2163117	.1302064
#2	.7561595	.0088421	.0077087	95.03835	.2163431	.1307971
#3	.7519133	.0089494	.0079419	94.86508	.2169680	.1315285

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3232169	279.3675	4.920092	52.42239	.2377209	.0126803
Stddev	.0024986	1.5295	.025208	.09676	.0003813	.0008112
%RSD	.7730489	.5474881	.5123385	.1845770	.1603913	6.397539

#1	.3205916	280.8980	4.912375	52.31678	.2373024	.0135965
#2	.3234933	279.3655	4.948256	52.44360	.2378119	.0120534
#3	.3255659	277.8390	4.899644	52.50678	.2380485	.0123910

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.48150	.4425891	.7439455	16.44400	.1379330	.0044933
Stddev	.07956	.0026286	.0015109	.10404	.0105300	.0002335
%RSD	.6374226	.5939133	.2030886	.6327164	7.634178	5.195662

#1	12.54230	.4421625	.7452318	16.56196	.1499904	.0044251
#2	12.51075	.4401998	.7443229	16.40474	.1332634	.0047533
#3	12.39146	.4454048	.7422816	16.36529	.1305453	.0043016

Sample Name: Q2809-01 Acquired: 8/12/2025 15:50:09 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0301249	4.591096	F 17.59792	5.814886	4.534946	.1871009
Stddev	.0007494	.009727	.34509	.022558	.015177	.0006747
%RSD	2.487778	.2118709	1.960951	.3879273	.3346767	.3605854
#1	.0308096	4.584097	17.93918	5.794114	4.518123	.1863370
#2	.0293242	4.602203	17.24913	5.811661	4.539104	.1873505
#3	.0302407	4.586988	17.60545	5.838882	4.547611	.1876151

Elem	Sr4077
Units	ppm
Avg	.2202819
Stddev	.0012399
%RSD	.5628804
#1	.2191494
#2	.2216068
#3	.2200895

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6385.194	112519.4	14266.68	4815.231	6307.184
Stddev	14.896	95.5	78.26	19.695	17.652
%RSD	.2332944	.0849097	.5485306	.4090066	.2798783
#1	6402.178	112416.1	14352.78	4806.398	6327.416
#2	6374.344	112537.7	14199.88	4801.498	6299.214
#3	6379.059	112604.5	14247.38	4837.796	6294.922

Sample Name: Q2828-01 Acquired: 8/12/2025 15:54:10 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.1133548	.0042934	1.457405	.0124920	.1169138	175.1491	2.472848
Stddev	.0011574	.0005900	.002619	.0007964	.0007407	1.9699	.005247
%RSD	1.021031	13.74151	.1796696	6.374899	.6335577	1.124689	.2121970

#1	.1129958	.0037891	1.456299	.0115994	.1176191	176.4737	2.478847
#2	.1146491	.0041489	1.460395	.0127466	.1161421	172.8854	2.469114
#3	.1124194	.0049422	1.455521	.0131299	.1169800	176.0881	2.470582

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0183285	.0951422	177.0994	1.279872	.8252927	1.577773	259.8864
Stddev	.0000847	.0001859	.6159	.008052	.0025617	.004686	1.4815
%RSD	.4619574	.1954380	.3477560	.6291180	.3103975	.2970000	.5700407

#1	.0182407	.0950712	176.5804	1.277417	.8239697	1.582421	261.5320
#2	.0183351	.0953532	177.7799	1.288865	.8282453	1.573050	259.4682
#3	.0184096	.0950022	176.9379	1.273332	.8236630	1.577847	258.6590

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.290921	24.83967	2.935375	.0381779	18.74571	.6584615	5.065729
Stddev	.003841	.05816	.004293	.0006280	.12324	.0012057	.012244
%RSD	.0895202	.2341383	.1462446	1.644868	.6574529	.1831060	.2417058

#1	4.289873	24.77715	2.937934	.0389003	18.88714	.6595755	5.074592
#2	4.287712	24.84970	2.937771	.0378702	18.68869	.6571814	5.070837
#3	4.295177	24.89217	2.930419	.0377630	18.66131	.6586277	5.051758

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.758283	.8380943	.1740928	.1873784	14.96800	5.401039	3.484250
Stddev	.015889	.0057766	.0007964	.0013537	.00394	.062299	.005272
%RSD	.2350974	.6892502	.4574642	.7224623	.0263412	1.153472	.1513144

#1	6.768727	.8447628	.1749829	.1884840	14.96708	5.472636	3.486483
#2	6.739999	.8348918	.1734476	.1877826	14.96460	5.371295	3.488038
#3	6.766125	.8346283	.1738479	.1858686	14.97232	5.359187	3.478229

Sample Name: Q2828-01 Acquired: 8/12/2025 15:54:10 Type: Unk
Method: 6010-200.7 NEW(v94) 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	7.569633	.3396874	1.235864
Stddev	.041683	.0003830	.003306
%RSD	.5506619	.1127369	.2675372

#1	7.616956	.3393665	1.234894
#2	7.553578	.3401113	1.239547
#3	7.538365	.3395843	1.233151

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	10916.47	191204.1	25723.49	8158.342	5818.652
Stddev	15.48	438.4	118.66	42.993	3.287
%RSD	.1418402	.2292899	.4613094	.5269846	.0564829

#1	10904.10	190980.2	25801.16	8110.835	5819.007
#2	10933.83	191709.3	25782.41	8194.575	5815.203
#3	10911.46	190922.8	25586.89	8169.617	5821.747

Sample Name: Q2828-01DUP Acquired: 8/12/2025 15:58:51 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.1202171	.0136859	1.626111	.0139750	.1247417	233.7839	2.636957
Stddev	.0006814	.0026660	.003693	.0021117	.0031322	.6554	.024371
%RSD	.5667881	19.48016	.2271086	15.11051	2.510929	.2803342	.9242209

#1	.1206793	.0108517	1.629534	.0129774	.1266935	234.5379	2.615870
#2	.1205374	.0161437	1.622197	.0125469	.1264028	233.4636	2.663640
#3	.1194346	.0140623	1.626601	.0164007	.1211289	233.3503	2.631362

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0199008	.1102357	226.2608	1.384756	.9081889	1.693670	265.7708
Stddev	.0000747	.0002471	.8610	.017536	.0027383	.005713	1.8489
%RSD	.3753477	.2241381	.3805293	1.266349	.3015152	.3372885	.6956686

#1	.0198437	.1105204	226.3088	1.367697	.9063320	1.694873	263.9451
#2	.0199853	.1100772	227.0967	1.402733	.9069010	1.687452	267.6421
#3	.0198734	.1101095	225.3768	1.383838	.9113337	1.698685	265.7253

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.932634	32.95409	3.284493	.0400320	22.37813	.7661495	5.451280
Stddev	.011390	.14191	.005456	.0003664	.20349	.0015958	.012485
%RSD	.2309062	.4306241	.1661210	.9153445	.9093176	.2082863	.2290341

#1	4.922094	32.94794	3.283014	.0397463	22.18297	.7644357	5.461409
#2	4.944717	33.09897	3.279929	.0399046	22.58903	.7675926	5.455101
#3	4.931092	32.81536	3.290537	.0404451	22.36239	.7664202	5.437331

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.919680	.9715154	.1793690	.2187844	15.91769	6.069436	3.935081
Stddev	.066880	.0025547	.0003166	.0012458	.05946	.058122	.008294
%RSD	.8444727	.2629615	.1764850	.5694082	.3735605	.9576253	.2107640

#1	7.851732	.9692346	.1790270	.2201811	15.85393	6.065177	3.937477
#2	7.985438	.9742760	.1794284	.2183838	15.97164	6.129571	3.941913
#3	7.921870	.9710357	.1796517	.2177882	15.92750	6.013560	3.925853

Sample Name: Q2828-01DUP Acquired: 8/12/2025 15:58:51 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	8.854901	.3697111	1.401221
Stddev	.041856	.0011332	.014577
%RSD	.4726912	.3065177	1.040274

#1	8.885083	.3684833	1.395991
#2	8.872501	.3707169	1.417691
#3	8.807118	.3699331	1.389981

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	11283.94	195225.3	26299.72	8420.623	5633.570
Stddev	38.13	1836.5	75.42	28.571	12.043
%RSD	.3379180	.9407056	.2867571	.3392924	.2137666

#1	11288.34	196888.1	26378.12	8397.386	5633.062
#2	11319.67	193254.2	26227.69	8411.960	5645.859
#3	11243.79	195533.5	26293.33	8452.522	5621.790

Sample Name: Q2828-01LX5 Acquired: 8/12/2025 16:03:41 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0358295	.0014742	.2884591	.0008333	.0376855	58.97696	.8252369
Stddev	.0012862	.0042587	.0001782	.0017486	.0013164	.15102	.0025963
%RSD	3.589778	288.8892	.0617735	209.8503	3.493017	.2560714	.3146081

#1	.0352648	.0062171	.2885261	-.001157	.0368336	59.15133	.8241319
#2	.0373014	.0002272	.2882572	.002121	.0370213	58.88796	.8282029
#3	.0349222	-.002022	.2885942	.001536	.0392017	58.89158	.8233760

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065150	.0142576	62.49609	.4398676	.1557269	.5667699	87.15331
Stddev	.0001159	.0000589	.16458	.0025803	.0001441	.0007481	.61714
%RSD	1.778910	.4132551	.2633372	.5866167	.0925379	.1319997	.7081108

#1	.0066386	.0142479	62.66504	.4399838	.1557603	.5667494	86.55427
#2	.0064976	.0142042	62.48697	.4423878	.1558513	.5675280	87.78709
#3	.0064088	.0143208	62.33627	.4372311	.1555690	.5660321	87.11857

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.532300	8.868788	.5732555	.0143863	5.498000	.2319290	1.798064
Stddev	.005076	.041236	.0006501	.0006415	.034797	.0029039	.008473
%RSD	.3312862	.4649538	.1134057	4.459365	.6329088	1.252050	.4712145

#1	1.533930	8.916267	.5725401	.0136455	5.471714	.2316372	1.805773
#2	1.536361	8.841937	.5738101	.0147559	5.537461	.2349677	1.788993
#3	1.526609	8.848159	.5734164	.0147574	5.484826	.2291820	1.799425

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.104033	.3040151	.0595618	.0351724	5.210900	1.721055	.6489293
Stddev	.004357	.0019881	.0001230	.0002103	.025643	.012436	.0019586
%RSD	.2070583	.6539466	.2064703	.5978868	.4921008	.7225786	.3018148

#1	2.107612	.3021756	.0595215	.0349412	5.202927	1.722849	.6475616
#2	2.105305	.3061243	.0594640	.0352237	5.239582	1.732497	.6480533
#3	2.099182	.3037455	.0596999	.0353523	5.190191	1.707820	.6511729

Sample Name: Q2828-01LX5 Acquired: 8/12/2025 16:03:41 Type: Unk
Method: 6010-200.7 NEW(v94) 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	1.351053	.1071204	.4299338
Stddev	.004768	.0010101	.0009840
%RSD	.3529305	.9429978	.2288687

#1	1.346279	.1061019	.4298701
#2	1.351066	.1071375	.4309481
#3	1.355815	.1081219	.4289833

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6882.610	120587.5	14742.56	5145.832	6797.730
Stddev	12.820	120.3	125.13	20.088	7.907
%RSD	.1862631	.0997944	.8487620	.3903779	.1163225

#1	6871.593	120483.8	14598.93	5122.803	6790.420
#2	6879.555	120559.2	14828.01	5159.750	6796.647
#3	6896.681	120719.4	14800.73	5154.943	6806.123

Sample Name: CCV03 Acquired: 8/12/2025 16:07:46 Type: Unk
Method: 6010-200.7 NEW(v94) 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	5.108041	5.059621	4.820108	5.199943	5.181555	9.917838
Stddev	.009376	.079206	.007541	.013448	.001092	.064503
%RSD	.1835493	1.565450	.1564577	.2586202	.0210689	.6503729

#1	5.105174	5.018055	4.816035	5.194968	5.180580	9.897058
#2	5.100433	5.009852	4.815479	5.189691	5.182735	9.990170
#3	5.118515	5.150958	4.828810	5.215170	5.181351	9.866287

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.963104	.2285186	2.426220	24.24165	.9902496	2.440116
Stddev	.091686	.0014101	.003445	.04745	.0016788	.002319
%RSD	.9202532	.6170508	.1419989	.1957424	.1695368	.0950268

#1	10.06073	.2296462	2.423456	24.28999	.9908868	2.438386
#2	9.87882	.2269376	2.425123	24.23984	.9883455	2.439211
#3	9.94976	.2289720	2.430080	24.19514	.9915166	2.442750

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.257716	5.309583	2.437164	23.91129	2.454176	1.255079
Stddev	.000626	.024455	.002678	.05407	.002699	.001124
%RSD	.0497676	.4605798	.1098895	.2261261	.1099684	.0895614

#1	1.258261	5.286952	2.437928	23.90434	2.454149	1.253807
#2	1.257854	5.335525	2.434187	23.96850	2.451491	1.255487
#3	1.257032	5.306272	2.439377	23.86103	2.456889	1.255941

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.87633	2.489821	2.523350	26.44767	4.583284	5.151795
Stddev	.10851	.000151	.009196	.11499	.025403	.002474
%RSD	.4362113	.0060720	.3644319	.4347649	.5542523	.0480127

#1	24.83750	2.489965	2.512733	26.34337	4.604284	5.149296
#2	24.99892	2.489664	2.528825	26.57098	4.555048	5.154242
#3	24.79257	2.489834	2.528491	26.42868	4.590521	5.151846

Sample Name: CCV03 Acquired: 8/12/2025 16:07:46 Type: Unk
Method: 6010-200.7 NEW(v94) 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	4.845216	4.998698	F 5.558761	F 4.497270	4.838466	4.803107
Stddev	.011197	.013361	.071975	.009945	.015523	.010366
%RSD	.2310949	.2672880	1.294810	.2211311	.3208339	.2158142

#1	4.840882	5.013580	5.537692	4.505191	4.825032	4.814540
#2	4.836833	4.987734	5.638920	4.486109	4.834906	4.800458
#3	4.857932	4.994781	5.499671	4.500509	4.855460	4.794322

Elem	Sr4077
Units	ppm
Avg	5.008108
Stddev	.057956
%RSD	1.157239

#1	5.044586
#2	4.941280
#3	5.038457

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5716.693	100311.7	11827.16	4280.805	6812.396
Stddev	12.708	233.6	59.64	29.839	8.836
%RSD	.2222940	.2328608	.5042573	.6970475	.1297011

#1	5707.366	100568.8	11801.39	4315.160	6804.242
#2	5711.545	100253.6	11895.35	4265.899	6811.162
#3	5731.167	100112.6	11784.74	4261.355	6821.784

Sample Name: CCB03 Acquired: 8/12/2025 16:11:58 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.0012823	-.003152	-.001054	-.000215	-.001242	.0145431	-.013825
Stddev	.0012969	.000890	.000888	.002510	.001023	.0027292	.001088
%RSD	101.1360	28.24921	84.26171	1169.821	82.37087	18.76616	7.869721

#1	.0021500	-.002722	-.002021	.000096	-.002239	.0137060	-.014234
#2	.0019054	-.004176	-.000864	.002125	-.001291	.0123306	-.012592
#3	-.000209	-.002558	-.000276	-.002865	-.000195	.0175928	-.014650

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000042	-.000128	-.018640	-.000095	-.000144	.0008986	-.002322
Stddev	.000017	.000077	.002175	.000155	.000175	.0001551	.003684
%RSD	42.08546	60.40600	11.66930	162.9122	121.7338	17.25990	158.6490

#1	-.000040	-.000137	-.018398	-.000168	-.000320	.0007251	-.006561
#2	-.000060	-.000047	-.020926	.000083	-.000144	.0009469	.000117
#3	-.000025	-.000200	-.016596	-.000200	.000031	.0010237	-.000524

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000369	-.004753	-.000131	.0009628	.2329534	.0018920	-.000491
Stddev	.000439	.032109	.000411	.0001277	.0052301	.0010474	.000059
%RSD	118.9315	675.5292	313.2820	13.26548	2.245126	55.35649	12.08008

#1	-.000333	.016410	.000135	.0010733	.2319935	.0019490	-.000544
#2	.000051	.011029	-.000605	.0008230	.2282697	.0029098	-.000503
#3	-.000824	-.041700	.000076	.0009921	.2385969	.0008174	-.000427

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1532604	.0012187	-.000133	.0002541	-.000829	.0091349	.0001555
Stddev	.0175432	.0008294	.000124	.0001896	.000449	.0075363	.0028199
%RSD	11.44663	68.05337	93.76385	74.63615	54.16857	82.49990	1813.749

#1	.1352719	.0008127	-.000185	.0000375	-.001346	.0023731	-.001217
#2	.1541880	.0021729	-.000222	.0003901	-.000535	.0077720	.003399
#3	.1703214	.0006706	.000009	.0003346	-.000606	.0172597	-.001716

Sample Name: CCB03 Acquired: 8/12/2025 16:11:58 Type: Unk
Method: 6010-200.7 NEW(v94) 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	-.006897	-.005757	-.000292
Stddev	.002149	.000211	.000036
%RSD	31.15599	3.668602	12.18461

#1	-.005803	-.005604	-.000253
#2	-.009373	-.005671	-.000303
#3	-.005516	-.005998	-.000321

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5785.037	103833.3	11818.06	4415.388	7295.249
Stddev	25.773	799.3	137.26	53.656	29.828
%RSD	.4455146	.7698225	1.161414	1.215206	.4088679

#1	5755.532	104621.1	11798.67	4469.612	7261.132
#2	5796.423	103022.9	11691.53	4362.319	7308.216
#3	5803.157	103855.9	11963.98	4414.232	7316.399

Sample Name: Q2828-01MS Acquired: 8/12/2025 16:16:18 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.4301764	1.621445	2.536185	.7320530	.3036037	229.8968	2.790416
Stddev	.0022945	.036066	.007088	.0008386	.0018614	1.3572	.018984
%RSD	.5333956	2.224323	.2794792	.1145507	.6130872	.5903505	.6803106

#1	.4317695	1.581573	2.529492	.7319532	.3044523	231.3560	2.809108
#2	.4312133	1.651795	2.535451	.7329370	.3014693	228.6723	2.790987
#3	.4275465	1.630966	2.543611	.7312688	.3048896	229.6620	2.771153

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0890903	.2837847	238.5208	1.490309	1.102624	1.881934	249.9742
Stddev	.0000538	.0004716	1.0235	.010862	.002111	.004466	1.9383
%RSD	.0604379	.1661686	.4291091	.7288170	.1914313	.2373211	.7754101

#1	.0891524	.2838577	239.3938	1.487864	1.101490	1.880474	251.4129
#2	.0890568	.2832809	238.7743	1.502184	1.101322	1.878380	250.7397
#3	.0890616	.2842155	237.3944	1.480877	1.105059	1.886947	247.7700

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.174590	34.14133	3.678267	.0796583	24.75087	1.318455	5.784137
Stddev	.020885	.06389	.006319	.0004906	.19812	.002743	.012022
%RSD	.4035991	.1871431	.1717958	.6159249	.8004462	.2080438	.2078370

#1	5.151089	34.18451	3.675552	.0802154	24.73587	1.318906	5.795639
#2	5.181653	34.06793	3.673759	.0794691	24.95606	1.315514	5.785118
#3	5.191026	34.17154	3.685490	.0792905	24.56068	1.320944	5.771656

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.38945	1.106714	.3270264	.8114560	15.46022	8.089703	9.024578
Stddev	.07236	.004726	.0011506	.0032564	.03592	.091307	.024613
%RSD	.5404579	.4270746	.3518475	.4012997	.2323430	1.128678	.2727355

#1	13.40188	1.105629	.3273927	.8102968	15.42334	8.138426	9.024570
#2	13.45480	1.111889	.3257372	.8089378	15.46223	8.146314	8.999969
#3	13.31168	1.102625	.3279493	.8151333	15.49510	7.984370	9.049195

Sample Name: Q2828-01MS Acquired: 8/12/2025 16:16:18 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	9.070796	.4590880	1.552396
Stddev	.025846	.0014179	.013803
%RSD	.2849396	.3088515	.8891430

#1	9.054621	.4574532	1.545871
#2	9.100605	.4599821	1.568251
#3	9.057163	.4598288	1.543065

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	11446.76	199759.1	26907.37	8597.817	5615.098
Stddev	31.17	1484.5	35.01	14.050	12.828
%RSD	.2723453	.7431465	.1301095	.1634190	.2284524

#1	11447.48	199147.0	26940.69	8607.306	5616.534
#2	11477.57	198678.5	26910.52	8604.470	5627.146
#3	11415.23	201451.8	26870.89	8581.676	5601.612

Sample Name: Q2828-01MSD Acquired: 8/12/2025 16:21:04 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.4505065	1.631791	2.449105	.7794099	.2436085	238.0519	2.642722
Stddev	.0024937	.009660	.005900	.0033513	.0007524	1.9249	.028061
%RSD	.5535374	.5920154	.2409158	.4299782	.3088503	.8086088	1.061829

#1	.4519866	1.621093	2.442307	.7769996	.2444386	239.2260	2.667074
#2	.4519055	1.634404	2.452892	.7779933	.2434154	235.8304	2.649059
#3	.4476273	1.639877	2.452117	.7832369	.2429715	239.0992	2.612035

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0941992	.2843159	260.5685	1.640941	1.123332	1.834652	278.6098
Stddev	.0004593	.0004248	.3600	.003481	.001468	.003740	1.4442
%RSD	.4876153	.1494270	.1381435	.2121622	.1306655	.2038679	.5183453

#1	.0937473	.2838524	260.3789	1.636921	1.121638	1.834844	277.0249
#2	.0946656	.2844086	260.9836	1.642977	1.124143	1.830820	279.8514
#3	.0941848	.2846868	260.3429	1.642925	1.124216	1.838293	278.9532

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.418776	36.20229	3.817640	.0778848	23.16904	.8944749	5.475269
Stddev	.019515	.08279	.002584	.0005296	.08691	.0022212	.007601
%RSD	.3601282	.2286789	.0676774	.6799300	.3751240	.2483261	.1388294

#1	5.412351	36.15946	3.815009	.0773780	23.20690	.8953371	5.483413
#2	5.440693	36.29771	3.817739	.0784345	23.23061	.8961358	5.468363
#3	5.403284	36.14968	3.820173	.0778419	23.06962	.8919519	5.474032

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.85564	1.063671	.3310886	.8127335	14.35380	1.516208	8.726619
Stddev	.05999	.009005	.0003341	.0019429	.02518	.015807	.018622
%RSD	.4666627	.8466154	.1009163	.2390575	.1754578	1.042557	.2133885

#1	12.87345	1.053457	.3310769	.8108031	14.35422	1.534289	8.722652
#2	12.90472	1.070466	.3307604	.8146887	14.37877	1.509329	8.710301
#3	12.78876	1.067090	.3314284	.8127086	14.32841	1.505005	8.746905

Sample Name: Q2828-01MSD Acquired: 8/12/2025 16:21:04 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	9.015732	.4547671	1.505331
Stddev	.023448	.0015315	.022955
%RSD	.2600787	.3367617	1.524885
#1	8.988928	.4552233	1.511978
#2	9.025821	.4560186	1.479786
#3	9.032447	.4530593	1.524229

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	10877.96	193035.9	25805.08	8240.487	5563.932
Stddev	28.31	214.6	47.75	40.424	8.309
%RSD	.2602204	.1111634	.1850297	.4905533	.1493379
#1	10877.99	193272.8	25858.84	8201.870	5570.336
#2	10906.25	192980.2	25788.80	8282.503	5566.917
#3	10849.64	192854.6	25767.60	8237.088	5554.542

Sample Name: Q2828-01A Acquired: 8/12/2025 16:25:51 Type: Unk
Method: 6010-200.7 NEW(v94) 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	.4960857	1.715146	2.312395	.9773885	.5234722	175.5686	2.565108
Stddev	.0009811	.016431	.001479	.0036639	.0034057	1.4994	.021496
%RSD	.1977587	.9579976	.0639739	.3748624	.6506065	.8540503	.8380034

#1	.4967588	1.732373	2.313544	.9742722	.5273754	173.9139	2.564920
#2	.4949600	1.699648	2.310726	.9764688	.5219358	176.8373	2.586697
#3	.4965382	1.713415	2.312915	.9814246	.5211053	175.9547	2.543707

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0967982	.2774147	179.2513	1.435009	1.000612	1.717726	259.6027
Stddev	.0003408	.0006342	1.4630	.008300	.000885	.003093	3.0732
%RSD	.3521144	.2286065	.8161609	.5783848	.0884934	.1800614	1.183824

#1	.0964185	.2781191	177.7845	1.426941	1.001509	1.719677	256.5447
#2	.0970779	.2768892	179.2591	1.434562	1.000588	1.714160	259.5724
#3	.0968980	.2772357	180.7104	1.443523	.999739	1.719341	262.6910

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.400109	26.10737	3.368952	.0761515	20.79529	.7947290	5.086428
Stddev	.016192	.07627	.003973	.0013368	.09033	.0003085	.027104
%RSD	.3679841	.2921276	.1179309	1.755395	.4343748	.0388185	.5328705

#1	4.392631	26.19195	3.372580	.0749621	20.79794	.7945347	5.117720
#2	4.389008	26.04384	3.364706	.0758942	20.70366	.7945676	5.070290
#3	4.418688	26.08632	3.369570	.0775982	20.88426	.7950847	5.071275

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.54912	.9651045	.3651265	.8373388	14.86547	5.253145	8.590038
Stddev	.05850	.0128584	.0010477	.0008454	.04087	.039840	.025155
%RSD	.4661358	1.332335	.2869532	.1009651	.2749586	.7583946	.2928383

#1	12.55939	.9519623	.3652237	.8380610	14.87415	5.299126	8.593934
#2	12.48617	.9656921	.3640335	.8364089	14.82096	5.231377	8.613017
#3	12.60180	.9776590	.3661222	.8375465	14.90132	5.228931	8.563162

Sample Name: Q2828-01A Acquired: 8/12/2025 16:25:51 Type: Unk
Method: 6010-200.7 NEW(v94) 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	7.506812	.4292613	1.339077
Stddev	.009501	.0019702	.004446
%RSD	.1265717	.4589781	.3320036

#1	7.514256	.4283079	1.342160
#2	7.496110	.4279491	1.341091
#3	7.510071	.4315269	1.333981

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	10728.87	187829.6	25545.10	8098.862	5776.546
Stddev	15.53	133.4	69.60	56.803	3.710
%RSD	.1447543	.0710187	.2724687	.7013680	.0642289

#1	10741.82	187981.9	25617.76	8034.845	5780.824
#2	10733.14	187733.5	25479.03	8143.239	5774.608
#3	10711.65	187773.4	25538.50	8118.500	5774.205

Sample Name: CCV04 Acquired: 8/12/2025 16:30:34 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.226011	5.024065	4.869603	5.329346	5.292841	9.955319
Stddev	.011072	.064741	.007283	.012693	.013334	.024782
%RSD	.2118687	1.288625	.1495509	.2381756	.2519164	.2489345

#1	5.234927	5.096790	4.861317	5.342735	5.300667	9.944942
#2	5.213618	5.002694	4.872506	5.317487	5.277446	9.983603
#3	5.229488	4.972711	4.874986	5.327815	5.300412	9.937413

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.08725	.2274304	2.455326	24.21069	.9953753	2.468655
Stddev	.05436	.0019179	.003842	.08502	.0018306	.003495
%RSD	.5388657	.8433101	.1564930	.3511632	.1839094	.1415635

#1	10.06926	.2253654	2.451627	24.16506	.9950781	2.465828
#2	10.04416	.2277698	2.455055	24.15823	.9973363	2.467575
#3	10.14832	.2291560	2.459297	24.30878	.9937115	2.472563

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.282283	5.399523	2.439813	23.88903	2.486942	1.267195
Stddev	.002727	.026838	.008580	.11696	.002606	.000119
%RSD	.2127055	.4970409	.3516813	.4895911	.1048038	.0093877

#1	1.281816	5.430023	2.436349	23.79298	2.484298	1.267269
#2	1.279820	5.379522	2.433505	23.85485	2.487017	1.267057
#3	1.285215	5.389023	2.449583	24.01928	2.489509	1.267258

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.22898	2.498091	2.500360	26.69213	4.558567	5.207137
Stddev	.18650	.008684	.009549	.14745	.038701	.005088
%RSD	.7392430	.3476304	.3818945	.5524197	.8489697	.0977157

#1	25.43210	2.494654	2.501779	26.84837	4.518875	5.211700
#2	25.18941	2.491651	2.509120	26.67262	4.560632	5.201650
#3	25.06544	2.507967	2.490181	26.55541	4.596194	5.208060

Sample Name: CCV04 Acquired: 8/12/2025 16:30:34 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.895483	5.005310	F 5.725192	F 4.474427	4.927916	4.749897
Stddev	.005718	.006991	.033576	.011184	.014963	.003777
%RSD	.1167991	.1396778	.5864544	.2499479	.3036445	.0795252

#1	4.888919	4.997956	5.734495	4.467860	4.927917	4.745840
#2	4.898148	5.006101	5.753135	4.468081	4.912952	4.750540
#3	4.899381	5.011871	5.687946	4.487341	4.942878	4.753312

Elem	Sr4077
Units	ppm
Avg	5.095901
Stddev	.038354
%RSD	.7526466

#1	5.065958
#2	5.082613
#3	5.139132

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5562.942	99141.98	11868.44	4243.941	6635.100
Stddev	7.229	203.27	68.92	18.725	5.821
%RSD	.1299496	.2050243	.5806941	.4412277	.0877367

#1	5562.276	98959.98	11938.64	4234.838	6639.273
#2	5570.481	99104.63	11865.80	4231.507	6637.577
#3	5556.069	99361.33	11800.87	4265.477	6628.449

Sample Name: CCB04 Acquired: 8/12/2025 16:34:45 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001749	-.004154	-.000932	-.003303	-.002089	.0221448	-.015885
Stddev	.0007228	.000971	.000709	.002889	.000998	.0133084	.000494
%RSD	413.3467	23.36912	76.03020	87.47539	47.75227	60.09715	3.111135

#1	-.000643	-.003371	-.001684	-.006549	-.002185	.0320679	-.016113
#2	.000729	-.005241	-.000837	-.001010	-.003036	.0273451	-.015317
#3	.000438	-.003851	-.000276	-.002351	-.001047	.0070214	-.016223

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000040	-.000131	-.020406	-.000301	-.000142	.0009431	-.007907
Stddev	.000078	.000042	.002322	.000174	.000224	.0004363	.003156
%RSD	194.2547	32.32972	11.38014	57.83766	157.7970	46.26776	39.91434

#1	-.000129	-.000095	-.021269	-.000263	.000044	.0007855	-.004284
#2	.000007	-.000121	-.022172	-.000491	-.000080	.0014363	-.010060
#3	.000002	-.000177	-.017775	-.000149	-.000391	.0006074	-.009376

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000526	-.011311	-.000029	.0009201	.1363166	.0016104	-.000471
Stddev	.000173	.034684	.000321	.0003134	.0063112	.0001692	.000168
%RSD	32.96935	306.6425	1090.055	34.06113	4.629842	10.50421	35.67984

#1	-.000353	-.038020	-.000145	.0008689	.1407703	.0016023	-.000635
#2	-.000526	.027888	-.000277	.0006354	.1390853	.0017835	-.000299
#3	-.000699	-.023800	.000334	.0012559	.1290942	.0014455	-.000479

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1111738	.0025250	.0000733	.0000011	-.000242	.0044574	.0016775
Stddev	.0187742	.0004044	.0002246	.0004875	.000279	.0047341	.0009428
%RSD	16.88728	16.01807	306.2786	44846.76	115.3847	106.2079	56.20564

#1	.0932760	.0021497	.0003326	-.000201	.000076	.0099150	.0009444
#2	.1307163	.0029533	-.000061	.000557	-.000354	.0014601	.0027411
#3	.1095290	.0024718	-.000051	-.000353	-.000447	.0019969	.0013470

Sample Name: CCB04 Acquired: 8/12/2025 16:34:45 Type: Unk
Method: 6010-200.7 NEW(v94) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.007303	-.009243	-.000255
Stddev	.002740	.001023	.000164
%RSD	37.51279	11.06912	64.46741

#1	-.004219	-.008175	-.000065
#2	-.009453	-.010214	-.000341
#3	-.008238	-.009338	-.000359

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5884.445	105705.1	11986.40	4462.068	7512.261
Stddev	4.367	584.0	58.98	10.758	9.837
%RSD	.0742194	.5524843	.4920355	.2411100	.1309503

#1	5879.663	105186.2	12038.50	4457.573	7501.363
#2	5888.225	106337.5	11922.37	4474.345	7514.936
#3	5885.446	105591.6	11998.33	4454.285	7520.484

LB136791 INSTRUMENT ID: CV1

Method: 245.1 Operator: Admin Date of Analysis: 12 Aug 2025 16:16:33

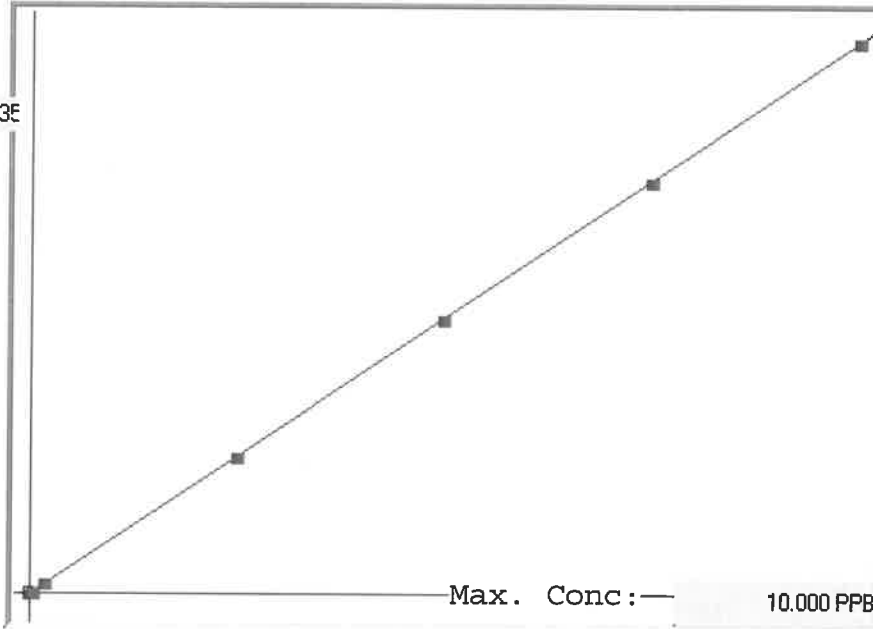
Type	Sample ID	Extended ID	Conc.	μ Abs.	Units	Type	Std Cond	Method	Date
S	0.0 - 1	50	-	-116	PPB	Std	0.0000	245.1	12 Aug 2025 16:58:13
S	0.05 - 1	50.05	-	124	PPB	Std	0.0500	245.1	12 Aug 2025 17:00:30
S	0.2 - 1	50.2	-	775	PPB	Std	0.2000	245.1	12 Aug 2025 17:02:47
S	2.5 - 1	52.5	-	10491	PPB	Std	2.5000	245.1	12 Aug 2025 17:05:04
S	5.0 - 1	55.0	-	20947	PPB	Std	5.0000	245.1	12 Aug 2025 17:07:20
S	7.5 - 1	57.5	-	31480	PPB	Std	7.5000	245.1	12 Aug 2025 17:09:38
S	10.0 - 1	510.0	-	42035	PPB	Std	10.0000	245.1	12 Aug 2025 17:28:26
U	ICV11 - 1	ICV11	4.0583	17005	PPB	SMPL	-245.1		12 Aug 2025 17:35:31
U	ICB11 - 1	ICB11	0.0115	-35	PPB	SMPL	-245.1		12 Aug 2025 17:40:32
U	CCV32 - 1	CCV32	4.9722	20853	PPB	SMPL	-245.1		12 Aug 2025 17:42:47
U	CCB32 - 1	CCB32	-0.0393	-249	PPB	SMPL	-245.1		12 Aug 2025 17:45:02
U	CRA - 1	CRA	0.0381	77	PPB	SMPL	-245.1		12 Aug 2025 17:47:19
U	HighStd - 1	HighStd	9.9432	41784	PPB	SMPL	-245.1		12 Aug 2025 17:49:34
U	ChkStd - 1	ChkStd	7.1709	30111	PPB	SMPL	-245.1		12 Aug 2025 17:51:49
U	PB169219BL - 1	PBW	0.0198	0	PPB	SMPL	-245.1		12 Aug 2025 17:57:00
U	PB169219BS - 1	LCSW	3.9137	16396	PPB	SMPL	-245.1		12 Aug 2025 17:59:15
U	Q2785-01 - 1	WATER	-0.0469	-281	PPB	SMPL	-245.1		12 Aug 2025 18:01:31
U	Q2785-01DUP - 1	WATERDUP	0.0010	-79	PPB	SMPL	-245.1		12 Aug 2025 18:03:49
U	Q2785-01MS - 1	WATERMS	3.8346	16063	PPB	SMPL	-245.1		12 Aug 2025 18:11:38
U	Q2785-01MSD - 1	WATERMSD	3.8263	16028	PPB	SMPL	-245.1		12 Aug 2025 18:13:55
U	Q2789-02 - 1	Comp	0.1100	380	PPB	SMPL	-245.1		12 Aug 2025 18:16:12
U	CCV33 - 1	CCV33	4.6561	19522	PPB	SMPL	-245.1		12 Aug 2025 18:18:30
U	CCB33 - 1	CCB33	-0.0391	-248	PPB	SMPL	-245.1		12 Aug 2025 18:20:45
U	Q2799-01 - 1	CC-071325-RW	-0.0403	-253	PPB	SMPL	-245.1		12 Aug 2025 18:23:02
U	Q2785-01LX5 - 1		-0.0496	-292	PPB	SMPL	-245.1		12 Aug 2025 18:25:18
U	Q2785-01A - 1		3.7817	15840	PPB	SMPL	-245.1		12 Aug 2025 18:27:56
U	CCV34 - 1	CCV34	4.7494	19915	PPB	SMPL	-245.1		12 Aug 2025 18:30:11
U	CCB34 - 1	CCB34	-0.0094	-123	PPB	SMPL	-245.1		12 Aug 2025 18:32:29

LB136791
INSTRUMENT ID : CV1

245.1

μ Abs. :

42035



A= 0.0000e+000

B= 2.3749e-004

C= 1.9791e-002

Rho= 0.9999987

Accept= Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	%
0.0	0.000	-0.008	-0.008	-116	0.000	-116					
0.05	0.050	0.049	-0.001	124	0.0 %	124					
0.2	0.200	0.204	0.004	775	0.0 %	775					
2.5	2.500	2.511	0.011	10491	0.0 %	10491					
5.0	5.000	4.995	-0.005	20947	0.0 %	20947					
7.5	7.500	7.496	-0.004	31480	0.0 %	31480					
10.0	10.000	10.003	0.003	42035	0.0 %	42035					

0
0
0
0
0
0
0
0
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0
0
0

SOP ID : M200.7-Trace Elements-22

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: 08/11/2025 Time : 12:55 Temp : 96 °C

End Digest Date: 08/11/2025 Time : 15:55 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *SL*

Supervisor Signature: *jepp*

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
08/11/25 16:55	<i>SL met dig</i>	<i>jepp / Met dig</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
PB169195BL	PBW195	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB169195BS	LCS195	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	2
Q2769-01	001-WILLETS-PT-BLVD(AUG)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q2769-04	002-35TH-AVE(AUG)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2785-01	WATER	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q2789-02	COMP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q2799-01	CC-071325-RW	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7
Q2811-02	EFF-WASTE WATER	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8
Q2811-02MS	EFF-WASTE WATERMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	10
Q2811-02MSD	EFF-WASTE WATERMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	11
Q2811-02DUP	EFF-WASTE WATERDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB169195 Worklist ID : 191200 Department : Digestion Date : 08-11-2025 12:22:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2769-01	001-WILLETTS-PT-BLVD(AUG)	Water	Metals Group 10	1:1 HNO3 to pH < 2	TULL01	D31	08/04/2025	200.7
Q2769-04	002-35TH-AVE(AUG)	Water	Metals Group 10	1:1 HNO3 to pH < 2	TULL01	D31	08/04/2025	200.7
Q2785-01	WATER	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	XINN01	D31	08/05/2025	200.7
Q2789-02	Comp	Water	Metals ICP-Group1	1:1 HNO3 to pH < 2	ARAM01	J21	08/06/2025	200.7
Q2799-01	CC-071325-RW	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	ENV160	D21	07/14/2025	200.7
Q2811-02	EFF-WASTE WATER	Water	Metals Group3	1:1 HNO3 to pH < 2	ARDM01	J21	08/08/2025	200.7

Date/Time 8/11/25 12:28
 Raw Sample Received by: gfp (Merdiq)
 Raw Sample Relinquished by: gfp (Merdiq)

Date/Time 8/11/25 13:00
 Raw Sample Received by: gfp (Merdiq)
 Raw Sample Relinquished by: gfp (Merdiq)

SOP ID : M245.1-Mercury-20

SDG No : N/A

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#1 2. N/A

Start Digest Date: 08/12/2025 Time : 13:50 Temp : 95 °C

End Digest Date: 08/12/2025 Time : 15:55 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#1

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 95°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86729
CCV	30mL	MP86731
CRA	30mL	MP86733
Blank Spike	0.48mL	MP86722
Matrix Spike	0.48mL	MP86722

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP86723
0.05 ppb	S0.05	30mL	MP86738
0.2 ppb	S0.2	30mL	MP86724
2.5 ppb	S2.5	30mL	MP86725
5.0 ppb	S5.0	30mL	MP86726
7.5 ppb	S7.5	30mL	MP86727
10.0 ppb	S10.0	30mL	MP86728
ICV	ICV	30mL	MP86729
ICB	ICB	30mL	MP86730
CCV	CCV	30mL	MP86731
CCB	CCB	30mL	MP86732
CRI	CRI	30mL	MP86733
CHK STD	CHK STD	30mL	MP86734

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/12/25 16:00	<i>[Signature]</i>	<i>[Signature]</i>
16:00	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB169219BL	PBW219	30	30	<2	N/A	1-1
PB169219BS	LCS219	30	30	<2	MP86722	2
Q2785-01MS	WATERMS	30	30	<2	MP86722	5
Q2785-01MSD	WATERMSD	30	30	<2	MP86722	6
Q2785-01DUP	WATERDUP	30	30	<2	N/A	4
Q2785-01	WATER	30	30	<2	N/A	3
Q2789-02	COMP	30	30	<2	N/A	7
Q2799-01	CC-071325-RW	30	30	<2	N/A	8

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB169219

Worklist ID : 191225

Department : Digestion

Date : 08-12-2025 13:39:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2785-01	WATER	Water	Mercury	1:1 HNO3 to pH < 2	XINN01	D31	08/05/2025	245.1
Q2789-02	Comp	Water	Mercury	1:1 HNO3 to pH < 2	ARAM01	J21	08/06/2025	245.1
Q2799-01	CC-071325-RW	Water	Mercury	1:1 HNO3 to pH < 2	ENV160	D21	07/14/2025	245.1

Date/Time

08/12/25 13:50

Raw Sample Received by:

Sismet dg

Raw Sample Relinquished by:

CC Cam

Date/Time

08/12/25 14:50

Raw Sample Received by:

CC Cam

Raw Sample Relinquished by:

Sismet dg

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136789

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard ICV Standard CCV Standard ICSA Standard CRI Standard LCS Standard Chk Standard	

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/12/25 10:39		Jaswal	OK
2	S1	S1	CAL2	08/12/25 10:44		Jaswal	OK
3	S2	S2	CAL3	08/12/25 10:48		Jaswal	OK
4	S3	S3	CAL4	08/12/25 10:52		Jaswal	OK
5	S4	S4	CAL5	08/12/25 10:56		Jaswal	OK
6	S5	S5	CAL6	08/12/25 11:00		Jaswal	OK
7	ICV01	ICV01	ICV	08/12/25 11:34		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/12/25 11:43		Jaswal	OK
9	ICB01	ICB01	ICB	08/12/25 11:48		Jaswal	OK
10	CRI01	CRI01	CRDL	08/12/25 11:56		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/12/25 12:00		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/12/25 12:06		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/12/25 12:10		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/12/25 12:15		Jaswal	OK
15	CCV01	CCV01	CCV	08/12/25 12:50		Jaswal	OK
16	CCB01	CCB01	CCB	08/12/25 12:54		Jaswal	OK
17	PB169195BL	PB169195BL	MB	08/12/25 12:58		Jaswal	OK
18	PB169195BS	PB169195BS	LCS	08/12/25 13:08		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136789

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard ICV Standard CCV Standard ICSA Standard CRI Standard LCS Standard Chk Standard	

19	Q2785-01	WATER	SAM	08/12/25 13:20		Jaswal	OK
20	Q2789-02	Comp	SAM	08/12/25 13:24		Jaswal	OK
21	Q2799-01	CC-071325-RW	SAM	08/12/25 13:28		Jaswal	OK
22	Q2811-02	EFF-WASTE WATER	SAM	08/12/25 13:32		Jaswal	OK
23	Q2811-02DUP	EFF-WASTE WATER	DUP	08/12/25 13:37		Jaswal	OK
24	Q2811-02L	EFF-WASTE WATER	SD	08/12/25 13:41		Jaswal	OK
25	Q2811-02MS	EFF-WASTE WATER	MS	08/12/25 13:46		Jaswal	OK
26	Q2811-02MSD	EFF-WASTE WATER	MSD	08/12/25 13:50		Jaswal	OK
27	CCV02	CCV02	CCV	08/12/25 14:27		Jaswal	OK
28	CCB02	CCB02	CCB	08/12/25 14:31		Jaswal	OK
29	Q2811-02A	EFF-WASTE WATER	PS	08/12/25 14:35		Jaswal	OK
30	Q2798-04	TP-6	SAM	08/12/25 14:40	NOT USE	Jaswal	Not Ok
31	Q2809-01	OR-03-08082025	SAM	08/12/25 15:50		Jaswal	OK
32	Q2828-01	POWDER	SAM	08/12/25 15:54		Jaswal	OK
33	Q2828-01DUP	POWDERDUP	DUP	08/12/25 15:58		Jaswal	OK
34	Q2828-01L	POWDERL	SD	08/12/25 16:03	Confirm	Jaswal	OK
35	CCV03	CCV03	CCV	08/12/25 16:07		Jaswal	OK
36	CCB03	CCB03	CCB	08/12/25 16:11		Jaswal	OK
37	Q2828-01MS	POWDERMS	MS	08/12/25 16:16		Jaswal	OK
38	Q2828-01MSD	POWDERMSD	MSD	08/12/25 16:21		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136789

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard	
ICV Standard	
CCV Standard	
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	

39	Q2828-01A	POWDERA	PS	08/12/25 16:25		Jaswal	OK
40	CCV04	CCV04	CCV	08/12/25 16:30		Jaswal	OK
41	CCB04	CCB04	CCB	08/12/25 16:34		Jaswal	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136791

Review By	sagar	Review On	8/12/2025 7:03:37 PM
Supervise By	jaswal	Supervise On	8/12/2025 11:49:19 PM

STD. NAME	STD REF.#
ICAL Standard	MP86723,MP86723,MP86738,MP86724,MP86725,MP86726,MP86727,MP86729
ICV Standard	MP86729
CCV Standard	MP86731
ICSA Standard	
CRI Standard	MP86733
LCS Standard	
Chk Standard	MP86730,MP86732,MP86734,MP86737

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/12/25 16:58		sagar	OK
2	S0.05	S0.05	CAL2	08/12/25 17:00		sagar	OK
3	S0.2	S0.2	CAL3	08/12/25 17:02		sagar	OK
4	S2.5	S2.5	CAL4	08/12/25 17:05		sagar	OK
5	S5	S5	CAL5	08/12/25 17:07		sagar	OK
6	S7.5	S7.5	CAL6	08/12/25 17:09		sagar	OK
7	S10	S10	CAL7	08/12/25 17:28		sagar	OK
8	ICV11	ICV11	ICV	08/12/25 17:35		sagar	OK
9	ICB11	ICB11	ICB	08/12/25 17:40		sagar	OK
10	CCV32	CCV32	CCV	08/12/25 17:42		sagar	OK
11	CCB32	CCB32	CCB	08/12/25 17:45		sagar	OK
12	CRA	CRA	CRDL	08/12/25 17:47		sagar	OK
13	HighStd	HighStd	HIGH STD	08/12/25 17:49		sagar	OK
14	ChkStd	ChkStd	SAM	08/12/25 17:51		sagar	OK
15	PB169219BL	PB169219BL	MB	08/12/25 17:57		sagar	OK
16	PB169219BS	PB169219BS	LCS	08/12/25 17:59		sagar	OK
17	Q2785-01	WATER	SAM	08/12/25 18:01		sagar	OK
18	Q2785-01DUP	WATERDUP	DUP	08/12/25 18:03		sagar	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136791

Review By	sagar	Review On	8/12/2025 7:03:37 PM
Supervise By	jaswal	Supervise On	8/12/2025 11:49:19 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86723,MP86723,MP86738,MP86724,MP86725,MP86726,MP86727,MP86729		
ICV Standard	MP86729		
CCV Standard	MP86731		
ICSA Standard			
CRI Standard	MP86733		
LCS Standard			
Chk Standard	MP86730,MP86732,MP86734,MP86737		

19	Q2785-01MS	WATERMS	MS	08/12/25 18:11		sagar	OK
20	Q2785-01MSD	WATERMSD	MSD	08/12/25 18:13		sagar	OK
21	Q2789-02	Comp	SAM	08/12/25 18:16		sagar	OK
22	CCV33	CCV33	CCV	08/12/25 18:18		sagar	OK
23	CCB33	CCB33	CCB	08/12/25 18:20		sagar	OK
24	Q2799-01	CC-071325-RW	SAM	08/12/25 18:23		sagar	OK
25	Q2785-01L	WATERL	SD	08/12/25 18:25		sagar	OK
26	Q2785-01A	WATERA	PS	08/12/25 18:27		sagar	OK
27	CCV34	CCV34	CCV	08/12/25 18:30		sagar	OK
28	CCB34	CCB34	CCB	08/12/25 18:32		sagar	OK



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2785

COC Number:

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

COMPANY: Xin Nie
ADDRESS: 522 23 St
CITY Union City STATE: NJ ZIP: 07087
ATTENTION: Xin Nie
PHONE: FAX:

PROJECT NAME:
PROJECT #: LOCATION:
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

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

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX: _____ DAYS*
HARD COPY: _____ DAYS*
EDD _____ DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

ANALYSIS

Metals									
	1	2	3	4	5	6	7	8	9

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Water			x			1	x									
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	DATE/TIME	RECEIVED BY	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>3.0</u> MeOH extraction requires an additional 4oz. Jar for percent solid Comments:					
1.		1.						
RELINQUISHED BY	DATE/TIME	RECEIVED BY						
2.		2.						
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY			SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight		<u>Shipment Complete</u>	
3.		3.	Page _____ of _____		ALLIANCE: ☐ Picked Up ☐ Overnight		☐ YES ☐ NO	

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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