

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:	Q3310	OrderDate:	10/8/2025 1:24:21 PM
Client:	Langan Engineering and Environmental Services, Inc	Project:	Con Edison Richmond Terrace
Contact:	Gregory DelMastro	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3310-01	SS-01-0-1	SOIL			10/07/25			10/08/25
			Mercury	7471B		10/09/25	10/09/25	
			Metals ICP-TAL	6010D		10/10/25	10/10/25	
Q3310-02	SS-01-1-2	SOIL			10/07/25			10/08/25
			Mercury	7471B		10/09/25	10/09/25	
			Metals ICP-TAL	6010D		10/10/25	10/10/25	
Q3310-03	SS-01-2-3	SOIL			10/07/25			10/08/25
			Mercury	7471B		10/09/25	10/09/25	
			Metals ICP-TAL	6010D		10/10/25	10/10/25	

Hit Summary Sheet
SW-846

SDG No.: Q3310 **Order ID:** Q3310
Client: Langan Engineering and Environmental Services, Inc **Project ID:** Con Edison Richmond Terrace

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SS-01-0-1								
Q3310-01	SS-01-0-1	SOIL	Aluminum	6470		1.23	7.29	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Arsenic	27.1		0.28	1.46	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Barium	230		1.06	7.29	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Beryllium	0.85		0.036	0.44	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Cadmium	1.08		0.035	0.44	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Calcium	6340		16.2	146	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Chromium	51.4		0.069	0.73	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Cobalt	12.0		0.15	2.19	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Copper	108		0.32	1.46	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Iron	40000		5.82	7.29	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Lead	137		0.19	0.88	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Magnesium	8430		17.5	146	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Manganese	1140		0.20	1.46	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Mercury	3.05	D	0.10	0.18	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Nickel	147		0.19	2.92	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Potassium	1010		40.4	146	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Silver	1.15		0.18	0.73	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Sodium	3200		26.0	146	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Vanadium	483		0.37	2.92	mg/Kg
Q3310-01	SS-01-0-1	SOIL	Zinc	392		0.34	2.92	mg/Kg
Client ID : SS-01-1-2								
Q3310-02	SS-01-1-2	SOIL	Aluminum	7490		0.99	5.90	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Arsenic	29.0		0.22	1.18	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Barium	205		0.86	5.90	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Beryllium	0.75		0.030	0.35	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Cadmium	0.77		0.028	0.35	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Calcium	6450		13.1	118	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Chromium	44.7		0.055	0.59	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Cobalt	13.8		0.12	1.77	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Copper	233		0.26	1.18	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Iron	22300		4.71	5.90	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Lead	221		0.15	0.71	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Magnesium	11700		14.2	118	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Manganese	578		0.17	1.18	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Mercury	2.26	D	0.051	0.091	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Nickel	279		0.15	2.36	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Potassium	1090		32.7	118	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3310

Order ID: Q3310

Client: Langan Engineering and Environmental Services, Inc

Project ID: Con Edison Richmond Terrace

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3310-02	SS-01-1-2	SOIL	Silver	0.54	J	0.14	0.59	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Sodium	3240		21.0	118	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Vanadium	644		0.30	2.36	mg/Kg
Q3310-02	SS-01-1-2	SOIL	Zinc	573		0.27	2.36	mg/Kg
Client ID : SS-01-2-3								
Q3310-03	SS-01-2-3	SOIL	Aluminum	5350		0.93	5.53	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Antimony	5.27		0.24	2.76	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Arsenic	182		0.21	1.11	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Barium	116		0.81	5.53	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Beryllium	1.14		0.028	0.33	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Cadmium	1.18		0.027	0.33	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Calcium	3460		12.3	111	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Chromium	31.5		0.052	0.55	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Cobalt	9.34		0.11	1.66	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Copper	594		0.24	1.11	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Iron	54000		4.41	5.53	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Lead	657		0.14	0.66	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Magnesium	4340		13.3	111	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Manganese	1050		0.16	1.11	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Mercury	1.95	D	0.045	0.080	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Nickel	74.0		0.14	2.21	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Potassium	1210		30.6	111	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Silver	2.19	D	0.27	1.11	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Sodium	1540		19.7	111	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Vanadium	204		0.28	2.21	mg/Kg
Q3310-03	SS-01-2-3	SOIL	Zinc	332		0.25	2.21	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1	SDG No.:	Q3310
Lab Sample ID:	Q3310-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	65.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6470		1	1.23	7.29	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-36-0	Antimony	0.32	UN	1	0.32	3.65	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-38-2	Arsenic	27.1		1	0.28	1.46	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-39-3	Barium	230		1	1.06	7.29	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-41-7	Beryllium	0.85		1	0.036	0.44	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-43-9	Cadmium	1.08		1	0.035	0.44	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-70-2	Calcium	6340		1	16.2	146	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-47-3	Chromium	51.4		1	0.069	0.73	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-48-4	Cobalt	12.0		1	0.15	2.19	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-50-8	Copper	108	N	1	0.32	1.46	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7439-89-6	Iron	40000		1	5.82	7.29	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7439-92-1	Lead	137		1	0.19	0.88	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7439-95-4	Magnesium	8430		1	17.5	146	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7439-96-5	Manganese	1140		1	0.20	1.46	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7439-97-6	Mercury	3.05	DN	10	0.10	0.18	mg/Kg	10/09/25 11:40	10/09/25 15:29	7471B	
7440-02-0	Nickel	147		1	0.19	2.92	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-09-7	Potassium	1010	N	1	40.4	146	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7782-49-2	Selenium	0.38	U	1	0.38	1.46	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-22-4	Silver	1.15		1	0.18	0.73	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-23-5	Sodium	3200	N	1	26.0	146	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-28-0	Thallium	0.34	U	1	0.34	2.92	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-62-2	Vanadium	483		1	0.37	2.92	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050
7440-66-6	Zinc	392		1	0.34	2.92	mg/Kg	10/10/25 10:10	10/10/25 14:44	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-1-2	SDG No.:	Q3310
Lab Sample ID:	Q3310-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	72.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7490		1	0.99	5.90	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-36-0	Antimony	0.26	UN	1	0.26	2.95	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-38-2	Arsenic	29.0		1	0.22	1.18	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-39-3	Barium	205		1	0.86	5.90	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-41-7	Beryllium	0.75		1	0.030	0.35	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-43-9	Cadmium	0.77		1	0.028	0.35	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-70-2	Calcium	6450		1	13.1	118	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-47-3	Chromium	44.7		1	0.055	0.59	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-48-4	Cobalt	13.8		1	0.12	1.77	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-50-8	Copper	233	N	1	0.26	1.18	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7439-89-6	Iron	22300		1	4.71	5.90	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7439-92-1	Lead	221		1	0.15	0.71	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7439-95-4	Magnesium	11700		1	14.2	118	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7439-96-5	Manganese	578		1	0.17	1.18	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7439-97-6	Mercury	2.26	DN	5	0.051	0.091	mg/Kg	10/09/25 11:40	10/09/25 15:35	7471B	
7440-02-0	Nickel	279		1	0.15	2.36	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-09-7	Potassium	1090	N	1	32.7	118	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7782-49-2	Selenium	0.31	U	1	0.31	1.18	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-22-4	Silver	0.54	J	1	0.14	0.59	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-23-5	Sodium	3240	N	1	21.0	118	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-28-0	Thallium	0.27	U	1	0.27	2.36	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-62-2	Vanadium	644		1	0.30	2.36	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050
7440-66-6	Zinc	573		1	0.27	2.36	mg/Kg	10/10/25 10:10	10/10/25 14:52	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-2-3	SDG No.:	Q3310
Lab Sample ID:	Q3310-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	75.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5350		1	0.93	5.53	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-36-0	Antimony	5.27	N	1	0.24	2.76	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-38-2	Arsenic	182		1	0.21	1.11	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-39-3	Barium	116		1	0.81	5.53	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-41-7	Beryllium	1.14		1	0.028	0.33	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-43-9	Cadmium	1.18		1	0.027	0.33	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-70-2	Calcium	3460		1	12.3	111	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-47-3	Chromium	31.5		1	0.052	0.55	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-48-4	Cobalt	9.34		1	0.11	1.66	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-50-8	Copper	594	N	1	0.24	1.11	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7439-89-6	Iron	54000		1	4.41	5.53	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7439-92-1	Lead	657		1	0.14	0.66	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7439-95-4	Magnesium	4340		1	13.3	111	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7439-96-5	Manganese	1050		1	0.16	1.11	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7439-97-6	Mercury	1.95	DN	5	0.045	0.080	mg/Kg	10/09/25 11:40	10/09/25 15:37	7471B	
7440-02-0	Nickel	74.0		1	0.14	2.21	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-09-7	Potassium	1210	N	1	30.6	111	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	1.11	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-22-4	Silver	2.19	D	2	0.27	1.11	mg/Kg	10/10/25 10:10	10/10/25 16:57	6010D	SW3050
7440-23-5	Sodium	1540	N	1	19.7	111	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.21	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-62-2	Vanadium	204		1	0.28	2.21	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050
7440-66-6	Zinc	332		1	0.25	2.21	mg/Kg	10/10/25 10:10	10/10/25 14:56	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	METALS-TAL			

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

J = Estimated Value
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 N =Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Langan Engineering and Environmental Services.

SDG No.: Q3310

Contract: LANG01

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
ICV65	Mercury	3.95	4.0	99	90 - 110	CV	10/09/2025	14:15	LB137478

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Langan Engineering and Environmental Services.

SDG No.: Q3310

Contract: LANG01

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
CCV10	Mercury	5.03	5.0	101	90 - 110	CV	10/09/2025	14:22	LB137478
CCV11	Mercury	4.76	5.0	95	90 - 110	CV	10/09/2025	14:59	LB137478
CCV12	Mercury	4.73	5.0	94	90 - 110	CV	10/09/2025	15:40	LB137478

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Langan Engineering and Environmental Services.

SDG No.: Q3310

Contract: LANG01

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	7540	8000	94	90 - 110	P	10/10/2025	11:52	LB137500
	Antimony	4010	4000	100	90 - 110	P	10/10/2025	11:52	LB137500
	Arsenic	3890	4000	97	90 - 110	P	10/10/2025	11:52	LB137500
	Barium	7750	8000	97	90 - 110	P	10/10/2025	11:52	LB137500
	Beryllium	196	200	98	90 - 110	P	10/10/2025	11:52	LB137500
	Cadmium	1940	2000	97	90 - 110	P	10/10/2025	11:52	LB137500
	Calcium	19500	20000	98	90 - 110	P	10/10/2025	11:52	LB137500
	Chromium	820	800	102	90 - 110	P	10/10/2025	11:52	LB137500
	Cobalt	1960	2000	98	90 - 110	P	10/10/2025	11:52	LB137500
	Copper	1000	1000	100	90 - 110	P	10/10/2025	11:52	LB137500
	Iron	4140	4000	104	90 - 110	P	10/10/2025	11:52	LB137500
	Lead	3810	4000	95	90 - 110	P	10/10/2025	11:52	LB137500
	Magnesium	19400	20000	97	90 - 110	P	10/10/2025	11:52	LB137500
	Manganese	1930	2000	96	90 - 110	P	10/10/2025	11:52	LB137500
	Nickel	1970	2000	99	90 - 110	P	10/10/2025	11:52	LB137500
	Potassium	20300	20000	102	90 - 110	P	10/10/2025	11:52	LB137500
	Selenium	3900	4000	98	90 - 110	P	10/10/2025	11:52	LB137500
	Silver	984	1000	98	90 - 110	P	10/10/2025	11:52	LB137500
	Sodium	20000	20000	100	90 - 110	P	10/10/2025	11:52	LB137500
	Thallium	3730	4000	93	90 - 110	P	10/10/2025	11:52	LB137500
	Vanadium	1940	2000	97	90 - 110	P	10/10/2025	11:52	LB137500
	Zinc	2030	2000	101	90 - 110	P	10/10/2025	11:52	LB137500

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Langan Engineering and Environmental Services.

SDG No.: Q3310

Contract: LANG01

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	91.1	100	91	80 - 120	P	10/10/2025	12:00	LB137500
	Antimony	52.2	50.0	104	80 - 120	P	10/10/2025	12:00	LB137500
	Arsenic	20.8	20.0	104	80 - 120	P	10/10/2025	12:00	LB137500
	Barium	106	100	106	80 - 120	P	10/10/2025	12:00	LB137500
	Beryllium	6.30	6.0	105	80 - 120	P	10/10/2025	12:00	LB137500
	Cadmium	5.95	6.0	99	80 - 120	P	10/10/2025	12:00	LB137500
	Calcium	2080	2000	104	80 - 120	P	10/10/2025	12:00	LB137500
	Chromium	10.8	10.0	108	80 - 120	P	10/10/2025	12:00	LB137500
	Cobalt	30.1	30.0	100	80 - 120	P	10/10/2025	12:00	LB137500
	Copper	22.5	20.0	112	80 - 120	P	10/10/2025	12:00	LB137500
	Iron	118	100	118	80 - 120	P	10/10/2025	12:00	LB137500
	Lead	12.6	12.0	105	80 - 120	P	10/10/2025	12:00	LB137500
	Magnesium	2180	2000	109	80 - 120	P	10/10/2025	12:00	LB137500
	Manganese	20.6	20.0	103	80 - 120	P	10/10/2025	12:00	LB137500
	Nickel	40.7	40.0	102	80 - 120	P	10/10/2025	12:00	LB137500
	Potassium	2110	2000	105	80 - 120	P	10/10/2025	12:00	LB137500
	Selenium	19.3	20.0	96	80 - 120	P	10/10/2025	12:00	LB137500
	Silver	10.7	10.0	107	80 - 120	P	10/10/2025	12:00	LB137500
	Sodium	2150	2000	108	80 - 120	P	10/10/2025	12:00	LB137500
	Thallium	41.3	40.0	103	80 - 120	P	10/10/2025	12:00	LB137500
	Vanadium	39.0	40.0	98	80 - 120	P	10/10/2025	12:00	LB137500
	Zinc	46.5	40.0	116	80 - 120	P	10/10/2025	12:00	LB137500

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Langan Engineering and Environmental Services.

SDG No.: Q3310

Contract: LANG01

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	9770	10000	98	90 - 110	P	10/10/2025	12:52	LB137500
	Antimony	4920	5000	98	90 - 110	P	10/10/2025	12:52	LB137500
	Arsenic	4910	5000	98	90 - 110	P	10/10/2025	12:52	LB137500
	Barium	9650	10000	96	90 - 110	P	10/10/2025	12:52	LB137500
	Beryllium	255	250	102	90 - 110	P	10/10/2025	12:52	LB137500
	Cadmium	2440	2500	98	90 - 110	P	10/10/2025	12:52	LB137500
	Calcium	25000	25000	100	90 - 110	P	10/10/2025	12:52	LB137500
	Chromium	1000	1000	100	90 - 110	P	10/10/2025	12:52	LB137500
	Cobalt	2430	2500	97	90 - 110	P	10/10/2025	12:52	LB137500
	Copper	1230	1250	98	90 - 110	P	10/10/2025	12:52	LB137500
	Iron	4810	5000	96	90 - 110	P	10/10/2025	12:52	LB137500
	Lead	4860	5000	97	90 - 110	P	10/10/2025	12:52	LB137500
	Magnesium	24400	25000	98	90 - 110	P	10/10/2025	12:52	LB137500
	Manganese	2430	2500	97	90 - 110	P	10/10/2025	12:52	LB137500
	Nickel	2440	2500	97	90 - 110	P	10/10/2025	12:52	LB137500
	Potassium	23600	25000	94	90 - 110	P	10/10/2025	12:52	LB137500
	Selenium	4900	5000	98	90 - 110	P	10/10/2025	12:52	LB137500
	Silver	1240	1250	99	90 - 110	P	10/10/2025	12:52	LB137500
	Sodium	22900	25000	92	90 - 110	P	10/10/2025	12:52	LB137500
	Thallium	4810	5000	96	90 - 110	P	10/10/2025	12:52	LB137500
	Vanadium	2460	2500	98	90 - 110	P	10/10/2025	12:52	LB137500
	Zinc	2510	2500	100	90 - 110	P	10/10/2025	12:52	LB137500
CCV02	Aluminum	9590	10000	96	90 - 110	P	10/10/2025	14:04	LB137500
	Antimony	5060	5000	101	90 - 110	P	10/10/2025	14:04	LB137500
	Arsenic	5000	5000	100	90 - 110	P	10/10/2025	14:04	LB137500
	Barium	9440	10000	94	90 - 110	P	10/10/2025	14:04	LB137500
	Beryllium	235	250	94	90 - 110	P	10/10/2025	14:04	LB137500
	Cadmium	2400	2500	96	90 - 110	P	10/10/2025	14:04	LB137500
	Calcium	24100	25000	96	90 - 110	P	10/10/2025	14:04	LB137500
	Chromium	983	1000	98	90 - 110	P	10/10/2025	14:04	LB137500
	Cobalt	2410	2500	96	90 - 110	P	10/10/2025	14:04	LB137500
	Copper	1230	1250	98	90 - 110	P	10/10/2025	14:04	LB137500
	Iron	4980	5000	100	90 - 110	P	10/10/2025	14:04	LB137500
	Lead	4810	5000	96	90 - 110	P	10/10/2025	14:04	LB137500

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Langan Engineering and Environmental Services.

SDG No.: Q3310

Contract: LANG01

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	23800	25000	95	90 - 110	P	10/10/2025	14:04	LB137500
	Manganese	2340	2500	94	90 - 110	P	10/10/2025	14:04	LB137500
	Nickel	2410	2500	96	90 - 110	P	10/10/2025	14:04	LB137500
	Potassium	24600	25000	98	90 - 110	P	10/10/2025	14:04	LB137500
	Selenium	5050	5000	101	90 - 110	P	10/10/2025	14:04	LB137500
	Silver	1240	1250	99	90 - 110	P	10/10/2025	14:04	LB137500
	Sodium	24100	25000	96	90 - 110	P	10/10/2025	14:04	LB137500
	Thallium	4750	5000	95	90 - 110	P	10/10/2025	14:04	LB137500
	Vanadium	2420	2500	97	90 - 110	P	10/10/2025	14:04	LB137500
	Zinc	2490	2500	100	90 - 110	P	10/10/2025	14:04	LB137500
CCV03	Aluminum	10100	10000	101	90 - 110	P	10/10/2025	15:37	LB137500
	Antimony	5040	5000	101	90 - 110	P	10/10/2025	15:37	LB137500
	Arsenic	4960	5000	99	90 - 110	P	10/10/2025	15:37	LB137500
	Barium	9930	10000	99	90 - 110	P	10/10/2025	15:37	LB137500
	Beryllium	239	250	96	90 - 110	P	10/10/2025	15:37	LB137500
	Cadmium	2460	2500	98	90 - 110	P	10/10/2025	15:37	LB137500
	Calcium	24400	25000	98	90 - 110	P	10/10/2025	15:37	LB137500
	Chromium	1010	1000	101	90 - 110	P	10/10/2025	15:37	LB137500
	Cobalt	2480	2500	99	90 - 110	P	10/10/2025	15:37	LB137500
	Copper	1260	1250	101	90 - 110	P	10/10/2025	15:37	LB137500
	Iron	5170	5000	103	90 - 110	P	10/10/2025	15:37	LB137500
	Lead	4900	5000	98	90 - 110	P	10/10/2025	15:37	LB137500
	Magnesium	24800	25000	99	90 - 110	P	10/10/2025	15:37	LB137500
	Manganese	2450	2500	98	90 - 110	P	10/10/2025	15:37	LB137500
	Nickel	2470	2500	99	90 - 110	P	10/10/2025	15:37	LB137500
	Potassium	25900	25000	104	90 - 110	P	10/10/2025	15:37	LB137500
	Selenium	4950	5000	99	90 - 110	P	10/10/2025	15:37	LB137500
	Silver	1260	1250	101	90 - 110	P	10/10/2025	15:37	LB137500
	Sodium	25700	25000	103	90 - 110	P	10/10/2025	15:37	LB137500
	Thallium	4890	5000	98	90 - 110	P	10/10/2025	15:37	LB137500
	Vanadium	2500	2500	100	90 - 110	P	10/10/2025	15:37	LB137500
	Zinc	2500	2500	100	90 - 110	P	10/10/2025	15:37	LB137500
CCV04	Aluminum	10500	10000	105	90 - 110	P	10/10/2025	16:29	LB137500
	Antimony	5320	5000	106	90 - 110	P	10/10/2025	16:29	LB137500

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Langan Engineering and Environmental Services.

SDG No.: Q3310

Contract: LANG01

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	5210	5000	104	90 - 110	P	10/10/2025	16:29	LB137500
	Barium	10800	10000	108	90 - 110	P	10/10/2025	16:29	LB137500
	Beryllium	265	250	106	90 - 110	P	10/10/2025	16:29	LB137500
	Cadmium	2580	2500	103	90 - 110	P	10/10/2025	16:29	LB137500
	Calcium	26200	25000	105	90 - 110	P	10/10/2025	16:29	LB137500
	Chromium	1050	1000	105	90 - 110	P	10/10/2025	16:29	LB137500
	Cobalt	2620	2500	105	90 - 110	P	10/10/2025	16:29	LB137500
	Copper	1320	1250	106	90 - 110	P	10/10/2025	16:29	LB137500
	Iron	5410	5000	108	90 - 110	P	10/10/2025	16:29	LB137500
	Lead	5150	5000	103	90 - 110	P	10/10/2025	16:29	LB137500
	Magnesium	26000	25000	104	90 - 110	P	10/10/2025	16:29	LB137500
	Manganese	2680	2500	107	90 - 110	P	10/10/2025	16:29	LB137500
	Nickel	2600	2500	104	90 - 110	P	10/10/2025	16:29	LB137500
	Potassium	26300	25000	105	90 - 110	P	10/10/2025	16:29	LB137500
	Selenium	5230	5000	105	90 - 110	P	10/10/2025	16:29	LB137500
	Silver	1330	1250	107	90 - 110	P	10/10/2025	16:29	LB137500
	Sodium	26500	25000	106	90 - 110	P	10/10/2025	16:29	LB137500
	Thallium	5410	5000	108	90 - 110	P	10/10/2025	16:29	LB137500
	Vanadium	2650	2500	106	90 - 110	P	10/10/2025	16:29	LB137500
	Zinc	2650	2500	106	90 - 110	P	10/10/2025	16:29	LB137500
CCV05	Aluminum	10200	10000	102	90 - 110	P	10/10/2025	17:04	LB137500
	Antimony	5240	5000	105	90 - 110	P	10/10/2025	17:04	LB137500
	Arsenic	5090	5000	102	90 - 110	P	10/10/2025	17:04	LB137500
	Barium	10400	10000	104	90 - 110	P	10/10/2025	17:04	LB137500
	Beryllium	244	250	98	90 - 110	P	10/10/2025	17:04	LB137500
	Cadmium	2530	2500	101	90 - 110	P	10/10/2025	17:04	LB137500
	Calcium	24600	25000	98	90 - 110	P	10/10/2025	17:04	LB137500
	Chromium	1010	1000	100	90 - 110	P	10/10/2025	17:04	LB137500
	Cobalt	2570	2500	103	90 - 110	P	10/10/2025	17:04	LB137500
	Copper	1300	1250	104	90 - 110	P	10/10/2025	17:04	LB137500
	Iron	5240	5000	105	90 - 110	P	10/10/2025	17:04	LB137500
	Lead	5050	5000	101	90 - 110	P	10/10/2025	17:04	LB137500
	Magnesium	25000	25000	100	90 - 110	P	10/10/2025	17:04	LB137500
	Manganese	2560	2500	102	90 - 110	P	10/10/2025	17:04	LB137500

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Langan Engineering and Environmental Services.

SDG No.: Q3310

Contract: LANG01

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
CCV05	Nickel	2550	2500	102	90 - 110	P	10/10/2025	17:04	LB137500
	Potassium	25700	25000	103	90 - 110	P	10/10/2025	17:04	LB137500
	Selenium	5140	5000	103	90 - 110	P	10/10/2025	17:04	LB137500
	Silver	1270	1250	102	90 - 110	P	10/10/2025	17:04	LB137500
	Sodium	26100	25000	104	90 - 110	P	10/10/2025	17:04	LB137500
	Thallium	5430	5000	109	90 - 110	P	10/10/2025	17:04	LB137500
	Vanadium	2550	2500	102	90 - 110	P	10/10/2025	17:04	LB137500
	Zinc	2520	2500	101	90 - 110	P	10/10/2025	17:04	LB137500



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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3310

Contract: LANG01

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
CRA	Mercury	0.18	0.2	92	70 - 130	CV	10/09/2025	14:30	LB137478
CRI01	Aluminum	112	100	112	65 - 135	P	10/10/2025	12:15	LB137500
	Antimony	49.2	50.0	98	65 - 135	P	10/10/2025	12:15	LB137500
	Arsenic	19.3	20.0	97	65 - 135	P	10/10/2025	12:15	LB137500
	Barium	98.1	100	98	65 - 135	P	10/10/2025	12:15	LB137500
	Beryllium	6.45	6.0	108	65 - 135	P	10/10/2025	12:15	LB137500
	Cadmium	5.79	6.0	97	65 - 135	P	10/10/2025	12:15	LB137500
	Calcium	2050	2000	102	65 - 135	P	10/10/2025	12:15	LB137500
	Chromium	10.4	10.0	104	65 - 135	P	10/10/2025	12:15	LB137500
	Cobalt	29.4	30.0	98	65 - 135	P	10/10/2025	12:15	LB137500
	Copper	21.8	20.0	109	65 - 135	P	10/10/2025	12:15	LB137500
	Iron	102	100	102	65 - 135	P	10/10/2025	12:15	LB137500
	Lead	11.9	12.0	100	65 - 135	P	10/10/2025	12:15	LB137500
	Magnesium	2080	2000	104	65 - 135	P	10/10/2025	12:15	LB137500
	Manganese	19.3	20.0	96	65 - 135	P	10/10/2025	12:15	LB137500
	Nickel	39.9	40.0	100	65 - 135	P	10/10/2025	12:15	LB137500
	Potassium	1890	2000	94	65 - 135	P	10/10/2025	12:15	LB137500
	Selenium	19.9	20.0	100	65 - 135	P	10/10/2025	12:15	LB137500
	Silver	10.3	10.0	103	65 - 135	P	10/10/2025	12:15	LB137500
	Sodium	1850	2000	93	65 - 135	P	10/10/2025	12:15	LB137500
	Thallium	43.1	40.0	108	65 - 135	P	10/10/2025	12:15	LB137500
	Vanadium	41.5	40.0	104	65 - 135	P	10/10/2025	12:15	LB137500
	Zinc	44.9	40.0	112	65 - 135	P	10/10/2025	12:15	LB137500



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB65	Mercury	0.076	+/-0.2	U	0.20	CV	10/09/2025	14:20	LB137478

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Mercury	0.076	+/-0.2	U	0.20	CV	10/09/2025	14:27	LB137478
CCB11	Mercury	0.076	+/-0.2	U	0.20	CV	10/09/2025	15:04	LB137478
CCB12	Mercury	0.076	+/-0.2	U	0.20	CV	10/09/2025	15:45	LB137478

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	44.6	+/-50	J	100	P	10/10/2025	12:11	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	12:11	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	12:11	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	12:11	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	12:11	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	12:11	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	12:11	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	12:11	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	12:11	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	12:11	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	12:11	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	12:11	LB137500
	Magnesium	244	+/-1000	U	2000	P	10/10/2025	12:11	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	12:11	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	12:11	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	12:11	LB137500
	Selenium	9.64	+/-10	U	20.0	P	10/10/2025	12:11	LB137500
	Silver	1.62	+/-5	U	10.0	P	10/10/2025	12:11	LB137500
	Sodium	868	+/-1000	U	2000	P	10/10/2025	12:11	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	12:11	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	12:11	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	12:11	LB137500

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	12.8	+/-50	J	100	P	10/10/2025	12:57	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	12:57	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	12:57	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	12:57	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	12:57	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	12:57	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	12:57	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	12:57	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	12:57	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	12:57	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	12:57	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	12:57	LB137500
	Magnesium	244	+/-1000	U	2000	P	10/10/2025	12:57	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	12:57	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	12:57	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	12:57	LB137500
	Selenium	9.64	+/-10	U	20.0	P	10/10/2025	12:57	LB137500
	Silver	1.62	+/-5	U	10.0	P	10/10/2025	12:57	LB137500
	Sodium	868	+/-1000	U	2000	P	10/10/2025	12:57	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	12:57	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	12:57	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	12:57	LB137500
CCB02	Aluminum	15.0	+/-50	J	100	P	10/10/2025	14:10	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	14:10	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	14:10	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	14:10	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	14:10	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	14:10	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	14:10	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	14:10	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	14:10	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	14:10	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	14:10	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	14:10	LB137500
	Magnesium	244	+/-1000	U	2000	P	10/10/2025	14:10	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	14:10	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	14:10	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	14:10	LB137500
	Selenium	9.64	+/-10	U	20.0	P	10/10/2025	14:10	LB137500

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3310

Contract: LANG01

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	10/10/2025	14:10	LB137500
	Sodium	891	+/-1000	J	2000	P	10/10/2025	14:10	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	14:10	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	14:10	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	14:10	LB137500
CCB03	Aluminum	11.3	+/-50	U	100	P	10/10/2025	15:41	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	15:41	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	15:41	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	15:41	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	15:41	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	15:41	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	15:41	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	15:41	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	15:41	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	15:41	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	15:41	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	15:41	LB137500
	Magnesium	244	+/-1000	U	2000	P	10/10/2025	15:41	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	15:41	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	15:41	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	15:41	LB137500
	Selenium	9.64	+/-10	U	20.0	P	10/10/2025	15:41	LB137500
	Silver	1.62	+/-5	U	10.0	P	10/10/2025	15:41	LB137500
	Sodium	868	+/-1000	U	2000	P	10/10/2025	15:41	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	15:41	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	15:41	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	15:41	LB137500
CCB04	Aluminum	13.6	+/-50	J	100	P	10/10/2025	16:33	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	16:33	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	16:33	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	16:33	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	16:33	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	16:33	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	16:33	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	16:33	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	16:33	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	16:33	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	16:33	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	16:33	LB137500

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3310

Contract: LANG01

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	10/10/2025	16:33	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	16:33	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	16:33	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	16:33	LB137500
	Selenium	9.64	+/-10	U	20.0	P	10/10/2025	16:33	LB137500
	Silver	1.62	+/-5	U	10.0	P	10/10/2025	16:33	LB137500
	Sodium	868	+/-1000	U	2000	P	10/10/2025	16:33	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	16:33	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	16:33	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	16:33	LB137500
CCB05	Aluminum	11.3	+/-50	U	100	P	10/10/2025	17:08	LB137500
	Antimony	6.76	+/-25	U	50.0	P	10/10/2025	17:08	LB137500
	Arsenic	5.12	+/-10	U	20.0	P	10/10/2025	17:08	LB137500
	Barium	14.6	+/-50	U	100	P	10/10/2025	17:08	LB137500
	Beryllium	0.56	+/-3	U	6.00	P	10/10/2025	17:08	LB137500
	Cadmium	0.50	+/-3	U	6.00	P	10/10/2025	17:08	LB137500
	Calcium	234	+/-1000	U	2000	P	10/10/2025	17:08	LB137500
	Chromium	2.12	+/-5	U	10.0	P	10/10/2025	17:08	LB137500
	Cobalt	2.26	+/-15	U	30.0	P	10/10/2025	17:08	LB137500
	Copper	4.60	+/-10	U	20.0	P	10/10/2025	17:08	LB137500
	Iron	23.4	+/-50	U	100	P	10/10/2025	17:08	LB137500
	Lead	2.30	+/-6	U	12.0	P	10/10/2025	17:08	LB137500
	Magnesium	244	+/-1000	U	2000	P	10/10/2025	17:08	LB137500
	Manganese	5.94	+/-10	U	20.0	P	10/10/2025	17:08	LB137500
	Nickel	3.06	+/-20	U	40.0	P	10/10/2025	17:08	LB137500
	Potassium	918	+/-1000	U	2000	P	10/10/2025	17:08	LB137500
	Selenium	9.64	+/-10	U	20.0	P	10/10/2025	17:08	LB137500
	Silver	1.62	+/-5	U	10.0	P	10/10/2025	17:08	LB137500
	Sodium	868	+/-1000	U	2000	P	10/10/2025	17:08	LB137500
	Thallium	4.38	+/-20	U	40.0	P	10/10/2025	17:08	LB137500
	Vanadium	6.26	+/-20	U	40.0	P	10/10/2025	17:08	LB137500
	Zinc	16.7	+/-20	U	40.0	P	10/10/2025	17:08	LB137500

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Langan Engineering and Environmental Servic

SDG No.: Q3310

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170045BL		SOLID		Batch Number:	PB170045		Prep Date:	10/09/2025	
	Mercury	0.0080	<0.014	U	0.014	CV	10/09/2025	14:40	LB137478

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Langan Engineering and Environmental Servie

SDG No.: Q3310

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170058BL	SOLID			Batch Number:	PB170058		Prep Date:	10/10/2025	
	Aluminum	0.84	<2.5	U	5.00	P	10/10/2025	14:35	LB137500
	Antimony	0.22	<1.25	U	2.50	P	10/10/2025	14:35	LB137500
	Arsenic	0.19	<0.5	U	1.00	P	10/10/2025	14:35	LB137500
	Barium	0.73	<2.5	U	5.00	P	10/10/2025	14:35	LB137500
	Beryllium	0.025	<0.15	U	0.30	P	10/10/2025	14:35	LB137500
	Cadmium	0.024	<0.15	U	0.30	P	10/10/2025	14:35	LB137500
	Calcium	11.1	<50	U	100	P	10/10/2025	14:35	LB137500
	Chromium	0.047	<0.25	U	0.50	P	10/10/2025	14:35	LB137500
	Cobalt	0.10	<0.75	U	1.50	P	10/10/2025	14:35	LB137500
	Copper	0.22	<0.5	U	1.00	P	10/10/2025	14:35	LB137500
	Iron	3.99	<2.5	U	5.00	P	10/10/2025	14:35	LB137500
	Lead	0.13	<0.3	U	0.60	P	10/10/2025	14:35	LB137500
	Magnesium	12.0	<50	U	100	P	10/10/2025	14:35	LB137500
	Manganese	0.14	<0.5	U	1.00	P	10/10/2025	14:35	LB137500
	Nickel	0.13	<1	U	2.00	P	10/10/2025	14:35	LB137500
	Potassium	27.7	<50	U	100	P	10/10/2025	14:35	LB137500
	Selenium	0.26	<0.5	U	1.00	P	10/10/2025	14:35	LB137500
	Silver	0.12	<0.25	U	0.50	P	10/10/2025	14:35	LB137500
	Sodium	17.8	<50	U	100	P	10/10/2025	14:35	LB137500
	Thallium	0.23	<1	U	2.00	P	10/10/2025	14:35	LB137500
	Vanadium	0.25	<1	U	2.00	P	10/10/2025	14:35	LB137500
	Zinc	0.23	<1	U	2.00	P	10/10/2025	14:35	LB137500

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

ICS Source: EPA

Instrument ID: P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	252000	255000	99	216000	294000	10/10/2025	12:29	LB137500
	Antimony	0.92			-50	50	10/10/2025	12:29	LB137500
	Arsenic	5.57			-20	20	10/10/2025	12:29	LB137500
	Barium	4.33	6.0	72	-94	106	10/10/2025	12:29	LB137500
	Beryllium	1.56			-6	6	10/10/2025	12:29	LB137500
	Cadmium	1.46	1.0	146	-5	7	10/10/2025	12:29	LB137500
	Calcium	243000	245000	99	208000	282000	10/10/2025	12:29	LB137500
	Chromium	49.5	52.0	95	42	62	10/10/2025	12:29	LB137500
	Cobalt	1.26			-30	30	10/10/2025	12:29	LB137500
	Copper	-7.17	2.0	358	-18	22	10/10/2025	12:29	LB137500
	Iron	99700	101000	99	85600	116500	10/10/2025	12:29	LB137500
	Lead	-2.66			-12	12	10/10/2025	12:29	LB137500
	Magnesium	253000	255000	99	216000	294000	10/10/2025	12:29	LB137500
	Manganese	-1.90	7.0	27	-13	27	10/10/2025	12:29	LB137500
	Nickel	3.68	2.0	184	-38	42	10/10/2025	12:29	LB137500
	Potassium	-15.0			0	0	10/10/2025	12:29	LB137500
	Selenium	-4.74			-20	20	10/10/2025	12:29	LB137500
	Silver	1.17			-10	10	10/10/2025	12:29	LB137500
	Sodium	55.0			0	0	10/10/2025	12:29	LB137500
	Thallium	17.3			-40	40	10/10/2025	12:29	LB137500
	Vanadium	7.63			-40	40	10/10/2025	12:29	LB137500
	Zinc	-6.80			-40	40	10/10/2025	12:29	LB137500
ICSAB01	Aluminum	258000	247000	104	209000	285000	10/10/2025	12:33	LB137500
	Antimony	628	618	102	525	711	10/10/2025	12:33	LB137500
	Arsenic	111	104	107	88.4	120	10/10/2025	12:33	LB137500
	Barium	517	537	96	437	637	10/10/2025	12:33	LB137500
	Beryllium	518	495	105	420	570	10/10/2025	12:33	LB137500
	Cadmium	1030	972	106	826	1120	10/10/2025	12:33	LB137500
	Calcium	245000	235000	104	199000	271000	10/10/2025	12:33	LB137500
	Chromium	586	542	108	460	624	10/10/2025	12:33	LB137500
	Cobalt	521	476	110	404	548	10/10/2025	12:33	LB137500
	Copper	492	511	96	434	588	10/10/2025	12:33	LB137500
	Iron	107000	99300	108	84400	114500	10/10/2025	12:33	LB137500
	Lead	47.9	49.0	98	37	61	10/10/2025	12:33	LB137500
	Magnesium	258000	248000	104	210000	286000	10/10/2025	12:33	LB137500
	Manganese	499	507	98	430	584	10/10/2025	12:33	LB137500
	Nickel	1040	954	109	810	1100	10/10/2025	12:33	LB137500
	Potassium	-27.6			0	0	10/10/2025	12:33	LB137500
	Selenium	50.3	46.0	109	26	66	10/10/2025	12:33	LB137500
	Silver	222	201	110	170	232	10/10/2025	12:33	LB137500
	Sodium	113			0	0	10/10/2025	12:33	LB137500
	Thallium	113	108	105	68	148	10/10/2025	12:33	LB137500

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: Langan Engineering and Environmental Services, Ir

SDG No.: Q3310

Contract: LANG01

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	513	491	104	417	565	10/10/2025	12:33	LB137500
	Zinc	1090	952	114	809	1095	10/10/2025	12:33	LB137500



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Langan Engineering and Environmental Sei</u>	level: <u>low</u>	sdg no.: <u>Q3310</u>
contract: <u>LANG01</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3315-03</u>	client id: <u>72-11989MS</u>

Percent Solids for Sample: 96.2	Spiked ID: Q3315-03MS	Percent Solids for Spike Sample: 96.2
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Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.38		0.074		0.28	109		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Langan Engineering and Environmental Sei **level:** low **sdg no.:** Q3310
contract: LANG01 **lab code:** ACE
matrix: Solid **sample id:** Q3315-03 **client id:** 72-11989MSD
Percent Solids for Sample: 96.2 **Spiked ID:** Q3315-03MSD **Percent Solids for Spike Sample:** 96.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.47		0.074		0.26	151	N	CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Langan Engineering and Environmental Services **level:** low **sdg no.:** Q3310
contract: LANG01 **lab code:** ACE
matrix: Solid **sample id:** Q3322-01 **client id:** OR-02-100925MS
Percent Solids for Sample: 93 **Spiked ID:** Q3322-01MS **Percent Solids for Spike Sample:** 93

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	8120		8280		92.7	-175		P
Antimony	mg/Kg	75 - 125	15.7		2.40	U	37.1	42	N	P
Arsenic	mg/Kg	75 - 125	33.9		2.89		37.1	84		P
Barium	mg/Kg	75 - 125	43.6		35.7		9.3	86		P
Beryllium	mg/Kg	75 - 125	8.31		0.52		9.3	84		P
Cadmium	mg/Kg	75 - 125	9.62		0.46		9.3	99		P
Calcium	mg/Kg	75 - 125	5130		3470		46.3	3595		P
Chromium	mg/Kg	75 - 125	26.3		9.23		18.5	92		P
Cobalt	mg/Kg	75 - 125	17.2		7.47		9.3	105		P
Copper	mg/Kg	75 - 125	25.4		14.9		13.9	76		P
Iron	mg/Kg	75 - 125	14600		14000		140	451		P
Lead	mg/Kg	75 - 125	77.8		23.3		46.3	118		P
Magnesium	mg/Kg	75 - 125	3850		3290		92.7	604		P
Manganese	mg/Kg	75 - 125	227		238		9.3	-124		P
Nickel	mg/Kg	75 - 125	36.1		12.3		23.2	103		P
Potassium	mg/Kg	75 - 125	1230		636		460	129	N	P
Selenium	mg/Kg	75 - 125	71.2		0.96	U	92.7	77		P
Silver	mg/Kg	75 - 125	3.54		0.24	J	3.5	94		P
Sodium	mg/Kg	75 - 125	562		414		140	105		P
Thallium	mg/Kg	75 - 125	80.6		1.92	U	92.7	87		P
Vanadium	mg/Kg	75 - 125	35.8		25.1		13.9	77		P
Zinc	mg/Kg	75 - 125	43.1		34.6		9.3	91		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Langan Engineering and Environmental Services, Inc. **level:** low **sdg no.:** Q3310
contract: LANG01 **lab code:** ACE
matrix: Solid **sample id:** Q3322-01 **client id:** OR-02-100925MSD
Percent Solids for Sample: 93 **Spiked ID:** Q3322-01MSD **Percent Solids for Spike Sample:** 93

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	8270		8280		94.3	-13		P
Antimony	mg/Kg	75 - 125	19.0		2.40	U	37.7	50	N	P
Arsenic	mg/Kg	75 - 125	34.4		2.89		37.7	83		P
Barium	mg/Kg	75 - 125	43.9		35.7		9.4	88		P
Beryllium	mg/Kg	75 - 125	7.95		0.52		9.4	79		P
Cadmium	mg/Kg	75 - 125	9.49		0.46		9.4	96		P
Calcium	mg/Kg	75 - 125	4310		3470		47.2	1769		P
Chromium	mg/Kg	75 - 125	26.9		9.23		18.9	94		P
Cobalt	mg/Kg	75 - 125	16.8		7.47		9.4	99		P
Copper	mg/Kg	75 - 125	24.8		14.9		14.1	70	N	P
Iron	mg/Kg	75 - 125	15100		14000		140	773		P
Lead	mg/Kg	75 - 125	71.7		23.3		47.2	102		P
Magnesium	mg/Kg	75 - 125	3690		3290		94.3	420		P
Manganese	mg/Kg	75 - 125	223		238		9.4	-167		P
Nickel	mg/Kg	75 - 125	35.7		12.3		23.6	99		P
Potassium	mg/Kg	75 - 125	1250		636		470	130	N	P
Selenium	mg/Kg	75 - 125	72.5		0.96	U	94.3	77		P
Silver	mg/Kg	75 - 125	3.86		0.24	J	3.5	103		P
Sodium	mg/Kg	75 - 125	591		414		140	126	N	P
Thallium	mg/Kg	75 - 125	82.2		1.92	U	94.3	87		P
Vanadium	mg/Kg	75 - 125	36.1		25.1		14.1	78		P
Zinc	mg/Kg	75 - 125	41.8		34.6		9.4	77		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Langan Engineering and Environmental Sei **SDG No.:** Q3310
Contract: LANG01 **Lab Code:** ACE
Matrix: Solid **Level:** LOW **Client ID:** 72-11989A
Sample ID: Q3315-03 **Spiked ID:** Q3315-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.33		0.074		0.25	101		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	<u>Langan Engineering and Environmental Sei</u>	SDG No.:	<u>Q3310</u>
Contract:	<u>LANG01</u>	Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Level:	<u>LOW</u>
Sample ID:	<u>Q3322-01</u>	Client ID:	<u>OR-02-100925A</u>
	Spiked ID:	<u>Q3322-01A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	5.53		2.40	U	38.4	14	N	P
Copper	mg/Kg	75 - 125	19.2		14.9		14.4	30	N	P
Potassium	mg/Kg	75 - 125	817		636		480	38	N	P
Sodium	mg/Kg	75 - 125	514		414		140	71	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Langan Engineering and Environmental Sei **Level:** LOW **SDG No.:** Q3310
Contract: LANG01 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3315-03 **Client ID:** 72-11989DUP
Percent Solids for Sample: 96.2 **Duplicate ID** Q3315-03DUP **Percent Solids for Spike Sample:** 96.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.074		0.068		8		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Langan Engineering and Environmental Sei</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3310</u>
Contract:	<u>LANG01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3315-03MS</u>	Client ID:	<u>72-11989MSD</u>
Percent Solids for Sample:	96.2	Duplicate ID	Q3315-03MSD	Percent Solids for Spike Sample:	96.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.38		0.47		20		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Langan Engineering and Environmental Sei **Level:** LOW **SDG No.:** Q3310
Contract: LANG01 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3322-01 **Client ID:** OR-02-100925DUP
Percent Solids for Sample: 93 **Duplicate ID** Q3322-01DUP **Percent Solids for Spike Sample:** 93

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8280		8360		1		P
Antimony	mg/Kg	20	2.40	U	2.40	U			P
Arsenic	mg/Kg	20	2.89		2.99		3		P
Barium	mg/Kg	20	35.7		35.5		1		P
Beryllium	mg/Kg	20	0.52		0.52		1		P
Cadmium	mg/Kg	20	0.46		0.49		7		P
Calcium	mg/Kg	20	3470		3420		1		P
Chromium	mg/Kg	20	9.23		9.72		5		P
Cobalt	mg/Kg	20	7.47		7.76		4		P
Copper	mg/Kg	20	14.9		15.4		3		P
Iron	mg/Kg	20	14000		14600		4		P
Lead	mg/Kg	20	23.3		24.3		4		P
Magnesium	mg/Kg	20	3290		3310		1		P
Manganese	mg/Kg	20	238		233		2		P
Nickel	mg/Kg	20	12.3		12.7		3		P
Potassium	mg/Kg	20	636		682		7		P
Selenium	mg/Kg	20	0.96	U	0.96	U			P
Silver	mg/Kg	20	0.24	J	0.28	J	13		P
Sodium	mg/Kg	20	414		436		5		P
Thallium	mg/Kg	20	1.92	U	1.92	U			P
Vanadium	mg/Kg	20	25.1		25.2		0		P
Zinc	mg/Kg	20	34.6		35.1		1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Langan Engineering and Environmental Sei **Level:** LOW **SDG No.:** Q3310
Contract: LANG01 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3322-01MS **Client ID:** OR-02-100925MSD

Percent Solids for Sample: 93 **Duplicate ID** Q3322-01MSD **Percent Solids for Spike Sample:** 93

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8120		8270		2		P
Antimony	mg/Kg	20	15.7		19.0		19		P
Arsenic	mg/Kg	20	33.9		34.4		1		P
Barium	mg/Kg	20	43.6		43.9		1		P
Beryllium	mg/Kg	20	8.31		7.95		4		P
Cadmium	mg/Kg	20	9.62		9.49		1		P
Calcium	mg/Kg	20	5130		4310		17		P
Chromium	mg/Kg	20	26.3		26.9		2		P
Cobalt	mg/Kg	20	17.2		16.8		2		P
Copper	mg/Kg	20	25.4		24.8		2		P
Iron	mg/Kg	20	14600		15100		3		P
Lead	mg/Kg	20	77.8		71.7		8		P
Magnesium	mg/Kg	20	3850		3690		4		P
Manganese	mg/Kg	20	227		223		2		P
Nickel	mg/Kg	20	36.1		35.7		1		P
Potassium	mg/Kg	20	1230		1250		2		P
Selenium	mg/Kg	20	71.2		72.5		2		P
Silver	mg/Kg	20	3.54		3.86		9		P
Sodium	mg/Kg	20	562		591		5		P
Thallium	mg/Kg	20	80.6		82.2		2		P
Vanadium	mg/Kg	20	35.8		36.1		1		P
Zinc	mg/Kg	20	43.1		41.8		3		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Langan Engineering and Environmental Sci

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170045BS Mercury	mg/Kg	0.28	0.34		120	80 - 120	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Langan Engineering and Environmental Sei

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170058BS							
Aluminum	mg/Kg	100	96.5		96	80 - 120	P
Antimony	mg/Kg	40.0	40.7		102	80 - 120	P
Arsenic	mg/Kg	40.0	38.5		96	80 - 120	P
Barium	mg/Kg	10.0	9.35		94	80 - 120	P
Beryllium	mg/Kg	10.0	9.04		90	80 - 120	P
Cadmium	mg/Kg	10.0	9.22		92	80 - 120	P
Calcium	mg/Kg	50.0	45.8	J	92	80 - 120	P
Chromium	mg/Kg	20.0	20.1		100	80 - 120	P
Cobalt	mg/Kg	10.0	9.53		95	80 - 120	P
Copper	mg/Kg	15.0	15.1		101	80 - 120	P
Iron	mg/Kg	150	165		110	80 - 120	P
Lead	mg/Kg	50.0	46.3		93	80 - 120	P
Magnesium	mg/Kg	100	97.0	J	97	80 - 120	P
Manganese	mg/Kg	10.0	9.47		95	80 - 120	P
Nickel	mg/Kg	25.0	23.9		96	80 - 120	P
Potassium	mg/Kg	500	547		109	80 - 120	P
Selenium	mg/Kg	100	97.2		97	80 - 120	P
Silver	mg/Kg	3.8	3.85		101	80 - 120	P
Sodium	mg/Kg	150	169		113	80 - 120	P
Thallium	mg/Kg	100	81.6		82	80 - 120	P
Vanadium	mg/Kg	15.0	14.5		97	80 - 120	P
Zinc	mg/Kg	10.0	10.5		105	80 - 120	P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

72-11989L

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE **Lb No.:** lb137478

Lab Sample ID : Q3315-03L **SDG No.:** Q3310

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.074	0.090	22		CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

OR-02-100925L

Lab Name: Alliance **Contract:** LANG01
Lab Code: ACE **Lb No.:** lb137500 **Lab Sample ID :** Q3322-01L **SDG No.:** Q3310
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
	C		C				
Aluminum	8280		9200		11		P
Antimony	2.40	U	12.0	U			P
Arsenic	2.89		2.60	J	10		P
Barium	35.7		38.5		8		P
Beryllium	0.52		0.64	J	23		P
Cadmium	0.46		1.44	U	100.0		P
Calcium	3470		3950		14		P
Chromium	9.23		10.9		18		P
Cobalt	7.47		7.13	J	4		P
Copper	14.9		17.7		19		P
Iron	14000		16200		16		P
Lead	23.3		23.6		1		P
Magnesium	3290		3730		13		P
Manganese	238		267		12		P
Nickel	12.3		12.0		2		P
Potassium	636		771		21		P
Selenium	0.96	U	4.80	U			P
Silver	0.24	J	2.40	U	100.0		P
Sodium	414		455	J	10		P
Thallium	1.92	U	9.60	U			P
Vanadium	25.1		29.1		16		P
Zinc	34.6		39.5		14		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Langan Engineering and Environmental Sei

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Langan Engineering and Environmental Sei

SDG No.: Q3310

Contract: LANG01

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 INTERELEMENT CORRECTION FACTORS

Client: Langan Engineering and Environmental Sei

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
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 INTERELEMEN CORRECTION FACTORS

Client: Langan Engineering and Environmental Sei

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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 INTERELEMEN CORRECTION FACTORS

Client: Langan Engineering and Environmental Sei

SDG No.: Q3310

Contract: LANG01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
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: Langan Engineering and Environmental Services, Inc. **SDG No.:** Q3310
Contract: LANG01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB170045							
PB170045BL	PB170045BL	MB	SOLID	10/09/2025	0.50	35.0	100.00
PB170045BS	PB170045BS	LCS	SOLID	10/09/2025	0.50	35.0	100.00
Q3310-01	SS-01-0-1	SAM	SOLID	10/09/2025	0.59	35.0	65.30
Q3310-02	SS-01-1-2	SAM	SOLID	10/09/2025	0.53	35.0	72.40
Q3310-03	SS-01-2-3	SAM	SOLID	10/09/2025	0.58	35.0	75.10
Q3315-03DUP	72-11989DUP	DUP	SOLID	10/09/2025	0.56	35.0	96.20
Q3315-03MS	72-11989MS	MS	SOLID	10/09/2025	0.52	35.0	96.20
Q3315-03MSD	72-11989MSD	MSD	SOLID	10/09/2025	0.56	35.0	96.20

Metals

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SAMPLE PREPARATION SUMMARY

Client: Langan Engineering and Environmental Services, Inc. **SDG No.:** Q3310

Contract: LANG01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB170058							
PB170058BL	PB170058BL	MB	SOLID	10/10/2025	2.00	100.0	100.00
PB170058BS	PB170058BS	LCS	SOLID	10/10/2025	2.00	100.0	100.00
Q3310-01	SS-01-0-1	SAM	SOLID	10/10/2025	2.10	100.0	65.30
Q3310-02	SS-01-1-2	SAM	SOLID	10/10/2025	2.34	100.0	72.40
Q3310-03	SS-01-2-3	SAM	SOLID	10/10/2025	2.41	100.0	75.10
Q3322-01DUP	OR-02-100925DUP	DUP	SOLID	10/10/2025	2.24	100.0	93.00
Q3322-01MS	OR-02-100925MS	MS	SOLID	10/10/2025	2.32	100.0	93.00
Q3322-01MSD	OR-02-100925MSD	MSD	SOLID	10/10/2025	2.28	100.0	93.00

metals
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ANALYSIS RUN LOG

Client: Langan Engineering and Environmental Sei

Contract: LANG01

Lab code: ACE

Sdg no.: Q3310

Instrument id number: _____

Method: _____

Run number: LB137478

Start date: 10/09/2025

End date: 10/09/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1333	HG
S0.2	S0.2	1	1336	HG
S2.5	S2.5	1	1338	HG
S5	S5	1	1340	HG
S7.5	S7.5	1	1352	HG
S10	S10	1	1409	HG
ICV65	ICV65	1	1415	HG
ICB65	ICB65	1	1420	HG
CCV10	CCV10	1	1422	HG
CCB10	CCB10	1	1427	HG
CRA	CRA	1	1430	HG
PB170045BL	PB170045BL	1	1440	HG
PB170045BS	PB170045BS	1	1442	HG
CCV11	CCV11	1	1459	HG
CCB11	CCB11	1	1504	HG
Q3315-03DUP	72-11989DUP	1	1507	HG
Q3315-03MS	72-11989MS	1	1509	HG
Q3315-03MSD	72-11989MSD	1	1511	HG
Q3315-03L	72-11989L	5	1521	HG
Q3315-03A	72-11989A	1	1527	HG
Q3310-01	SS-01-0-1	10	1529	HG
Q3310-02	SS-01-1-2	5	1535	HG
Q3310-03	SS-01-2-3	5	1537	HG
CCV12	CCV12	1	1540	HG
CCB12	CCB12	1	1545	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: Langan Engineering and Environmental Sei

Contract: LANG01

Lab code: ACE

Sdg no.: Q3310

Instrument id number: _____

Method: _____

Run number: LB137500

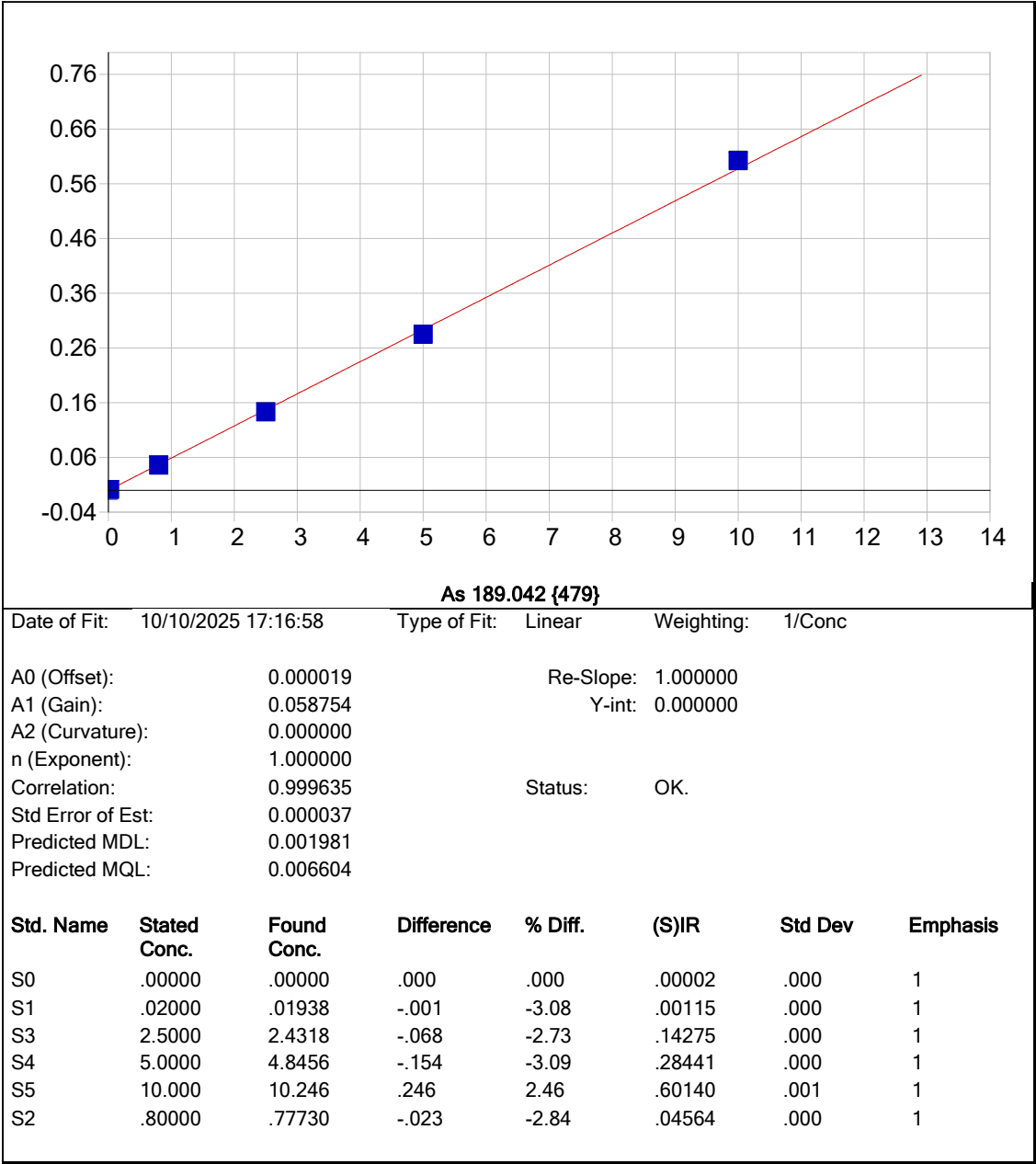
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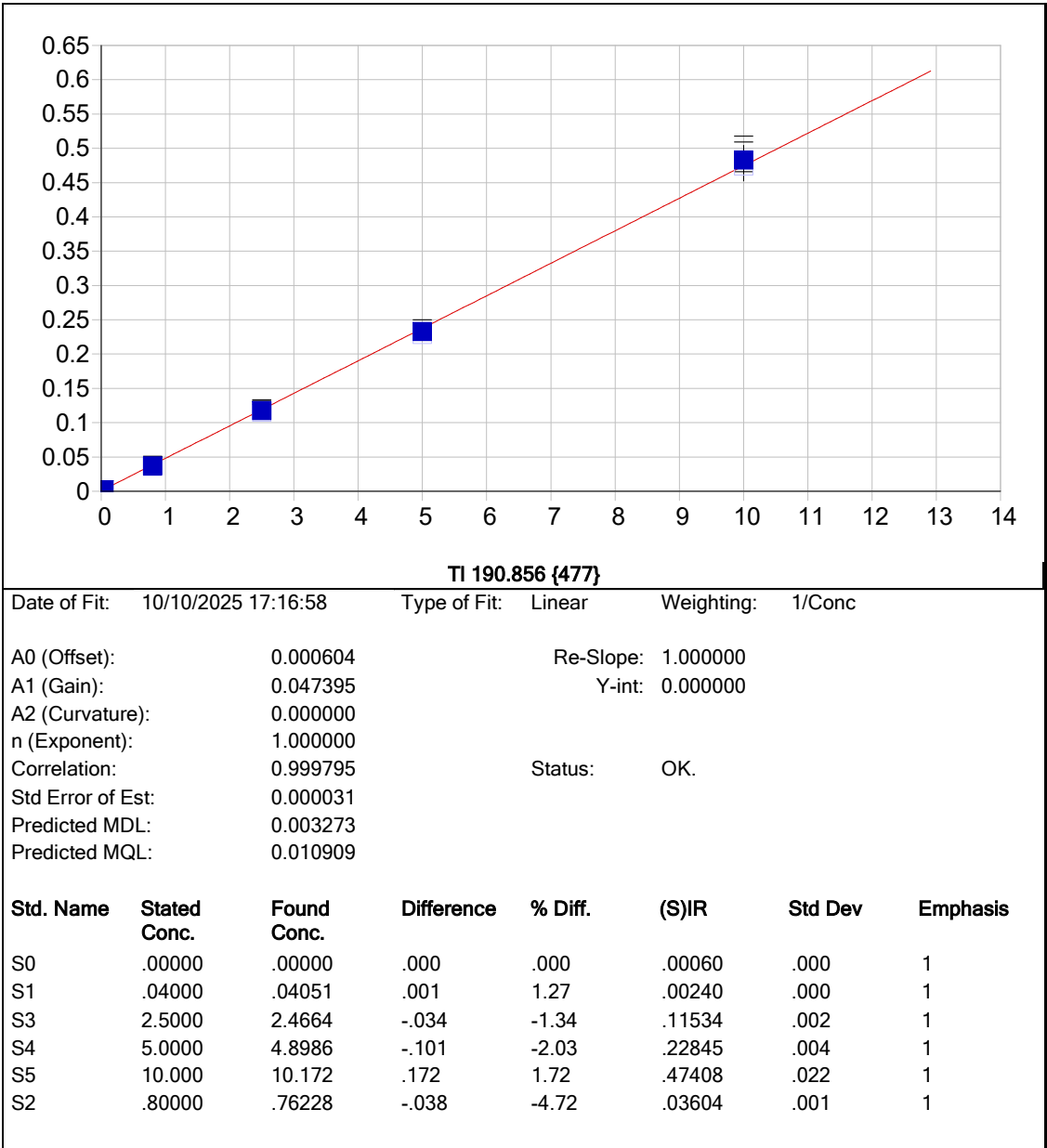
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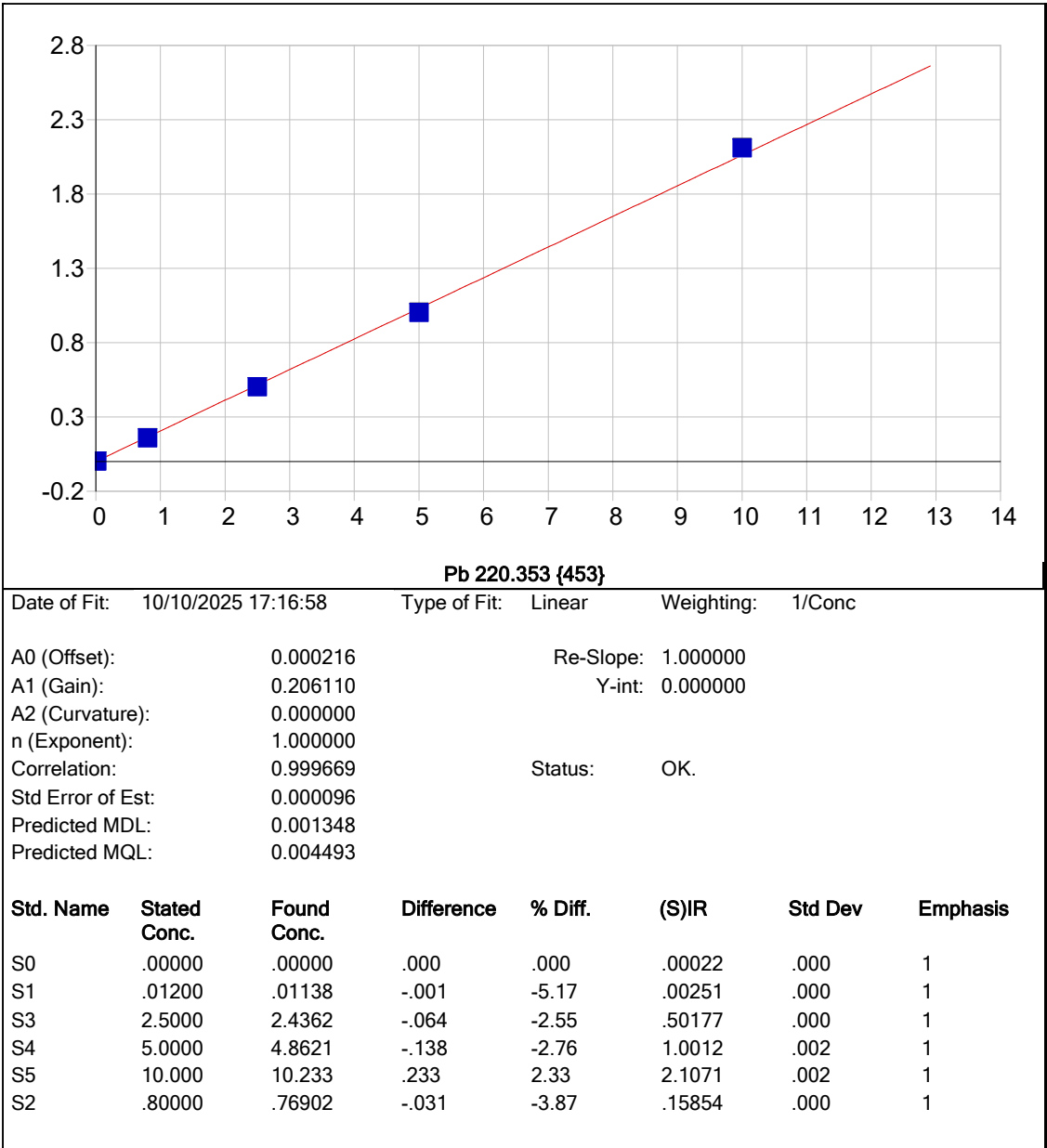
Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1127	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1131	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1136	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1140	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1144	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	1148	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	1152	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	1200	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	1211	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	1215	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	1229	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	1233	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	1252	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	1257	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	1404	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	1410	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170058BL	PB170058BL	1	1435	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3310-01	SS-01-0-1	1	1444	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170058BS	PB170058BS	1	1448	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3310-02	SS-01-1-2	1	1452	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3310-03	SS-01-2-3	1	1456	Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1537	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	1541	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3322-01DUP	OR-02-100925DUP	1	1554	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3322-01L	OR-02-100925L	5	1558	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3322-01MS	OR-02-100925MS	1	1602	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3322-01MSD	OR-02-100925MSD	1	1606	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3322-01A	OR-02-100925A	1	1609	Cu,K,Na,Sb
CCV04	CCV04	1	1629	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	1633	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3310-03	SS-01-2-3	2	1657	Ag
CCV05	CCV05	1	1704	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1708	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

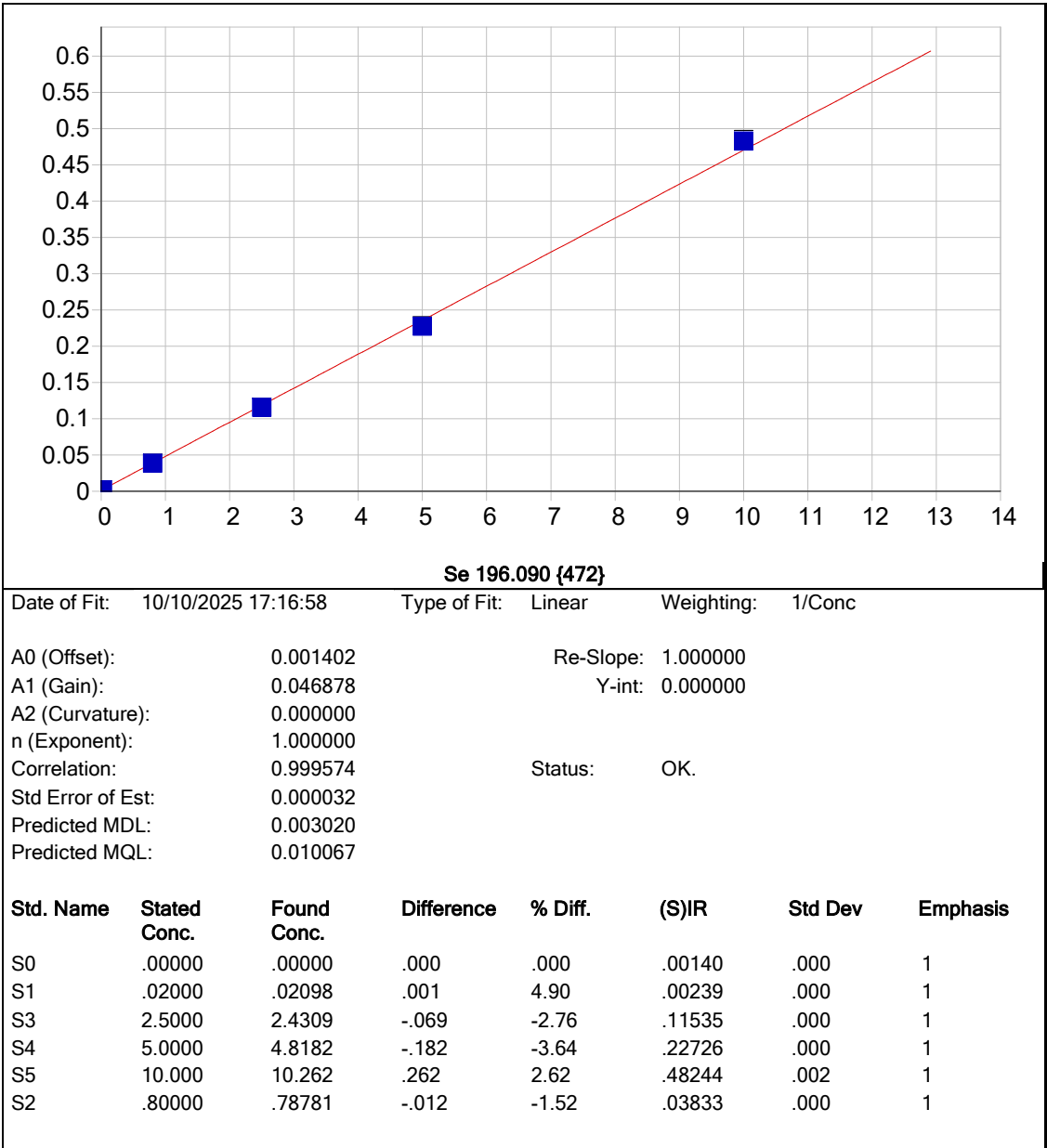


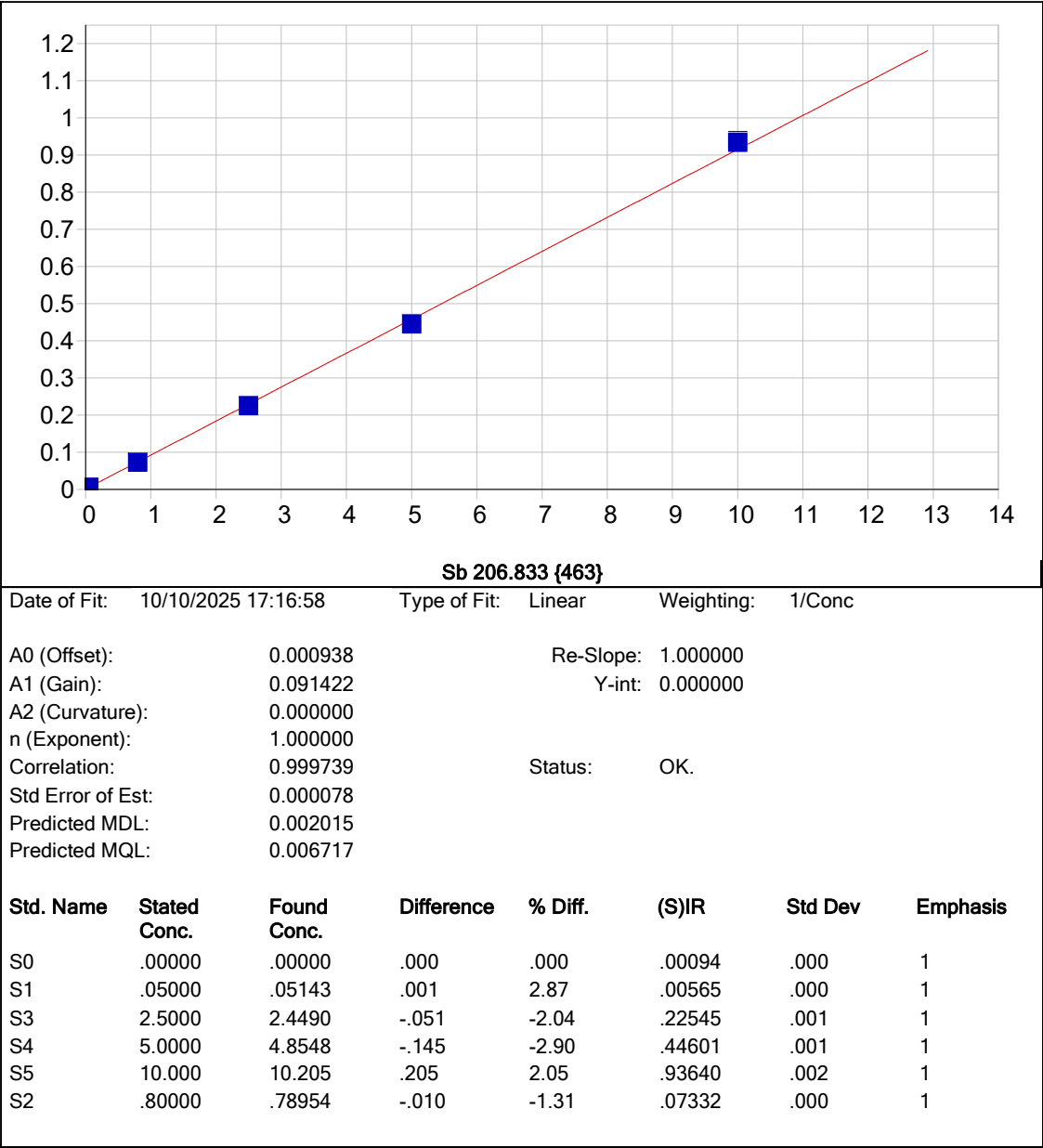
METAL RAW DATA

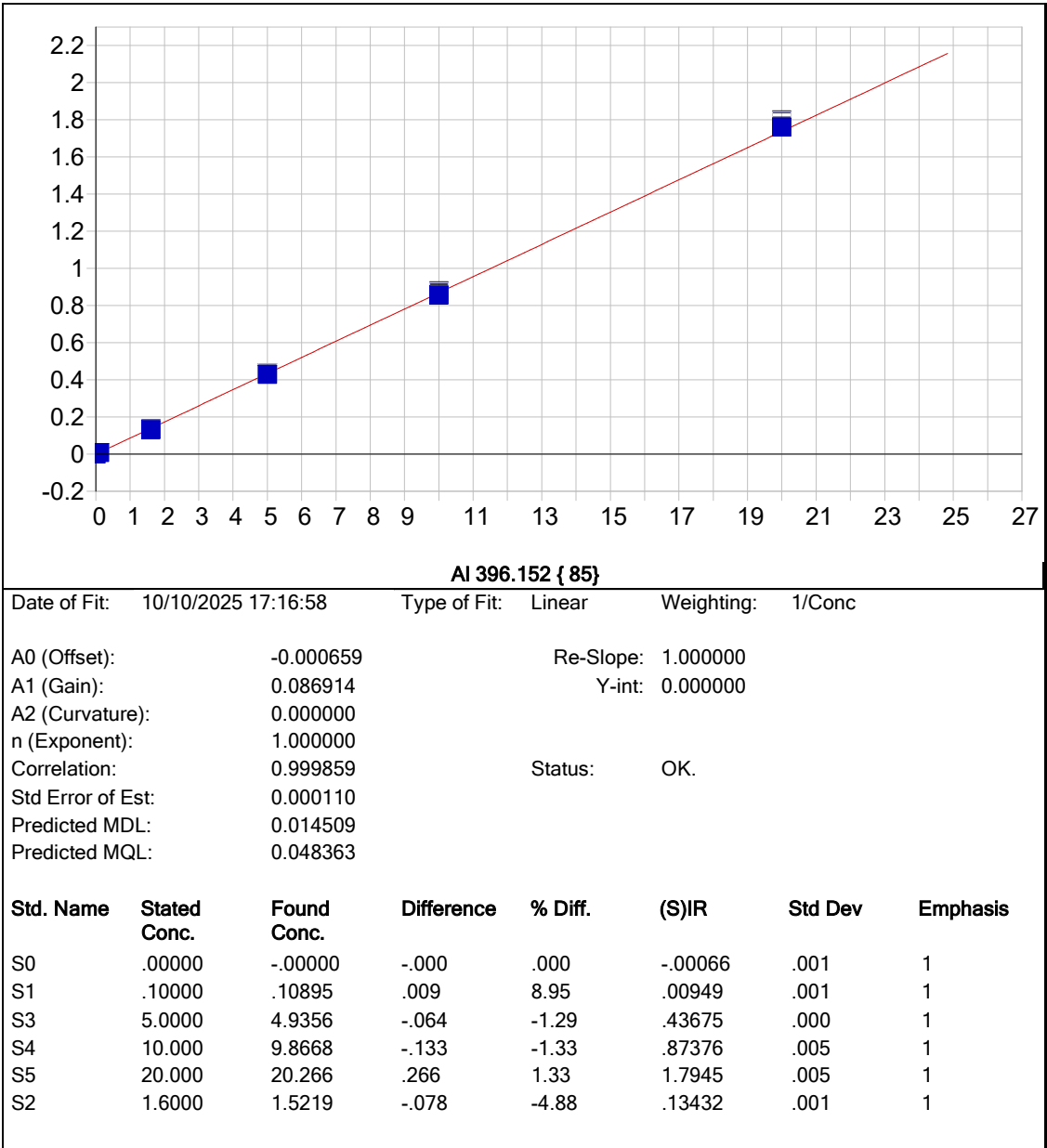


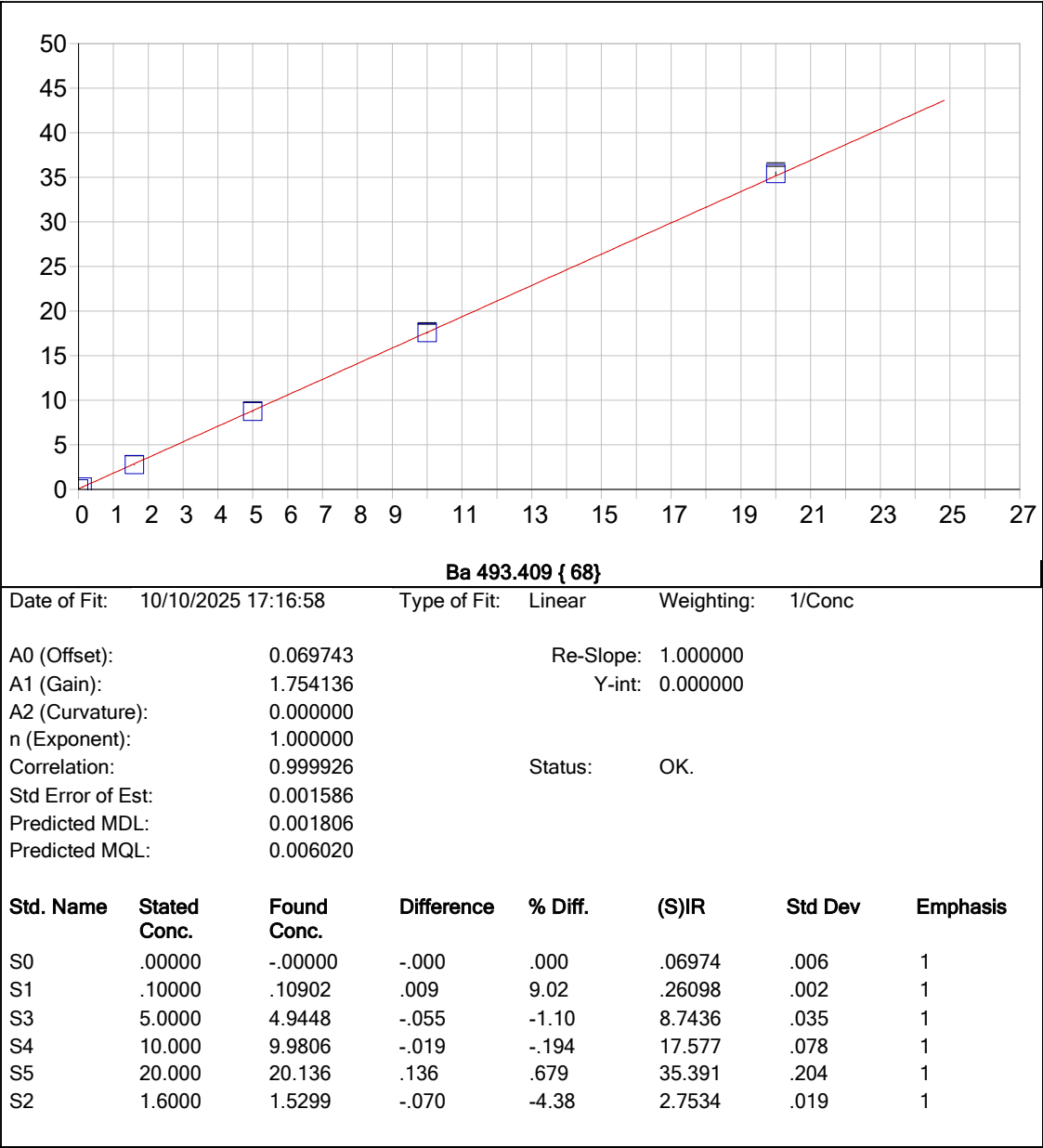


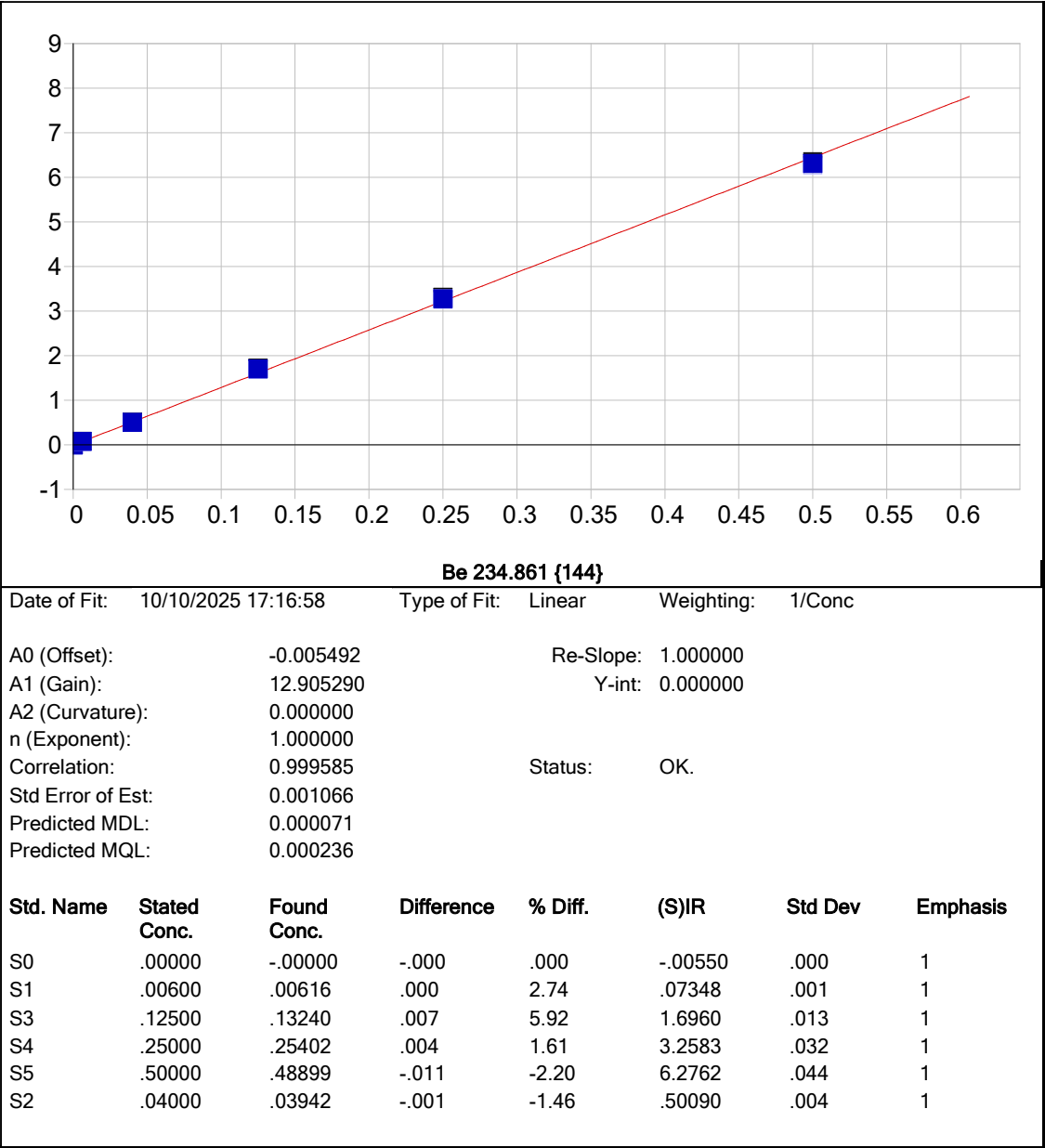


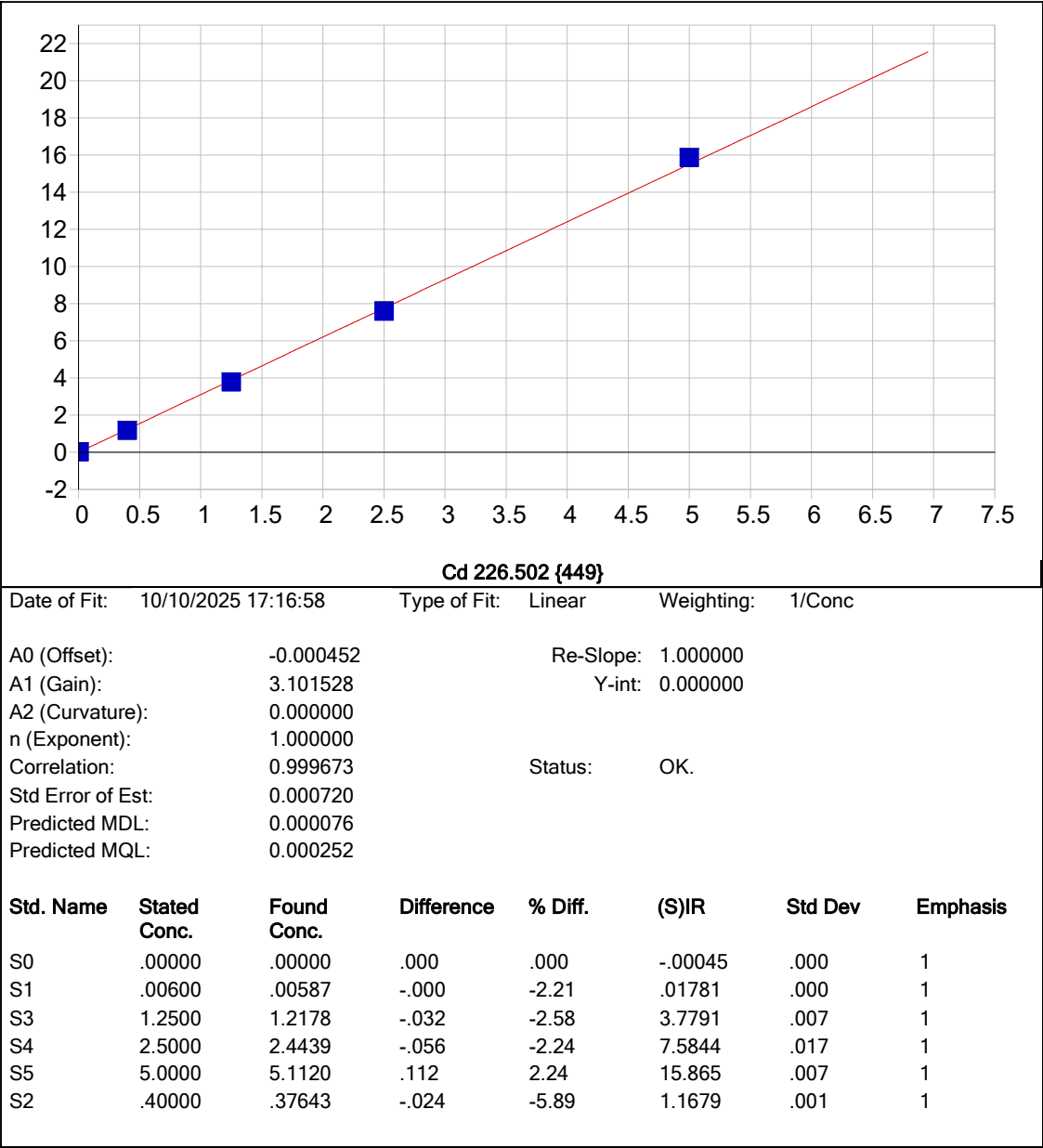


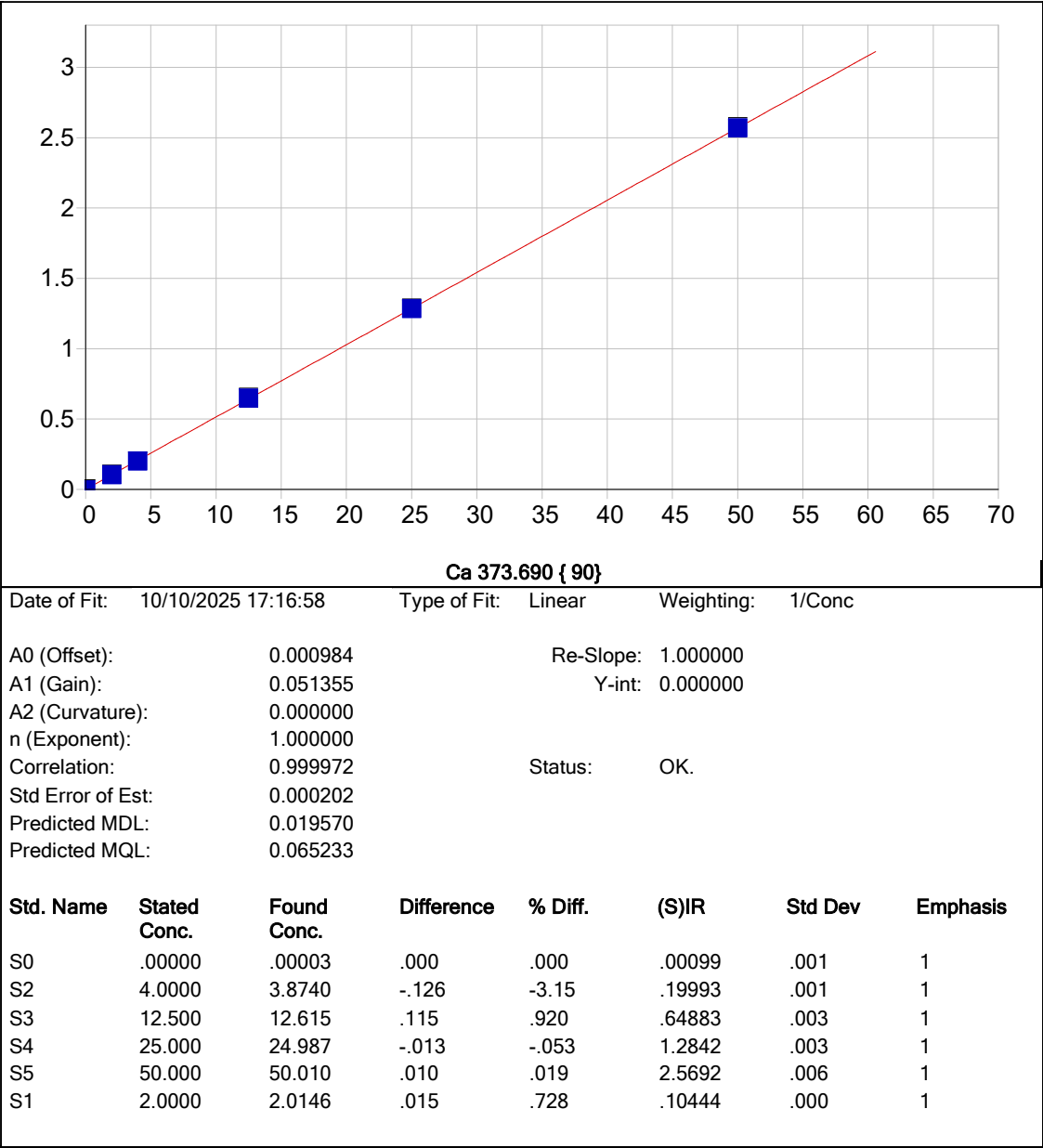


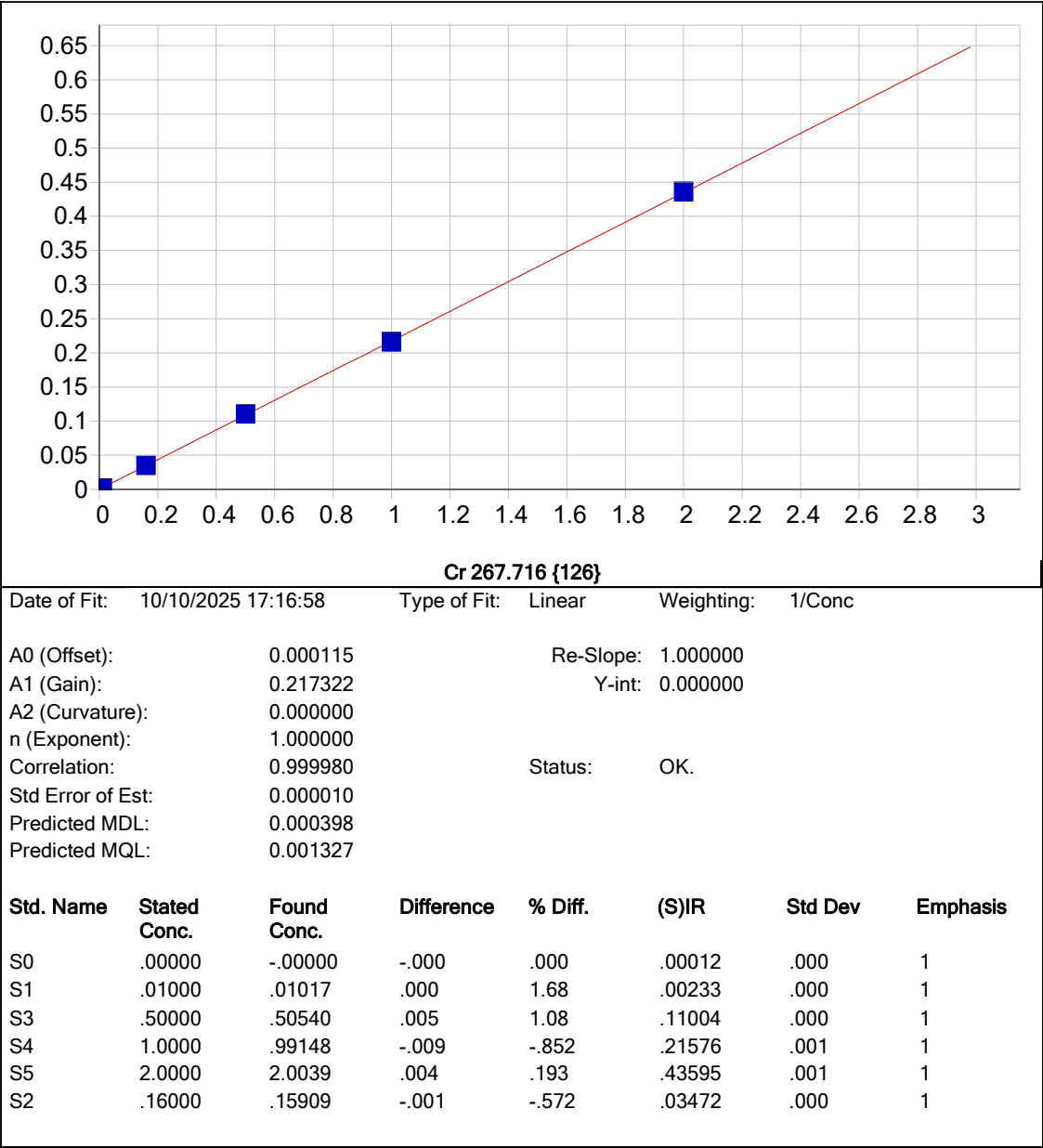


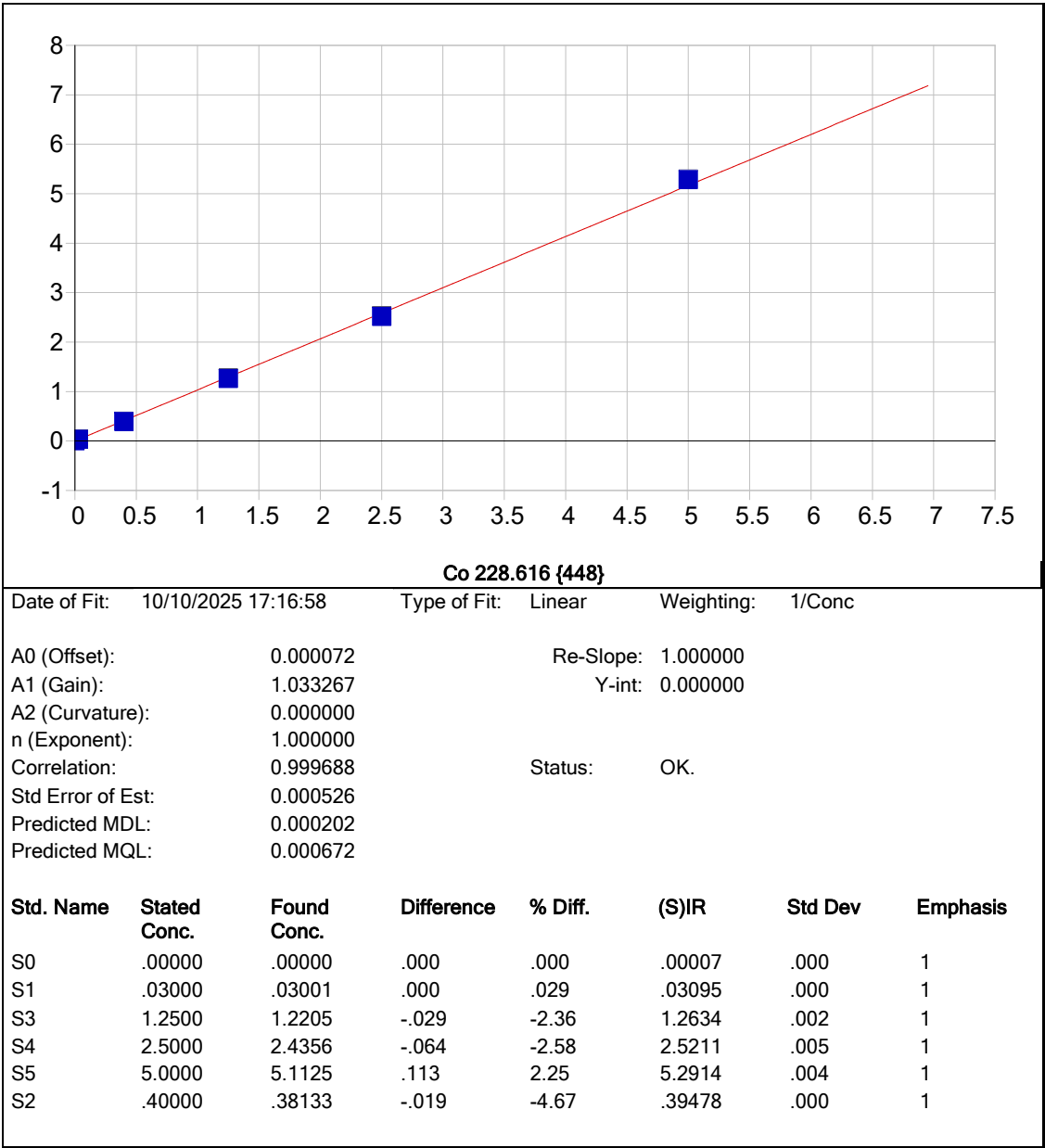


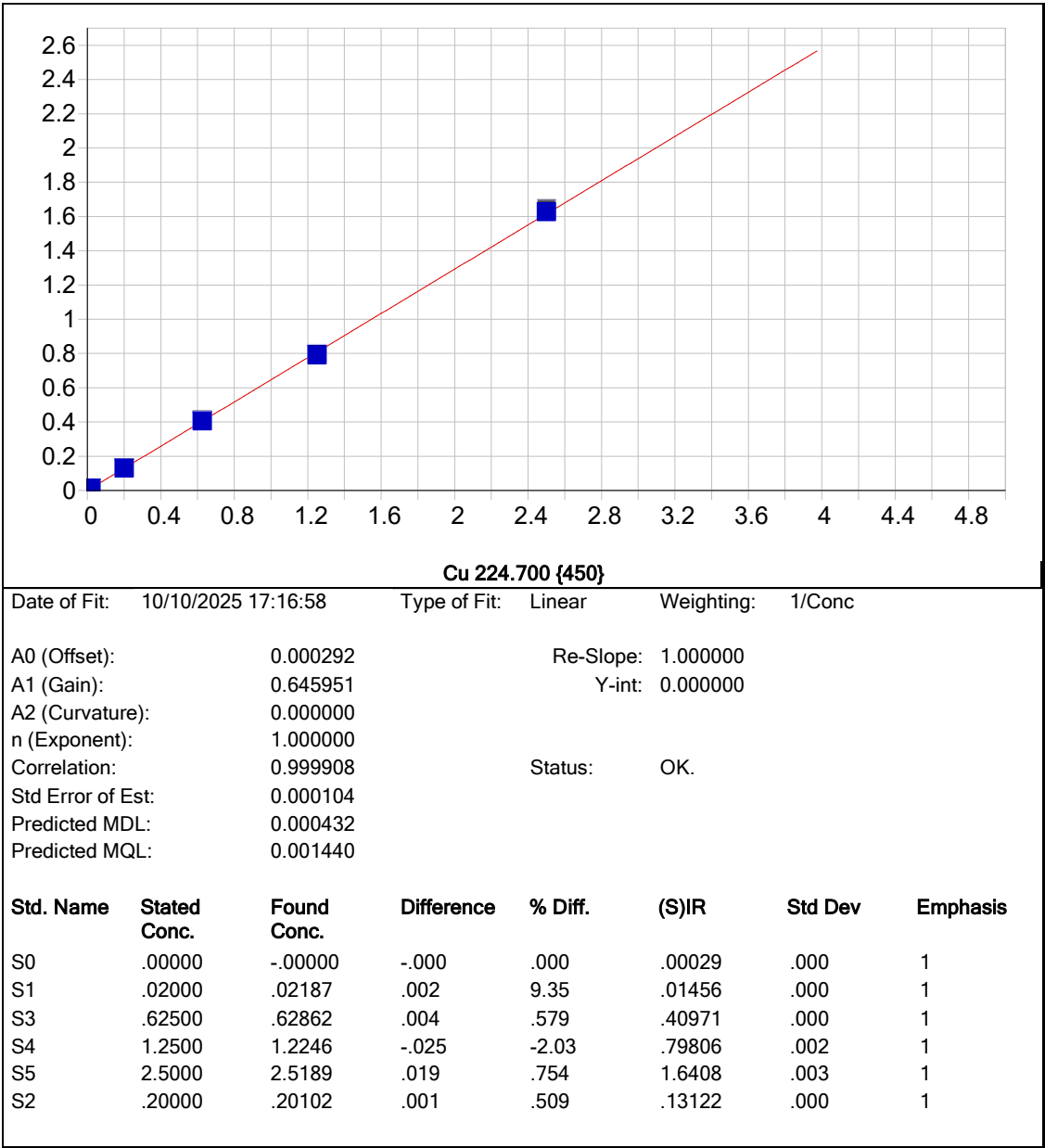


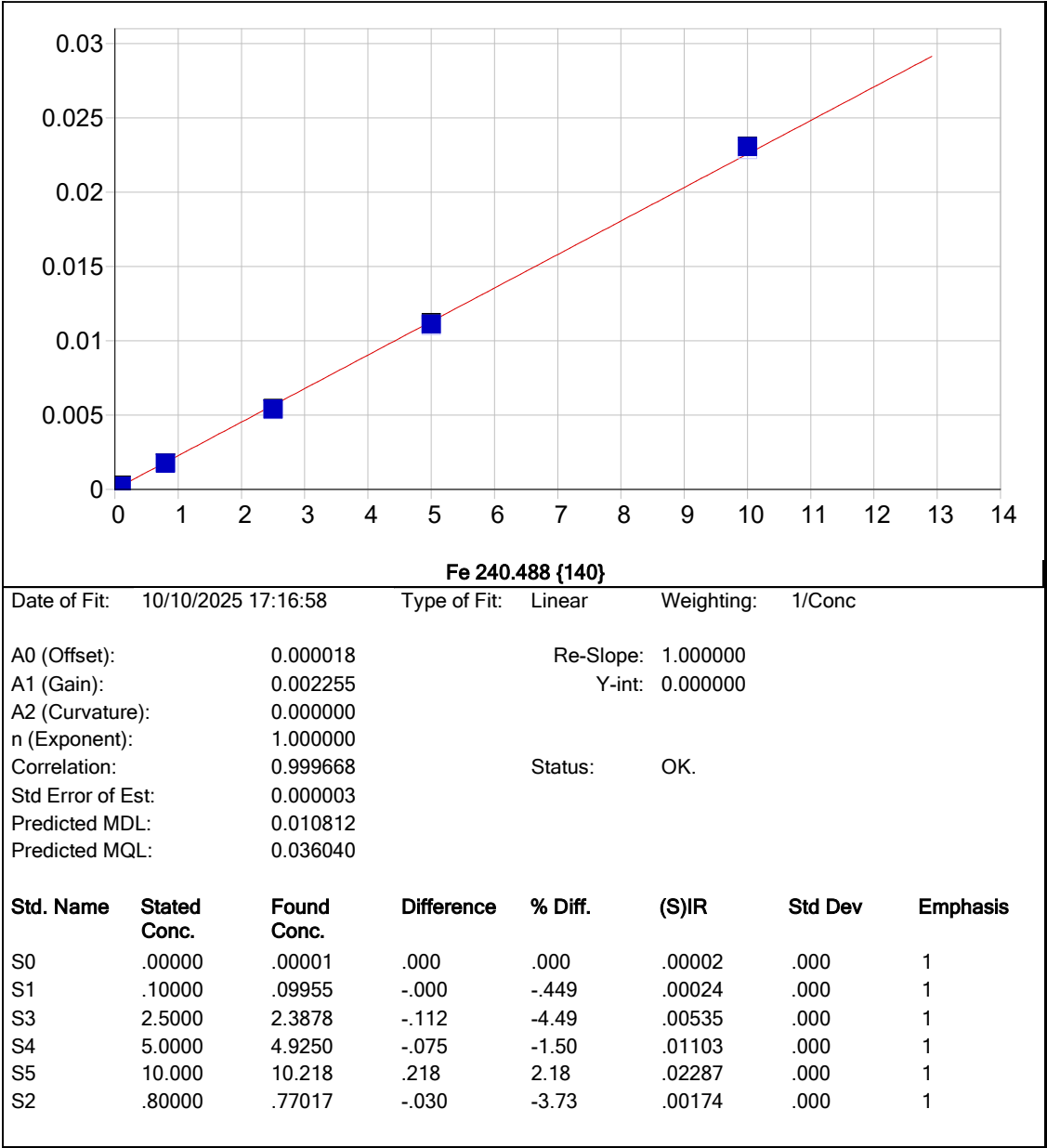


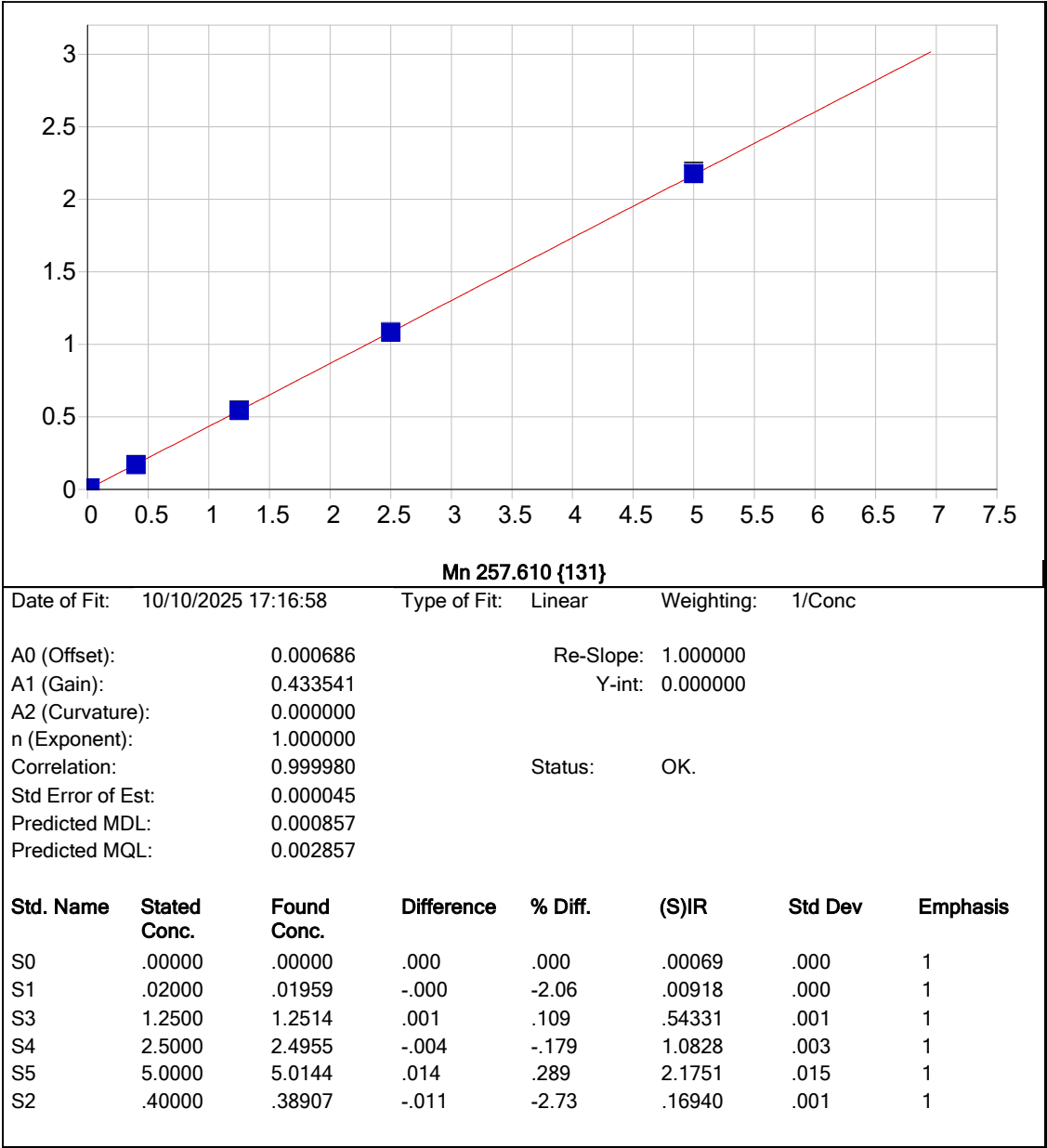


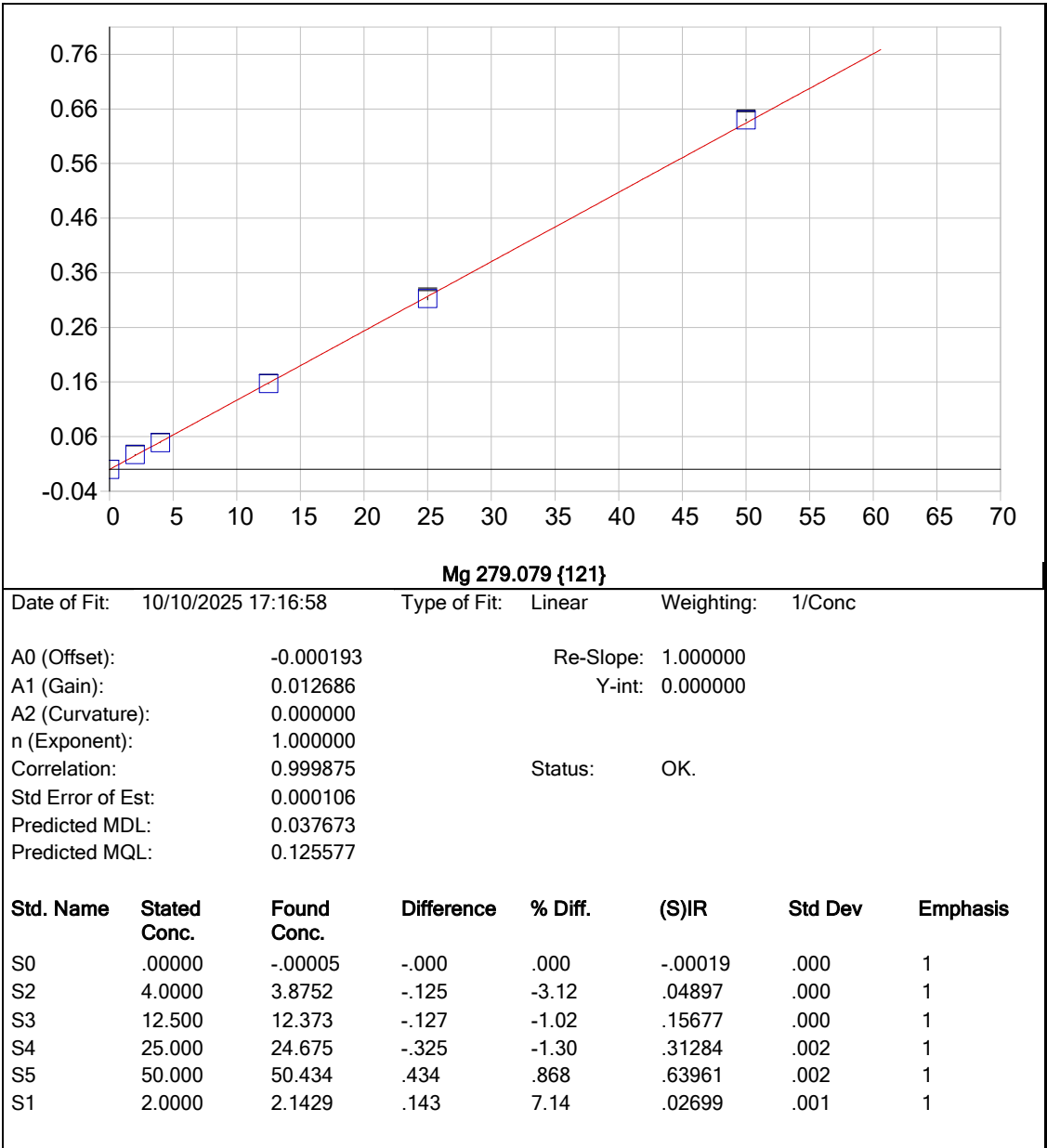


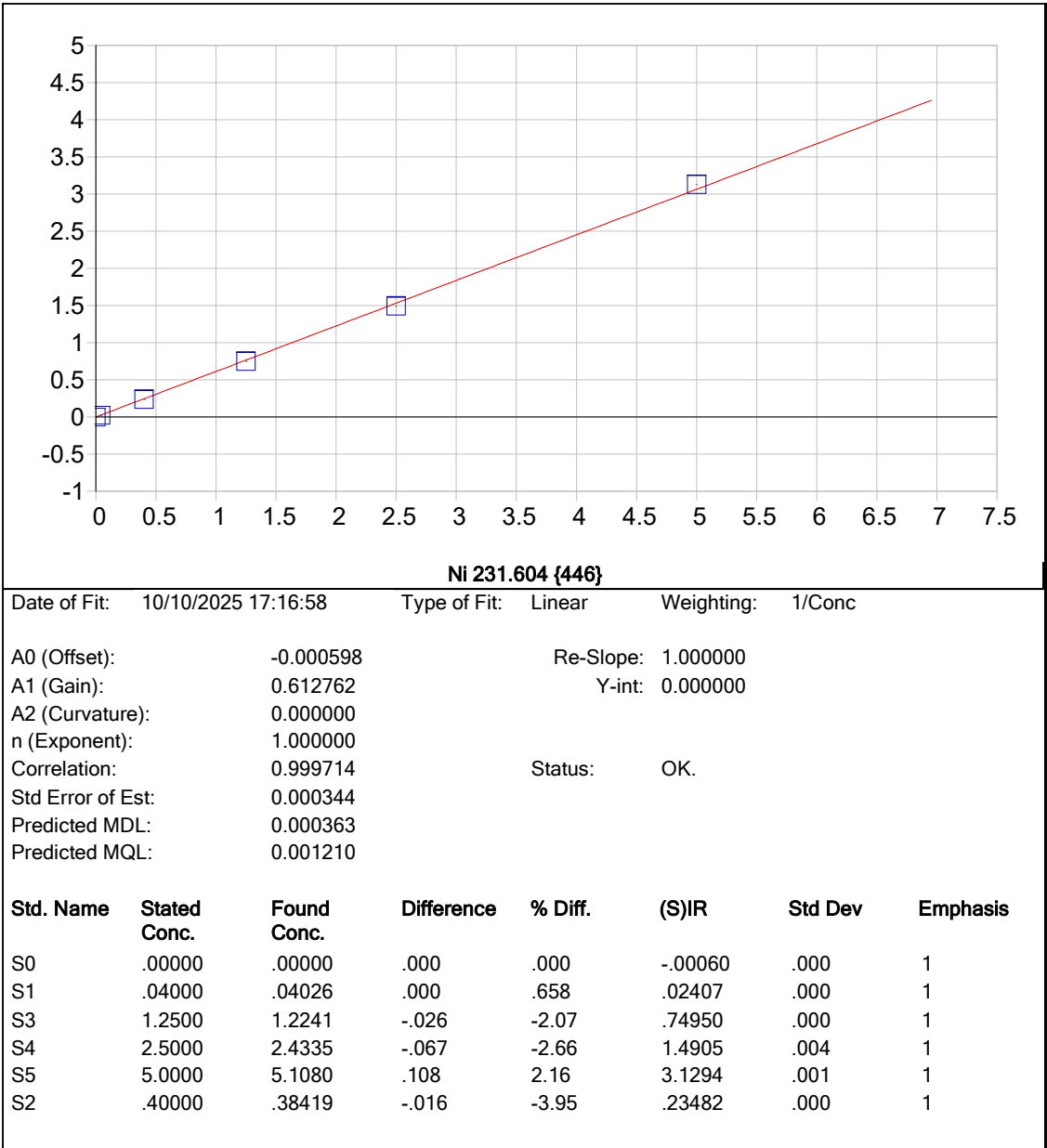


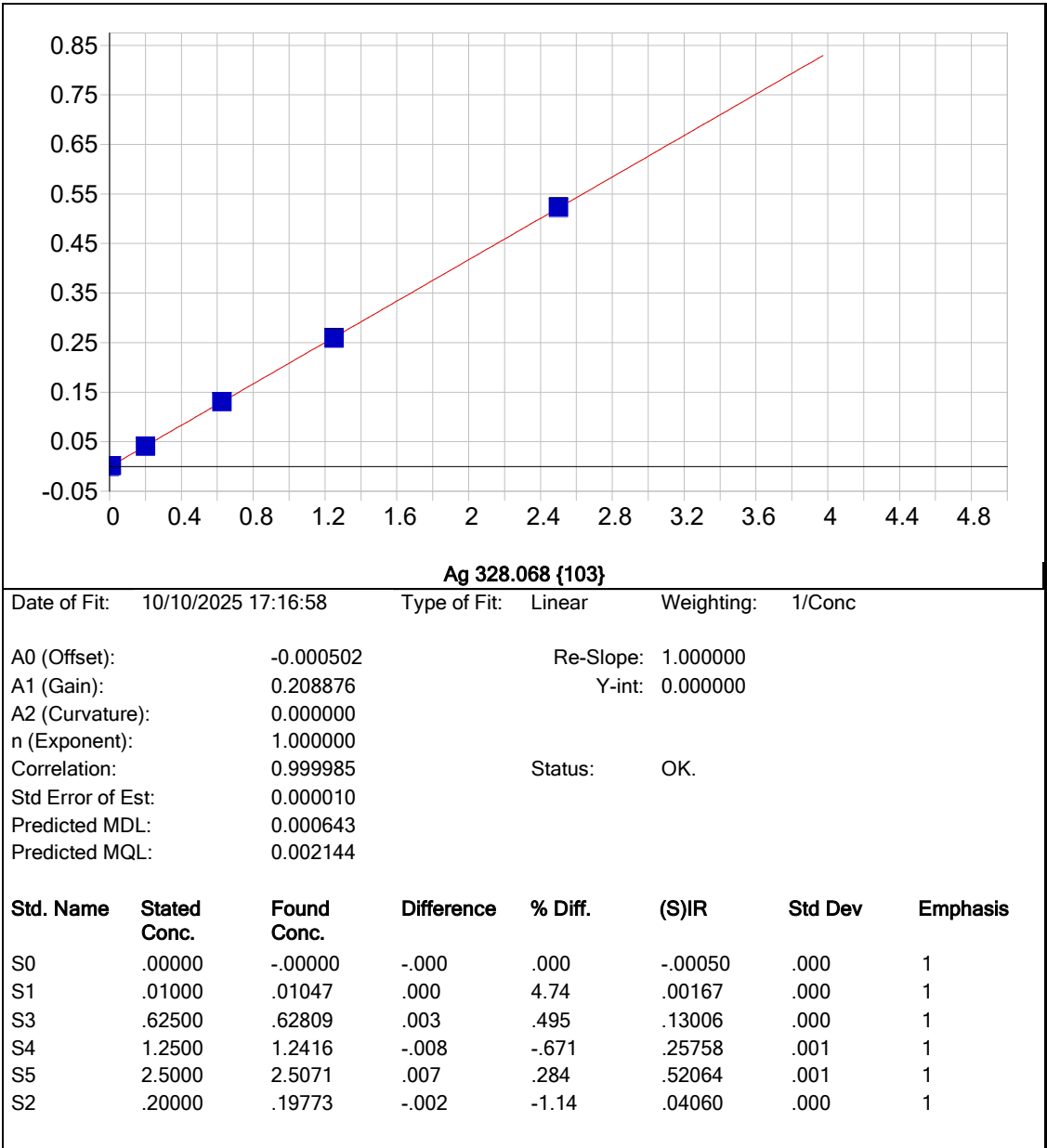


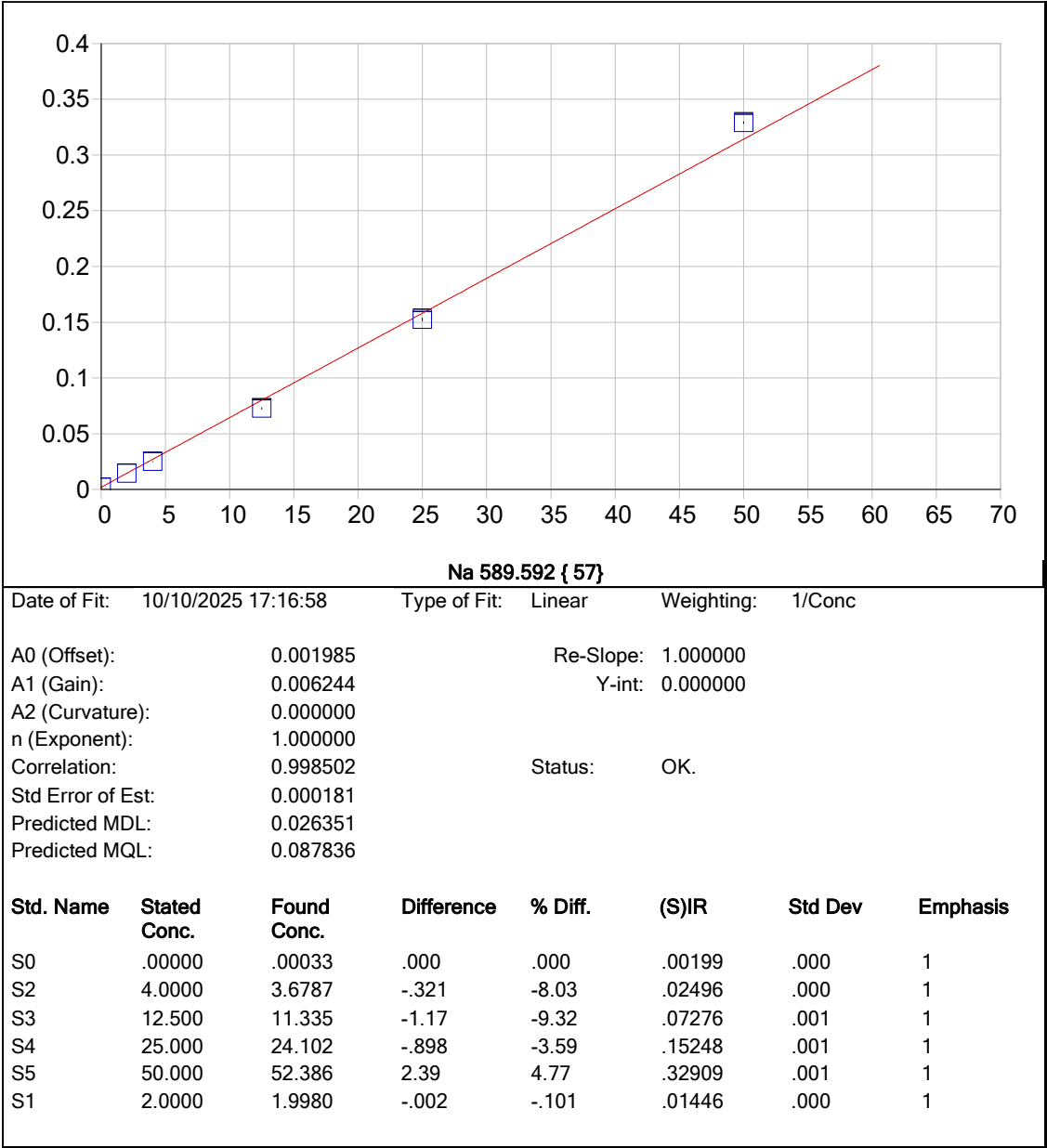


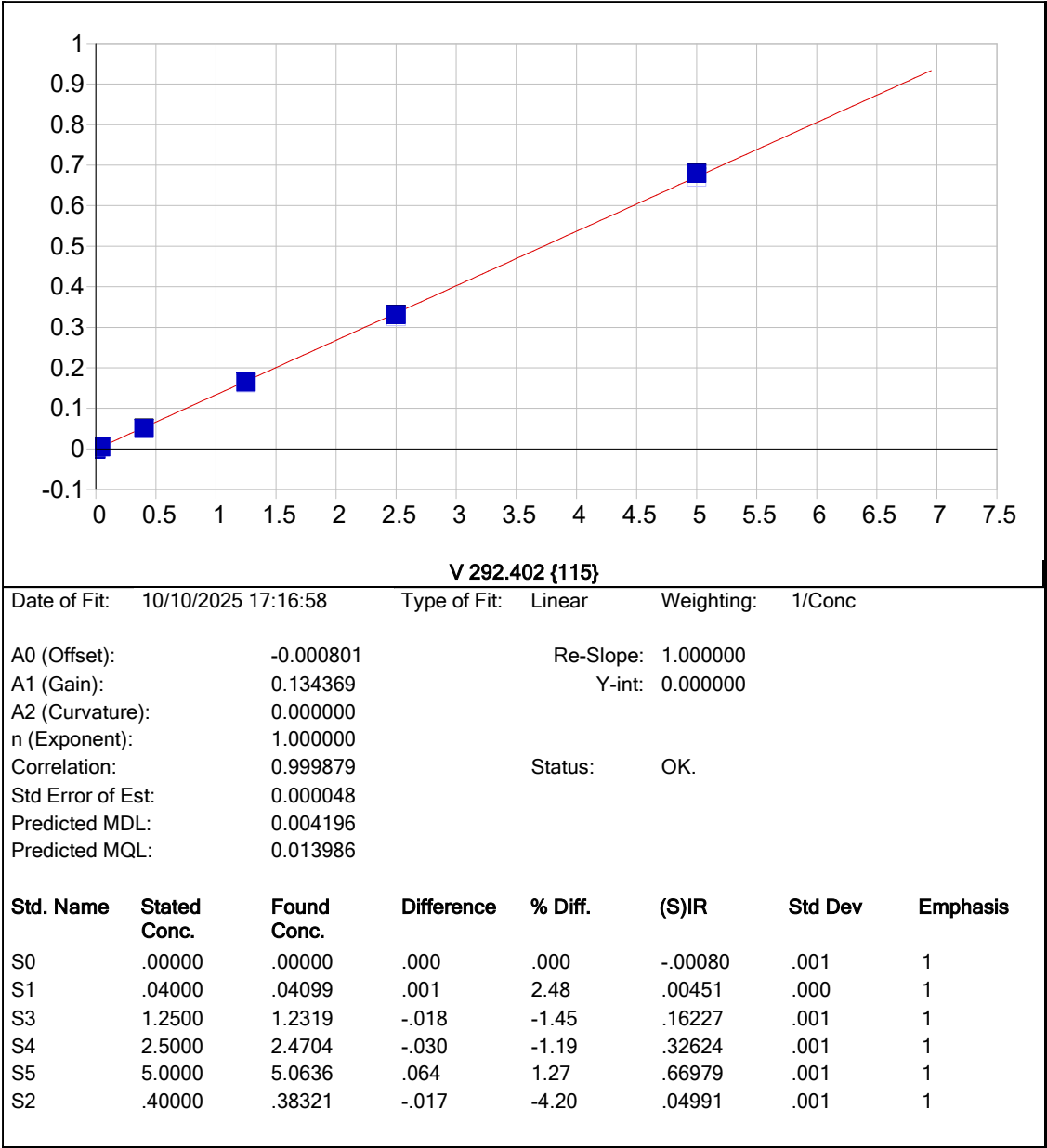


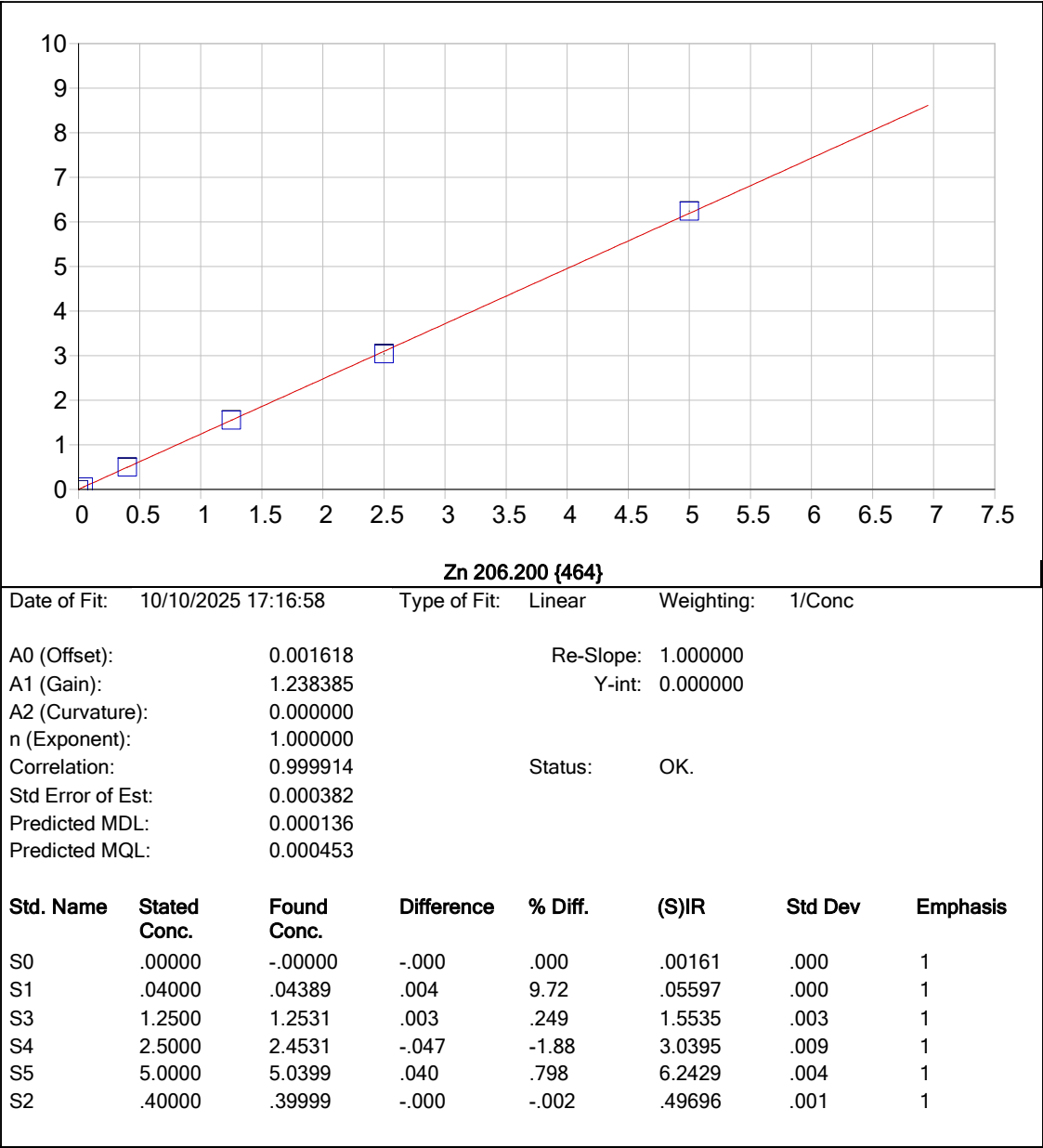


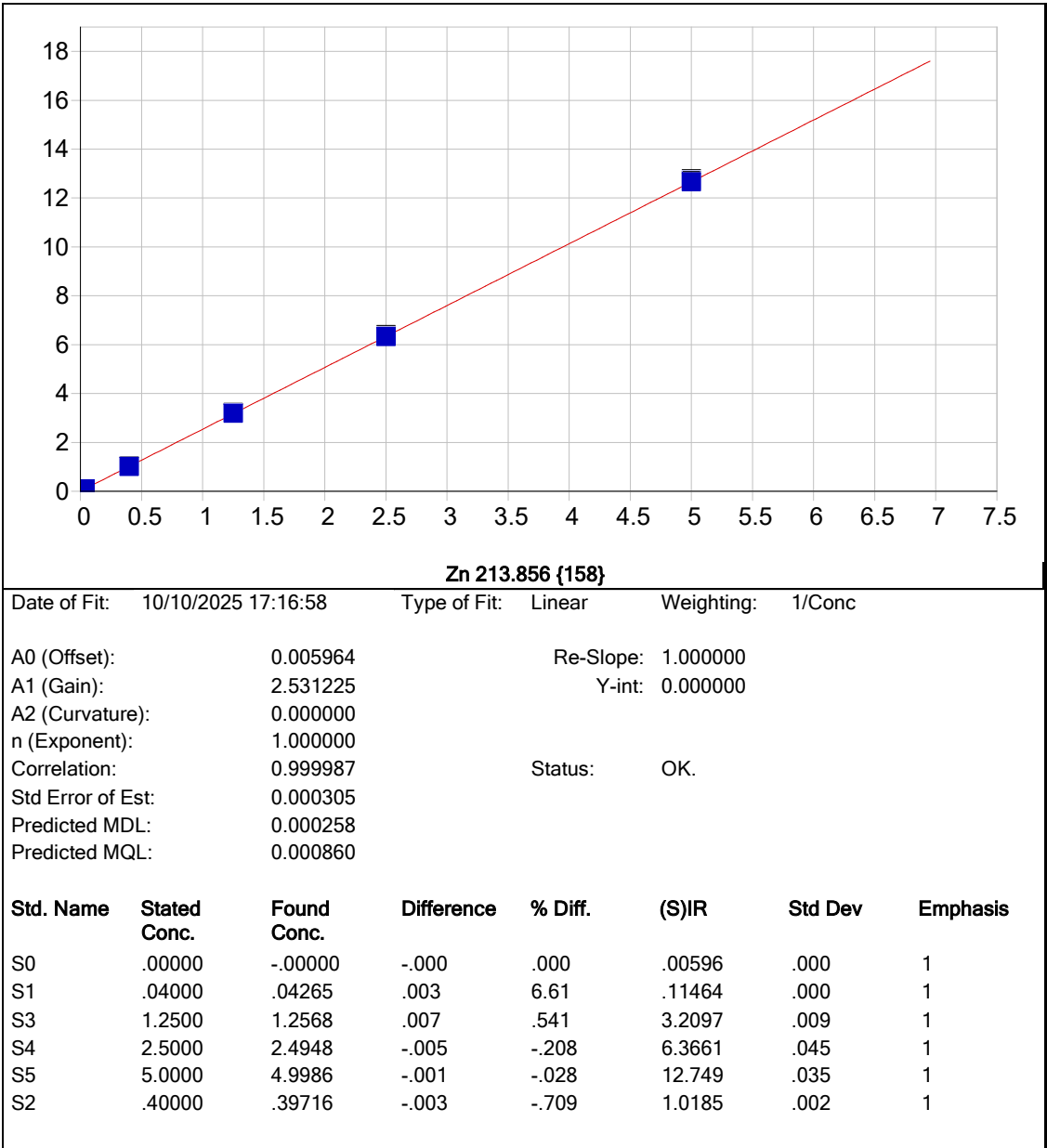


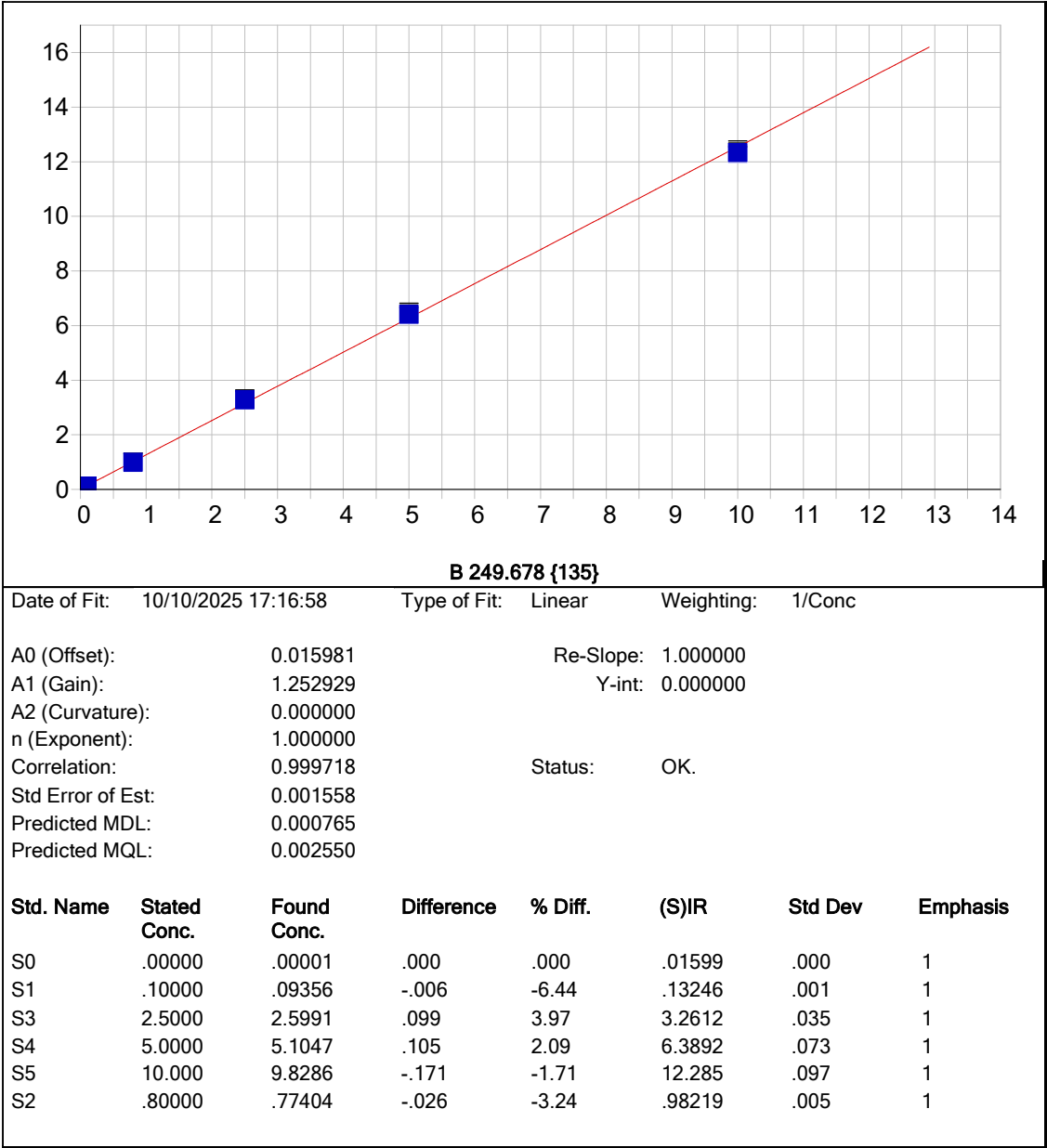


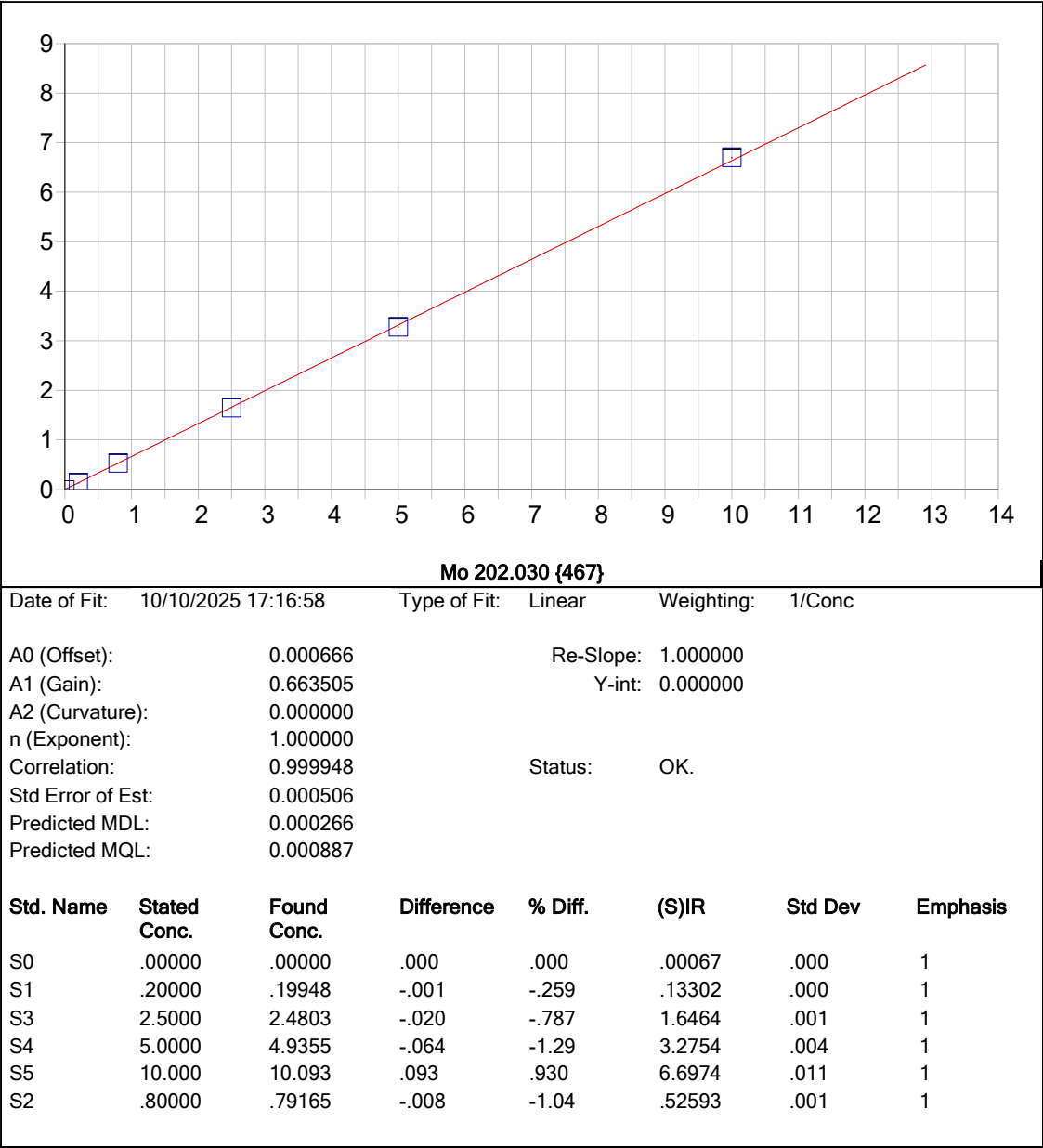


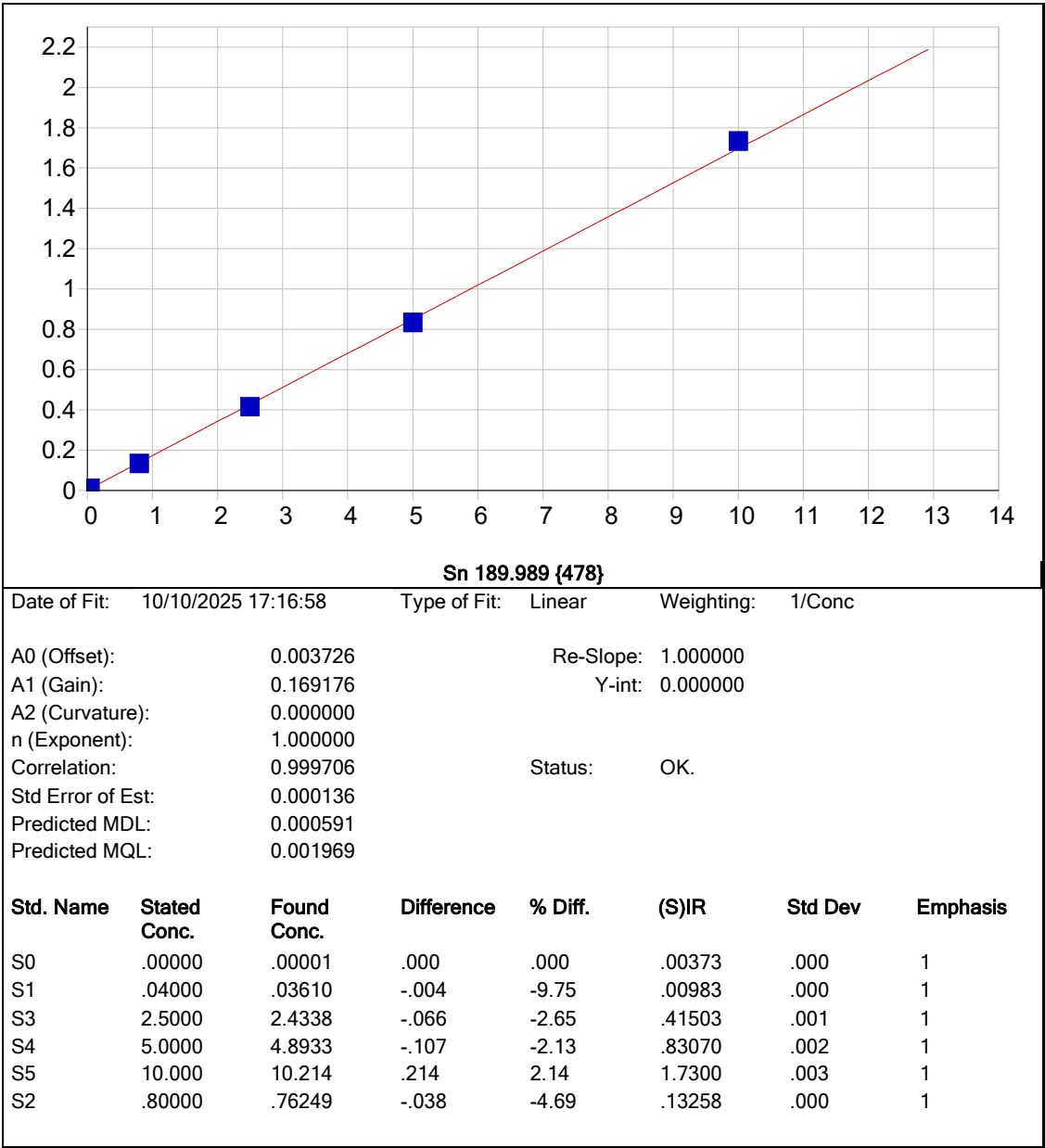


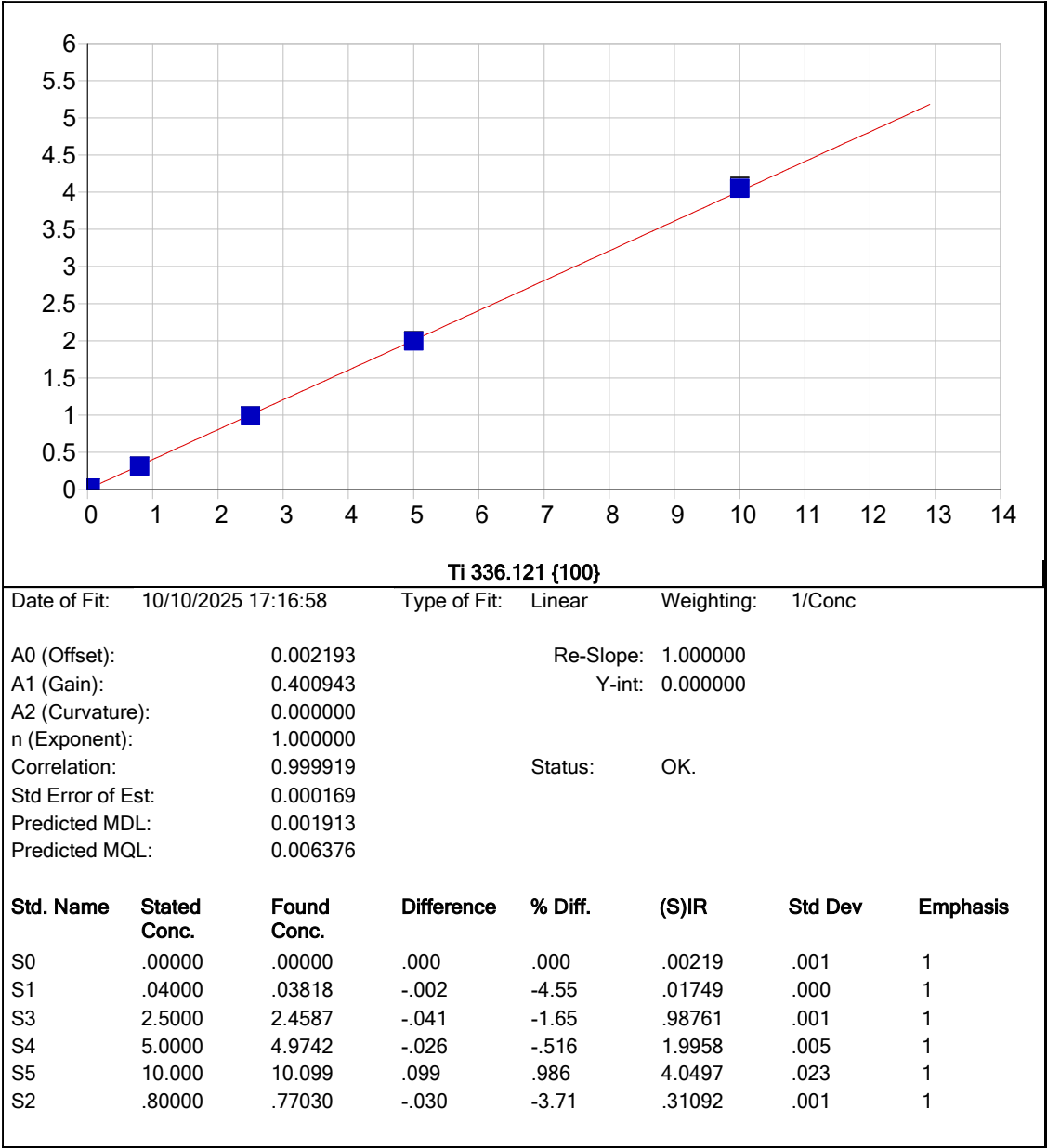


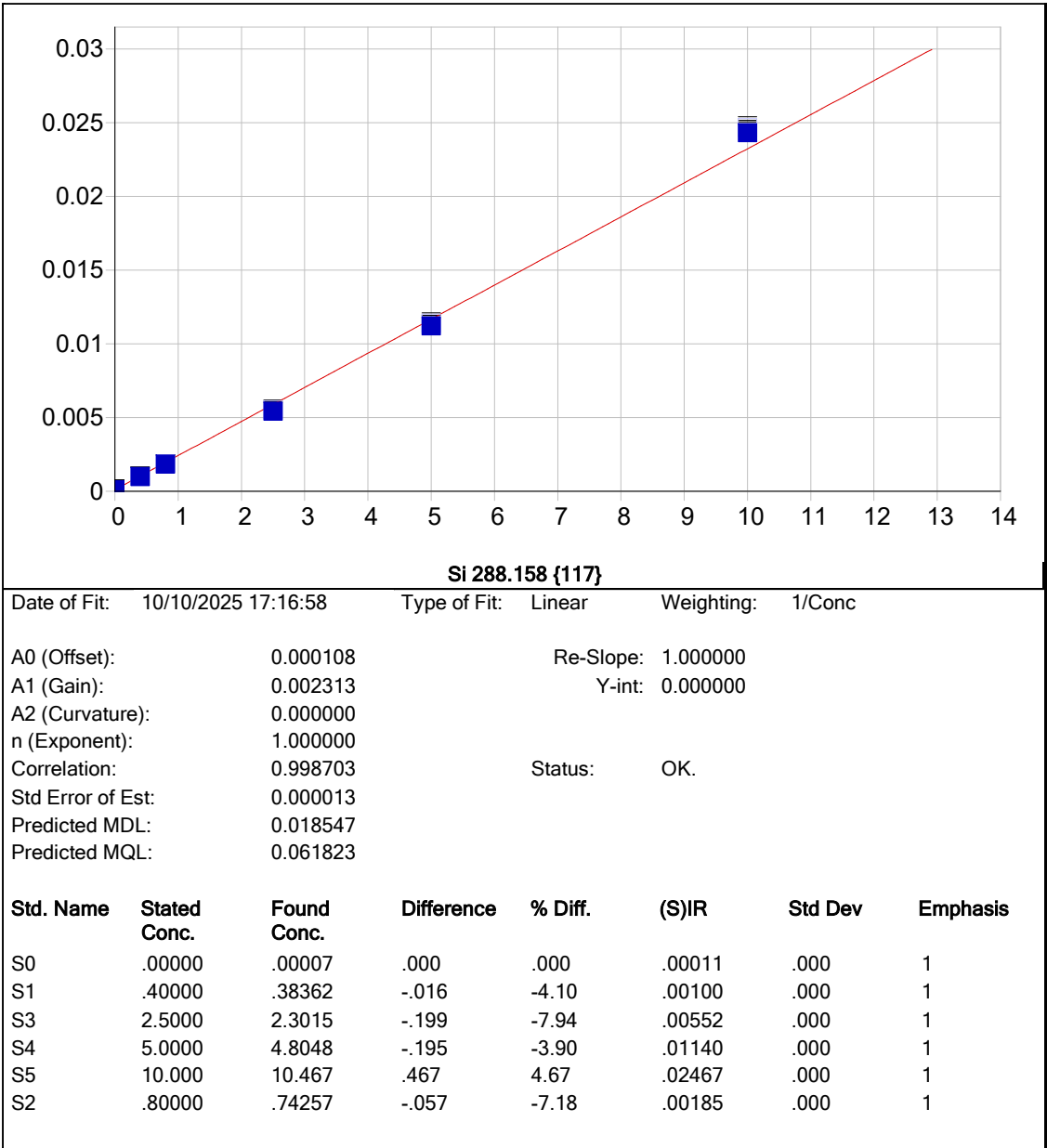


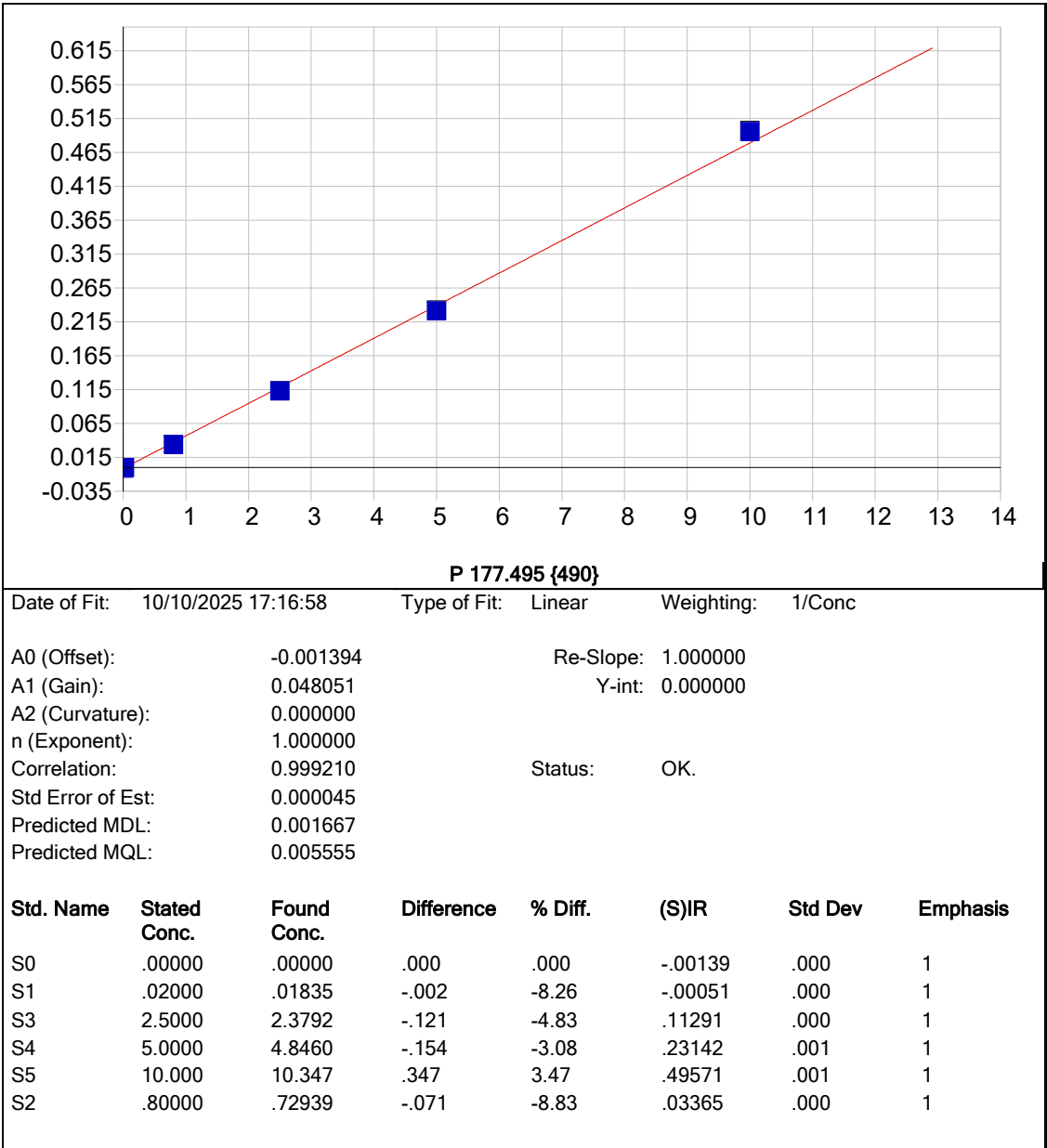


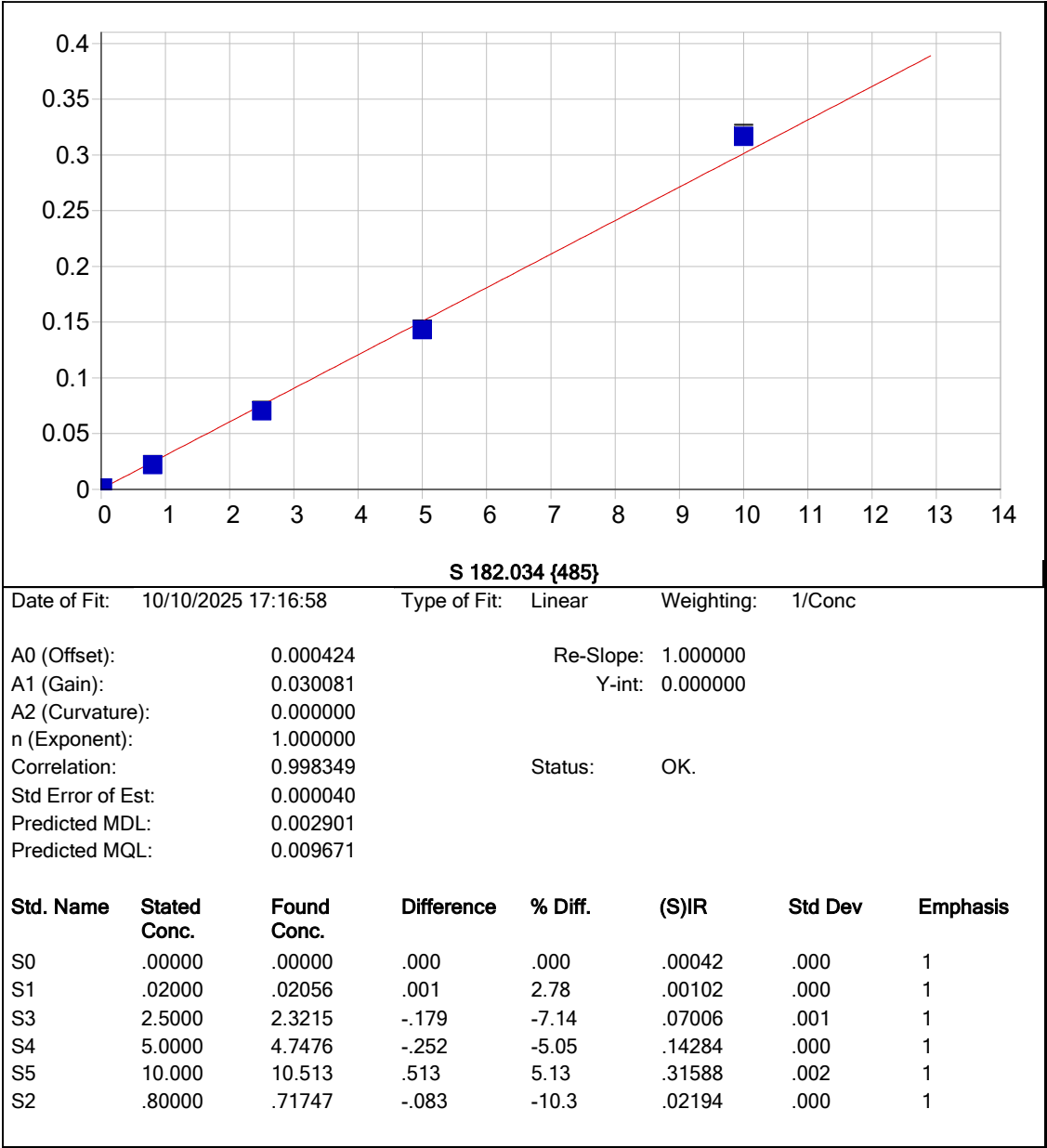


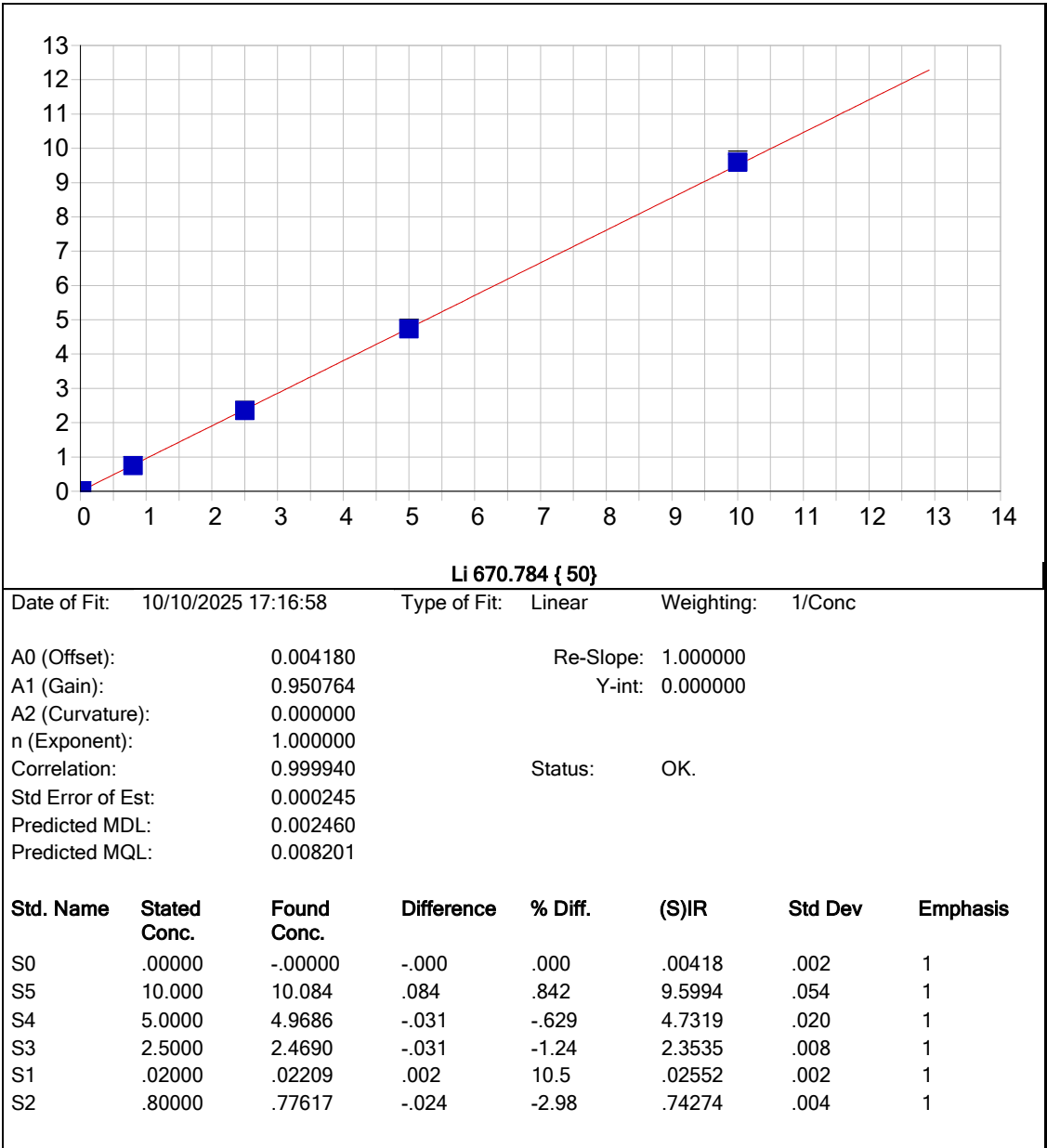


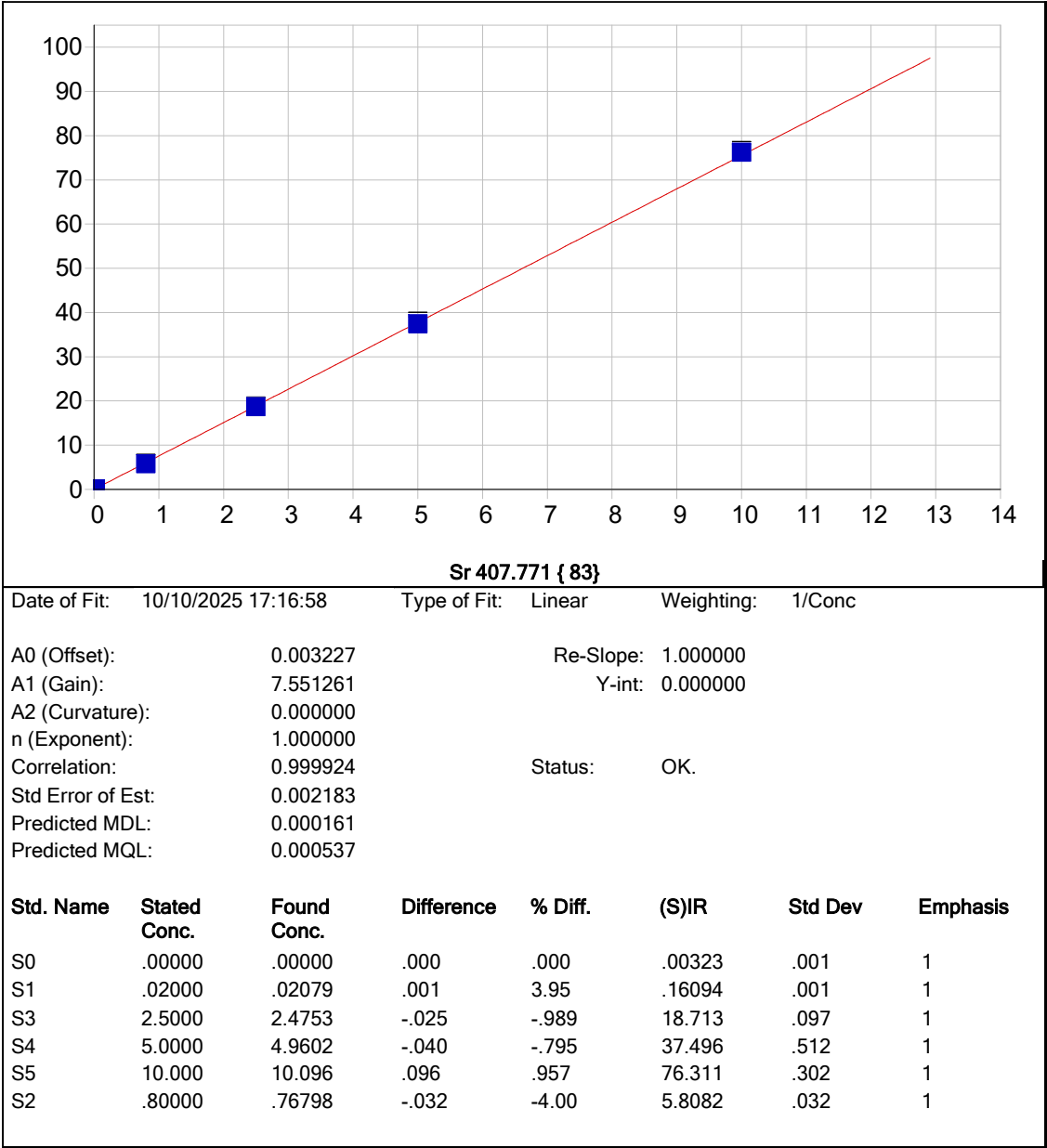


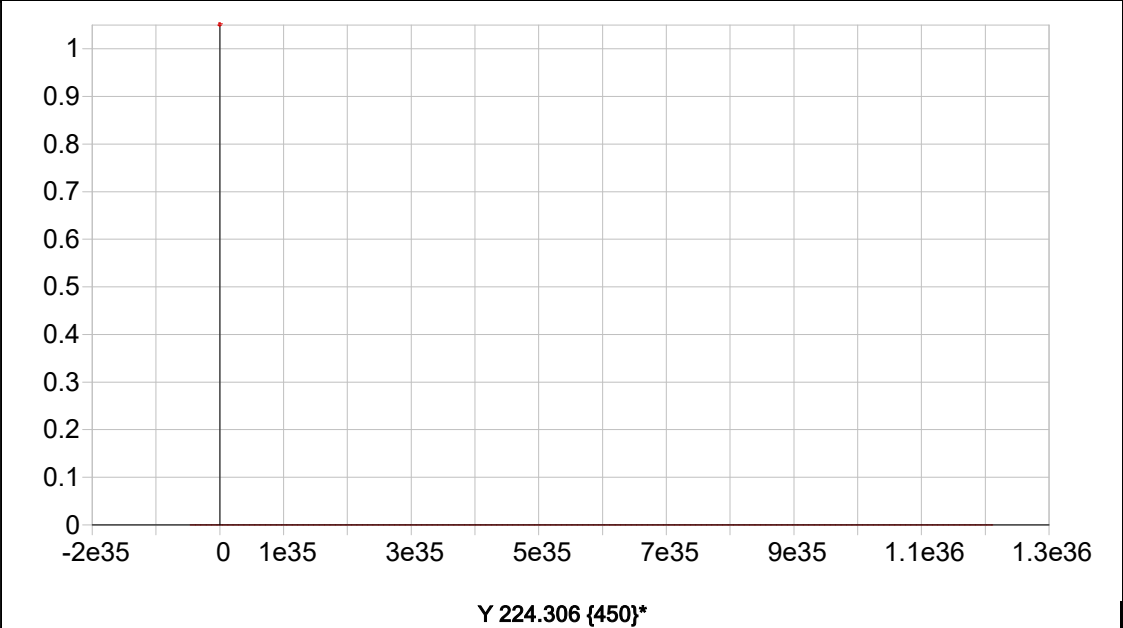






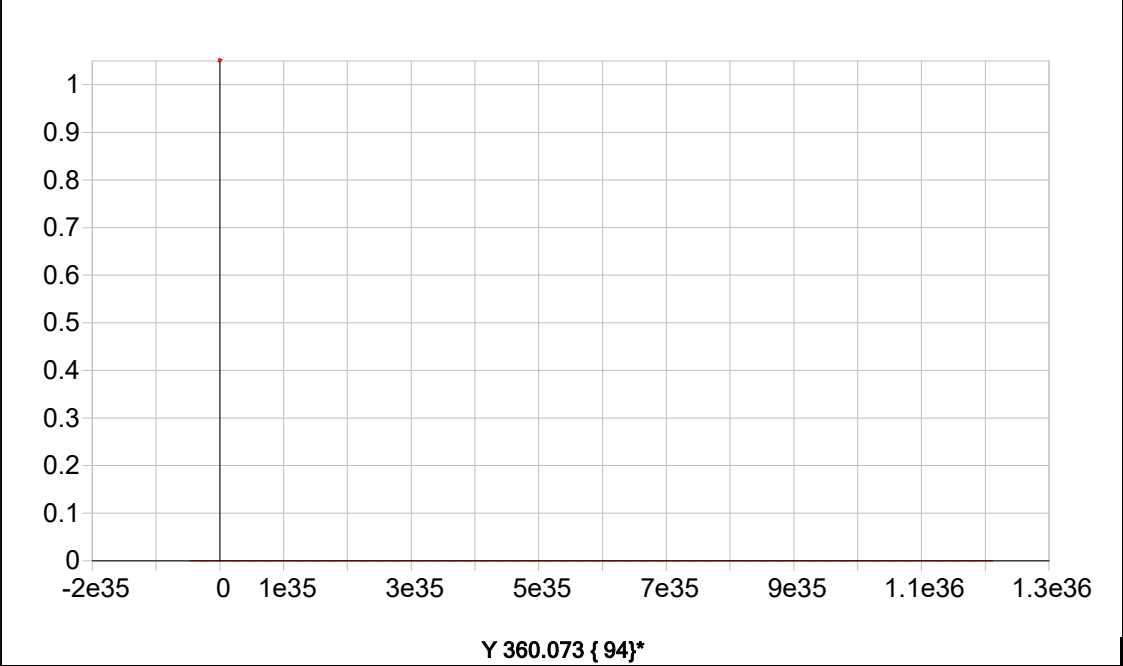




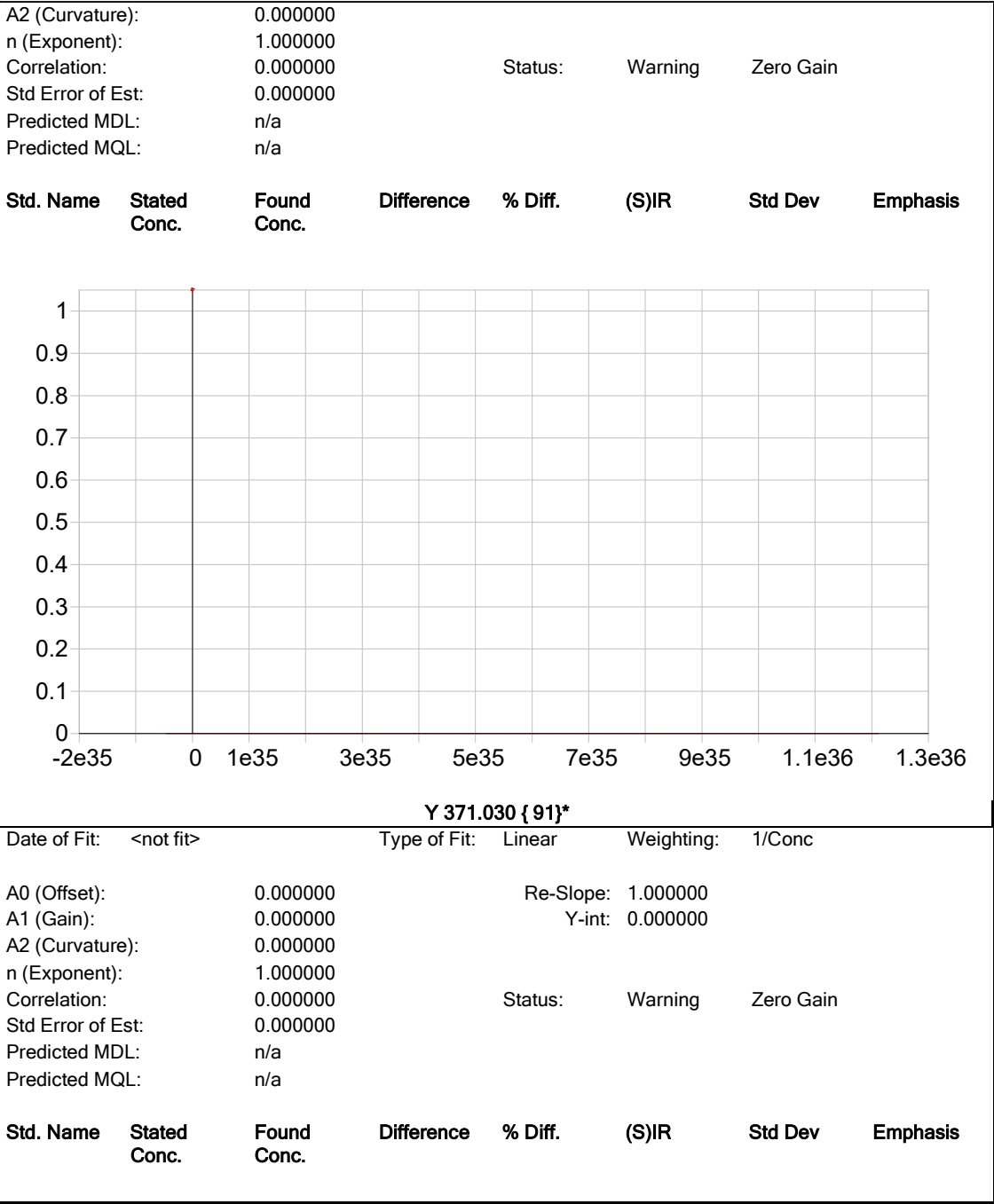


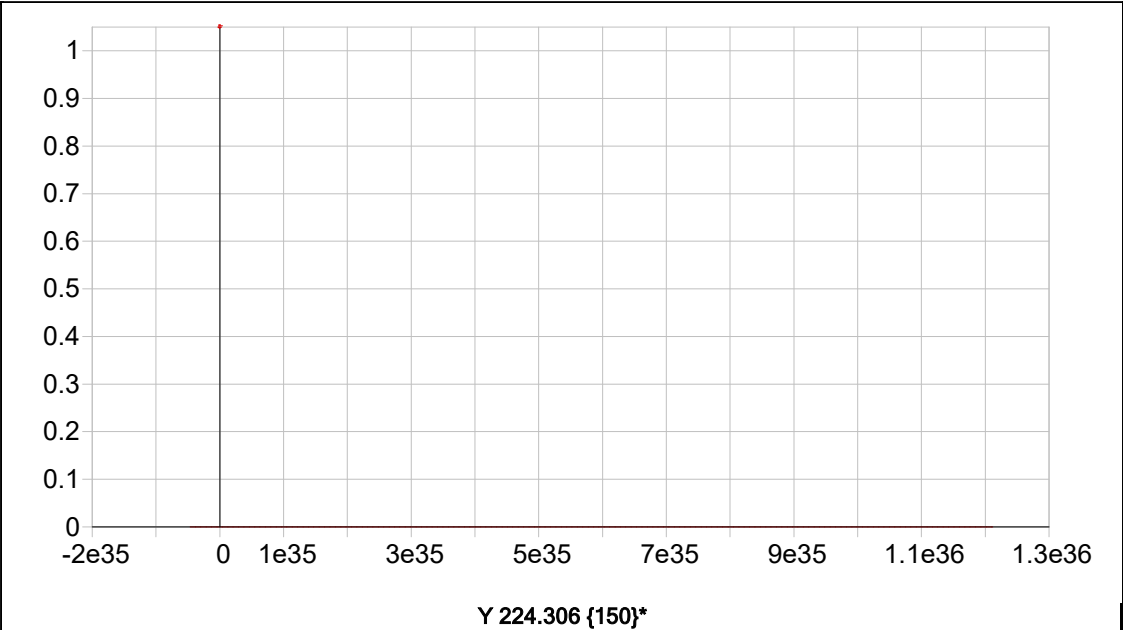
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A1 (Gain):	0.000000	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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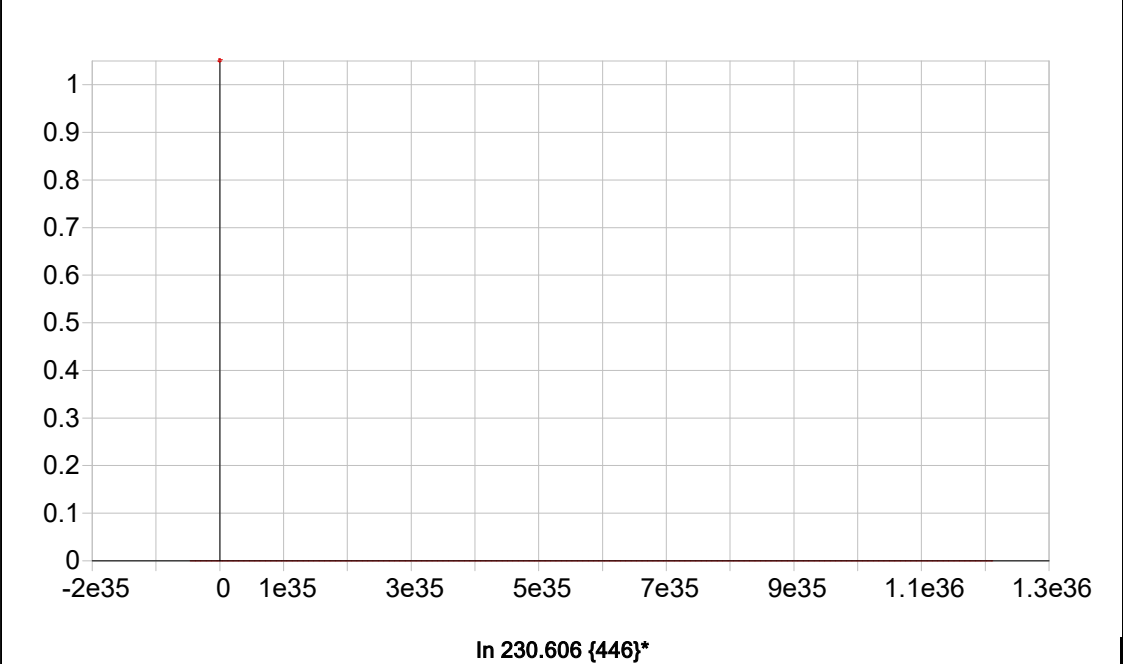
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A1 (Gain):	0.000000	Y-int:	0.000000		





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: 10/10/2025 11:27:23 Type: Cal
Method: 6010-200.7 NEW(v276) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00002	.00060	.00022	.00140	.00094	-.00037	.06974	-.00550
Stddev	.00004	.00012	.00028	.00007	.00004	.00107	.00567	.00021
%RSD	192.03	20.466	128.01	4.6551	4.4716	289.40	8.1376	3.8690

#1	.00004	.00064	-.00008	.00140	.00099	.00086	.06411	-.00533
#2	-.00002	.00047	.00027	.00147	.00091	-.00107	.07546	-.00573
#3	.00004	.00070	.00046	.00134	.00092	-.00090	.06964	-.00543

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	-.00045	.00099	.00012	.00007	.00029	.00002	.00069	-.00019
Stddev	.00016	.00071	.00007	.00017	.00010	.00000	.00018	.00009
%RSD	36.544	72.227	62.982	236.67	32.892	11.186	26.598	44.654

#1	-.00063	.00017	.00020	-.00013	.00039	.00002	.00052	-.00026
#2	-.00030	.00128	.00006	.00015	.00029	.00002	.00088	-.00010
#3	-.00042	.00150	.00008	.00020	.00020	.00002	.00066	-.00023

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	-.00060	-.00050	.00199	-.00080	.00596	.00036	.01599	.00067
Stddev	.00023	.00005	.00012	.00059	.00013	.00019	.00036	.00005
%RSD	39.085	9.4343	5.8481	73.605	2.1398	51.196	2.2815	8.0538

#1	-.00033	-.00055	.00185	-.00075	.00582	.00018	.01557	.00073
#2	-.00073	-.00046	.00207	-.00141	.00598	.00036	.01620	.00066
#3	-.00073	-.00049	.00204	-.00024	.00607	.00055	.01620	.00062

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	.00373	.00219	.00011	-.00139	.00042	.00418	.00323
Stddev	.00006	.00070	.00004	.00007	.00003	.00160	.00058
%RSD	1.5819	32.021	38.405	5.1578	7.8718	38.295	17.920

#1	.00366	.00281	.00011	-.00142	.00041	.00304	.00304
#2	.00374	.00143	.00015	-.00145	.00046	.00601	.00277
#3	.00378	.00234	.00007	-.00131	.00040	.00349	.00388

Sample Name: S0 Acquired: 10/10/2025 11:27:23 Type: Cal
Method: 6010-200.7 NEW(v276) 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	6426.9	86467.	5958.6	4617.0	7836.3
Stddev	22.1	438.	14.7	11.0	16.1
%RSD	.34444	.50633	.24678	.23782	.20603
#1	6429.7	86138.	5941.9	4604.4	7838.3
#2	6447.6	86298.	5969.9	4622.2	7851.4
#3	6403.5	86964.	5963.8	4624.4	7819.3

Sample Name: S1 Acquired: 10/10/2025 11:31:46 Type: Cal
Method: 6010-200.7 NEW(v276) 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	.00115	.00240	.00251	.00239	.00565	.00333	.26098	.07348
Stddev	.00015	.00018	.00007	.00013	.00006	.00013	.00166	.00094
%RSD	13.140	7.3765	2.9460	5.4444	1.0430	4.0421	.63452	1.2745

#1	.00103	.00260	.00248	.00239	.00559	.00323	.26130	.07358
#2	.00132	.00225	.00246	.00226	.00565	.00348	.25919	.07250
#3	.00110	.00236	.00260	.00252	.00571	.00327	.26246	.07436

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	.01781	.10444	.00233	.03095	.01456	.00024	.00918	.02699
Stddev	.00031	.00041	.00005	.00014	.00014	.00003	.00017	.00050
%RSD	1.7484	.38992	2.2285	.44528	.94880	11.776	1.8275	1.8563

#1	.01745	.10445	.00230	.03100	.01470	.00023	.00932	.02746
#2	.01798	.10403	.00239	.03079	.01442	.00027	.00923	.02705
#3	.01799	.10485	.00230	.03105	.01457	.00022	.00900	.02646

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	.02407	.00167	.01446	.00451	.11464	.00702	.13246	.13302
Stddev	.00022	.00001	.00019	.00018	.00038	.00010	.00055	.00027
%RSD	.90380	.45692	1.3000	3.9612	.33092	1.3876	.41880	.20262

#1	.02385	.00167	.01427	.00457	.11495	.00701	.13183	.13274
#2	.02410	.00166	.01465	.00465	.11422	.00712	.13270	.13328
#3	.02428	.00167	.01446	.00431	.11477	.00692	.13286	.13306

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	.00983	.01749	.00100	-.00051	.00102	.02552	.16094
Stddev	.00003	.00036	.00002	.00006	.00009	.00201	.00148
%RSD	.28243	2.0640	2.4181	11.746	9.1152	7.8914	.91794

#1	.00981	.01741	.00097	-.00056	.00093	.02662	.16229
#2	.00981	.01717	.00100	-.00044	.00111	.02319	.16116
#3	.00986	.01788	.00102	-.00053	.00101	.02674	.15936

Sample Name: S1 Acquired: 10/10/2025 11:31:46 Type: Cal
Method: 6010-200.7 NEW(v276) 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	6315.7	90971.	6359.4	4799.8	7665.3
Stddev	18.7	140.	32.5	28.8	30.0
%RSD	.29562	.15366	.51112	.60071	.39092
#1	6322.8	90961.	6323.3	4774.3	7683.3
#2	6329.8	90836.	6386.3	4793.9	7682.0
#3	6294.5	91115.	6368.7	4831.1	7630.7

Sample Name: S2 Acquired: 10/10/2025 11:36:01 Type: Cal
Method: 6010-200.7 NEW(v276) 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	.04564	.03604	.15854	.03833	.07332	.02948	2.7534	.50090
Stddev	.00021	.00085	.00039	.00008	.00010	.00198	.0186	.00376
%RSD	.46473	2.3561	.24427	.19898	.13204	6.7264	.67629	.75012

#1	.04568	.03701	.15836	.03842	.07326	.02805	2.7445	.49776
#2	.04541	.03568	.15827	.03828	.07326	.02865	2.7747	.49987
#3	.04583	.03543	.15898	.03829	.07343	.03174	2.7408	.50506

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	1.1679	.19993	.03472	.39478	.13122	.00174	.16940	.04897
Stddev	.0009	.00121	.00017	.00026	.00039	.00001	.00105	.00027
%RSD	.07921	.60468	.49389	.06631	.29905	.85725	.61751	.54233

#1	1.1685	.19901	.03462	.39449	.13083	.00175	.16834	.04866
#2	1.1668	.20130	.03461	.39489	.13120	.00174	.17043	.04908
#3	1.1683	.19949	.03491	.39498	.13161	.00172	.16944	.04916

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	.23482	.04060	.02496	.04991	1.0185	.01276	.98219	.52593
Stddev	.00018	.00015	.00021	.00071	.0019	.00014	.00536	.00133
%RSD	.07604	.37208	.84762	1.4137	.18443	1.1059	.54527	.25336

#1	.23485	.04053	.02478	.05007	1.0166	.01260	.97648	.52601
#2	.23498	.04049	.02519	.05052	1.0186	.01284	.98299	.52456
#3	.23462	.04077	.02490	.04914	1.0204	.01284	.98710	.52722

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	.13258	.31092	.00185	.03365	.02194	.74274	5.8082
Stddev	.00021	.00110	.00001	.00022	.00021	.00361	.0324
%RSD	.15942	.35488	.61719	.65551	.96609	.48664	.55761

#1	.13268	.30965	.00184	.03380	.02198	.73863	5.7866
#2	.13234	.31163	.00186	.03339	.02172	.74541	5.8455
#3	.13273	.31149	.00185	.03375	.02214	.74419	5.7926

Sample Name: S2 Acquired: 10/10/2025 11:36:01 Type: Cal
Method: 6010-200.7 NEW(v276) 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	6220.7	88471.	6011.9	4660.4	7439.0
Stddev	9.5	71.	25.7	21.2	10.6
%RSD	.15283	.08041	.42818	.45504	.14275
#1	6224.8	88427.	6036.8	4673.0	7434.7
#2	6227.5	88433.	6013.4	4672.3	7451.1
#3	6209.8	88554.	5985.4	4636.0	7431.2

Sample Name: S3 Acquired: 10/10/2025 11:40:04 Type: Cal
Method: 6010-200.7 NEW(v276) 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	.14275	.11534	.50177	.11535	.22545	.09130	8.7436	1.6960
Stddev	.00012	.00245	.00048	.00018	.00058	.00048	.0348	.0134
%RSD	.08326	2.1261	.09631	.15231	.25852	.52468	.39822	.78803

#1	.14275	.11683	.50184	.11551	.22509	.09077	8.7821	1.7043
#2	.14286	.11668	.50126	.11537	.22514	.09142	8.7143	1.6806
#3	.14262	.11251	.50222	.11516	.22612	.09170	8.7343	1.7031

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	3.7791	.64883	.11004	1.2634	.40971	.00535	.54331	.15677
Stddev	.0067	.00335	.00037	.0018	.00047	.00003	.00078	.00048
%RSD	.17680	.51640	.33547	.14318	.11433	.60176	.14288	.30776

#1	3.7868	.64785	.11019	1.2647	.41020	.00535	.54408	.15635
#2	3.7748	.65257	.11031	1.2613	.40966	.00539	.54253	.15666
#3	3.7757	.64608	.10962	1.2641	.40927	.00533	.54333	.15730

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	.74950	.13006	.07276	.16227	3.2097	.03988	3.2612	1.6464
Stddev	.00005	.00011	.00070	.00117	.0090	.00037	.0352	.0015
%RSD	.00625	.08320	.95682	.72116	.28159	.93435	1.0790	.09081

#1	.74955	.13018	.07296	.16362	3.2195	.03989	3.2798	1.6480
#2	.74946	.13001	.07333	.16149	3.2017	.04025	3.2206	1.6450
#3	.74950	.12998	.07198	.16172	3.2079	.03951	3.2832	1.6461

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	.41503	.98761	.00552	.11291	.07006	2.3535	18.713
Stddev	.00067	.00148	.00005	.00038	.00052	.0078	.097
%RSD	.16155	.15027	.91825	.33855	.73656	.33268	.52042

#1	.41549	.98910	.00553	.11307	.07022	2.3621	18.825
#2	.41534	.98613	.00556	.11318	.07047	2.3469	18.649
#3	.41426	.98761	.00546	.11247	.06948	2.3515	18.664

Sample Name: S3 Acquired: 10/10/2025 11:40:04 Type: Cal
Method: 6010-200.7 NEW(v276) 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	6363.2	87486.	5720.7	4655.3	7395.5
Stddev	8.7	257.	41.3	20.5	9.8
%RSD	.13625	.29382	.72240	.44099	.13263
#1	6353.9	87459.	5703.6	4640.8	7384.2
#2	6371.1	87244.	5767.8	4646.3	7400.3
#3	6364.6	87755.	5690.6	4678.8	7402.0

Sample Name: S4 Acquired: 10/10/2025 11:44:03 Type: Cal
Method: 6010-200.7 NEW(v276) 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	.28441	.22845	1.0012	.22726	.44601	.19031	17.577	3.2583
Stddev	.00039	.00387	.0023	.00046	.00066	.00093	.078	.0319
%RSD	.13844	1.6925	.23025	.20129	.14900	.48695	.44505	.97842

#1	.28466	.22969	1.0034	.22770	.44664	.19136	17.645	3.2737
#2	.28396	.23155	1.0014	.22729	.44532	.18995	17.595	3.2795
#3	.28462	.22412	.99878	.22678	.44608	.18962	17.492	3.2216

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	7.5844	1.2842	.21576	2.5211	.79806	.01103	1.0828	.31284
Stddev	.0174	.0030	.00066	.0051	.00153	.00010	.0027	.00230
%RSD	.22971	.23514	.30759	.20133	.19116	.94123	.25386	.73519

#1	7.6038	1.2874	.21652	2.5268	.79964	.01109	1.0855	.31160
#2	7.5793	1.2837	.21530	2.5193	.79796	.01091	1.0830	.31549
#3	7.5701	1.2814	.21545	2.5171	.79660	.01108	1.0800	.31142

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	1.4905	.25758	.15248	.32624	6.3661	.08265	6.3892	3.2754
Stddev	.0039	.00117	.00124	.00067	.0447	.00059	.0729	.0037
%RSD	.26242	.45339	.81122	.20409	.70272	.70980	1.1410	.11170

#1	1.4949	.25891	.15272	.32671	6.4157	.08311	6.4278	3.2794
#2	1.4892	.25708	.15114	.32653	6.3539	.08199	6.4347	3.2745
#3	1.4874	.25674	.15358	.32548	6.3288	.08285	6.3051	3.2723

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	.83070	1.9958	.01140	.23142	.14284	4.7319	37.496
Stddev	.00193	.0046	.00007	.00078	.00044	.0199	.512
%RSD	.23202	.23186	.64798	.33913	.30478	.42101	1.3651

#1	.83292	1.9992	.01144	.23232	.14332	4.7430	37.233
#2	.82958	1.9977	.01131	.23105	.14275	4.7439	38.085
#3	.82959	1.9906	.01144	.23090	.14246	4.7089	37.168

Sample Name: S4 Acquired: 10/10/2025 11:44:03 Type: Cal
Method: 6010-200.7 NEW(v276) 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	6247.2	84652.	5699.5	4505.3	7129.0
Stddev	13.7	395.	32.8	21.5	20.1
%RSD	.21898	.46658	.57507	.47724	.28252
#1	6235.3	84386.	5695.1	4481.7	7109.7
#2	6244.1	85106.	5669.2	4523.7	7127.6
#3	6262.2	84464.	5734.3	4510.4	7149.9

Sample Name: S5 Acquired: 10/10/2025 11:48:09 Type: Cal
Method: 6010-200.7 NEW(v276) 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	.60140	.47408	2.1071	.48244	.93640	.41581	35.391	6.2762
Stddev	.00092	.02169	.0024	.00209	.00245	.00361	.204	.0440
%RSD	.15332	4.5754	.11219	.43330	.26207	.86830	.57666	.70187

#1	.60245	.49443	2.1085	.48485	.93919	.41420	35.260	6.2837
#2	.60069	.47654	2.1044	.48137	.93544	.41327	35.286	6.2289
#3	.60107	.45126	2.1084	.48109	.93456	.41994	35.626	6.3161

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	15.865	2.5692	.43595	5.2914	1.6408	.02287	2.1751	.63961
Stddev	.007	.0059	.00063	.0039	.0029	.00003	.0146	.00182
%RSD	.04309	.22929	.14387	.07418	.17929	.12220	.67308	.28452

#1	15.873	2.5716	.43587	5.2960	1.6439	.02290	2.1690	.64047
#2	15.861	2.5625	.43661	5.2892	1.6381	.02286	2.1645	.63752
#3	15.861	2.5736	.43536	5.2891	1.6404	.02285	2.1918	.64085

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	3.1294	.52064	.32909	.66979	12.749	.17508	12.285	6.6974
Stddev	.0013	.00088	.00070	.00066	.035	.00047	.097	.0111
%RSD	.04062	.16937	.21419	.09795	.27288	.26909	.78829	.16527

#1	3.1302	.52151	.32828	.66921	12.762	.17458	12.314	6.7101
#2	3.1279	.52065	.32943	.66967	12.776	.17551	12.177	6.6897
#3	3.1300	.51975	.32956	.67050	12.710	.17515	12.365	6.6925

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	1.7300	4.0497	.02467	.49571	.31588	9.5994	76.311
Stddev	.0027	.0234	.00012	.00146	.00243	.0539	.302
%RSD	.15295	.57703	.50151	.29420	.77074	.56097	.39613

#1	1.7329	4.0462	.02456	.49740	.31861	9.5673	76.503
#2	1.7277	4.0283	.02480	.49485	.31508	9.5694	75.963
#3	1.7294	4.0747	.02463	.49489	.31394	9.6616	76.468

Sample Name: S5 Acquired: 10/10/2025 11:48:09 Type: Cal
Method: 6010-200.7 NEW(v276) 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	5813.4	84542.	5916.8	4382.1	6484.1
Stddev	8.7	210.	27.9	24.6	8.8
%RSD	.15050	.24826	.47122	.56125	.13614
#1	5823.4	84412.	5909.0	4401.4	6494.2
#2	5808.9	84431.	5947.8	4354.4	6477.6
#3	5807.8	84784.	5893.7	4390.6	6480.6

Sample Name: ICV01 Acquired: 10/10/2025 11:52:22 Type: Unk
Method: 6010-200.7 NEW(v276) 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	3.890425	3.733430	3.808280	3.903953	4.005046	7.535000
Stddev	.013291	.098404	.011972	.016657	.007300	.085254
%RSD	.3416436	2.635765	.3143593	.4266822	.1822750	1.131438

#1	3.876336	3.708482	3.797630	3.892418	3.996757	7.623625
#2	3.892198	3.649901	3.805974	3.896392	4.010519	7.527802
#3	3.902741	3.841907	3.821237	3.923050	4.007861	7.453574

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.745444	.1957516	1.942928	19.53562	.8195445	1.964714
Stddev	.047258	.0014121	.003881	.01851	.0002571	.004518
%RSD	.6101336	.7213755	.1997480	.0947351	.0313701	.2299379

#1	7.791850	.1962035	1.940332	19.53729	.8197616	1.961638
#2	7.747104	.1968824	1.941063	19.55324	.8196113	1.962603
#3	7.697378	.1941689	1.947390	19.51634	.8192606	1.969901

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.003813	4.140052	1.925422	19.40246	1.972388	.9837407
Stddev	.002021	.026411	.012893	.05006	.005137	.0015681
%RSD	.2013296	.6379405	.6696105	.2580260	.2604273	.1593991

#1	1.001899	4.158801	1.938851	19.43372	1.968316	.9826274
#2	1.003615	4.109847	1.924274	19.42893	1.970688	.9855340
#3	1.005926	4.151509	1.913142	19.34472	1.978158	.9830607

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.00715	1.942278	2.026742	20.30533	3.765287	4.004200
Stddev	.13898	.006786	.005195	.15157	.030395	.007987
%RSD	.6946647	.3493623	.2563471	.7464663	.8072405	.1994608

#1	20.15782	1.935024	2.023807	20.37404	3.767063	3.998394
#2	19.88396	1.948470	2.032740	20.13157	3.794756	4.000896
#3	19.97968	1.943340	2.023677	20.41038	3.734044	4.013308

Sample Name: ICV01 Acquired: 10/10/2025 11:52:22 Type: Unk
Method: 6010-200.7 NEW(v276) 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	3.935380	3.873867	3.890329	F .0009081	F .0225386	F .0000408
Stddev	.015889	.010361	.020973	.0006130	.0013843	.0011041
%RSD	.4037491	.2674697	.5391124	67.51000	6.141849	2707.272

#1	3.923793	3.884810	3.892320	.0011771	.0210110	.0003397
#2	3.928855	3.872584	3.868432	.0013407	.0237098	-.001182
#3	3.953493	3.864207	3.910236	.0002065	.0228951	.000965

Elem	Sr4077
Units	ppm
Avg	F -.003154
Stddev	.000112
%RSD	3.565568

#1	-.003026
#2	-.003201
#3	-.003236

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6376.564	85966.46	6319.202	4482.738	7373.918
Stddev	6.668	256.63	34.292	5.515	18.048
%RSD	.1045679	.2985238	.5426575	.1230195	.2447586

#1	6381.988	85926.15	6303.444	4484.697	7386.214
#2	6378.584	86240.86	6295.622	4476.511	7382.343
#3	6369.120	85732.37	6358.540	4487.006	7353.198

Sample Name: LLICV01 Acquired: 10/10/2025 12:00:45 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0208490	.0413417	.0126101	.0193030	.0522210	.0910638	.1059013
Stddev	.0020158	.0022883	.0016191	.0016337	.0014787	.0630249	.0005813
%RSD	9.668499	5.535101	12.83978	8.463641	2.831628	69.20959	.5489282

#1	.0185260	.0437474	.0108537	.0211305	.0530719	.1575906	.1058246
#2	.0218824	.0410854	.0129335	.0179839	.0505136	.0833497	.1065171
#3	.0221385	.0391924	.0140431	.0187946	.0530776	.0322510	.1053621

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063007	.0059526	2.079048	.0108483	.0301414	.0224560	.1184427
Stddev	.0000344	.0000398	.015645	.0002231	.0001812	.0002078	.0135606
%RSD	.5465631	.6689906	.7525136	2.056488	.6013452	.9252548	11.44911

#1	.0062684	.0059175	2.064951	.0111046	.0303501	.0222831	.1336966
#2	.0062967	.0059959	2.076313	.0106977	.0300502	.0226865	.1138782
#3	.0063369	.0059445	2.095881	.0107426	.0300238	.0223984	.1077533

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206163	2.178673	.0407250	.0106973	2.149297	.0390431	.0464536
Stddev	.0002070	.029406	.0002853	.0004275	.027718	.0009161	.0000605
%RSD	1.004322	1.349735	.7004778	3.995980	1.289639	2.346450	.1302559

#1	.0204062	2.212474	.0408056	.0110771	2.154847	.0399860	.0463938
#2	.0206227	2.164575	.0409613	.0102343	2.119224	.0381563	.0464523
#3	.0208202	2.158970	.0404081	.0107803	2.173821	.0389870	.0465148

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.106434	.1026541	.2014474	.0388809	.0373553	.4028970	.0183119
Stddev	.040643	.0005272	.0005268	.0004998	.0013901	.0163914	.0007465
%RSD	1.929487	.5135888	.2614913	1.285444	3.721250	4.068377	4.076436

#1	2.060065	.1028593	.2009275	.0385250	.0383446	.4192422	.0183881
#2	2.135886	.1030479	.2019808	.0394523	.0379553	.4029889	.0190174
#3	2.123352	.1020552	.2014338	.0386654	.0357659	.3864599	.0175303

Sample Name: LLICV01 Acquired: 10/10/2025 12:00:45 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0176532	.0229838	.0209376
Stddev	.0005324	.0014017	.0002931
%RSD	3.015624	6.098732	1.399875

#1	.0181752	.0216840	.0210045
#2	.0176734	.0244690	.0206169
#3	.0171110	.0227985	.0211915

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6341.433	82193.80	6180.407	4363.546	7685.040
Stddev	10.066	393.34	19.488	22.371	7.807
%RSD	.1587349	.4785561	.3153156	.5126758	.1015935

#1	6352.833	82164.89	6190.580	4357.688	7693.973
#2	6333.770	82600.80	6157.937	4388.264	7681.620
#3	6337.697	81815.70	6192.703	4344.688	7679.525

Sample Name: ICB01 Acquired: 10/10/2025 12:11:12 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.001301	-.001434	-.000980	.0006246	.0004925	.0445525	.0032786
Stddev	.000926	.002712	.000077	.0033763	.0009214	.0395374	.0028872
%RSD	71.17747	189.0737	7.874573	540.5194	187.0770	88.74336	88.06268

#1	-.002174	.001532	-.000946	.0023341	.0009347	.0685462	.0000766
#2	-.001399	-.003785	-.001069	.0028043	-.000567	-.001081	.0056835
#3	-.000330	-.002049	-.000926	-.003265	.001110	.066192	.0040757

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000941	-.000017	-.004385	.0004789	-.000169	.0003237	.0026464
Stddev	.0000245	.000012	.014142	.0001054	.000178	.0000585	.0134950
%RSD	26.00431	68.93966	322.5223	22.01399	105.2320	18.07320	509.9378

#1	.0000690	-.000030	-.016514	.0003642	.000008	.0003174	-.010157
#2	.0000954	-.000006	.011149	.0005715	-.000167	.0002687	.001357
#3	.0001179	-.000016	-.007790	.0005010	-.000347	.0003852	.016740

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000578	.0159197	.0004621	.0002677	-.134516	.0023213	.0047853
Stddev	.000670	.0258991	.0003551	.0004047	.039772	.0010638	.0001535
%RSD	116.0692	162.6858	76.85207	151.1730	29.56704	45.82551	3.207819

#1	-.000337	-.009293	.0005940	-.000190	-.180371	.0032060	.0049099
#2	-.001335	.042455	.0007325	.000576	-.113795	.0011410	.0046138
#3	-.000060	.014597	.0000599	.000417	-.109383	.0026169	.0048321

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.110964	-.003221	-.000064	-.001470	-.001116	-.003436	-.000886
Stddev	.037752	.000142	.000157	.000269	.000767	.009787	.001016
%RSD	34.02172	4.396274	243.0573	18.28285	68.74126	284.8292	114.6936

#1	-.151962	-.003384	-.000166	-.001780	-.001603	.007024	.000260
#2	-.103294	-.003138	-.000143	-.001321	-.001515	-.012369	-.001677
#3	-.077636	-.003140	.000116	-.001309	-.000232	-.004963	-.001241

Sample Name: ICB01 Acquired: 10/10/2025 12:11:12 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.001450	-.000816	-.000350
Stddev	.001890	.000886	.000020
%RSD	130.3599	108.6068	5.798896

#1	.000476	.000080	-.000364
#2	-.003302	-.001693	-.000359
#3	-.001523	-.000835	-.000327

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6285.518	89997.88	6111.357	4641.568	7775.428
Stddev	16.003	288.48	21.916	12.888	17.926
%RSD	.2545995	.3205428	.3586169	.2776703	.2305429

#1	6298.513	90003.97	6093.471	4631.056	7781.877
#2	6290.397	90283.26	6135.805	4655.947	7789.237
#3	6267.643	89706.40	6104.796	4637.700	7755.170

Sample Name: CRI01 Acquired: 10/10/2025 12:15:52 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0193423	.0431343	.0119493	.0199473	.0491771	.1117477	.0981313
Stddev	.0012008	.0026570	.0005846	.0015390	.0015434	.0458262	.0013065
%RSD	6.207970	6.159838	4.892501	7.715158	3.138424	41.00864	1.331397

#1	.0184728	.0438403	.0122273	.0209451	.0491996	.1099136	.0985905
#2	.0207124	.0453669	.0112776	.0181749	.0476226	.1584635	.0966572
#3	.0188418	.0401956	.0123431	.0207218	.0507091	.0668661	.0991463

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064538	.0057933	2.045195	.0103850	.0294198	.0218378	.1021622
Stddev	.0001035	.0000348	.013760	.0001521	.0001714	.0004083	.0032558
%RSD	1.603191	.6000087	.6727729	1.464605	.5827645	1.869915	3.186933

#1	.0065598	.0058259	2.059633	.0104326	.0295917	.0218049	.1032890
#2	.0064485	.0057973	2.032234	.0105075	.0292488	.0222615	.0984926
#3	.0063531	.0057567	2.043717	.0102147	.0294189	.0214468	.1047049

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0192603	2.078067	.0399197	.0102832	1.854617	.0415408	.0449477
Stddev	.0003099	.048952	.0001629	.0003298	.017495	.0019473	.0002309
%RSD	1.608905	2.355671	.4079529	3.207372	.9433314	4.687618	.5136995

#1	.0190325	2.066740	.0399467	.0099259	1.834416	.0431436	.0447979
#2	.0191353	2.035772	.0397450	.0103478	1.864570	.0393737	.0448315
#3	.0196132	2.131690	.0400674	.0105760	1.864864	.0421052	.0452136

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.889292	.0945850	.1973401	.0357659	.0365046	.3684189	.0187876
Stddev	.066966	.0013874	.0005066	.0000984	.0008665	.0067887	.0011907
%RSD	3.544477	1.466789	.2567204	.2751140	2.373773	1.842657	6.337858

#1	1.815849	.0961756	.1979162	.0357476	.0368706	.3636288	.0191031
#2	1.905062	.0936243	.1971403	.0358721	.0355152	.3761877	.0197889
#3	1.946966	.0939551	.1969639	.0356779	.0371282	.3654401	.0174709

Sample Name: CRI01 Acquired: 10/10/2025 12:15:52 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0195537	.0214736	.0199083
Stddev	.0001181	.0024273	.0003464
%RSD	.6041974	11.30373	1.739836

#1	.0194181	.0191040	.0199262
#2	.0196081	.0213620	.0195533
#3	.0196348	.0239548	.0202453

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6495.640	85995.81	6197.229	4455.067	7881.317
Stddev	8.171	334.44	43.442	19.382	3.729
%RSD	.1257901	.3889030	.7009829	.4350461	.0473203

#1	6492.461	86142.74	6147.229	4448.218	7878.747
#2	6489.537	85613.06	6218.733	4440.040	7879.609
#3	6504.923	86231.64	6225.723	4476.943	7885.594

Sample Name: ICSA01 Acquired: 10/10/2025 12:29:32 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0055653	.0173401	-.002657	-.004736	.0009223	251.6151
Stddev	.0023292	.0075369	.001336	.004851	.0048798	.3440
%RSD	41.85245	43.46535	50.29988	102.4375	529.1097	.1367244

#1	.0068615	.0220827	-.004058	-.006853	.0058846	251.5482
#2	.0069580	.0212884	-.002514	.000814	-.003871	251.3093
#3	.0028763	.0086493	-.001397	-.008169	.000753	251.9876

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043265	.0015604	.0014649	242.5833	.0494832	.0012551
Stddev	.0012880	.0000835	.0001338	.4583	.0002856	.0001756
%RSD	29.76995	5.352640	9.131445	.1889280	.5772667	13.99067

#1	.0056501	.0015665	.0014203	243.0349	.0492750	.0011077
#2	.0030774	.0016407	.0016152	242.1186	.0493657	.0012084
#3	.0042519	.0014740	.0013591	242.5963	.0498088	.0014494

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.007167	99.69689	-.001898	253.0664	.0036819	.0011693
Stddev	.000982	1.12830	.001328	.3080	.0005962	.0006541
%RSD	13.69621	1.131728	69.96117	.1217254	16.19136	55.93975

#1	-.006770	99.38605	-.002857	253.4219	.0032233	.0015475
#2	-.006447	98.75661	-.000382	252.9002	.0034666	.0004140
#3	-.008286	100.9480	-.002455	252.8772	.0043558	.0015465

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0550170	.0076277	-.006802	-.015020	-.003701	.0001633
Stddev	.0351546	.0016997	.000047	.031178	.003831	.0001843
%RSD	63.89770	22.28365	.6894755	207.5807	103.5114	112.8603

#1	.0154029	.0094133	-.006762	-.002250	-.003864	.0000717
#2	.0671500	.0074404	-.006854	.007746	-.007448	.0003754
#3	.0824980	.0060294	-.006791	-.050555	.000209	.0000428

Sample Name: ICSA01 Acquired: 10/10/2025 12:29:32 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0043648	-.005701	.0181199	.0032106	.0171636	F -.031262
Stddev	.0014268	.001269	.0092727	.0022998	.0033706	.002123
%RSD	32.68757	22.26265	51.17396	71.63046	19.63826	6.789417

#1	.0052126	-.006296	.0274036	.0006940	.0132807	-.033338
#2	.0027176	-.006562	.0088583	.0037348	.0188740	-.029096
#3	.0051642	-.004243	.0180979	.0052031	.0193362	-.031353

Elem	Sr4077
Units	ppm
Avg	.0049868
Stddev	.0010755
%RSD	21.56760

#1	.0057135
#2	.0054957
#3	.0037513

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5709.448	81890.12	5850.925	4286.028	6269.206
Stddev	8.233	474.35	41.110	28.300	12.586
%RSD	.1442075	.5792466	.7026209	.6602897	.2007634

#1	5700.295	81807.02	5808.307	4253.367	6254.681
#2	5716.251	82400.52	5854.130	4301.445	6276.871
#3	5711.798	81462.81	5890.339	4303.272	6276.068

Sample Name: ICSAB01 Acquired: 10/10/2025 12:33:42 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.1109676	.1132249	.0478839	.0503126	.6277125	258.4714
Stddev	.0037349	.0008273	.0007142	.0014652	.0065106	.2002
%RSD	3.365755	.7306693	1.491489	2.912187	1.037193	.0774419

#1	.1070383	.1124433	.0477576	.0495057	.6264684	258.5108
#2	.1113929	.1140914	.0472413	.0494283	.6219138	258.6489
#3	.1144716	.1131399	.0486528	.0520039	.6347554	258.2545

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5172646	.5176603	1.034099	245.2657	.5856144	.5207534
Stddev	.0030914	.0049949	.000455	1.0526	.0006502	.0002918
%RSD	.5976464	.9649031	.0440122	.4291729	.1110270	.0560279

#1	.5200581	.5126839	1.034611	245.0147	.5862705	.5207907
#2	.5139432	.5176236	1.033740	244.3613	.5849703	.5210246
#3	.5177926	.5226735	1.033948	246.4211	.5856024	.5204447

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4917764	106.8393	.4987109	258.4291	1.040523	.2216010
Stddev	.0011833	.8719	.0011900	.1767	.000817	.0007846
%RSD	.2406096	.8160673	.2386107	.0683919	.0785505	.3540616

#1	.4905650	107.8459	.4997945	258.2615	1.039591	.2209255
#2	.4929294	106.3538	.4974374	258.4120	1.040860	.2224616
#3	.4918349	106.3182	.4989010	258.6138	1.041117	.2214160

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1131526	.5126826	1.091560	-.027592	1.005557	1.057789
Stddev	.0363918	.0083769	.001848	.031031	.002773	.000142
%RSD	32.16170	1.633942	.1692539	112.4604	.2758027	.0134522

#1	.0931718	.5041882	1.090465	.008040	1.003584	1.057886
#2	.1551577	.5209369	1.090522	-.042147	1.004359	1.057856
#3	.0911284	.5129227	1.093693	-.048671	1.008728	1.057626

Sample Name: ICSAB01 Acquired: 10/10/2025 12:33:42 Type: Unk
Method: 6010-200.7 NEW(v276) 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	1.057408	1.025092	1.094939	F .0031004	F -.002994	F -.029760
Stddev	.001957	.001208	.006892	.0018577	.001975	.000803
%RSD	.1850393	.1178657	.6294633	59.91731	65.95612	2.699383

#1	1.058973	1.023730	1.092658	.0020918	-.004426	-.030683
#2	1.055214	1.025511	1.102683	.0052443	-.000741	-.029217
#3	1.058038	1.026035	1.089477	.0019652	-.003815	-.029381

Elem	Sr4077
Units	ppm
Avg	F -.000276
Stddev	.000691
%RSD	250.5164

#1	-.000929
#2	-.000345
#3	.000447

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5696.755	77019.86	5898.348	4002.892	6259.781
Stddev	5.443	171.74	43.422	4.900	5.289
%RSD	.0955466	.2229822	.7361692	.1223997	.0844927

#1	5699.985	76961.15	5946.235	4008.520	6255.461
#2	5690.471	76885.18	5887.274	3999.576	6258.203
#3	5699.809	77213.26	5861.536	4000.580	6265.680

Sample Name: ICSA01DLX20 Acquired: 10/10/2025 12:37:43 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000657	.0018913	.0007868	-.002719	-.000825	13.44766	.0043346
Stddev	.001264	.0015205	.0012558	.000714	.001875	.01797	.0019080
%RSD	192.3602	80.39040	159.6125	26.26109	227.1335	.1336155	44.01849

#1	.000413	.0029225	-.000156	-.003502	.001333	13.45235	.0060761
#2	-.002051	.0001452	.002212	-.002551	-.001764	13.46282	.0022952
#3	-.000333	.0026063	.000304	-.002104	-.002045	13.42781	.0046324

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002475	.0000857	13.44016	.0034526	.0007025	.0005330	5.391927
Stddev	.0001147	.0000897	.02053	.0003266	.0001006	.0001918	.061040
%RSD	46.36192	104.6924	.1527531	9.458047	14.31740	35.99319	1.132067

#1	.0003794	.0001761	13.43533	.0030854	.0005894	.0007437	5.322743
#2	.0001919	.0000842	13.46267	.0035621	.0007360	.0003683	5.438184
#3	.0001711	-.000003	13.42247	.0037104	.0007820	.0004870	5.414856

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000835	13.84688	.0010776	.0003486	-.080780	.0001821	.0037096
Stddev	.000210	.04176	.0001625	.0001200	.012743	.0035488	.0001059
%RSD	25.14722	.3016131	15.08130	34.42775	15.77442	1949.303	2.853649

#1	-.000594	13.89287	.0009679	.0002178	-.094347	-.000366	.0036211
#2	-.000978	13.83643	.0012643	.0003743	-.078929	-.003061	.0038269
#3	-.000934	13.81133	.0010006	.0004537	-.069064	.003973	.0036807

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.201064	-.002892	.0027676	.0110408	.0020416	-.008877	.0005915
Stddev	.069280	.000695	.0003068	.0003674	.0014313	.015010	.0021110
%RSD	34.45647	24.03588	11.08612	3.327203	70.10348	169.0878	356.9015

#1	-.180663	-.002938	.0028050	.0114547	.0008163	-.010961	.0028532
#2	-.278254	-.002175	.0024438	.0109142	.0016939	-.022736	-.001327
#3	-.144276	-.003563	.0030540	.0107534	.0036147	.007066	.000248

Sample Name: ICSA01DLX20 Acquired: 10/10/2025 12:37:43 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0230699	-.003883	.0001670
Stddev	.0001311	.000626	.0001100
%RSD	.5681853	16.12000	65.85336
#1	.0232192	-.003926	.0001566
#2	.0229735	-.004487	.0002818
#3	.0230170	-.003237	.0000626

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6124.743	83508.80	5847.758	4332.078	7316.862
Stddev	6.878	426.73	23.199	21.090	2.189
%RSD	.1122938	.5110013	.3967115	.4868286	.0299237
#1	6121.193	83855.05	5821.000	4334.578	7314.340
#2	6132.670	83032.06	5860.049	4309.850	7317.976
#3	6120.366	83639.30	5862.226	4351.807	7318.270

Sample Name: ICSAB01DLX20 Acquired: 10/10/2025 12:41:58 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046605	.0050522	.0031139	-.001949	.0303563	12.49989	.0249042
Stddev	.0006770	.0043253	.0006150	.001583	.0003876	.03283	.0012997
%RSD	14.52615	85.61206	19.75003	81.22444	1.276942	.2626192	5.218912

#1	.0039049	.0075948	.0035893	-.001430	.0301718	12.52877	.0247427
#2	.0048648	.0075036	.0033330	-.000690	.0300955	12.50671	.0236928
#3	.0052118	.0000581	.0024193	-.003725	.0308018	12.46419	.0262771

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0281913	.0498452	12.58268	.0298258	.0249832	.0263866	4.952310
Stddev	.0001569	.0000570	.04477	.0005426	.0001298	.0000980	.021518
%RSD	.5564089	.1142822	.3558032	1.819243	.5196937	.3716033	.4345065

#1	.0283481	.0498847	12.63433	.0294139	.0250444	.0263543	4.959712
#2	.0281913	.0497799	12.55502	.0304406	.0248341	.0264968	4.928068
#3	.0280344	.0498710	12.55869	.0296229	.0250712	.0263088	4.969150

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0235680	12.91126	.0502380	.0101565	-.093041	.0235592	.0577844
Stddev	.0002860	.02436	.0004786	.0005462	.019073	.0031721	.0005609
%RSD	1.213601	.1886368	.9525880	5.377521	20.49974	13.46441	.9706417

#1	.0235311	12.92348	.0503643	.0101328	-.094049	.0244178	.0571701
#2	.0233021	12.88322	.0497090	.0107142	-.111591	.0200461	.0579137
#3	.0238706	12.92709	.0506407	.0096226	-.073484	.0262136	.0582693

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.121152	.0440556	.0499533	.0449995	.0448987	.0462990	-.000637
Stddev	.094989	.0004234	.0000789	.0006664	.0004662	.0112540	.001500
%RSD	78.40489	.9609626	.1578898	1.480867	1.038307	24.30726	235.5302

#1	-.177339	.0437648	.0500296	.0454030	.0443875	.0580938	.000452
#2	-.174639	.0445413	.0499583	.0453653	.0453004	.0356778	-.000015
#3	-.011479	.0438607	.0498721	.0442304	.0450082	.0451254	-.002347

Sample Name: ICSAB01DLX20 Acquired: 10/10/2025 12:41:58 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01DLX20 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003132	.0002532	.0000935
Stddev	.001026	.0022320	.0001230
%RSD	32.77205	881.4379	131.4974

#1	-.002383	.0015739	.0001025
#2	-.002712	-.002324	.0002118
#3	-.004302	.001510	-.000034

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6207.335	82152.50	5650.497	4269.321	7427.259
Stddev	4.479	270.17	25.887	1.625	6.275
%RSD	.0721525	.3288668	.4581309	.0380731	.0844863

#1	6205.699	82458.13	5664.802	4269.105	7421.614
#2	6203.905	81945.52	5620.614	4267.814	7434.015
#3	6212.402	82053.83	5666.074	4271.043	7426.147

Sample Name: CCV01 Acquired: 10/10/2025 12:52:28 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.912360	4.813160	4.860556	4.901536	4.917884	9.771716	9.653696
Stddev	.013831	.182215	.003164	.019963	.012642	.015443	.022822
%RSD	.2815451	3.785775	.0650921	.4072761	.2570651	.1580329	.2364026

#1	4.898228	4.603024	4.861943	4.879121	4.909208	9.786284	9.659536
#2	4.912984	4.927428	4.862789	4.908086	4.912055	9.755527	9.628522
#3	4.925868	4.909028	4.856935	4.917401	4.932389	9.773336	9.673030

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2547487	2.440035	24.96272	1.003607	2.432170	1.227727	4.814854
Stddev	.0016371	.003915	.11850	.002115	.003208	.001537	.021541
%RSD	.6426309	.1604656	.4747160	.2106992	.1318837	.1251621	.4473762

#1	.2529312	2.441358	24.92438	1.006010	2.432428	1.226100	4.839713
#2	.2552071	2.443117	24.86813	1.002781	2.435241	1.229154	4.801703
#3	.2561077	2.435629	25.09564	1.002031	2.428841	1.227925	4.803147

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.430465	24.37133	2.436187	1.242999	22.89337	2.457336	2.513481
Stddev	.004239	.11201	.003547	.001385	.23246	.015308	.005571
%RSD	.1743915	.4596144	.1455788	.1114003	1.015400	.6229428	.2216416

#1	2.426486	24.41573	2.436661	1.244349	23.16121	2.453722	2.519834
#2	2.429987	24.24392	2.439473	1.243065	22.77477	2.444159	2.511178
#3	2.434922	24.45433	2.432427	1.241582	22.74413	2.474127	2.509430

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.55737	5.080314	4.979634	4.908715	4.887292	4.780786	4.822060
Stddev	.26368	.039905	.008577	.007771	.002053	.048662	.032039
%RSD	1.119329	.7854831	.1722376	.1583195	.0419981	1.017875	.6644331

#1	23.86107	5.034500	4.971911	4.906326	4.885835	4.836969	4.793888
#2	23.38664	5.098950	4.978128	4.917400	4.889639	4.753482	4.856913
#3	23.42440	5.107491	4.988865	4.902418	4.886400	4.751907	4.815379

Sample Name: CCV01 Acquired: 10/10/2025 12:52:28 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.753491	4.789892	4.806444
Stddev	.025263	.006923	.074363
%RSD	.5314615	.1445339	1.547153

#1	4.724465	4.788337	4.863771
#2	4.765482	4.783880	4.722417
#3	4.770525	4.797461	4.833143

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6224.416	85161.66	5761.350	4424.959	7144.846
Stddev	10.285	409.82	46.661	20.772	27.723
%RSD	.1652373	.4812259	.8098955	.4694335	.3880077

#1	6217.909	84794.82	5803.448	4404.195	7123.504
#2	6219.067	85603.97	5769.424	4445.739	7134.854
#3	6236.274	85086.19	5711.180	4424.942	7176.179

Sample Name: CCB01 Acquired: 10/10/2025 12:57:34 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.001122	-.000049	.0007121	.0002004	.0006207	.0127694	.0053280
Stddev	.000823	.001059	.0002987	.0030409	.0006096	.0188067	.0011900
%RSD	73.38798	2164.939	41.94569	1517.058	98.21154	147.2789	22.33415

#1	-.001848	-.000532	.0007172	-.003282	.0003109	.0122208	.0042757
#2	-.001291	-.000781	.0010083	.001554	.0002282	.0318444	.0066194
#3	-.000227	.001166	.0004109	.002330	.0013230	-.005757	.0050889

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000834	.0000605	.0050718	.0002598	-.000080	.0001688	-.004276
Stddev	.0000342	.0000345	.0103838	.0000805	.000148	.0001695	.000429
%RSD	41.01630	57.05917	204.7352	31.00199	185.1539	100.4312	10.02491

#1	.0001203	.0000952	.0014398	.0002711	.000078	.0002417	-.003967
#2	.0000528	.0000602	.0167838	.0003341	-.000216	-.000025	-.004766
#3	.0000771	.0000261	-.003008	.0001742	-.000102	.000290	-.004096

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000701	.0033107	.0000968	.0001961	-.129925	.0007173	.0002822
Stddev	.000306	.0177448	.0002459	.0004161	.019361	.0014649	.0003038
%RSD	43.71071	535.9837	254.1269	212.1524	14.90189	204.2320	107.6607

#1	-.000741	.0170346	-.000040	.0002082	-.150775	-.000715	.0004957
#2	-.000985	-.016728	-.000051	.0006060	-.112513	.000654	.0004164
#3	-.000376	.009625	.000381	-.000226	-.126487	.002213	-.000066

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.215183	-.002943	.0002807	-.000744	.0001646	-.000015	-.000579
Stddev	.044086	.000073	.0001463	.000818	.0009936	.021509	.000808
%RSD	20.48770	2.469336	52.12334	109.8702	603.4982	142033.5	139.4639

#1	-.222561	-.002954	.0001122	-.001639	-.000073	-.015422	-.001297
#2	-.167874	-.002865	.0003544	-.000559	.001255	-.009182	-.000736
#3	-.255115	-.003009	.0003756	-.000035	-.000689	.024558	.000295

Sample Name: CCB01 Acquired: 10/10/2025 12:57:34 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.003407	.0007600	.0001438
Stddev	.001228	.0008784	.0000370
%RSD	36.05622	115.5710	25.71232
#1	-.002393	.0001026	.0001809
#2	-.003056	.0004199	.0001436
#3	-.004773	.0017576	.0001070

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6346.968	90445.16	6601.267	4613.566	7872.615
Stddev	7.137	366.99	38.734	15.096	16.697
%RSD	.1124510	.4057622	.5867706	.3272042	.2120896
#1	6338.798	90719.99	6571.081	4606.480	7855.148
#2	6351.987	90587.10	6587.776	4630.901	7888.417
#3	6350.121	90028.40	6644.942	4603.316	7874.278

Sample Name: LR-2 Acquired: 10/10/2025 13:07:13 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0937700	-.068884	.0845039	-.625563	-.085078	1984.133	.0288574
Stddev	.0042557	.015453	.0007746	.010717	.006352	8.342	.0013495
%RSD	4.538486	22.43306	.9166348	1.713168	7.465775	.4204447	4.676548

#1	.0889770	-.051714	.0846720	-.622297	-.077743	1983.166	.0283743
#2	.0971055	-.081675	.0836591	-.637533	-.088757	1976.316	.0303820
#3	.0952274	-.073262	.0851806	-.616859	-.088732	1992.916	.0278159

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0406735	.0116938	-31.7013	-.270479	.0528634	-.286847	2738.414
Stddev	.0002531	.0032123	.2977	.003613	.0001931	.018695	35.595
%RSD	.6222882	27.47041	.9390971	1.335949	.3653044	6.517472	1.299835

#1	.0406481	.0153975	-31.3604	-.266311	.0526751	-.266044	2697.559
#2	.0404340	.0100173	-31.8341	-.272391	.0530610	-.302242	2762.735
#3	.0409383	.0096665	-31.9096	-.272735	.0528543	-.292255	2754.948

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.485935	1.205460	.0484173	^ *****	4.245152	.0399170	-.206746
Stddev	.002371	.026557	.0009932	-----	.046777	.0004173	.004994
%RSD	.4880260	2.203020	2.051247	-----	1.101888	1.045467	2.415376

#1	-.483775	1.235235	.0488995	^ -----	4.261225	.0402305	-.202454
#2	-.485557	1.184220	.0490773	^ -----	4.192458	.0394433	-.212227
#3	-.488473	1.196927	.0472751	^ -----	4.281773	.0400771	-.205556

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1924.082	^ *****	-.016279	.0140467	.0041961	.5077440	.0726702
Stddev	4.256	-----	.000791	.0009517	.0011390	.0063251	.0053137
%RSD	.2211851	-----	4.856959	6.775068	27.14404	1.245731	7.312084

#1	1926.791	^ -----	-.016568	.0150227	.0053333	.5005583	.0745616
#2	1919.177	^ -----	-.016884	.0139961	.0030553	.5102046	.0666695
#3	1926.278	^ -----	-.015384	.0131213	.0041998	.5124690	.0767794

Sample Name: LR-2 Acquired: 10/10/2025 13:07:13 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-485814	.2972639	-2.62535
Stddev	.018019	.0048773	.03413
%RSD	3.708946	1.640736	1.299894

#1	-465060	.2917286	-2.58619
#2	-497469	.2991327	-2.64869
#3	-494913	.3009305	-2.64118

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5409.562	70613.32	5490.250	3827.236	5583.032
Stddev	9.233	399.57	15.092	27.643	8.155
%RSD	.1706708	.5658615	.2748868	.7222826	.1460693

#1	5402.079	71014.32	5506.600	3855.020	5574.093
#2	5419.880	70610.45	5487.297	3826.952	5590.067
#3	5406.727	70215.19	5476.853	3799.735	5584.934

Sample Name: LR-3 Acquired: 10/10/2025 13:11:40 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.1029880	.0333124	248.0230	.0177119	.2465140	.2328362	.0036886
Stddev	.0017998	.0024849	3.0965	.0008173	.0055634	.0018597	.0017089
%RSD	1.747610	7.459418	1.248466	4.614243	2.256814	.7987249	46.32988

#1	.1041409	.0313501	251.5701	.0181917	.2492878	.2341135	.0017280
#2	.1009141	.0324805	246.6387	.0181757	.2501451	.2307026	.0044757
#3	.1039090	.0361065	245.8601	.0167682	.2401091	.2336926	.0048623

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003381	-.002411	.3097427	23.61121	.0071564	51.85187	.3299054
Stddev	.000129	.000060	.0052129	.08750	.0001418	.30802	.0107043
%RSD	3.813616	2.485665	1.682986	.3705695	1.982063	.5940323	3.244659

#1	-.003236	-.002342	.3041435	23.68993	.0073080	52.04650	.3222631
#2	-.003425	-.002440	.3106290	23.51700	.0070270	52.01235	.3253136
#3	-.003483	-.002451	.3144557	23.62669	.0071341	51.49675	.3421396

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	51.36028	-.094324	25.10590	.0040195	.2828102	-.035944	30.25594
Stddev	.11528	.043067	.10471	.0002858	.0093001	.003129	.07470
%RSD	.2244627	45.65902	.4170675	7.109835	3.288452	8.706577	.2468996

#1	51.26843	-.102596	25.16585	.0042965	.2934817	-.033444	30.34055
#2	51.48965	-.132655	25.16686	.0040365	.2785138	-.034934	30.22812
#3	51.32276	-.047720	24.98500	.0037257	.2764351	-.039453	30.19913

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4142530	-.002522	-.016990	-.013512	-.035131	-.069681	.0634331
Stddev	.0390777	.000807	.000348	.000258	.000689	.009958	.0004414
%RSD	9.433304	32.00124	2.048148	1.907338	1.960268	14.29052	.6957830

#1	.4585056	-.002762	-.017157	-.013737	-.035788	-.081156	.0632348
#2	.3997651	-.003181	-.017223	-.013231	-.035189	-.063306	.0639389
#3	.3844881	-.001622	-.016590	-.013569	-.034415	-.064582	.0631258

Sample Name: LR-3 Acquired: 10/10/2025 13:11:40 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0680319	.0029167	.0000107
Stddev	.0055279	.0018118	.0001501
%RSD	8.125506	62.11645	1404.299

#1	.0724190	.0050003	-.000090
#2	.0618230	.0017119	.000183
#3	.0698536	.0020380	-.000062

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5501.701	91636.48	6727.650	4626.157	7740.868
Stddev	33.007	388.16	99.139	24.742	37.595
%RSD	.5999354	.4235836	1.473602	.5348389	.4856752

#1	5477.330	91615.36	6838.575	4644.747	7711.686
#2	5488.509	92034.77	6647.687	4635.649	7727.626
#3	5539.263	91259.32	6696.688	4598.073	7783.293

Sample Name: LR-1 Acquired: 10/10/2025 13:20:51 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0022804	.0169359	.0177542	.0094136	.0220697	.4802063	.0221049
Stddev	.0012151	.0072965	.0009425	.0057929	.0033672	.0007866	.0033279
%RSD	53.28217	43.08328	5.308676	61.53721	15.25724	.1638106	15.05489

#1	.0011249	.0161915	.0186812	.0156330	.0214493	.4803704	.0225072
#2	.0021690	.0100401	.0167969	.0084360	.0257040	.4808979	.0185942
#3	.0035473	.0245761	.0177844	.0041717	.0190558	.4793506	.0252133

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010735	.0009965	2395.116	.0386927	.0068535	.0086839	.7122866
Stddev	.0000565	.0001505	16.599	.0005844	.0003560	.0004244	.0110985
%RSD	5.262573	15.10192	.6930303	1.510407	5.193660	4.887551	1.558150

#1	.0010863	.0010366	2397.393	.0387625	.0068973	.0090719	.6995543
#2	.0011224	.0008300	2410.459	.0380765	.0071856	.0087491	.7199150
#3	.0010116	.0011228	2377.496	.0392390	.0064778	.0082306	.7173905

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0267355	2335.283	.0291809	.0032408	2510.892	.0166519	.0792392
Stddev	.0004638	9.631	.0008955	.0003181	3.373	.0011985	.0005866
%RSD	1.734828	.4124086	3.068800	9.816438	.1343525	7.197398	.7402463

#1	.0262798	2343.115	.0300994	.0028735	2513.422	.0157560	.0787041
#2	.0272071	2338.205	.0291328	.0034310	2507.062	.0180133	.0791471
#3	.0267197	2324.530	.0283104	.0034178	2512.191	.0161864	.0798663

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.781177	.0059855	.0094287	-.009000	-.084598	-.015266	.0148446
Stddev	1.803080	.0014494	.0001804	.001077	.001973	.013777	.0007517
%RSD	18.43418	24.21579	1.913429	11.96933	2.331879	90.24216	5.063821

#1	7.904021	.0074925	.0094107	-.010244	-.082330	-.013120	.0157105
#2	9.939811	.0046015	.0096174	-.008418	-.085554	-.002689	.0144649
#3	11.49970	.0058626	.0092579	-.008339	-.085911	-.029990	.0143586

Sample Name: LR-1 Acquired: 10/10/2025 13:20:51 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.2458276	-.382800	.0613891
Stddev	.0047599	.002752	.0000905
%RSD	1.936264	.7190340	.1474854
#1	.2512030	-.384214	.0614818
#2	.2441326	-.384559	.0613009
#3	.2421473	-.379628	.0613846

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4159.249	62086.75	5315.988	3034.960	4354.931
Stddev	3.461	159.23	41.236	7.079	7.504
%RSD	.0832061	.2564713	.7757044	.2332624	.1723130
#1	4156.609	62229.24	5305.027	3027.007	4346.732
#2	4157.971	62116.16	5281.340	3037.298	4356.605
#3	4163.167	61914.87	5361.598	3040.575	4361.457

Sample Name: PB170047BL Acquired: 10/10/2025 13:25:17 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.001632	-.001221	.0003978	-.000510	-.001535	.0203952
Stddev	.000471	.001698	.0004394	.001708	.001015	.0083168
%RSD	28.85556	139.0476	110.4425	334.8614	66.11479	40.77840

#1	-.001131	-.003055	-.000100	.001262	-.001161	.0298367
#2	-.002065	.000296	.000730	-.000646	-.000760	.0141534
#3	-.001700	-.000903	.000564	-.002147	-.002684	.0171955

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012523	.0000135	-.000028	.1252808	.0001552	-.000138
Stddev	.0031393	.0000091	.000031	.0264998	.0002456	.000077
%RSD	250.6869	66.93721	111.5476	21.15236	158.3007	55.68935

#1	.0017340	.0000057	-.000064	.1498232	.0000912	-.000200
#2	-.002100	.0000115	-.000010	.1288366	.0004264	-.000052
#3	.004123	.0000235	-.000010	.0971826	-.000052	-.000161

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016975	-.003036	-.000793	.1386160	.0005401	.0002450
Stddev	.0000625	.003622	.001197	.0317557	.0003206	.0002574
%RSD	3.679042	119.2872	150.9960	22.90913	59.36601	105.0782

#1	.0017239	-.007218	-.000420	.1154788	.0004629	.0002103
#2	.0017425	-.000893	.000174	.1255488	.0008922	.0000066
#3	.0016262	-.000998	-.002132	.1748205	.0002651	.0005179

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1.398835	.0014200	.0011147	.7167791	-.006151	-.000103
Stddev	.109681	.0020511	.0009000	.0314294	.000472	.000189
%RSD	7.840917	144.4428	80.73809	4.384805	7.677870	184.1007

#1	1.488075	-.000240	.0005196	.7068628	-.006684	.000044
#2	1.432042	.000787	.0021501	.7519706	-.005983	-.000317
#3	1.276387	.003713	.0006745	.6915040	-.005786	-.000036

Sample Name: PB170047BL Acquired: 10/10/2025 13:25:17 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.001472	-.000114	-.006991	-.000002	-.005219	F .0211541
Stddev	.000451	.002446	.004075	.000308	.000923	.0009559
%RSD	30.65301	2141.403	58.29563	17027.53	17.68526	4.518831

#1	-.001638	-.000058	-.005155	-.000148	-.005327	.0217925
#2	-.001817	.002304	-.011661	-.000210	-.006083	.0200551
#3	-.000962	-.002588	-.004156	.000352	-.004247	.0216148

Elem	Sr4077
Units	ppm
Avg	-.000229
Stddev	.000196
%RSD	85.92050

#1	-.000387
#2	-.000290
#3	-.000009

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6241.218	90838.34	5692.028	4707.461	7703.808
Stddev	18.259	459.24	15.931	17.462	15.007
%RSD	.2925604	.5055627	.2798903	.3709369	.1947974

#1	6261.373	91143.95	5679.859	4711.576	7710.444
#2	6236.503	91060.85	5710.060	4722.497	7714.353
#3	6225.779	90310.22	5686.165	4688.309	7686.627

Sample Name: PB170047BS Acquired: 10/10/2025 13:29:36 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.7876296	1.953978	.9595490	1.996592	.8042701	2.039862
Stddev	.0005053	.062211	.0033209	.002391	.0030372	.014402
%RSD	.0641547	3.183800	.3460870	.1197785	.3776307	.7060303

#1	.7874172	1.886920	.9604164	1.995009	.8077180	2.052289
#2	.7872652	1.965199	.9558805	1.995425	.8019909	2.024078
#3	.7882065	2.009814	.9623500	1.999343	.8031014	2.043219

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1970434	.2056620	.1920144	1.092468	.4158914	.1969649
Stddev	.0011025	.0002109	.0002454	.017661	.0008774	.0005443
%RSD	.5595375	.1025417	.1278110	1.616613	.2109781	.2763643

#1	.1977706	.2054193	.1919426	1.108738	.4159857	.1973697
#2	.1957749	.2058005	.1918129	1.094980	.4167178	.1963460
#3	.1975847	.2057662	.1922877	1.073685	.4149706	.1971788

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3112856	3.254583	.2030807	2.068269	.4931133	.0784242
Stddev	.0004306	.028513	.0004987	.025334	.0004508	.0000719
%RSD	.1383196	.8760767	.2455606	1.224891	.0914107	.0916730

#1	.3115812	3.235525	.2026827	2.048909	.4928154	.0784898
#2	.3107916	3.240862	.2029194	2.058957	.4936319	.0783473
#3	.3114839	3.287362	.2036401	2.096941	.4928925	.0784354

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 3.681539	.3037874	.2202385	10.40726	.2951437	.4033355
Stddev	.020960	.0038529	.0009626	.10553	.0008252	.0004793
%RSD	.5693266	1.268272	.4370585	1.013978	.2795923	.1188300

#1	3.685226	.3045281	.2200344	10.43384	.2942002	.4030597
#2	3.658980	.2996179	.2212868	10.29099	.2955003	.4038890
#3	3.700410	.3072161	.2193944	10.49696	.2957307	.4030580

Sample Name: PB170047BS Acquired: 10/10/2025 13:29:36 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.6681057	.1911087	.9191907	5.594995	F -.008090	.2052481
Stddev	.0006758	.0010019	.0128804	.015919	.002443	.0006665
%RSD	.1011442	.5242345	1.401277	.2845265	30.19038	.3247277

#1	.6679131	.1900894	.9282138	5.577437	-.010797	.2045848
#2	.6675471	.1920922	.9249185	5.608487	-.006051	.2052417
#3	.6688568	.1911446	.9044399	5.599060	-.007423	.2059177

Elem	Sr4077
Units	ppm
Avg	.1944777
Stddev	.0007132
%RSD	.3667147

#1	.1950410
#2	.1936758
#3	.1947162

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6485.855	85165.47	6201.702	4462.567	7832.377
Stddev	11.075	163.62	17.518	26.151	16.665
%RSD	.1707589	.1921194	.2824719	.5860138	.2127716

#1	6473.289	85346.72	6216.428	4453.388	7816.854
#2	6494.194	85028.66	6182.329	4442.243	7849.987
#3	6490.081	85121.02	6206.349	4492.070	7830.291

Sample Name: PB170027TB Acquired: 10/10/2025 13:33:37 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.003733	-.002627	-.000231	.0052773	.0029055	.0166666	.0007353
Stddev	.001560	.002701	.000809	.0014991	.0029011	.0052877	.0006802
%RSD	41.78227	102.8199	351.0585	28.40572	99.85102	31.72653	92.50165

#1	-.004581	.000492	.000704	.0058201	-.000046	.0213718	.0009700
#2	-.001933	-.004221	-.000707	.0035824	.005754	.0176839	-.000031
#3	-.004684	-.004151	-.000688	.0064292	.003008	.0109441	.001267

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000153	-.000140	.0083485	.0046827	-.000418	-.000123	.0255317
Stddev	.000027	.000048	.0095737	.0002065	.000145	.000160	.0018711
%RSD	17.54680	34.05540	114.6756	4.410345	34.71456	129.7978	7.328415

#1	-.000128	-.000085	-.001737	.0048998	-.000521	-.000298	.0257760
#2	-.000181	-.000171	.009471	.0046595	-.000482	.000015	.0272687
#3	-.000149	-.000162	.017311	.0044887	-.000252	-.000086	.0235506

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008523	.0339447	.0022598	-.000324	375.4655	.0024182	.0015949
Stddev	.0009336	.0291964	.0004546	.000106	8.4318	.0020403	.0003294
%RSD	109.5496	86.01165	20.11760	32.57547	2.245700	84.37188	20.65231

#1	.0006316	.0324596	.0020021	-.000410	382.8927	.0018809	.0014082
#2	.0018765	.0638553	.0019926	-.000357	377.2037	.0007003	.0019752
#3	.0000487	.0055192	.0027847	-.000206	366.3000	.0046733	.0014013

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.138037	-.008028	.0008467	-.016661	-.000213	.0089410	.0067387
Stddev	.093543	.000450	.0000641	.000285	.001711	.0093804	.0012450
%RSD	67.76682	5.601941	7.569121	1.710141	802.3928	104.9146	18.47518

#1	-.231719	-.008048	.0007933	-.016959	-.001246	.0118007	.0072907
#2	-.044634	-.007568	.0009178	-.016391	-.001156	.0165588	.0076123
#3	-.137757	-.008467	.0008291	-.016633	.001762	-.001536	.0053132

Sample Name: PB170027TB Acquired: 10/10/2025 13:33:37 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0079083	-.004078	-.000170
Stddev	.0018858	.003121	.000137
%RSD	23.84628	76.53566	80.69083

#1	.0082633	-.003780	-.000120
#2	.0095915	-.007337	-.000326
#3	.0058703	-.001117	-.000065

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5811.689	80420.92	5723.621	4139.354	6663.059
Stddev	23.216	611.97	61.229	43.164	20.291
%RSD	.3994650	.7609634	1.069761	1.042770	.3045354

#1	5785.683	79891.92	5714.820	4097.553	6642.294
#2	5819.060	80279.67	5788.775	4136.748	6664.044
#3	5830.325	81091.17	5667.269	4183.763	6682.841

Sample Name: Q3272-08 Acquired: 10/10/2025 13:38:05 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.001815	-.003057	.0000944	.0021802	.0088056	.1113676
Stddev	.002168	.002402	.0008501	.0011742	.0018634	.0165557
%RSD	119.4179	78.54902	900.2903	53.85669	21.16198	14.86582

#1	.000179	-.004548	.0003017	.0025848	.0070894	.0969103
#2	-.001502	-.000287	-.000840	.0030986	.0085398	.1294282
#3	-.004123	-.004338	.000822	.0008572	.0107877	.1077643

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0559179	-.000066	-.000090	215.3768	.0006074	-.000197
Stddev	.0014831	.000080	.000050	.2721	.0003879	.000186
%RSD	2.652353	121.0913	55.72787	.1263148	63.85638	94.63647

#1	.0568214	-.000156	-.000114	215.5976	.0007215	-.000135
#2	.0567262	-.000003	-.000033	215.0729	.0009254	-.000406
#3	.0542062	-.000039	-.000125	215.4598	.0001753	-.000049

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000562	.0463722	.0321382	7.026693	.0037544	-.000360
Stddev	.000200	.0067045	.0004442	.037204	.0003069	.000364
%RSD	35.55745	14.45796	1.382258	.5294657	8.173617	101.2441

#1	-.000560	.0386365	.0316849	7.059362	.0034730	-.000673
#2	-.000764	.0499765	.0325728	6.986199	.0040816	-.000446
#3	-.000364	.0505037	.0321569	7.034517	.0037087	.000040

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	355.8768	.0071937	.0383606	1.183849	.0433612	.0076565
Stddev	1.2663	.0008138	.0000910	.064281	.0009354	.0001633
%RSD	.3558270	11.31275	.2371664	5.429872	2.157326	2.133266

#1	354.4155	.0065996	.0384308	1.115882	.0424657	.0076675
#2	356.5647	.0081213	.0382578	1.191995	.0432860	.0074880
#3	356.6503	.0068602	.0383933	1.243668	.0443320	.0078141

Sample Name: Q3272-08 Acquired: 10/10/2025 13:38:05 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.019984	-.006338	3.682880	.0091699	F 26.75509	-.035769
Stddev	.000422	.000821	.071752	.0018358	.24008	.001745
%RSD	2.110271	12.94839	1.948264	20.01982	.8973239	4.879444
#1	-.019867	-.007157	3.631191	.0095885	26.74178	-.037145
#2	-.019633	-.006341	3.764801	.0071609	26.52195	-.036356
#3	-.020452	-.005516	3.652647	.0107602	27.00155	-.033806

Elem	Sr4077
Units	ppm
Avg	.2432991
Stddev	.0005754
%RSD	.2365018
#1	.2429240
#2	.2430118
#3	.2439616

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5610.406	74642.82	6088.618	3766.387	6387.495
Stddev	44.241	333.28	37.567	13.598	50.217
%RSD	.7885459	.4464942	.6170007	.3610430	.7861717
#1	5594.930	75026.16	6117.465	3780.501	6384.109
#2	5660.305	74480.43	6046.139	3765.288	6439.319
#3	5575.982	74421.86	6102.252	3753.371	6339.057

Sample Name: Q3315-02 Acquired: 10/10/2025 13:42:29 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0121546	-.003367	.0006279	.0016947	.0037126	.0550990	.1659640
Stddev	.0019163	.001915	.0007698	.0010649	.0026649	.0129867	.0022429
%RSD	15.76603	56.86639	122.5941	62.83807	71.77941	23.56965	1.351442

#1	.0138100	-.003087	-.000129	.0027054	.0017870	.0401556	.1633790
#2	.0100553	-.005407	.001410	.0017960	.0067541	.0636542	.1673930
#3	.0125983	-.001608	.000603	.0005828	.0025969	.0614873	.1671202

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000412	.0003243	18.12693	.0036190	.0003155	.0147452	.0778893
Stddev	.0000402	.0000240	.07590	.0001755	.0001591	.0005939	.0063727
%RSD	97.43810	7.403137	.4187176	4.849960	50.42940	4.028064	8.181705

#1	.0000870	.0002967	18.04983	.0035778	.0002055	.0144821	.0711330
#2	.0000120	.0003356	18.20157	.0034677	.0002431	.0154252	.0787424
#3	.0000246	.0003406	18.12938	.0038115	.0004979	.0143282	.0837924

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0402220	4.365638	.0029652	-.000204	317.8849	.0040291	1.275466
Stddev	.0008399	.021676	.0003068	.000743	8.8317	.0047734	.006287
%RSD	2.088196	.4965205	10.34511	364.6883	2.778255	118.4736	.4929498

#1	.0393218	4.370640	.0026125	-.000762	311.6332	.0068611	1.268292
#2	.0403597	4.384377	.0031695	-.000488	314.0333	-.001482	1.278089
#3	.0409846	4.341898	.0031137	.000640	327.9882	.006708	1.280017

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.173020	.0553372	.0003412	-.018536	-.001125	2.282724	.0887334
Stddev	.105604	.0006166	.0004815	.000993	.001132	.057387	.0006074
%RSD	1.710740	1.114290	141.1278	5.359294	100.6273	2.513990	.6845033

#1	6.065799	.0557542	.0008915	-.018950	-.002338	2.236201	.0880346
#2	6.176330	.0556284	.0001348	-.019255	-.000097	2.265120	.0890308
#3	6.276930	.0546289	-.000003	-.017402	-.000940	2.346852	.0891347

Sample Name: Q3315-02 Acquired: 10/10/2025 13:42:29 Type: Unk
Method: 6010-200.7 NEW(v276) 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	1.586496	-.001576	.1604348
Stddev	.004281	.000766	.0017248
%RSD	.2698459	48.58888	1.075082

#1	1.590835	-.002450	.1584745
#2	1.586379	-.001023	.1611104
#3	1.582275	-.001254	.1617196

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5729.353	79368.96	5877.816	4006.439	6565.955
Stddev	25.561	372.02	41.850	21.231	21.980
%RSD	.4461457	.4687211	.7119929	.5299277	.3347626

#1	5702.449	79674.68	5854.089	4030.058	6542.952
#2	5753.317	79477.45	5853.222	4000.318	6586.745
#3	5732.295	78954.76	5926.138	3988.940	6568.168

Sample Name: Q3315-02DUP Acquired: 10/10/2025 13:46:53 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0116262	-.004560	.0011336	.0062109	.0019461	.0535054	.1696264
Stddev	.0031927	.001639	.0012460	.0040206	.0011468	.0103545	.0003750
%RSD	27.46166	35.94688	109.9069	64.73480	58.92793	19.35229	.2211015

#1	.0104470	-.006065	.0013407	.0096543	.0025532	.0423249	.1692095
#2	.0091908	-.004801	-.000203	.0017924	.0006234	.0627649	.1699363
#3	.0152408	-.002813	.002263	.0071860	.0026617	.0554262	.1697335

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000806	.0002628	18.01742	.0036548	.0003565	.0149197	.0891396
Stddev	.0000435	.0000300	.07463	.0001150	.0001605	.0006596	.0073835
%RSD	53.96175	11.40526	.4142195	3.146481	45.01701	4.420738	8.283078

#1	.0000907	.0002883	18.09906	.0036647	.0001744	.0141914	.0970778
#2	.0001182	.0002702	18.00048	.0037645	.0004176	.0150911	.0878640
#3	.0000330	.0002298	17.95271	.0035351	.0004774	.0154767	.0824770

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0410392	4.339791	.0030079	.0001268	332.7525	.0018988	1.244449
Stddev	.0007148	.031741	.0001505	.0004670	7.1814	.0021269	.003583
%RSD	1.741772	.7313848	5.002936	368.3064	2.158175	112.0109	.2878955

#1	.0417917	4.371021	.0028523	-.000386	324.4619	.0043347	1.241107
#2	.0403692	4.307563	.0030187	.000240	336.7489	.0009519	1.248232
#3	.0409569	4.340791	.0031527	.000527	337.0466	.0004098	1.244008

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.146836	.0539953	.0007334	-.018566	.0002432	2.230372	.0938821
Stddev	.034834	.0004952	.0002992	.000369	.0017826	.012997	.0011670
%RSD	.5666922	.9170798	40.80287	1.985360	732.9925	.5827360	1.243044

#1	6.177362	.0541749	.0004087	-.018670	.0016117	2.215862	.0934683
#2	6.154255	.0534354	.0007935	-.018157	.0008905	2.240948	.0929785
#3	6.108891	.0543756	.0009981	-.018872	-.001773	2.234304	.0951997

Sample Name: Q3315-02DUP Acquired: 10/10/2025 13:46:53 Type: Unk
Method: 6010-200.7 NEW(v276) 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	1.648568	-.000568	.1644972
Stddev	.017492	.001642	.0012801
%RSD	1.061038	289.1587	.7782047

#1	1.630872	-.001621	.1659707
#2	1.648984	.001324	.1638621
#3	1.665849	-.001406	.1636588

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5578.365	82633.29	6089.301	4247.660	6378.164
Stddev	26.340	98.11	30.090	8.798	39.745
%RSD	.4721853	.1187314	.4941457	.2071312	.6231471

#1	5605.457	82651.02	6057.914	4251.025	6419.267
#2	5576.790	82527.51	6092.087	4237.676	6375.295
#3	5552.848	82721.32	6117.900	4254.279	6339.932

Sample Name: Q3315-02LX5 Acquired: 10/10/2025 13:51:17 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0009539	-.002859	.0003191	-.003785	.0004698	.0073856	.0272900
Stddev	.0016715	.002155	.0011780	.002089	.0010683	.0048416	.0007924
%RSD	175.2314	75.38639	369.1381	55.19798	227.3777	65.55393	2.903654

#1	.0026843	-.005330	-.000933	-.001444	-.000538	.0064550	.0278759
#2	-.000652	-.001366	.001406	-.005461	.001590	.0030769	.0263884
#3	.000829	-.001881	.000484	-.004450	.000357	.0126250	.0276056

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000215	.0000346	3.388315	.0005564	-.000006	.0028257	.0124221
Stddev	.0000568	.0000268	.027560	.0001494	.000148	.0001764	.0062383
%RSD	263.6991	77.38746	.8133713	26.85939	2495.626	6.242252	50.21896

#1	.0000870	.0000038	3.356877	.0004168	-.000125	.0029657	.0053052
#2	-.000009	.0000525	3.408310	.0005384	.000159	.0026276	.0169440
#3	-.000013	.0000475	3.399758	.0007140	-.000053	.0028839	.0150172

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068793	.8460090	.0005381	-.000125	63.24985	.0009804	.2373605
Stddev	.0005498	.0261925	.0001761	.000353	.14286	.0034095	.0011396
%RSD	7.991383	3.096012	32.72858	282.4203	.2258694	347.7463	.4800966

#1	.0074688	.8701771	.0004606	-.000489	63.39239	-.002940	.2362771
#2	.0067886	.8181777	.0007397	-.000102	63.25049	.003255	.2372553
#3	.0063806	.8496721	.0004141	.000216	63.10667	.002626	.2385490

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.583013	.0042297	.0001615	.0022603	-.000838	.4212692	.0173461
Stddev	.039813	.0005288	.0001118	.0006554	.000804	.0192483	.0003055
%RSD	2.515023	12.50279	69.25363	28.99590	95.96092	4.569109	1.761140

#1	1.537306	.0036192	.0001957	.0017260	-.001749	.4059407	.0170314
#2	1.610136	.0045236	.0000365	.0029917	-.000544	.4149954	.0173654
#3	1.601597	.0045464	.0002521	.0020634	-.000223	.4428717	.0176415

Sample Name: Q3315-02LX5 Acquired: 10/10/2025 13:51:17 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.3082580	.0167200	.0308175
Stddev	.0051224	.0004456	.0001049
%RSD	1.661732	2.665115	.3403662
#1	.3141589	.0168806	.0307389
#2	.3049562	.0170630	.0309366
#3	.3056588	.0162163	.0307771

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6406.640	88338.41	6545.091	4505.006	7620.641
Stddev	47.060	599.27	19.647	16.474	75.079
%RSD	.7345443	.6783761	.3001865	.3656837	.9852109
#1	6352.331	88930.57	6566.503	4523.998	7534.186
#2	6432.230	88352.37	6527.892	4494.590	7658.291
#3	6435.360	87732.28	6540.877	4496.428	7669.445

Sample Name: CCV02 Acquired: 10/10/2025 14:04:47 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.999674	4.749768	4.805607	5.050160	5.055271	9.593369	9.442398
Stddev	.021254	.125833	.016383	.022515	.033715	.004174	.053984
%RSD	.4251030	2.649243	.3409136	.4458267	.6669364	.0435109	.5717154

#1	4.976703	4.893350	4.786760	5.024182	5.016457	9.588941	9.504502
#2	5.003681	4.658689	4.813620	5.064040	5.072053	9.593934	9.406699
#3	5.018640	4.697265	4.816443	5.062258	5.077302	9.597232	9.415994

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2345760	2.402704	24.08883	.9825751	2.411102	1.227099	4.982080
Stddev	.0014868	.005706	.04415	.0047463	.007904	.005438	.039399
%RSD	.6338050	.2375010	.1832781	.4830514	.3278326	.4431297	.7908177

#1	.2354205	2.396523	24.13615	.9770964	2.401976	1.220875	4.956469
#2	.2354482	2.403818	24.08159	.9851894	2.415523	1.230925	4.962323
#3	.2328593	2.407772	24.04875	.9854394	2.415807	1.229498	5.027449

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.340249	23.76003	2.407064	1.237875	24.05247	2.417011	2.490226
Stddev	.013822	.06271	.007954	.002467	.14439	.003125	.005140
%RSD	.5906335	.2639284	.3304287	.1992756	.6003108	.1293086	.2064261

#1	2.356139	23.74505	2.398035	1.237257	24.03327	2.420618	2.485292
#2	2.333611	23.82888	2.410128	1.240592	23.91864	2.415088	2.489833
#3	2.330998	23.70617	2.413031	1.235776	24.20550	2.415328	2.495551

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.59011	4.691734	5.010590	4.841107	4.774325	5.056471	4.657360
Stddev	.11193	.035677	.014939	.010672	.013202	.021862	.025641
%RSD	.4551974	.7604245	.2981500	.2204387	.2765239	.4323641	.5505415

#1	24.53614	4.718056	4.993478	4.831682	4.788745	5.036370	4.686962
#2	24.51538	4.706018	5.021032	4.838945	4.771397	5.053295	4.643038
#3	24.71880	4.651128	5.017260	4.852694	4.762832	5.079747	4.642080

Sample Name: CCV02 Acquired: 10/10/2025 14:04:47 Type: Unk
Method: 6010-200.7 NEW(v276) 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	4.790393	4.561287	4.702949
Stddev	.020800	.021070	.048829
%RSD	.4342117	.4619397	1.038264

#1	4.799045	4.585606	4.688912
#2	4.766663	4.549772	4.662677
#3	4.805472	4.548484	4.757260

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6432.234	91053.35	6630.682	4529.312	7473.924
Stddev	23.614	517.69	26.493	20.878	21.908
%RSD	.3671211	.5685588	.3995461	.4609491	.2931289

#1	6459.495	91650.94	6628.956	4553.364	7497.965
#2	6418.085	90767.49	6605.095	4518.714	7468.721
#3	6419.122	90741.62	6657.996	4515.860	7455.086

Sample Name: CCB02 Acquired: 10/10/2025 14:10:04 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.002787	-.001698	.0007689	.0008939	-.000287	.0149657	-.003735
Stddev	.002093	.002539	.0004229	.0030698	.000443	.0049769	.002295
%RSD	75.10468	149.5343	55.00064	343.4084	154.2056	33.25551	61.42895

#1	-.001108	.000879	.0012536	.0026985	-.000099	.0171300	-.003228
#2	-.005132	-.001776	.0004747	.0026338	.000030	.0092731	-.001737
#3	-.002120	-.004198	.0005785	-.002651	-.000793	.0184941	-.006241

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000027	-.000011	.0166324	.0006509	-.000094	.0008438	.0065050
Stddev	.0000236	.000062	.0197469	.0001451	.000196	.0003161	.0076385
%RSD	861.8643	569.1843	118.7256	22.28729	209.3043	37.46549	117.4248

#1	-.000021	-.000079	.0138797	.0007411	.000101	.0010923	.0004908
#2	.000003	.000002	-.001594	.0007280	-.000292	.0009510	.0150995
#3	.000026	.000044	.037611	.0004836	-.000091	.0004880	.0039248

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000668	.0388514	.0001469	-.000195	.8908208	.0006901	.0008009
Stddev	.000407	.0462196	.0000351	.000119	.0089783	.0020132	.0002613
%RSD	60.91767	118.9652	23.92264	61.18057	1.007867	291.7330	32.62143

#1	-.001077	.0511054	.0001528	-.000058	.8824492	-.001550	.0010571
#2	-.000263	.0777091	.0001092	-.000255	.8897108	.001272	.0005348
#3	-.000665	-.012260	.0001788	-.000273	.9003025	.002348	.0008108

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.119878	-.004692	.0003365	-.006706	-.000349	-.011873	.0010152
Stddev	.011212	.000057	.0000385	.000626	.001079	.005710	.0011571
%RSD	9.352848	1.210740	11.44862	9.331296	309.6735	48.09716	113.9827

#1	-.132741	-.004726	.0002948	-.006745	.000865	-.006275	-.000071
#2	-.112171	-.004722	.0003708	-.007312	-.000711	-.011654	.002232
#3	-.114722	-.004626	.0003439	-.006062	-.001200	-.017689	.000884

Sample Name: CCB02 Acquired: 10/10/2025 14:10:04 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.003382	.0001540	-.000280
Stddev	.001985	.0033731	.000102
%RSD	58.68238	2190.131	36.30555

#1	-.005408	-.001942	-.000178
#2	-.003295	-.001641	-.000281
#3	-.001442	.004045	-.000382

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6198.229	90961.84	6196.038	4621.851	7659.537
Stddev	30.778	480.01	31.504	16.235	46.511
%RSD	.4965610	.5277062	.5084526	.3512757	.6072315

#1	6228.731	90979.98	6198.104	4614.833	7703.419
#2	6198.773	90473.02	6163.552	4610.304	7664.412
#3	6167.182	91432.53	6226.459	4640.414	7610.781

Sample Name: Q3315-02MS Acquired: 10/10/2025 14:15:01 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.9433137	2.134551	1.059283	2.365614	.9177619	2.242981	.3877701
Stddev	.0015788	.013872	.003251	.011034	.0036610	.002917	.0013460
%RSD	.1673681	.6498968	.3068748	.4664258	.3989006	.1300569	.3470997

#1	.9418778	2.122094	1.057670	2.354391	.9138738	2.245941	.3877541
#2	.9450044	2.149501	1.057155	2.366002	.9182690	2.240109	.3891240
#3	.9430588	2.132058	1.063025	2.376448	.9211429	2.242893	.3864322

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2071496	.2190501	18.07384	.4586008	.2251663	.3468294	3.871633
Stddev	.0007928	.0004490	.08632	.0015369	.0005987	.0015414	.034382
%RSD	.3827380	.2049652	.4775993	.3351296	.2658710	.4444175	.8880609

#1	.2069608	.2187743	17.98181	.4570348	.2246131	.3455051	3.849936
#2	.2080199	.2188077	18.15300	.4601069	.2250840	.3464617	3.911275
#3	.2064683	.2195681	18.08672	.4586607	.2258019	.3485214	3.853688

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2613617	6.228174	.5629401	.0855852	334.8300	.3433207	1.421069
Stddev	.0014299	.041905	.0016661	.0004529	2.2317	.0062587	.004500
%RSD	.5470844	.6728279	.2959666	.5291992	.6665154	1.822998	.3166962

#1	.2610313	6.188746	.5628041	.0858803	333.5418	.3465568	1.415880
#2	.2629278	6.223596	.5613461	.0858116	337.4070	.3472989	1.423921
#3	.2601259	6.272180	.5646700	.0850637	333.5413	.3361065	1.423405

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.43739	.3419141	.4654229	.7458341	.2172686	3.257010	6.708500
Stddev	.12823	.0015418	.0006970	.0012149	.0021660	.019063	.011066
%RSD	.6954948	.4509293	.1497680	.1628869	.9969354	.5852882	.1649581

#1	18.40410	.3410946	.4646353	.7457834	.2177620	3.239957	6.716598
#2	18.57898	.3436925	.4656728	.7446453	.2191453	3.277590	6.713012
#3	18.32908	.3409550	.4659605	.7470735	.2148984	3.253483	6.695891

Sample Name: Q3315-02MS Acquired: 10/10/2025 14:15:01 Type: Unk
Method: 6010-200.7 NEW(v276) 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	1.498504	.2204456	.3758258
Stddev	.002797	.0026001	.0020073
%RSD	.1866766	1.179486	.5341105

#1	1.495885	.2220335	.3755586
#2	1.498176	.2174449	.3779533
#3	1.501451	.2218583	.3739654

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5599.468	78375.56	6014.516	4045.430	6387.688
Stddev	4.067	634.97	41.425	32.973	7.941
%RSD	.0726384	.8101610	.6887552	.8150700	.1243241

#1	5594.836	79043.23	6055.333	4082.487	6379.214
#2	5602.457	77779.34	5972.508	4019.333	6394.960
#3	5601.110	78304.09	6015.707	4034.469	6388.889

Sample Name: Q3315-02MSD Acquired: 10/10/2025 14:19:11 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.9665366	2.067456	1.078972	2.394646	.9817792	2.274693	.4205046
Stddev	.0009129	.071887	.004336	.006293	.0016516	.018491	.0035731
%RSD	.0944493	3.477085	.4018432	.2628087	.1682301	.8128933	.8497179

#1	.9658129	1.984910	1.083939	2.390826	.9814579	2.291338	.4210560
#2	.9675622	2.101158	1.077031	2.391203	.9803117	2.277952	.4237700
#3	.9662347	2.116300	1.075946	2.401910	.9835678	2.254790	.4166879

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2266443	.2256959	22.83803	.4754911	.2317037	.3571000	3.727847
Stddev	.0003380	.0000202	.09118	.0005849	.0003547	.0011168	.027528
%RSD	.1491505	.0089692	.3992486	.1230202	.1530677	.3127345	.7384399

#1	.2269769	.2256799	22.79861	.4761010	.2320607	.3566192	3.696510
#2	.2266550	.2256891	22.94229	.4754376	.2313514	.3563042	3.738902
#3	.2263011	.2257186	22.77319	.4749348	.2316991	.3583767	3.748129

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2719208	7.293308	.5806106	.0470301	373.8065	.3499520	1.733913
Stddev	.0012002	.015203	.0007795	.0003629	1.5941	.0017179	.007784
%RSD	.4413809	.2084454	.1342636	.7716138	.4264496	.4908850	.4489136

#1	.2709250	7.280973	.5811167	.0473355	373.3616	.3486431	1.726743
#2	.2732535	7.310292	.5797129	.0471260	375.5758	.3518972	1.732805
#3	.2715839	7.288657	.5810022	.0466290	372.4822	.3493156	1.742192

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.93709	.3850773	.5049768	.8069830	.2306718	3.602640	6.860696
Stddev	.03775	.0010430	.0004097	.0020429	.0022403	.002218	.030207
%RSD	.1993594	.2708619	.0811399	.2531471	.9712025	.0615727	.4402914

#1	18.89777	.3839159	.5049233	.8054008	.2287414	3.602984	6.827722
#2	18.97305	.3853818	.5045964	.8062590	.2331283	3.604666	6.867336
#3	18.94044	.3859342	.5054106	.8092893	.2301455	3.600269	6.887031

Sample Name: Q3315-02MSD Acquired: 10/10/2025 14:19:11 Type: Unk
Method: 6010-200.7 NEW(v276) 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	1.853149	.2224151	.4115827
Stddev	.014352	.0018356	.0024992
%RSD	.7744766	.8252961	.6072222

#1	1.836712	.2213081	.4107275
#2	1.863203	.2214032	.4143972
#3	1.859530	.2245339	.4096233

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5436.169	75752.54	5445.677	3911.826	6177.535
Stddev	7.438	133.55	1.398	16.705	8.485
%RSD	.1368311	.1763012	.0256742	.4270463	.1373445

#1	5427.681	75859.28	5446.995	3911.111	6168.162
#2	5441.554	75795.57	5445.825	3928.877	6184.692
#3	5439.271	75602.78	5444.211	3895.489	6179.751

Sample Name: Q3315-02A Acquired: 10/10/2025 14:23:21 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.8939657	1.956461	1.012954	2.215996	.9176285	2.173034	.3868143
Stddev	.0006582	.022749	.002008	.005765	.0023462	.007546	.0013114
%RSD	.0736281	1.162761	.1982595	.2601374	.2556834	.3472788	.3390341

#1	.8938382	1.970629	1.015260	2.221282	.9200735	2.177926	.3860240
#2	.8933805	1.968533	1.012016	2.209849	.9153955	2.176832	.3883281
#3	.8946783	1.930221	1.011587	2.216857	.9174165	2.164343	.3860907

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1962417	.2105430	19.06562	.4346093	.2160939	.3322891	3.598772
Stddev	.0013645	.0005972	.04159	.0003770	.0005996	.0006876	.027735
%RSD	.6953367	.2836498	.2181642	.0867486	.2774895	.2069194	.7706672

#1	.1978049	.2108220	19.01850	.4342894	.2160870	.3324229	3.567336
#2	.1952889	.2109496	19.09725	.4345136	.2166970	.3329000	3.619785
#3	.1956314	.2098573	19.08110	.4350250	.2154977	.3315445	3.609195

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2557629	6.453058	.5393584	.0797408	343.8799	.3326157	1.452981
Stddev	.0010235	.044769	.0011515	.0005897	1.4591	.0015888	.004783
%RSD	.4001602	.6937688	.2134949	.7395569	.4242942	.4776556	.3291789

#1	.2554623	6.504751	.5397321	.0790625	343.8265	.3344468	1.449315
#2	.2569030	6.427626	.5402767	.0800278	345.3649	.3317977	1.458391
#3	.2549234	6.426798	.5380665	.0801321	342.4483	.3316027	1.451236

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.90863	.3283243	.4754851	.7571676	.2161720	3.395868	6.326262
Stddev	.12748	.0029620	.0008565	.0009904	.0004371	.044438	.023944
%RSD	.7118149	.9021552	.1801267	.1308008	.2021884	1.308596	.3784887

#1	17.77606	.3317284	.4764319	.7570360	.2156945	3.344559	6.353881
#2	18.03031	.3269099	.4747643	.7562496	.2165523	3.421006	6.313554
#3	17.91953	.3263347	.4752590	.7582172	.2162691	3.422040	6.311351

Sample Name: Q3315-02A Acquired: 10/10/2025 14:23:21 Type: Unk
Method: 6010-200.7 NEW(v276) 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	1.539435	.2125860	.3775997
Stddev	.005432	.0006782	.0003456
%RSD	.3528641	.3190418	.0915270

#1	1.541199	.2131783	.3776567
#2	1.533340	.2127335	.3779132
#3	1.543766	.2118461	.3772291

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5757.590	81977.88	6156.091	4226.794	6586.186
Stddev	6.590	393.66	32.320	15.255	2.615
%RSD	.1144617	.4802047	.5250095	.3609074	.0397113

#1	5759.382	82234.65	6130.703	4238.037	6586.196
#2	5763.098	82174.33	6192.474	4232.916	6588.796
#3	5750.289	81524.65	6145.095	4209.429	6583.565

Sample Name: PB170008BL Acquired: 10/10/2025 14:27:31 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.004120	-.004582	-.000213	-.000371	.0012650	.0023058	-.002960
Stddev	.002183	.001591	.000420	.002419	.0008507	.0176481	.000950
%RSD	52.98650	34.71842	197.3696	652.7475	67.24646	765.3733	32.09303

#1	-.001636	-.003834	.000211	-.000899	.0015060	.0204360	-.003831
#2	-.004993	-.006408	-.000220	-.002482	.0019691	.0012986	-.001947
#3	-.005732	-.003502	-.000628	.002269	.0003198	-.014817	-.003101

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000037	-.000068	-.012029	.0005439	-.000213	.0000045	-.001440
Stddev	.000033	.000063	.005827	.0001326	.000108	.0001561	.003672
%RSD	90.02866	92.60093	48.44386	24.38553	50.84085	3492.535	254.9465

#1	-.000061	-.000125	-.018733	.0004827	-.000337	.0001359	.002070
#2	.000001	-.000001	-.008171	.0006961	-.000144	-.000168	-.005255
#3	-.000049	-.000078	-.009184	.0004530	-.000157	.000046	-.001137

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001276	.0106240	-.000158	.0006980	-.243432	.0020734	-.000087
Stddev	.000423	.0090790	.000235	.0003459	.012017	.0021100	.000145
%RSD	33.15591	85.45659	148.4495	49.56182	4.936486	101.7639	166.2416

#1	-.001334	.0099722	.000106	.0007504	-.248105	.0043570	-.000109
#2	-.001667	.0018886	-.000344	.0010147	-.252411	.0001961	.000068
#3	-.000827	.0200114	-.000236	.0003289	-.229781	.0016671	-.000221

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.338626	-.007576	.0003002	-.019812	-.001295	-.014686	.0010748
Stddev	.008623	.000297	.0000729	.000279	.000976	.009777	.0010087
%RSD	2.546571	3.914903	24.28512	1.410618	75.37221	66.57053	93.84691

#1	-.347369	-.007915	.0003705	-.020028	-.000359	-.005689	.0021022
#2	-.338379	-.007362	.0003050	-.019911	-.001218	-.013280	.0010361
#3	-.330128	-.007451	.0002250	-.019496	-.002307	-.025090	.0000860

Sample Name: PB170008BL Acquired: 10/10/2025 14:27:31 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.007126	-.004933	-.000272
Stddev	.001752	.000800	.000053
%RSD	24.58450	16.21658	19.65440

#1	-.006915	-.005310	-.000220
#2	-.008974	-.005474	-.000269
#3	-.005490	-.004014	-.000327

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6642.824	95964.56	6649.097	4856.878	8298.059
Stddev	11.500	421.28	50.619	21.906	25.736
%RSD	.1731199	.4389966	.7612919	.4510403	.3101504

#1	6634.153	96309.35	6705.794	4879.569	8273.102
#2	6638.449	96089.35	6633.052	4855.214	8296.565
#3	6655.869	95494.98	6608.445	4835.851	8324.510

Sample Name: PB170008BS Acquired: 10/10/2025 14:31:49 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.7797394	1.636753	.9391971	1.962145	.8107210	1.964327
Stddev	.0008819	.059440	.0018079	.006494	.0014736	.003901
%RSD	.1131069	3.631555	.1924926	.3309804	.1817690	.1986143

#1	.7803720	1.701892	.9400601	1.969493	.8122695	1.965660
#2	.7801141	1.622912	.9404117	1.957174	.8105574	1.967387
#3	.7787319	1.585454	.9371194	1.959769	.8093359	1.959933

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1834328	.1982664	.1880685	1.023080	.4113624	.1932163
Stddev	.0011296	.0000652	.0002699	.005783	.0002475	.0003856
%RSD	.6158204	.0328664	.1435365	.5652815	.0601607	.1995515

#1	.1845069	.1983184	.1881747	1.016490	.4111034	.1928437
#2	.1835368	.1982875	.1882693	1.027310	.4113871	.1936136
#3	.1822548	.1981933	.1877617	1.025440	.4115966	.1931915

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3065144	3.076192	.1922526	1.992170	.4875642	.0764898
Stddev	.0002367	.019435	.0009714	.024958	.0007632	.0002716
%RSD	.0772148	.6317816	.5052596	1.252783	.1565294	.3551119

#1	.3062963	3.096625	.1916128	2.016228	.4877121	.0767982
#2	.3067661	3.057940	.1917747	1.993881	.4882427	.0763849
#3	.3064809	3.074010	.1933704	1.966401	.4867380	.0762862

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.431920	.2963591	.2117176	10.14171	.2836547	.4035306
Stddev	.018342	.0026857	.0003502	.02029	.0014156	.0007216
%RSD	.5344577	.9062393	.1654200	.2000553	.4990513	.1788221

#1	3.442667	.2988804	.2119326	10.12979	.2842611	.4043601
#2	3.410741	.2966623	.2119067	10.13021	.2820369	.4031843
#3	3.442352	.2935347	.2113135	10.16514	.2846660	.4030475

Sample Name: PB170008BS Acquired: 10/10/2025 14:31:49 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.6558798	.1856108	.8782979	5.340448	F -.000740	.2013459
Stddev	.0017301	.0020417	.0106970	.030809	.001423	.0005511
%RSD	.2637868	1.099968	1.217926	.5769049	192.2711	.2736891
#1	.6566296	.1872881	.8869742	5.368199	.000754	.2018978
#2	.6571084	.1833374	.8815734	5.345848	-.000894	.2013442
#3	.6539012	.1862069	.8663461	5.307295	-.002079	.2007956

Elem	Sr4077
Units	ppm
Avg	.1844093
Stddev	.0011949
%RSD	.6479412
#1	.1851929
#2	.1830341
#3	.1850011

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6753.178	92469.62	6653.757	4677.457	8208.920
Stddev	4.284	316.45	19.061	5.457	4.700
%RSD	.0634393	.3422202	.2864677	.1166586	.0572560
#1	6748.413	92174.17	6636.388	4671.471	8204.601
#2	6754.410	92431.13	6650.736	4678.746	8208.234
#3	6756.712	92803.55	6674.149	4682.154	8213.926

Sample Name: PB170058BL Acquired: 10/10/2025 14:35:50 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.000072	-.001339	-.000731	.0012417	.0001417	-.002590
Stddev	.001016	.001052	.000658	.0024348	.0012044	.003185
%RSD	1418.211	78.58415	89.94067	196.0892	849.9415	122.9660

#1	.000961	-.000825	-.000238	-.000874	.0014559	.001084
#2	-.000105	-.000642	-.001478	.000695	-.000121	-.004294
#3	-.001070	-.002549	-.000477	.003903	-.000909	-.004560

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001952	.0000693	-.000039	.0008249	-.000014	-.000050
Stddev	.001676	.0000285	.000075	.0110160	.000242	.000059
%RSD	85.86499	41.18483	194.7982	1335.443	1692.756	116.0956

#1	-.003381	.0001018	-.000048	-.001289	-.000141	.000015
#2	-.000107	.0000578	.000041	.012745	-.000167	-.000069
#3	-.002368	.0000483	-.000109	-.008981	.000265	-.000097

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001616	-.004890	-.000987	.0181699	-.000037	-.000163
Stddev	.0001951	.006260	.000769	.0091267	.000080	.000193
%RSD	120.7847	128.0210	77.86330	50.22970	216.5957	118.6507

#1	-.000038	-.011855	-.001718	.0113405	-.000128	-.000171
#2	.000352	-.003081	-.000186	.0285356	.000019	.000034
#3	.000171	.000266	-.001057	.0146337	-.000002	-.000351

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3067910	.0031988	-.000289	.2677679	-.007565	.0003826
Stddev	.0162812	.0013480	.000170	.0248024	.000416	.0000717
%RSD	5.306926	42.14242	59.00953	9.262651	5.495695	18.74871

#1	.2994410	.0031648	-.000109	.2482605	-.007115	.0004338
#2	.2954807	.0045635	-.000448	.2956808	-.007644	.0003006
#3	.3254513	.0018681	-.000308	.2593625	-.007935	.0004133

Sample Name: PB170058BL Acquired: 10/10/2025 14:35:50 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0076765	-.000189	-.014506	.0010918	F .0193650	.0042831
Stddev	.0005544	.000852	.016939	.0011923	.0005891	.0006639
%RSD	7.221504	450.0263	116.7710	109.2031	3.041910	15.50132

#1	.0071914	.000281	-.012667	.0024665	.0197008	.0042464
#2	.0075575	-.001173	-.032290	.0003406	.0186848	.0036383
#3	.0082807	.000324	.001438	.0004682	.0197093	.0049646

Elem	Sr4077
Units	ppm
Avg	.0000084
Stddev	.0001673
%RSD	1985.037

#1	-.000023
#2	.000189
#3	-.000141

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6411.526	92409.98	6505.034	4692.751	7968.736
Stddev	3.485	213.61	35.025	21.576	3.270
%RSD	.0543578	.2311591	.5384342	.4597658	.0410381

#1	6413.728	92191.06	6541.554	4668.918	7972.428
#2	6413.343	92421.03	6501.821	4710.952	7967.578
#3	6407.508	92617.86	6471.725	4698.384	7966.203

Sample Name: Q3310-01 Acquired: 10/10/2025 14:44:09 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.3720925	-.127448	1.883111	-.158321	-.008878	88.76003
Stddev	.0010661	.008623	.006469	.001419	.002817	.63008
%RSD	.2865173	6.765742	.3435477	.8961121	31.72769	.7098690

#1	.3727507	-.119138	1.876681	-.159952	-.011743	88.42937
#2	.3708624	-.136353	1.883032	-.157634	-.008781	88.36410
#3	.3726643	-.126854	1.889619	-.157376	-.006112	89.48660

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.157754	.0117142	.0148336	86.98134	.7053657	.1645421
Stddev	.018635	.0001493	.0002009	.64953	.0019588	.0002683
%RSD	.5901411	1.274394	1.354559	.7467455	.2777014	.1630432

#1	3.146138	.0118427	.0148270	86.59146	.7072249	.1646651
#2	3.147876	.0117496	.0150377	86.62140	.7033206	.1642344
#3	3.179249	.0115505	.0146360	87.73115	.7055515	.1647268

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.486886	548.5773	15.67893	115.6285	2.019926	.0157874
Stddev	.005101	1.0704	.10216	.8378	.007997	.0005332
%RSD	.3430489	.1951146	.6515772	.7245843	.3958889	3.377479

#1	1.481877	547.5840	15.62161	115.3440	2.014479	.0158833
#2	1.486706	548.4372	15.61829	114.9700	2.016193	.0152128
#3	1.492073	549.7109	15.79687	116.5715	2.029107	.0162662

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	43.90999	F 6.629805	5.376266	13.81189	^ *****	.0254994
Stddev	.09499	.045283	.009360	.03037	-----	.0002208
%RSD	.2163288	.6830260	.1740994	.2198982	-----	.8657176

#1	43.95504	6.599135	5.378951	13.77790	^ ----	.0257067
#2	43.97407	6.608465	5.365857	13.83639	^ ----	.0252673
#3	43.80085	6.681815	5.383990	13.82137	^ ----	.0255244

Sample Name: Q3310-01 Acquired: 10/10/2025 14:44:09 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.2159183	3.530847	F 20.48745	F 14.14017	F 13.44168	.2501457
Stddev	.0022262	.031637	.25003	.05062	.08208	.0015719
%RSD	1.031040	.8960069	1.220393	.3579938	.6106632	.6284146

#1	.2133776	3.525306	20.22361	14.09569	13.35481	.2487517
#2	.2168502	3.502347	20.72089	14.19525	13.51794	.2498360
#3	.2175271	3.564888	20.51783	14.12958	13.45231	.2518495

Elem	Sr4077
Units	ppm
Avg	.1326172
Stddev	.0034070
%RSD	2.569078

#1	.1305318
#2	.1307709
#3	.1365489

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6204.813	91583.11	6660.922	4616.696	6606.104
Stddev	22.554	391.16	42.637	31.962	19.925
%RSD	.3634932	.4271048	.6401072	.6923147	.3016079

#1	6223.392	91155.85	6649.173	4589.408	6622.235
#2	6211.328	91923.57	6708.202	4651.860	6612.245
#3	6179.718	91669.93	6625.392	4608.820	6583.832

Sample Name: PB170058BS Acquired: 10/10/2025 14:48:09 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.7699089	1.632626	.9262575	1.944161	.8145086	1.929396
Stddev	.0063372	.019825	.0030433	.003879	.0003818	.003775
%RSD	.8231112	1.214324	.3285636	.1995209	.0468720	.1956604

#1	.7625914	1.632924	.9246702	1.939787	.8145006	1.931940
#2	.7735389	1.612654	.9297663	1.945515	.8148943	1.931188
#3	.7735964	1.652301	.9243360	1.947182	.8141308	1.925058

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1870087	.1808646	.1844843	.9168923	.4016672	.1906948
Stddev	.0019270	.0002538	.0003016	.0058560	.0022462	.0004972
%RSD	1.030452	.1403007	.1634626	.6386751	.5592114	.2607539

#1	.1855024	.1810688	.1841426	.9230959	.3993539	.1901240
#2	.1891802	.1805805	.1847130	.9161204	.4038396	.1910340
#3	.1863435	.1809444	.1845975	.9114605	.4018081	.1909265

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3023380	3.295529	.1893575	1.940899	.4774234	.0770882
Stddev	.0009106	.028298	.0006506	.044359	.0005837	.0004417
%RSD	.3011954	.8586761	.3435839	2.285483	.1222700	.5729506

#1	.3013294	3.291976	.1892370	1.890047	.4767811	.0774433
#2	.3030997	3.325436	.1900599	1.971644	.4775676	.0772276
#3	.3025849	3.269176	.1887755	1.961005	.4779216	.0765936

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.377377	.2907882	.2104562	10.94877	.2576017	.4016807
Stddev	.064615	.0043648	.0005480	.18197	.0013262	.0007262
%RSD	1.913173	1.501023	.2603766	1.661969	.5148379	.1807821

#1	3.309845	.2858579	.2100114	10.79200	.2589831	.4010141
#2	3.438614	.2941593	.2102887	11.14831	.2563386	.4024545
#3	3.383671	.2923475	.2110683	10.90599	.2574835	.4015736

Sample Name: PB170058BS Acquired: 10/10/2025 14:48:09 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.6657104	.1861618	.9930745	5.329111	F .0147272	.1908287
Stddev	.0020382	.0005712	.0289563	.035823	.0005603	.0002046
%RSD	.3061650	.3068185	2.915824	.6722116	3.804429	.1072046
#1	.6646890	.1860039	.9829957	5.345208	.0151180	.1910649
#2	.6643848	.1867953	1.025723	5.288063	.0140853	.1907067
#3	.6680573	.1856862	.970505	5.354062	.0149783	.1907146

Elem	Sr4077
Units	ppm
Avg	.1864175
Stddev	.0010444
%RSD	.5602436
#1	.1854263
#2	.1875080
#3	.1863181

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6517.183	87027.77	6983.843	4446.618	7931.082
Stddev	21.253	490.74	12.882	31.213	13.828
%RSD	.3261072	.5638901	.1844473	.7019431	.1743509
#1	6530.096	87562.60	6998.449	4482.094	7941.672
#2	6492.654	86598.20	6978.971	4423.373	7915.438
#3	6528.800	86922.50	6974.107	4434.387	7936.136

Sample Name: Q3310-02 Acquired: 10/10/2025 14:52:11 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.4909910	-.208192	3.744677	-.096186	-.001040	126.9380
Stddev	.0001442	.016665	.014220	.001355	.003008	.7027
%RSD	.0293745	8.004556	.3797267	1.408879	289.2936	.5535942

#1	.4910887	-.202190	3.743718	-.094797	.002023	127.7464
#2	.4910588	-.227027	3.730961	-.096257	-.001152	126.5956
#3	.4908253	-.195360	3.759352	-.097504	-.003990	126.4722

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.479812	.0127005	.0130061	109.3279	.7572807	.2334799
Stddev	.016085	.0001080	.0002735	.4122	.0025935	.0014987
%RSD	.4622486	.8502434	2.102845	.3770494	.3424692	.6418836

#1	3.488815	.0126729	.0131079	109.7495	.7543575	.2333112
#2	3.489380	.0128196	.0132141	109.3084	.7593055	.2320726
#3	3.461241	.0126090	.0126963	108.9257	.7581792	.2350557

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.939937	378.3154	9.793703	198.2993	4.725044	.0092209
Stddev	.014425	1.8141	.055812	.9474	.016221	.0007899
%RSD	.3661161	.4795097	.5698784	.4777838	.3433082	8.565845

#1	3.936483	378.3623	9.816420	199.3408	4.727350	.0096015
#2	3.927552	376.4784	9.834574	198.0686	4.707793	.0083128
#3	3.955775	380.1056	9.730115	197.4886	4.739990	.0097484

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	54.84716	F 10.90553	9.699064	18.40134	.2186253	.0289632
Stddev	.19865	.04727	.021678	.17376	.0121978	.0004769
%RSD	.3621969	.4334128	.2235061	.9443037	5.579309	1.646686

#1	54.73670	10.95789	9.674127	18.40090	.2132274	.0284127
#2	54.72828	10.89267	9.709650	18.22779	.2100578	.0292517
#3	55.07649	10.86602	9.713416	18.57532	.2325907	.0292253

Sample Name: Q3310-02 Acquired: 10/10/2025 14:52:11 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.5961709	5.035031	F 20.51148	F 19.86275	F 14.90433	.1839278
Stddev	.0039316	.018550	.25316	.08070	.08081	.0011475
%RSD	.6594776	.3684164	1.234219	.4062806	.5421655	.6238994
#1	.5999195	5.046927	20.73798	19.77150	14.87107	.1838263
#2	.5920788	5.044508	20.23819	19.92474	14.99645	.1828345
#3	.5965144	5.013657	20.55827	19.89201	14.84546	.1851228

Elem	Sr4077
Units	ppm
Avg	.5665097
Stddev	.0065460
%RSD	1.155496
#1	.5699972
#2	.5705735
#3	.5589583

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6549.302	94194.66	7006.339	4638.691	6687.293
Stddev	24.834	197.14	53.054	.327	20.977
%RSD	.3791788	.2092912	.7572236	.0070565	.3136777
#1	6551.827	94298.40	6991.876	4638.464	6689.921
#2	6572.776	94318.27	6962.017	4639.066	6706.831
#3	6523.302	93967.31	7065.125	4638.543	6665.126

Sample Name: Q3310-03 Acquired: 10/10/2025 14:56:10 Type: Unk
Method: 6010-200.7 NEW(v276) 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	3.301407	-.123294	11.88982	-.292286	.0954356	96.77213
Stddev	.013150	.005023	.04252	.004125	.0013731	.21216
%RSD	.3983194	4.074222	.3576475	1.411171	1.438799	.2192417

#1	3.304422	-.127133	11.89563	-.292622	.0969580	96.57136
#2	3.287011	-.117609	11.84469	-.288004	.0950582	96.75093
#3	3.312787	-.125140	11.92914	-.296233	.0942906	96.99410

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.096525	.0206554	.0214360	62.67270	.5698270	.1690723
Stddev	.010428	.0004225	.0008501	.23093	.0009060	.0006850
%RSD	.4974167	2.045268	3.965909	.3684694	.1589956	.4051634

#1	2.101831	.0208422	.0204711	62.88882	.5704930	.1692578
#2	2.103234	.0201718	.0220747	62.42938	.5701927	.1683137
#3	2.084510	.0209524	.0217621	62.69992	.5687953	.1696455

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.75581	977.2441	18.92908	78.56363	1.338891	^ *****
Stddev	.03565	14.5432	.07993	.20308	.005317	----
%RSD	.3314563	1.488182	.4222407	.2584913	.3970865	----

#1	10.76442	990.6879	19.01106	78.47330	1.340095	^ ----
#2	10.71664	961.8072	18.92478	78.42138	1.333075	^ ----
#3	10.78637	979.2373	18.85138	78.79620	1.343502	^ ----

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.79473	3.698005	6.015720	21.97548	^ *****	.0676537
Stddev	.18755	.003546	.010204	.15890	----	.0005530
%RSD	.6747673	.0958959	.1696282	.7230609	----	.8173616

#1	27.99464	3.701505	6.005057	22.02791	^ ----	.0678008
#2	27.76688	3.694414	6.016707	22.10153	^ ----	.0670420
#3	27.62266	3.698097	6.025394	21.79699	^ ----	.0681182

Sample Name: Q3310-03 Acquired: 10/10/2025 14:56:10 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.582662	4.420427	9.804122	F 25.22053	F 16.07699	.2848739
Stddev	.008212	.016595	.192742	.20218	.17376	.0027640
%RSD	.5188558	.3754188	1.965928	.8016619	1.080794	.9702630
#1	1.585613	4.435753	9.587034	25.23207	16.09799	.2852482
#2	1.573383	4.422726	9.870190	25.01283	15.89369	.2819417
#3	1.588991	4.402803	9.955141	25.41670	16.23930	.2874316

Elem	Sr4077
Units	ppm
Avg	-.089521
Stddev	.015079
%RSD	16.84413
#1	-.100771
#2	-.072387
#3	-.095404

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6453.747	90636.25	6873.989	4518.845	6821.520
Stddev	19.941	211.54	21.723	7.566	26.781
%RSD	.3089873	.2334000	.3160142	.1674365	.3925984
#1	6450.477	90480.39	6881.807	4511.725	6821.336
#2	6475.122	90877.07	6890.721	4526.790	6848.393
#3	6435.643	90551.29	6849.440	4518.021	6794.832

Sample Name: CCV03 Acquired: 10/10/2025 15:37:01 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.959845	4.894045	4.895761	4.946592	5.041231	10.07331	9.925655
Stddev	.014239	.054357	.006918	.006006	.002330	.09412	.105981
%RSD	.2870949	1.110674	.1413084	.1214086	.0462107	.9343762	1.067750

#1	4.960984	4.831298	4.887785	4.951019	5.043916	10.06173	9.928123
#2	4.973481	4.924101	4.899356	4.939756	5.040041	10.17268	10.03038
#3	4.945070	4.926737	4.900141	4.949002	5.039737	9.98551	9.81846

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2391128	2.459035	24.44315	1.013094	2.479178	1.258294	5.170000
Stddev	.0043277	.003569	.25300	.003511	.001618	.000329	.025504
%RSD	1.809881	.1451563	1.035043	.3465644	.0652458	.0261667	.4933108

#1	.2379834	2.455446	24.40698	1.017136	2.477366	1.258570	5.184888
#2	.2438932	2.462585	24.71229	1.010810	2.479692	1.257930	5.140551
#3	.2354618	2.459073	24.21019	1.011335	2.480476	1.258383	5.184560

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.449790	24.78135	2.468345	1.260845	25.66276	2.501928	2.504937
Stddev	.024408	.21745	.002977	.003036	.24273	.034509	.004669
%RSD	.9963376	.8774627	.1206255	.2408244	.9458338	1.379296	.1864009

#1	2.443920	24.72528	2.464928	1.263741	25.82257	2.494727	2.499951
#2	2.476598	25.02134	2.469723	1.257685	25.38345	2.539470	2.505651
#3	2.428853	24.59743	2.470384	1.261108	25.78225	2.471588	2.509207

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.94542	4.723149	5.035129	4.879981	4.912813	5.276553	4.717767
Stddev	.26835	.093649	.004421	.012070	.047364	.051150	.016579
%RSD	1.034299	1.982771	.0878041	.2473271	.9640954	.9693903	.3514266

#1	26.03358	4.687898	5.034117	4.871248	4.897355	5.286939	4.709665
#2	25.64408	4.829308	5.039968	4.893753	4.965975	5.221007	4.736839
#3	26.15861	4.652241	5.031301	4.874941	4.875109	5.321713	4.706796

Sample Name: CCV03 Acquired: 10/10/2025 15:37:01 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.726963	4.758616	4.987014
Stddev	.025500	.058206	.081670
%RSD	.5394580	1.223169	1.637657

#1	4.711943	4.732475	5.031988
#2	4.756406	4.825309	5.036311
#3	4.712540	4.718063	4.892742

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6385.109	89561.87	6504.765	4593.392	7365.178
Stddev	3.693	434.16	125.814	49.387	9.256
%RSD	.0578418	.4847546	1.934175	1.075179	.1256711

#1	6389.188	90015.82	6586.957	4646.350	7375.842
#2	6381.992	89519.11	6359.927	4585.236	7359.228
#3	6384.148	89150.68	6567.411	4548.591	7360.464

Sample Name: CCB03 Acquired: 10/10/2025 15:41:04 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.003479	-.004630	-.000445	.0044427	.0014914	.0070282	.0068961
Stddev	.001216	.001215	.000412	.0018744	.0008342	.0110827	.0025648
%RSD	34.96410	26.24089	92.64599	42.18945	55.93446	157.6890	37.19170

#1	-.002160	-.004307	-.000897	.0063995	.0024538	.0035169	.0098550
#2	-.003721	-.003609	-.000349	.0042651	.0010447	.0194412	.0053079
#3	-.004556	-.005973	-.000089	.0026634	.0009756	-.001873	.0055255

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000060	-.000073	-.012562	.0005171	-.000408	-.000223	-.003709
Stddev	.000036	.000059	.013567	.0000801	.000112	.000204	.003947
%RSD	59.10753	81.46649	107.9976	15.48572	27.40223	91.40504	106.3956

#1	-.000039	-.000009	-.025406	.0005829	-.000536	-.000411	-.002822
#2	-.000102	-.000126	-.013907	.0004279	-.000339	-.000007	-.008024
#3	-.000040	-.000082	.001627	.0005405	-.000347	-.000250	-.000282

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001187	.0058212	-.000299	-.000601	-.271426	.0014704	.0001929
Stddev	.000477	.0419941	.000286	.000537	.006393	.0033949	.0000334
%RSD	40.17804	721.4047	95.68021	89.32585	2.355447	230.8841	17.30870

#1	-.000751	.0290630	-.000535	-.000218	-.278493	.0025456	.0002256
#2	-.001696	-.042656	-.000379	-.001215	-.269740	.0041975	.0001944
#3	-.001113	.031056	.000019	-.000371	-.266044	-.002332	.0001588

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.419688	-.002597	.0007849	-.019590	-.000530	-.004922	.0009244
Stddev	.023363	.000068	.0000667	.000316	.001690	.017844	.0019579
%RSD	5.566732	2.616505	8.503905	1.612523	318.9968	362.5302	211.8042

#1	-.411213	-.002672	.0008440	-.019338	-.002215	-.023549	.0005581
#2	-.446106	-.002578	.0007125	-.019486	.001165	.012020	-.000825
#3	-.401745	-.002540	.0007982	-.019944	-.000539	-.003238	.003040

Sample Name: CCB03 Acquired: 10/10/2025 15:41:04 Type: Unk
Method: 6010-200.7 NEW(v276) 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	-.006344	-.003583	-.000146
Stddev	.001277	.000570	.000083
%RSD	20.12291	15.89496	56.73621

#1	-.005718	-.002929	-.000060
#2	-.005501	-.003851	-.000151
#3	-.007813	-.003969	-.000225

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6289.025	90073.47	6495.073	4685.704	7818.698
Stddev	22.369	484.92	34.123	34.624	16.331
%RSD	.3556779	.5383621	.5253733	.7389302	.2088743

#1	6285.536	90574.13	6534.089	4703.242	7806.550
#2	6268.606	90040.29	6480.336	4708.049	7812.279
#3	6312.933	89605.99	6470.795	4645.820	7837.263

Sample Name: Q3321-01 Acquired: 10/10/2025 15:45:22 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.4824226	-.121337	34.38055	-.667038	.3209734	156.6487
Stddev	.0038631	.005945	.02968	.010970	.0055924	.2081
%RSD	.8007783	4.899265	.0863404	1.644569	1.742336	.1328286

#1	.4781682	-.122601	34.39179	-.658155	.3163694	156.8027
#2	.4833883	-.114862	34.40297	-.679300	.3271968	156.7315
#3	.4857112	-.126548	34.34689	-.663659	.3193540	156.4120

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.811829	.0303848	1.735656	1119.818	8.142928	.6693367
Stddev	.023556	.0001184	.001578	2.044	.009371	.0008360
%RSD	.3015391	.3895540	.0909105	.1825235	.1150765	.1248932

#1	7.837088	.0303342	1.735987	1118.253	8.145251	.6697852
#2	7.807936	.0303001	1.737042	1119.072	8.150919	.6698526
#3	7.790462	.0305200	1.733939	1122.131	8.132615	.6683722

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 110.9685	1811.153	22.18355	507.8586	18.48523	^ *****
Stddev	.3472	15.394	.05234	.8099	.01339	-----
%RSD	.3129034	.8499318	.2359615	.1594678	.0724554	-----

#1	111.2751	1802.368	22.24386	508.5253	18.49400	^ ----
#2	110.5914	1802.164	22.15675	508.0932	18.49188	^ ----
#3	111.0388	1828.928	22.15003	506.9573	18.46982	^ ----

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.413457	.4782678	29.62048	21.96519	^ *****	.6531058
Stddev	.031971	.0042861	.55345	.01079	-----	.0001979
%RSD	.7244069	.8961714	1.868463	.0491253	-----	.0303075

#1	4.386190	.4809617	30.15838	21.96418	^ ----	.6531887
#2	4.405538	.4805164	29.05269	21.95494	^ ----	.6528799
#3	4.448644	.4733253	29.65036	21.97645	^ ----	.6532488

Sample Name: Q3321-01 Acquired: 10/10/2025 15:45:22 Type: Unk
Method: 6010-200.7 NEW(v276) 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	5.456632	3.357222	F 15.28498	F 14.62742	F 27.92887	.2040418
Stddev	.007513	.029130	.06554	.04515	.06249	.0023138
%RSD	.1376825	.8676945	.4288045	.3086694	.2237592	1.133980

#1	5.451902	3.385106	15.26990	14.57603	27.85801	.2034449
#2	5.465295	3.359572	15.35675	14.66072	27.95248	.2020849
#3	5.452699	3.326988	15.22829	14.64552	27.97611	.2065955

Elem	Sr4077
Units	ppm
Avg	-.787253
Stddev	.015523
%RSD	1.971798

#1	-.776748
#2	-.779928
#3	-.805083

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5218.974	84864.19	6570.659	4108.634	5505.602
Stddev	9.768	68.16	6.363	26.121	9.217
%RSD	.1871659	.0803195	.0968329	.6357552	.1674157

#1	5207.750	84789.72	6576.397	4091.338	5497.488
#2	5225.551	84879.34	6571.765	4095.883	5503.694
#3	5223.621	84923.50	6563.817	4138.682	5515.624

Sample Name: Q3322-01 Acquired: 10/10/2025 15:50:01 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0602430	-.024728	.4862704	-.079297	-.007139	172.4819
Stddev	.0015164	.003105	.0005635	.004348	.001779	.2021
%RSD	2.517179	12.55828	.1158861	5.483251	24.91747	.1171674

#1	.0619719	-.027409	.4856389	-.078956	-.008112	172.5270
#2	.0591385	-.021325	.4867218	-.075130	-.005086	172.2611
#3	.0596186	-.025451	.4864506	-.083806	-.008218	172.6576

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7430388	.0108666	.0095050	72.28860	.1923814	.1555627
Stddev	.0010281	.0000377	.0002994	.13127	.0006322	.0009101
%RSD	.1383699	.3473077	3.150194	.1815862	.3286002	.5850590

#1	.7424038	.0108231	.0092783	72.43055	.1929633	.1554251
#2	.7442250	.0108852	.0093923	72.17160	.1924721	.1547291
#3	.7424876	.0108913	.0098444	72.26366	.1917087	.1565337

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3098089	291.9953	4.966722	68.54403	.2557935	.0050317
Stddev	.0019768	1.8832	.001651	.27767	.0010395	.0007155
%RSD	.6380777	.6449295	.0332482	.4050993	.4063712	14.22033

#1	.3076798	293.6544	4.967510	68.83143	.2553005	.0054850
#2	.3101607	289.9484	4.964824	68.27724	.2550922	.0042068
#3	.3115863	292.3830	4.967831	68.52343	.2569877	.0054033

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.631570	.5231256	.7214556	13.25810	.0977889	.0043108
Stddev	.022844	.0046260	.0073211	.03204	.0109898	.0003760
%RSD	.2646552	.8843004	1.014769	.2416501	11.23829	8.722565

#1	8.654404	.5232763	.7275005	13.25189	.1081562	.0038929
#2	8.631588	.5184262	.7133153	13.22963	.0862676	.0044181
#3	8.608716	.5276745	.7235511	13.29279	.0989429	.0046216

Sample Name: Q3322-01 Acquired: 10/10/2025 15:50:01 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0347857	5.595874	F 11.63158	8.108683	4.381388	.2091615
Stddev	.0007775	.013996	.07895	.063357	.018838	.0017044
%RSD	2.234983	.2501162	.6787914	.7813471	.4299529	.8148934

#1	.0356739	5.592225	11.54185	8.167338	4.396213	.2074234
#2	.0342285	5.584064	11.66251	8.041490	4.360190	.2108301
#3	.0344548	5.611334	11.69039	8.117221	4.387760	.2092310

Elem	Sr4077
Units	ppm
Avg	-.065124
Stddev	.002005
%RSD	3.078181

#1	-.066983
#2	-.063000
#3	-.065388

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7247.406	103576.4	7246.133	5295.083	6817.203
Stddev	30.904	507.7	24.313	33.774	32.302
%RSD	.4264162	.4902060	.3355351	.6378370	.4738253

#1	7255.148	102991.8	7247.013	5265.300	6830.989
#2	7273.702	103907.2	7221.392	5331.778	6840.325
#3	7213.366	103830.2	7269.994	5288.172	6780.296

Sample Name: Q3322-01DUP Acquired: 10/10/2025 15:54:02 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0622887	-.027299	.5052610	-.085003	-.006931	174.1691
Stddev	.0017629	.012567	.0009610	.002404	.001193	2.2463
%RSD	2.830265	46.03686	.1901940	2.827717	17.20872	1.289743

#1	.0625050	-.033307	.5055914	-.086498	-.005579	171.7202
#2	.0604275	-.035734	.5060133	-.086280	-.007835	174.6529
#3	.0639335	-.012855	.5041785	-.082230	-.007379	176.1340

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7393442	.0107306	.0102358	71.23738	.2025610	.1616561
Stddev	.0086748	.0000878	.0005178	1.00696	.0005029	.0004319
%RSD	1.173306	.8179494	5.058283	1.413534	.2482447	.2671399

#1	.7303245	.0106611	.0107700	70.15487	.2030351	.1619557
#2	.7400813	.0108292	.0102014	71.41108	.2026142	.1618516
#3	.7476270	.0107014	.0097362	72.14620	.2020337	.1611611

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3207092	304.9199	4.855174	68.89782	.2652147	.0057432
Stddev	.0011207	2.5997	.058105	.61416	.0008350	.0018902
%RSD	.3494408	.8525763	1.196766	.8914029	.3148520	32.91230

#1	.3208622	302.2613	4.795430	68.27762	.2661773	.0042002
#2	.3217454	305.0422	4.858604	68.91010	.2646851	.0051778
#3	.3195198	307.4563	4.911489	69.50575	.2647816	.0078516

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.083122	.5247176	.7312347	14.21120	.1681600	.0045799
Stddev	.065755	.0116757	.0016440	.15204	.0068036	.0005797
%RSD	.7239217	2.225142	.2248296	1.069894	4.045942	12.65855

#1	9.011497	.5172293	.7301416	14.03573	.1621106	.0047002
#2	9.097113	.5187528	.7304371	14.29386	.1668438	.0039494
#3	9.140754	.5381709	.7331254	14.30401	.1755256	.0050901

Sample Name: Q3322-01DUP Acquired: 10/10/2025 15:54:02 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0235332	5.665406	F 18.04609	8.373567	4.508165	.2072312
Stddev	.0005005	.048525	.11515	.049450	.021786	.0014801
%RSD	2.126707	.8565127	.6380842	.5905530	.4832531	.7142251
#1	.0240312	5.612054	18.07850	8.422613	4.532232	.2063692
#2	.0230302	5.677255	18.14156	8.323722	4.502472	.2063842
#3	.0235382	5.706909	17.91821	8.374365	4.489791	.2089403

Elem	Sr4077
Units	ppm
Avg	-.077117
Stddev	.000678
%RSD	.8790239
#1	-.076911
#2	-.076567
#3	-.077874

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7013.852	101121.8	7558.466	5070.125	6586.731
Stddev	13.051	198.4	3.593	24.120	9.260
%RSD	.1860747	.1962346	.0475383	.4757347	.1405814
#1	7020.403	100910.3	7561.958	5082.606	6591.167
#2	7022.331	101151.4	7558.662	5085.447	6592.938
#3	6998.823	101303.9	7554.779	5042.321	6576.087

Sample Name: Q3322-01LX5 Acquired: 10/10/2025 15:58:03 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0108149	-.007298	.0982460	-.018339	-.003060	38.32182	.1603973
Stddev	.0006122	.002030	.0013646	.002617	.002220	.07655	.0004377
%RSD	5.660960	27.82227	1.388985	14.26862	72.56119	.1997656	.2729074

#1	.0103938	-.005510	.0984752	-.021322	-.001793	38.37190	.1599434
#2	.0115172	-.006878	.0994815	-.017264	-.005623	38.35986	.1608169
#3	.0105336	-.009505	.0967813	-.016431	-.001763	38.23370	.1604315

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026773	.0004677	16.47332	.0455315	.0297195	.0738841	67.56466
Stddev	.0000519	.0001029	.03454	.0003776	.0001760	.0010051	.11723
%RSD	1.937224	22.01055	.2096966	.8294030	.5922507	1.360399	.1735088

#1	.0026397	.0005343	16.49351	.0457475	.0298935	.0749177	67.44790
#2	.0026556	.0005196	16.49303	.0457516	.0297233	.0729101	67.68235
#3	.0027365	.0003491	16.43344	.0450955	.0295416	.0738245	67.56373

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.110624	15.54713	.0499544	-.000083	1.895712	.1211860	.1646719
Stddev	.004618	.05688	.0005214	.000333	.031697	.0038864	.0005160
%RSD	.4157605	.3658246	1.043670	399.8541	1.672039	3.206941	.3133482

#1	1.114619	15.56712	.0505238	-.000097	1.859113	.1168674	.1645926
#2	1.111684	15.59131	.0498388	.000256	1.914328	.1244018	.1652230
#3	1.105568	15.48296	.0495005	-.000409	1.913694	.1222888	.1642002

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.211832	.0250384	.0010278	.0089758	1.269844	3.523722	1.537568
Stddev	.071039	.0015388	.0001696	.0001166	.008817	.041316	.011911
%RSD	2.211778	6.145933	16.50167	1.298916	.6943656	1.172516	.7746400

#1	3.132960	.0239184	.0008345	.0089533	1.279967	3.571342	1.551314
#2	3.231753	.0267930	.0010971	.0091019	1.265726	3.497404	1.530324
#3	3.270784	.0244037	.0011518	.0088720	1.263839	3.502421	1.531065

Sample Name: Q3322-01LX5 Acquired: 10/10/2025 15:58:03 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.8249128	.0471514	-.017323
Stddev	.0072907	.0009407	.000171
%RSD	.8838153	1.995111	.9877850
#1	.8330230	.0461884	-.017286
#2	.8228127	.0480681	-.017510
#3	.8189026	.0471975	-.017174

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6773.159	91987.10	6596.897	4722.968	7714.924
Stddev	8.811	263.07	44.395	15.869	3.612
%RSD	.1300874	.2859816	.6729693	.3359935	.0468135
#1	6782.556	91809.32	6555.302	4713.048	7715.065
#2	6771.839	91862.68	6591.747	4714.584	7718.463
#3	6765.083	92289.29	6643.643	4741.270	7711.244

Sample Name: Q3322-01MS Acquired: 10/10/2025 16:02:09 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.7324995	1.738747	1.679077	1.536973	.3389390	175.1338
Stddev	.0049665	.075304	.010429	.005182	.0091502	1.4699
%RSD	.6780185	4.330943	.6211231	.3371387	2.699652	.8392759

#1	.7275628	1.822984	1.670389	1.531289	.3283990	176.4029
#2	.7324405	1.715304	1.690643	1.541433	.3448476	173.5232
#3	.7374953	1.677953	1.676201	1.538198	.3435703	175.4752

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9411857	.1792580	.2075359	110.7828	.5671457	.3716593
Stddev	.0067348	.0030083	.0026840	.9537	.0404497	.0030831
%RSD	.7155684	1.678179	1.293274	.8608341	7.132146	.8295577

#1	.9480536	.1813203	.2052656	111.7432	.5752194	.3680994
#2	.9345924	.1758061	.2104981	109.8360	.5232680	.3734722
#3	.9409111	.1806476	.2068439	110.7691	.6029495	.3734063

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5479063	316.0446	4.895055	83.06516	.7785555	.0763841
Stddev	.0130540	19.5788	.043932	.83061	.0068847	.0043759
%RSD	2.382522	6.194946	.8974672	.9999519	.8842963	5.728777

#1	.5404542	319.4124	4.937371	83.89794	.7706409	.0771780
#2	.5629795	295.0004	4.849669	82.23673	.7831598	.0716657
#3	.5402853	333.7211	4.898125	83.06079	.7818658	.0803087

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.11782	.7725359	.9304855	26.56762	.3884369	.3496998
Stddev	.76725	.0069290	.0652111	1.65441	.0475148	.0081249
%RSD	6.331565	.8969141	7.008290	6.227179	12.23230	2.323395

#1	12.23589	.7772159	.9460491	26.81668	.3949637	.3408050
#2	11.29839	.7645760	.8589007	24.80280	.3379961	.3515633
#3	12.81920	.7758159	.9865066	28.08339	.4323508	.3567310

Sample Name: Q3322-01MS Acquired: 10/10/2025 16:02:09 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.6981365	5.913856	F 20.14525	F 14.00885	4.036873	.3855619
Stddev	.0128581	.030121	1.14041	.04575	.057656	.0069975
%RSD	1.841781	.5093326	5.660933	.3266128	1.428231	1.814874

#1	.6837052	5.943888	20.52060	14.04165	4.091146	.3912104
#2	.7023298	5.883647	18.86448	14.02833	4.043128	.3777341
#3	.7083745	5.914035	21.05068	13.95658	3.976344	.3877411

Elem	Sr4077
Units	ppm
Avg	.1282550
Stddev	.0157600
%RSD	12.28803

#1	.1273885
#2	.1444303
#3	.1129460

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7176.028	97848.29	7306.204	5049.825	6621.113
Stddev	42.283	5569.04	50.314	303.898	43.164
%RSD	.5892215	5.691504	.6886486	6.017991	.6519218

#1	7224.839	96547.67	7248.216	4977.161	6670.795
#2	7152.607	103952.5	7332.099	5383.468	6592.814
#3	7150.639	93044.7	7338.296	4788.846	6599.729

Sample Name: Q3322-01MSD Acquired: 10/10/2025 16:06:03 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.7285967	1.743661	1.520048	1.536911	.4020663	175.2945
Stddev	.0032424	.097241	.002262	.004132	.0049386	.5962
%RSD	.4450205	5.576828	.1488341	.2688537	1.228299	.3401414

#1	.7295204	1.850902	1.521987	1.540925	.3975840	175.8571
#2	.7312770	1.661226	1.520596	1.532670	.4012544	174.6695
#3	.7249927	1.718854	1.517563	1.537138	.4073605	175.3568

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9315381	.1685209	.2011728	91.28557	.5705904	.3565695
Stddev	.0034970	.0004537	.0003082	.19309	.0013254	.0001913
%RSD	.3753988	.2691928	.1532212	.2115226	.2322784	.0536535

#1	.9349675	.1682330	.2012664	91.50662	.5713741	.3563684
#2	.9279772	.1682858	.2014233	91.14986	.5690601	.3565908
#3	.9316696	.1690438	.2008285	91.20021	.5713368	.3567493

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5248807	320.1422	4.723305	78.16797	.7568418	.0817910
Stddev	.0016033	1.6291	.017746	.08660	.0012143	.0010893
%RSD	.3054621	.5088717	.3757214	.1107838	.1604405	1.331820

#1	.5231014	321.3165	4.740723	78.18406	.7568813	.0827160
#2	.5262132	318.2823	4.705247	78.07446	.7580358	.0805903
#3	.5253275	320.8277	4.723944	78.24540	.7556082	.0820667

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.52589	.7655630	.8870011	26.49940	.4305869	.4032410
Stddev	.09398	.0060478	.0015048	.19988	.0044700	.0023997
%RSD	.7502566	.7899847	.1696458	.7542670	1.038127	.5950927

#1	12.60964	.7690851	.8855708	26.66762	.4343243	.4008622
#2	12.42426	.7585797	.8885706	26.27845	.4256351	.4031999
#3	12.54376	.7690242	.8868620	26.55214	.4318011	.4056610

Sample Name: Q3322-01MSD Acquired: 10/10/2025 16:06:03 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.7832938	5.868187	F 17.26192	F 13.51986	3.618933	.3889210
Stddev	.0037808	.026835	.17649	.07697	.039639	.0027069
%RSD	.4826852	.4572926	1.022414	.5692811	1.095335	.6960064
#1	.7798096	5.896633	17.41829	13.59186	3.664658	.3912914
#2	.7827579	5.843323	17.29692	13.43874	3.594284	.3859713
#3	.7873141	5.864606	17.07056	13.52897	3.597856	.3895002

Elem	Sr4077
Units	ppm
Avg	.1047430
Stddev	.0013957
%RSD	1.332520
#1	.1063545
#2	.1039515
#3	.1039228

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7191.948	100774.0	7768.789	5230.923	6714.881
Stddev	16.315	477.1	19.143	24.655	10.921
%RSD	.2268496	.4734001	.2464051	.4713270	.1626395
#1	7210.578	100503.0	7773.384	5227.073	6727.224
#2	7180.207	101324.9	7785.216	5257.276	6706.471
#3	7185.060	100494.2	7747.767	5208.420	6710.947

Sample Name: Q3322-01A Acquired: 10/10/2025 16:09:58 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.3146383	.5777327	.8659838	.5181651	.1152153	180.0638
Stddev	.0813960	.2102313	.1163248	.2058690	.0624779	.1664
%RSD	25.86970	36.38902	13.43267	39.73038	54.22712	.0924145

#1	.2360464	.3875237	.7541687	.3206280	.0580876	180.2530
#2	.3092935	.5422134	.8574362	.5024069	.1056240	179.9403
#3	.3985749	.8034611	.9863467	.7314603	.1819343	179.9980

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8093248	.0452100	.0822914	70.89847	.2759642	.2413449
Stddev	.0077034	.0014286	.0238000	.10457	.0037582	.0245276
%RSD	.9518257	3.159855	28.92165	.1474889	1.361854	10.16289

#1	.8181989	.0437470	.0594670	71.00169	.2717477	.2178881
#2	.8043591	.0452818	.0804474	70.79261	.2771838	.2393278
#3	.8054164	.0466014	.1069598	70.90112	.2789612	.2668187

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4008360	324.6284	5.082679	70.71909	.4600580	.0256121
Stddev	.0296538	1.1770	.034775	.15837	.0603962	.0001326
%RSD	7.397974	.3625665	.6841936	.2239366	13.12795	.5178468

#1	.3719319	325.7544	5.121780	70.62569	.4020882	.0256963
#2	.3993898	323.4063	5.055212	70.62964	.4554671	.0254592
#3	.4311864	324.7245	5.071045	70.90194	.5226186	.0256807

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.71027	.5886595	.7784241	17.02845	.2690749	.0644794
Stddev	.11831	.0038872	.0006429	.07099	.0085537	.0303217
%RSD	1.104685	.6603550	.0825958	.4168621	3.178941	47.02538

#1	10.84214	.5931421	.7783762	17.11000	.2614208	.0362180
#2	10.67524	.5866187	.7778065	16.98057	.2674956	.0607111
#3	10.61342	.5862177	.7790897	16.99477	.2783082	.0965091

Sample Name: Q3322-01A Acquired: 10/10/2025 16:09:58 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.1446453	5.824421	F 18.93302	F 10.53674	4.471451	.2510622
Stddev	.0614060	.032141	.10796	.69444	.026784	.0009211
%RSD	42.45281	.5518264	.5702372	6.590649	.5989969	.3668887

#1	.0864008	5.860608	19.04783	9.90376	4.487341	.2521250
#2	.1387479	5.813463	18.83354	10.42691	4.440527	.2504937
#3	.2087872	5.799192	18.91767	11.27955	4.486484	.2505680

Elem	Sr4077
Units	ppm
Avg	-.052237
Stddev	.001910
%RSD	3.656005

#1	-.050231
#2	-.052445
#3	-.054034

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7056.507	98905.67	7671.207	5123.335	6581.374
Stddev	13.110	438.10	17.872	14.415	6.835
%RSD	.1857815	.4429494	.2329701	.2813524	.1038565

#1	7066.599	99360.10	7678.355	5138.255	6584.905
#2	7061.231	98485.97	7650.868	5122.267	6585.722
#3	7041.690	98870.93	7684.398	5109.485	6573.496

Sample Name: Q3321-01DLX5 Acquired: 10/10/2025 16:13:57 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0988704	-.024615	7.395178	-.134615	.0589711	34.02517	1.577182
Stddev	.0021944	.007110	.011287	.003370	.0004928	.03968	.008470
%RSD	2.219486	28.88636	.1526208	2.503605	.8356073	.1166176	.5370484

#1	.0999911	-.018051	7.383036	-.138408	.0593159	33.99928	1.586543
#2	.1002781	-.023627	7.405350	-.133471	.0591907	34.00538	1.574956
#3	.0963419	-.032168	7.397147	-.131965	.0584067	34.07085	1.570046

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075243	.3616281	260.9554	2.006765	.1387185	25.26477	418.6427
Stddev	.0000949	.0004498	.0843	.004588	.0003526	.02426	.9656
%RSD	1.261840	.1243696	.0323194	.2286095	.2541553	.0960394	.2306478

#1	.0075646	.3611749	260.9559	2.001548	.1385016	25.24051	418.6471
#2	.0074158	.3620744	261.0394	2.010169	.1385287	25.26475	419.6061
#3	.0075924	.3616350	260.8708	2.008578	.1391253	25.28904	417.6750

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.973514	118.2622	3.957992	.0433388	.9046458	.1093653	11.97986
Stddev	.021710	.1325	.005707	.0008044	.0310550	.0031416	.01618
%RSD	.4365091	.1120186	.1441998	1.856043	3.432831	2.872552	.1350770

#1	4.998581	118.4122	3.952101	.0441445	.8876555	.1064733	11.96154
#2	4.961249	118.2133	3.963496	.0433361	.8857931	.1127078	11.98580
#3	4.960713	118.1611	3.958378	.0425358	.9404889	.1089148	11.99223

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.495244	.1352051	.1359983	1.183767	.7351455	3.253120	2.885963
Stddev	.109970	.0123606	.0005363	.006576	.0068772	.064138	.033752
%RSD	2.446373	9.142081	.3943221	.5554946	.9354920	1.971570	1.169533

#1	4.376373	.1232095	.1354227	1.179408	.7272252	3.179107	2.858657
#2	4.516002	.1479009	.1360883	1.191331	.7396035	3.287860	2.923699
#3	4.593356	.1345049	.1364838	1.180563	.7386077	3.292393	2.875534

Sample Name: Q3321-01DLX5 Acquired: 10/10/2025 16:13:57 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.479040	.0406944	-.202439
Stddev	.069017	.0018439	.001626
%RSD	1.259648	4.531029	.8034057

#1	5.443501	.0388017	-.201019
#2	5.558584	.0424852	-.204213
#3	5.435036	.0407961	-.202085

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5717.921	84597.61	6161.093	4197.154	6474.717
Stddev	8.559	241.63	21.895	14.176	8.242
%RSD	.1496958	.2856223	.3553727	.3377561	.1272927

#1	5725.268	84678.97	6136.760	4212.832	6483.868
#2	5719.974	84325.80	6167.316	4185.238	6467.878
#3	5708.522	84788.05	6179.203	4193.391	6472.405

Sample Name: CCV04 Acquired: 10/10/2025 16:29:38 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.205107	5.406986	5.152916	5.229030	5.322198	10.53682	10.80369
Stddev	.025998	.249083	.011984	.033124	.012141	.00782	.01861
%RSD	.4994691	4.606687	.2325726	.6334696	.2281236	.0742166	.1722262

#1	5.179145	5.145188	5.139850	5.190988	5.308592	10.52978	10.78222
#2	5.231140	5.434742	5.163395	5.244619	5.331930	10.54524	10.81517
#3	5.205037	5.641028	5.155504	5.251485	5.326071	10.53545	10.81369

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2654992	2.576776	26.19847	1.051433	2.616376	1.321957	5.413613
Stddev	.0020283	.009106	.06310	.001823	.006881	.003086	.030586
%RSD	.7639717	.3533942	.2408614	.1733567	.2629944	.2334344	.5649833

#1	.2632940	2.567238	26.13417	1.051476	2.609400	1.318422	5.445385
#2	.2672852	2.585378	26.26030	1.053233	2.623158	1.323331	5.384369
#3	.2659183	2.577714	26.20095	1.049589	2.616570	1.324117	5.411086

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.681678	26.04854	2.597671	1.334941	26.49864	2.654489	2.645871
Stddev	.013514	.12557	.007027	.001599	.23215	.008958	.002639
%RSD	.5039372	.4820439	.2705089	.1197659	.8760702	.3374746	.0997371

#1	2.668373	25.90688	2.589850	1.336786	26.75335	2.644966	2.643012
#2	2.695392	26.09264	2.603452	1.334086	26.29895	2.662749	2.646387
#3	2.681270	26.14611	2.599711	1.333952	26.44361	2.655751	2.648214

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.26359	5.292869	5.252878	5.141985	5.293501	5.289444	5.094116
Stddev	.09037	.036885	.023283	.028112	.020125	.034163	.043997
%RSD	.3440900	.6968781	.4432378	.5467063	.3801743	.6458765	.8636847

#1	26.36573	5.251016	5.226509	5.109712	5.271104	5.328473	5.046533
#2	26.19401	5.320632	5.270602	5.161138	5.310064	5.274900	5.133324
#3	26.23104	5.306960	5.261522	5.155105	5.299337	5.264959	5.102491

Sample Name: CCV04 Acquired: 10/10/2025 16:29:38 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.101627	5.177590	5.315009
Stddev	.058657	.012172	.022480
%RSD	1.149765	.2350966	.4229582

#1	5.034426	5.168725	5.326911
#2	5.142550	5.191468	5.329036
#3	5.127904	5.172576	5.289080

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6017.048	84979.83	5829.951	4439.298	6889.869
Stddev	18.030	248.13	40.464	25.751	19.839
%RSD	.2996529	.2919853	.6940667	.5800703	.2879379

#1	6034.809	84718.24	5871.492	4429.552	6908.615
#2	5998.760	85009.40	5790.658	4419.842	6869.093
#3	6017.575	85211.84	5827.703	4468.499	6891.897

Sample Name: CCB04 Acquired: 10/10/2025 16:33:41 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002167	-.004601	-.000153	.0013284	.0007283	.0135704	.0058172
Stddev	.000939	.001740	.000739	.0022762	.0006993	.0153752	.0002285
%RSD	43.35355	37.82614	481.8468	171.3488	96.01296	113.3000	3.928586

#1	-.001372	-.005923	.000573	.0039265	.0014983	.0149705	.0057566
#2	-.001926	-.005250	-.000904	-.000315	.0005541	.0281977	.0056252
#3	-.003203	-.002629	-.000129	.000374	.0001326	-.002457	.0060700

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000258	-.000013	-.008752	.0003262	-.000338	-.000001	.0017516
Stddev	.0001010	.000074	.018096	.0000918	.000202	.000171	.0074508
%RSD	390.8802	557.5135	206.7722	28.15579	59.72806	26310.14	425.3720

#1	.0000797	.000046	-.017579	.0002679	-.000139	-.000091	-.000772
#2	-.000091	-.000096	-.020740	.0002786	-.000332	-.000108	-.004110
#3	.000088	.000011	.012064	.0004321	-.000543	.000197	.010136

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000523	.0096547	-.000372	-.000050	-.280939	.0014036	-.000112
Stddev	.000416	.0332753	.000198	.000482	.013504	.0021884	.000029
%RSD	79.62896	344.6550	53.27741	958.0789	4.806618	155.9129	25.93029

#1	-.000807	-.013321	-.000528	.000413	-.284658	.0005621	-.000141
#2	-.000716	-.005528	-.000437	-.000549	-.292193	-.000239	-.000111
#3	-.000045	.047813	-.000149	-.000015	-.265965	.003888	-.000083

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.389820	-.005376	.0006507	-.019689	.0004629	.0079480	.0013555
Stddev	.008789	.000064	.0001080	.000837	.0014553	.0139128	.0004847
%RSD	2.254593	1.185595	16.60099	4.250716	314.3819	175.0468	35.76128

#1	-.380397	-.005442	.0005666	-.020636	.0001950	.0226949	.0016192
#2	-.391269	-.005371	.0006130	-.019380	.0020336	.0060939	.0007961
#3	-.397794	-.005314	.0007725	-.019050	-.000840	-.004945	.0016512

Sample Name: CCB04 Acquired: 10/10/2025 16:33:41 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.005167	-.003196	-.000144
Stddev	.001134	.001192	.000055
%RSD	21.94653	37.29481	38.20361

#1	-.004876	-.003493	-.000085
#2	-.004207	-.001884	-.000154
#3	-.006419	-.004212	-.000194

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6433.799	94043.27	6544.554	4800.838	8008.022
Stddev	4.448	678.06	81.805	29.134	14.686
%RSD	.0691291	.7210072	1.249978	.6068483	.1833921

#1	6436.824	94647.57	6473.784	4802.215	7991.872
#2	6428.692	94172.27	6525.757	4829.259	8011.617
#3	6435.882	93309.98	6634.122	4771.040	8020.576

Sample Name: Q3310-01DLX5 Acquired: 10/10/2025 16:49:26 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.0733297	-.036723	.3846662	-.035123	-.004317	18.21943	.6713252
Stddev	.0016730	.004656	.0017584	.001857	.001573	.05807	.0026761
%RSD	2.281408	12.67834	.4571309	5.286117	36.44228	.3187293	.3986340

#1	.0714753	-.037135	.3828503	-.033239	-.004683	18.27379	.6709930
#2	.0737885	-.031875	.3847873	-.035179	-.002593	18.15825	.6741519
#3	.0747255	-.041159	.3863609	-.036951	-.005675	18.22624	.6688306

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025756	-.000044	18.23080	.1548017	.0328569	.3272532	127.7755
Stddev	.0000659	.000078	.00975	.0014917	.0002691	.0003382	.4656
%RSD	2.558200	179.5466	.0534618	.9635931	.8189918	.1033496	.3643504

#1	.0026498	-.000071	18.23735	.1544220	.0325464	.3272519	127.6247
#2	.0025530	.000045	18.23545	.1564465	.0330229	.3275922	128.2977
#3	.0025240	-.000105	18.21960	.1535365	.0330013	.3269157	127.4040

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.478770	24.86395	.4113845	.0064800	9.884352	1.408537	1.195663
Stddev	.023691	.07676	.0002143	.0001528	.058525	.003014	.004071
%RSD	.6810155	.3087151	.0520960	2.357464	.5920946	.2139552	.3405132

#1	3.479198	24.85871	.4112765	.0066561	9.887030	1.410941	1.190962
#2	3.502244	24.78995	.4112457	.0063824	9.941492	1.409513	1.198090
#3	3.454868	24.94320	.4116313	.0064016	9.824535	1.405156	1.197936

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.897784	.0984883	.0051566	.0488622	.6864862	1.578054	2.771898
Stddev	.052251	.0014729	.0002127	.0003286	.0069484	.019824	.013942
%RSD	1.803126	1.495552	4.124818	.6724238	1.012166	1.256253	.5029788

#1	2.922797	.0983844	.0049767	.0492293	.6940358	1.600926	2.787918
#2	2.932826	.1000104	.0053914	.0487615	.6850634	1.565807	2.765263
#3	2.837728	.0970700	.0051018	.0485958	.6803593	1.567429	2.762513

Sample Name: Q3310-01DLX5 Acquired: 10/10/2025 16:49:26 Type: Unk
Method: 6010-200.7 NEW(v276) 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	2.635154	.0567599	.0193305
Stddev	.004274	.0007254	.0006584
%RSD	.1621772	1.278073	3.406218

#1	2.640003	.0559270	.0195313
#2	2.633521	.0570994	.0198651
#3	2.631938	.0572534	.0185950

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6501.427	85360.55	6456.365	4524.010	7478.618
Stddev	3.258	472.53	38.273	22.821	3.676
%RSD	.0501135	.5535721	.5927963	.5044516	.0491507

#1	6501.683	85702.41	6477.318	4548.291	7478.933
#2	6498.049	84821.33	6412.190	4503.002	7474.795
#3	6504.550	85557.90	6479.586	4520.736	7482.127

Sample Name: Q3310-02DLX5 Acquired: 10/10/2025 16:53:29 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.1041346	-.053491	.7987267	-.026490	-.002197	28.19753	.7886202
Stddev	.0015950	.004822	.0034770	.001826	.002442	.07025	.0031733
%RSD	1.531664	9.015547	.4353126	6.892876	111.1389	.2491393	.4023886

#1	.1027807	-.052860	.8016172	-.024402	-.004285	28.11677	.7922712
#2	.1037301	-.049015	.7948684	-.027786	-.002793	28.23126	.7870646
#3	.1058928	-.058597	.7996945	-.027283	.000488	28.24454	.7865249

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028284	.0005676	23.77868	.1741969	.0482481	.9163525	91.96378
Stddev	.0000636	.0001164	.03871	.0005856	.0001184	.0018551	.40276
%RSD	2.249404	20.50791	.1627722	.3361835	.2454476	.2024411	.4379502

#1	.0028796	.0006851	23.81724	.1745384	.0481173	.9142275	92.41417
#2	.0028485	.0005654	23.73983	.1735207	.0482789	.9176486	91.63820
#3	.0027572	.0004523	23.77898	.1745316	.0483480	.9171815	91.83897

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.293767	45.18268	.9854101	.0045535	13.05069	2.466148	2.337555
Stddev	.016736	.08468	.0006155	.0003984	.08313	.005489	.007253
%RSD	.7296286	.1874240	.0624640	8.748465	.6369547	.2225798	.3102792

#1	2.313057	45.18990	.9854292	.0048306	13.14647	2.461244	2.345839
#2	2.285135	45.09462	.9847852	.0047329	13.00824	2.465122	2.334474
#3	2.283110	45.26353	.9860158	.0040970	12.99735	2.472078	2.332350

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.434199	.0921253	.0062853	.1297188	1.096487	3.158788	4.117045
Stddev	.046556	.0002015	.0002173	.0002657	.002757	.032352	.014527
%RSD	1.049919	.2187089	3.457570	.2048211	.2514828	1.024189	.3528592

#1	4.394482	.0923515	.0063957	.1300243	1.099624	3.189888	4.131779
#2	4.422684	.0920593	.0060349	.1295420	1.094448	3.161160	4.102733
#3	4.485432	.0919651	.0064252	.1295900	1.095389	3.125315	4.116624

Sample Name: Q3310-02DLX5 Acquired: 10/10/2025 16:53:29 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.003285	.0431397	.1232822
Stddev	.017970	.0010248	.0007376
%RSD	.5983561	2.375608	.5983430

#1	3.019102	.0432086	.1238672
#2	2.983745	.0420822	.1235258
#3	3.007009	.0441283	.1224535

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6379.827	86326.00	6676.425	4462.077	7271.680
Stddev	6.632	337.56	21.324	22.958	2.314
%RSD	.1039479	.3910284	.3193871	.5145200	.0318260

#1	6386.698	85964.63	6651.820	4452.272	7269.029
#2	6373.463	86633.19	6687.920	4445.649	7272.715
#3	6379.321	86380.19	6689.535	4488.309	7273.296

Sample Name: Q3310-03DLX2 Acquired: 10/10/2025 16:57:32 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.785294	-.082714	6.373329	-.170705	.0408631	51.71312
Stddev	.038354	.004525	.137324	.003497	.0006030	.17622
%RSD	2.148323	5.470811	2.154674	2.048682	1.475612	.3407553

#1	1.762259	-.078800	6.275050	-.166950	.0402584	51.91554
#2	1.829569	-.081673	6.530237	-.171295	.0414644	51.62979
#3	1.764053	-.087669	6.314701	-.173869	.0408666	51.59403

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.105730	.0107570	.0064621	29.66020	.3091945	.0902599
Stddev	.006213	.0000585	.0014083	.09973	.0025080	.0018152
%RSD	.5618981	.5441500	21.79323	.3362425	.8111481	2.011029

#1	1.112801	.0107537	.0058552	29.76092	.3075272	.0888897
#2	1.103242	.0107001	.0080721	29.65819	.3079775	.0923186
#3	1.101146	.0108171	.0054590	29.56149	.3120788	.0895715

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.030072	544.4455	10.03764	42.74393	.7200239	.0197808
Stddev	.130883	3.1884	.02812	.07466	.0155154	.0004707
%RSD	2.170497	.5856232	.2801743	.1746694	2.154846	2.379404

#1	5.935124	542.2829	10.06901	42.78229	.7084638	.0193409
#2	6.179374	542.9465	10.01468	42.65789	.7376573	.0202772
#3	5.975719	548.1072	10.02924	42.79162	.7139507	.0197244

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.18196	1.966166	3.164924	11.89522	^ *****	.0370745
Stddev	.05411	.006347	.023461	.09364	-----	.0006975
%RSD	.3564200	.3228361	.7412968	.7872152	-----	1.881287

#1	15.18120	1.971503	3.146947	11.84605	^ -----	.0365026
#2	15.12823	1.967848	3.156360	11.83640	^ -----	.0378515
#3	15.23645	1.959147	3.191464	12.00320	^ -----	.0368692

Sample Name: Q3310-03DLX2 Acquired: 10/10/2025 16:57:32 Type: Unk
Method: 6010-200.7 NEW(v276) 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	.8532681	2.294895	3.321956	F 13.43537	8.785229	.1536205
Stddev	.0203064	.009243	.017825	.29172	.201732	.0009359
%RSD	2.379836	.4027562	.5365774	2.171272	2.296268	.6092504

#1	.8394607	2.305425	3.333013	13.24360	8.629358	.1540328
#2	.8765842	2.291142	3.301393	13.77108	9.013078	.1542796
#3	.8437594	2.288120	3.331461	13.29142	8.713251	.1525493

Elem	Sr4077
Units	ppm
Avg	-.072624
Stddev	.005376
%RSD	7.403218

#1	-.067583
#2	-.072005
#3	-.078283

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6196.761	90438.67	7056.519	4544.701	6845.471
Stddev	112.476	368.60	30.306	16.915	131.389
%RSD	1.815082	.4075663	.4294791	.3721890	1.919360

#1	6265.317	90631.05	7021.693	4533.954	6928.535
#2	6066.953	90671.27	7076.911	4564.199	6693.991
#3	6258.013	90013.68	7070.951	4535.950	6913.886

Sample Name: CCV05 Acquired: 10/10/2025 17:04:36 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.091837	5.430039	5.052778	5.135537	5.236262	10.18462	10.39438
Stddev	.018854	.105656	.011903	.017269	.019544	.01506	.02413
%RSD	.3702805	1.945761	.2355653	.3362603	.3732385	.1478869	.2321771

#1	5.087733	5.326308	5.049754	5.127935	5.229342	10.16723	10.38372
#2	5.112405	5.426290	5.065901	5.155303	5.258324	10.19290	10.37741
#3	5.075373	5.537519	5.042679	5.123374	5.221120	10.19371	10.42201

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2437829	2.528066	24.63140	1.005217	2.570482	1.296991	5.238211
Stddev	.0026430	.007088	.03319	.001790	.008245	.004614	.023018
%RSD	1.084164	.2803679	.1347512	.1780900	.3207549	.3557106	.4394294

#1	.2408536	2.525416	24.64648	1.004169	2.567887	1.295974	5.254329
#2	.2445062	2.536097	24.59335	1.007284	2.579713	1.302029	5.248456
#3	.2459890	2.522685	24.65438	1.004198	2.563848	1.292972	5.211849

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.555138	25.03506	2.545366	1.269417	26.13657	2.552939	2.518388
Stddev	.010164	.02677	.008548	.004770	.12240	.003148	.008375
%RSD	.3977710	.1069168	.3358136	.3757440	.4683046	.1232891	.3325476

#1	2.554188	25.00528	2.542275	1.264538	26.24434	2.549370	2.509712
#2	2.545483	25.04277	2.555029	1.274070	26.16188	2.555320	2.526425
#3	2.565743	25.05712	2.538794	1.269643	26.00350	2.554126	2.519026

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.68232	4.853635	5.142415	5.039439	5.068213	5.227939	4.945218
Stddev	.12101	.059455	.019459	.013575	.012352	.062196	.019515
%RSD	.4711796	1.224957	.3783971	.2693847	.2437090	1.189683	.3946147

#1	25.76890	4.786004	5.136117	5.034047	5.069900	5.292341	4.926073
#2	25.73401	4.877232	5.164243	5.054882	5.055104	5.223264	4.965082
#3	25.54405	4.897670	5.126886	5.029388	5.079635	5.168213	4.944499

Sample Name: CCV05 Acquired: 10/10/2025 17:04:36 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.039615	4.950692	5.133178
Stddev	.025315	.009895	.061000
%RSD	.5023290	.1998676	1.188349

#1	5.015161	4.947005	5.192042
#2	5.065712	4.943170	5.137246
#3	5.037973	4.961901	5.070245

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6199.667	91039.80	6382.593	4743.943	7088.602
Stddev	21.697	204.12	42.626	12.849	23.807
%RSD	.3499698	.2242095	.6678497	.2708546	.3358554

#1	6201.891	90954.80	6423.209	4731.006	7088.095
#2	6176.944	90891.92	6386.362	4756.703	7065.052
#3	6220.167	91272.68	6338.207	4744.119	7112.658

Sample Name: CCB05 Acquired: 10/10/2025 17:08:40 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002065	-.004348	.0006532	.0004769	.0007908	.0106685	-.000404
Stddev	.000305	.001404	.0006171	.0011551	.0010756	.0027820	.000610
%RSD	14.78239	32.27726	94.47805	242.2402	136.0218	26.07678	151.1150

#1	-.002097	-.005829	.0012070	-.000340	-.000449	.0128051	-.000659
#2	-.001745	-.003037	-.000012	-.000028	.001478	.0075228	-.000845
#3	-.002353	-.004179	.000764	.001799	.001343	.0116777	.000293

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000045	-.000005	-.024810	.0003959	-.000278	.0004477	.0013365
Stddev	.000104	.000052	.007650	.0001740	.000100	.0000942	.0064679
%RSD	230.0118	1105.368	30.83338	43.94331	35.83207	21.03131	483.9553

#1	-.000073	.000018	-.017807	.0005104	-.000166	.0005564	-.003618
#2	-.000133	-.000064	-.032974	.0001957	-.000358	.0003947	-.001026
#3	.000070	.000032	-.023650	.0004817	-.000309	.0003920	.008653

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000507	-.005287	-.000263	-.000383	-.151868	.0045855	.0006577
Stddev	.000732	.015017	.000162	.000239	.017304	.0004748	.0000417
%RSD	144.3746	284.0312	61.51969	62.46655	11.39398	10.35414	6.347304

#1	-.001290	.011546	-.000432	-.000137	-.171476	.0042785	.0006551
#2	-.000393	-.017308	-.000248	-.000396	-.138736	.0051324	.0007007
#3	.000161	-.010100	-.000109	-.000615	-.145393	.0043456	.0006173

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.176201	-.004735	.0004442	-.011437	-.000912	.0008389	.0013370
Stddev	.019319	.000158	.0001382	.000562	.001152	.0072349	.0007358
%RSD	10.96439	3.343926	31.11626	4.916660	126.2643	862.4323	55.03328

#1	-.195422	-.004602	.0003979	-.012072	-.002087	.0048831	.0007715
#2	-.176395	-.004910	.0005996	-.011002	.000215	.0051474	.0021689
#3	-.156785	-.004694	.0003351	-.011237	-.000865	-.007514	.0010706

Sample Name: CCB05 Acquired: 10/10/2025 17:08:40 Type: Unk
Method: 6010-200.7 NEW(v276) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.004783	-.001274	-.000070
Stddev	.001725	.002938	.000031
%RSD	36.07204	230.6545	44.05432

#1	-.005419	.001748	-.000048
#2	-.002830	-.001449	-.000106
#3	-.006099	-.004120	-.000057

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6256.015	91917.64	6364.376	4833.396	7732.103
Stddev	52.167	172.08	20.279	29.482	63.772
%RSD	.8338697	.1872137	.3186342	.6099635	.8247690

#1	6313.820	92106.89	6387.463	4867.357	7801.891
#2	6212.437	91770.57	6349.444	4818.454	7676.861
#3	6241.789	91875.45	6356.221	4814.376	7717.555

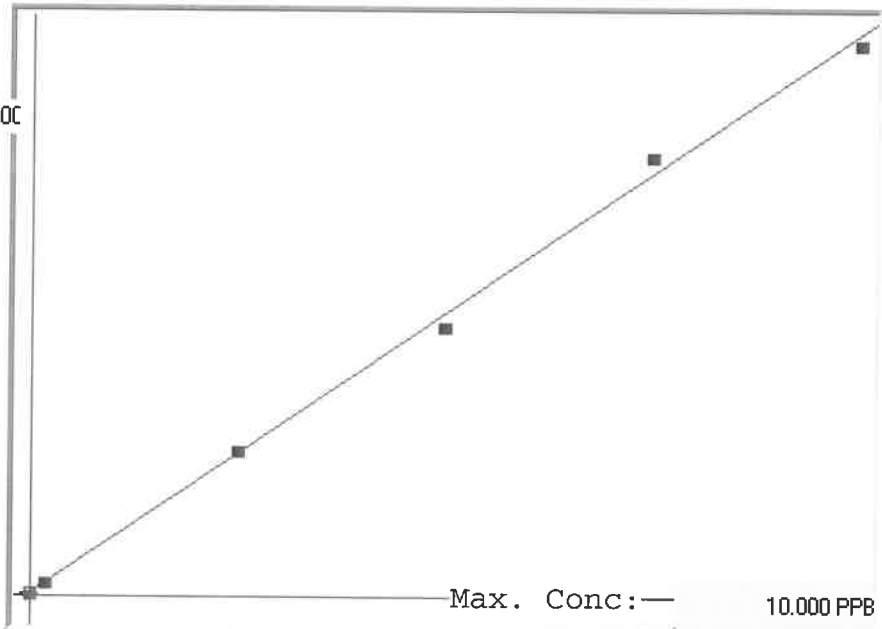
LB137478

7471B

INSTRUMENT ID: CV1

μ Abs.:

21700



Linear

A= 0.0000e+000

B= 4.5497e-004

C= -4.7261e-002

Rho= 0.9987720

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	-0.005	-0.005	93	0.000	93				
0.2	0.200	0.211	0.011	567	0.0 %	567				
2.5	2.500	2.559	0.059	5728	0.0 %	5728				
5.0	5.000	4.772	-0.228	10592	0.0 %	10592				
7.5	7.500	7.838	0.338	17332	0.0 %	17332				
10.0	10.000	9.826	-0.174	21700	0.0 %	21700				

LB137478 INSTRUMENT ID : CV1

Method: 7471B

Operator: Admin

Date of Analysis: 09 Oct 2025 13:26:31

Type	Sample ID	Extended ID	Conc.	μ Abs.	Units	Type	Std Conc	Method	Date
S	0.0 - 1	50	-	93	PPB	Std	0.0000	7471B	09 Oct 2025 13:33:48
S	0.2 - 1	50.2	-	567	PPB	Std	0.2000	7471B	09 Oct 2025 13:36:05
S	2.5 - 1	52.5	-	5728	PPB	Std	2.5000	7471B	09 Oct 2025 13:38:22
S	5.0 - 1	55	-	10592	PPB	Std	5.0000	7471B	09 Oct 2025 13:40:39
S	7.5 - 1	53.5	-	17332	PPB	Std	7.5000	7471B	09 Oct 2025 13:52:29
S	10.0 - 1	51.0	-	21700	PPB	Std	10.0000	7471B	09 Oct 2025 14:09:41
U	ICV65 - 1	ICV65	3.9455	8776	PPB	SMPL	-7471B		09 Oct 2025 14:15:23
U	ICB65 - 1	ICB65	-0.0168	67	PPB	SMPL	-7471B		09 Oct 2025 14:20:25
U	CCV10 - 1	CCV10	5.0293	11158	PPB	SMPL	-7471B		09 Oct 2025 14:22:40
U	CCB10 - 1	CCB10	-0.0632	-35	PPB	SMPL	-7471B		09 Oct 2025 14:27:51
U	CRA - 1	CRA	0.1848	510	PPB	SMPL	-7471B		09 Oct 2025 14:30:06
U	HighStd - 1	HighStd	9.6940	21411	PPB	SMPL	-7471B		09 Oct 2025 14:32:21
U	ChkStd - 1	ChkStd	7.3828	16331	PPB	SMPL	-7471B		09 Oct 2025 14:34:36
U	PB170045BL - 1	PBS	-0.0250	49	PPB	SMPL	-7471B		09 Oct 2025 14:40:22
U	PB170045BS - 1	LCSS	4.7922	10637	PPB	SMPL	-7471B		09 Oct 2025 14:42:38
U	Q3310-01 - 1	SS-01-0-1	40.6895	89538	PPB	SMPL	-7471B		09 Oct 2025 14:44:54
U	Q3310-02 - 1	SS-01-1-2	25.2602	55625	PPB	SMPL	-7471B		09 Oct 2025 14:47:27
U	Q3310-03 - 1	SS-01-2-3	26.9896	59426	PPB	SMPL	-7471B		09 Oct 2025 14:50:50
U	Q3313-01 - 1	ETGI-360	0.9523	2197	PPB	SMPL	-7471B		09 Oct 2025 14:54:03
U	Q3315-03 - 1	72-11989	1.2016	2745	PPB	SMPL	-7471B		09 Oct 2025 14:57:08
U	CCV11 - 1	CCV11	4.7617	10570	PPB	SMPL	-7471B		09 Oct 2025 14:59:26
U	CCB11 - 1	CCB11	-0.0855	-84	PPB	SMPL	-7471B		09 Oct 2025 15:04:47
U	Q3315-03DUP - 1	72-11989DUP	1.0510	2414	PPB	SMPL	-7471B		09 Oct 2025 15:07:02
U	Q3315-03MS - 1	72-11989MS	5.4369	12054	PPB	SMPL	-7471B		09 Oct 2025 15:09:17
U	Q3315-03MSD - 1	72-11989MSD	7.1799	15885	PPB	SMPL	-7471B		09 Oct 2025 15:11:35
U	Q3318-01 - 1	VNJ-207	1.5347	3477	PPB	SMPL	-7471B		09 Oct 2025 15:14:13
U	Q3319-01 - 1	OK-01-100825	0.3481	869	PPB	SMPL	-7471B		09 Oct 2025 15:16:50
U	Q3315-03LX5 - 1		0.2935	749	PPB	SMPL	-7471B		09 Oct 2025 15:21:55
U	Q3315-03A - 1		5.2808	11711	PPB	SMPL	-7471B		09 Oct 2025 15:27:13
U	Q3310-01DLX10 - 1		3.3595	7488	PPB	SMPL	-7471B		09 Oct 2025 15:29:31
U	Q3310-02DLX5 - 1		4.9610	11008	PPB	SMPL	-7471B		09 Oct 2025 15:35:22
U	Q3310-03DLX5 - 1		4.8559	10777	PPB	SMPL	-7471B		09 Oct 2025 15:37:39
U	CCV12 - 1	CCV12	4.7272	10494	PPB	SMPL	-7471B		09 Oct 2025 15:40:10
U	CCB12 - 1	CCB12	-0.0718	-54	PPB	SMPL	-7471B		09 Oct 2025 15:45:43

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

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

Start Digest Date: 10/10/2025 Time : 10:10 Temp : 96 °C

End Digest Date: 10/10/2025 Time : 12:15 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dlg Technician Signature: *SKS*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6180
LFS-2	1.00	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	5.00	M6158
1:1 HNO3	10.00	MP86978
30% H2O2	3.00	M6170
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
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#2 CELL#35 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/10/25 13:15	<i>SKS metals</i>	<i>[Signature]</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB170058BL	PBS058	N/A	2.00	100	Colorless	Colorless	Fine	No	N/A	1
PB170058BS	LCS058	N/A	2.00	100	Colorless	Colorless	Fine	No	M6180,M6181	2
Q3310-01	SS-01-0-1	N/A	2.10	100	Brown	Yellow	Medium	No	N/A	3
Q3310-02	SS-01-1-2	N/A	2.34	100	Brown	Yellow	Medium	No	N/A	4
Q3310-03	SS-01-2-3	N/A	2.41	100	Brown	Yellow	Medium	No	N/A	5
Q3321-01	P001-DS-01	N/A	2.25	100	Brown	Yellow	Medium	No	N/A	6
Q3322-01	OR-02-100925	N/A	2.24	100	Brown	Yellow	Medium	No	N/A	7
Q3322-01MS	OR-02-100925MS	N/A	2.32	100	Brown	Yellow	Medium	No	M6180,M6181	9
Q3322-01MSD	OR-02-100925MSD	N/A	2.28	100	Brown	Yellow	Medium	No	M6180,M6181	10
Q3322-01DUP	OR-02-100925DUP	N/A	2.24	100	Brown	Yellow	Medium	No	N/A	8

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB170058

Worklist ID : 192390

Department : Digestion

Date : 10-10-2025 09:37:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3310-01	SS-01-0-1	Solid	Metals ICP-TAL	Cool 4 deg C	LANG01	D31	10/07/2025	6010D
Q3310-02	SS-01-1-2	Solid	Metals ICP-TAL	Cool 4 deg C	LANG01	D31	10/07/2025	6010D
Q3310-03	SS-01-2-3	Solid	Metals ICP-TAL	Cool 4 deg C	LANG01	D31	10/07/2025	6010D
Q3321-01	P001-DS-01	Solid	Metals ICP-TAL	Cool 4 deg C	ROYF02	D41	10/08/2025	6010D
Q3322-01	OR-02-100925	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG05	D31	10/09/2025	6010D

Date/Time 10/10/2025 09:50

Raw Sample Received by: SRS ent AB

Raw Sample Relinquished by: CPCS m)

Date/Time 10/10/2025 10:50

Raw Sample Received by: CPCS m)

Raw Sample Relinquished by: SRS ent AB

SOP ID : M7471B-Mercury-19

SDG No : N/A

Start Digest Date: 10/09/2025 Time : 11:40 Temp : 95 °C

Matrix : SOIL

End Digest Date: 10/09/2025 Time : 12:10 Temp : 95 °C

Pipette ID: HG A

Digestion tube ID: M5595

Balance ID : M SC-3

Block thermometer ID: HG-DIG#3

Filter paper ID : N/A

Dig Technician Signature: *[Signature]*

pH Strip ID : N/A

Supervisor Signature: *[Signature]*

Hood ID : #1

Temp : 1. 95°C 2. N/A

Block ID: 1. HG HOT BLOCK#3 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP87501
CCV	30mL	MP87503
CRA	30mL	MP87505
Blank Spike	0.48mL	MP87493
Matrix Spike	0.48mL	MP87493

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP87508
KMnO4 (5%)	4.5mL	MP87072
Hydroxylamine HCL (12%)	2.4mL	MP87149
PTFE Boiling Stones	1.8mL	M5582
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	MP87494
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP87496
2.5 ppb	S2.5	30mL	MP87497
5.0 ppb	S5.0	30mL	MP87498
7.5 ppb	S7.5	30mL	MP87499
10.0 ppb	S10.0	30mL	M87500
ICV	ICV	30mL	MP87501
ICB	ICB	30mL	MP87502
CCV	CCV	30mL	MP87503
CCB	CCB	30mL	MP87504
CRI	CRI	30mL	MP87505
CHK STD	CHK STD	30mL	MP87506

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/09/25 @ 12:40	<i>[Signature]</i>	<i>[Signature]</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB170045BL	PBS045	0.50	35	N/A	N/A	3-1
PB170045BS	LCS045	0.50	35	N/A	MP87493	2
Q3310-01	SS-01-0-1	0.59	35	N/A	N/A	3
Q3310-02	SS-01-1-2	0.53	35	N/A	N/A	4
Q3310-03	SS-01-2-3	0.58	35	N/A	N/A	5
Q3313-01	ETGI-360	0.56	35	N/A	N/A	6
Q3315-03	72-11989	0.59	35	N/A	N/A	7
Q3315-03MS	72-11989MS	0.52	35	N/A	MP87493	9
Q3315-03MSD	72-11989MSD	0.56	35	N/A	MP87493	10
Q3315-03DUP	72-11989DUP	0.56	35	N/A	N/A	8
Q3318-01	VNJ-207	0.57	35	N/A	N/A	11
Q3319-01	OK-01-100825	0.58	35	N/A	N/A	12

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 100925_7471

WorkList ID : 192374

Department : Digestion

Date : 10-09-2025 11:08:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3310-01	SS-01-0-1	Solid	Mercury	Cool 4 deg C	LANG01	D31	10/07/2025	7471B
Q3310-02	SS-01-1-2	Solid	Mercury	Cool 4 deg C	LANG01	D31	10/07/2025	7471B
Q3310-03	SS-01-2-3	Solid	Mercury	Cool 4 deg C	LANG01	D31	10/07/2025	7471B
Q3313-01	ETGI-360	Solid	Mercury	Cool 4 deg C	PSEG03	D31	10/08/2025	7471B
Q3315-03	72-11989	Solid	Mercury	Cool 4 deg C	PSEG03	D31	10/08/2025	7471B
Q3318-01	VNJ-207	Solid	Mercury	Cool 4 deg C	PSEG03	D31	10/08/2025	7471B
Q3319-01	OK-01-100825	Solid	Mercury	Cool 4 deg C	PSEG05	D31	10/08/2025	7471B

Date/Time 10/09/25 11:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 10/09/25 11:58
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 10/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:40
Out Date: 10/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137480

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q3300-01	OIL	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q3310-01	SS-01-0-1	2	1.15	10.03	11.18	7.7	65.3	
Q3310-02	SS-01-1-2	3	1.12	10.62	11.74	8.81	72.4	
Q3310-03	SS-01-2-3	4	1.16	10.56	11.72	9.09	75.1	
Q3321-01	P001-DS-01	5	1.16	10.56	11.72	9.44	78.4	
Q3322-01	OR-02-100925	6	1.11	10.33	11.44	10.72	93.0	
Q3322-02	OR-02-100925-E2	7	1.12	11.11	12.23	11.55	93.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

137480

WorkList Name : %1-100925

WorkList ID : 192359

Department : Wet-Chemistry

Date : 10-09-2025 08:08:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3300-01	OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3310-01	SS-01-0-1	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-02	SS-01-1-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-03	SS-01-2-3	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3321-01	P001-DS-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/08/2025	Chemtech -SO
Q3322-01	OR-02-100925	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO
Q3322-02	OR-02-100925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO

Date/Time 10/09/25 15:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 10/09/25 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137478

Review By	mohan	Review On	10/10/2025 9:38:07 AM
Supervise By	jaswal	Supervise On	10/10/2025 11:01:35 AM

STD. NAME	STD REF.#
ICAL Standard	MP87494,MP87496,MP87497,MP87498,MP87499,MP87500
ICV Standard	MP87501
CCV Standard	MP87503
ICSA Standard	
CRI Standard	MP87505
LCS Standard	
Chk Standard	MP87502,MP87504,MP87506,MP87509

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/09/25 13:33		mohan	OK
2	S0.2	S0.2	CAL2	10/09/25 13:36		mohan	OK
3	S2.5	S2.5	CAL3	10/09/25 13:38		mohan	OK
4	S5	S5	CAL4	10/09/25 13:40		mohan	OK
5	S7.5	S7.5	CAL5	10/09/25 13:52		mohan	OK
6	S10	S10	CAL6	10/09/25 14:09		mohan	OK
7	ICV65	ICV65	ICV	10/09/25 14:15		mohan	OK
8	ICB65	ICB65	ICB	10/09/25 14:20		mohan	OK
9	CCV10	CCV10	CCV	10/09/25 14:22		mohan	OK
10	CCB10	CCB10	CCB	10/09/25 14:27		mohan	OK
11	CRA	CRA	CRDL	10/09/25 14:30		mohan	OK
12	HighStd	HighStd	HIGH STD	10/09/25 14:32		mohan	OK
13	ChkStd	ChkStd	SAM	10/09/25 14:34		mohan	OK
14	PB170045BL	PB170045BL	MB	10/09/25 14:40		mohan	OK
15	PB170045BS	PB170045BS	LCS	10/09/25 14:42		mohan	OK
16	Q3310-01	SS-01-0-1	SAM	10/09/25 14:44	Hg high	mohan	Dilution
17	Q3310-02	SS-01-1-2	SAM	10/09/25 14:47	Hg high	mohan	Dilution
18	Q3310-03	SS-01-2-3	SAM	10/09/25 14:50	Hg high	mohan	Dilution

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137478

Review By	mohan	Review On	10/10/2025 9:38:07 AM
Supervise By	jaswal	Supervise On	10/10/2025 11:01:35 AM
STD. NAME	STD REF.#		
ICAL Standard	MP87494,MP87496,MP87497,MP87498,MP87499,MP87500		
ICV Standard	MP87501		
CCV Standard	MP87503		
ICSA Standard			
CRI Standard	MP87505		
LCS Standard			
Chk Standard	MP87502,MP87504,MP87506,MP87509		

19	Q3313-01	ETGI-360	SAM	10/09/25 14:54		mohan	OK
20	Q3315-03	72-11989	SAM	10/09/25 14:57		mohan	OK
21	CCV11	CCV11	CCV	10/09/25 14:59		mohan	OK
22	CCB11	CCB11	CCB	10/09/25 15:04		mohan	OK
23	Q3315-03DUP	72-11989DUP	DUP	10/09/25 15:07		mohan	OK
24	Q3315-03MS	72-11989MS	MS	10/09/25 15:09		mohan	OK
25	Q3315-03MSD	72-11989MSD	MSD	10/09/25 15:11		mohan	OK
26	Q3318-01	VNJ-207	SAM	10/09/25 15:14		mohan	OK
27	Q3319-01	OK-01-100825	SAM	10/09/25 15:16		mohan	OK
28	Q3315-03L	72-11989L	SD	10/09/25 15:21		mohan	OK
29	Q3315-03A	72-11989A	PS	10/09/25 15:27		mohan	OK
30	Q3310-01DL	SS-01-0-1DL	SAM	10/09/25 15:29	10X For Hg	mohan	Confirms
31	Q3310-02DL	SS-01-1-2DL	SAM	10/09/25 15:35	5X For Hg	mohan	Confirms
32	Q3310-03DL	SS-01-2-3DL	SAM	10/09/25 15:37	5X For Hg	mohan	Confirms
33	CCV12	CCV12	CCV	10/09/25 15:40		mohan	OK
34	CCB12	CCB12	CCB	10/09/25 15:45		mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137500

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	10/10/25 11:27		Jaswal	OK
2	S1	S1	CAL2	10/10/25 11:31		Jaswal	OK
3	S2	S2	CAL3	10/10/25 11:36		Jaswal	OK
4	S3	S3	CAL4	10/10/25 11:40		Jaswal	OK
5	S4	S4	CAL5	10/10/25 11:44		Jaswal	OK
6	S5	S5	CAL6	10/10/25 11:48		Jaswal	OK
7	ICV01	ICV01	ICV	10/10/25 11:52		Jaswal	OK
8	LLICV01	LLICV01	LLICV	10/10/25 12:00		Jaswal	OK
9	ICB01	ICB01	ICB	10/10/25 12:11		Jaswal	OK
10	CRI01	CRI01	CRDL	10/10/25 12:15		Jaswal	OK
11	ICSA01	ICSA01	ICSA	10/10/25 12:29		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	10/10/25 12:33		Jaswal	OK
13	ICSADL	ICSADL	ICSA	10/10/25 12:37		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	10/10/25 12:41		Jaswal	OK
15	CCV01	CCV01	CCV	10/10/25 12:52		Jaswal	OK
16	CCB01	CCB01	CCB	10/10/25 12:57		Jaswal	OK
17	LR-2	LR-2	HIGH STD	10/10/25 13:07		Jaswal	OK
18	LR-3	LR-3	HIGH STD	10/10/25 13:11		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137500

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	LR-1	LR-1	HIGH STD	10/10/25 13:20		Jaswal	OK
20	PB170047BL	PB170047BL	MB	10/10/25 13:25		Jaswal	OK
21	PB170047BS	PB170047BS	LCS	10/10/25 13:29		Jaswal	OK
22	PB170027TB	PB170027TB	MB	10/10/25 13:33		Jaswal	OK
23	Q3272-08	R7	SAM	10/10/25 13:38		Jaswal	OK
24	Q3315-02	314	SAM	10/10/25 13:42		Jaswal	OK
25	Q3315-02DUP	314DUP	DUP	10/10/25 13:46		Jaswal	OK
26	Q3315-02L	314L	SD	10/10/25 13:51		Jaswal	OK
27	CCV02	CCV02	CCV	10/10/25 14:04		Jaswal	OK
28	CCB02	CCB02	CCB	10/10/25 14:10		Jaswal	OK
29	Q3315-02MS	314MS	MS	10/10/25 14:15		Jaswal	OK
30	Q3315-02MSD	314MSD	MSD	10/10/25 14:19		Jaswal	OK
31	Q3315-02A	314A	PS	10/10/25 14:23		Jaswal	OK
32	PB170008BL	PB170008BL	MB	10/10/25 14:27		Jaswal	OK
33	PB170008BS	PB170008BS	LCS	10/10/25 14:31		Jaswal	OK
34	PB170058BL	PB170058BL	MB	10/10/25 14:35		Jaswal	OK
35	Q3310-01	SS-01-0-1	SAM	10/10/25 14:44		Jaswal	OK
36	PB170058BS	PB170058BS	LCS	10/10/25 14:48		Jaswal	OK
37	Q3310-02	SS-01-1-2	SAM	10/10/25 14:52		Jaswal	OK
38	Q3310-03	SS-01-2-3	SAM	10/10/25 14:56	Ag oversaturated	Jaswal	Dilution

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137500

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	CCV03	CCV03	CCV	10/10/25 15:37		Jaswal	OK
40	CCB03	CCB03	CCB	10/10/25 15:41		Jaswal	OK
41	Q3321-01	P001-DS-01	SAM	10/10/25 15:45	Cu,Fe high & Ag oversaturated	Jaswal	Dilution
42	Q3322-01	OR-02-100925	SAM	10/10/25 15:50		Jaswal	OK
43	Q3322-01DUP	OR-02-100925DUP	DUP	10/10/25 15:54		Jaswal	OK
44	Q3322-01L	OR-02-100925L	SD	10/10/25 15:58		Jaswal	OK
45	Q3322-01MS	OR-02-100925MS	MS	10/10/25 16:02		Jaswal	OK
46	Q3322-01MSD	OR-02-100925MSD	MSD	10/10/25 16:06		Jaswal	OK
47	Q3322-01A	OR-02-100925A	PS	10/10/25 16:09		Jaswal	OK
48	Q3321-01DL	P001-DS-01DL	SAM	10/10/25 16:13	5x for Cu,Fe,Ag	Jaswal	Confirms
49	CCV04	CCV04	CCV	10/10/25 16:29		Jaswal	OK
50	CCB04	CCB04	CCB	10/10/25 16:33		Jaswal	OK
51	Q3310-01DL	SS-01-0-1DL	SAM	10/10/25 16:49	NOT USE	Jaswal	Not Ok
52	Q3310-02DL	SS-01-1-2DL	SAM	10/10/25 16:53	NOT USE	Jaswal	Not Ok
53	Q3310-03DL	SS-01-2-3DL	SAM	10/10/25 16:57	2x for Ag	Jaswal	Confirms
54	CCV05	CCV05	CCV	10/10/25 17:04		Jaswal	OK
55	CCB05	CCB05	CCB	10/10/25 17:08		Jaswal	OK



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: LANGAN
ADDRESS: 1 North Broadway
CITY White Plains STATE: NY ZIP: 10601
ATTENTION: Gregory DelMastro
PHONE: 914-323-7414 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Richmond Terrace - Site 163
PROJECT NO.: 190134901 LOCATION:
PROJECT MANAGER: Gregory DelMastro
e-mail: gdelmastro@langan.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: LANGAN PO#: 190134901
ADDRESS:
CITY SAME STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 31 DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☒ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. VOCS (826)
2. SOLCS (827)
3. TAL Metals (600700)
4. PcBs (8082A)
5. Pesticides (80812)

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	<u>SS-01-0-1</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>15:05</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
2.	<u>SS-01-1-2</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>15:20</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
3.	<u>SS-01-2-3</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>16:00</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>10/7/25 20:00</u>	RECEIVED BY: <u>[Signature]</u>	11/3	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.1</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY:		Comments:
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>10-8-25</u>	RECEIVED BY:		

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3310	LANG01	Order Date : 10/8/2025 1:24:21 PM	Project Mgr :
Client Name : Langan Engineering and En		Project Name : Con Edison Richmond Terr	Report Type : Results Only
Client Contact : Gregory DelMastro		Receive DateTime : 10/8/2025 12:00:00 AM	EDD Type : Excel NY
Invoice Name : Langan Engineering and En		Purchase Order : 16:30	Hard Copy Date :
Invoice Contact : Gregory DelMastro			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3310-01	SS-01-0-1	Solid	10/07/2025	15:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3310-02	SS-01-1-2	Solid	10/07/2025	15:20					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3310-03	SS-01-2-3	Solid	10/07/2025	16:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : CPDate / Time : 10/9/25 11:50Received By : HBDate / Time : 10/09/25

Storage Area : VOA Refridgerator Room