

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: Q1543	OrderDate: 3/11/2025 11:26:20 AM
Client: APTIM	Project: NSFIIH - Indian Head - 502082.01020000
Contact: Mark Fuller	Location: I31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1543-01	ISB878MW02	Water	Metals ICP-TAL	6010D	02/27/25	03/13/25	03/17/25	03/11/25
Q1543-02	ISB878MW05	Water	Metals ICP-TAL	6010D	02/27/25	03/13/25	03/17/25	03/11/25

Hit Summary Sheet SW-846

SDG No.: Q1543

Order ID: Q1543

Client: APTIM

Project ID: NSFIIH - Indian Head - 502082.01020000

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ISB878MW02								
Q1543-01	ISB878MW02	Water	Aluminum	205		28.3	50.0	ug/L
Q1543-01	ISB878MW02	Water	Barium	25.4	J	6.28	50.0	ug/L
Q1543-01	ISB878MW02	Water	Calcium	7580		33.0	1000	ug/L
Q1543-01	ISB878MW02	Water	Chromium	1.31	J	0.66	5.00	ug/L
Q1543-01	ISB878MW02	Water	Cobalt	4.55	J	0.50	15.0	ug/L
Q1543-01	ISB878MW02	Water	Iron	501		18.5	50.0	ug/L
Q1543-01	ISB878MW02	Water	Magnesium	5400		39.4	1000	ug/L
Q1543-01	ISB878MW02	Water	Manganese	36.5		1.46	10.0	ug/L
Q1543-01	ISB878MW02	Water	Nickel	2.90	J	0.85	20.0	ug/L
Q1543-01	ISB878MW02	Water	Sodium	14300		237	1000	ug/L
Q1543-01	ISB878MW02	Water	Zinc	4.99	J	1.75	20.0	ug/L
Client ID : ISB878MW05								
Q1543-02	ISB878MW05	Water	Aluminum	841		28.3	50.0	ug/L
Q1543-02	ISB878MW05	Water	Barium	165		6.28	50.0	ug/L
Q1543-02	ISB878MW05	Water	Beryllium	0.40	J	0.13	3.00	ug/L
Q1543-02	ISB878MW05	Water	Calcium	27500		33.0	1000	ug/L
Q1543-02	ISB878MW05	Water	Chromium	1.42	J	0.66	5.00	ug/L
Q1543-02	ISB878MW05	Water	Cobalt	14.5	J	0.50	15.0	ug/L
Q1543-02	ISB878MW05	Water	Iron	3290		18.5	50.0	ug/L
Q1543-02	ISB878MW05	Water	Magnesium	16400		39.4	1000	ug/L
Q1543-02	ISB878MW05	Water	Manganese	143		1.46	10.0	ug/L
Q1543-02	ISB878MW05	Water	Nickel	7.44	J	0.85	20.0	ug/L
Q1543-02	ISB878MW05	Water	Potassium	2280		685	1000	ug/L
Q1543-02	ISB878MW05	Water	Sodium	140000		237	1000	ug/L
Q1543-02	ISB878MW05	Water	Vanadium	3.55	J	3.06	20.0	ug/L
Q1543-02	ISB878MW05	Water	Zinc	18.1	J	1.75	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	APTIM	Date Collected:	02/27/25
Project:	NSFIH - Indian Head - 502082.01020000	Date Received:	03/11/25
Client Sample ID:	ISB878MW02	SDG No.:	Q1543
Lab Sample ID:	Q1543-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	205	N	1	28.3	50.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-39-3	Barium	25.4	J	1	6.28	50.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-70-2	Calcium	7580		1	33.0	1000	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-47-3	Chromium	1.31	J	1	0.66	5.00	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-48-4	Cobalt	4.55	J	1	0.50	15.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7439-89-6	Iron	501	N	1	18.5	50.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7439-95-4	Magnesium	5400		1	39.4	1000	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7439-96-5	Manganese	36.5	N	1	1.46	10.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-02-0	Nickel	2.90	J	1	0.85	20.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-09-7	Potassium	685	U	1	685	1000	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-23-5	Sodium	14300		1	237	1000	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010
7440-66-6	Zinc	4.99	J	1	1.75	20.0	ug/L	03/13/25 10:30	03/17/25 15:48	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals ICP-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:	APTIM	Date Collected:	02/27/25
Project:	NSFIH - Indian Head - 502082.01020000	Date Received:	03/11/25
Client Sample ID:	ISB878MW05	SDG No.:	Q1543
Lab Sample ID:	Q1543-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	841	N	1	28.3	50.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-39-3	Barium	165		1	6.28	50.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-41-7	Beryllium	0.40	J	1	0.13	3.00	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-70-2	Calcium	27500		1	33.0	1000	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-47-3	Chromium	1.42	J	1	0.66	5.00	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-48-4	Cobalt	14.5	J	1	0.50	15.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7439-89-6	Iron	3290	N	1	18.5	50.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7439-95-4	Magnesium	16400		1	39.4	1000	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7439-96-5	Manganese	143	N	1	1.46	10.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-02-0	Nickel	7.44	J	1	0.85	20.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-09-7	Potassium	2280		1	685	1000	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-23-5	Sodium	140000		1	237	1000	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-62-2	Vanadium	3.55	J	1	3.06	20.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010
7440-66-6	Zinc	18.1	J	1	1.75	20.0	ug/L	03/13/25 10:30	03/17/25 15:52	SW6010	SW3010

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

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



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: APTIM SDG No.: Q1543
Contract: SHAW18 Lab Code: CHEM Case No.: Q1543 SAS No.: Q1543
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	2520	2500	101	90 - 110	P	03/17/2025	14:31	LB135063
	Antimony	1020	1000	102	90 - 110	P	03/17/2025	14:31	LB135063
	Arsenic	1020	1000	102	90 - 110	P	03/17/2025	14:31	LB135063
	Barium	533	520	102	90 - 110	P	03/17/2025	14:31	LB135063
	Beryllium	540	510	106	90 - 110	P	03/17/2025	14:31	LB135063
	Cadmium	504	510	99	90 - 110	P	03/17/2025	14:31	LB135063
	Calcium	9860	10000	99	90 - 110	P	03/17/2025	14:31	LB135063
	Chromium	529	520	102	90 - 110	P	03/17/2025	14:31	LB135063
	Cobalt	510	520	98	90 - 110	P	03/17/2025	14:31	LB135063
	Copper	528	510	104	90 - 110	P	03/17/2025	14:31	LB135063
	Iron	10100	10000	101	90 - 110	P	03/17/2025	14:31	LB135063
	Lead	996	1000	100	90 - 110	P	03/17/2025	14:31	LB135063
	Magnesium	5840	6000	97	90 - 110	P	03/17/2025	14:31	LB135063
	Manganese	499	520	96	90 - 110	P	03/17/2025	14:31	LB135063
	Nickel	512	530	97	90 - 110	P	03/17/2025	14:31	LB135063
	Potassium	9780	9900	99	90 - 110	P	03/17/2025	14:31	LB135063
	Selenium	1050	1000	105	90 - 110	P	03/17/2025	14:31	LB135063
	Silver	257	250	103	90 - 110	P	03/17/2025	14:31	LB135063
	Sodium	9920	10000	99	90 - 110	P	03/17/2025	14:31	LB135063
	Thallium	1040	1000	104	90 - 110	P	03/17/2025	14:31	LB135063
	Vanadium	519	500	104	90 - 110	P	03/17/2025	14:31	LB135063
	Zinc	1040	1000	104	90 - 110	P	03/17/2025	14:31	LB135063

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: APTIM SDG No.: Q1543
Contract: SHAW18 Lab Code: CHEM Case No.: Q1543 SAS No.: Q1543
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	93.8	100	94	80 - 120	P	03/17/2025	14:38	LB135063
	Antimony	49.8	50.0	100	80 - 120	P	03/17/2025	14:38	LB135063
	Arsenic	19.4	20.0	97	80 - 120	P	03/17/2025	14:38	LB135063
	Barium	93.6	100	94	80 - 120	P	03/17/2025	14:38	LB135063
	Beryllium	5.93	6.0	99	80 - 120	P	03/17/2025	14:38	LB135063
	Cadmium	5.89	6.0	98	80 - 120	P	03/17/2025	14:38	LB135063
	Calcium	1970	2000	98	80 - 120	P	03/17/2025	14:38	LB135063
	Chromium	10.3	10.0	103	80 - 120	P	03/17/2025	14:38	LB135063
	Cobalt	29.3	30.0	98	80 - 120	P	03/17/2025	14:38	LB135063
	Copper	22.1	20.0	110	80 - 120	P	03/17/2025	14:38	LB135063
	Iron	99.8	100	100	80 - 120	P	03/17/2025	14:38	LB135063
	Lead	12.3	12.0	103	80 - 120	P	03/17/2025	14:38	LB135063
	Magnesium	2090	2000	104	80 - 120	P	03/17/2025	14:38	LB135063
	Manganese	21.9	20.0	110	80 - 120	P	03/17/2025	14:38	LB135063
	Nickel	39.3	40.0	98	80 - 120	P	03/17/2025	14:38	LB135063
	Potassium	1960	2000	98	80 - 120	P	03/17/2025	14:38	LB135063
	Selenium	18.2	20.0	91	80 - 120	P	03/17/2025	14:38	LB135063
	Silver	10.5	10.0	105	80 - 120	P	03/17/2025	14:38	LB135063
	Sodium	2000	2000	100	80 - 120	P	03/17/2025	14:38	LB135063
	Thallium	42.4	40.0	106	80 - 120	P	03/17/2025	14:38	LB135063
	Vanadium	39.2	40.0	98	80 - 120	P	03/17/2025	14:38	LB135063
	Zinc	42.5	40.0	106	80 - 120	P	03/17/2025	14:38	LB135063

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: APTIM SDG No.: Q1543
Contract: SHAW18 Lab Code: CHEM Case No.: Q1543 SAS No.: Q1543
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	10000	10000	100	90 - 110	P	03/17/2025	15:15	LB135063
	Antimony	5170	5000	103	90 - 110	P	03/17/2025	15:15	LB135063
	Arsenic	5160	5000	103	90 - 110	P	03/17/2025	15:15	LB135063
	Barium	9740	10000	97	90 - 110	P	03/17/2025	15:15	LB135063
	Beryllium	250	250	100	90 - 110	P	03/17/2025	15:15	LB135063
	Cadmium	2510	2500	100	90 - 110	P	03/17/2025	15:15	LB135063
	Calcium	24700	25000	99	90 - 110	P	03/17/2025	15:15	LB135063
	Chromium	1030	1000	103	90 - 110	P	03/17/2025	15:15	LB135063
	Cobalt	2500	2500	100	90 - 110	P	03/17/2025	15:15	LB135063
	Copper	1270	1250	102	90 - 110	P	03/17/2025	15:15	LB135063
	Iron	5180	5000	104	90 - 110	P	03/17/2025	15:15	LB135063
	Lead	5080	5000	102	90 - 110	P	03/17/2025	15:15	LB135063
	Magnesium	24700	25000	99	90 - 110	P	03/17/2025	15:15	LB135063
	Manganese	2410	2500	96	90 - 110	P	03/17/2025	15:15	LB135063
	Nickel	2490	2500	100	90 - 110	P	03/17/2025	15:15	LB135063
	Potassium	25700	25000	103	90 - 110	P	03/17/2025	15:15	LB135063
	Selenium	5080	5000	102	90 - 110	P	03/17/2025	15:15	LB135063
	Silver	1310	1250	104	90 - 110	P	03/17/2025	15:15	LB135063
	Sodium	26200	25000	105	90 - 110	P	03/17/2025	15:15	LB135063
	Thallium	5180	5000	104	90 - 110	P	03/17/2025	15:15	LB135063
	Vanadium	2500	2500	100	90 - 110	P	03/17/2025	15:15	LB135063
	Zinc	2620	2500	105	90 - 110	P	03/17/2025	15:15	LB135063
CCV02	Aluminum	9980	10000	100	90 - 110	P	03/17/2025	16:13	LB135063
	Antimony	5260	5000	105	90 - 110	P	03/17/2025	16:13	LB135063
	Arsenic	5220	5000	104	90 - 110	P	03/17/2025	16:13	LB135063
	Barium	9760	10000	98	90 - 110	P	03/17/2025	16:13	LB135063
	Beryllium	244	250	98	90 - 110	P	03/17/2025	16:13	LB135063
	Cadmium	2500	2500	100	90 - 110	P	03/17/2025	16:13	LB135063
	Calcium	24300	25000	97	90 - 110	P	03/17/2025	16:13	LB135063
	Chromium	1040	1000	104	90 - 110	P	03/17/2025	16:13	LB135063
	Cobalt	2480	2500	99	90 - 110	P	03/17/2025	16:13	LB135063
	Copper	1280	1250	102	90 - 110	P	03/17/2025	16:13	LB135063
	Iron	5090	5000	102	90 - 110	P	03/17/2025	16:13	LB135063
	Lead	5070	5000	101	90 - 110	P	03/17/2025	16:13	LB135063

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: APTIM SDG No.: Q1543
Contract: SHAW18 Lab Code: CHEM Case No.: Q1543 SAS No.: Q1543
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	24200	25000	97	90 - 110	P	03/17/2025	16:13	LB135063
	Manganese	2350	2500	94	90 - 110	P	03/17/2025	16:13	LB135063
	Nickel	2470	2500	99	90 - 110	P	03/17/2025	16:13	LB135063
	Potassium	25600	25000	102	90 - 110	P	03/17/2025	16:13	LB135063
	Selenium	5140	5000	103	90 - 110	P	03/17/2025	16:13	LB135063
	Silver	1290	1250	103	90 - 110	P	03/17/2025	16:13	LB135063
	Sodium	26400	25000	106	90 - 110	P	03/17/2025	16:13	LB135063
	Thallium	5230	5000	105	90 - 110	P	03/17/2025	16:13	LB135063
	Vanadium	2470	2500	99	90 - 110	P	03/17/2025	16:13	LB135063
	Zinc	2590	2500	104	90 - 110	P	03/17/2025	16:13	LB135063
CCV03	Aluminum	10400	10000	104	90 - 110	P	03/17/2025	17:05	LB135063
	Antimony	5370	5000	107	90 - 110	P	03/17/2025	17:05	LB135063
	Arsenic	5320	5000	106	90 - 110	P	03/17/2025	17:05	LB135063
	Barium	9780	10000	98	90 - 110	P	03/17/2025	17:05	LB135063
	Beryllium	260	250	104	90 - 110	P	03/17/2025	17:05	LB135063
	Cadmium	2570	2500	103	90 - 110	P	03/17/2025	17:05	LB135063
	Calcium	25100	25000	101	90 - 110	P	03/17/2025	17:05	LB135063
	Chromium	1090	1000	109	90 - 110	P	03/17/2025	17:05	LB135063
	Cobalt	2540	2500	102	90 - 110	P	03/17/2025	17:05	LB135063
	Copper	1310	1250	104	90 - 110	P	03/17/2025	17:05	LB135063
	Iron	5130	5000	103	90 - 110	P	03/17/2025	17:05	LB135063
	Lead	5200	5000	104	90 - 110	P	03/17/2025	17:05	LB135063
	Magnesium	25600	25000	102	90 - 110	P	03/17/2025	17:05	LB135063
	Manganese	2430	2500	97	90 - 110	P	03/17/2025	17:05	LB135063
	Nickel	2530	2500	101	90 - 110	P	03/17/2025	17:05	LB135063
	Potassium	25500	25000	102	90 - 110	P	03/17/2025	17:05	LB135063
	Selenium	5220	5000	104	90 - 110	P	03/17/2025	17:05	LB135063
	Silver	1330	1250	106	90 - 110	P	03/17/2025	17:05	LB135063
	Sodium	26400	25000	106	90 - 110	P	03/17/2025	17:05	LB135063
	Thallium	5350	5000	107	90 - 110	P	03/17/2025	17:05	LB135063
	Vanadium	2560	2500	103	90 - 110	P	03/17/2025	17:05	LB135063
	Zinc	2680	2500	107	90 - 110	P	03/17/2025	17:05	LB135063
CCV04	Aluminum	9640	10000	96	90 - 110	P	03/17/2025	17:51	LB135063
	Antimony	5070	5000	101	90 - 110	P	03/17/2025	17:51	LB135063

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: APTIM SDG No.: Q1543
Contract: SHAW18 Lab Code: CHEM Case No.: Q1543 SAS No.: Q1543
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	5020	5000	100	90 - 110	P	03/17/2025	17:51	LB135063
	Barium	9270	10000	93	90 - 110	P	03/17/2025	17:51	LB135063
	Beryllium	238	250	95	90 - 110	P	03/17/2025	17:51	LB135063
	Cadmium	2390	2500	96	90 - 110	P	03/17/2025	17:51	LB135063
	Calcium	23600	25000	94	90 - 110	P	03/17/2025	17:51	LB135063
	Chromium	1010	1000	101	90 - 110	P	03/17/2025	17:51	LB135063
	Cobalt	2370	2500	95	90 - 110	P	03/17/2025	17:51	LB135063
	Copper	1230	1250	98	90 - 110	P	03/17/2025	17:51	LB135063
	Iron	4880	5000	98	90 - 110	P	03/17/2025	17:51	LB135063
	Lead	4870	5000	97	90 - 110	P	03/17/2025	17:51	LB135063
	Magnesium	23600	25000	94	90 - 110	P	03/17/2025	17:51	LB135063
	Manganese	2270	2500	91	90 - 110	P	03/17/2025	17:51	LB135063
	Nickel	2360	2500	94	90 - 110	P	03/17/2025	17:51	LB135063
	Potassium	24300	25000	97	90 - 110	P	03/17/2025	17:51	LB135063
	Selenium	4900	5000	98	90 - 110	P	03/17/2025	17:51	LB135063
	Silver	1240	1250	100	90 - 110	P	03/17/2025	17:51	LB135063
	Sodium	25000	25000	100	90 - 110	P	03/17/2025	17:51	LB135063
	Thallium	4970	5000	99	90 - 110	P	03/17/2025	17:51	LB135063
	Vanadium	2400	2500	96	90 - 110	P	03/17/2025	17:51	LB135063
	Zinc	2510	2500	100	90 - 110	P	03/17/2025	17:51	LB135063
CCV05	Aluminum	9710	10000	97	90 - 110	P	03/17/2025	18:18	LB135063
	Antimony	5140	5000	103	90 - 110	P	03/17/2025	18:18	LB135063
	Arsenic	5050	5000	101	90 - 110	P	03/17/2025	18:18	LB135063
	Barium	9500	10000	95	90 - 110	P	03/17/2025	18:18	LB135063
	Beryllium	236	250	94	90 - 110	P	03/17/2025	18:18	LB135063
	Cadmium	2390	2500	96	90 - 110	P	03/17/2025	18:18	LB135063
	Calcium	23600	25000	94	90 - 110	P	03/17/2025	18:18	LB135063
	Chromium	1020	1000	102	90 - 110	P	03/17/2025	18:18	LB135063
	Cobalt	2380	2500	95	90 - 110	P	03/17/2025	18:18	LB135063
	Copper	1240	1250	99	90 - 110	P	03/17/2025	18:18	LB135063
	Iron	4960	5000	99	90 - 110	P	03/17/2025	18:18	LB135063
	Lead	4870	5000	97	90 - 110	P	03/17/2025	18:18	LB135063
	Magnesium	23400	25000	93	90 - 110	P	03/17/2025	18:18	LB135063
	Manganese	2260	2500	90	90 - 110	P	03/17/2025	18:18	LB135063

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: APTIM **SDG No.:** Q1543
Contract: SHAW18 **Lab Code:** CHEM **Case No.:** Q1543 **SAS No.:** Q1543
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	2360	2500	94	90 - 110	P	03/17/2025	18:18	LB135063
	Potassium	25100	25000	100	90 - 110	P	03/17/2025	18:18	LB135063
	Selenium	4960	5000	99	90 - 110	P	03/17/2025	18:18	LB135063
	Silver	1260	1250	101	90 - 110	P	03/17/2025	18:18	LB135063
	Sodium	25900	25000	103	90 - 110	P	03/17/2025	18:18	LB135063
	Thallium	4940	5000	99	90 - 110	P	03/17/2025	18:18	LB135063
	Vanadium	2400	2500	96	90 - 110	P	03/17/2025	18:18	LB135063
	Zinc	2540	2500	102	90 - 110	P	03/17/2025	18:18	LB135063



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

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CRDL STANDARD FOR AA & ICP

Client: APTIM **SDG No.:** Q1543
Contract: SHAW18 **Lab Code:** CHEM **Case No.:** Q1543 **SAS No.:** Q1543
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	98.4	100	98	40 - 160	P	03/17/2025	14:47	LB135063
	Antimony	50.1	50.0	100	40 - 160	P	03/17/2025	14:47	LB135063
	Arsenic	19.6	20.0	98	40 - 160	P	03/17/2025	14:47	LB135063
	Barium	92.8	100	93	40 - 160	P	03/17/2025	14:47	LB135063
	Beryllium	6.02	6.0	100	40 - 160	P	03/17/2025	14:47	LB135063
	Cadmium	5.88	6.0	98	40 - 160	P	03/17/2025	14:47	LB135063
	Calcium	1980	2000	99	40 - 160	P	03/17/2025	14:47	LB135063
	Chromium	10.3	10.0	103	40 - 160	P	03/17/2025	14:47	LB135063
	Cobalt	29.5	30.0	98	40 - 160	P	03/17/2025	14:47	LB135063
	Copper	22.2	20.0	111	40 - 160	P	03/17/2025	14:47	LB135063
	Iron	98.2	100	98	40 - 160	P	03/17/2025	14:47	LB135063
	Lead	12.6	12.0	105	40 - 160	P	03/17/2025	14:47	LB135063
	Magnesium	2110	2000	105	40 - 160	P	03/17/2025	14:47	LB135063
	Manganese	21.5	20.0	107	40 - 160	P	03/17/2025	14:47	LB135063
	Nickel	39.4	40.0	98	40 - 160	P	03/17/2025	14:47	LB135063
	Potassium	1960	2000	98	40 - 160	P	03/17/2025	14:47	LB135063
	Selenium	18.9	20.0	94	40 - 160	P	03/17/2025	14:47	LB135063
	Silver	10.3	10.0	103	40 - 160	P	03/17/2025	14:47	LB135063
	Sodium	2000	2000	100	40 - 160	P	03/17/2025	14:47	LB135063
	Thallium	43.2	40.0	108	40 - 160	P	03/17/2025	14:47	LB135063
	Vanadium	40.5	40.0	101	40 - 160	P	03/17/2025	14:47	LB135063
	Zinc	42.9	40.0	107	40 - 160	P	03/17/2025	14:47	LB135063



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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>APTIM</u>		SDG No.: <u>Q1543</u>							
Contract: <u>SHAW18</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1543</u>	SAS No.: <u>Q1543</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	03/17/2025	14:43	LB135063
	Antimony	50.0	+/-50.0	U	50.0	P	03/17/2025	14:43	LB135063
	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	14:43	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	14:43	LB135063
	Beryllium	6.00	+/-6.00	U	6.00	P	03/17/2025	14:43	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	14:43	LB135063
	Calcium	2000	+/-2000	U	2000	P	03/17/2025	14:43	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	14:43	LB135063
	Cobalt	30.0	+/-30.0	U	30.0	P	03/17/2025	14:43	LB135063
	Copper	20.0	+/-20.0	U	20.0	P	03/17/2025	14:43	LB135063
	Iron	100	+/-100	U	100	P	03/17/2025	14:43	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	14:43	LB135063
	Magnesium	2000	+/-2000	U	2000	P	03/17/2025	14:43	LB135063
	Manganese	20.0	+/-20.0	U	20.0	P	03/17/2025	14:43	LB135063
	Nickel	40.0	+/-40.0	U	40.0	P	03/17/2025	14:43	LB135063
	Potassium	2000	+/-2000	U	2000	P	03/17/2025	14:43	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	14:43	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	14:43	LB135063
	Sodium	2000	+/-2000	U	2000	P	03/17/2025	14:43	LB135063
	Thallium	40.0	+/-40.0	U	40.0	P	03/17/2025	14:43	LB135063
	Vanadium	40.0	+/-40.0	U	40.0	P	03/17/2025	14:43	LB135063
	Zinc	40.0	+/-40.0	U	40.0	P	03/17/2025	14:43	LB135063

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>APTIM</u>		SDG No.: <u>Q1543</u>							
Contract: <u>SHAW18</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1543</u>	SAS No.: <u>Q1543</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	03/17/2025	15:27	LB135063
	Antimony	50.0	+/-50.0	U	50.0	P	03/17/2025	15:27	LB135063
	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	15:27	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	15:27	LB135063
	Beryllium	6.00	+/-6.00	U	6.00	P	03/17/2025	15:27	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	15:27	LB135063
	Calcium	2000	+/-2000	U	2000	P	03/17/2025	15:27	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	15:27	LB135063
	Cobalt	30.0	+/-30.0	U	30.0	P	03/17/2025	15:27	LB135063
	Copper	20.0	+/-20.0	U	20.0	P	03/17/2025	15:27	LB135063
	Iron	100	+/-100	U	100	P	03/17/2025	15:27	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	15:27	LB135063
	Magnesium	2000	+/-2000	U	2000	P	03/17/2025	15:27	LB135063
	Manganese	20.0	+/-20.0	U	20.0	P	03/17/2025	15:27	LB135063
	Nickel	40.0	+/-40.0	U	40.0	P	03/17/2025	15:27	LB135063
	Potassium	2000	+/-2000	U	2000	P	03/17/2025	15:27	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	15:27	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	15:27	LB135063
	Sodium	2000	+/-2000	U	2000	P	03/17/2025	15:27	LB135063
	Thallium	40.0	+/-40.0	U	40.0	P	03/17/2025	15:27	LB135063
	Vanadium	40.0	+/-40.0	U	40.0	P	03/17/2025	15:27	LB135063
	Zinc	40.0	+/-40.0	U	40.0	P	03/17/2025	15:27	LB135063
CCB02	Aluminum	100	+/-100	U	100	P	03/17/2025	16:17	LB135063
	Antimony	50.0	+/-50.0	U	50.0	P	03/17/2025	16:17	LB135063
	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	16:17	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	16:17	LB135063
	Beryllium	6.00	+/-6.00	U	6.00	P	03/17/2025	16:17	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	16:17	LB135063
	Calcium	2000	+/-2000	U	2000	P	03/17/2025	16:17	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	16:17	LB135063
	Cobalt	30.0	+/-30.0	U	30.0	P	03/17/2025	16:17	LB135063
	Copper	20.0	+/-20.0	U	20.0	P	03/17/2025	16:17	LB135063
	Iron	100	+/-100	U	100	P	03/17/2025	16:17	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	16:17	LB135063
	Magnesium	2000	+/-2000	U	2000	P	03/17/2025	16:17	LB135063
	Manganese	20.0	+/-20.0	U	20.0	P	03/17/2025	16:17	LB135063
	Nickel	40.0	+/-40.0	U	40.0	P	03/17/2025	16:17	LB135063
	Potassium	2000	+/-2000	U	2000	P	03/17/2025	16:17	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	16:17	LB135063

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>APTIM</u>		SDG No.: <u>Q1543</u>							
Contract: <u>SHAW18</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1543</u>	SAS No.: <u>Q1543</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	16:17	LB135063
	Sodium	2000	+/-2000	U	2000	P	03/17/2025	16:17	LB135063
	Thallium	40.0	+/-40.0	U	40.0	P	03/17/2025	16:17	LB135063
	Vanadium	40.0	+/-40.0	U	40.0	P	03/17/2025	16:17	LB135063
	Zinc	40.0	+/-40.0	U	40.0	P	03/17/2025	16:17	LB135063
CCB03	Aluminum	100	+/-100	U	100	P	03/17/2025	17:09	LB135063
	Antimony	50.0	+/-50.0	U	50.0	P	03/17/2025	17:09	LB135063
	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	17:09	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	17:09	LB135063
	Beryllium	6.00	+/-6.00	U	6.00	P	03/17/2025	17:09	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	17:09	LB135063
	Calcium	2000	+/-2000	U	2000	P	03/17/2025	17:09	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	17:09	LB135063
	Cobalt	30.0	+/-30.0	U	30.0	P	03/17/2025	17:09	LB135063
	Copper	20.0	+/-20.0	U	20.0	P	03/17/2025	17:09	LB135063
	Iron	100	+/-100	U	100	P	03/17/2025	17:09	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	17:09	LB135063
	Magnesium	2000	+/-2000	U	2000	P	03/17/2025	17:09	LB135063
	Manganese	20.0	+/-20.0	U	20.0	P	03/17/2025	17:09	LB135063
	Nickel	40.0	+/-40.0	U	40.0	P	03/17/2025	17:09	LB135063
	Potassium	2000	+/-2000	U	2000	P	03/17/2025	17:09	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	17:09	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	17:09	LB135063
	Sodium	2000	+/-2000	U	2000	P	03/17/2025	17:09	LB135063
	Thallium	40.0	+/-40.0	U	40.0	P	03/17/2025	17:09	LB135063
	Vanadium	40.0	+/-40.0	U	40.0	P	03/17/2025	17:09	LB135063
	Zinc	40.0	+/-40.0	U	40.0	P	03/17/2025	17:09	LB135063
CCB04	Aluminum	100	+/-100	U	100	P	03/17/2025	17:55	LB135063
	Antimony	50.0	+/-50.0	U	50.0	P	03/17/2025	17:55	LB135063
	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	17:55	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	17:55	LB135063
	Beryllium	6.00	+/-6.00	U	6.00	P	03/17/2025	17:55	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	17:55	LB135063
	Calcium	2000	+/-2000	U	2000	P	03/17/2025	17:55	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	17:55	LB135063
	Cobalt	30.0	+/-30.0	U	30.0	P	03/17/2025	17:55	LB135063
	Copper	20.0	+/-20.0	U	20.0	P	03/17/2025	17:55	LB135063
	Iron	100	+/-100	U	100	P	03/17/2025	17:55	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	17:55	LB135063

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>APTIM</u>		SDG No.: <u>Q1543</u>							
Contract: <u>SHAW18</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1543</u>	SAS No.: <u>Q1543</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	03/17/2025	17:55	LB135063
	Manganese	20.0	+/-20.0	U	20.0	P	03/17/2025	17:55	LB135063
	Nickel	40.0	+/-40.0	U	40.0	P	03/17/2025	17:55	LB135063
	Potassium	2000	+/-2000	U	2000	P	03/17/2025	17:55	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	17:55	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	17:55	LB135063
	Sodium	2000	+/-2000	U	2000	P	03/17/2025	17:55	LB135063
	Thallium	40.0	+/-40.0	U	40.0	P	03/17/2025	17:55	LB135063
	Vanadium	40.0	+/-40.0	U	40.0	P	03/17/2025	17:55	LB135063
	Zinc	40.0	+/-40.0	U	40.0	P	03/17/2025	17:55	LB135063
CCB05	Aluminum	100	+/-100	U	100	P	03/17/2025	18:22	LB135063
	Antimony	50.0	+/-50.0	U	50.0	P	03/17/2025	18:22	LB135063
	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	18:22	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	18:22	LB135063
	Beryllium	6.00	+/-6.00	U	6.00	P	03/17/2025	18:22	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	18:22	LB135063
	Calcium	2000	+/-2000	U	2000	P	03/17/2025	18:22	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	18:22	LB135063
	Cobalt	30.0	+/-30.0	U	30.0	P	03/17/2025	18:22	LB135063
	Copper	20.0	+/-20.0	U	20.0	P	03/17/2025	18:22	LB135063
	Iron	100	+/-100	U	100	P	03/17/2025	18:22	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	18:22	LB135063
	Magnesium	2000	+/-2000	U	2000	P	03/17/2025	18:22	LB135063
	Manganese	20.0	+/-20.0	U	20.0	P	03/17/2025	18:22	LB135063
	Nickel	40.0	+/-40.0	U	40.0	P	03/17/2025	18:22	LB135063
	Potassium	2000	+/-2000	U	2000	P	03/17/2025	18:22	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	18:22	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	18:22	LB135063
	Sodium	2000	+/-2000	U	2000	P	03/17/2025	18:22	LB135063
	Thallium	40.0	+/-40.0	U	40.0	P	03/17/2025	18:22	LB135063
	Vanadium	40.0	+/-40.0	U	40.0	P	03/17/2025	18:22	LB135063
	Zinc	40.0	+/-40.0	U	40.0	P	03/17/2025	18:22	LB135063

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: APTIM

SDG No.: Q1543

Contract: SHAW18

Lab Code: CHEM

Case No.: Q1543

SAS No.: Q1543

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: APTIM

SDG No.: Q1543

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167119BL	WATER			Batch Number:	PB167119		Prep Date:	03/13/2025	
	Aluminum	50.0	<50.0	U	50.0	P	03/17/2025	15:39	LB135063
	Antimony	25.0	<25.0	U	25.0	P	03/17/2025	15:39	LB135063
	Arsenic	10.0	<10.0	U	10.0	P	03/17/2025	15:39	LB135063
	Barium	50.0	<50.0	U	50.0	P	03/17/2025	15:39	LB135063
	Beryllium	3.00	<3.00	U	3.00	P	03/17/2025	15:39	LB135063
	Cadmium	3.00	<3.00	U	3.00	P	03/17/2025	15:39	LB135063
	Calcium	1000	<1000	U	1000	P	03/17/2025	15:39	LB135063
	Chromium	5.00	<5.00	U	5.00	P	03/17/2025	15:39	LB135063
	Cobalt	15.0	<15.0	U	15.0	P	03/17/2025	15:39	LB135063
	Copper	10.0	<10.0	U	10.0	P	03/17/2025	15:39	LB135063
	Iron	50.0	<50.0	U	50.0	P	03/17/2025	15:39	LB135063
	Lead	6.00	<6.00	U	6.00	P	03/17/2025	15:39	LB135063
	Magnesium	1000	<1000	U	1000	P	03/17/2025	15:39	LB135063
	Manganese	10.0	<10.0	U	10.0	P	03/17/2025	15:39	LB135063
	Nickel	20.0	<20.0	U	20.0	P	03/17/2025	15:39	LB135063
	Potassium	1000	<1000	U	1000	P	03/17/2025	15:39	LB135063
	Selenium	10.0	<10.0	U	10.0	P	03/17/2025	15:39	LB135063
	Silver	5.00	<5.00	U	5.00	P	03/17/2025	15:39	LB135063
	Sodium	1000	<1000	U	1000	P	03/17/2025	15:39	LB135063
	Thallium	20.0	<20.0	U	20.0	P	03/17/2025	15:39	LB135063
	Vanadium	20.0	<20.0	U	20.0	P	03/17/2025	15:39	LB135063
	Zinc	20.0	<20.0	U	20.0	P	03/17/2025	15:39	LB135063

Metals
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INTERFERENCE CHECK SAMPLE

Client: APTIM **SDG No.:** Q1543
Contract: SHAW18 **Lab Code:** CHEM **Case No.:** Q1543 **SAS No.:** Q1543
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	03/17/2025	14:51	LB135063
	Antimony	-2.92			-50	50	03/17/2025	14:51	LB135063
	Arsenic	4.68			-20	20	03/17/2025	14:51	LB135063
	Barium	3.10	6.0	52	-94	106	03/17/2025	14:51	LB135063
	Beryllium	1.30			-6	6	03/17/2025	14:51	LB135063
	Cadmium	-4.02	1.0	402	-5	7	03/17/2025	14:51	LB135063
	Calcium	237000	245000	97	208000	282000	03/17/2025	14:51	LB135063
	Chromium	60.2	52.0	116	42	62	03/17/2025	14:51	LB135063
	Cobalt	1.67			-30	30	03/17/2025	14:51	LB135063
	Copper	17.5	2.0	875	-18	22	03/17/2025	14:51	LB135063
	Iron	101000	101000	100	85600	116500	03/17/2025	14:51	LB135063
	Lead	7.22			-12	12	03/17/2025	14:51	LB135063
	Magnesium	256000	255000	100	216000	294000	03/17/2025	14:51	LB135063
	Manganese	10.7	7.0	152	-13	27	03/17/2025	14:51	LB135063
	Nickel	2.20	2.0	110	-38	42	03/17/2025	14:51	LB135063
	Potassium	-4.64			0	0	03/17/2025	14:51	LB135063
	Selenium	-0.91			-20	20	03/17/2025	14:51	LB135063
	Silver	-2.37			-10	10	03/17/2025	14:51	LB135063
	Sodium	54.5			0	0	03/17/2025	14:51	LB135063
	Thallium	9.33			-40	40	03/17/2025	14:51	LB135063
	Vanadium	4.10			-40	40	03/17/2025	14:51	LB135063
	Zinc	3.55			-40	40	03/17/2025	14:51	LB135063
ICSAB01	Aluminum	252000	247000	102	209000	285000	03/17/2025	15:02	LB135063
	Antimony	644	618	104	525	711	03/17/2025	15:02	LB135063
	Arsenic	95.9	104	92	88.4	120	03/17/2025	15:02	LB135063
	Barium	491	537	91	437	637	03/17/2025	15:02	LB135063
	Beryllium	509	495	103	420	570	03/17/2025	15:02	LB135063
	Cadmium	1030	972	106	826	1120	03/17/2025	15:02	LB135063
	Calcium	235000	235000	100	199000	271000	03/17/2025	15:02	LB135063
	Chromium	588	542	108	460	624	03/17/2025	15:02	LB135063
	Cobalt	525	476	110	404	548	03/17/2025	15:02	LB135063
	Copper	534	511	104	434	588	03/17/2025	15:02	LB135063
	Iron	100000	99300	101	84400	114500	03/17/2025	15:02	LB135063
	Lead	58.7	49.0	120	37	61	03/17/2025	15:02	LB135063
	Magnesium	254000	248000	102	210000	286000	03/17/2025	15:02	LB135063
	Manganese	492	507	97	430	584	03/17/2025	15:02	LB135063
	Nickel	1030	954	108	810	1100	03/17/2025	15:02	LB135063
	Potassium	-21.1			0	0	03/17/2025	15:02	LB135063
	Selenium	57.1	46.0	124	26	66	03/17/2025	15:02	LB135063
	Silver	224	201	111	170	232	03/17/2025	15:02	LB135063
	Sodium	40.5			0	0	03/17/2025	15:02	LB135063
	Thallium	108	108	100	68	148	03/17/2025	15:02	LB135063

Metals

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INTERFERENCE CHECK SAMPLE

Client: APTIM **SDG No.:** Q1543
Contract: SHAW18 **Lab Code:** CHEM **Case No.:** Q1543 **SAS No.:** Q1543
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	488	491	99	417	565	03/17/2025	15:02	LB135063
	Zinc	827	952	87	809	1095	03/17/2025	15:02	LB135063



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: APTIM **level:** low **sdg no.:** Q1543
contract: SHAW18 **lab code:** CHEM **case no.:** Q1543 **sas no.:** Q1543
matrix: Water **sample id:** Q1543-02 **client id:** ISB878MW05MS
Percent Solids for Sample: NA **Spiked ID:** Q1543-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1200		841		1000	36	N	P
Antimony	ug/L	75 - 125	408		25.0	U	400	102		P
Arsenic	ug/L	75 - 125	397		10.0	U	400	99		P
Barium	ug/L	75 - 125	249		165		100	84		P
Beryllium	ug/L	75 - 125	91.3		0.40	J	100	91		P
Cadmium	ug/L	75 - 125	93.7		3.00	U	100	94		P
Calcium	ug/L	75 - 125	27700		27500		500	27		P
Chromium	ug/L	75 - 125	198		1.42	J	200	98		P
Cobalt	ug/L	75 - 125	106		14.5	J	100	91		P
Copper	ug/L	75 - 125	143		10.0	U	150	95		P
Iron	ug/L	75 - 125	2170		3290		1500	-74	N	P
Lead	ug/L	75 - 125	455		6.00	U	500	91		P
Magnesium	ug/L	75 - 125	17000		16400		1000	58		P
Manganese	ug/L	75 - 125	215		143		100	72	N	P
Nickel	ug/L	75 - 125	240		7.44	J	250	93		P
Potassium	ug/L	75 - 125	7570		2280		5000	106		P
Selenium	ug/L	75 - 125	938		10.0	U	1000	94		P
Silver	ug/L	75 - 125	36.0		5.00	U	37.5	96		P
Sodium	ug/L	75 - 125	141000		140000		1500	61		P
Thallium	ug/L	75 - 125	925		20.0	U	1000	92		P
Vanadium	ug/L	75 - 125	141		3.55	J	150	92		P
Zinc	ug/L	75 - 125	117		18.1	J	100	99		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: APTIM **level:** low **sdg no.:** Q1543
contract: SHAW18 **lab code:** CHEM **case no.:** Q1543 **sas no.:** Q1543
matrix: Water **sample id:** Q1543-02 **client id:** ISB878MW05MSD
Percent Solids for Sample: NA **Spiked ID:** Q1543-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1200		841		1000	36	N	P
Antimony	ug/L	75 - 125	407		25.0	U	400	102		P
Arsenic	ug/L	75 - 125	395		10.0	U	400	99		P
Barium	ug/L	75 - 125	245		165		100	80		P
Beryllium	ug/L	75 - 125	89.1		0.40	J	100	89		P
Cadmium	ug/L	75 - 125	93.2		3.00	U	100	93		P
Calcium	ug/L	75 - 125	27200		27500		500	-61		P
Chromium	ug/L	75 - 125	196		1.42	J	200	97		P
Cobalt	ug/L	75 - 125	105		14.5	J	100	91		P
Copper	ug/L	75 - 125	142		10.0	U	150	95		P
Iron	ug/L	75 - 125	2140		3290		1500	-77	N	P
Lead	ug/L	75 - 125	453		6.00	U	500	91		P
Magnesium	ug/L	75 - 125	16700		16400		1000	27		P
Manganese	ug/L	75 - 125	211		143		100	68	N	P
Nickel	ug/L	75 - 125	239		7.44	J	250	93		P
Potassium	ug/L	75 - 125	7430		2280		5000	103		P
Selenium	ug/L	75 - 125	935		10.0	U	1000	94		P
Silver	ug/L	75 - 125	35.4		5.00	U	37.5	94		P
Sodium	ug/L	75 - 125	139000		140000		1500	-83		P
Thallium	ug/L	75 - 125	902		20.0	U	1000	90		P
Vanadium	ug/L	75 - 125	139		3.55	J	150	90		P
Zinc	ug/L	75 - 125	115		18.1	J	100	97		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: APTIM **SDG No.:** Q1543
Contract: SHAW18 **Lab Code:** CHEM **Case No.:** Q1543 **SAS No.:** Q1543
Matrix: Water **Level:** LOW **Client ID:** ISB878MW05A
Sample ID: Q1543-02 **Spiked ID:** Q1543-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1820		841		10000	10		P
Iron	ug/L	75 - 125	4710		3290		1500	95		P
Manganese	ug/L	75 - 125	224		143		100	81		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: APTIM **Level:** LOW **SDG No.:** Q1543
Contract: SHAW18 **Lab Code:** CHEM **Case No.:** Q1543 **SAS No.:** Q1543
Matrix: Water **Sample ID:** Q1543-02 **Client ID:** ISB878MW05DUP
Percent Solids for Sample: NA **Duplicate ID** Q1543-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	841		874		4		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	165		166		1		P
Beryllium	ug/L	20	0.40	J	0.38	J	6		P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	27500		27300		1		P
Chromium	ug/L	20	1.42	J	1.55	J	9		P
Cobalt	ug/L	20	14.5	J	14.4	J	1		P
Copper	ug/L	20	10.0	U	10.0	U			P
Iron	ug/L	20	3290		3440		4		P
Lead	ug/L	20	6.00	U	6.00	U			P
Magnesium	ug/L	20	16400		16100		2		P
Manganese	ug/L	20	143		142		1		P
Nickel	ug/L	20	7.44	J	7.25	J	3		P
Potassium	ug/L	20	2280		2400		5		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	140000		145000		4		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	3.55	J	3.26	J	9		P
Zinc	ug/L	20	18.1	J	18.1	J	0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: APTIM **Level:** LOW **SDG No.:** Q1543
Contract: SHAW18 **Lab Code:** CHEM **Case No.:** Q1543 **SAS No.:** Q1543
Matrix: Water **Sample ID:** Q1543-02MS **Client ID:** ISB878MW05MSD
Percent Solids for Sample: NA **Duplicate ID** Q1543-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1200		1200		0		P
Antimony	ug/L	20	408		407		0		P
Arsenic	ug/L	20	397		395		1		P
Barium	ug/L	20	249		245		2		P
Beryllium	ug/L	20	91.3		89.1		2		P
Cadmium	ug/L	20	93.7		93.2		1		P
Calcium	ug/L	20	27700		27200		2		P
Chromium	ug/L	20	198		196		1		P
Cobalt	ug/L	20	106		105		1		P
Copper	ug/L	20	143		142		1		P
Iron	ug/L	20	2170		2140		1		P
Lead	ug/L	20	455		453		0		P
Magnesium	ug/L	20	17000		16700		2		P
Manganese	ug/L	20	215		211		2		P
Nickel	ug/L	20	240		239		0		P
Potassium	ug/L	20	7570		7430		2		P
Selenium	ug/L	20	938		935		0		P
Silver	ug/L	20	36.0		35.4		2		P
Sodium	ug/L	20	141000		139000		1		P
Thallium	ug/L	20	925		902		3		P
Vanadium	ug/L	20	141		139		1		P
Zinc	ug/L	20	117		115		2		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: APTIM **SDG No.:** Q1543
Contract: SHAW18 **Lab Code:** CHEM **Case No.:** Q1543 **SAS No.:** Q1543

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167119BS							
Aluminum	ug/L	1000	940		94	80 - 120	P
Antimony	ug/L	400	403		101	80 - 120	P
Arsenic	ug/L	400	392		98	80 - 120	P
Barium	ug/L	100	89.3		89	80 - 120	P
Beryllium	ug/L	100	95.6		96	80 - 120	P
Cadmium	ug/L	100	94.4		94	80 - 120	P
Calcium	ug/L	500	479	J	96	80 - 120	P
Chromium	ug/L	200	200		100	80 - 120	P
Cobalt	ug/L	100	94.8		95	80 - 120	P
Copper	ug/L	150	153		102	80 - 120	P
Iron	ug/L	1500	1440		96	80 - 120	P
Lead	ug/L	500	473		95	80 - 120	P
Magnesium	ug/L	1000	929	J	93	80 - 120	P
Manganese	ug/L	100	93.4		93	80 - 120	P
Nickel	ug/L	250	238		95	80 - 120	P
Potassium	ug/L	5000	4570		91	80 - 120	P
Selenium	ug/L	1000	974		97	80 - 120	P
Silver	ug/L	37.5	37.3		100	80 - 120	P
Sodium	ug/L	1500	1430		95	80 - 120	P
Thallium	ug/L	1000	997		100	80 - 120	P
Vanadium	ug/L	150	141		94	80 - 120	P
Zinc	ug/L	100	101		101	80 - 120	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

ISB878MW05L

Lab Name: Chemtech Consulting Group

Contract: SHAW18

Lab Code: CHEM **Lb No.:** lb135063 **Lab Sample ID :** Q1543-02L **SDG No.:** Q1543

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
		C		C			
Aluminum	841		2010		139		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	165		166	J	0		P
Beryllium	0.40	J	15.0	U	100.0		P
Cadmium	3.00	U	15.0	U			P
Calcium	27500		28700		4		P
Chromium	1.42	J	3.30	J	132		P
Cobalt	14.5	J	14.7	J	2		P
Copper	10.0	U	50.0	U			P
Iron	3290		3970		21		P
Lead	6.00	U	30.0	U			P
Magnesium	16400		17000		3		P
Manganese	143		155		9		P
Nickel	7.44	J	7.64	J	3		P
Potassium	2280		5000	U	100.0		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	140000		141000		0		P
Thallium	20.0	U	100	U			P
Vanadium	3.55	J	100	U	100.0		P
Zinc	18.1	J	16.5	J	9		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: APTIM SDG No.: Q1543
Contract: SHAW18 Lab Code: CHEM Case No.: Q1543 SAS No.: Q1543
Instrument ID: _____ Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: APTIM

SDG No.: Q1543

Contract: SHAW18

Lab Code: CHEM

Case No.: Q1543

SAS No.: Q1543

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: APTIM SDG No.: Q1543
Contract: SHAW18 Lab Code: CHEM Case No.: Q1543 SAS No.: Q1543
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 INTERELEMENT CORRECTION FACTORS

Client: APTIM SDG No.: Q1543
Contract: SHAW18 Lab Code: CHEM Case No.: Q1543 SAS No.: Q1543
Instrument ID: _____ Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: APTIM SDG No.: Q1543
 Contract: SHAW18 Lab Code: CHEM Case No.: Q1543 SAS No.: Q1543
 Instrument ID: _____ Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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



METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: APTIM **SDG No.:** Q1543
Contract: SHAW18 **Lab Code:** CHEM **Method:**
Case No.: Q1543 **SAS No.:** Q1543

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB167119							
PB167119BL	PB167119BL	MB	WATER	03/13/2025	50.0	25.0	
PB167119BS	PB167119BS	LCS	WATER	03/13/2025	50.0	25.0	
Q1543-01	ISB878MW02	SAM	WATER	03/13/2025	50.0	25.0	
Q1543-02	ISB878MW05	SAM	WATER	03/13/2025	50.0	25.0	
Q1543-02DUP	ISB878MW05DUP	DUP	WATER	03/13/2025	50.0	25.0	
Q1543-02MS	ISB878MW05MS	MS	WATER	03/13/2025	50.0	25.0	
Q1543-02MSD	ISB878MW05MSD	MSD	WATER	03/13/2025	50.0	25.0	

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ANALYSIS RUN LOG

Client: APTIM **Contract:** SHAW18

Lab code: CHEM **Case no.:** Q1543 **Sas no.:** Q1543 **Sdg no.:** Q1543

Instrument id number: **Method:** **Run number:** LB135063

Start date: 03/17/2025 **End date:** 03/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1405	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	1409	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	1414	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	1418	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	1422	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	1427	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	1431	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	1438	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	1443	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	1447	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	1451	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	1502	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	1515	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	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167119BL	PB167119BL	1	1539	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167119BS	PB167119BS	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1543-01	ISB878MW02	1	1548	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1543-02	ISB878MW05	1	1552	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1543-02DUP	ISB878MW05DUP	1	1556	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1543-02L	ISB878MW05L	5	1601	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1543-02MS	ISB878MW05MS	1	1605	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1543-02MSD	ISB878MW05MSD	1	1609	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	1613	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	1617	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1543-02A	ISB878MW05A	1	1626	Al,Fe,Mn
CCV03	CCV03	1	1705	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	1709	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1751	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	1755	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1818	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	1822	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

Sample Name: S0 Acquired: 3/17/2025 14:05:30 Type: Cal

Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000

User: Kareem 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	-.00010	-.00009	-.00028	.00028	.00051	.00023	.05454	-.00012
Stddev	.00002	.00011	.00012	.00015	.00011	.00009	.00156	.00017
%RSD	21.173	125.93	44.660	54.057	21.200	40.147	2.8632	144.94
#1	-.00012	.00001	-.00029	.00011	.00041	.00016	.05566	-.00022
#2	-.00010	-.00007	-.00040	.00038	.00062	.00020	.05276	.00008
#3	-.00008	-.00021	-.00015	.00036	.00049	.00033	.05521	-.00021
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	-.00010	.00079	.00003	.00008	-.00053	.00002	.00023	-.00016
Stddev	.00004	.00021	.00001	.00014	.00021	.00002	.00011	.00006
%RSD	41.401	26.447	40.104	176.51	38.534	71.406	46.696	33.681
#1	-.00014	.00058	.00002	.00011	-.00068	.00001	.00021	-.00019
#2	-.00006	.00079	.00004	.00020	-.00063	.00002	.00014	-.00020
#3	-.00010	.00100	.00002	-.00007	-.00030	.00004	.00035	-.00010
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	-.00027	-.00151	.00036	-.00006	.00690	-.00178	.00395	.00032
Stddev	.00031	.00005	.00008	.00012	.00102	.00021	.00013	.00010
%RSD	114.28	3.1061	21.512	182.99	14.733	11.832	3.3852	30.798
#1	.00004	-.00156	.00039	-.00020	.00577	-.00175	.00408	.00024
#2	-.00028	-.00147	.00041	.00003	.00773	-.00200	.00381	.00043
#3	-.00058	-.00151	.00027	-.00002	.00721	-.00158	.00398	.00028
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	.00024	.00219	.00020	-.00079	.00045	.00495	.00148	
Stddev	.00006	.00025	.00002	.00013	.00007	.00031	.00012	
%RSD	23.558	11.272	7.7162	16.034	15.247	6.2476	8.2646	
#1	.00030	.00194	.00021	-.00071	.00039	.00529	.00147	
#2	.00022	.00243	.00022	-.00073	.00053	.00468	.00137	
#3	.00020	.00220	.00019	-.00094	.00044	.00490	.00161	

Sample Name: S0 Acquired: 3/17/2025 14:05:30 Type: Cal
Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000
User: Kareem 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	3211.9	69756.	14148.	2198.6	4848.2
Stddev	3.7	292.	30.	8.2	1.4
%RSD	.11606	.41846	.21033	.37409	.02904
#1	3210.8	69676.	14117.	2199.3	4849.8
#2	3216.1	70080.	14177.	2206.5	4847.6
#3	3208.9	69513.	14150.	2190.1	4847.2

Sample Name: S1 Acquired: 3/17/2025 14:09:56 Type: Cal
Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000
User: Kareem 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	.00088	.00229	.00191	.00120	.00658	.00797	.26403	.02289
Stddev	.00006	.00009	.00017	.00017	.00012	.00037	.00405	.00024
%RSD	6.5208	3.9753	9.1342	13.803	1.8111	4.6157	1.5336	1.0435
#1	.00085	.00238	.00177	.00102	.00656	.00839	.26777	.02296
#2	.00084	.00229	.00186	.00134	.00671	.00772	.26460	.02309
#3	.00094	.00220	.00211	.00125	.00647	.00779	.25973	.02262
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	.01391	.11168	.00175	.02561	.01496	.00053	.01162	.02621
Stddev	.00013	.00024	.00003	.00037	.00019	.00003	.00219	.00017
%RSD	.91567	.21635	1.6873	1.4588	1.2431	6.1823	18.811	.65985
#1	.01380	.11195	.00174	.02546	.01493	.00056	.01056	.02633
#2	.01388	.11161	.00172	.02534	.01478	.00053	.01413	.02628
#3	.01405	.11149	.00178	.02604	.01515	.00049	.01017	.02601
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	.02366	.00109	.04328	.00502	.11020	.01289	.03471	.13258
Stddev	.00014	.00000	.00021	.00010	.00089	.00008	.00011	.00022
%RSD	.58602	.41821	.47511	2.0828	.80616	.61241	.31114	.16622
#1	.02363	.00109	.04304	.00514	.11092	.01297	.03479	.13268
#2	.02381	.00110	.04341	.00497	.11049	.01281	.03476	.13273
#3	.02353	.00109	.04338	.00496	.10921	.01289	.03459	.13233
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	.00471	.01668	.00226	-.00016	.00086	.02268	.14872	
Stddev	.00006	.00021	.00005	.00010	.00004	.00032	.00090	
%RSD	1.2953	1.2831	2.1532	65.184	5.2216	1.3939	.60396	
#1	.00472	.01661	.00222	-.00008	.00088	.02246	.14920	
#2	.00465	.01652	.00231	-.00012	.00081	.02255	.14928	
#3	.00477	.01692	.00225	-.00028	.00089	.02305	.14769	

Sample Name: S1 Acquired: 3/17/2025 14:09:56 Type: Cal
Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000
User: Kareem 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	3156.5	70395.	14241.	2180.6	4708.2
Stddev	7.1	51.	40.	4.3	11.1
%RSD	.22417	.07239	.28001	.19551	.23556
#1	3164.1	70361.	14195.	2179.4	4715.0
#2	3155.2	70370.	14259.	2177.0	4714.2
#3	3150.2	70454.	14268.	2185.3	4695.4

Sample Name: S2 Acquired: 3/17/2025 14:14:21 Type: Cal
Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000
User: Kareem 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	.03758	.04811	.14991	.03864	.09785	.11901	3.5096	.15306
Stddev	.00012	.00040	.00055	.00009	.00049	.00019	.0046	.00068
%RSD	.32381	.82591	.36653	.23609	.50335	.15708	.13094	.44382
#1	.03747	.04771	.15050	.03865	.09728	.11881	3.5068	.15252
#2	.03755	.04850	.14941	.03855	.09820	.11904	3.5070	.15285
#3	.03771	.04813	.14983	.03873	.09805	.11918	3.5149	.15383
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	.91799	.21968	.02806	.33914	.14096	.00432	.17641	.04799
Stddev	.00152	.00053	.00011	.00122	.00005	.00004	.00071	.00029
%RSD	.16507	.24020	.38241	.36050	.03780	1.0082	.40282	.60781
#1	.91663	.21933	.02805	.33845	.14093	.00434	.17563	.04778
#2	.91772	.21942	.02796	.33841	.14103	.00435	.17657	.04786
#3	.91962	.22028	.02817	.34055	.14094	.00427	.17703	.04832
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	.23710	.05261	.08863	.04900	1.0342	.02772	.25325	.52792
Stddev	.00053	.00013	.00041	.00019	.0041	.00016	.00164	.00157
%RSD	.22455	.25115	.46594	.39603	.39514	.58152	.64714	.29780
#1	.23675	.05272	.08899	.04879	1.0382	.02753	.25193	.52715
#2	.23683	.05246	.08872	.04904	1.0344	.02781	.25274	.52688
#3	.23771	.05264	.08818	.04918	1.0301	.02780	.25508	.52973
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	.08867	.29786	.00458	.02312	.01782	.71153	6.0645	
Stddev	.00030	.00110	.00005	.00013	.00016	.00120	.0044	
%RSD	.34100	.36933	1.0913	.57046	.87087	.16898	.07239	
#1	.08841	.29846	.00452	.02324	.01769	.71257	6.0602	
#2	.08861	.29659	.00459	.02313	.01778	.71022	6.0643	
#3	.08900	.29854	.00462	.02298	.01799	.71180	6.0689	

Sample Name: S2 Acquired: 3/17/2025 14:14:21 Type: Cal
Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000
User: Kareem 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	3138.0	67977.	14213.	2119.7	4645.3
Stddev	4.3	197.	79.	10.9	4.0
%RSD	.13762	.28948	.55414	.51573	.08524
#1	3142.9	67906.	14260.	2109.3	4649.7
#2	3136.3	68199.	14257.	2131.1	4642.0
#3	3134.8	67825.	14122.	2118.7	4644.2

Sample Name: S3 Acquired: 3/17/2025 14:18:30 Type: Cal
Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000
User: Kareem 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	.12034	.15085	.47461	.12208	.30790	.37483	10.817	.48345
Stddev	.00042	.00108	.00145	.00043	.00092	.00063	.141	.00204
%RSD	.34985	.71846	.30640	.35081	.29766	.16728	1.3005	.42195
#1	.12038	.15019	.47454	.12168	.30764	.37551	10.890	.48354
#2	.11991	.15027	.47319	.12202	.30715	.37427	10.655	.48137
#3	.12075	.15210	.47609	.12253	.30892	.37470	10.907	.48545
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	2.9246	.68055	.08794	1.0719	.43925	.01348	.54682	.15137
Stddev	.0073	.00228	.00041	.0031	.00157	.00006	.00193	.00052
%RSD	.25048	.33448	.46145	.28735	.35774	.45985	.35354	.34169
#1	2.9256	.67921	.08801	1.0708	.43860	.01355	.54760	.15178
#2	2.9168	.67926	.08751	1.0695	.43810	.01342	.54462	.15154
#3	2.9314	.68317	.08831	1.0753	.44104	.01347	.54824	.15079
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	.74975	.16688	.28057	.15454	3.2106	.09253	.79293	1.6403
Stddev	.00236	.00027	.00034	.00071	.0124	.00023	.00155	.0070
%RSD	.31507	.16099	.12109	.45700	.38573	.24562	.19548	.42666
#1	.74974	.16717	.28024	.15378	3.2190	.09242	.79320	1.6368
#2	.74739	.16665	.28056	.15466	3.2164	.09237	.79126	1.6357
#3	.75211	.16681	.28092	.15518	3.1964	.09279	.79432	1.6484
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	.28312	.92597	.01423	.07891	.05792	2.2385	18.658	
Stddev	.00113	.00283	.00005	.00028	.00015	.0035	.148	
%RSD	.39757	.30604	.31907	.34884	.26416	.15802	.79084	
#1	.28330	.92509	.01418	.07865	.05783	2.2378	18.808	
#2	.28191	.92369	.01427	.07887	.05783	2.2354	18.513	
#3	.28414	.92914	.01423	.07920	.05809	2.2424	18.653	

Sample Name: S3 Acquired: 3/17/2025 14:18:30 Type: Cal
Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000
User: Kareem 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	3049.7	66372.	13984.	2066.8	4400.7
Stddev	11.0	172.	41.	6.0	12.5
%RSD	.36024	.25956	.29535	.29176	.28417
#1	3054.0	66356.	13986.	2060.0	4402.5
#2	3057.9	66552.	14025.	2071.4	4412.2
#3	3037.2	66208.	13942.	2069.1	4387.4

Sample Name: S4 Acquired: 3/17/2025 14:22:50 Type: Cal
Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000
User: Kareem 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	.25075	.30006	.97026	.24365	.61610	.75975	21.365	.96365
Stddev	.00046	.00190	.00232	.00035	.00060	.00014	.229	.00319
%RSD	.18260	.63313	.23903	.14163	.09795	.01903	1.0740	.33114

#1	.25110	.29900	.96766	.24352	.61642	.75985	21.625	.96400
#2	.25023	.29892	.97102	.24338	.61648	.75982	21.278	.96665
#3	.25093	.30225	.97210	.24404	.61540	.75959	21.191	.96030

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	5.9081	1.3573	.17183	2.1561	.87106	.02555	1.0838	.30556
Stddev	.0071	.0034	.00051	.0030	.00102	.00004	.0040	.00053
%RSD	.12088	.25043	.29696	.13948	.11722	.15266	.36790	.17344

#1	5.8999	1.3569	.17144	2.1526	.87086	.02557	1.0841	.30506
#2	5.9114	1.3609	.17165	2.1579	.87015	.02550	1.0876	.30550
#3	5.9129	1.3542	.17241	2.1578	.87216	.02557	1.0797	.30611

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	1.4986	.32501	.54469	.31186	6.2174	.18107	1.6006	3.2588
Stddev	.0009	.00104	.00210	.00042	.0149	.00082	.0069	.0029
%RSD	.06114	.31908	.38626	.13480	.23983	.45484	.42767	.09011

#1	1.4975	.32383	.54454	.31224	6.2064	.18103	1.5974	3.2562
#2	1.4989	.32578	.54267	.31193	6.2344	.18026	1.6084	3.2582
#3	1.4993	.32541	.54687	.31141	6.2115	.18191	1.5958	3.2620

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	.56668	1.8443	.02868	.16149	.11730	4.5512	37.493
Stddev	.00074	.0037	.00020	.00074	.00046	.0009	.209
%RSD	.13074	.20149	.70557	.45797	.39432	.01997	.55790

#1	.56587	1.8442	.02856	.16075	.11677	4.5522	37.490
#2	.56733	1.8480	.02857	.16151	.11748	4.5510	37.285
#3	.56684	1.8406	.02891	.16223	.11764	4.5504	37.704

Sample Name: S4 Acquired: 3/17/2025 14:22:50 Type: Cal
Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000
User: Kareem 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	2988.4	67785.	13603.	2035.3	4250.3
Stddev	1.4	121.	45.	.7	4.1
%RSD	.04679	.17836	.33360	.03299	.09749
#1	2988.5	67892.	13619.	2034.5	4254.7
#2	2987.0	67809.	13552.	2035.8	4246.5
#3	2989.8	67653.	13639.	2035.5	4249.5

Sample Name: S5 Acquired: 3/17/2025 14:27:05 Type: Cal
Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000
User: Kareem 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	.51681	.60872	1.9607	.49798	1.2690	1.5610	43.659	1.9087
Stddev	.00085	.00218	.0006	.00202	.0046	.0022	.180	.0072
%RSD	.16455	.35786	.03142	.40519	.36286	.13767	.41186	.37645

#1	.51611	.60649	1.9603	.49646	1.2648	1.5590	43.845	1.9122
#2	.51657	.61084	1.9614	.49721	1.2683	1.5633	43.486	1.9135
#3	.51776	.60883	1.9603	.50027	1.2739	1.5606	43.646	1.9004

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	11.999	2.7563	.34454	4.3762	1.7453	.05267	2.1741	.61961
Stddev	.013	.0044	.00083	.0041	.0040	.00020	.0050	.00284
%RSD	.10894	.15837	.24094	.09357	.23127	.37313	.23236	.45887

#1	12.008	2.7596	.34410	4.3787	1.7422	.05244	2.1792	.62208
#2	12.005	2.7580	.34550	4.3785	1.7438	.05277	2.1740	.62026
#3	11.984	2.7514	.34402	4.3715	1.7498	.05279	2.1691	.61650

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	3.0264	.66391	1.1701	.63606	12.570	.39217	3.1409	6.5420
Stddev	.0027	.00096	.0037	.00146	.045	.00099	.0053	.0149
%RSD	.08917	.14410	.31669	.22903	.36164	.25298	.16965	.22731

#1	3.0268	.66285	1.1660	.63573	12.607	.39109	3.1375	6.5283
#2	3.0288	.66415	1.1711	.63766	12.585	.39237	3.1470	6.5400
#3	3.0235	.66472	1.1732	.63480	12.519	.39304	3.1382	6.5578

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	1.1490	3.7673	.06064	.33662	.24807	9.3959	75.569	
Stddev	.0014	.0037	.00053	.00103	.00047	.0138	.301	
%RSD	.12626	.09896	.87427	.30507	.18764	.14681	.39812	

#1	1.1497	3.7641	.06018	.33779	.24785	9.3973	75.528	
#2	1.1500	3.7714	.06052	.33616	.24860	9.4090	75.291	
#3	1.1474	3.7664	.06122	.33590	.24775	9.3815	75.889	

Sample Name: S5 Acquired: 3/17/2025 14:27:05 Type: Cal
Method: NON EPA-6010-200.7(v2812) Mode: IR Corr. Factor: 1.000000
User: Kareem 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	2844.7	64310.	13350.	1919.5	3977.2
Stddev	.5	108.	24.	5.8	8.6
%RSD	.01862	.16763	.17786	.30427	.21731
#1	2845.3	64434.	13343.	1914.6	3969.5
#2	2844.3	64264.	13330.	1918.0	3975.5
#3	2844.5	64233.	13376.	1926.0	3986.5

Sample Name: ICV01 Acquired: 3/17/2025 14:31:24 Type: Unk
Method: NON EPA-6010-200.7(v2812) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.019236	1.041601	.9961180	1.048520	1.021386	2.516349	.5328627
Stddev	.003956	.008304	.0028703	.003846	.003600	.010402	.0015130
%RSD	.3881323	.7972132	.2881462	.3667911	.3524419	.4133657	.2839413

#1	1.015097	1.032865	.9942167	1.044172	1.018231	2.525857	.5345685
#2	1.019633	1.049392	.9994196	1.049911	1.020622	2.517950	.5316829
#3	1.022979	1.042547	.9947175	1.051477	1.025307	2.505239	.5323368

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5401404	.5035985	9.860088	.5292580	.5095053	.5278254	10.07578
Stddev	.0025433	.0004307	.043150	.0019773	.0008818	.0016465	.05640
%RSD	.4708528	.0855334	.4376242	.3735906	.1730782	.3119465	.5597677

#1	.5389973	.5037118	9.904838	.5315272	.5100179	.5274988	10.14053
#2	.5430546	.5039613	9.856685	.5283417	.5084871	.5263667	10.04939
#3	.5383691	.5031225	9.818739	.5279052	.5100110	.5296108	10.03740

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4987306	5.836657	.5123473	.2568544	9.916461	.5193390	1.036309
Stddev	.0019781	.037690	.0005885	.0003597	.074762	.0026142	.002257
%RSD	.3966286	.6457527	.1148719	.1400503	.7539169	.5033610	.2178252

#1	.4979149	5.875079	.5129774	.2571994	9.993059	.5201689	1.033708
#2	.5009861	5.835150	.5118118	.2564815	9.843682	.5214374	1.037472
#3	.4972908	5.799743	.5122525	.2568823	9.912642	.5164106	1.037749

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.777784	2.480019	2.386920	2.435351	2.458015	2.297730	2.369689
Stddev	.069104	.018392	.006901	.000040	.003346	.007904	.005856
%RSD	.7067460	.7416093	.2891023	.0016245	.1361369	.3439905	.2471355

#1	9.846661	2.468356	2.380465	2.435339	2.458999	2.305425	2.373081
#2	9.708456	2.501220	2.386101	2.435395	2.460760	2.298132	2.373059
#3	9.778235	2.470479	2.394193	2.435319	2.454288	2.289633	2.362927

Sample Name: ICV01 Acquired: 3/17/2025 14:31:24 Type: Unk
Method: NON EPA-6010-200.7(v2812) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.489771	2.534620	2.545534
Stddev	.004195	.007454	.012240
%RSD	.1685022	.2940879	.4808554

#1	2.489202	2.543202	2.542611
#2	2.494222	2.530892	2.558971
#3	2.485889	2.529765	2.535019

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3017.895	67319.80	14388.50	2012.775	4443.124
Stddev	6.063	243.82	82.54	5.279	3.660
%RSD	.2009109	.3621839	.5736375	.2622597	.0823831

#1	3020.741	67054.82	14398.87	2018.156	4439.699
#2	3022.011	67369.88	14301.26	2007.604	4446.982
#3	3010.932	67534.69	14465.35	2012.566	4442.691

Sample Name: LLICV01 Acquired: 3/17/2025 14:38:51 Type: Unk
Method: NON EPA-6010-200.7(v2812) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	.0193602	.0423945	.0123125	.0181550	.0498100	.0938276	.0935610
Stddev	.0017811	.0017424	.0007991	.0016970	.0002815	.0022267	.0005521
%RSD	9.199618	4.110071	6.490508	9.347473	.5651692	2.373179	.5901007

#1	.0173147	.0417194	.0130535	.0198971	.0498563	.0918663	.0929701
#2	.0205681	.0410906	.0124182	.0165069	.0495082	.0962482	.0940637
#3	.0201977	.0443734	.0114658	.0180609	.0500655	.0933685	.0936492

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059336	.0058923	1.968595	.0103390	.0292555	.0220529	.0997752
Stddev	.0000820	.0000401	.025213	.0001669	.0000785	.0003349	.0041018
%RSD	1.381213	.6801739	1.280738	1.614243	.2682463	1.518654	4.111075

#1	.0058703	.0058476	1.940056	.0103936	.0291806	.0216734	.1003742
#2	.0060262	.0059249	1.977885	.0104717	.0293371	.0223071	.1035447
#3	.0059044	.0059045	1.987845	.0101516	.0292488	.0221782	.0954069

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0219192	2.088004	.0392849	.0105155	1.996998	.0392366	.0424947
Stddev	.0005491	.021770	.0003612	.0002031	.003687	.0011261	.0006282
%RSD	2.505228	1.042600	.9193576	1.931238	.1846395	2.869922	1.478285

#1	.0215623	2.064387	.0390585	.0107498	1.998999	.0379476	.0432155
#2	.0216439	2.107268	.0390949	.0104067	1.992743	.0397330	.0420639
#3	.0225516	2.092357	.0397014	.0103899	1.999253	.0400292	.0422047

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.963727	.0998598	.2058659	.0389840	.0384795	.3653105	.0174860
Stddev	.021861	.0003709	.0006611	.0006386	.0007450	.0079023	.0017730
%RSD	1.113247	.3714588	.3211341	1.638106	1.936087	2.163185	10.13972

#1	1.987231	.0996640	.2061568	.0384958	.0377120	.3644801	.0183639
#2	1.944002	.0996277	.2063317	.0387494	.0391997	.3578561	.0186489
#3	1.959948	.1002876	.2051092	.0397067	.0385268	.3735952	.0154453

Sample Name: LLICV01 Acquired: 3/17/2025 14:38:51 Type: Unk
Method: NON EPA-6010-200.7(v2812) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0167485	.0185704	.0190471
Stddev	.0037377	.0000655	.0001351
%RSD	22.31677	.3526455	.7093173

#1	.0201305	.0185613	.0189208
#2	.0127354	.0185099	.0190309
#3	.0173797	.0186399	.0191896

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3059.429	67001.95	14387.87	2024.069	4621.388
Stddev	6.972	62.50	134.84	12.053	11.382
%RSD	.2278772	.0932747	.9372016	.5954734	.2462889

#1	3064.073	66933.16	14543.36	2011.678	4633.291
#2	3051.413	67017.46	14317.18	2035.752	4610.611
#3	3062.802	67055.23	14303.07	2024.777	4620.262

Sample Name: ICB01 Acquired: 3/17/2025 14:43:08 Type: Unk
Method: NON EPA-6010-200.7(v2812) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	.0004608	-.000242	.0001401	.0000986	-.001414	.0002400	-.001311
Stddev	.0012292	.001052	.0008546	.0002170	.000738	.0028488	.000824
%RSD	266.7224	434.1572	610.1206	220.1559	52.22835	1186.820	62.83746

#1	.0011200	.000015	.0010757	-.000150	-.000571	-.002066	-.000632
#2	-.000957	.000657	-.000056	.000250	-.001949	.003425	-.001074
#3	.001220	-.001399	-.000599	.000196	-.001721	-.000638	-.002227

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000587	-.000038	-.003243	.0004413	.0000060	-.000080	-.002975
Stddev	.0000262	.000047	.000808	.0000763	.0002697	.000051	.003133
%RSD	44.55500	124.2533	24.92143	17.29690	4508.596	63.85093	105.3193

#1	.0000883	-.000011	-.002408	.0003741	.0000979	-.000074	-.005254
#2	.0000388	-.000010	-.003300	.0004256	-.000298	-.000033	-.004269
#3	.0000490	-.000092	-.004021	.0005243	.000218	-.000135	.000598

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027318	.0060317	.0001672	.0002745	.0047133	.0011104	-.000777
Stddev	.0003643	.0098228	.0001164	.0001521	.0083942	.0003047	.000199
%RSD	13.33422	162.8523	69.63567	55.40105	178.0973	27.43941	25.56231

#1	.0025728	.0168087	.0002138	.0002196	.0130308	.0007750	-.000777
#2	.0031485	-.002419	.0000347	.0004464	.0048645	.0011864	-.000578
#3	.0024741	.003706	.0002531	.0001575	-.003756	.0013700	-.000975

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197993	-.006318	-.000383	.0003634	-.000547	-.004368	-.001932
Stddev	.0262336	.000453	.000122	.0004272	.000348	.004579	.002257
%RSD	132.4974	7.173746	31.77913	117.5579	63.70821	104.8255	116.8318

#1	-.009882	-.005795	-.000517	.0001478	-.000346	-.004106	-.000461
#2	.039879	-.006550	-.000355	.0000869	-.000345	.000074	-.004530
#3	.029401	-.006608	-.000278	.0008554	-.000949	-.009073	-.000804

Sample Name: ICB01 Acquired: 3/17/2025 14:43:08 Type: Unk
 Method: NON EPA-6010-200.7(v2812) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: ICB01 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.007183	.0003177	-.000169
Stddev	.004037	.0005044	.000055
%RSD	56.19609	158.7799	32.72445

#1	-.004526	.0003234	-.000124
#2	-.005196	-.000190	-.000231
#3	-.011829	.000819	-.000152

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3072.227	68683.66	13886.91	2043.921	4703.190
Stddev	5.448	141.42	106.85	9.423	8.522
%RSD	.1773440	.2058936	.7694270	.4610385	.1811856

#1	3072.485	68597.41	13958.99	2037.567	4700.943
#2	3077.542	68846.86	13937.59	2054.748	4712.610
#3	3066.654	68606.70	13764.15	2039.448	4696.017

Sample Name: CRI01 Acquired: 3/17/2025 14:47:28 Type: Unk
Method: NON EPA-6010-200.7(v2812) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195854	.0432483	.0125851	.0188631	.0500873	.0984496
Stddev	.0033426	.0015388	.0005747	.0015352	.0004015	.0032095
%RSD	17.06685	3.558158	4.566876	8.138544	.8015242	3.260072

#1	.0179879	.0416778	.0119627	.0197090	.0505406	.1019827
#2	.0173413	.0447535	.0130958	.0197892	.0499445	.0976521
#3	.0234271	.0433136	.0126967	.0170910	.0497767	.0957140

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0928130	.0060233	.0058750	1.982229	.0102754	.0294599
Stddev	.0008942	.0000136	.0000236	.003334	.0003068	.0002633
%RSD	.9633851	.2253202	.4013701	.1681770	2.985593	.8936824

#1	.0937159	.0060382	.0058544	1.985477	.0104649	.0293156
#2	.0919279	.0060117	.0059007	1.982395	.0104399	.0293003
#3	.0927951	.0060199	.0058697	1.978816	.0099215	.0297638

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0221699	.0982014	.0214728	2.105780	.0394178	.0102767
Stddev	.0004193	.0043814	.0003930	.026684	.0003086	.0002906
%RSD	1.891531	4.461600	1.830416	1.267181	.7828818	2.827693

#1	.0225797	.0955494	.0214247	2.136272	.0397546	.0099502
#2	.0217416	.0957961	.0211060	2.094371	.0391486	.0105072
#3	.0221884	.1032585	.0218876	2.086698	.0393503	.0103725

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.003947	.0404824	.0428610	1.962960	.0934123	.2093619
Stddev	.015772	.0007962	.0005765	.014791	.0006505	.0005451
%RSD	.7870378	1.966755	1.345132	.7535005	.6963456	.2603683

#1	2.018239	.0412795	.0426963	1.975228	.0934570	.2098915
#2	2.006577	.0396871	.0423846	1.946535	.0927407	.2088025
#3	1.987026	.0404807	.0435019	1.967115	.0940393	.2093919

Sample Name: CRI01 Acquired: 3/17/2025 14:47:28 Type: Unk
Method: NON EPA-6010-200.7(v2812) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	.0392835	.0382454	.3732099	.0162917	F .0129901	.0183196
Stddev	.0002884	.0007207	.0086261	.0021387	.0037073	.0005820
%RSD	.7341243	1.884424	2.311326	13.12758	28.53993	3.177187
#1	.0391975	.0390233	.3695182	.0154706	.0113023	.0186287
#2	.0390479	.0376004	.3830675	.0146852	.0104269	.0176482
#3	.0396051	.0381126	.3670441	.0187192	.0172410	.0186819

Elem	Sr4077
Units	ppm
Avg	.0188707
Stddev	.0000520
%RSD	.2754591
#1	.0189291
#2	.0188295
#3	.0188535

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3023.089	65618.90	14102.75	1971.622	4608.689
Stddev	10.984	314.41	9.04	3.179	12.767
%RSD	.3633535	.4791382	.0641193	.1612547	.2770118
#1	3018.485	65467.16	14098.86	1971.393	4609.675
#2	3035.626	65409.15	14096.30	1974.910	4620.934
#3	3015.156	65980.40	14113.08	1968.564	4595.458

Sample Name: ICSA01 Acquired: 3/17/2025 14:51:45 Type: Unk
Method: NON EPA-6010-200.7(v2812) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046773	.0093307	.0072153	-.000908	-.002923	252.0006
Stddev	.0018602	.0013460	.0005636	.004769	.004435	.9912
%RSD	39.77155	14.42600	7.810442	525.2539	151.7217	.3933397

#1	.0063744	.0098782	.0078309	.000479	-.007506	250.9191
#2	.0026884	.0103167	.0070902	.003014	.001348	252.2169
#3	.0049692	.0077972	.0067248	-.006217	-.002611	252.8658

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031008	.0013049	-.004015	236.6739	.0602497	.0016748
Stddev	.0004845	.0000173	.000047	1.3682	.0008791	.0001665
%RSD	15.62558	1.323796	1.162263	.5781108	1.459174	9.939178

#1	.0033027	.0013049	-.004068	235.7662	.0598667	.0018251
#2	.0034518	.0012876	-.004000	236.0078	.0612553	.0014959
#3	.0025480	.0013222	-.003978	238.2476	.0596269	.0017035

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0174617	101.1857	.0106704	255.8123	.0022047	-.002374
Stddev	.0001412	.3894	.0004473	1.2754	.0003294	.000442
%RSD	.8087300	.3848331	4.191881	.4985662	14.93880	18.61133

#1	.0174250	101.1426	.0101593	254.8271	.0019184	-.002086
#2	.0173426	101.5948	.0108616	255.3570	.0025647	-.002153
#3	.0176177	100.8196	.0109903	257.2529	.0021311	-.002882

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0544933	.0041047	.0035465	-.004639	F -.242807	-.000175
Stddev	.0036921	.0020401	.0003850	.005395	.002392	.000471
%RSD	6.775244	49.70204	10.85580	116.2916	.9849814	268.5073

#1	.0557610	.0060645	.0035411	.001028	-.240164	.000348
#2	.0503344	.0019928	.0031643	-.005233	-.243437	-.000308
#3	.0573844	.0042569	.0039343	-.009712	-.244821	-.000565

Sample Name: ICSA01 Acquired: 3/17/2025 14:51:45 Type: Unk
Method: NON EPA-6010-200.7(v2812) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	-0.005420	-0.001279	.0191619	-0.000344	-0.018380	.0034174
Stddev	.000987	.000898	.0100381	.003189	.001419	.0013367
%RSD	18.21216	70.18365	52.38580	926.3416	7.719331	39.11453

#1	-0.004291	-0.002199	.0186746	.001939	-0.018740	.0047351
#2	-0.006119	-0.000405	.0294348	.001017	-0.016816	.0034546
#3	-0.005850	-0.001234	.0093763	-0.003989	-0.019584	.0020625

Elem	Sr4077
Units	ppm
Avg	.0067658
Stddev	.0007624
%RSD	11.26889

#1	.0061092
#2	.0065862
#3	.0076020

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2679.292	59468.99	13609.46	1758.543	3718.338
Stddev	6.348	275.46	60.86	3.795	4.787
%RSD	.2369125	.4631990	.4471841	.2158161	.1287504

#1	2684.671	59390.52	13637.67	1756.622	3719.788
#2	2680.913	59241.28	13651.09	1756.093	3722.234
#3	2672.291	59775.17	13539.61	1762.915	3712.994

Sample Name: ICSAB01 Acquired: 3/17/2025 15:02:33 Type: Unk
Method: NON EPA-6010-200.7(v2813) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSADLX20 Custom ID2:
Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0958745	.1076010	.0587479	.0570729	.6436191	251.8046
Stddev	.0056717	.0015011	.0012885	.0082495	.0073025	2.0093
%RSD	5.915765	1.395077	2.193321	14.45426	1.134605	.7979645

#1	.0953411	.1088726	.0572607	.0503227	.6361117	251.7212
#2	.0904884	.1079854	.0594552	.0662686	.6506978	249.8382
#3	.1017941	.1059451	.0595279	.0546274	.6440479	253.8543

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4906402	.5090419	1.030986	235.0335	.5883500	.5245709
Stddev	.0024275	.0021328	.009063	.9033	.0014116	.0037691
%RSD	.4947664	.4189919	.8790992	.3843295	.2399204	.7185136

#1	.4917291	.5098409	1.023148	236.0475	.5875219	.5208391
#2	.4923326	.5066249	1.028898	234.7380	.5899798	.5244973
#3	.4878588	.5106598	1.040911	234.3149	.5875482	.5283762

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5343724	100.2752	.4920205	254.2775	1.033028	.2236018
Stddev	.0034823	.7629	.0022909	.7519	.008745	.0006844
%RSD	.6516560	.7607760	.4656140	.2956842	.8465259	.3060593

#1	.5304033	100.1222	.4943185	255.1163	1.024550	.2234752
#2	.5357994	101.1030	.4920061	253.6641	1.032517	.2243407
#3	.5369145	99.6004	.4897368	254.0523	1.042017	.2229897

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0404971	.4883362	.8266638	-.021146	F .7902197	1.130620
Stddev	.0036239	.0016465	.0041678	.009979	.0048253	.008804
%RSD	8.948652	.3371727	.5041749	47.19346	.6106228	.7787251

#1	.0364090	.4870389	.8244875	-.011439	.7883846	1.120743
#2	.0433149	.4901885	.8314693	-.020621	.7865812	1.133471
#3	.0417674	.4877811	.8240346	-.031377	.7956933	1.137646

Sample Name: ICSAB01 Acquired: 3/17/2025 15:02:33 Type: Unk
Method: NON EPA-6010-200.7(v2813) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSADLX20 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.116529	1.047423	1.002623	F .0030435	F -.023301	F .0034404
Stddev	.011242	.003125	.014696	.0027213	.002485	.0007134
%RSD	1.006838	.2983931	1.465737	89.41273	10.66272	20.73627
#1	1.106539	1.048815	.992855	.0001095	-.025009	.0040818
#2	1.114346	1.049610	1.019524	.0054847	-.020451	.0035674
#3	1.128702	1.043843	.995491	.0035363	-.024443	.0026720

Elem	Sr4077
Units	ppm
Avg	F .0074663
Stddev	.0003160
%RSD	4.232123
#1	.0077263
#2	.0071147
#3	.0075580

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2644.834	59507.41	13495.46	1780.612	3671.318
Stddev	18.697	139.56	78.75	10.984	23.476
%RSD	.7069334	.2345261	.5835570	.6168518	.6394516
#1	2666.228	59522.58	13423.77	1777.450	3692.595
#2	2636.645	59360.89	13579.75	1771.556	3675.228
#3	2631.628	59638.77	13482.85	1792.830	3646.133

Sample Name: ICSADLX20 Acquired: 3/17/2025 15:06:56 Type: Unk
Method: NON EPA-6010-200.7(v2814) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSABDLX20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000123	-.000142	.0001237	-.002381	-.000541	12.42514	-.001355
Stddev	.000678	.001663	.0005144	.004731	.000770	.07940	.000772
%RSD	553.3331	1172.750	415.9083	198.7026	142.3986	.6390095	56.98829

#1	.000597	-.001282	-.000322	.001910	.000330	12.38223	-.001746
#2	-.000750	.001767	.000687	-.007454	-.000819	12.51676	-.000465
#3	-.000215	-.000910	.000006	-.001598	-.001133	12.37643	-.001853

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001567	-.000271	12.15389	.0028032	.0000442	.0008317	5.040576
Stddev	.0000154	.000032	.06378	.0003013	.0003703	.0002729	.057891
%RSD	9.861383	11.95952	.5247981	10.74760	838.7092	32.81516	1.148502

#1	.0001429	-.000308	12.11518	.0024979	.0002835	.0005212	4.999316
#2	.0001734	-.000256	12.22751	.0031003	-.000382	.0009402	5.015658
#3	.0001538	-.000248	12.11898	.0028115	.000231	.0010337	5.106754

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000437	12.65924	.0002960	-.000268	-.009287	.0004619	-.000461
Stddev	.0002301	.11566	.0003686	.000229	.007186	.0009351	.000163
%RSD	526.1584	.9136114	124.5421	85.51287	77.37815	202.4425	35.37678

#1	.0002776	12.62438	.0007144	-.000462	-.006613	-.000617	-.000290
#2	.0000361	12.78832	.0000192	-.000325	-.017427	.000966	-.000479
#3	-.000182	12.56503	.0001543	-.000016	-.003821	.001037	-.000614

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.028533	-.019802	-.000397	-.002153	.0000386	-.001026	-.005242
Stddev	.025330	.000575	.000210	.001223	.0007884	.005528	.002145
%RSD	88.77254	2.903527	52.81716	56.80696	2042.434	538.6422	40.92088

#1	-.015159	-.019199	-.000302	-.003026	.0009371	.001800	-.007064
#2	-.012694	-.019864	-.000253	-.000755	-.000537	-.007396	-.002878
#3	-.057747	-.020344	-.000638	-.002678	-.000284	.002517	-.005784

Sample Name: ICSADLX20 Acquired: 3/17/2025 15:06:56 Type: Unk
 Method: NON EPA-6010-200.7(v2814) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: ICSABDLX20 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.006698	.0000877	.0002859
Stddev	.000588	.0015574	.0001275
%RSD	8.782537	1775.663	44.60707
#1	-.007372	-.000425	.0004079
#2	-.006439	.001837	.0002963
#3	-.006284	-.001149	.0001535

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2956.552	64308.84	13701.03	1930.101	4438.259
Stddev	4.641	244.89	131.12	10.025	8.220
%RSD	.1569795	.3808040	.9569881	.5194193	.1852097
#1	2961.911	64458.40	13730.18	1924.560	4447.691
#2	2953.812	64441.88	13557.80	1941.674	4432.623
#3	2953.934	64026.22	13815.13	1924.070	4434.463

Sample Name: ICSABDLX20 Acquired: 3/17/2025 15:11:12 Type: Unk
Method: NON EPA-6010-200.7(v2814) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	.0044676	.0049769	.0032801	.0008020	.0302901	12.65003	.0222837
Stddev	.0015069	.0009279	.0004720	.0027696	.0018365	.04289	.0002323
%RSD	33.73034	18.64378	14.39078	345.3402	6.062894	.3390464	1.042646

#1	.0056090	.0043235	.0028205	-.001310	.0289661	12.69573	.0222180
#2	.0050343	.0060390	.0037637	-.000221	.0295176	12.61065	.0220912
#3	.0027595	.0045683	.0032560	.003938	.0323866	12.64370	.0225418

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0262839	.0509696	12.42278	.0300545	.0254253	.0277912	5.181773
Stddev	.0001295	.0003072	.02180	.0002632	.0002084	.0004255	.036594
%RSD	.4927294	.6026122	.1755033	.8759144	.8194685	1.531152	.7062147

#1	.0262512	.0509199	12.43494	.0298471	.0254986	.0278901	5.149453
#2	.0264266	.0506904	12.39761	.0299656	.0251902	.0273249	5.174359
#3	.0261739	.0512986	12.43578	.0303506	.0255871	.0281585	5.221507

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0249703	12.80979	.0509876	.0110639	.0021269	.0263791	.0551877
Stddev	.0001313	.06335	.0000382	.0001609	.0083631	.0016698	.0004047
%RSD	.5259449	.4945245	.0748676	1.454310	393.2095	6.330187	.7332611

#1	.0249266	12.88293	.0510216	.0111084	-.004257	.0266453	.0548439
#2	.0248664	12.77394	.0509463	.0108854	.011594	.0245921	.0556337
#3	.0251179	12.77250	.0509950	.0111979	-.000956	.0278998	.0550855

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.013459	.0339515	.0592909	.0535855	.0556763	.0494484	.0441336
Stddev	.029840	.0009440	.0001294	.0012022	.0003577	.0033396	.0016228
%RSD	221.7094	2.780406	.2181613	2.243554	.6424343	6.753616	3.677144

#1	-.046879	.0345411	.0593550	.0542034	.0560174	.0512974	.0442634
#2	.010513	.0344507	.0591420	.0543531	.0553040	.0455933	.0424497
#3	-.004011	.0328627	.0593757	.0522000	.0557075	.0514545	.0456876

Sample Name: ICSABDLX20 Acquired: 3/17/2025 15:11:12 Type: Unk
Method: NON EPA-6010-200.7(v2814) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0364524	.0479219	.0499649
Stddev	.0034387	.0006815	.0002192
%RSD	9.433255	1.422032	.4388141
#1	.0372012	.0481064	.0497865
#2	.0394550	.0484920	.0502097
#3	.0327011	.0471671	.0498985

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2967.611	64047.08	13923.55	1908.037	4479.741
Stddev	9.739	300.98	38.91	4.229	16.639
%RSD	.3281852	.4699321	.2794200	.2216239	.3714382
#1	2966.966	64149.96	13881.60	1911.355	4474.115
#2	2977.656	64283.13	13930.62	1903.276	4498.464
#3	2958.210	63708.15	13958.44	1909.482	4466.643

Sample Name: CCV01 Acquired: 3/17/2025 15:15:26 Type: Unk
Method: NON EPA-6010-200.7(v2814) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.157549	5.181448	5.077651	5.081963	5.171260	10.04655
Stddev	.018928	.039302	.012810	.029452	.017354	.06864
%RSD	.3669912	.7585177	.2522860	.5795484	.3355845	.6832246

#1	5.176372	5.200340	5.091673	5.104472	5.187094	10.03568
#2	5.138518	5.136267	5.066560	5.048630	5.152707	10.11998
#3	5.157757	5.207736	5.074721	5.092787	5.173979	9.98399

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.738619	.2498986	2.509248	24.71156	1.028685	2.495564
Stddev	.053895	.0006922	.006829	.14886	.007689	.006904
%RSD	.5534203	.2769836	.2721379	.6023989	.7474572	.2766496

#1	9.780111	.2493764	2.516520	24.64468	1.036866	2.503407
#2	9.758041	.2506837	2.502971	24.88213	1.021606	2.490407
#3	9.677704	.2496357	2.508254	24.60786	1.027584	2.492878

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.274095	5.184813	2.410198	24.72867	2.487137	1.305660
Stddev	.004364	.022612	.010481	.04355	.006913	.006040
%RSD	.3424979	.4361277	.4348511	.1760915	.2779615	.4625711

#1	1.278447	5.205975	2.408346	24.70453	2.494994	1.311308
#2	1.269719	5.160987	2.421480	24.77894	2.481986	1.299293
#3	1.274119	5.187476	2.400766	24.70255	2.484430	1.306379

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.24712	2.499521	2.622478	25.71103	4.978018	5.164828
Stddev	.14187	.013391	.001658	.14773	.018343	.018094
%RSD	.5405010	.5357304	.0632182	.5745929	.3684765	.3503342

#1	26.41092	2.498149	2.624392	25.87572	4.960167	5.183104
#2	26.16704	2.513545	2.621522	25.66720	4.996816	5.146921
#3	26.16339	2.486869	2.621519	25.59017	4.977071	5.164460

Sample Name: CCV01 Acquired: 3/17/2025 15:15:26 Type: Unk
Method: NON EPA-6010-200.7(v2814) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.049536	4.945198	F 5.355460	5.083222	4.940431	4.834117
Stddev	.012408	.024171	.024232	.016669	.003802	.022861
%RSD	.2457240	.4887824	.4524790	.3279153	.0769482	.4729185
#1	5.058818	4.937227	5.380308	5.101625	4.937825	4.828760
#2	5.035443	4.972347	5.354177	5.069137	4.938674	4.859181
#3	5.054347	4.926018	5.331894	5.078905	4.944793	4.814409

Elem	Sr4077
Units	ppm
Avg	4.909053
Stddev	.027163
%RSD	.5533249
#1	4.900262
#2	4.939522
#3	4.887373

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2887.563	62007.26	13560.75	1844.407	4171.318
Stddev	8.307	404.05	27.33	6.166	10.310
%RSD	.2876835	.6516116	.2015026	.3343292	.2471586
#1	2878.047	61660.13	13588.58	1837.330	4159.466
#2	2893.366	62450.78	13533.96	1848.625	4176.275
#3	2891.276	61910.86	13559.71	1847.266	4178.213

Sample Name: CCB01 Acquired: 3/17/2025 15:27:10 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	-.000566	.0009542	.0006668	.0000751	-.000647	-.007171	-.002021
Stddev	.001281	.0011763	.0013643	.0008617	.001563	.003923	.000433
%RSD	226.1552	123.2788	204.5938	1147.715	241.4260	54.69975	21.44431

#1	-.001669	-.000383	.0006829	.0005422	-.000679	-.011637	-.001533
#2	-.000869	.001418	-.000705	.0006024	.000931	-.004281	-.002361
#3	.000839	.001828	.002023	-.000919	-.002194	-.005597	-.002168

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000124	.0000617	-.004585	.0002779	.0000956	-.000424	.0006605
Stddev	.0000357	.0000257	.001421	.0000221	.0000807	.000216	.0009428
%RSD	287.5177	41.69830	31.00068	7.964036	84.41958	50.86355	142.7361

#1	.0000436	.0000898	-.004068	.0002528	.0000507	-.000305	.0015607
#2	-.000027	.0000559	-.006193	.0002865	.0001888	-.000295	.0007407
#3	.000020	.0000393	-.003495	.0002945	.0000474	-.000674	-.000320

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000522	.0110496	.0002235	.0000623	.0113292	-.000068	-.000890
Stddev	.000224	.0027723	.0001837	.0003478	.0077821	.000386	.000327
%RSD	43.02376	25.08917	82.18859	558.3969	68.69111	566.6878	36.73268

#1	-.000325	.0088063	.0000133	-.000334	.0200621	.000212	-.000915
#2	-.000474	.0141489	.0003534	.000319	.0051287	.000092	-.000552
#3	-.000766	.0101935	.0003037	.000202	.0087967	-.000509	-.001204

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071292	.0094400	-.000009	-.000414	.0001517	.0065355	-.001725
Stddev	.0216744	.0009945	.000103	.000364	.0003223	.0017826	.001043
%RSD	304.0220	10.53515	1182.403	87.71685	212.5240	27.27592	60.46193

#1	.0275106	.0104225	-.000033	-.000099	.0000817	.0044771	-.000535
#2	.0095175	.0084338	-.000097	-.000333	.0005032	.0075700	-.002162
#3	-.015640	.0094637	.000104	-.000812	-.000130	.0075594	-.002478

Sample Name: CCB01 Acquired: 3/17/2025 15:27:10 Type: Unk
 Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.009484	.0004707	.0000267
Stddev	.001885	.0004301	.0002540
%RSD	19.87958	91.36141	952.3735
#1	-.011660	.0006806	.0003197
#2	-.008461	-.000024	-.000109
#3	-.008332	.000756	-.000131

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3004.423	65447.58	14207.72	1946.777	4648.710
Stddev	28.921	437.83	47.08	21.074	37.579
%RSD	.9626001	.6689825	.3313548	1.082511	.8083769
#1	3020.299	65530.07	14238.58	1942.026	4670.203
#2	3021.928	64974.38	14231.05	1928.484	4670.609
#3	2971.041	65838.31	14153.53	1969.821	4605.318

Sample Name: PB167007BL Acquired: 3/17/2025 15:31:28 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001093	-.000052	.0006046	.0005120	-.001007	-.003217	-.003802
Stddev	.000913	.000521	.0013076	.0012028	.002266	.003535	.000794
%RSD	83.52016	998.2541	216.2812	234.9349	225.0834	109.8675	20.86914

#1	-.001102	.000485	-.000422	.0018800	.000239	-.005885	-.002886
#2	-.000176	-.000556	.002077	-.000379	-.003623	.000792	-.004270
#3	-.002003	-.000087	.000159	.000035	.000363	-.004560	-.004251

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000029	-.000059	-.001595	.0001972	.0000110	-.000089	-.005848
Stddev	.0000408	.000040	.005790	.0002405	.0002804	.000390	.004762
%RSD	1402.477	68.79300	363.0516	121.9788	2543.195	438.3021	81.42382

#1	.0000496	-.000095	-.006279	.0003194	-.000109	.000361	-.000358
#2	-.000026	-.000015	-.003385	.0003520	.000332	-.000332	-.008335
#3	-.000014	-.000066	.004879	-.000080	-.000189	-.000295	-.008852

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020910	-.006004	.0001191	.0002654	.0060494	.0008434	-.000715
Stddev	.0003173	.012353	.0001614	.0003043	.0040384	.0003608	.000427
%RSD	15.17374	205.7522	135.4809	114.6252	66.75786	42.77707	59.74765

#1	.0018340	-.019951	-.000039	.0005973	.0040681	.0010482	-.001186
#2	.0024456	.003558	.000284	.0001994	.0106958	.0004268	-.000602
#3	.0019932	-.001618	.000112	-.000000	.0033842	.0010552	-.000355

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005630	-.002219	-.000326	.0001166	-.000238	-.002677	-.000609
Stddev	.026994	.000404	.000176	.0003446	.000684	.004569	.001281
%RSD	479.4797	18.22056	54.05954	295.5621	286.8257	170.6862	210.4798

#1	-.003055	-.001768	-.000517	-.000025	-.000951	-.007422	.000860
#2	.019984	-.002340	-.000170	.000510	-.000178	.001692	-.001194
#3	-.033820	-.002549	-.000291	-.000134	.000413	-.002300	-.001493

Sample Name: PB167007BL Acquired: 3/17/2025 15:31:28 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.008175	-.000025	-.000132
Stddev	.001829	.000798	.000057
%RSD	22.37470	3185.247	43.12392

#1	-.008497	-.000265	-.000197
#2	-.009821	.000865	-.000100
#3	-.006206	-.000675	-.000098

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2991.585	65653.39	14368.94	1939.509	4650.417
Stddev	11.458	459.54	223.28	15.423	15.186
%RSD	.3830186	.6999507	1.553936	.7952140	.3265566

#1	2985.875	65854.82	14226.42	1946.599	4644.899
#2	3004.776	65977.82	14626.27	1950.113	4667.591
#3	2984.104	65127.53	14254.13	1921.816	4638.761

Sample Name: PB167007BS Acquired: 3/17/2025 15:35:47 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7955097	1.994040	.9634608	1.990686	.8170772	1.927447
Stddev	.0038330	.022183	.0037556	.006315	.0021884	.025710
%RSD	.4818318	1.112463	.3898035	.3172185	.2678368	1.333890

#1	.7917751	1.969837	.9594860	1.983574	.8182524	1.928408
#2	.7953199	1.998878	.9639465	1.995635	.8184270	1.901270
#3	.7994341	2.013405	.9669499	1.992849	.8145522	1.952663

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1817864	.1950441	.1929580	.9874526	.4128908	.1940582
Stddev	.0032513	.0028522	.0009572	.0252879	.0009466	.0006883
%RSD	1.788527	1.462340	.4960813	2.560918	.2292500	.3547092

#1	.1803511	.1938596	.1919315	.9878509	.4123597	.1933647
#2	.1794998	.1929750	.1931164	.9619679	.4139837	.1940687
#3	.1855084	.1982977	.1938262	1.012539	.4123291	.1947413

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3124384	3.014304	.1919998	1.896670	.4876901	.0773792
Stddev	.0014638	.002351	.0034578	.040709	.0024047	.0004061
%RSD	.4684983	.0779993	1.800942	2.146363	.4930850	.5248823

#1	.3109983	3.015868	.1908314	1.889824	.4849669	.0776779
#2	.3123920	3.015443	.1892776	1.859818	.4885818	.0775430
#3	.3139248	3.011600	.1958904	1.940369	.4895216	.0769168

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.991308	.2895074	.2105290	9.545891	.2768429	.4075611
Stddev	.001829	.0036497	.0008840	.038067	.0031790	.0016591
%RSD	.0611365	1.260648	.4198985	.3987738	1.148317	.4070725

#1	2.993418	.2873582	.2104912	9.536176	.2748975	.4056494
#2	2.990190	.2874425	.2114312	9.587873	.2751198	.4084094
#3	2.990315	.2937213	.2096644	9.513623	.2805115	.4086244

Sample Name: PB167007BS Acquired: 3/17/2025 15:35:47 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6824171	.1904135	.8051623	5.850168	F -.017809	.1906246
Stddev	.0021492	.0037295	.0053828	.022362	.002296	.0032023
%RSD	.3149426	1.958649	.6685294	.3822489	12.89325	1.679901

#1	.6801301	.1891162	.8038725	5.825325	-.015233	.1893298
#2	.6827260	.1875058	.8005416	5.856494	-.019643	.1882725
#3	.6843951	.1946184	.8110727	5.868686	-.018550	.1942716

Elem	Sr4077
Units	ppm
Avg	.1848373
Stddev	.0029139
%RSD	1.576484

#1	.1842067
#2	.1822904
#3	.1880149

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2943.877	64304.56	13975.46	1925.641	4435.241
Stddev	4.319	53.49	235.60	.432	8.874
%RSD	.1467012	.0831782	1.685845	.0224400	.2000796

#1	2948.860	64250.44	14042.69	1925.698	4444.672
#2	2941.554	64357.39	14170.15	1926.042	4433.997
#3	2941.218	64305.84	13713.55	1925.183	4427.056

Sample Name: PB167119BL Acquired: 3/17/2025 15:39:49 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000018	-.000353	.0000740	-.001917	-.000298	.0000401	-.002340
Stddev	.001905	.000107	.0010941	.001247	.001669	.0020169	.000123
%RSD	10478.95	30.28260	1477.450	65.06899	559.5281	5027.748	5.249966

#1	.002180	-.000349	-.000085	-.003236	.001626	-.002121	-.002270
#2	-.001173	-.000248	-.000932	-.001759	-.001348	.000369	-.002268
#3	-.001062	-.000462	.001239	-.000756	-.001173	.001872	-.002482

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000327	.0000036	.0014083	.0001428	.0000592	-.000053	-.000423
Stddev	.0000305	.0000370	.0011474	.0002530	.0001686	.000196	.003813
%RSD	93.42548	1029.235	81.46937	177.1903	284.9212	370.2656	900.8940

#1	-.000003	-.000039	.0022144	.0000892	-.000120	-.000077	.003873
#2	.000052	.000030	.0000947	-.000079	.000082	-.000236	-.003404
#3	.000049	.000019	.0019158	.000418	.000215	.000154	-.001739

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025655	.0016016	.0001592	.0003859	.0083835	.0007242	-.000662
Stddev	.0004145	.0051409	.0000935	.0000703	.0099224	.0011716	.000236
%RSD	16.15618	320.9778	58.73039	18.20989	118.3568	161.7804	35.64266

#1	.0025392	-.003594	.0001974	.0003318	-.001160	-.000146	-.000432
#2	.0029925	.006686	.0000527	.0003605	.018645	.000262	-.000903
#3	.0021647	.001713	.0002277	.0004653	.007665	.002056	-.000651

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0313822	-.006502	-.000254	.0000650	.0005825	-.002199	-.001527
Stddev	.0104652	.000455	.000134	.0002145	.0004082	.003291	.001852
%RSD	33.34758	6.991695	52.76325	329.7474	70.07528	149.6635	121.2885

#1	.0320723	-.006207	-.000238	.0002963	.0009742	-.005426	-.000376
#2	.0414852	-.006273	-.000395	-.000127	.0006138	-.002324	-.000542
#3	.0205890	-.007025	-.000128	.000026	.0001596	.001153	-.003664

Sample Name: PB167119BL Acquired: 3/17/2025 15:39:49 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.007408	.0001388	-.000192
Stddev	.001755	.0002034	.000048
%RSD	23.69354	146.4990	25.12002

#1	-.005621	-.000069	-.000137
#2	-.009130	.000337	-.000225
#3	-.007472	.000148	-.000215

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3004.117	64784.01	14011.13	1928.763	4639.837
Stddev	14.655	1597.16	114.24	36.007	19.380
%RSD	.4878217	2.465355	.8153250	1.866846	.4176776

#1	3006.431	65787.59	13880.23	1942.863	4643.842
#2	3017.478	65622.19	14062.48	1955.587	4656.902
#3	2988.444	62942.25	14090.68	1887.840	4618.769

Sample Name: PB167119BS Acquired: 3/17/2025 15:44:08 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7836703	1.994730	.9451043	1.948828	.8061101	1.879764
Stddev	.0039466	.010781	.0027297	.004212	.0041802	.010210
%RSD	.5035986	.5404855	.2888204	.2161375	.5185622	.5431410

#1	.7828051	1.988516	.9438885	1.948318	.8042975	1.875898
#2	.7802282	1.988496	.9431939	1.944895	.8031421	1.872052
#3	.7879777	2.007179	.9482306	1.953272	.8108906	1.891342

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1786801	.1912227	.1887401	.9579249	.4002532	.1896783
Stddev	.0014152	.0017598	.0004571	.0079122	.0002961	.0004376
%RSD	.7920021	.9202644	.2421686	.8259703	.0739792	.2307117

#1	.1779956	.1899890	.1890187	.9566353	.4005598	.1900124
#2	.1777374	.1904413	.1882126	.9507368	.4002309	.1891830
#3	.1803074	.1932378	.1889890	.9664027	.3999689	.1898396

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3054841	2.871327	.1868920	1.858303	.4769381	.0745455
Stddev	.0002979	.016888	.0019581	.014295	.0008139	.0004169
%RSD	.0975110	.5881447	1.047704	.7692359	.1706545	.5592423

#1	.3058040	2.871911	.1856585	1.848668	.4778732	.0749650
#2	.3054333	2.887915	.1858677	1.851514	.4765513	.0745402
#3	.3052148	2.854155	.1891498	1.874727	.4763896	.0741313

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.865896	.2828442	.2011940	9.143908	.2678484	.4025571
Stddev	.020392	.0034802	.0004409	.092212	.0022857	.0011345
%RSD	.7115228	1.230429	.2191274	1.008448	.8533392	.2818254

#1	2.876595	.2814831	.2009961	9.197904	.2669239	.4018038
#2	2.878711	.2802503	.2008867	9.196385	.2661698	.4020055
#3	2.842382	.2867993	.2016991	9.037435	.2704515	.4038619

Sample Name: PB167119BS Acquired: 3/17/2025 15:44:08 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6741379	.1843116	.7600489	5.707698	F -.019199	.1850599
Stddev	.0033336	.0019733	.0039493	.006074	.002081	.0005940
%RSD	.4945045	1.070644	.5196118	.1064181	10.83901	.3209857
#1	.6770173	.1820343	.7635505	5.708375	-.016874	.1844666
#2	.6704858	.1855175	.7608282	5.701314	-.019836	.1850585
#3	.6749107	.1853829	.7557680	5.713405	-.020887	.1856546

Elem	Sr4077
Units	ppm
Avg	.1816049
Stddev	.0009469
%RSD	.5214148
#1	.1808125
#2	.1813487
#3	.1826536

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2965.814	66490.17	14108.28	1978.232	4474.933
Stddev	3.857	267.23	119.15	3.682	5.005
%RSD	.1300322	.4019087	.8445531	.1861225	.1118441
#1	2968.262	66323.33	14188.32	1973.981	4476.399
#2	2967.812	66348.78	14165.18	1980.314	4479.042
#3	2961.368	66798.39	13971.35	1980.402	4469.359

Sample Name: Q1543-01 Acquired: 3/17/2025 15:48:10 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001916	-.005029	.0000431	.0010183	.0011438	.4107695	.0507948
Stddev	.000519	.001193	.0003489	.0019159	.0015788	.0087199	.0000848
%RSD	27.10886	23.72187	810.2199	188.1510	138.0381	2.122825	.1669163

#1	-.002387	-.003669	.0004368	-.001175	-.000261	.4177471	.0507365
#2	-.002002	-.005898	-.000080	.001863	.000840	.4135673	.0508921
#3	-.001359	-.005520	-.000228	.002367	.002852	.4009941	.0507559

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000097	-.000082	15.15161	.0026247	.0091091	.0026380	1.002638
Stddev	.0000210	.000039	.02122	.0000454	.0003416	.0000836	.003044
%RSD	214.7254	47.89758	.1400624	1.729567	3.750264	3.168132	.3035882

#1	.0000142	-.000100	15.12847	.0026770	.0092929	.0025546	1.005555
#2	.0000282	-.000037	15.15621	.0025962	.0087150	.0026377	1.002877
#3	-.000013	-.000108	15.17016	.0026007	.0093196	.0027218	.999481

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0729128	10.79726	.0058094	.0000259	28.52382	.0014406	.0099793
Stddev	.0006000	.04479	.0001734	.0001114	.08991	.0003958	.0001965
%RSD	.8229365	.4147936	2.984939	429.4346	.3151984	27.47658	1.969023

#1	.0736055	10.74564	.0057142	-.000097	28.61411	.0018000	.0097603
#2	.0725747	10.82039	.0060096	.000120	28.43430	.0010163	.0101401
#3	.0725580	10.82575	.0057045	.000055	28.52306	.0015055	.0100375

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7927194	.0554219	.0000740	-.001894	.0035788	9.575694	.0246554
Stddev	.0159724	.0001540	.0001420	.000266	.0004096	.015501	.0022144
%RSD	2.014889	.2778741	191.7214	14.01985	11.44564	.1618785	8.981382

#1	.7894440	.0555414	.0001749	-.001587	.0032311	9.575881	.0264951
#2	.8100755	.0554762	.0001355	-.002052	.0034749	9.591101	.0221976
#3	.7786385	.0552481	-.000088	-.002043	.0040303	9.560101	.0252734

Sample Name: Q1543-01 Acquired: 3/17/2025 15:48:10 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	8.684703	-.000099	.0972164
Stddev	.039731	.000640	.0004853
%RSD	.4574795	649.1079	.4992397
#1	8.712779	.000564	.0977427
#2	8.639243	-.000714	.0971200
#3	8.702089	-.000145	.0967865

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2917.314	65699.53	14438.69	1904.966	4469.137
Stddev	10.246	88.09	47.25	6.660	18.594
%RSD	.3512231	.1340872	.3272263	.3496122	.4160534
#1	2912.587	65787.13	14491.44	1911.410	4460.569
#2	2929.071	65700.50	14424.35	1898.109	4490.470
#3	2910.285	65610.95	14400.27	1905.380	4456.371

Sample Name: Q1543-02 Acquired: 3/17/2025 15:52:25 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000448	-.005360	.0019460	.0029664	-.001070	1.681345
Stddev	.003073	.001539	.0006652	.0037210	.000588	.007317
%RSD	686.0485	28.71973	34.18459	125.4391	54.97429	.4351855
#1	-.001288	-.004309	.0026880	.0059980	-.000391	1.687877
#2	.002958	-.004644	.0014030	-.001186	-.001412	1.682720
#3	-.003014	-.007127	.0017470	.004087	-.001408	1.673438
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3296750	.0008016	-.000377	55.03957	.0028461	.0289583
Stddev	.0014864	.0000429	.000005	.14425	.0001874	.0002234
%RSD	.4508633	5.347359	1.365110	.2620768	6.584415	.7715912
#1	.3303681	.0007975	-.000376	54.89063	.0026866	.0291523
#2	.3279686	.0007609	-.000382	55.04947	.0030525	.0290085
#3	.3306881	.0008463	-.000372	55.17861	.0027992	.0287140
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057167	6.583640	.2859827	32.80274	.0148750	.0000087
Stddev	.0002300	.006755	.0016275	.09800	.0001372	.0002630
%RSD	4.024029	.1025985	.5690996	.2987660	.9224596	3024.086
#1	.0059688	6.589198	.2841235	32.69753	.0148218	-.000237
#2	.0055182	6.585599	.2866744	32.89144	.0150309	.000286
#3	.0056630	6.576122	.2871501	32.81924	.0147724	-.000023
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	279.9483	.0070920	.0362824	4.562783	.0625813	.0002754
Stddev	1.3401	.0012889	.0005411	.010710	.0002832	.0001629
%RSD	.4786978	18.17375	1.491392	.2347161	.4524986	59.16278
#1	278.4025	.0085095	.0359970	4.567878	.0622760	.0002846
#2	280.7841	.0059905	.0369064	4.569994	.0628355	.0004334
#3	280.6581	.0067761	.0359436	4.550477	.0626322	.0001080

Sample Name: Q1543-02 Acquired: 3/17/2025 15:52:25 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003430	.0250452	F 15.06767	.1368170	F 21.69302	-.000120
Stddev	.000235	.0011082	.01249	.0008311	.04406	.000497
%RSD	6.842286	4.424808	.0828936	.6074542	.2031254	413.8351
#1	-.003324	.0261922	15.07941	.1377761	21.73477	.000260
#2	-.003268	.0239803	15.06904	.1363668	21.64696	-.000683
#3	-.003699	.0249631	15.05454	.1363081	21.69733	.000062

Elem	Sr4077
Units	ppm
Avg	.3183684
Stddev	.0014269
%RSD	.4481995
#1	.3174788
#2	.3176122
#3	.3200143

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2788.131	63526.00	14063.50	1827.922	3978.448
Stddev	.725	306.28	35.55	12.530	6.314
%RSD	.0260209	.4821375	.2527834	.6854998	.1587115
#1	2788.920	63456.03	14093.64	1833.109	3974.738
#2	2787.982	63260.76	14024.30	1813.631	3985.738
#3	2787.492	63861.22	14072.56	1837.025	3974.867

Sample Name: Q1543-02DUP Acquired: 3/17/2025 15:56:46 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000482	-.005805	.0020781	.0035210	.0010595	1.748262
Stddev	.000774	.002365	.0007666	.0055492	.0014811	.006759
%RSD	160.5943	40.73949	36.89129	157.6033	139.7998	.3866299

#1	.000406	-.008510	.0028539	.0044169	.0027603	1.755959
#2	-.001016	-.004782	.0020595	.0085676	.0000542	1.743292
#3	-.000836	-.004124	.0013210	-.002422	.0003638	1.745535

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3327267	.0007568	-.000346	54.69317	.0030988	.0287998
Stddev	.0027324	.0000483	.000035	.21856	.0001375	.0000970
%RSD	.8212110	6.381813	10.24063	.3996027	4.436019	.3369233

#1	.3354120	.0007580	-.000372	54.87964	.0031687	.0287944
#2	.3328184	.0008044	-.000306	54.74719	.0029404	.0287055
#3	.3299495	.0007078	-.000361	54.45266	.0031872	.0288994

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056377	6.885633	.2840342	32.20632	.0144943	-.000097
Stddev	.0002861	.032029	.0020990	.10270	.0001076	.000043
%RSD	5.075084	.4651633	.7390115	.3188888	.7424550	44.15503

#1	.0053891	6.863027	.2859617	32.25466	.0144371	-.000055
#2	.0059504	6.922286	.2843432	32.27593	.0146185	-.000141
#3	.0055735	6.871587	.2817978	32.08837	.0144275	-.000094

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	289.9685	.0065258	.0362972	4.796866	.0609106	.0001886
Stddev	1.6131	.0005868	.0004624	.012329	.0004645	.0002314
%RSD	.5562942	8.991377	1.273988	.2570188	.7626156	122.6692

#1	289.1580	.0067281	.0358641	4.788087	.0614391	.0000949
#2	288.9214	.0058647	.0362432	4.810961	.0607260	.0004522
#3	291.8261	.0069847	.0367842	4.791550	.0605669	.0000188

Sample Name: Q1543-02DUP Acquired: 3/17/2025 15:56:46 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002557	.0332728	F 15.78764	.1383549	F 21.49413	-.000255
Stddev	.000588	.0010207	.07242	.0008388	.10973	.000238
%RSD	22.98099	3.067684	.4586994	.6062705	.5105074	93.50913

#1	-.002675	.0321056	15.72411	.1378383	21.46955	-.000514
#2	-.003076	.0337143	15.86649	.1379036	21.39877	-.000205
#3	-.001919	.0339984	15.77232	.1393227	21.61406	-.000045

Elem	Sr4077
Units	ppm
Avg	.3192660
Stddev	.0020118
%RSD	.6301464

#1	.3214317
#2	.3189110
#3	.3174553

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2820.865	61712.38	14401.76	1815.754	4014.361
Stddev	13.219	275.88	23.15	13.125	18.317
%RSD	.4686144	.4470449	.1607694	.7228662	.4562798

#1	2823.883	62029.00	14376.72	1829.778	4021.092
#2	2832.313	61523.65	14406.20	1803.765	4028.360
#3	2806.398	61584.49	14422.38	1813.720	3993.631

Sample Name: Q1543-02LX5 Acquired: 3/17/2025 16:01:09 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008323	-.002476	.0008273	.0004124	-.000289	.8037820	.0662186
Stddev	.0019436	.002608	.0009454	.0006097	.000460	.0077215	.0005744
%RSD	233.5138	105.3277	114.2732	147.8356	159.1636	.9606436	.8674274

#1	-.001403	-.005488	.0015304	.0009255	.000022	.7979626	.0660902
#2	.002120	-.000955	.0011988	-.000262	-.000817	.8008417	.0668462
#3	.001780	-.000986	-.000247	.000573	-.000071	.8125417	.0657192

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002080	-.000122	11.48501	.0013183	.0058801	.0010846	1.588302
Stddev	.0000397	.000067	.05548	.0001167	.0003434	.0000812	.014926
%RSD	19.08403	54.98109	.4830950	8.855066	5.839129	7.489427	.9397456

#1	.0001720	-.000072	11.42716	.0012736	.0060003	.0009981	1.571182
#2	.0002505	-.000199	11.49008	.0014508	.0054928	.0011592	1.598583
#3	.0002013	-.000097	11.53778	.0012306	.0061471	.0010966	1.595142

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0621419	6.785832	.0030556	.0001288	56.26800	.0026891	.0065939
Stddev	.0003465	.011251	.0000500	.0001497	.09591	.0008121	.0004691
%RSD	.5576197	.1658061	1.635226	116.1943	.1704496	30.20013	7.113740

#1	.0619251	6.793583	.0030275	-.000029	56.15738	.0017620	.0070990
#2	.0619589	6.772927	.0030261	.000147	56.31877	.0030307	.0061720
#3	.0625415	6.790985	.0031133	.000268	56.32785	.0032747	.0065106

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9684479	.0057328	-.000184	-.001218	.0348019	3.746444	.0262024
Stddev	.0135557	.0003041	.000113	.000988	.0017183	.025142	.0008918
%RSD	1.399731	5.304077	61.05799	81.06136	4.937355	.6710763	3.403577

#1	.9759127	.0059588	-.000301	-.000123	.0365128	3.735249	.0269009
#2	.9766305	.0058524	-.000076	-.001490	.0330763	3.728844	.0265085
#3	.9528007	.0053871	-.000176	-.002042	.0348165	3.775238	.0251979

Sample Name: Q1543-02LX5 Acquired: 3/17/2025 16:01:09 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.338648	.0016240	.0646356
Stddev	.074427	.0005325	.0002529
%RSD	1.715436	32.78656	.3912502
#1	4.423570	.0010376	.0644028
#2	4.284766	.0020772	.0649046
#3	4.307606	.0017573	.0645994

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2896.864	63667.43	14034.45	1888.782	4289.575
Stddev	35.090	235.71	42.94	6.148	58.168
%RSD	1.211306	.3702270	.3059688	.3255052	1.356041
#1	2857.129	63668.37	14019.38	1891.199	4222.857
#2	2923.595	63902.67	14082.90	1893.355	4329.650
#3	2909.870	63431.25	14001.08	1881.793	4316.217

Sample Name: Q1543-02MS Acquired: 3/17/2025 16:05:24 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7940815	1.850108	.9108796	1.876216	.8161589	2.395782
Stddev	.0053486	.001522	.0085351	.011069	.0046134	.001458
%RSD	.6735646	.0822558	.9370181	.5899635	.5652576	.0608387

#1	.7950485	1.848812	.9203069	1.883752	.8204825	2.394100
#2	.7988806	1.849729	.9086547	1.881389	.8166922	2.396588
#3	.7883153	1.851784	.9036773	1.863508	.8113021	2.396659

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4974647	.1825078	.1874442	55.30502	.3954991	.2114447
Stddev	.0014054	.0005879	.0014583	.10285	.0012617	.0019533
%RSD	.2825039	.3221333	.7779963	.1859612	.3190036	.9237796

#1	.4964212	.1819051	.1889294	55.18687	.3957751	.2133188
#2	.4969101	.1825385	.1873888	55.35373	.3941223	.2115943
#3	.4990627	.1830797	.1860144	55.37446	.3965999	.2094208

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2860288	4.348805	.4309386	33.95387	.4797142	.0719259
Stddev	.0020251	.031982	.0015397	.06935	.0034277	.0002548
%RSD	.7080048	.7354225	.3572902	.2042476	.7145282	.3542699

#1	.2876727	4.351983	.4293355	33.97704	.4832619	.0718675
#2	.2866470	4.315352	.4310745	33.87590	.4794600	.0717053
#3	.2837666	4.379079	.4324059	34.00867	.4764207	.0722048

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	281.7876	.2821687	.2340323	15.13874	.3192094	.4105252
Stddev	1.0867	.0010222	.0012774	.06669	.0014152	.0026696
%RSD	.3856618	.3622551	.5458034	.4405257	.4433502	.6502823

#1	282.0149	.2832250	.2354587	15.13260	.3176620	.4127200
#2	282.7428	.2811844	.2329940	15.07533	.3204380	.4113023
#3	280.6052	.2820967	.2336442	15.20829	.3195283	.4075533

Sample Name: Q1543-02MS Acquired: 3/17/2025 16:05:24 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6787127	.1886984	F 14.51431	6.103935	F 21.04478	.1915066
Stddev	.0053278	.0004906	.06446	.045265	.14643	.0011715
%RSD	.7849900	.2599779	.4441396	.7415630	.6957849	.6117062

#1	.6845382	.1886833	14.55715	6.152257	21.19724	.1917857
#2	.6775125	.1891964	14.44018	6.097029	21.03185	.1902208
#3	.6740873	.1882156	14.54561	6.062521	20.90525	.1925134

Elem	Sr4077
Units	ppm
Avg	.5007030
Stddev	.0011837
%RSD	.2364007

#1	.4995127
#2	.5007163
#3	.5018799

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2758.098	61087.28	13869.22	1785.459	3940.619
Stddev	12.220	174.72	24.75	10.274	18.854
%RSD	.4430727	.2860230	.1784680	.5754235	.4784555

#1	2749.383	61025.08	13896.73	1774.866	3920.468
#2	2752.845	61284.59	13862.20	1795.381	3943.559
#3	2772.067	60952.16	13848.75	1786.131	3957.831

Sample Name: Q1543-02MSD Acquired: 3/17/2025 16:09:31 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7896264	1.804286	.9060668	1.869652	.8137803	2.393307
Stddev	.0023579	.015778	.0017013	.007415	.0026052	.015884
%RSD	.2986066	.8744494	.1877617	.3966005	.3201404	.6636865
#1	.7911983	1.819135	.9078596	1.870009	.8164491	2.379521
#2	.7907658	1.806005	.9044749	1.862064	.8112436	2.389722
#3	.7869153	1.787720	.9058660	1.876882	.8136481	2.410677
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4905487	.1782312	.1864719	54.43427	.3923962	.2107922
Stddev	.0012640	.0013298	.0000778	.21312	.0002066	.0005510
%RSD	.2576780	.7460792	.0417123	.3915186	.0526465	.2613785
#1	.4917668	.1777458	.1864189	54.51929	.3926316	.2112617
#2	.4892432	.1772123	.1864356	54.19176	.3923119	.2101856
#3	.4906360	.1797355	.1865612	54.59175	.3922451	.2109292
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2844973	4.285856	.4221705	33.33324	.4774791	.0707013
Stddev	.0018313	.033442	.0010837	.17262	.0011323	.0003083
%RSD	.6436904	.7802844	.2566898	.5178681	.2371340	.4360220
#1	.2864651	4.289471	.4225958	33.30971	.4782968	.0710425
#2	.2828430	4.317343	.4209387	33.17359	.4761868	.0706186
#3	.2841838	4.250753	.4229770	33.51642	.4779537	.0704428
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	277.4728	.2773917	.2301909	14.85293	.3132307	.4091533
Stddev	.9102	.0025765	.0012232	.11493	.0019968	.0019864
%RSD	.3280495	.9288403	.5313747	.7737857	.6374726	.4854992
#1	278.3012	.2784889	.2305426	14.90243	.3115012	.4114309
#2	277.6188	.2744482	.2288303	14.93482	.3127748	.4077789
#3	276.4984	.2792380	.2311996	14.72155	.3154159	.4082502

Sample Name: Q1543-02MSD Acquired: 3/17/2025 16:09:31 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6745159	.1894402	F 14.29124	5.977040	F 20.75572	.1884044
Stddev	.0015926	.0006022	.04886	.006185	.00477	.0009004
%RSD	.2361028	.3179028	.3419099	.1034716	.0230003	.4778943
#1	.6751487	.1895097	14.33244	5.983796	20.75034	.1883173
#2	.6727043	.1888062	14.30402	5.975665	20.75739	.1893451
#3	.6756949	.1900047	14.23725	5.971659	20.75944	.1875507

Elem	Sr4077
Units	ppm
Avg	.4946785
Stddev	.0006521
%RSD	.1318217
#1	.4952858
#2	.4939894
#3	.4947605

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2769.066	62444.39	14110.66	1802.794	3961.699
Stddev	11.302	278.69	69.61	4.370	6.631
%RSD	.4081613	.4463005	.4933263	.2424280	.1673897
#1	2756.042	62146.84	14089.87	1797.776	3954.145
#2	2776.298	62487.01	14188.29	1805.771	3966.562
#3	2774.858	62699.31	14053.81	1804.834	3964.391

Sample Name: CCV02 Acquired: 3/17/2025 16:13:39 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.215821	5.229180	5.068136	5.136107	5.259924	9.980726	9.764141
Stddev	.029908	.030148	.028374	.026518	.027464	.015844	.032729
%RSD	.5734104	.5765273	.5598594	.5162967	.5221307	.1587435	.3351948

#1	5.223859	5.226426	5.048550	5.136486	5.264938	9.989963	9.762227
#2	5.182716	5.200504	5.055184	5.109401	5.230298	9.962431	9.732411
#3	5.240889	5.260610	5.100676	5.162432	5.284534	9.989783	9.797785

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2436347	2.501279	24.28984	1.038007	2.483371	1.281679	5.089813
Stddev	.0014476	.015357	.08090	.006454	.015740	.006450	.051220
%RSD	.5941717	.6139555	.3330788	.6217849	.6338227	.5032845	1.006326

#1	.2420023	2.489142	24.24478	1.041079	2.471401	1.279847	5.115172
#2	.2441394	2.496152	24.24151	1.030591	2.477512	1.276342	5.030861
#3	.2447624	2.518544	24.38325	1.042351	2.501201	1.288847	5.123407

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.348220	24.24841	2.472436	1.287922	26.38762	2.468161	2.593198
Stddev	.011027	.12879	.014306	.007106	.27280	.005457	.017848
%RSD	.4696011	.5311098	.5786375	.5517035	1.033812	.2210767	.6882801

#1	2.345920	24.17906	2.458924	1.293649	26.64005	2.470461	2.605818
#2	2.338525	24.16916	2.470960	1.279971	26.09822	2.461931	2.572777
#3	2.360216	24.39701	2.487423	1.290147	26.42459	2.472092	2.600999

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.61845	4.863284	5.201716	5.046683	4.881840	5.347311	5.115179
Stddev	.24117	.022885	.029796	.025611	.013698	.027514	.039663
%RSD	.9414013	.4705570	.5728081	.5074828	.2805877	.5145444	.7754031

#1	25.85007	4.837865	5.199764	5.030095	4.886776	5.366603	5.087538
#2	25.36874	4.869740	5.172944	5.033775	4.866358	5.315804	5.097374
#3	25.63654	4.882247	5.232440	5.076180	4.892385	5.359526	5.160625

Sample Name: CCV02 Acquired: 3/17/2025 16:13:39 Type: Unk
 Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.957305	4.778862	4.924835
Stddev	.022296	.017953	.050114
%RSD	.4497702	.3756673	1.017581

#1	4.941091	4.789311	4.866969
#2	4.948093	4.758132	4.953481
#3	4.982732	4.789143	4.954054

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2873.613	62951.49	13846.46	1853.549	4178.265
Stddev	14.025	350.65	35.22	11.241	18.492
%RSD	.4880598	.5570114	.2543545	.6064619	.4425774

#1	2872.392	62648.94	13886.54	1841.160	4191.180
#2	2888.209	63335.79	13820.44	1863.096	4186.533
#3	2860.239	62869.75	13832.41	1856.391	4157.081

Sample Name: CCB02 Acquired: 3/17/2025 16:17:50 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	-.000292	-.000439	.0001288	-.001401	-.002141	-.006500	-.001743
Stddev	.000427	.000839	.0002885	.000819	.001266	.002343	.000679
%RSD	146.0615	191.1326	224.0519	58.46512	59.12351	36.05037	38.96818

#1	-.000682	.000337	.0000304	-.001839	-.002149	-.004914	-.002411
#2	-.000358	-.000325	-.000098	-.001908	-.003404	-.009192	-.001053
#3	.000164	-.001328	.000454	-.000456	-.000872	-.005396	-.001766

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000599	.0000476	-.003336	.0002076	.0000137	-.000224	-.002367
Stddev	.0000430	.0000517	.003544	.0001956	.0001022	.000236	.003556
%RSD	71.74340	108.7572	106.2398	94.21461	746.4425	105.3279	150.2395

#1	.0000110	.0001070	.000495	.0002961	.0001129	.000044	-.006318
#2	.0000773	.0000232	-.006497	-.000017	.0000194	-.000318	-.001359
#3	.0000916	.0000125	-.004006	.000343	-.000091	-.000399	.000576

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024502	.0046231	.0002248	-.000000	.0571511	.0003548	-.000885
Stddev	.0003394	.0069218	.0002154	.000361	.0090340	.0001384	.000329
%RSD	13.85310	149.7227	95.81867	186662.7	15.80721	39.00301	37.22526

#1	.0021849	.0005587	.0000507	-.000222	.0674174	.0003848	-.001238
#2	.0023329	.0006953	.0001580	.000417	.0536199	.0002038	-.000831
#3	.0028327	.0126153	.0004656	-.000195	.0504161	.0004756	-.000586

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0242650	.0002725	.0000530	-.000389	.0000250	.0001964	-.002977
Stddev	.0258556	.0001677	.0001646	.000356	.0001305	.0048640	.002349
%RSD	106.5552	61.54384	310.8458	91.57774	520.8967	2477.166	78.93249

#1	.0321659	.0002565	.0002318	-.000659	-.000076	.0043693	-.001644
#2	-.004619	.0004476	.0000194	-.000523	.000172	-.005146	-.005689
#3	.045248	.0001133	-.000092	.000015	-.000022	.001365	-.001596

Sample Name: CCB02 Acquired: 3/17/2025 16:17:50 Type: Unk
 Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: CCB02 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.006783	.0011991	-.000054
Stddev	.001327	.0013591	.000104
%RSD	19.55866	113.3412	191.6420
#1	-.005572	-.000179	.000062
#2	-.008201	.001239	-.000138
#3	-.006576	.002538	-.000087

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3026.128	64574.04	14080.89	1922.449	4706.072
Stddev	10.339	374.94	86.15	10.798	19.810
%RSD	.3416686	.5806403	.6118460	.5617011	.4209488
#1	3026.938	64378.45	14083.96	1915.937	4707.013
#2	3015.408	64337.33	14165.46	1916.497	4685.808
#3	3036.039	65006.33	13993.23	1934.914	4725.395

Sample Name: Q1553-03 Acquired: 3/17/2025 16:22:10 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0505586	-.002232	.4998894	-.003701	.0113211	15.99838
Stddev	.0023073	.002858	.0012347	.002706	.0016738	.01223
%RSD	4.563571	128.0039	.2469874	73.11846	14.78486	.0764734

#1	.0531802	.000746	.5008553	-.006691	.0124544	15.98827
#2	.0496591	-.002493	.5003146	-.002990	.0093986	15.99489
#3	.0488366	-.004951	.4984984	-.001421	.0121103	16.01198

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2269797	.0009010	.0006839	130.6890	.0629696	.0401248
Stddev	.0006560	.0000523	.0000863	.1516	.0000619	.0001246
%RSD	.2889940	5.802838	12.61932	.1159879	.0982579	.3105408

#1	.2262621	.0008629	.0007835	130.6323	.0629783	.0399827
#2	.2271285	.0009606	.0006375	130.5739	.0630267	.0402154
#3	.2275484	.0008795	.0006307	130.8607	.0629039	.0401763

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3560167	34.20406	1.270523	11.29098	.0535290	.0012825
Stddev	.0008651	.14121	.001580	.00588	.0004371	.0004540
%RSD	.2429838	.4128596	.1243576	.0520665	.8165696	35.39977

#1	.3568905	34.12991	1.269432	11.28553	.0537386	.0013794
#2	.3551606	34.11537	1.269802	11.29019	.0538217	.0016803
#3	.3559990	34.36691	1.272335	11.29721	.0530265	.0007879

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	958.1579	.0444935	17.75552	28.34357	.1022696	.0297063
Stddev	1.5522	.0011906	.03200	.19759	.0007315	.0003228
%RSD	.1620022	2.675990	.1802154	.6971298	.7152131	1.086504

#1	959.1466	.0431238	17.78262	28.22188	.1029289	.0294501
#2	956.3688	.0452810	17.76372	28.23728	.1023972	.0300688
#3	958.9582	.0450758	17.72022	28.57156	.1014828	.0296000

Sample Name: Q1553-03 Acquired: 3/17/2025 16:22:10 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0328339	.8920965	F 42.43528	2.430871	4.539472	.0059933
Stddev	.0005253	.0011526	.18423	.016360	.044770	.0013135
%RSD	1.599707	.1292031	.4341533	.6730092	.9862306	21.91552
#1	.0328997	.8933688	42.35088	2.446594	4.590877	.0074851
#2	.0333231	.8917986	42.30837	2.432078	4.518517	.0054844
#3	.0322788	.8911221	42.64660	2.413941	4.509024	.0050105

Elem	Sr4077
Units	ppm
Avg	1.015402
Stddev	.001970
%RSD	.1940031
#1	1.013596
#2	1.015108
#3	1.017503

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2681.310	60778.18	14463.49	1778.409	3601.396
Stddev	6.613	271.24	15.85	3.709	17.526
%RSD	.2466250	.4462826	.1095677	.2085600	.4866351
#1	2673.823	60934.73	14480.98	1775.719	3581.436
#2	2686.354	60934.83	14459.40	1782.640	3608.486
#3	2683.753	60464.97	14450.09	1776.868	3614.266

Sample Name: Q1543-02A Acquired: 3/17/2025 16:26:28 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8061430	1.867843	.9202375	1.901676	.8181000	3.648376
Stddev	.0063787	.017583	.0034026	.004991	.0023053	.014068
%RSD	.7912562	.9413310	.3697489	.2624699	.2817819	.3856072

#1	.8010659	1.848395	.9163159	1.899382	.8165805	3.635915
#2	.8133027	1.872517	.9219903	1.907402	.8207526	3.663632
#3	.8040605	1.882616	.9224063	1.898245	.8169670	3.645581

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5093482	.1810015	.1884205	53.71995	.3984935	.2185452
Stddev	.0026345	.0010892	.0004930	.37077	.0005644	.0004821
%RSD	.5172230	.6017798	.2616544	.6901947	.1416421	.2206146

#1	.5073747	.1800177	.1879519	53.32775	.3978804	.2180352
#2	.5123398	.1821720	.1889347	54.06474	.3989916	.2186067
#3	.5083301	.1808147	.1883749	53.76736	.3986086	.2189936

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2925315	9.418682	.4475649	33.10739	.4843399	.0745904
Stddev	.0008319	.061767	.0034930	.22577	.0014698	.0006643
%RSD	.2843643	.6557889	.7804447	.6819202	.3034691	.8905391

#1	.2918468	9.348460	.4435400	32.85535	.4832300	.0738507
#2	.2934573	9.442983	.4498036	33.29111	.4860068	.0751359
#3	.2922903	9.464602	.4493512	33.17569	.4837829	.0747847

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	280.8371	.2846637	.2411640	15.10471	.3062723	.4089208
Stddev	3.0365	.0041010	.0007966	.04074	.0029287	.0013488
%RSD	1.081230	1.440652	.3303024	.2696852	.9562236	.3298431

#1	277.8491	.2802497	.2415777	15.05824	.3040472	.4073725
#2	283.9199	.2883559	.2416686	15.13425	.3095903	.4098406
#3	280.7422	.2853857	.2402457	15.12165	.3051795	.4095494

Sample Name: Q1543-02A Acquired: 3/17/2025 16:26:28 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6782951	.2190919	F 15.95946	6.208747	F 21.19112	.1919364
Stddev	.0017225	.0020510	.05381	.016074	.07151	.0015035
%RSD	.2539450	.9361512	.3371907	.2588931	.3374529	.7833411
#1	.6764711	.2186967	15.89815	6.198052	21.12645	.1905785
#2	.6798940	.2172672	15.99890	6.227232	21.26792	.1935522
#3	.6785202	.2213118	15.98132	6.200957	21.17899	.1916786

Elem	Sr4077
Units	ppm
Avg	.4872536
Stddev	.0032695
%RSD	.6710072
#1	.4838704
#2	.4903961
#3	.4874942

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2760.068	61851.45	14063.62	1783.624	3940.259
Stddev	5.405	292.65	100.06	10.969	10.315
%RSD	.1958335	.4731452	.7115041	.6149946	.2617959
#1	2765.629	62177.12	14172.33	1794.422	3951.218
#2	2754.834	61610.53	13975.36	1772.491	3930.738
#3	2759.741	61766.71	14043.18	1783.959	3938.820

Sample Name: Q1568-04 Acquired: 3/17/2025 16:30:36 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003155	-.005454	.0141653	.0010444	-.001077	.0528677	.3417294
Stddev	.001301	.000975	.0006380	.0046419	.000724	.0034494	.0016867
%RSD	41.22917	17.87183	4.504043	444.4764	67.18819	6.524601	.4935653

#1	-.004343	-.004494	.0147028	-.000529	-.001784	.0501673	.3401754
#2	-.003358	-.005425	.0143329	.006268	-.001109	.0567535	.3414898
#3	-.001765	-.006443	.0134602	-.002606	-.000338	.0516824	.3435231

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000101	.0004134	18.56175	.0002229	.0016646	.0143979	.0221797
Stddev	.0000286	.0000252	.09026	.0003814	.0000838	.0008144	.0054235
%RSD	283.2684	6.105939	.4862681	171.0918	5.034087	5.656122	24.45268

#1	.0000339	.0004153	18.47219	.0005719	.0015713	.0134781	.0197021
#2	.0000180	.0003873	18.65270	-.000184	.0017334	.0146888	.0184374
#3	-.000022	.0004377	18.56037	.000281	.0016891	.0150270	.0283995

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3926819	2.198502	.0035340	.0005071	306.0827	-.000021	.1516484
Stddev	.0012956	.020565	.0001491	.0001537	6.1145	.000667	.0023851
%RSD	.3299257	.9354138	4.220086	30.31267	1.997676	3115.579	1.572749

#1	.3913691	2.209713	.0033647	.0006625	313.1151	.000658	.1543719
#2	.3927170	2.211025	.0036461	.0005036	303.1118	-.000674	.1499324
#3	.3939595	2.174767	.0035911	.0003552	302.0213	-.000048	.1506410

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9805716	.0578757	.0043984	-.002173	.0011910	.9141801	.0124271
Stddev	.0227035	.0010162	.0002248	.000589	.0003546	.0100884	.0011342
%RSD	2.315336	1.755805	5.110784	27.10728	29.77196	1.103549	9.127161

#1	.9631630	.0567025	.0043470	-.001824	.0010686	.9255337	.0113656
#2	.9723007	.0584792	.0046445	-.002853	.0009138	.9062452	.0136222
#3	1.006251	.0584455	.0042038	-.001841	.0015906	.9107616	.0122934

Sample Name: Q1568-04 Acquired: 3/17/2025 16:30:36 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5557581	-.003390	.0778298
Stddev	.0046381	.000742	.0000870
%RSD	.8345579	21.88930	.1117651

#1	.5529769	-.003636	.0777597
#2	.5531850	-.003978	.0779272
#3	.5611124	-.002556	.0778026

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2799.806	62450.42	14378.31	1804.985	4077.164
Stddev	6.799	554.08	48.99	24.159	10.644
%RSD	.2428526	.8872288	.3407102	1.338441	.2610544

#1	2802.063	61816.06	14421.46	1777.226	4085.680
#2	2805.190	62695.57	14325.06	1821.260	4080.582
#3	2792.165	62839.64	14388.43	1816.467	4065.232

Sample Name: Q1568-04DUP Acquired: 3/17/2025 16:35:03 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002907	-.005065	.0133148	.0007508	-.001304	.0535159	.3430875
Stddev	.001163	.002637	.0014146	.0016229	.000886	.0016540	.0013558
%RSD	39.99251	52.05111	10.62391	216.1605	67.96025	3.090723	.3951855

#1	-.003841	-.002685	.0134671	.0018026	-.001735	.0546212	.3445839
#2	-.003275	-.004612	.0146470	-.001118	-.001891	.0543122	.3419406
#3	-.001605	-.007899	.0118303	.001568	-.000285	.0516144	.3427380

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000318	.0004492	18.58820	.0000698	.0016766	.0147895	.0274538
Stddev	.0000178	.0000940	.09570	.0004549	.0001444	.0002622	.0059926
%RSD	55.88907	20.92422	.5148616	651.6567	8.609807	1.772785	21.82795

#1	.0000516	.0004797	18.67452	-.000325	.0016840	.0150908	.0207530
#2	.0000175	.0005241	18.60481	-.000032	.0015288	.0146650	.0322994
#3	.0000261	.0003437	18.48528	.000567	.0018172	.0146128	.0293090

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3957643	2.215329	.0036836	.0003908	304.8836	.0012204	.1523863
Stddev	.0034685	.019836	.0000440	.0002493	1.5877	.0012104	.0009960
%RSD	.8763989	.8953934	1.195333	63.79902	.5207488	99.18255	.6535936

#1	.3995531	2.237745	.0036970	.0001588	303.0906	.0001544	.1516336
#2	.3949940	2.200049	.0037193	.0006545	306.1112	.0025362	.1535157
#3	.3927457	2.208192	.0036344	.0003591	305.4490	.0009706	.1520095

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9451180	.0581925	.0040603	-.001394	.0006976	.9023771	.0152700
Stddev	.0242076	.0004587	.0002033	.000792	.0007973	.0048148	.0012197
%RSD	2.561335	.7882341	5.006436	56.76425	114.2957	.5335684	7.987531

#1	.9181144	.0586850	.0040032	-.002183	.0006532	.8968188	.0150355
#2	.9523655	.0581149	.0038917	-.001399	-.000077	.9050531	.0141845
#3	.9648740	.0577775	.0042860	-.000600	.001516	.9052596	.0165899

Sample Name: Q1568-04DUP Acquired: 3/17/2025 16:35:03 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5528483	-.003947	.0780157
Stddev	.0022471	.001409	.0003202
%RSD	.4064634	35.70697	.4104748

#1	.5506068	-.002349	.0781278
#2	.5551010	-.005011	.0776545
#3	.5528370	-.004480	.0782649

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2798.237	62406.74	14363.52	1824.888	4062.085
Stddev	4.302	258.67	108.68	4.294	7.525
%RSD	.1537378	.4144829	.7566132	.2352868	.1852403

#1	2801.088	62607.07	14295.29	1827.034	4070.662
#2	2800.335	62114.72	14306.43	1819.944	4059.005
#3	2793.289	62498.43	14488.85	1827.685	4056.590

Sample Name: Q1568-04LX5 Acquired: 3/17/2025 16:39:28 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001341	-.001374	.0026348	-.000523	-.001148	.0102391	.0683045
Stddev	.001809	.000656	.0007868	.001301	.000576	.0030160	.0008168
%RSD	134.8830	47.76024	29.86405	248.8594	50.20391	29.45581	1.195850

#1	.000746	-.001971	.0025591	-.001563	-.000829	.0137018	.0679169
#2	-.002319	-.001480	.0034567	-.000940	-.001813	.0081855	.0692429
#3	-.002450	-.000672	.0018885	.000935	-.000801	.0088301	.0677535

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000160	.0001165	3.914859	-.000015	.0004779	.0028822	.0029051
Stddev	.0000110	.0000540	.013867	.000415	.0000925	.0004947	.0048703
%RSD	68.95914	46.35877	.3542135	2799.638	19.36202	17.16590	167.6498

#1	.0000116	.0001130	3.902802	-.000021	.0005688	.0023126	-.001620
#2	.0000286	.0000644	3.930012	.000403	.0004810	.0032054	.002275
#3	.0000079	.0001723	3.911763	-.000427	.0003838	.0031284	.008060

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0837717	.4767686	.0007800	.0001035	59.85925	.0006080	.0298353
Stddev	.0003180	.0091286	.0003323	.0003042	.17294	.0005614	.0005271
%RSD	.3795906	1.914679	42.60018	293.8866	.2889125	92.32786	1.766592

#1	.0835233	.4662874	.0008921	.0001927	59.93810	.0007251	.0298380
#2	.0836617	.4829786	.0010418	-.000235	59.97872	.0011016	.0303610
#3	.0841300	.4810399	.0004062	.000353	59.66094	-.000003	.0293069

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2959695	.0059173	.0004012	-.000187	.0008836	.1748130	.0003078
Stddev	.0199808	.0001846	.0002203	.000652	.0004657	.0064188	.0013861
%RSD	6.750976	3.119339	54.91749	348.1188	52.70222	3.671801	450.3399

#1	.2971768	.0061124	.0004477	.000181	.0004057	.1721813	.0014222
#2	.3153192	.0057454	.0005945	-.000940	.0013360	.1821294	-.001244
#3	.2754123	.0058941	.0001613	.000197	.0009090	.1701284	.000746

Sample Name: Q1568-04LX5 Acquired: 3/17/2025 16:39:28 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1007562	.0026144	.0160883
Stddev	.0020080	.0004038	.0001400
%RSD	1.992933	15.44518	.8699329
#1	.0999448	.0022899	.0160273
#2	.0992809	.0024867	.0162485
#3	.1030430	.0030666	.0159893

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2999.727	66401.58	14482.26	1932.946	4475.764
Stddev	6.516	129.76	25.85	11.520	13.893
%RSD	.2172114	.1954228	.1784859	.5959762	.3104078
#1	3000.623	66292.07	14512.07	1919.909	4473.478
#2	3005.749	66367.77	14468.66	1937.179	4490.659
#3	2992.810	66544.91	14466.06	1941.751	4463.156

Sample Name: Q1568-04MS Acquired: 3/17/2025 16:43:46 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8432797	1.958814	.9840438	2.037720	.8545638	2.028462	.5377212
Stddev	.0058282	.007599	.0051084	.008446	.0044987	.017103	.0021836
%RSD	.6911340	.3879326	.5191245	.4144686	.5264348	.8431487	.4060856

#1	.8498068	1.966964	.9890867	2.044063	.8551180	2.034480	.5354235
#2	.8385963	1.951924	.9788723	2.028133	.8498136	2.041742	.5397693
#3	.8414362	1.957553	.9841725	2.040964	.8587597	2.009163	.5379709

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1893243	.2004022	19.78045	.4250855	.2030170	.3179071	3.173070
Stddev	.0012283	.0008011	.09415	.0016097	.0007395	.0018645	.038756
%RSD	.6487835	.3997615	.4759655	.3786797	.3642593	.5864902	1.221398

#1	.1903402	.2010600	19.74705	.4262257	.2037944	.3196029	3.145742
#2	.1896736	.1995100	19.88674	.4232442	.2023224	.3159105	3.156044
#3	.1879592	.2006364	19.70755	.4257868	.2029342	.3182079	3.217425

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5807040	4.087400	.5023224	.0791781	308.8147	.2983494	.3619489
Stddev	.0036100	.017281	.0015497	.0003501	3.4439	.0016900	.0023247
%RSD	.6216623	.4227839	.3085177	.4421338	1.115193	.5664429	.6422717

#1	.5774970	4.073362	.5030945	.0795758	306.9172	.2974005	.3628493
#2	.5846137	4.106701	.5005383	.0790419	312.7900	.3003006	.3593087
#3	.5800012	4.082138	.5033345	.0789166	306.7369	.2973472	.3636888

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.39042	.3136634	.4430549	.7128495	.1970114	1.773948	6.417841
Stddev	.06510	.0031748	.0014789	.0013851	.0011238	.011736	.031647
%RSD	.5254105	1.012177	.3337865	.1943116	.5704208	.6615525	.4931041

#1	12.31674	.3154840	.4431861	.7143266	.1972291	1.764887	6.452660
#2	12.41436	.3155087	.4415148	.7115796	.1980104	1.769751	6.390827
#3	12.44016	.3099974	.4444638	.7126424	.1957946	1.787205	6.410038

Sample Name: Q1568-04MS Acquired: 3/17/2025 16:43:46 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5463123	.1988931	.2694813
Stddev	.0042592	.0003481	.0005431
%RSD	.7796220	.1750022	.2015232
#1	.5507673	.1984964	.2689777
#2	.5422805	.1991469	.2700567
#3	.5458890	.1990361	.2694094

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2803.040	61997.72	14257.00	1810.135	4051.349
Stddev	10.878	134.36	71.68	9.711	13.784
%RSD	.3880933	.2167113	.5027862	.5364881	.3402369
#1	2796.632	62120.38	14231.68	1804.853	4043.516
#2	2815.601	62018.67	14201.41	1821.342	4067.265
#3	2796.888	61854.12	14337.90	1804.210	4043.266

Sample Name: Q1568-04MSD Acquired: 3/17/2025 16:47:56 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8505241	1.935605	.9906690	2.064771	.8637862	2.049087	.5352262
Stddev	.0050433	.002436	.0015709	.004248	.0015762	.006757	.0030909
%RSD	.5929672	.1258705	.1585720	.2057184	.1824736	.3297724	.5775006

#1	.8447457	1.936290	.9891803	2.059932	.8624180	2.056861	.5369493
#2	.8540404	1.932899	.9923109	2.067882	.8655097	2.044621	.5370715
#3	.8527860	1.937625	.9905157	2.066499	.8634309	2.045778	.5316578

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1898895	.2022507	19.80588	.4293110	.2052258	.3207748	3.217032
Stddev	.0006690	.0000343	.04407	.0005292	.0002027	.0005306	.029733
%RSD	.3523225	.0169814	.2225139	.1232666	.0987549	.1654059	.9242509

#1	.1891170	.2022291	19.83825	.4297771	.2049952	.3212532	3.250346
#2	.1902750	.2022903	19.75569	.4287358	.2053759	.3202042	3.207564
#3	.1902765	.2022327	19.82369	.4294202	.2053062	.3208670	3.193185

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5806306	4.140404	.5057469	.0799947	311.9313	.3005691	.3668664
Stddev	.0016636	.016779	.0010235	.0004987	1.9206	.0030388	.0010946
%RSD	.2865191	.4052508	.2023701	.6233921	.6156989	1.011028	.2983752

#1	.5825088	4.130103	.5055752	.0803985	313.9071	.3040123	.3671752
#2	.5800405	4.131345	.5048202	.0794372	311.8158	.2982620	.3656505
#3	.5793424	4.159766	.5068454	.0801482	310.0712	.2994330	.3677735

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.52356	.3133639	.4471868	.7167592	.1954510	1.815836	6.403832
Stddev	.09614	.0012758	.0005644	.0024204	.0010742	.021009	.006196
%RSD	.7677095	.4071400	.1262196	.3376875	.5495899	1.157014	.0967520

#1	12.63359	.3120181	.4477690	.7150588	.1963824	1.840014	6.407049
#2	12.48137	.3145558	.4466420	.7156885	.1956945	1.805467	6.407758
#3	12.45572	.3135176	.4471494	.7195303	.1942759	1.802026	6.396690

Sample Name: Q1568-04MSD Acquired: 3/17/2025 16:47:56 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5476276	.1984711	.2684396
Stddev	.0044063	.0016262	.0016926
%RSD	.8046146	.8193858	.6305213
#1	.5435626	.2002217	.2695951
#2	.5523100	.1981843	.2692268
#3	.5470103	.1970074	.2664968

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2773.536	61068.38	14159.29	1780.827	4012.900
Stddev	1.515	181.81	24.10	7.442	5.265
%RSD	.0546273	.2977099	.1701805	.4179100	.1311977
#1	2774.742	60878.66	14184.13	1775.806	4014.328
#2	2771.835	61241.08	14157.71	1789.377	4007.069
#3	2774.032	61085.40	14136.02	1777.297	4017.304

Sample Name: Q1568-04A Acquired: 3/17/2025 16:52:06 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8364670	1.933282	.9815640	2.037317	.8518232	2.071268	.5337479
Stddev	.0096266	.020485	.0158560	.032008	.0116420	.004596	.0026193
%RSD	1.150866	1.059606	1.615382	1.571109	1.366715	.2219074	.4907381

#1	.8319175	1.922313	.9729780	2.022416	.8423320	2.068472	.5331849
#2	.8299583	1.920618	.9718525	2.015476	.8483241	2.068760	.5314558
#3	.8475251	1.956916	.9998614	2.074060	.8648134	2.076573	.5366028

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1954024	.2010927	19.88562	.4270743	.2045698	.3176198	3.158464
Stddev	.0013068	.0033509	.09018	.0022729	.0032615	.0053396	.027563
%RSD	.6687593	1.666348	.4534997	.5322075	1.594323	1.681128	.8726718

#1	.1948140	.1995202	19.89302	.4247364	.2026895	.3142747	3.154975
#2	.1944932	.1988172	19.79197	.4292761	.2026839	.3148069	3.187605
#3	.1968999	.2049406	19.97188	.4272105	.2083358	.3237777	3.132811

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5920249	4.169946	.5045335	.0788086	303.7517	.3019112	.3598831
Stddev	.0030709	.029772	.0085889	.0010028	.7651	.0017910	.0020471
%RSD	.5187040	.7139711	1.702345	1.272467	.2518793	.5932064	.5688235

#1	.5924025	4.140255	.5004596	.0776963	303.5312	.3034503	.3577054
#2	.5887827	4.169784	.4987397	.0796434	304.6028	.3023379	.3617680
#3	.5948894	4.199799	.5144013	.0790862	303.1211	.2999454	.3601759

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.15645	.3243502	.4474774	.7123062	.1970801	1.763873	6.331535
Stddev	.06756	.0022756	.0078643	.0128263	.0015512	.021508	.119887
%RSD	.5557144	.7015984	1.757480	1.800670	.7871048	1.219374	1.893483

#1	12.12583	.3237358	.4430867	.7048699	.1980932	1.748475	6.257430
#2	12.23389	.3224449	.4427888	.7049320	.1952943	1.788447	6.267324
#3	12.10962	.3268700	.4565567	.7271167	.1978529	1.754697	6.469850

Sample Name: Q1568-04A Acquired: 3/17/2025 16:52:06 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5395399	.2031307	.2672015
Stddev	.0093841	.0013720	.0010238
%RSD	1.739280	.6754357	.3831661
#1	.5363082	.2026773	.2674789
#2	.5321986	.2020428	.2660675
#3	.5501127	.2046720	.2680580

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2816.863	61767.38	13748.68	1816.379	4077.837
Stddev	39.099	203.30	98.00	3.703	55.668
%RSD	1.388044	.3291452	.7127748	.2038775	1.365127
#1	2839.626	61863.20	13756.04	1820.641	4106.055
#2	2839.248	61533.87	13842.79	1813.946	4113.745
#3	2771.716	61905.07	13647.21	1814.551	4013.711

Sample Name: PB167133TB Acquired: 3/17/2025 16:56:16 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002728	-.006331	.0010056	.0031663	.0006058	.0085408
Stddev	.002515	.001280	.0010400	.0002296	.0009615	.0018122
%RSD	92.19113	20.22373	103.4240	7.252006	158.7208	21.21794

#1	-.001466	-.006552	.0012177	.0029788	-.000393	.0105012
#2	-.005624	-.004954	.0019231	.0034224	.000684	.0069268
#3	-.001094	-.007486	-.000124	.0030976	.001526	.0081944

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003958	-.000098	-.000071	.0172866	.0004547	-.000289
Stddev	.000774	.000023	.000045	.0044005	.0000661	.000213
%RSD	19.54352	23.41158	63.18591	25.45593	14.53091	73.52342

#1	-.004480	-.000122	-.000020	.0154580	.0005299	-.000321
#2	-.004325	-.000077	-.000104	.0223065	.0004058	-.000484
#3	-.003070	-.000094	-.000089	.0140952	.0004284	-.000062

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001642	.0081429	.0025137	.0074769	.0011075	-.000018
Stddev	.0002229	.0042677	.0002028	.0006571	.0002028	.000397
%RSD	135.7623	52.41089	8.066566	8.788103	18.31370	2199.517

#1	.0001717	.0121013	.0027284	.0076936	.0010276	-.000379
#2	.0003832	.0087055	.0024872	.0079983	.0009568	.000408
#3	-.000062	.0036217	.0023254	.0067389	.0013381	-.000083

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 330.6930	.0013421	.0003643	.1021581	-.009735	-.000049
Stddev	1.5261	.0014074	.0003182	.0233426	.000512	.000111
%RSD	.4614864	104.8647	87.34703	22.84949	5.256580	227.1184

#1	330.4465	-.000132	.0003942	.0794914	-.009879	.000014
#2	329.3050	.002671	.0006666	.1008604	-.010159	-.000177
#3	332.3273	.001487	.0000322	.1261224	-.009167	.000016

Sample Name: PB167133TB Acquired: 3/17/2025 16:56:16 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000724	.0008113	.0055394	.0013593	.0087617	-.001029
Stddev	.000194	.0004720	.0064560	.0009526	.0010326	.001021
%RSD	26.80204	58.18111	116.5463	70.08072	11.78560	99.25336
#1	-.000546	.0005271	-.000486	.0002682	.0099375	-.001935
#2	-.000695	.0013561	.004751	.0017840	.0083455	.000078
#3	-.000931	.0005506	.012354	.0020257	.0080021	-.001230
Elem	Sr4077					
Units	ppm					
Avg	-.000063					
Stddev	.000041					
%RSD	65.98819					
#1	-.000027					
#2	-.000053					
#3	-.000108					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	2831.879	62863.69	14213.04	1854.434	4104.729	
Stddev	5.702	197.11	115.65	8.334	14.108	
%RSD	.2013557	.3135573	.8137173	.4494152	.3437120	
#1	2838.462	62636.30	14298.66	1846.680	4118.412	
#2	2828.696	62986.00	14259.00	1853.375	4105.546	
#3	2828.479	62968.77	14081.47	1863.247	4090.230	

Sample Name: PB167161BL Acquired: 3/17/2025 17:00:44 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004186	.0000303	-.000237	-.001266	-.001145	-.001152
Stddev	.0005765	.0013376	.000693	.001285	.002225	.001794
%RSD	137.7159	4406.946	292.7427	101.5300	194.3079	155.7062

#1	.0000022	.0007375	.000477	-.002723	-.002837	-.000956
#2	.0010765	-.001512	-.000906	-.000295	.001375	.000536
#3	.0001771	.000866	-.000281	-.000780	-.001974	-.003036

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002375	.0000645	-.000011	-.001066	.0004334	-.000060
Stddev	.000210	.0000194	.000009	.003425	.0002225	.000203
%RSD	8.853328	30.13560	78.60330	321.3823	51.32517	340.9838

#1	-.002282	.0000558	-.000005	.002887	.0004051	-.000032
#2	-.002616	.0000510	-.000022	-.002929	.0002265	-.000275
#3	-.002228	.0000868	-.000008	-.003155	.0006687	.000128

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001159	-.003366	.0021433	.0063108	.0001608	.0000063
Stddev	.0001234	.003164	.0002998	.0058994	.0003586	.0002095
%RSD	106.4650	94.02052	13.98905	93.48140	222.9954	3348.599

#1	.0001962	-.000824	.0020688	.0097582	.0000420	.0001588
#2	.0001777	-.006910	.0018877	-.000501	-.000123	-.000233
#3	-.000026	-.002364	.0024733	.009675	.000564	.000093

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3026121	.0008145	-.000940	.2073611	-.009710	-.000391
Stddev	.0197080	.0011315	.000105	.0239973	.000744	.000137
%RSD	6.512624	138.9301	11.17319	11.57269	7.664663	35.04143

#1	.3239706	.0020512	-.000850	.1809007	-.010566	-.000283
#2	.2987347	-.000169	-.001055	.2277154	-.009220	-.000545
#3	.2851310	.000561	-.000914	.2134671	-.009343	-.000345

Sample Name: PB167161BL Acquired: 3/17/2025 17:00:44 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001202	.0007572	-.004955	-.002066	F .0102017	.0045030
Stddev	.0005601	.0004481	.000937	.000835	.0028811	.0002180
%RSD	465.9757	59.16799	18.91905	40.41612	28.24141	4.841426
#1	-.000523	.0012603	-.004428	-.001225	.0117212	.0043579
#2	.000498	.0006101	-.004400	-.002079	.0120049	.0047537
#3	.000385	.0004012	-.006037	-.002894	.0068789	.0043974

Elem	Sr4077
Units	ppm
Avg	-.000208
Stddev	.000014
%RSD	6.613395
#1	-.000194
#2	-.000209
#3	-.000221

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3048.574	65767.12	14177.33	1963.826	4707.124
Stddev	7.061	473.75	75.27	6.870	16.267
%RSD	.2316124	.7203508	.5308919	.3498429	.3455788
#1	3041.485	65220.14	14156.39	1955.894	4689.096
#2	3048.630	66032.93	14260.85	1967.703	4711.573
#3	3055.607	66048.27	14114.75	1967.882	4720.704

Sample Name: CCV03 Acquired: 3/17/2025 17:05:04 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	5.324397	5.350509	5.198001	5.224400	5.368085	10.40666	9.781067
Stddev	.014779	.017284	.026479	.014237	.019497	.01605	.059901
%RSD	.2775678	.3230270	.5094020	.2725123	.3631930	.1542315	.6124166

#1	5.335612	5.369776	5.204830	5.229931	5.381596	10.39072	9.787352
#2	5.329930	5.345382	5.220396	5.235042	5.376925	10.40645	9.837577
#3	5.307651	5.336369	5.168777	5.208228	5.345734	10.42282	9.718271

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2601006	2.565295	25.14671	1.086163	2.543691	1.305804	5.129731
Stddev	.0001955	.012395	.01703	.006354	.011727	.003212	.050308
%RSD	.0751800	.4831885	.0677312	.5849853	.4610360	.2459412	.9807065

#1	.2601049	2.568131	25.13156	1.079702	2.547052	1.308298	5.076704
#2	.2599030	2.576026	25.14343	1.092404	2.553371	1.306933	5.176787
#3	.2602940	2.551727	25.16515	1.086384	2.530651	1.302180	5.135701

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.431216	25.55264	2.531378	1.331076	26.38475	2.564279	2.679943
Stddev	.005699	.04348	.012656	.008639	.18877	.002711	.013701
%RSD	.2344167	.1701651	.4999684	.6490203	.7154328	.1057070	.5112481

#1	2.428786	25.57557	2.534655	1.322225	26.18391	2.565222	2.671267
#2	2.437728	25.57985	2.542072	1.339486	26.55852	2.561223	2.695738
#3	2.427135	25.50249	2.517405	1.331518	26.41182	2.566393	2.672824

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.47598	5.168783	5.341741	5.180262	5.037402	5.403572	5.296167
Stddev	.18556	.003230	.016345	.027176	.009506	.039431	.026678
%RSD	.7283859	.0624875	.3059921	.5246026	.1887058	.7297171	.5037276

#1	25.26979	5.165188	5.351551	5.183277	5.026842	5.363247	5.305867
#2	25.62956	5.169721	5.350800	5.205804	5.045276	5.442043	5.316638
#3	25.52859	5.171440	5.322872	5.151704	5.040088	5.405427	5.265996

Sample Name: CCV03 Acquired: 3/17/2025 17:05:04 Type: Unk
 Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.045783	4.944138	4.973081
Stddev	.023186	.008042	.025696
%RSD	.4595077	.1626512	.5167012

#1	5.046571	4.934856	4.991096
#2	5.068565	4.949005	4.984491
#3	5.022213	4.948554	4.943656

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2915.210	62968.05	13388.18	1840.731	4235.810
Stddev	8.154	375.25	8.94	9.773	18.686
%RSD	.2797070	.5959450	.0667654	.5309417	.4411330

#1	2912.131	63297.99	13383.11	1847.233	4233.581
#2	2909.043	62559.83	13382.94	1829.492	4218.339
#3	2924.455	63046.33	13398.51	1845.469	4255.510

Sample Name: CCB03 Acquired: 3/17/2025 17:09:14 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	-.000538	-.001425	.0002480	-.002783	-.001684	-.001831	-.002895
Stddev	.000999	.000833	.0002811	.002724	.000437	.002010	.000186
%RSD	185.6093	58.44426	113.3270	97.86850	25.93683	109.7659	6.423587

#1	-.001209	-.000464	.0005716	-.002315	-.001292	-.003630	-.002837
#2	-.001017	-.001930	.0001075	-.000324	-.001607	-.002202	-.002745
#3	.000610	-.001880	.0000649	-.005711	-.002155	.000338	-.003103

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000379	-.000013	.0003921	.0001848	.0000670	-.000133	-.003765
Stddev	.0000144	.000015	.0077389	.0004042	.0002831	.000230	.002231
%RSD	37.98280	117.1345	1973.550	218.7422	422.5397	173.1409	59.26828

#1	.0000545	.000000	.0093106	.0002474	.0002566	-.000264	-.003245
#2	.0000302	-.000029	-.003581	-.000247	-.000258	.000133	-.001839
#3	.0000290	-.000010	-.004554	.000554	.000203	-.000267	-.006210

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024328	.0095653	.0002869	.0004043	.1196712	.0002350	-.001044
Stddev	.0002986	.0103219	.0000480	.0001571	.0046507	.0001606	.000395
%RSD	12.27468	107.9095	16.71493	38.84075	3.886258	68.31803	37.81232

#1	.0027086	-.001697	.0002527	.0005374	.1239576	.0003964	-.001137
#2	.0021157	.011817	.0003417	.0002311	.1203296	.0002334	-.000611
#3	.0024740	.018575	.0002663	.0004446	.1147263	.0000753	-.001385

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0724705	-.002377	-.000138	-.000183	.0007680	-.000686	-.003646
Stddev	.0254872	.000669	.000041	.001002	.0002211	.005273	.000719
%RSD	35.16906	28.13181	29.99877	547.4690	28.79371	768.2668	19.72480

#1	.0921894	-.003122	-.000140	.000934	.0010095	-.001262	-.003720
#2	.0815313	-.001830	-.000178	-.001005	.0007187	-.005648	-.002893
#3	.0436909	-.002178	-.000096	-.000478	.0005756	.004851	-.004326

Sample Name: CCB03 Acquired: 3/17/2025 17:09:14 Type: Unk
 Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: CCB03 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.007531	.0014966	-.000158
Stddev	.003112	.0013448	.000068
%RSD	41.32716	89.85663	43.34087
#1	-.009149	.0004116	-.000084
#2	-.009500	.0010770	-.000170
#3	-.003943	.0030011	-.000218

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3039.256	64777.80	14374.46	1913.967	4712.958
Stddev	8.318	61.50	56.85	19.382	9.803
%RSD	.2736811	.0949382	.3954988	1.012685	.2079998
#1	3030.453	64732.10	14415.20	1891.704	4702.078
#2	3040.329	64847.72	14309.52	1923.111	4715.695
#3	3046.985	64753.58	14398.68	1927.086	4721.102

Sample Name: PB167161BS Acquired: 3/17/2025 17:13:34 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7703596	1.937633	.9337871	1.910582	.7934661	1.887097
Stddev	.0024121	.017552	.0041625	.003247	.0007454	.002489
%RSD	.3131156	.9058654	.4457628	.1699547	.0939410	.1318914

#1	.7697035	1.923190	.9361507	1.914112	.7936107	1.889755
#2	.7730318	1.932540	.9289809	1.907723	.7926590	1.884821
#3	.7683433	1.957168	.9362296	1.909911	.7941286	1.886715

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1737552	.1929375	.1865013	.9651342	.4015509	.1877360
Stddev	.0016458	.0000567	.0006339	.0099376	.0015336	.0005172
%RSD	.9471744	.0293665	.3399183	1.029657	.3819175	.2754991

#1	.1721275	.1928902	.1863031	.9712761	.4026350	.1878313
#2	.1737196	.1929220	.1859902	.9536690	.3997962	.1871778
#3	.1754185	.1930003	.1872107	.9704575	.4022214	.1881989

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3005603	2.894468	.1869036	1.874319	.4701042	.0751500
Stddev	.0011030	.003269	.0002742	.018024	.0017890	.0002142
%RSD	.3669845	.1129409	.1467189	.9616128	.3805457	.2850848

#1	.3000385	2.898193	.1866067	1.860605	.4689163	.0752935
#2	.2998150	2.893135	.1869564	1.867618	.4692346	.0749038
#3	.3018274	2.892076	.1871475	1.894733	.4721618	.0752528

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.996986	.2811891	.2007513	9.135531	.2724205	.3991320
Stddev	.004260	.0016765	.0019236	.015786	.0009436	.0010877
%RSD	.1421274	.5962133	.9581852	.1728032	.3463770	.2725243

#1	3.001369	.2822713	.2026558	9.149241	.2717995	.3985131
#2	2.996727	.2820381	.2007888	9.118272	.2735064	.3984949
#3	2.992862	.2792580	.1988092	9.139081	.2719557	.4003879

Sample Name: PB167161BS Acquired: 3/17/2025 17:13:34 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6647435	.1838949	.7712507	5.642666	F -.010521	.1860806
Stddev	.0033831	.0004550	.0065509	.028073	.002787	.0005308
%RSD	.5089352	.2474076	.8493820	.4975177	26.49369	.2852535

#1	.6642304	.1839598	.7752168	5.615072	-.012092	.1866488
#2	.6616462	.1843139	.7748460	5.641732	-.007302	.1855974
#3	.6683538	.1834109	.7636895	5.671195	-.012168	.1859958

Elem	Sr4077
Units	ppm
Avg	.1778751
Stddev	.0003280
%RSD	.1844111

#1	.1780675
#2	.1774964
#3	.1780614

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3015.423	65137.94	13882.84	1943.396	4563.788
Stddev	5.496	62.42	26.93	5.172	12.284
%RSD	.1822489	.0958320	.1939664	.2661094	.2691526

#1	3018.702	65106.14	13881.30	1938.566	4566.323
#2	3018.489	65209.86	13910.51	1942.770	4574.606
#3	3009.079	65097.82	13856.72	1948.852	4550.435

Sample Name: Q1566-01 Acquired: 3/17/2025 17:17:36 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0420432	-.003063	.4066537	.0069818	-.009450	115.9172	.6030624
Stddev	.0015449	.001504	.0013713	.0042840	.000736	.3536	.0014228
%RSD	3.674528	49.12161	.3372036	61.35980	7.787620	.3050157	.2359351

#1	.0402747	-.001340	.4068229	.0025306	-.009674	116.3254	.6047007
#2	.0431298	-.003732	.4052056	.0110764	-.010048	115.7111	.6021364
#3	.0427252	-.004116	.4079325	.0073385	-.008628	115.7150	.6023501

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070985	-.007462	49.17354	.1689766	.1092862	.2954106	229.6143
Stddev	.0001028	.000074	.13558	.0010945	.0008235	.0007837	.9834
%RSD	1.448315	.9974452	.2757144	.6476958	.7535494	.2652775	.4282630

#1	.0070674	-.007545	49.30917	.1690305	.1099487	.2958799	229.9654
#2	.0070148	-.007440	49.03801	.1678562	.1095457	.2958461	230.3739
#3	.0072132	-.007402	49.17343	.1700431	.1083642	.2945060	228.5035

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.932296	44.02702	.1847009	-.002875	10.45050	.3555953	.5242888
Stddev	.014455	.17074	.0004138	.000129	.07337	.0005965	.0021975
%RSD	.3675928	.3878107	.2240335	4.486712	.7020667	.1677496	.4191438

#1	3.948983	44.21521	.1849617	-.002727	10.45424	.3562810	.5256817
#2	3.924276	43.88202	.1849171	-.002960	10.52192	.3551964	.5254291
#3	3.923629	43.98384	.1842238	-.002939	10.37533	.3553085	.5217555

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.496714	-.335522	.0054379	.0083936	3.648634	6.048910	6.752519
Stddev	.038848	.003355	.0002843	.0002965	.007224	.028610	.023177
%RSD	.4090668	1.000077	5.227163	3.531808	.1980042	.4729840	.3432355

#1	9.509244	-.338890	.0051099	.0082449	3.656941	6.071701	6.769099
#2	9.527752	-.332179	.0055921	.0087350	3.643821	6.058227	6.762423
#3	9.453148	-.335497	.0056117	.0082010	3.645139	6.016803	6.726036

Sample Name: Q1566-01 Acquired: 3/17/2025 17:17:36 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.466897	.2013795	-.000071
Stddev	.010771	.0005471	.000328
%RSD	.4366175	.2716902	464.2724

#1	2.474415	.2018932	.000079
#2	2.471718	.2008041	-.000447
#3	2.454558	.2014412	.000156

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3401.321	73401.05	16765.17	2194.150	4152.632
Stddev	4.488	185.16	123.80	8.036	11.153
%RSD	.1319577	.2522537	.7384342	.3662268	.2685852

#1	3403.543	73259.49	16699.97	2188.221	4148.902
#2	3396.155	73610.58	16907.95	2190.934	4143.821
#3	3404.265	73333.07	16687.61	2203.296	4165.172

Sample Name: Q1568-01 Acquired: 3/17/2025 17:21:40 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0351713	.0003360	.6743314	.0062977	-.006817	82.45089	.5685116
Stddev	.0025576	.0001830	.0007642	.0051277	.000488	.05182	.0021396
%RSD	7.271788	54.47270	.1133320	81.42041	7.155305	.0628455	.3763565

#1	.0377739	.0002510	.6736991	.0006839	-.006851	82.50616	.5699511
#2	.0350787	.0002109	.6741144	.0074748	-.007286	82.44310	.5695309
#3	.0326613	.0005460	.6751807	.0107345	-.006313	82.40340	.5660529

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058307	-.006383	34.26555	.1958819	.0854451	.3201008	181.0884
Stddev	.0000860	.000098	.05046	.0003642	.0002941	.0008016	.2914
%RSD	1.474410	1.532371	.1472651	.1859258	.3441435	.2504338	.1609133

#1	.0058538	-.006482	34.29788	.1955071	.0853660	.3199106	181.4206
#2	.0059027	-.006380	34.29137	.1962345	.0857706	.3194114	180.9683
#3	.0057355	-.006287	34.20741	.1959040	.0851987	.3209805	180.8763

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.535883	35.59984	.1710490	-.001771	8.661888	.2669389	.6713148
Stddev	.004614	.09769	.0003089	.000512	.027311	.0026132	.0039446
%RSD	.1819628	.2744128	.1805882	28.90181	.3152977	.9789387	.5875956

#1	2.537528	35.49098	.1713947	-.001222	8.691523	.2672144	.6667969
#2	2.539449	35.62865	.1709519	-.001857	8.637731	.2641989	.6740751
#3	2.530671	35.67988	.1708003	-.002235	8.656410	.2694034	.6730723

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.873547	-.358417	.0037379	.0249515	2.793385	5.336167	4.084682
Stddev	.009250	.004669	.0001429	.0002914	.011743	.030135	.005515
%RSD	.1345803	1.302599	3.822316	1.167812	.4204021	.5647292	.1350051

#1	6.876987	-.353582	.0038209	.0252873	2.798962	5.339700	4.089032
#2	6.880585	-.362900	.0038198	.0248030	2.801301	5.304421	4.086533
#3	6.863070	-.358770	.0035729	.0247643	2.779893	5.364379	4.078480

Sample Name: Q1568-01 Acquired: 3/17/2025 17:21:40 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.993000	.1816445	-.019769
Stddev	.002326	.0013629	.000270
%RSD	.1167229	.7502946	1.364282
#1	1.990359	.1807408	-.019573
#2	1.993894	.1832121	-.019656
#3	1.994746	.1809806	-.020076

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3199.939	71095.22	15972.14	2095.385	4209.005
Stddev	9.201	214.76	79.63	5.816	4.534
%RSD	.2875468	.3020700	.4985324	.2775777	.1077111
#1	3201.890	71326.68	16050.05	2101.772	4209.326
#2	3208.009	70902.41	15890.90	2090.393	4213.370
#3	3189.919	71056.56	15975.49	2093.990	4204.319

Sample Name: Q1568-01DUP Acquired: 3/17/2025 17:25:44 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0351542	.0005346	.6671747	.0060592	-.008317	83.70838	.5604308
Stddev	.0017957	.0025506	.0050143	.0027067	.003685	.25233	.0028503
%RSD	5.108187	477.0926	.7515756	44.67074	44.31136	.3014400	.5085895

#1	.0335967	.0011177	.6636723	.0044178	-.004111	83.41983	.5571947
#2	.0371185	-.002257	.6649330	.0045766	-.009857	83.88763	.5615296
#3	.0347475	.002743	.6729188	.0091833	-.010982	83.81769	.5625682

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058717	-.006030	34.49115	.1980154	.0854833	.3155261	180.5521
Stddev	.0000223	.000725	.06137	.0044852	.0004688	.0028906	3.7957
%RSD	.3793725	12.01905	.1779156	2.265092	.5483888	.9161283	2.102251

#1	.0058665	-.005482	34.42136	.1945355	.0852095	.3166345	177.7292
#2	.0058525	-.006852	34.51544	.2030772	.0860246	.3122453	184.8671
#3	.0058961	-.005757	34.53666	.1964333	.0852159	.3176985	179.0601

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.516826	36.08203	.1704448	-.001813	8.647313	.2688735	.6714769
Stddev	.010355	.06463	.0003545	.000292	.199858	.0024103	.0106522
%RSD	.4114416	.1791067	.2079993	16.08835	2.311216	.8964572	1.586382

#1	2.506709	36.01473	.1708523	-.001553	8.501223	.2661504	.6625838
#2	2.516364	36.14361	.1702071	-.002128	8.875073	.2697369	.6832824
#3	2.527404	36.08775	.1702750	-.001757	8.565644	.2707332	.6685646

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.835604	-.372770	.0038902	.0244292	2.926485	8.055892	3.989095
Stddev	.147489	.003319	.0001220	.0010179	.007822	.208680	.016717
%RSD	2.157654	.8904041	3.136779	4.166709	.2672664	2.590408	.4190685

#1	6.721771	-.371493	.0039617	.0237129	2.917488	7.906548	3.978444
#2	7.002222	-.370279	.0039596	.0239803	2.930308	8.294331	3.980478
#3	6.782819	-.376538	.0037493	.0255944	2.931660	7.966795	4.008362

Sample Name: Q1568-01DUP Acquired: 3/17/2025 17:25:44 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.958987	.1818726	-.020223
Stddev	.017906	.0024941	.003141
%RSD	.9140355	1.371359	15.53409
#1	1.957499	.1805984	-.018214
#2	1.941872	.1847464	-.023843
#3	1.977590	.1802729	-.018611

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3236.991	71352.90	15962.39	2086.611	4280.235
Stddev	9.520	1275.72	59.34	35.847	9.829
%RSD	.2941035	1.787897	.3717330	1.717977	.2296462
#1	3234.152	72322.05	15954.90	2119.252	4283.248
#2	3247.608	69907.59	16025.12	2048.246	4288.206
#3	3229.214	71829.07	15907.15	2092.336	4269.252

Sample Name: Q1568-01LX5 Acquired: 3/17/2025 17:29:49 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078650	-.000030	.1383895	.0027506	-.003597	18.21194	.1212355
Stddev	.0008527	.002683	.0019052	.0008032	.000416	.01135	.0009076
%RSD	10.84237	8992.191	1.376713	29.20028	11.56836	.0622986	.7485804

#1	.0083877	.000848	.1384930	.0027185	-.003150	18.19922	.1219782
#2	.0083264	-.003042	.1364346	.0035693	-.003973	18.21559	.1215045
#3	.0068810	.002105	.1402408	.0019639	-.003668	18.22102	.1202239

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013977	-.002109	7.719800	.0436394	.0174883	.0720156	39.44792
Stddev	.0000523	.000098	.013752	.0003948	.0002378	.0008802	.16120
%RSD	3.740173	4.657731	.1781386	.9048013	1.359629	1.222212	.4086351

#1	.0014147	-.002017	7.712151	.0438015	.0177209	.0718334	39.26262
#2	.0013391	-.002213	7.735676	.0431893	.0172456	.0712408	39.52532
#3	.0014394	-.002096	7.711574	.0439274	.0174984	.0729727	39.55582

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5694746	7.931485	.0347386	-.000357	1.877158	.0617371	.1465021
Stddev	.0012350	.026002	.0004728	.000143	.010462	.0001008	.0004507
%RSD	.2168592	.3278289	1.361109	39.99289	.5573069	.1632994	.3076563

#1	.5685280	7.955046	.0350853	-.000451	1.868733	.0617151	.1468006
#2	.5690242	7.903588	.0342000	-.000193	1.888868	.0618471	.1467220
#3	.5708715	7.935820	.0349304	-.000428	1.873874	.0616491	.1459836

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.455023	-.088006	.0003015	.0036430	.6547860	1.776720	.8028373
Stddev	.022503	.000772	.0000966	.0002670	.0030001	.022260	.0039861
%RSD	1.546561	.8768450	32.02551	7.329623	.4581805	1.252898	.4965060

#1	1.429102	-.088782	.0002092	.0037265	.6580593	1.802138	.8024242
#2	1.466423	-.087238	.0004018	.0033442	.6541315	1.767325	.7990737
#3	1.469546	-.087998	.0002934	.0038583	.6521671	1.760697	.8070139

Sample Name: Q1568-01LX5 Acquired: 3/17/2025 17:29:49 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3813726	.0393851	-.003761
Stddev	.0027747	.0006109	.000107
%RSD	.7275612	1.551172	2.834082
#1	.3789578	.0389074	-.003658
#2	.3844036	.0400735	-.003755
#3	.3807563	.0391744	-.003871

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3083.247	67703.12	14842.62	2002.244	4522.290
Stddev	7.029	29.47	21.10	5.594	11.244
%RSD	.2279820	.0435231	.1421604	.2793890	.2486437
#1	3079.638	67684.38	14826.63	2005.930	4514.666
#2	3091.348	67737.08	14866.53	1995.807	4535.204
#3	3078.756	67687.90	14834.69	2004.994	4517.000

Sample Name: Q1568-01MS Acquired: 3/17/2025 17:34:02 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6974320	1.858944	1.490122	1.575285	.3286679	100.6917
Stddev	.0040406	.003740	.005031	.003983	.0017679	.4615
%RSD	.5793609	.2011768	.3376437	.2528413	.5378922	.4583449

#1	.6927910	1.856125	1.488402	1.571174	.3277247	100.7106
#2	.7001679	1.857519	1.495788	1.579126	.3307074	101.1434
#3	.6993371	1.863186	1.486176	1.575554	.3275717	100.2210

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8154636	.1696809	.1792846	30.10929	.5714922	.2755519
Stddev	.0059345	.0011961	.0004516	.15182	.0008464	.0006223
%RSD	.7277501	.7049073	.2518930	.5042463	.1481079	.2258449

#1	.8158496	.1694916	.1790432	30.12331	.5721169	.2753457
#2	.8211957	.1709603	.1798056	30.25362	.5718308	.2762512
#3	.8093455	.1685907	.1790049	29.95094	.5705289	.2750589

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5709076	177.9437	2.675732	36.62219	.6341198	.0639957
Stddev	.0006189	.8909	.018902	.16016	.0004362	.0005504
%RSD	.1084002	.5006460	.7064142	.4373412	.0687860	.8601095

#1	.5702928	178.7673	2.683504	36.75322	.6342390	.0645681
#2	.5715305	178.0657	2.689508	36.66970	.6344839	.0634702
#3	.5708996	176.9981	2.654183	36.44364	.6336364	.0639490

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.08526	.5231208	.8559782	16.25400	-.186307	.3487190
Stddev	.03606	.0023068	.0047274	.05241	.001133	.0011993
%RSD	.3253005	.4409635	.5522809	.3224734	.6081459	.3439037

#1	11.11142	.5243601	.8505782	16.29883	-.185082	.3481816
#2	11.10023	.5245430	.8593698	16.26679	-.187317	.3500930
#3	11.04413	.5204593	.8579866	16.19637	-.186520	.3478825

Sample Name: Q1568-01MS Acquired: 3/17/2025 17:34:02 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6528266	2.803394	6.514628	F 10.28959	1.911377	.3702158
Stddev	.0004708	.018996	.014322	.01777	.014666	.0013174
%RSD	.0721174	.6776029	.2198447	.1726551	.7672911	.3558427
#1	.6526309	2.807077	6.502317	10.27597	1.917098	.3710407
#2	.6533636	2.820278	6.511220	10.30968	1.922321	.3709103
#3	.6524851	2.782826	6.530346	10.28312	1.894713	.3686965

Elem	Sr4077
Units	ppm
Avg	.1433320
Stddev	.0014941
%RSD	1.042399
#1	.1432615
#2	.1448601
#3	.1418744

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3275.778	73450.02	15832.48	2144.552	4255.959
Stddev	4.628	134.97	67.03	7.847	2.768
%RSD	.1412844	.1837540	.4233726	.3658859	.0650283
#1	3281.065	73348.66	15829.20	2153.302	4252.851
#2	3273.807	73398.18	15767.15	2138.140	4256.868
#3	3272.461	73603.22	15901.09	2142.213	4258.158

Sample Name: Q1568-01MSD Acquired: 3/17/2025 17:38:02 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6971753	1.866962	1.488651	1.560146	.3261107	100.5648
Stddev	.0047694	.007668	.003303	.003494	.0026851	.3904
%RSD	.6840958	.4107355	.2218674	.2239541	.8233752	.3881688

#1	.7026551	1.871692	1.492057	1.563959	.3237167	100.7700
#2	.6939609	1.871079	1.485462	1.557099	.3290140	100.8098
#3	.6949097	1.858114	1.488433	1.559379	.3256015	100.1146

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8004413	.1718337	.1773359	29.99458	.5816018	.2742787
Stddev	.0039028	.0010482	.0006154	.20071	.0003680	.0010109
%RSD	.4875862	.6100280	.3470339	.6691629	.0632800	.3685701

#1	.8027499	.1716948	.1780464	30.10512	.5819807	.2752680
#2	.8026389	.1729444	.1769900	30.11571	.5815790	.2743207
#3	.7959352	.1708618	.1769712	29.76289	.5812456	.2732475

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5660537	182.8092	2.638891	36.71370	.6302078	.0659175
Stddev	.0017536	.3477	.016028	.26312	.0031902	.0001540
%RSD	.3097856	.1902225	.6073782	.7166880	.5062171	.2335436

#1	.5668169	183.0927	2.647342	36.86856	.6336774	.0658611
#2	.5672963	182.4212	2.648925	36.86265	.6295450	.0660917
#3	.5640479	182.9137	2.620406	36.40989	.6274011	.0657998

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.41450	.5178558	.8721805	16.61615	-.171688	.3467533
Stddev	.02883	.0031134	.0034605	.06243	.002610	.0010557
%RSD	.2525872	.6012109	.3967592	.3757117	1.520024	.3044443

#1	11.39670	.5192573	.8681848	16.59094	-.171521	.3478006
#2	11.39904	.5200221	.8741568	16.57027	-.174377	.3467697
#3	11.44777	.5142880	.8741999	16.68725	-.169165	.3456895

Sample Name: Q1568-01MSD Acquired: 3/17/2025 17:38:02 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6527385	2.793983	6.992180	F 10.30506	1.896439	.3690128
Stddev	.0024606	.015388	.008135	.03044	.006856	.0017459
%RSD	.3769594	.5507433	.1163503	.2953458	.3615428	.4731336
#1	.6544547	2.804305	6.989545	10.33465	1.902635	.3701006
#2	.6538414	2.801347	6.985688	10.30669	1.897609	.3699388
#3	.6499195	2.776297	7.001306	10.27384	1.889072	.3669989

Elem	Sr4077
Units	ppm
Avg	.1345756
Stddev	.0016227
%RSD	1.205803
#1	.1354170
#2	.1356047
#3	.1327049

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3274.244	70213.20	15700.65	2079.861	4261.365
Stddev	8.727	41.31	110.37	3.113	11.543
%RSD	.2665443	.0588306	.7029651	.1496526	.2708656
#1	3266.499	70257.57	15662.55	2083.174	4249.298
#2	3272.532	70175.85	15614.37	2079.412	4262.499
#3	3283.700	70206.19	15825.02	2076.998	4272.299

Sample Name: Q1568-01A Acquired: 3/17/2025 17:43:13 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7355313	1.875733	1.570759	1.684914	.7203166	84.88710	.7138255
Stddev	.0013423	.010935	.003209	.009930	.0049974	.23159	.0039604
%RSD	.1824919	.5829912	.2043057	.5893333	.6937817	.2728224	.5548105

#1	.7370100	1.875381	1.567111	1.675665	.7220812	84.96732	.7147460
#2	.7351943	1.864978	1.573148	1.683670	.7146762	85.06791	.7172445
#3	.7343897	1.886840	1.572018	1.695407	.7241923	84.62606	.7094859

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1720064	.1781309	34.96958	.5569954	.2721364	.5676935	183.1077
Stddev	.0006378	.0005955	.13908	.0020664	.0008521	.0022368	.8695
%RSD	.3707812	.3343199	.3977270	.3709915	.3131309	.3940203	.4748679

#1	.1727403	.1777102	35.00138	.5590010	.2717335	.5663225	182.7927
#2	.1716911	.1778703	35.09000	.5571121	.2715604	.5664832	184.0908
#3	.1715876	.1788123	34.81735	.5548731	.2731152	.5702747	182.4395

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.645116	37.57987	.6306072	.0673871	11.37039	.5149136	.8468893
Stddev	.010263	.10652	.0023487	.0003893	.02138	.0026636	.0045656
%RSD	.3880040	.2834431	.3724526	.5777566	.1879988	.5172975	.5390972

#1	2.644647	37.55701	.6282251	.0672022	11.35737	.5163334	.8479760
#2	2.655606	37.69596	.6306757	.0671246	11.39506	.5165667	.8508135
#3	2.635095	37.48664	.6329210	.0678344	11.35874	.5118409	.8418785

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.87420	-.135113	.3699892	.6935312	3.099885	9.827392	9.798592
Stddev	.07633	.001627	.0020934	.0019642	.009244	.029423	.042144
%RSD	.4808141	1.204410	.5657896	.2832185	.2981903	.2994009	.4301044

#1	15.88310	-.135891	.3689851	.6920244	3.104213	9.855168	9.760502
#2	15.94569	-.133243	.3685871	.6928165	3.106172	9.830448	9.791408
#3	15.79382	-.136205	.3723955	.6957527	3.089272	9.796560	9.843867

Sample Name: Q1568-01A Acquired: 3/17/2025 17:43:13 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.938694	.3484206	.1393643
Stddev	.001362	.0018552	.0010167
%RSD	.0702653	.5324575	.7294915

#1	1.938137	.3488216	.1402869
#2	1.937699	.3500425	.1395317
#3	1.940247	.3463977	.1382744

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3192.926	69132.51	15617.61	2043.309	4214.097
Stddev	12.888	165.24	63.56	9.478	13.879
%RSD	.4036547	.2390236	.4069741	.4638746	.3293525

#1	3203.815	69031.80	15550.71	2045.981	4228.435
#2	3196.268	69042.51	15624.93	2032.782	4213.128
#3	3178.696	69323.21	15677.19	2051.165	4200.727

Sample Name: CCV04 Acquired: 3/17/2025 17:51:24 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	5.016624	4.970539	4.865928	4.902508	5.068887	9.643414	9.269805
Stddev	.008586	.022204	.017861	.006361	.017267	.024028	.184124
%RSD	.1711586	.4467077	.3670679	.1297406	.3406448	.2491631	1.986276

#1	5.007332	4.970771	4.853959	4.897852	5.057179	9.647315	9.466245
#2	5.018276	4.948221	4.857366	4.899917	5.060765	9.665252	9.101157
#3	5.024265	4.992627	4.886458	4.909755	5.088717	9.617674	9.242013

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2383630	2.393577	23.58041	1.012390	2.373173	1.228430	4.876901
Stddev	.0017919	.009786	.04944	.002124	.009728	.003327	.053880
%RSD	.7517380	.4088441	.2096706	.2097708	.4098961	.2707964	1.104804

#1	.2375056	2.387957	23.53300	1.011393	2.368832	1.225543	4.887200
#2	.2371610	2.387897	23.63166	1.014829	2.366371	1.227680	4.924889
#3	.2404225	2.404877	23.57657	1.010949	2.384315	1.232068	4.818615

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.268709	23.60608	2.356192	1.244403	25.03249	2.396676	2.510690
Stddev	.008925	.01632	.010598	.000690	.25502	.001516	.011719
%RSD	.3933775	.0691483	.4497831	.0554601	1.018774	.0632577	.4667594

#1	2.264220	23.58879	2.350824	1.244802	25.14665	2.398127	2.519258
#2	2.278987	23.60821	2.349353	1.243606	25.21050	2.396797	2.515475
#3	2.262921	23.62123	2.368400	1.244801	24.74033	2.395103	2.497335

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.25270	4.750723	5.023224	4.830543	4.724784	5.135838	4.936373
Stddev	.24657	.034529	.015994	.022632	.018668	.042424	.010934
%RSD	1.016670	.7268243	.3184031	.4685174	.3951180	.8260467	.2214994

#1	24.33637	4.726746	5.011919	4.821110	4.716981	5.117389	4.928960
#2	24.44654	4.735125	5.016229	4.814154	4.746089	5.184364	4.931227
#3	23.97518	4.790300	5.041524	4.856366	4.711284	5.105762	4.948930

Sample Name: CCV04 Acquired: 3/17/2025 17:51:24 Type: Unk
 Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.693390	4.564066	4.702935
Stddev	.012340	.026424	.030555
%RSD	.2629171	.5789671	.6496988
#1	4.692507	4.571694	4.671896
#2	4.681516	4.585837	4.703927
#3	4.706148	4.534667	4.732982

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2942.213	63979.41	13879.17	1874.230	4307.864
Stddev	4.984	127.66	70.89	6.989	9.247
%RSD	.1694044	.1995297	.5107914	.3728982	.2146638
#1	2947.281	63900.80	13918.45	1868.793	4311.780
#2	2942.041	63910.74	13921.72	1871.783	4314.508
#3	2937.317	64126.71	13797.33	1882.113	4297.302

Sample Name: CCB04 Acquired: 3/17/2025 17:55:35 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	-.001123	-.001303	-.000160	-.000246	.0001322	-.006670	-.003768
Stddev	.002485	.001208	.000668	.002833	.0019729	.003644	.000400
%RSD	221.2154	92.77927	418.3204	1150.179	1492.112	54.63437	10.60337

#1	-.000167	-.000109	.000611	.002980	-.001346	-.008739	-.003575
#2	.000742	-.001273	-.000577	-.002329	-.000630	-.002462	-.004227
#3	-.003944	-.002525	-.000513	-.001389	.002372	-.008808	-.003501

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000542	.0000172	.0005364	.0004550	.0000788	.0000837	-.002887
Stddev	.0000162	.0000879	.0066342	.0001410	.0001151	.0002951	.004763
%RSD	29.88379	512.0276	1236.854	30.98544	146.0478	352.4909	164.9795

#1	.0000640	-.000079	-.006878	.0005456	.0000505	-.000235	-.006595
#2	.0000632	.000094	.005912	.0002926	.0002054	.000137	-.004551
#3	.0000355	.000036	.002575	.0005269	-.000019	.000348	.002485

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022479	-.004746	.0000038	.0003409	.0874713	.0005435	-.001026
Stddev	.0003511	.006597	.0000746	.0000737	.0054913	.0007998	.000229
%RSD	15.62038	139.0005	1945.004	21.62434	6.277824	147.1557	22.29349

#1	.0026097	-.010345	.0000070	.0002558	.0934158	.0007039	-.001289
#2	.0019085	-.006421	-.000072	.0003844	.0864101	-.000324	-.000872
#3	.0022254	.002527	.000077	.0003825	.0825881	.001251	-.000918

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1048928	-.003039	-.000044	.0004682	.0001890	.0021598	-.004480
Stddev	.0217063	.000642	.000148	.0002669	.0002045	.0062842	.002072
%RSD	20.69380	21.13402	339.6192	57.00936	108.1804	290.9594	46.25552

#1	.0866420	-.002381	.000075	.0004411	.0002725	-.000807	-.005080
#2	.1288958	-.003664	.000003	.0007476	.0003387	.009378	-.006185
#3	.0991404	-.003073	-.000210	.0002158	-.000044	-.002091	-.002173

Sample Name: CCB04 Acquired: 3/17/2025 17:55:35 Type: Unk
 Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: CCB04 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.009792	.0007442	-.000122
Stddev	.002178	.0008803	.000072
%RSD	22.24657	118.2779	59.45099
#1	-.012303	.0017444	-.000194
#2	-.008665	.0000872	-.000049
#3	-.008408	.0004011	-.000122

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3075.577	65706.96	14460.97	1961.945	4744.733
Stddev	2.719	167.97	49.16	9.436	7.110
%RSD	.0884106	.2556289	.3399785	.4809307	.1498485
#1	3078.390	65520.16	14456.06	1953.110	4751.759
#2	3072.963	65845.54	14414.45	1960.840	4744.898
#3	3075.378	65755.19	14512.41	1971.884	4737.542

Sample Name: LR1 Acquired: 3/17/2025 17:59:43 Type: Unk
Method: NON EPA-6010-200.7(v2815) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0375926	.0732203	.0218873	.0112045	-.022674	2102.927	.0151047
Stddev	.0107922	.0073760	.0061524	.0082379	.008962	9.526	.0016176
%RSD	28.70843	10.07374	28.10949	73.52331	39.52547	.4529929	10.70947

#1	.0274799	.0648594	.0201536	.0040121	-.024033	2106.722	.0135352
#2	.0363424	.0788070	.0287206	.0094095	-.030878	2092.088	.0150125
#3	.0489555	.0759945	.0167878	.0201919	-.013110	2109.970	.0167665

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081305	-.004897	1846.380	.0327640	.0309924	.0915535	1016.315
Stddev	.0001171	.001958	5.619	.0003315	.0005257	.0043238	8.656
%RSD	1.440324	39.97375	.3043039	1.011675	1.696125	4.722680	.8516929

#1	.0081948	-.004020	1844.469	.0328933	.0314028	.0949146	1008.489
#2	.0079953	-.007140	1841.966	.0330113	.0311745	.0866757	1025.612
#3	.0082013	-.003531	1852.705	.0323873	.0303999	.0930702	1014.843

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.021821	1741.088	.0068974	-.039482	1842.256	.0183751	-.001008
Stddev	.001014	3.507	.0011640	.001918	4.363	.0011378	.002750
%RSD	4.647395	.2014501	16.87551	4.858225	.2368509	6.192197	272.8316

#1	-.020899	1744.151	.0071131	-.040731	1838.270	.0175022	-.003373
#2	-.022907	1741.851	.0079384	-.037274	1841.580	.0196619	-.001659
#3	-.021656	1737.262	.0056406	-.040442	1846.918	.0179611	.002009

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1372.168	^ *****	.0058841	.0005718	-.037100	.1482213	.1373802
Stddev	4.367	-----	.0009801	.0018641	.000518	.0062172	.0065191
%RSD	.3182494	-----	16.65695	326.0134	1.396422	4.194553	4.745294

#1	1372.024	^ -----	.0047841	-.001504	-.037537	.1410444	.1339038
#2	1376.605	^ -----	.0062036	.001115	-.037235	.1516589	.1333362
#3	1367.875	^ -----	.0066646	.002104	-.036528	.1519606	.1449007

Sample Name: LR1 Acquired: 3/17/2025 17:59:43 Type: Unk
Method: NON EPA-6010-200.7(v2815) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.206145	.1222730	-.882121
Stddev	.009488	.0043510	.007502
%RSD	4.602372	3.558437	.8504012
#1	-.197558	.1192497	-.875233
#2	-.204546	.1272597	-.890114
#3	-.216330	.1203096	-.881016

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2051.595	46050.73	11834.30	1330.919	2563.340
Stddev	7.870	86.11	38.71	4.168	8.427
%RSD	.3836119	.1869804	.3271006	.3131943	.3287356
#1	2052.697	46137.70	11869.45	1335.246	2565.320
#2	2058.857	46048.97	11840.64	1330.579	2570.600
#3	2043.233	45965.52	11792.81	1326.930	2554.099

Sample Name: LR2 Acquired: 3/17/2025 18:04:40 Type: Unk
Method: NON EPA-6010-200.7(v2815) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0114969	-.001389	236.8710	-.004439	-.002913	.1675831	^F *****
Stddev	.0025279	.004415	.3064	.002831	.000855	.0028008	----
%RSD	21.98793	317.7688	.1293456	63.76335	29.33311	1.671283	----

#1	.0087170	-.006470	236.5304	-.007207	-.002710	.1704665	^ ----
#2	.0136579	.001513	236.9586	-.001550	-.003851	.1674098	^ ----
#3	.0121158	.000789	237.1241	-.004560	-.002179	.1648729	^ ----

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002941	-.003301	.0541033	.0101084	.0064925	257.4467	.0022089
Stddev	.000044	.000037	.0036186	.0001413	.0006572	.4104	.0015406
%RSD	1.509172	1.120285	6.688365	1.398092	10.12193	.1593982	69.74552

#1	-.002893	-.003262	.0579025	.0100439	.0072215	257.8956	.0029186
#2	-.002950	-.003303	.0537101	.0100108	.0063105	257.0908	.0032667
#3	-.002981	-.003336	.0506974	.0102705	.0059456	257.3537	.0004413

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	45.66698	-.102476	46.34649	.0018719	.4001289	-.010132	33.77456
Stddev	.19896	.015392	.08205	.0004414	.0299939	.001204	.21299
%RSD	.4356834	15.01990	.1770386	23.58249	7.496058	11.87986	.6306245

#1	45.83505	-.089395	46.25485	.0021731	.4296148	-.010674	33.76975
#2	45.44730	-.119437	46.41315	.0020774	.4011204	-.010970	33.98992
#3	45.71860	-.098596	46.37147	.0013652	.3696516	-.008753	33.56402

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4598314	-.008470	-.007762	-.005147	-.036975	-.015944	.3757841
Stddev	.0260668	.000430	.000329	.000705	.000261	.002634	.0100944
%RSD	5.668779	5.073768	4.240397	13.69735	.7058033	16.52307	2.686229

#1	.4503808	-.008021	-.007474	-.005136	-.036828	-.018275	.3730815
#2	.4893053	-.008513	-.007691	-.005857	-.037276	-.013086	.3869548
#3	.4398081	-.008877	-.008120	-.004447	-.036820	-.016471	.3673161

Sample Name: LR2 Acquired: 3/17/2025 18:04:40 Type: Unk
Method: NON EPA-6010-200.7(v2815) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0178270	.0027677	.0014636
Stddev	.0082771	.0014526	.0000434
%RSD	46.42989	52.48191	2.961737
#1	.0120074	.0043281	.0014189
#2	.0273025	.0014547	.0015055
#3	.0141711	.0025204	.0014662

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2845.676	67569.10	14909.90	1895.012	4481.334
Stddev	8.687	343.79	42.64	4.188	3.375
%RSD	.3052664	.5087968	.2859541	.2209864	.0753171
#1	2837.414	67350.14	14860.85	1892.581	4477.565
#2	2854.734	67391.82	14930.72	1899.848	4484.079
#3	2844.880	67965.35	14938.12	1892.607	4482.358

Sample Name: PB167132BL Acquired: 3/17/2025 18:10:06 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006220	-.000164	.0030854	-.002912	-.001412	-.001424
Stddev	.0002797	.001240	.0006601	.002788	.001071	.005824
%RSD	44.95939	757.2950	21.39461	95.73931	75.86013	409.1049

#1	.0005535	.000202	.0023651	-.000665	-.002647	-.007919
#2	.0009296	-.001545	.0036615	-.002039	-.000848	.003332
#3	.0003830	.000852	.0032296	-.006032	-.000740	.000317

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005262	.0000414	.0000128	.0022796	.0004225	.0000662
Stddev	.000073	.0000339	.0000160	.0044012	.0003323	.0001172
%RSD	1.385385	81.84630	124.8851	193.0701	78.66679	177.0875

#1	-.005345	.0000287	.0000308	-.001856	.0004216	-.000066
#2	-.005206	.0000157	.0000076	.006905	.0000906	.000108
#3	-.005237	.0000799	.0000001	.001790	.0007552	.000157

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023548	.0014264	.0026336	.0078793	.0003831	.0003817
Stddev	.0001708	.0025708	.0000865	.0075350	.0002738	.0003160
%RSD	7.253124	180.2259	3.284168	95.63047	71.46933	82.80660

#1	.0022644	.0022913	.0025340	.0033644	.0006205	.0006828
#2	.0022482	.0034533	.0026770	.0165778	.0004451	.0004097
#3	.0025518	-.001465	.0026897	.0036956	.0000836	.0000525

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3084986	.0011201	-.000578	.2940781	-.009980	-.000334
Stddev	.0098838	.0006599	.000274	.0116863	.000381	.000066
%RSD	3.203856	58.91301	47.39001	3.973866	3.813267	19.66294

#1	.3196851	.0004781	-.000564	.2866502	-.009626	-.000279
#2	.3048641	.0010857	-.000311	.2880355	-.010383	-.000316
#3	.3009465	.0017965	-.000858	.3075485	-.009930	-.000407

Sample Name: PB167132BL Acquired: 3/17/2025 18:10:06 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003002	.0003339	-.001816	-.002419	F -.010539	.0035704
Stddev	.0006758	.0002395	.005457	.000613	.001383	.0005380
%RSD	225.0994	71.71844	300.5028	25.35157	13.12113	15.06691
#1	.0007009	.0002090	.004202	-.003124	-.011696	.0029507
#2	-.000480	.0006101	-.006442	-.002122	-.009007	.0038429
#3	.000680	.0001828	-.003208	-.002011	-.010912	.0039176

Elem	Sr4077
Units	ppm
Avg	-.000138
Stddev	.000062
%RSD	45.25235
#1	-.000074
#2	-.000198
#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	3115.988	68432.93	14971.30	1995.879	4872.962
Stddev	5.215	175.54	15.90	3.774	6.589
%RSD	.1673506	.2565136	.1062153	.1891083	.1352152
#1	3110.286	68251.37	14978.96	1997.305	4865.358
#2	3117.163	68601.75	14981.92	1998.732	4876.545
#3	3120.514	68445.66	14953.02	1991.599	4876.983

Sample Name: PB167132BS Acquired: 3/17/2025 18:14:25 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7785733	1.938999	.9269308	1.927858	.8093434	1.860330
Stddev	.0065444	.003217	.0026589	.003427	.0020501	.008190
%RSD	.8405603	.1659315	.2868517	.1777731	.2533070	.4402285

#1	.7742047	1.941882	.9288870	1.923957	.8086304	1.861289
#2	.7754176	1.935529	.9239034	1.930386	.8077449	1.867998
#3	.7860975	1.939587	.9280021	1.929230	.8116548	1.851703

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1715252	.1840587	.1838463	.9405241	.3988995	.1850276
Stddev	.0013025	.0007975	.0004613	.0063554	.0006129	.0003389
%RSD	.7593538	.4332692	.2509070	.6757267	.1536546	.1831701

#1	.1714267	.1836661	.1839434	.9409017	.3993694	.1849649
#2	.1728741	.1849764	.1833441	.9466823	.3991230	.1847245
#3	.1702747	.1835337	.1842512	.9339884	.3982062	.1853935

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3015034	2.911610	.1805707	1.796283	.4617616	.0749994
Stddev	.0005906	.016580	.0010362	.010978	.0014330	.0002074
%RSD	.1958955	.5694492	.5738442	.6111452	.3103450	.2764728

#1	.3011461	2.899933	.1798727	1.808956	.4619649	.0752373
#2	.3011789	2.930588	.1817613	1.790184	.4602378	.0749041
#3	.3021851	2.904309	.1800781	1.789709	.4630821	.0748568

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.120094	.2767666	.1999296	9.420341	.2568094	.4006225
Stddev	.010359	.0027122	.0009491	.039959	.0013469	.0012053
%RSD	.3320053	.9799743	.4747006	.4241828	.5244596	.3008466

#1	3.109376	.2737062	.2009716	9.398006	.2553710	.4007457
#2	3.130052	.2777208	.1997025	9.466474	.2580407	.3993603
#3	3.120855	.2788727	.1991147	9.396542	.2570166	.4017614

Sample Name: PB167132BS Acquired: 3/17/2025 18:14:25 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6567310	.1828309	.7814477	5.630826	F -.015943	.1827659
Stddev	.0021333	.0007873	.0014460	.027761	.003893	.0017097
%RSD	.3248310	.4306176	.1850455	.4930140	24.41842	.9354372
#1	.6566325	.1828257	.7800763	5.622360	-.020420	.1807918
#2	.6546487	.1836208	.7829583	5.608284	-.014053	.1837654
#3	.6589118	.1820462	.7813084	5.661834	-.013356	.1837404

Elem	Sr4077
Units	ppm
Avg	.1780834
Stddev	.0011675
%RSD	.6555640
#1	.1772346
#2	.1794148
#3	.1776008

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3055.394	66791.24	14790.97	1971.988	4673.802
Stddev	6.244	49.53	62.19	6.064	14.307
%RSD	.2043527	.0741544	.4204681	.3075044	.3061114
#1	3050.704	66812.00	14826.88	1965.181	4661.613
#2	3062.481	66734.71	14719.16	1976.814	4689.554
#3	3052.997	66827.01	14826.86	1973.968	4670.238

Sample Name: CCV05 Acquired: 3/17/2025 18:18:27 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem 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	5.050991	4.938255	4.871660	4.963963	5.143794	9.708916	9.498484
Stddev	.011587	.071526	.013453	.019598	.014674	.016435	.084024
%RSD	.2294020	1.448415	.2761554	.3948072	.2852846	.1692794	.8846087

#1	5.040462	4.999125	4.872205	4.946261	5.127409	9.725436	9.553007
#2	5.049105	4.859476	4.857943	4.960603	5.148245	9.708746	9.540724
#3	5.063405	4.956164	4.884833	4.985023	5.155727	9.692567	9.401720

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2361758	2.388350	23.63123	1.015333	2.377593	1.236363	4.962501
Stddev	.0010063	.008882	.09419	.002494	.010489	.003324	.021010
%RSD	.4260695	.3718736	.3985681	.2456391	.4411420	.2688317	.4233714

#1	.2365849	2.385620	23.69184	1.018191	2.373450	1.232994	4.986600
#2	.2369131	2.381154	23.67914	1.013598	2.369809	1.236456	4.948038
#3	.2350294	2.398276	23.52272	1.014209	2.389521	1.239639	4.952863

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.256459	23.35646	2.359884	1.264937	25.85975	2.404837	2.542797
Stddev	.011692	.12558	.009676	.003040	.12180	.007076	.005901
%RSD	.5181490	.5376659	.4100322	.2403502	.4710042	.2942597	.2320538

#1	2.266069	23.45386	2.354032	1.267379	25.96984	2.409240	2.535991
#2	2.259866	23.40080	2.354566	1.265902	25.72891	2.408598	2.546485
#3	2.243442	23.21473	2.371053	1.261532	25.88052	2.396674	2.545913

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.11457	4.735966	5.071918	4.832063	4.763310	5.248829	4.925594
Stddev	.19248	.019413	.012852	.018921	.018083	.016980	.036337
%RSD	.7664043	.4098997	.2533960	.3915751	.3796340	.3235087	.7377261

#1	25.29937	4.724425	5.064209	4.833926	4.779693	5.248396	4.904358
#2	24.91523	4.758378	5.064792	4.812280	4.766330	5.232068	4.904872
#3	25.12911	4.725094	5.086755	4.849985	4.743907	5.266021	4.967552

Sample Name: CCV05 Acquired: 3/17/2025 18:18:27 Type: Unk
 Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: CCV05 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.702476	4.587746	4.742884
Stddev	.027281	.007872	.025433
%RSD	.5801376	.1715908	.5362401
#1	4.694825	4.596741	4.763208
#2	4.679837	4.582111	4.751082
#3	4.732765	4.584386	4.714363

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3008.671	64964.63	14476.04	1895.094	4424.798
Stddev	10.564	289.74	67.85	3.900	17.212
%RSD	.3511186	.4459951	.4686757	.2057768	.3889785
#1	3019.421	64634.71	14433.05	1890.605	4435.159
#2	3008.288	65081.47	14440.82	1897.033	4434.306
#3	2998.303	65177.70	14554.25	1897.645	4404.931

Sample Name: CCB05 Acquired: 3/17/2025 18:22:37 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000202	-.000947	.0004991	-.002243	-.001789	-.004024
Stddev	.000102	.000392	.0004114	.000944	.000136	.001537
%RSD	50.60031	41.35809	82.42516	42.09253	7.590094	38.19510

#1	-.000089	-.000731	.0002990	-.003330	-.001652	-.005799
#2	-.000288	-.001399	.0002260	-.001621	-.001792	-.003106
#3	-.000228	-.000711	.0009723	-.001779	-.001923	-.003168

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005643	.0000041	.0000115	.0019788	.0000777	.0000224
Stddev	.000445	.0000075	.0000399	.0026110	.0004445	.0000487
%RSD	7.888188	182.0347	347.3022	131.9468	571.8813	217.3928

#1	-.005936	.0000030	.0000393	.0044016	.0005540	-.000034
#2	-.005131	.0000121	.0000294	-.000787	.0000055	.000054
#3	-.005862	-.000003	-.000034	.002321	-.000326	.000047

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002099	-.003387	.0022881	.0160108	.0001299	.0003020
Stddev	.0004316	.004757	.0001499	.0137992	.0001500	.0002362
%RSD	205.6579	140.4365	6.552984	86.18682	115.4664	78.19465

#1	.0001480	.001841	.0021778	.0313895	.0002484	.0003969
#2	.0006691	-.007461	.0024588	.0119321	-.000039	.0004760
#3	-.000187	-.004542	.0022276	.0047107	.000180	.0000332

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1319990	.0001913	-.001207	.1253917	-.004270	-.000072
Stddev	.0063970	.0006943	.000238	.0172943	.000176	.000176
%RSD	4.846218	362.9135	19.67653	13.79221	4.118636	244.0605

#1	.1253624	-.000264	-.001375	.1408523	-.004188	-.000004
#2	.1381259	-.000152	-.000935	.1286077	-.004151	-.000272
#3	.1325086	.000990	-.001311	.1067152	-.004472	.000059

Sample Name: CCB05 Acquired: 3/17/2025 18:22:37 Type: Unk
Method: NON EPA-6010-200.7(v2811) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003505	.0005736	-.004587	-.003023	F -.011635	.0011336
Stddev	.0008284	.0006896	.007584	.000645	.003442	.0004793
%RSD	236.3604	120.2263	165.3434	21.34255	29.58613	42.28334

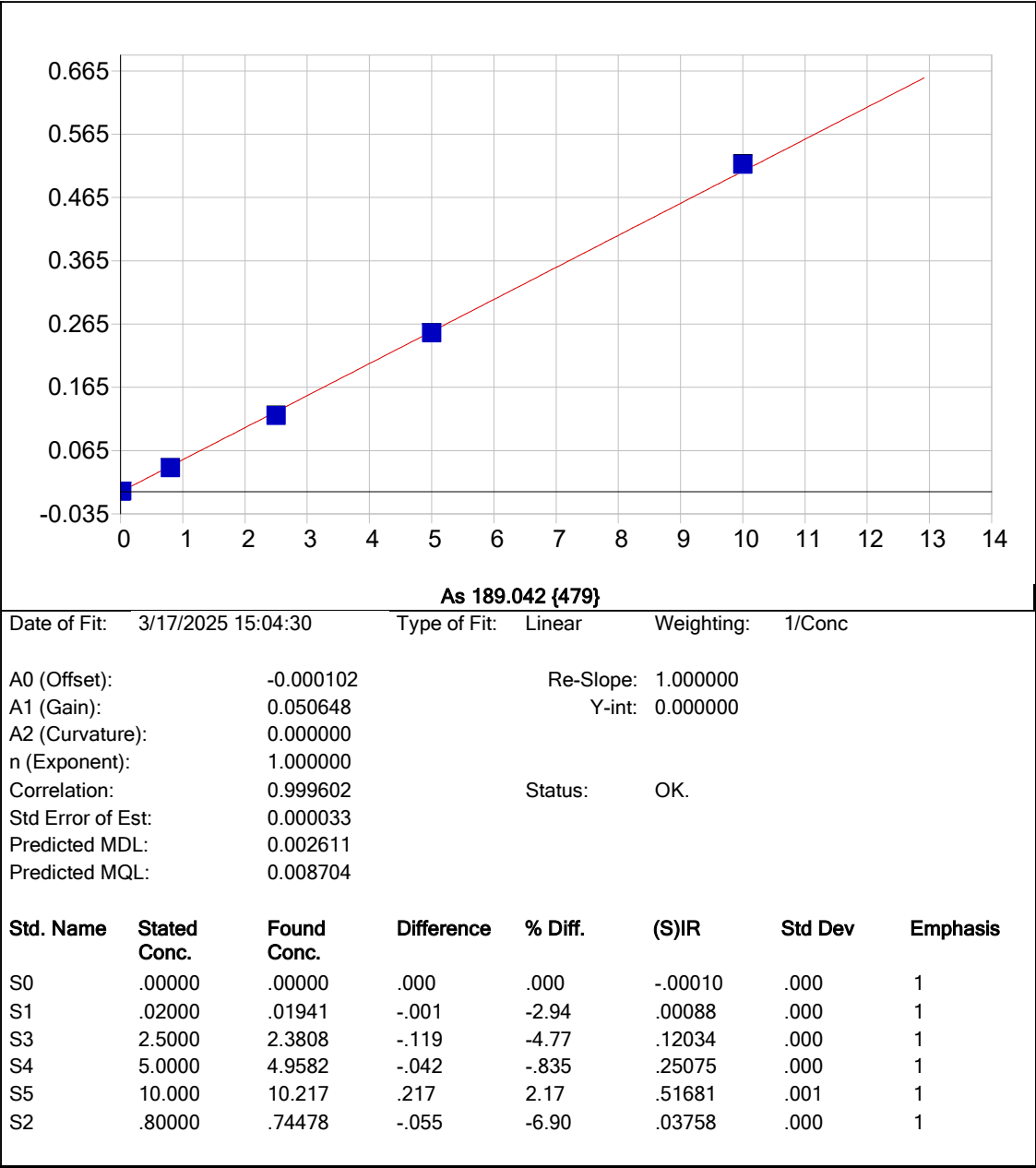
#1	.0008710	-.000208	.001663	-.002879	-.009179	.0010765
#2	.0007853	.000832	-.002400	-.003728	-.015570	.0016389
#3	-.000605	.001097	-.013023	-.002462	-.010157	.0006854

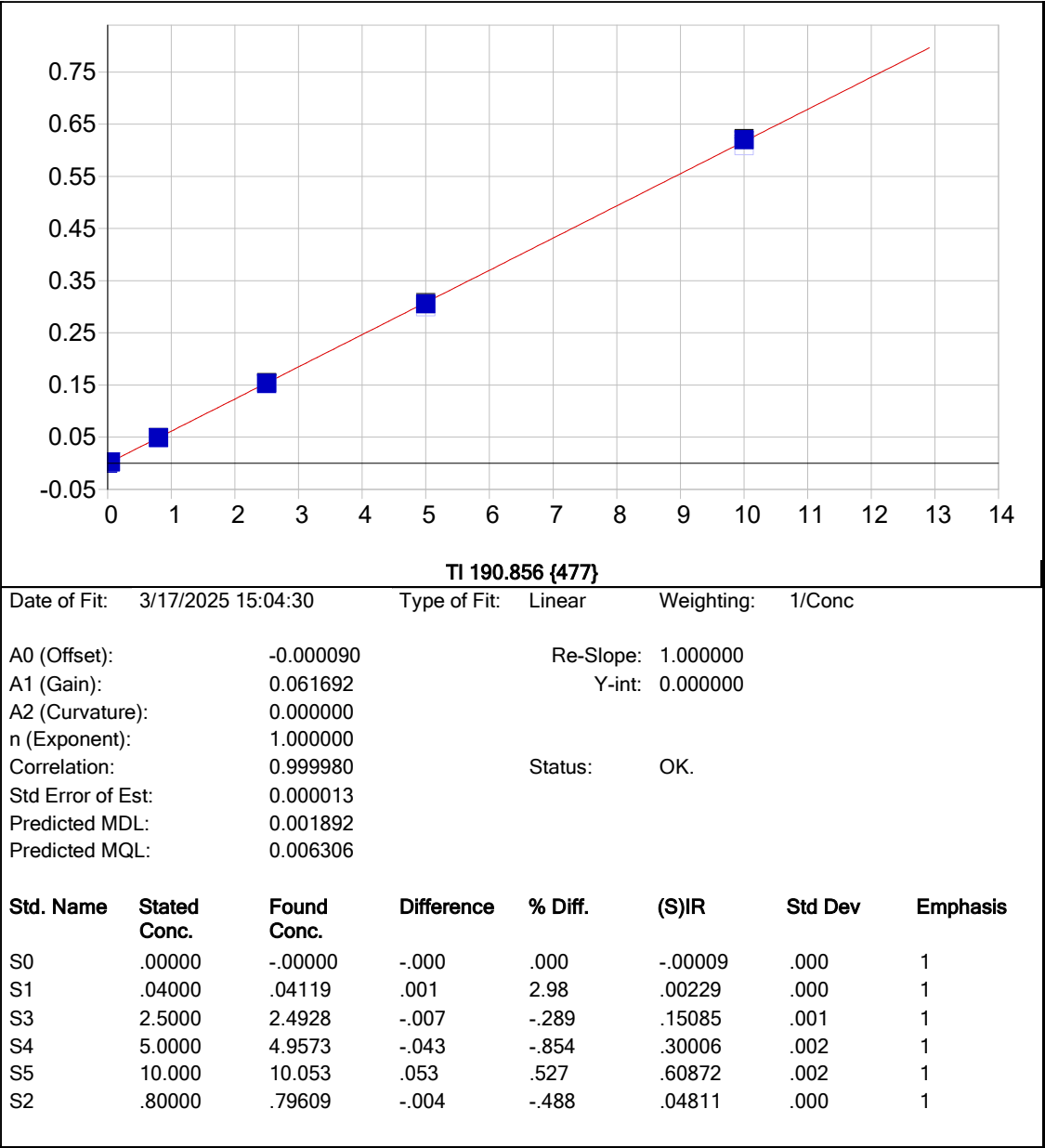
Elem	Sr4077
Units	ppm
Avg	-.000100
Stddev	.000036
%RSD	35.87651

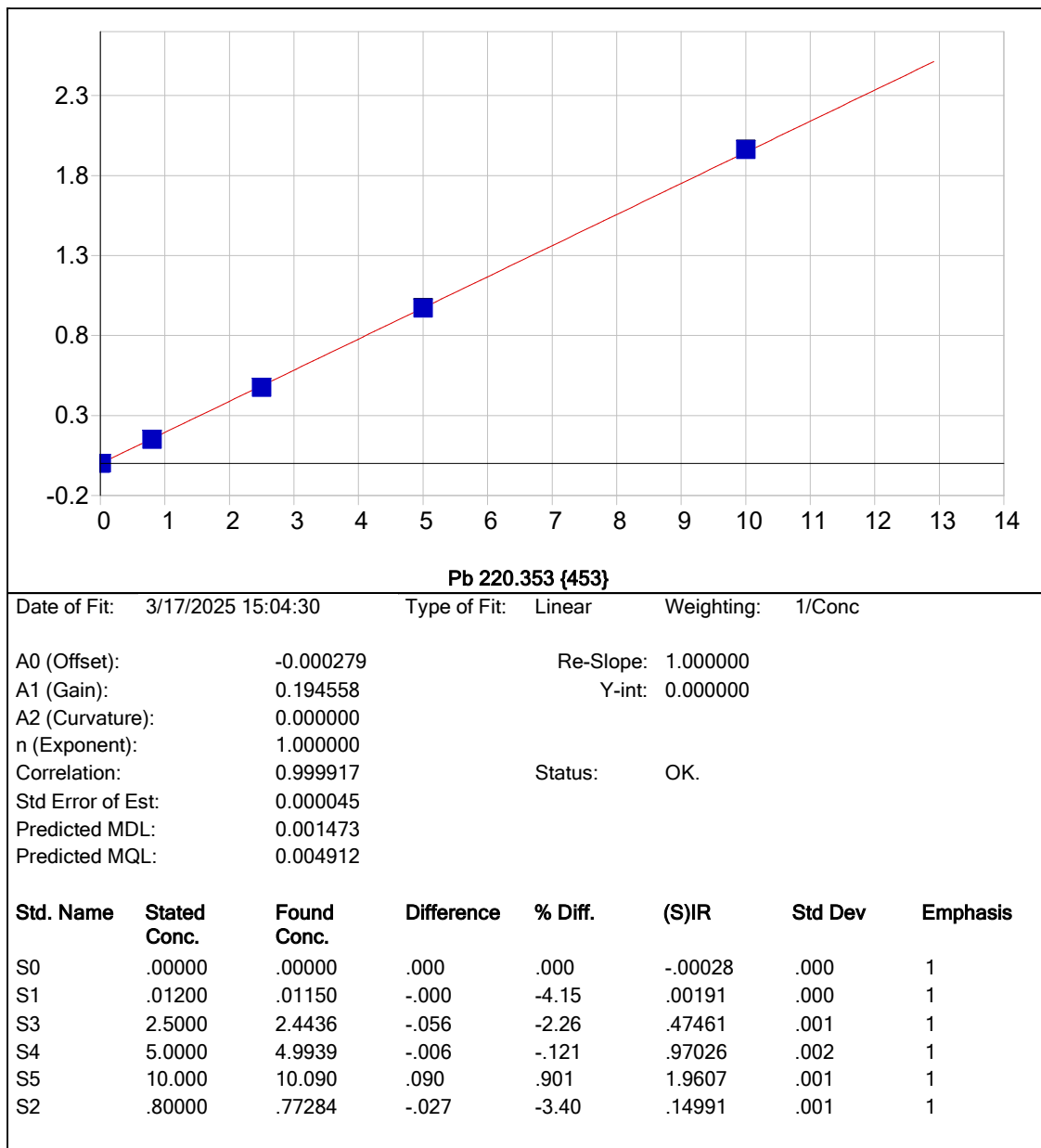
#1	-.000101
#2	-.000064
#3	-.000136

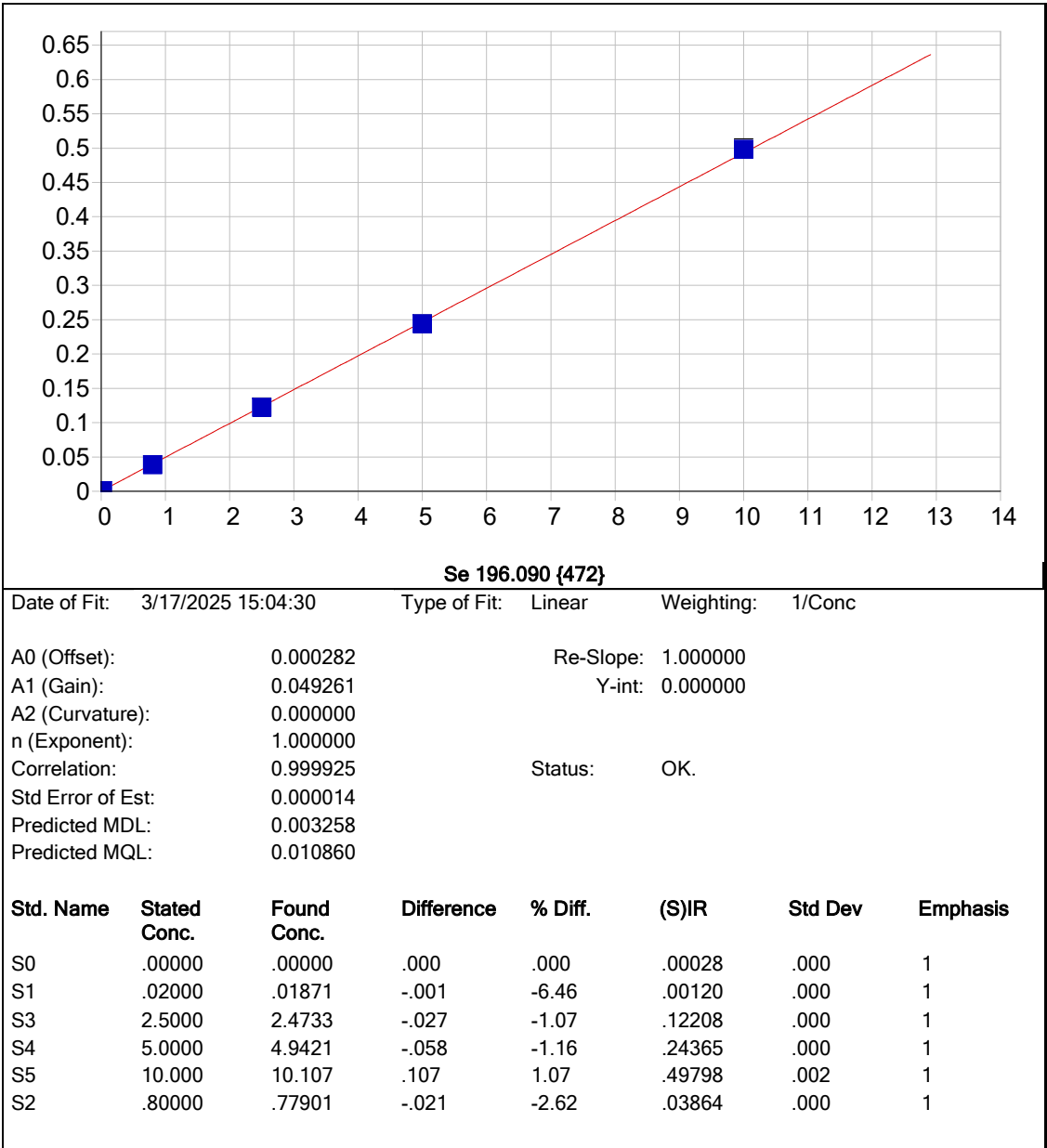
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3117.082	68502.98	15063.17	2017.223	4829.709
Stddev	6.912	350.62	7.00	11.304	8.327
%RSD	.2217390	.5118258	.0464663	.5603922	.1724140

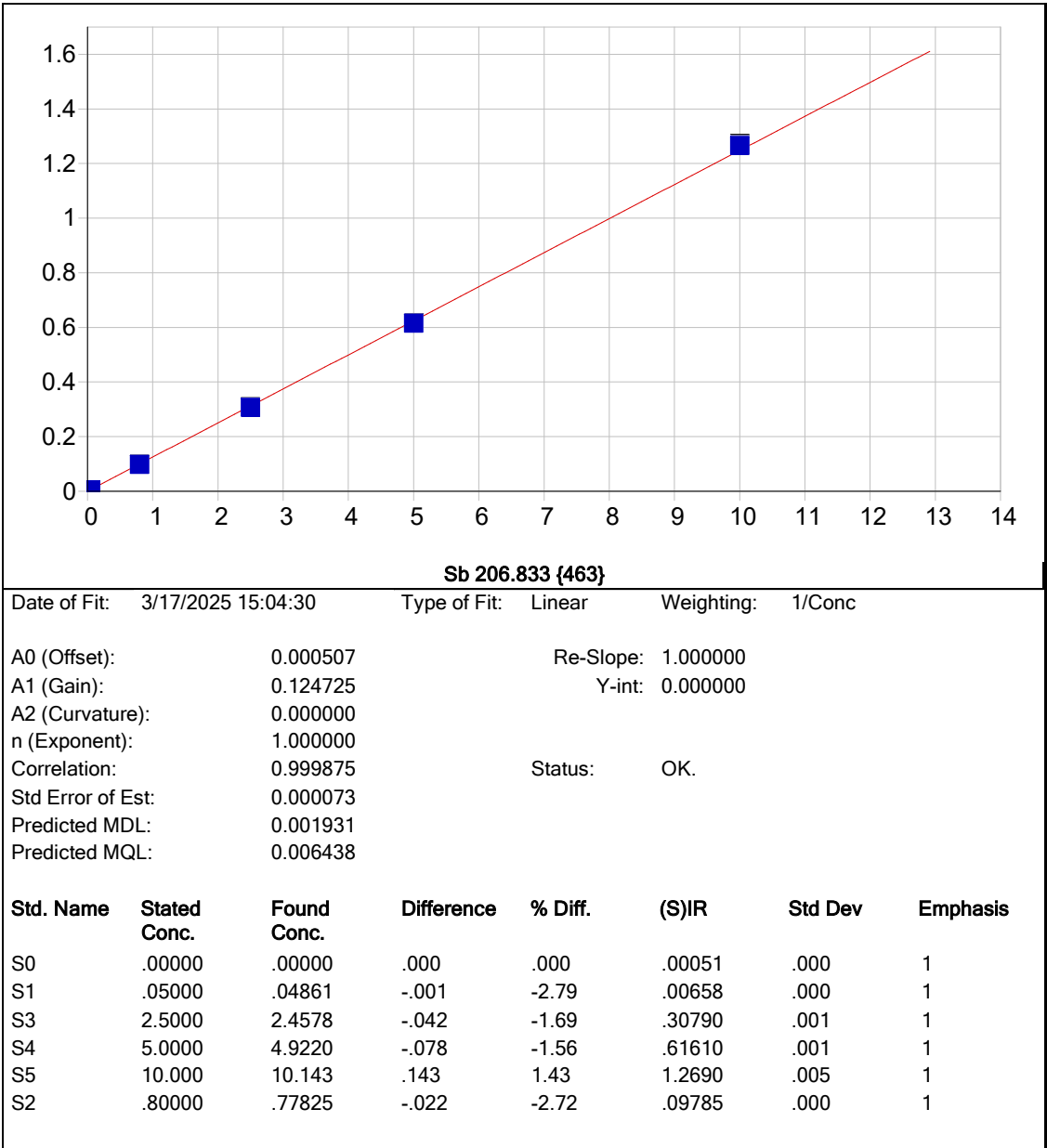
#1	3116.904	68838.30	15068.04	2025.901	4827.679
#2	3110.260	68531.77	15066.32	2021.327	4822.585
#3	3124.081	68138.85	15055.15	2004.439	4838.864

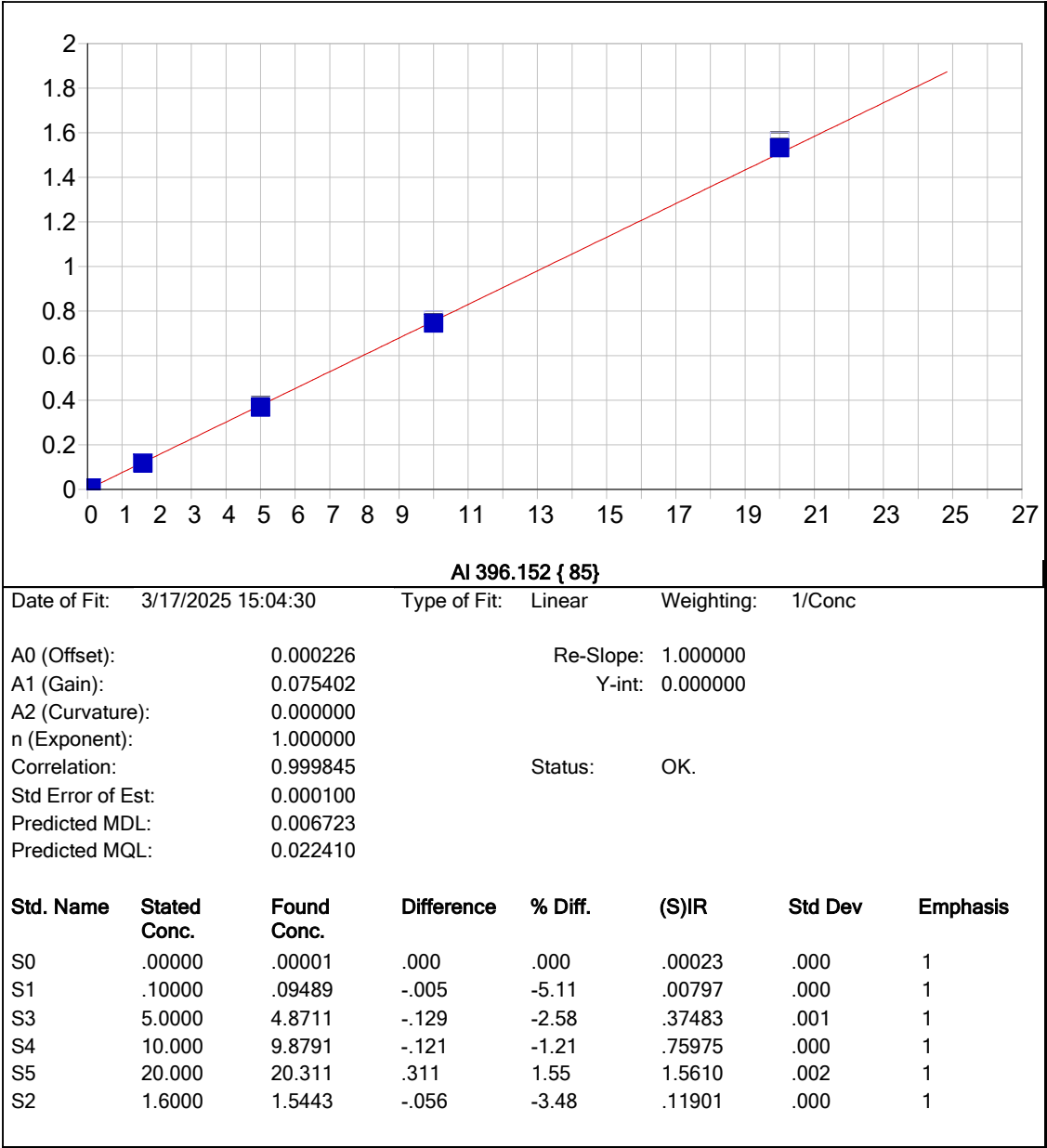


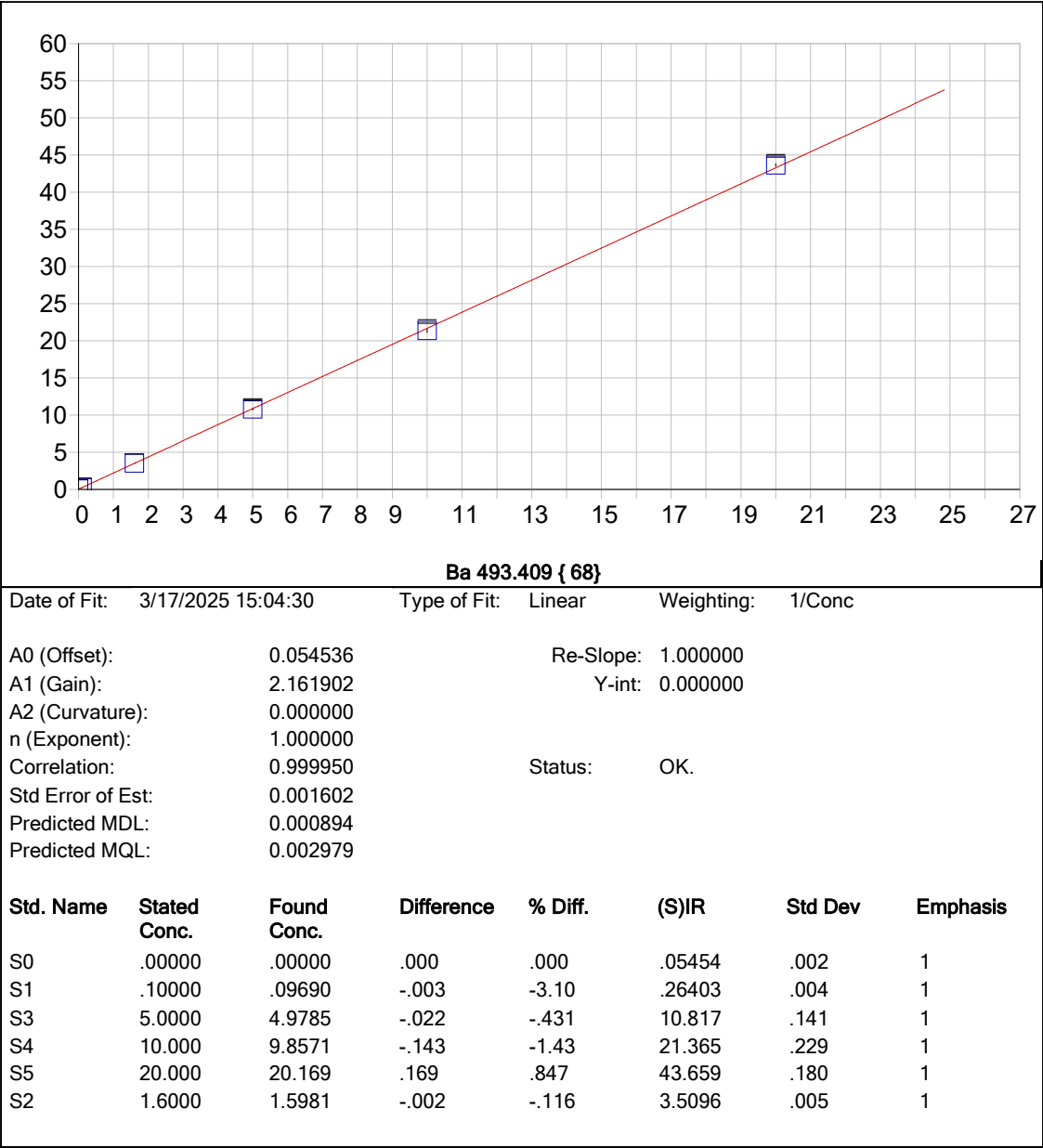


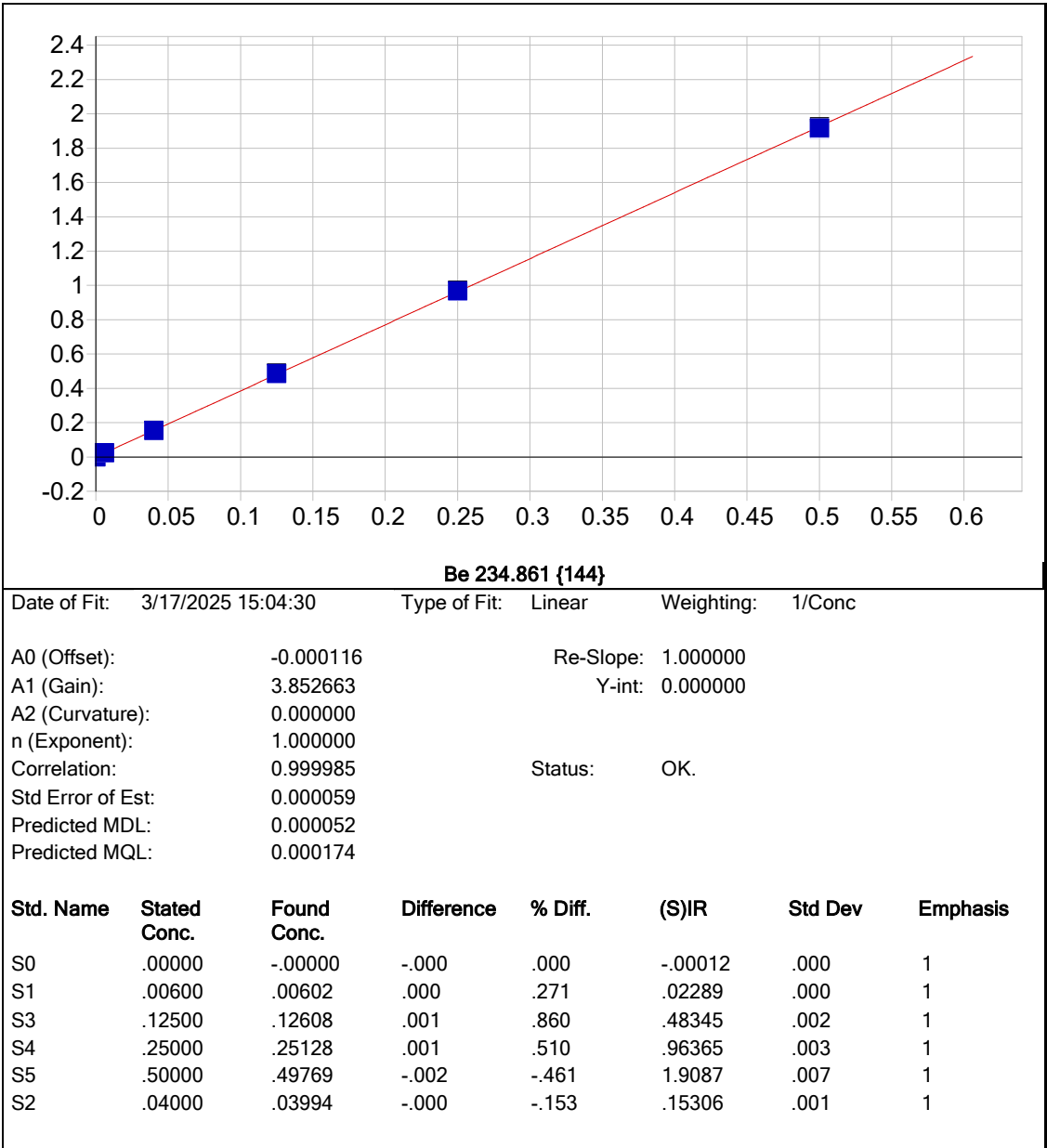


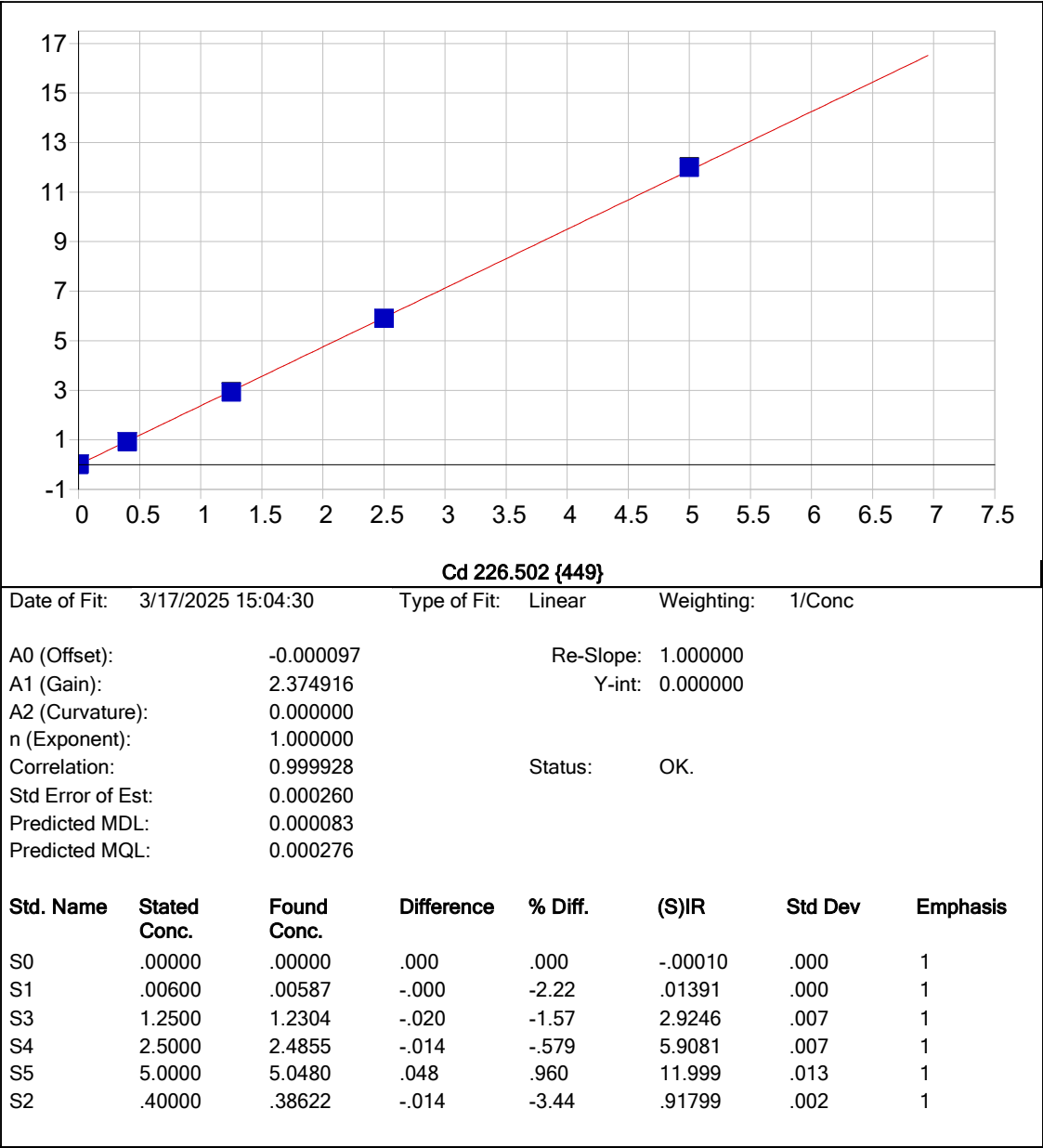


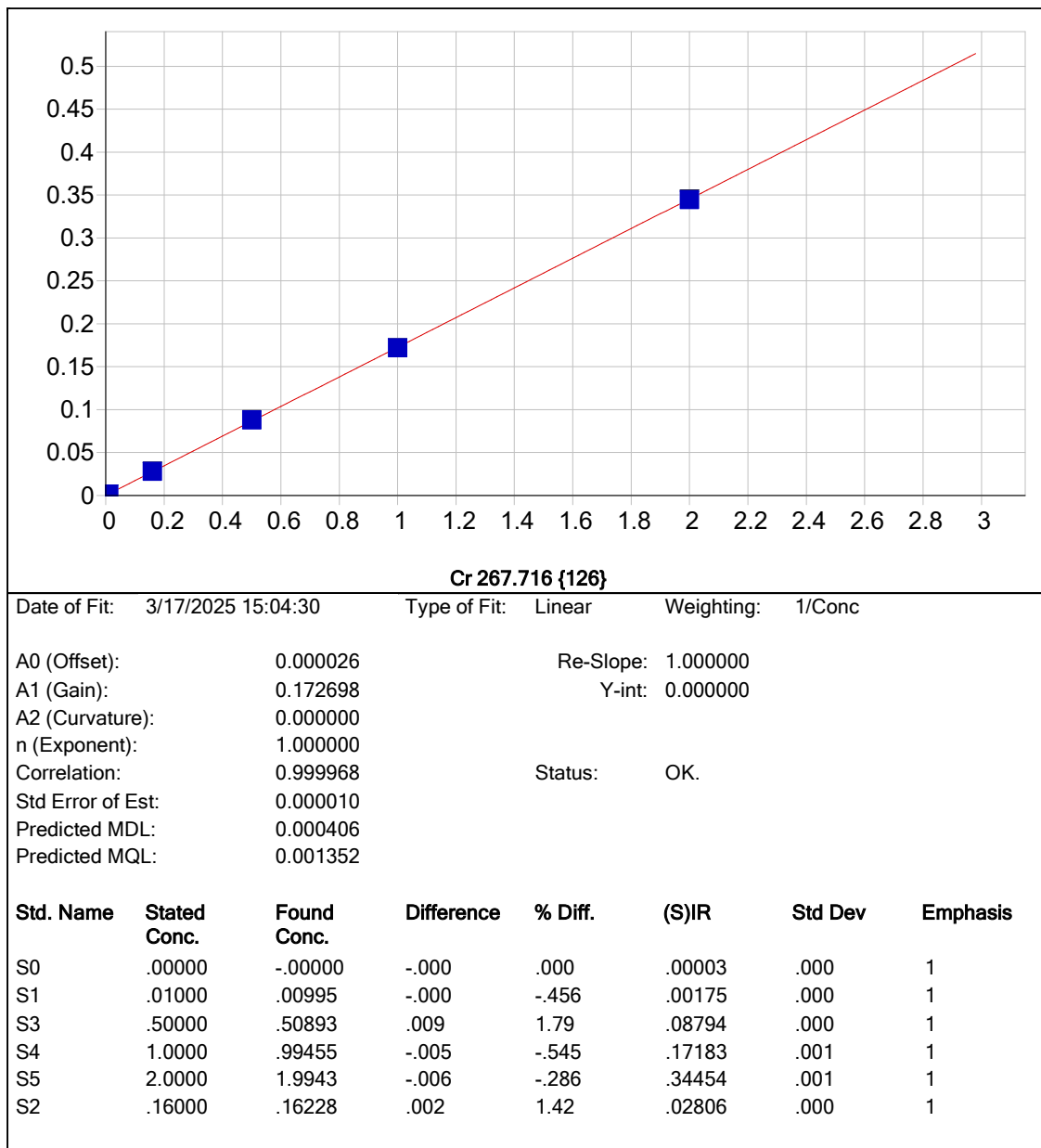


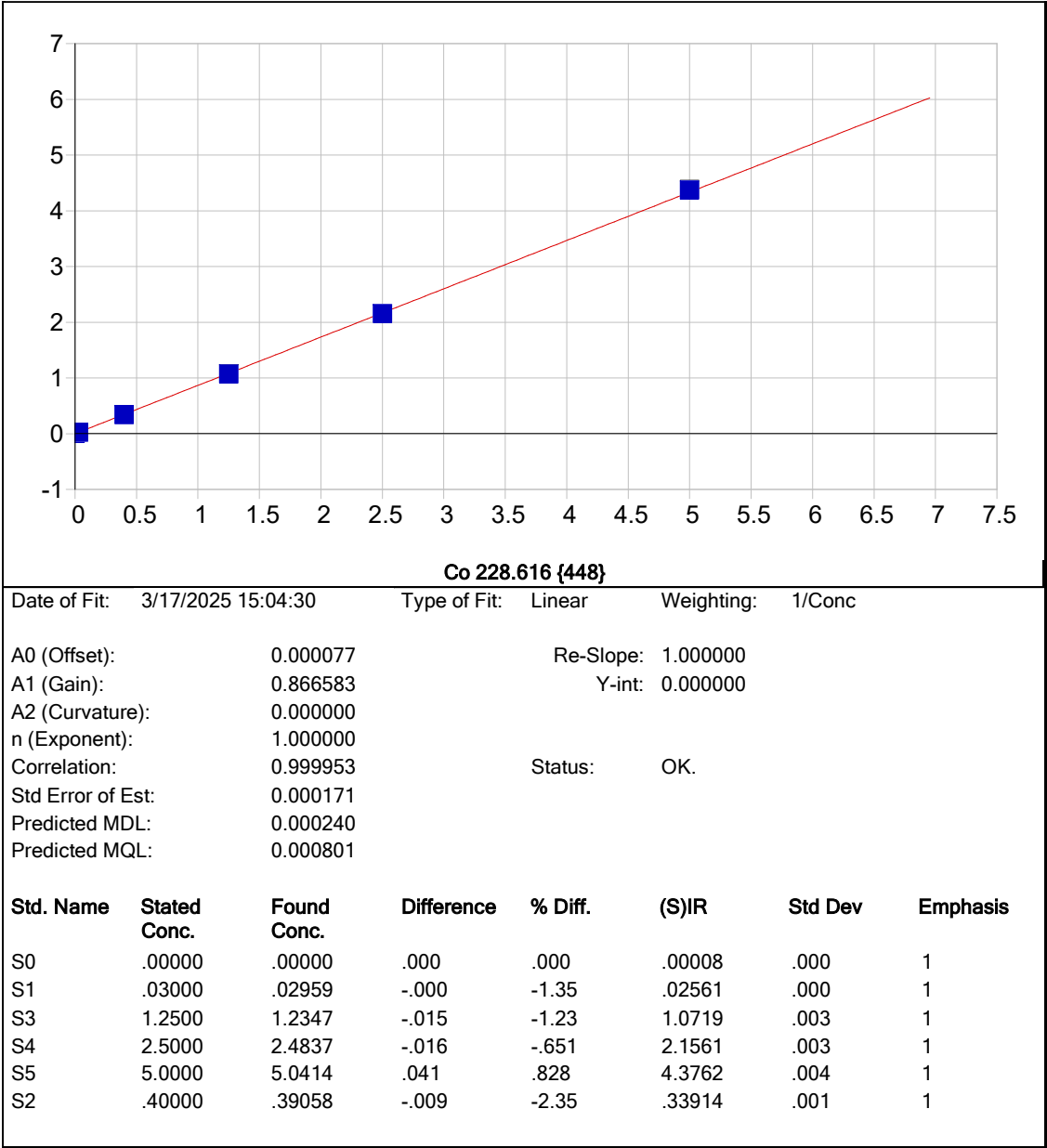


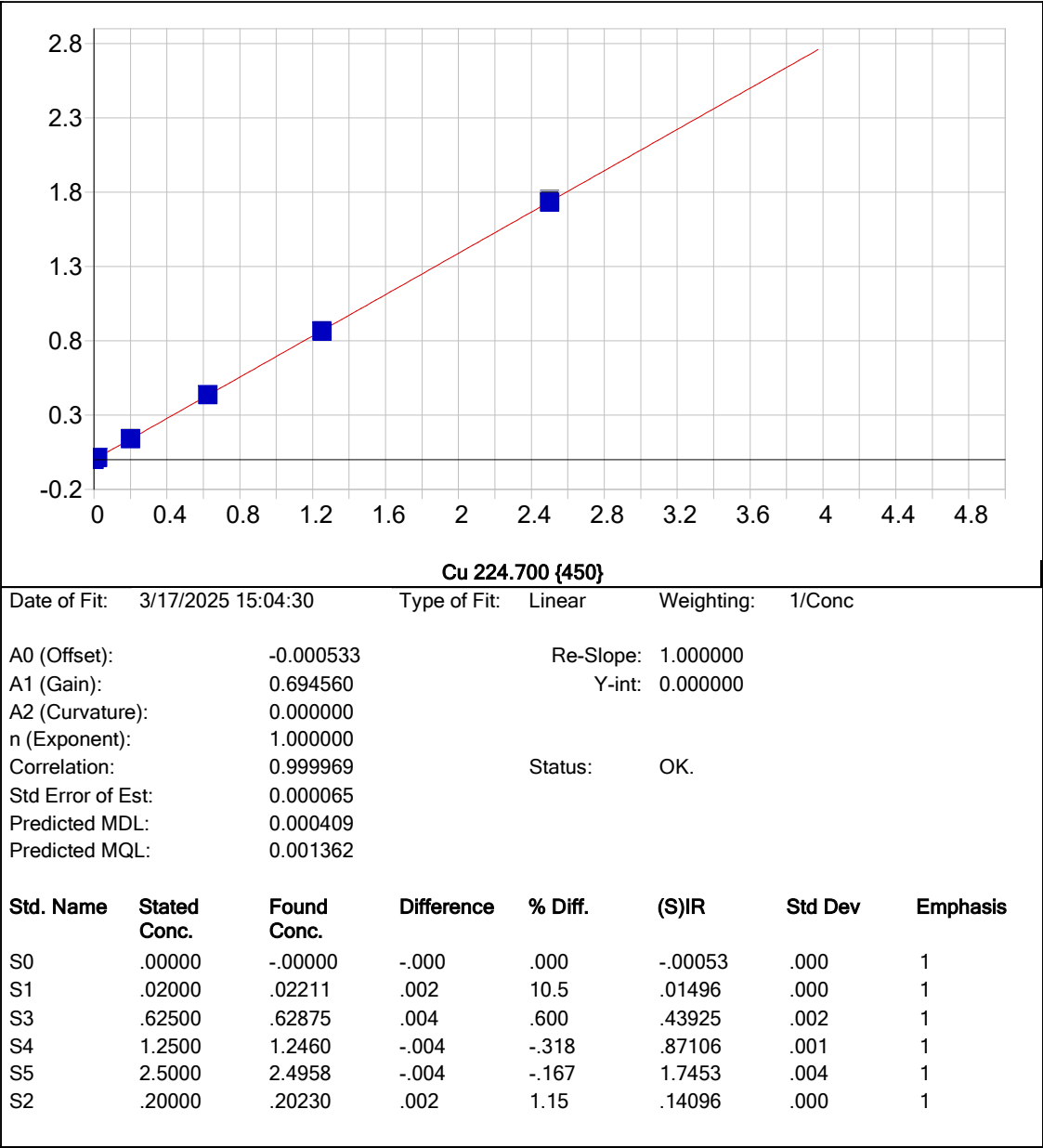


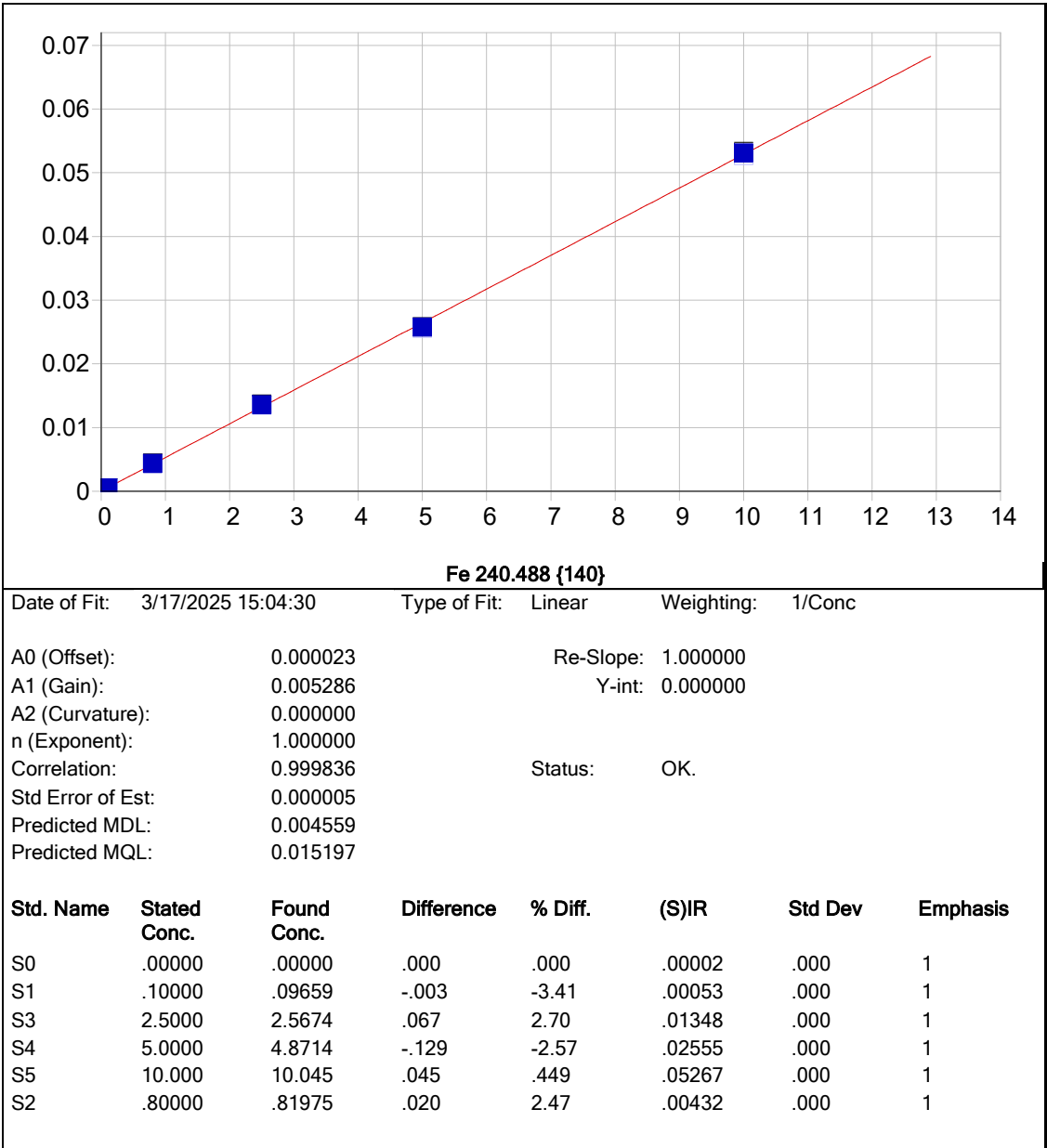


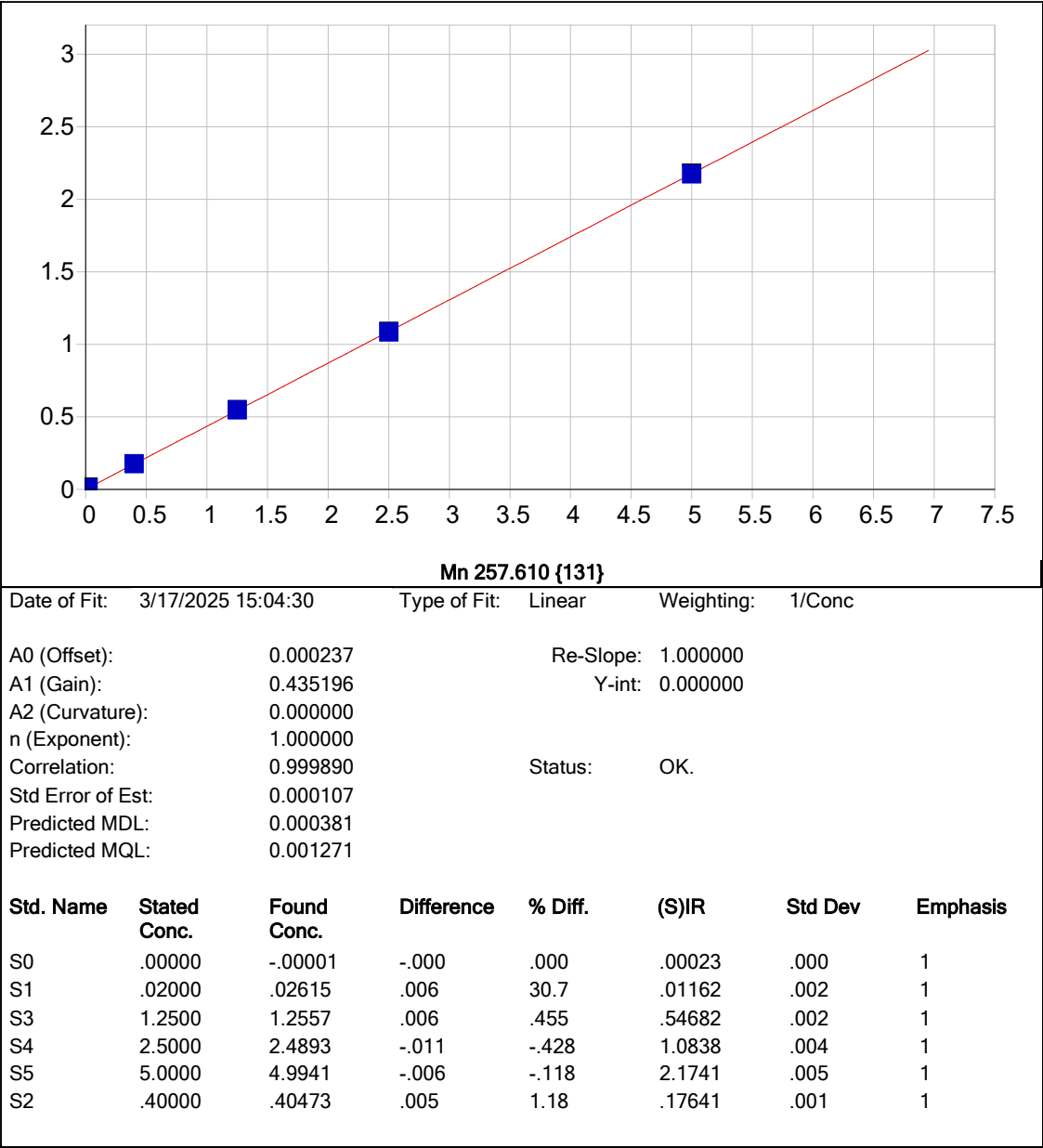


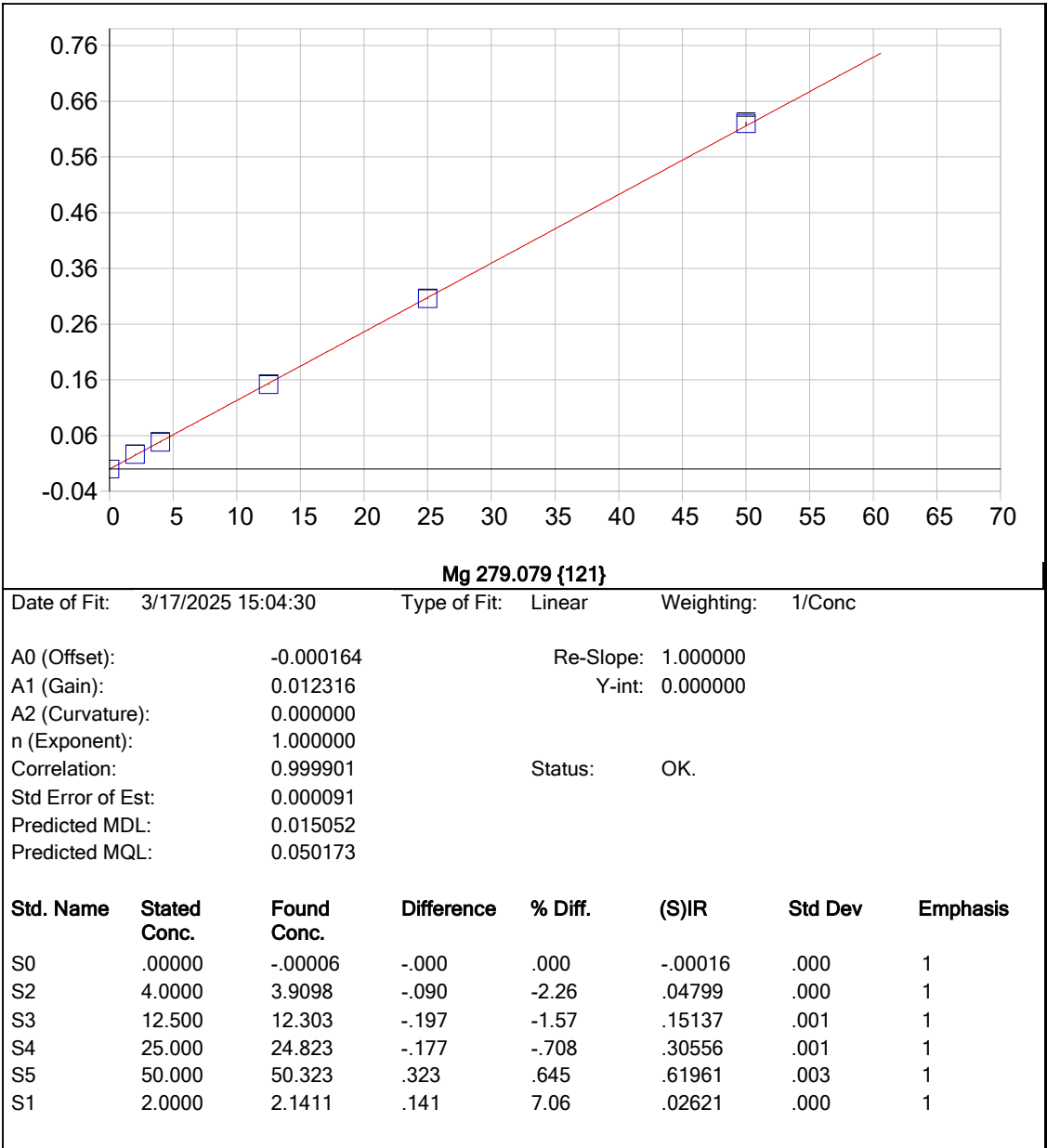


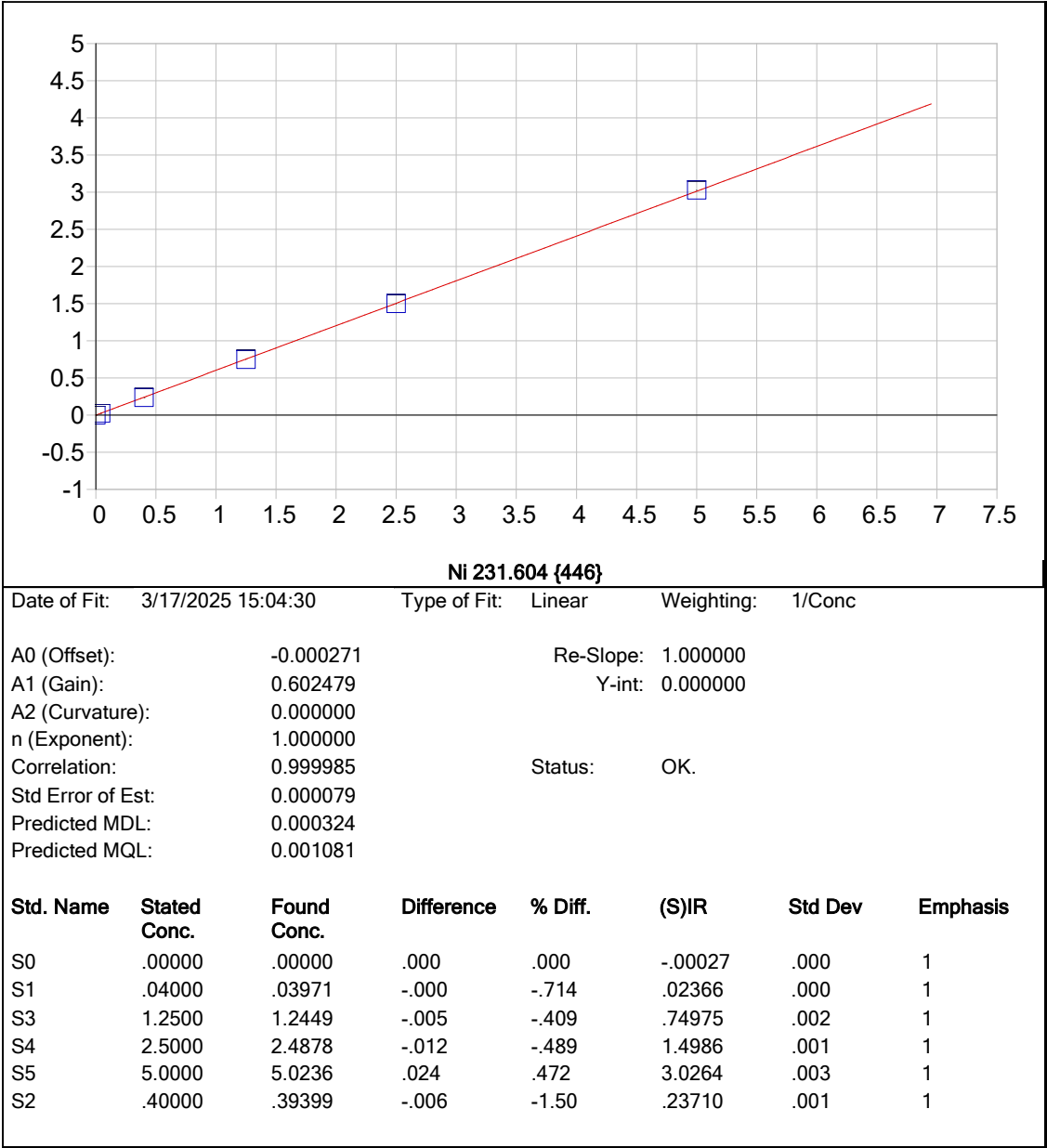


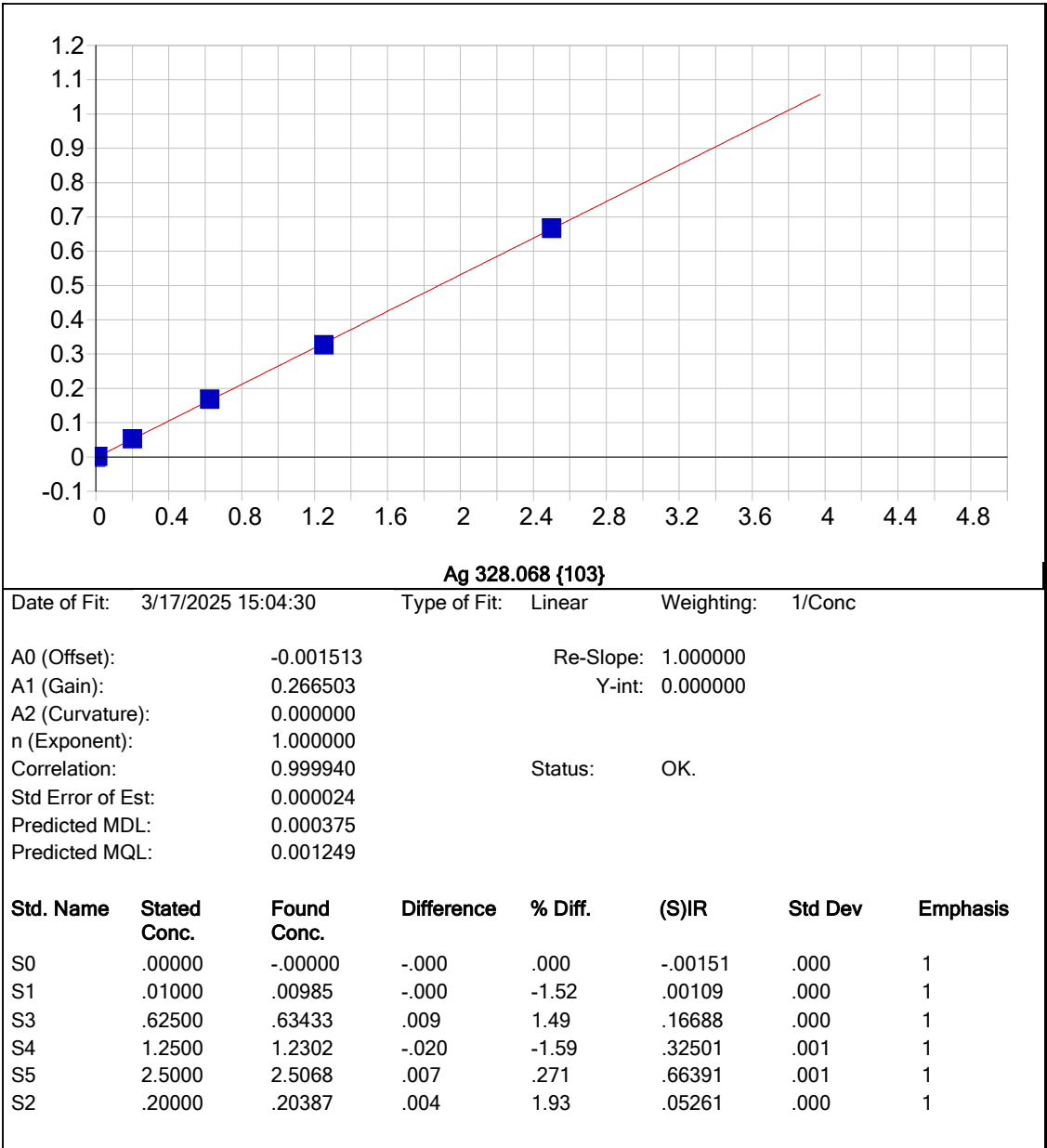


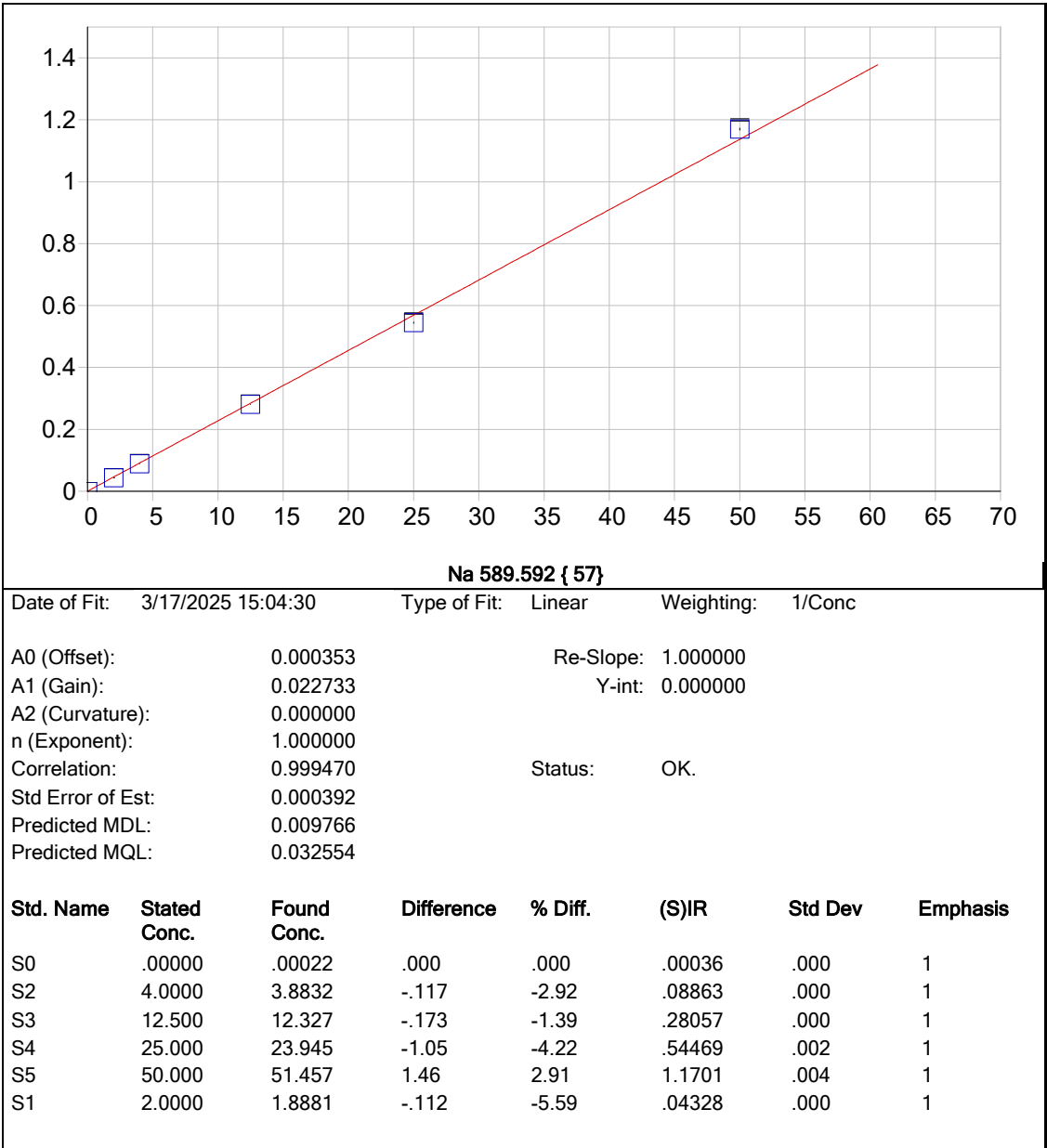


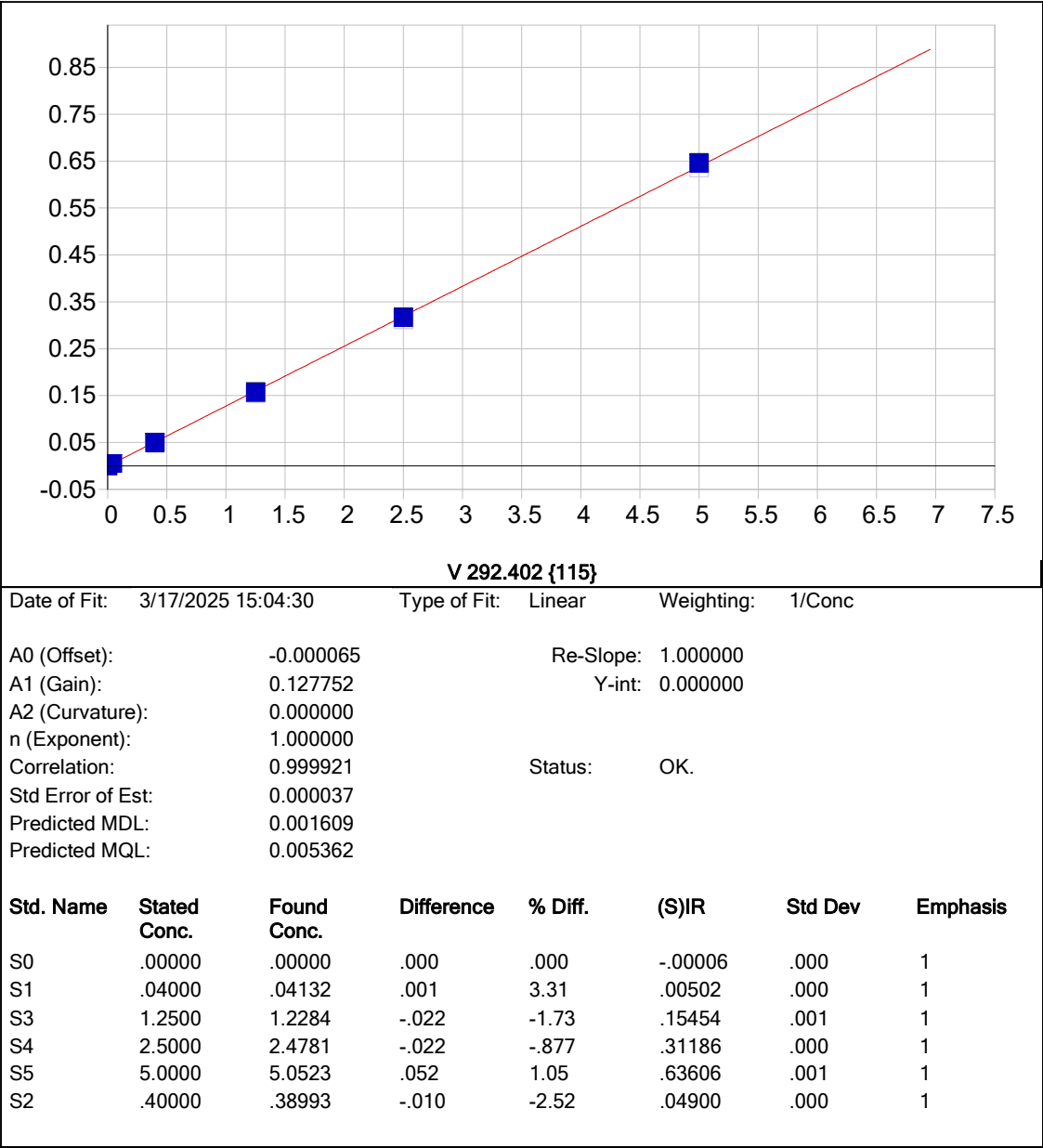


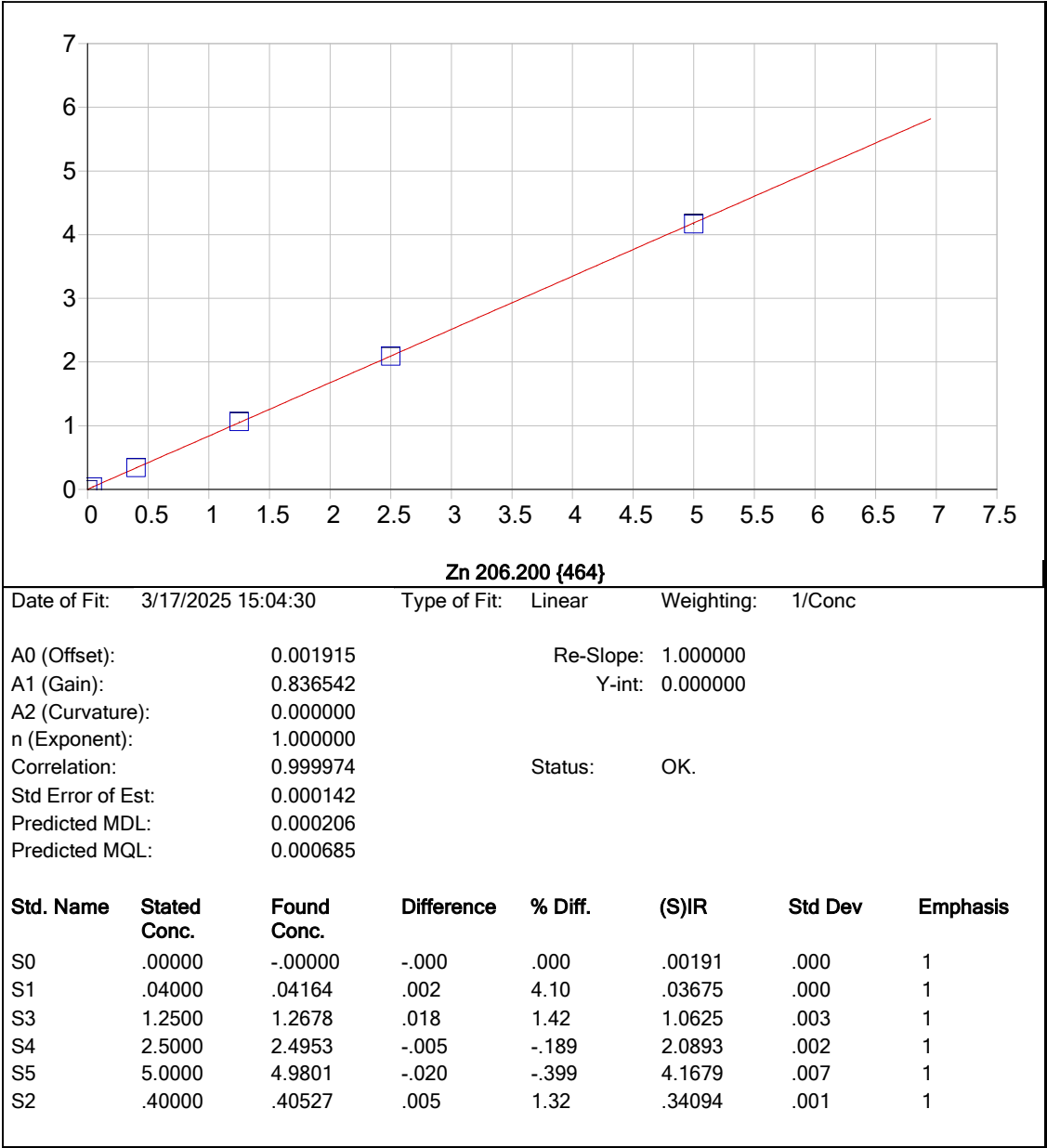


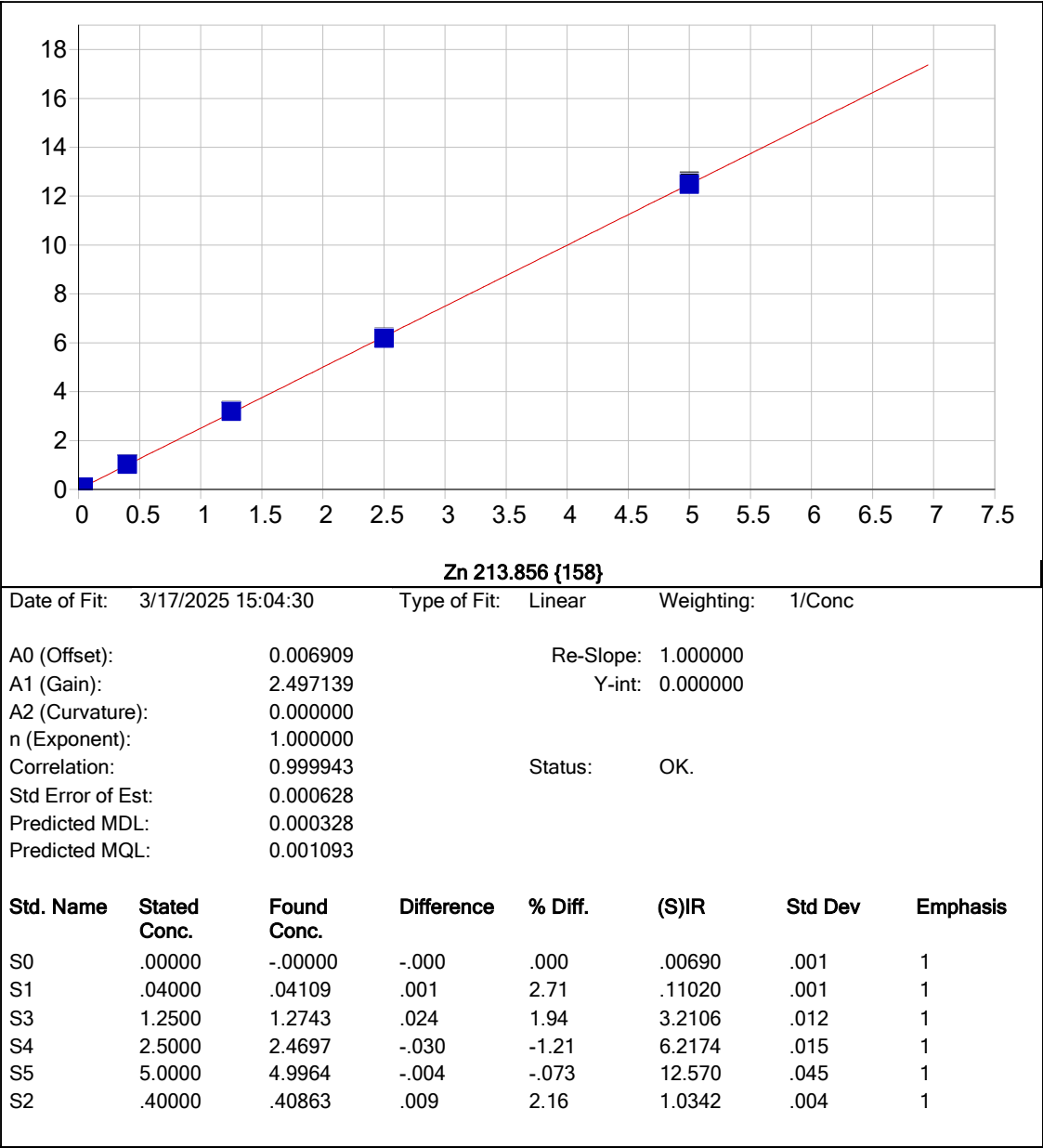


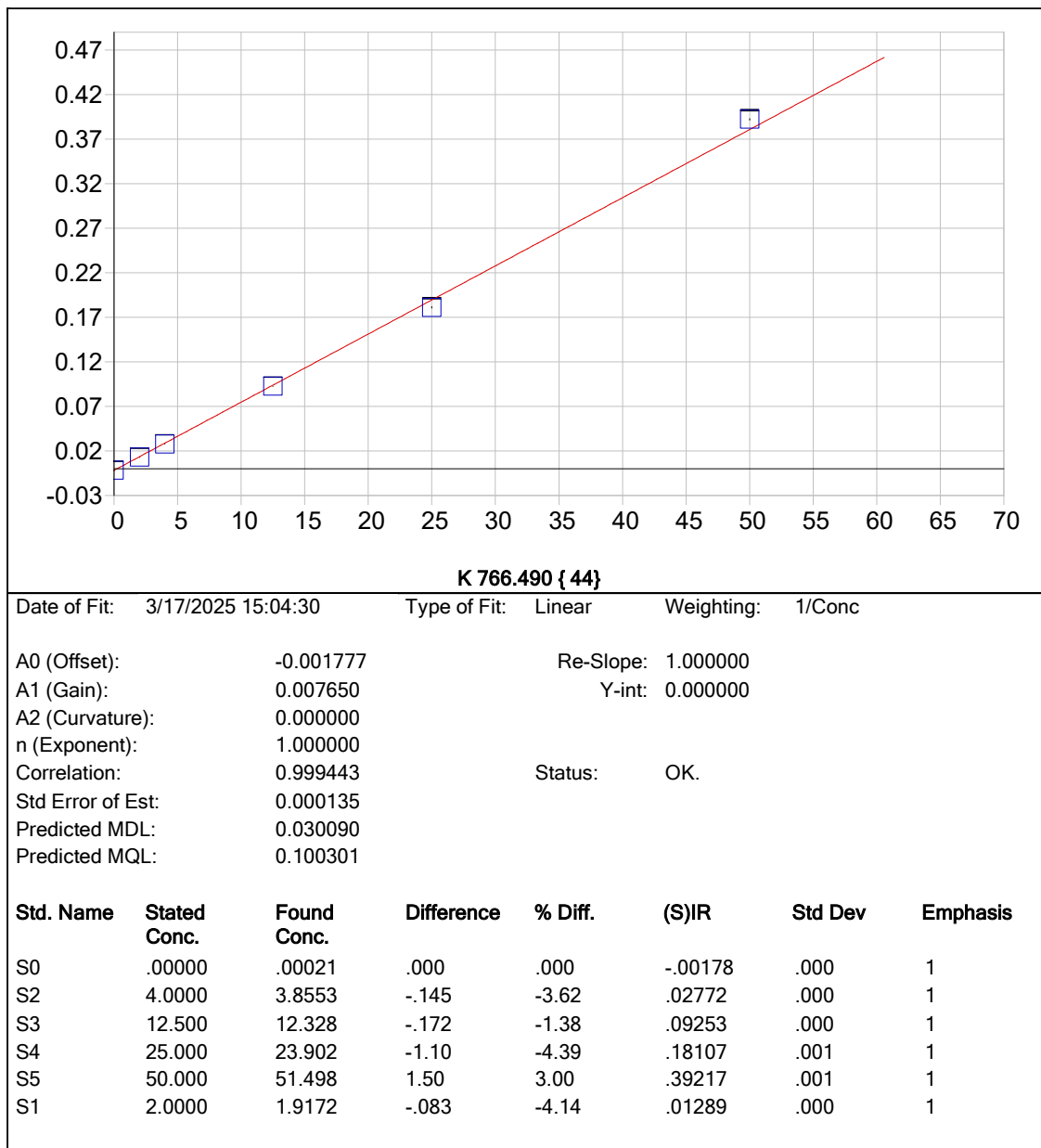


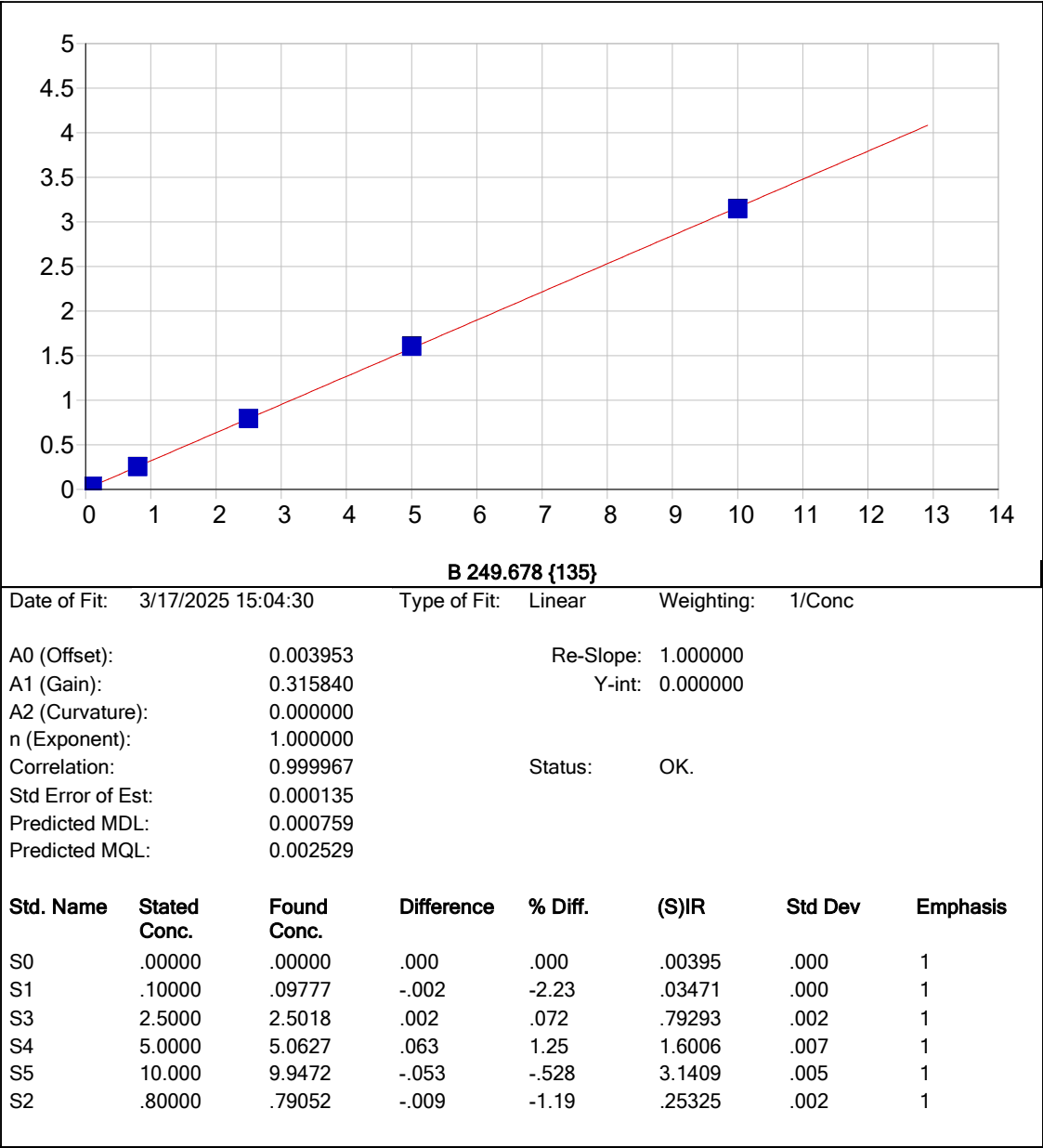


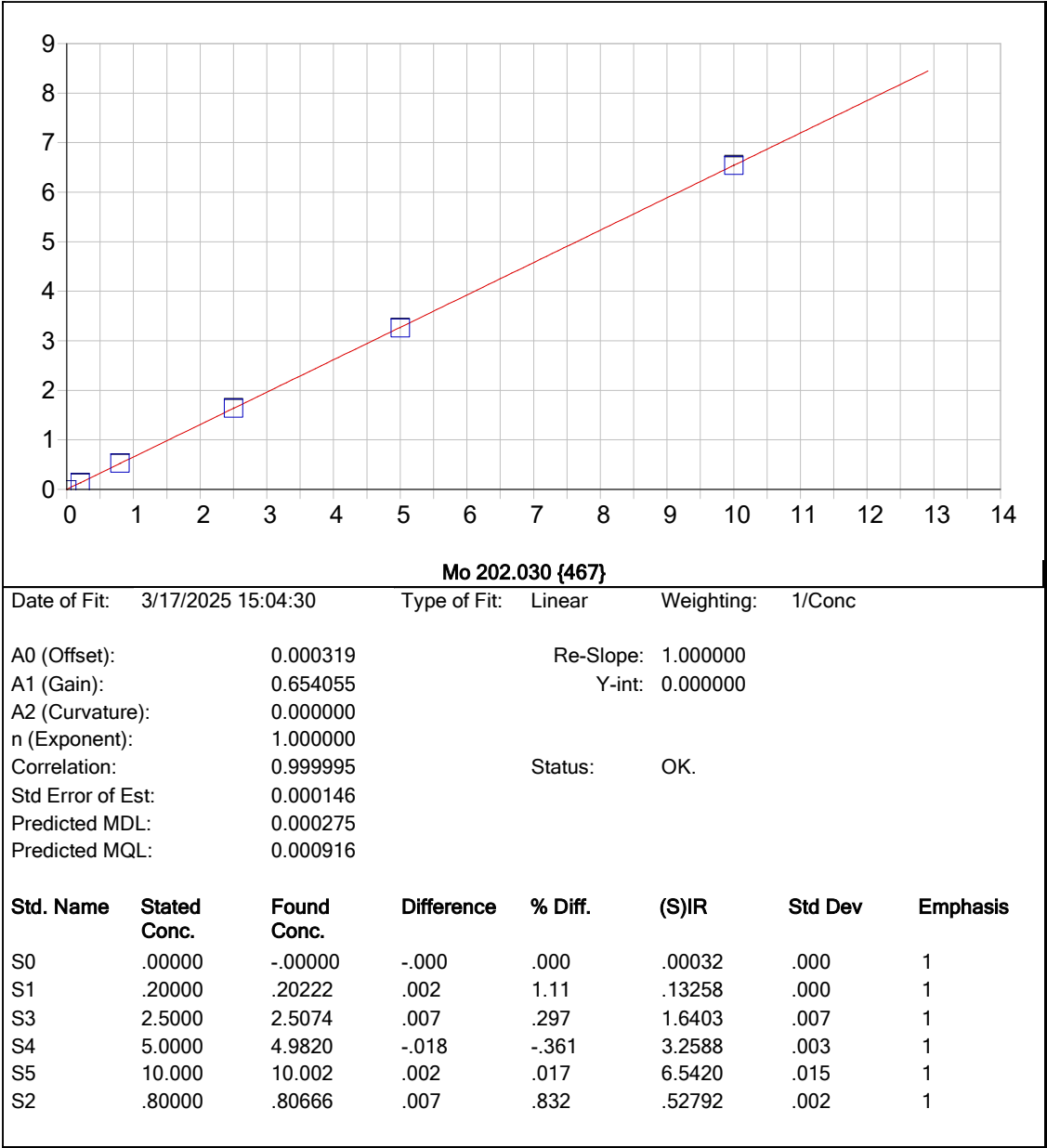


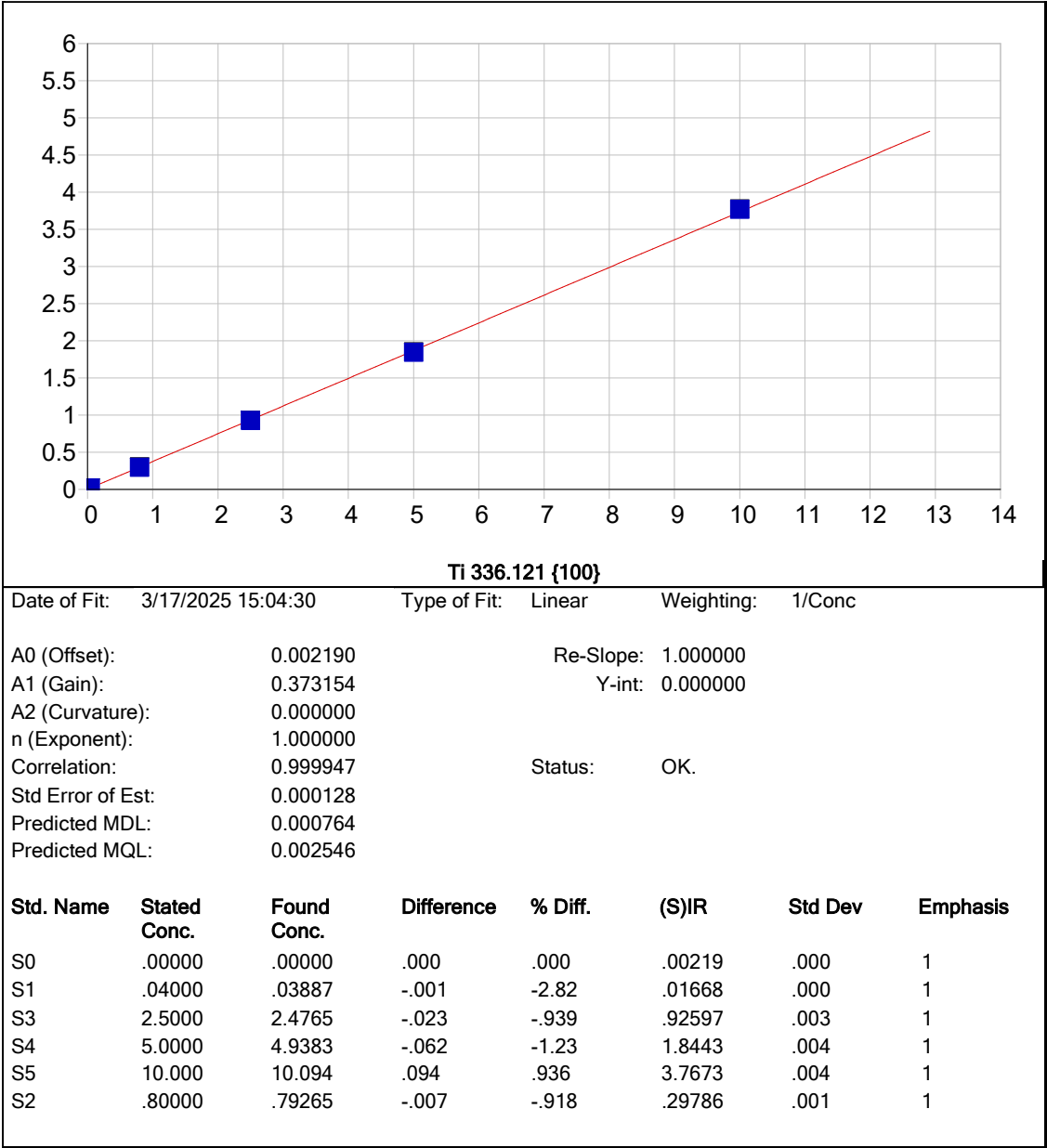


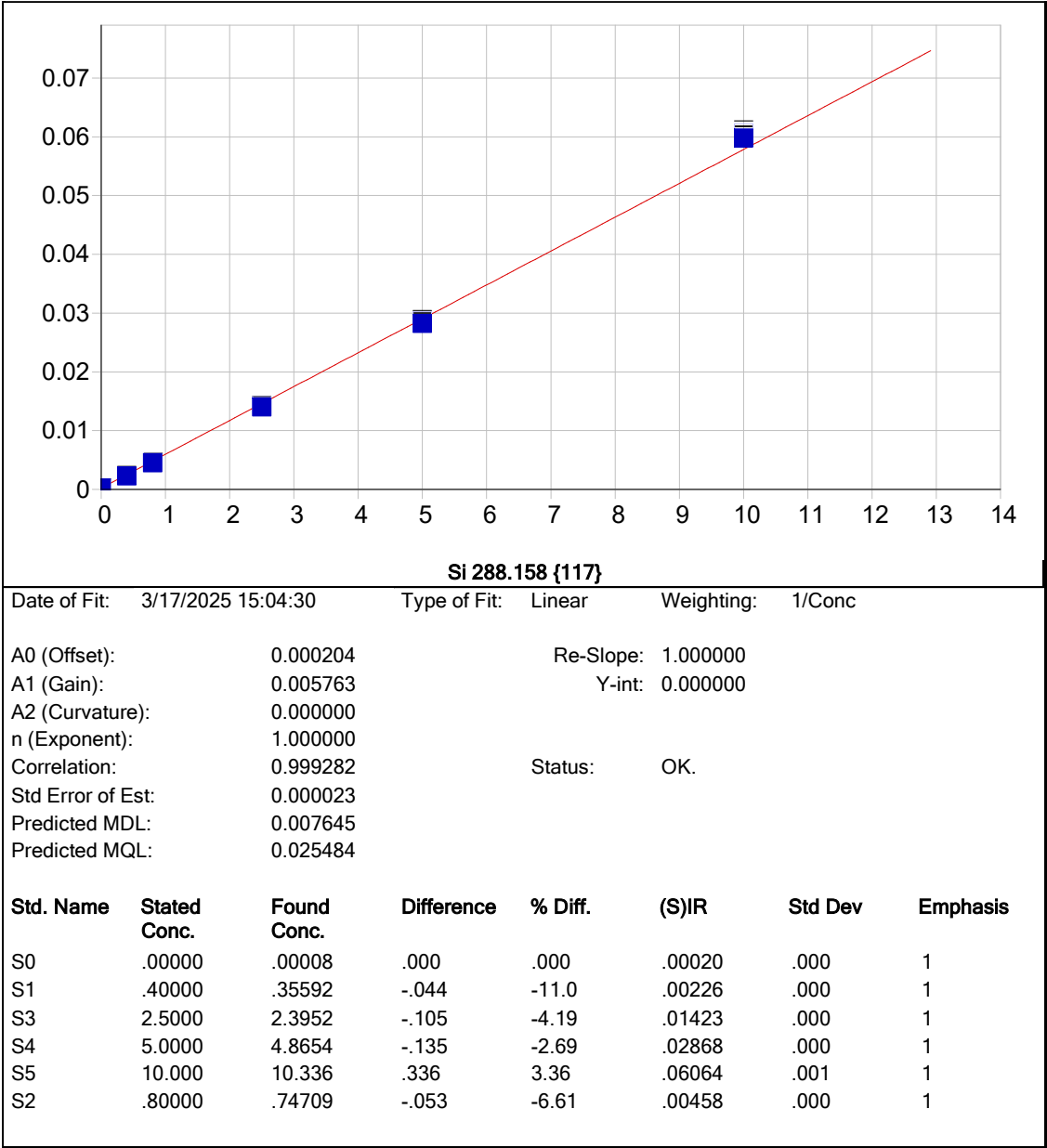


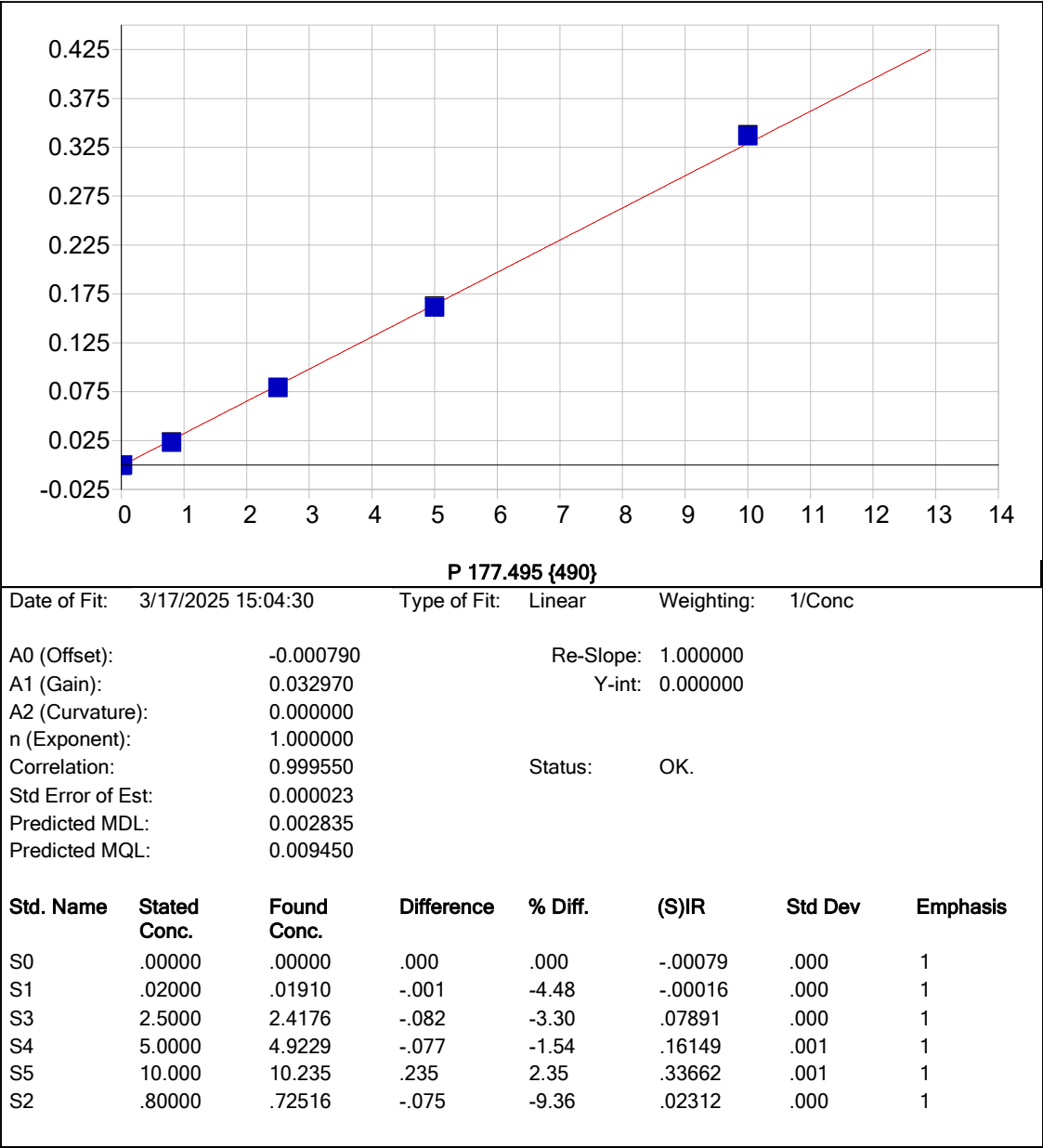


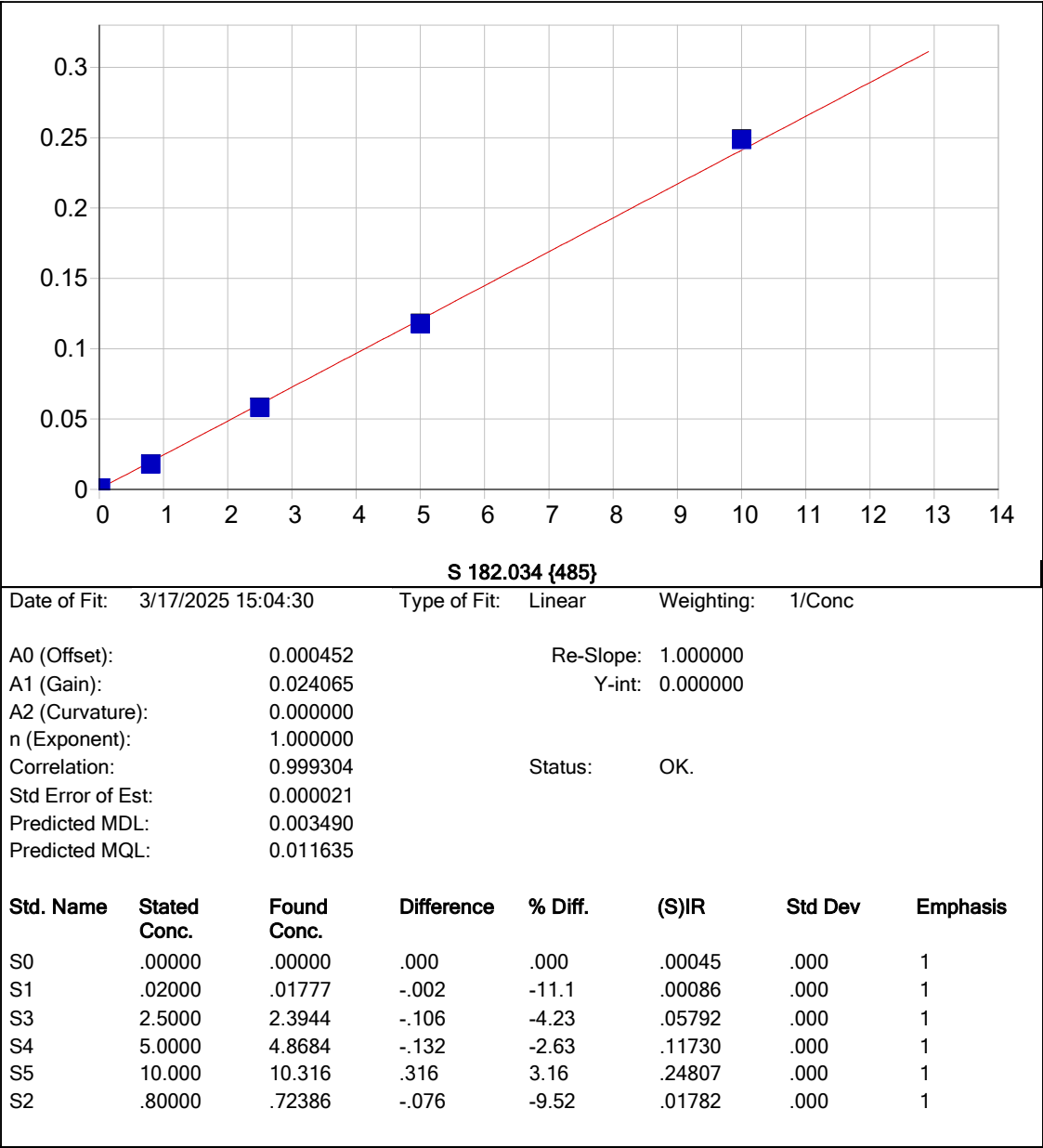


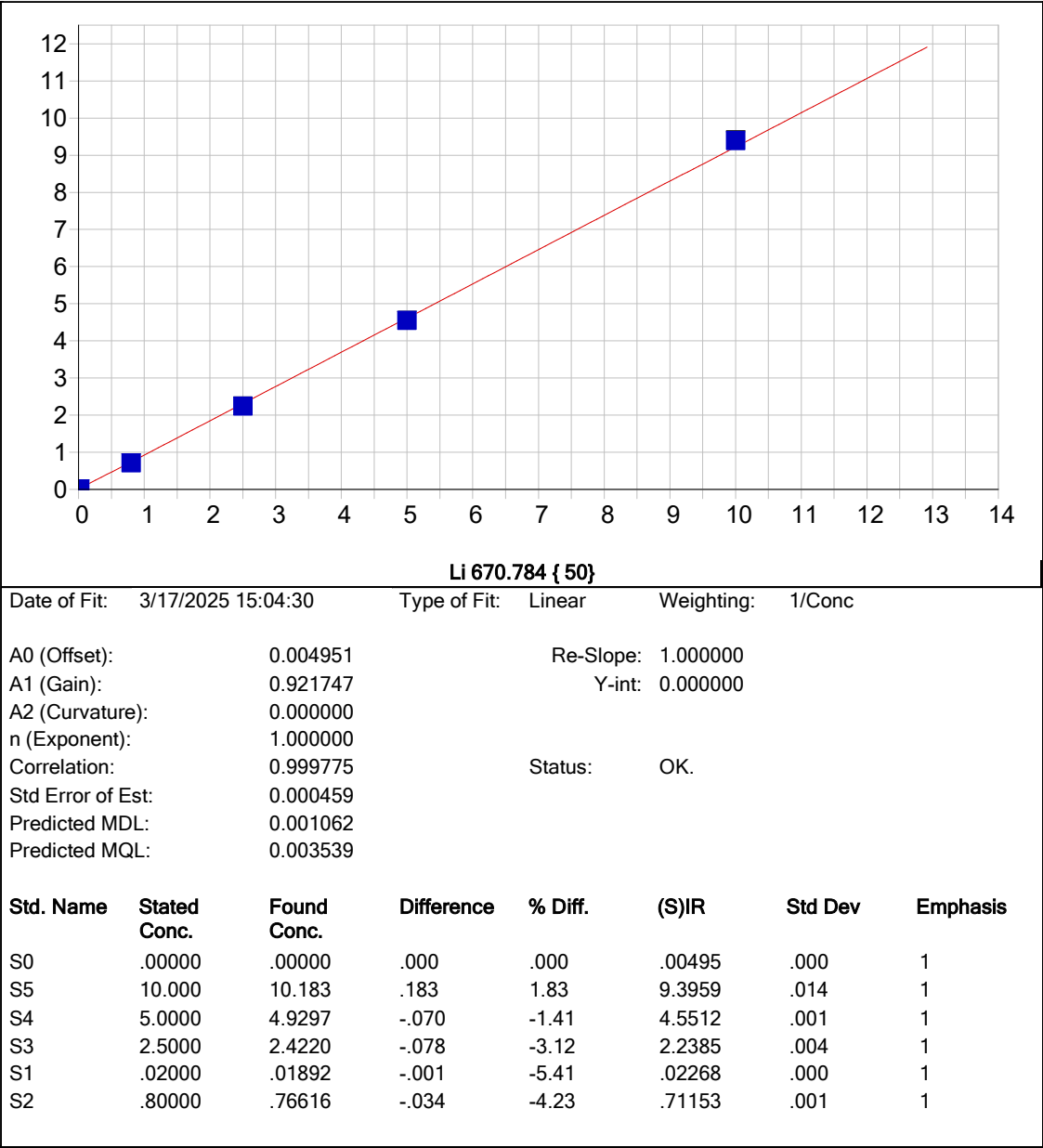


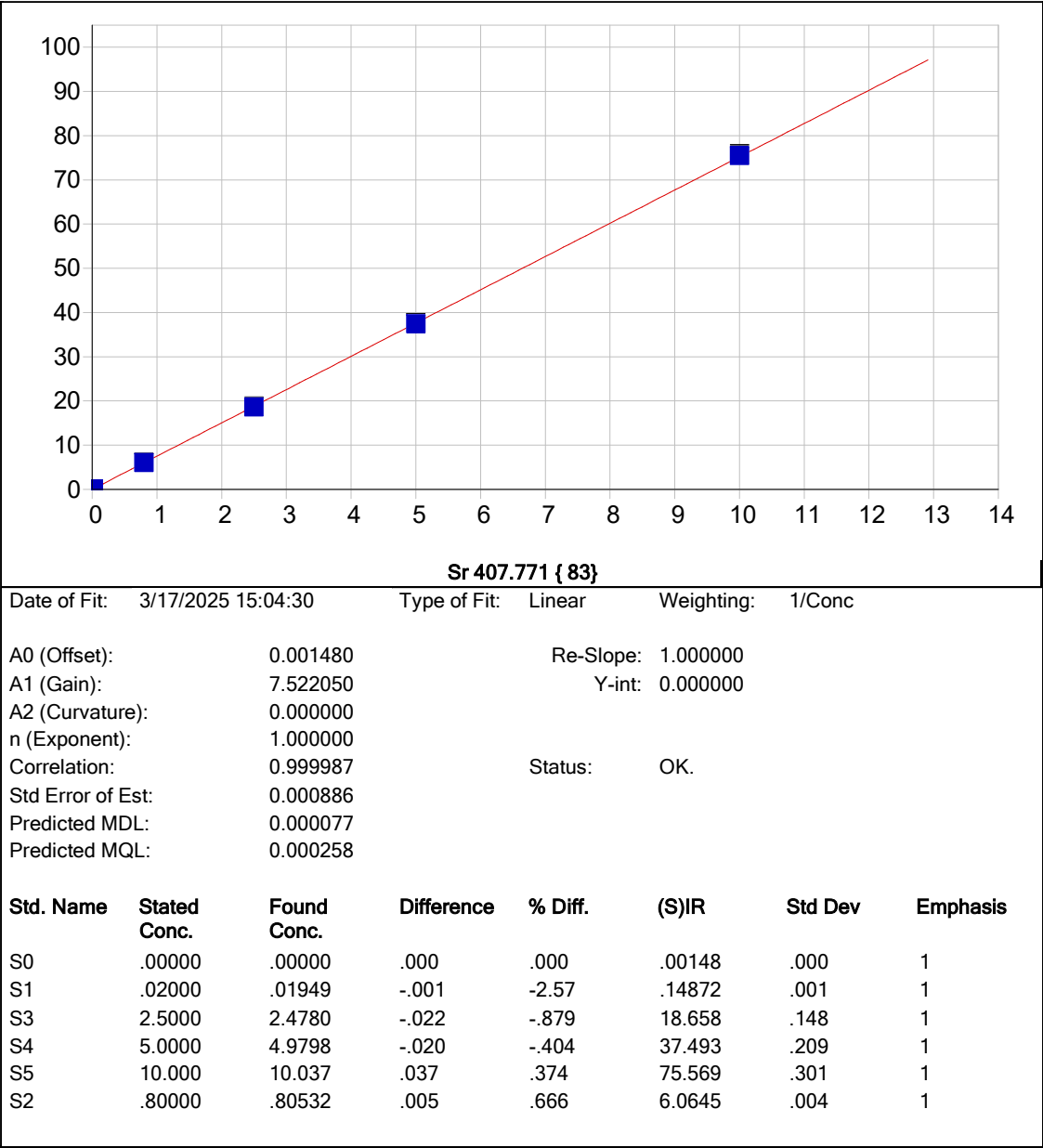


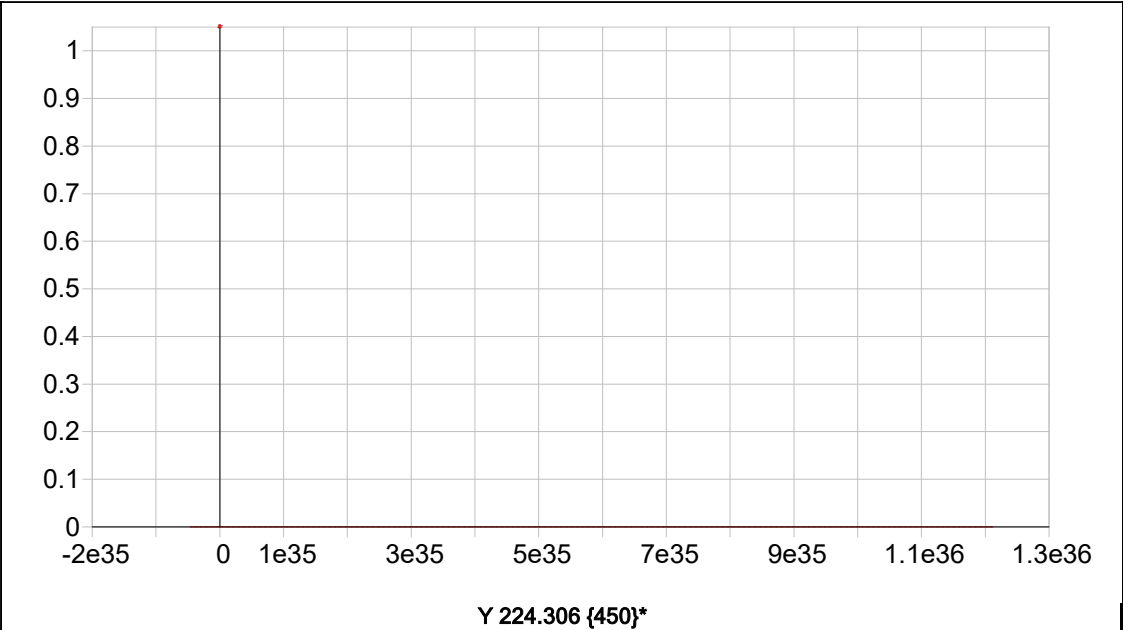






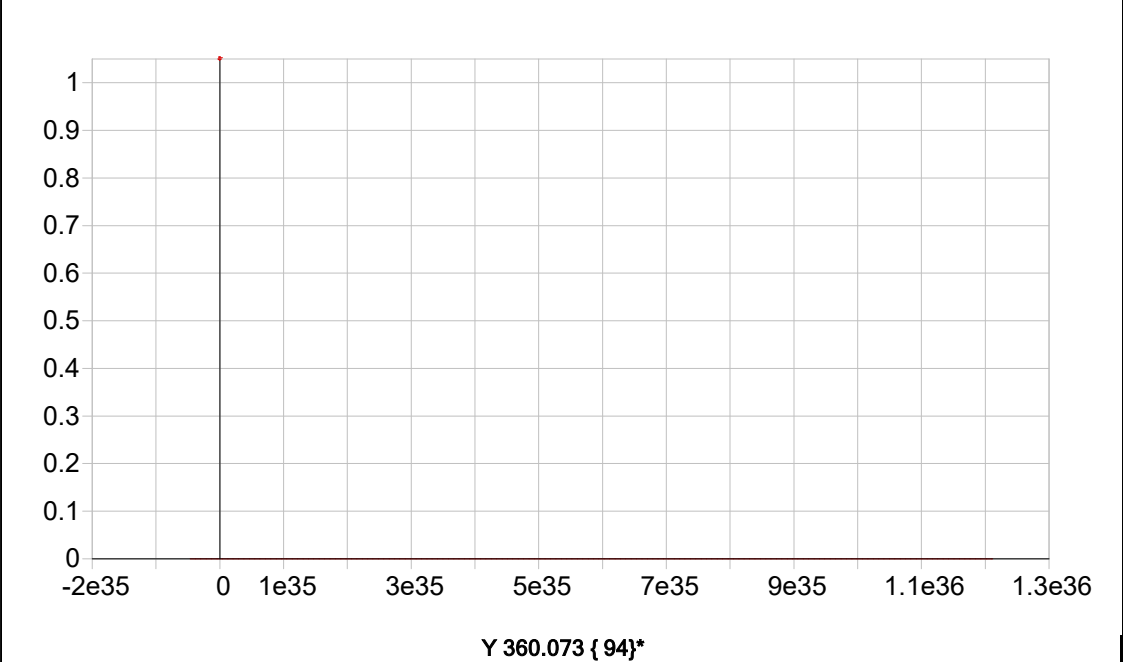




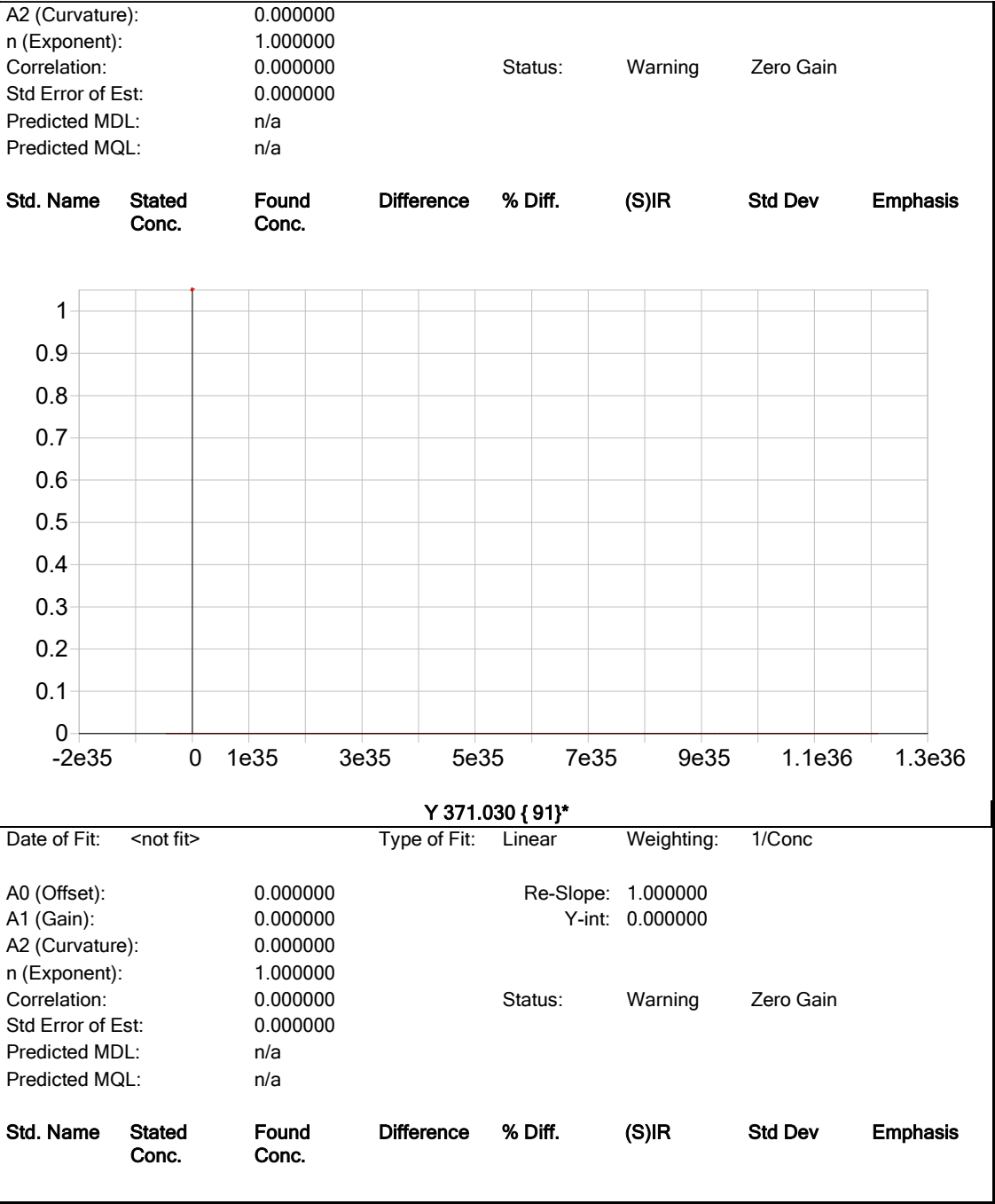


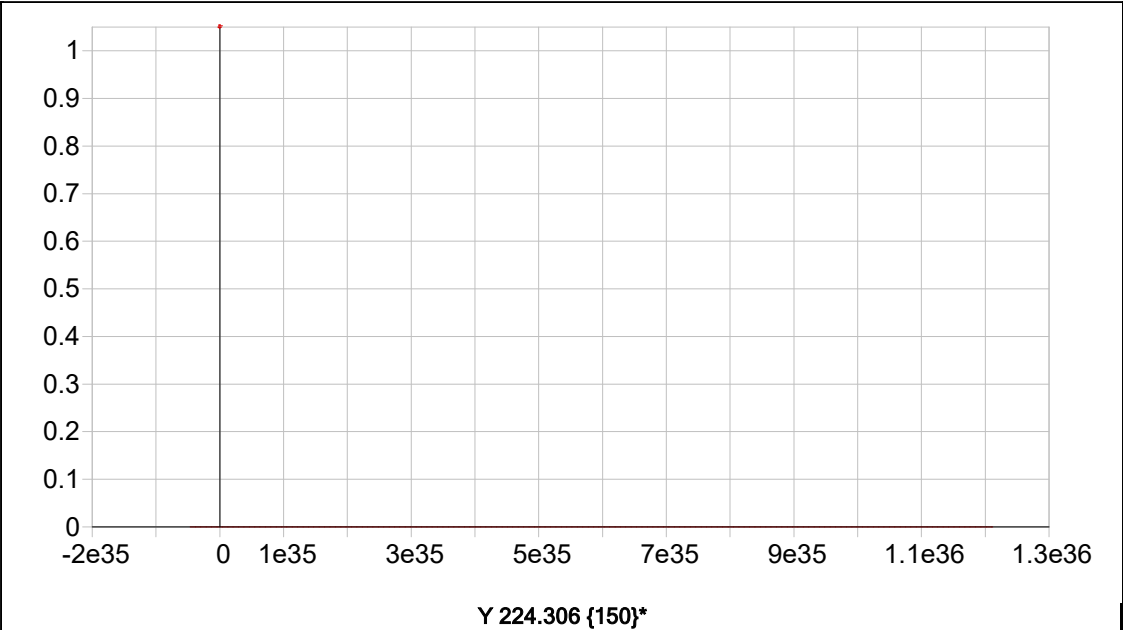
Date of Fit:	3/17/2025 15:04:30	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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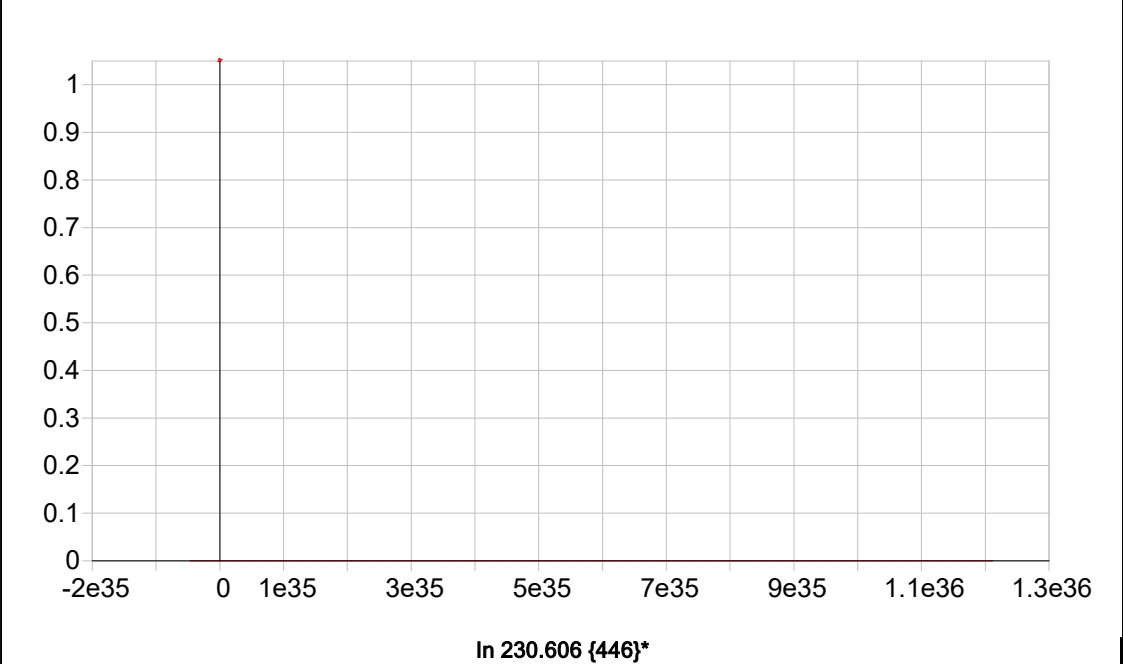
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		





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

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

A2 (Curvature):		0.000000		Status:	Warning	Zero Gain	
n (Exponent):		1.000000					
Correlation:		0.000000					
Std Error of Est:		0.000000					
Predicted MDL:		n/a					
Predicted MQL:		n/a					
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1

2. N/A

Start Digest Date: 03/13/2025 Time : 10:30 Temp : 96 °C

End Digest Date: 03/13/2025 Time : 13:35 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKG.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6003
LFS-1	0.25	M6011
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6126
1:1 HCL	5.00	MP84720
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 1 CELL 55 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/13/25 14:35	SKG. met. dig.	met. dig. LM
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB167119BL	PBW119	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	11
PB167119BS	LCS119	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	12
Q1543-01	ISB878MW02	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	13
Q1543-02	ISB878MW05	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	14
Q1543-02MS	ISB878MW05MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	16
Q1543-02MSD	ISB878MW05MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	17
Q1543-02DUP	ISB878MW05DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	15
Q1553-03	FRAC-TANK-FMI120	<2	50	50	Brown	Colorless	Cloudy	Clear	N/A	18

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB167119

Worklist ID : 188256

Department : Digestion

Date : 03-13-2025 10:11:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1543-01	ISB878MMW02	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	SHAW18	I31	02/27/2025	6010D
Q1543-02	ISB878MMW05	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	SHAW18	I31	02/27/2025	6010D
Q1553-03	FRAC-TANK-FMI120	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	I31	03/12/2025	6010D

Date/Time 03/13/25 10:35

Raw Sample Received by: SPG.mcf.dlg

Raw Sample Relinquished by: JDCSM

Date/Time 03/13/25 11:35

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: SPG.mcf.dlg.

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135063

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	03/17/25 14:05		Kareem	OK
2	S1	S1	CAL2	03/17/25 14:09		Kareem	OK
3	S2	S2	CAL3	03/17/25 14:14		Kareem	OK
4	S3	S3	CAL4	03/17/25 14:18		Kareem	OK
5	S4	S4	CAL5	03/17/25 14:22		Kareem	OK
6	S5	S5	CAL6	03/17/25 14:27		Kareem	OK
7	ICV01	ICV01	ICV	03/17/25 14:31	ICV01 Fail for Be (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/17/25 14:38		Kareem	OK
9	ICB01	ICB01	ICB	03/17/25 14:43		Kareem	OK
10	CRI01	CRI01	CRDL	03/17/25 14:47		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/17/25 14:51		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/17/25 15:02		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/17/25 15:06		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/17/25 15:11		Kareem	OK
15	CCV01	CCV01	CCV	03/17/25 15:15		Kareem	OK
16	CCB01	CCB01	CCB	03/17/25 15:27		Kareem	OK
17	PB167007BL	PB167007BL	MB	03/17/25 15:31		Kareem	OK
18	PB167007BS	PB167007BS	LCS	03/17/25 15:35		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135063

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	PB167119BL	PB167119BL	MB	03/17/25 15:39		Kareem	OK
20	PB167119BS	PB167119BS	LCS	03/17/25 15:44		Kareem	OK
21	Q1543-01	ISB878MW02	SAM	03/17/25 15:48		Kareem	OK
22	Q1543-02	ISB878MW05	SAM	03/17/25 15:52		Kareem	OK
23	Q1543-02DUP	ISB878MW05DUP	DUP	03/17/25 15:56		Kareem	OK
24	Q1543-02L	ISB878MW05L	SD	03/17/25 16:01		Kareem	OK
25	Q1543-02MS	ISB878MW05MS	MS	03/17/25 16:05		Kareem	OK
26	Q1543-02MSD	ISB878MW05MSD	MSD	03/17/25 16:09		Kareem	OK
27	CCV02	CCV02	CCV	03/17/25 16:13		Kareem	OK
28	CCB02	CCB02	CCB	03/17/25 16:17		Kareem	OK
29	Q1553-03	FRAC-TANK-FMI120	SAM	03/17/25 16:22		Kareem	OK
30	Q1543-02A	ISB878MW05A	PS	03/17/25 16:26		Kareem	OK
31	Q1568-04	JC-03-03132025	SAM	03/17/25 16:30		Kareem	OK
32	Q1568-04DUP	JC-03-03132025DUP	DUP	03/17/25 16:35		Kareem	OK
33	Q1568-04L	JC-03-03132025L	SD	03/17/25 16:39		Kareem	OK
34	Q1568-04MS	JC-03-03132025MS	MS	03/17/25 16:43		Kareem	OK
35	Q1568-04MSD	JC-03-03132025MSD	MSD	03/17/25 16:47		Kareem	OK
36	Q1568-04A	JC-03-03132025A	PS	03/17/25 16:52		Kareem	OK
37	PB167133TB	PB167133TB	MB	03/17/25 16:56		Kareem	OK
38	PB167161BL	PB167161BL	MB	03/17/25 17:00		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135063

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	03/17/25 17:05		Kareem	OK
40	CCB03	CCB03	CCB	03/17/25 17:09		Kareem	OK
41	PB167161BS	PB167161BS	LCS	03/17/25 17:13		Kareem	OK
42	Q1566-01	CTWK-COMP	SAM	03/17/25 17:17		Kareem	OK
43	Q1568-01	JC-03-03132025	SAM	03/17/25 17:21		Kareem	OK
44	Q1568-01DUP	JC-03-03132025DUP	DUP	03/17/25 17:25		Kareem	OK
45	Q1568-01L	JC-03-03132025L	SD	03/17/25 17:29		Kareem	OK
46	Q1568-01MS	JC-03-03132025MS	MS	03/17/25 17:34		Kareem	OK
47	Q1568-01MSD	JC-03-03132025MSD	MSD	03/17/25 17:38		Kareem	OK
48	Q1568-01A	JC-03-03132025A	PS	03/17/25 17:43		Kareem	OK
49	CCV04	CCV04	CCV	03/17/25 17:51		Kareem	OK
50	CCB04	CCB04	CCB	03/17/25 17:55		Kareem	OK
51	LR1	LR1	HIGH STD	03/17/25 17:59		Kareem	OK
52	LR2	LR2	HIGH STD	03/17/25 18:04		Kareem	OK
53	PB167132BL	PB167132BL	MB	03/17/25 18:10		Kareem	OK
54	PB167132BS	PB167132BS	LCS	03/17/25 18:14		Kareem	OK
55	CCV05	CCV05	CCV	03/17/25 18:18		Kareem	OK
56	CCB05	CCB05	CCB	03/17/25 18:22		Kareem	OK



SHIPPING DOCUMENTS

 17 Princess Rd
Lawrenceville, NJ 08648
609-895-5370/ 609-895-1858
Aptim Federal Services, LLC

Laboratory Certification

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