

Cover Page

Order ID : Q1322

Project ID : Outfall 001 - Orangetown Dis Permit 2025

Client : Spectra East Inc.

Lab Sample Number

Q1322-01
Q1322-02
Q1322-03
Q1322-04

Client Sample Number

MANHOLE
Q1322-01MS
Q1322-01MSD
MANHOLE

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

Signature : _____

Date: 2/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- INORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1322

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRIYANKA DAVE

Date: 02/14/2025

LAB CHRONICLE

OrderID:	Q1322	OrderDate:	2/6/2025 1:17:00 PM
Client:	Spectra East Inc.	Project:	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	Location:	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1322-01	MANHOLE	Water			02/06/25			02/06/25
			Mercury	245.1		02/11/25	02/11/25	
			Metals ICP-Group1	200.7		02/17/25	02/18/25	



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Hit Summary Sheet
SW-846

SDG No.: Q1322
Client: Spectra East Inc.

Order ID: Q1322
Project ID: Outfall 001 - Orangetown Dis Permit 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MANHOLE								
Q1322-01	MANHOLE	Water	Copper	56.3		1.52	10.0	ug/L
Q1322-01	MANHOLE	Water	Zinc	140		1.44	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Spectra East Inc.	Date Collected:	02/06/25
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	02/06/25
Client Sample ID:	MANHOLE	SDG No.:	Q1322
Lab Sample ID:	Q1322-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	2.84	U	1	2.84	10.0	ug/L	02/17/25 09:00	02/18/25 12:50	EPA 200.7	
7440-41-7	Beryllium	0.19	U	1	0.19	3.00	ug/L	02/17/25 09:00	02/18/25 12:50	EPA 200.7	
7440-43-9	Cadmium	0.21	U	1	0.21	3.00	ug/L	02/17/25 09:00	02/18/25 12:50	EPA 200.7	
7440-47-3	Chromium	0.52	U	1	0.52	5.00	ug/L	02/17/25 09:00	02/18/25 12:50	EPA 200.7	
7440-50-8	Copper	56.3		1	1.52	10.0	ug/L	02/17/25 09:00	02/18/25 12:50	EPA 200.7	
7439-92-1	Lead	1.57	U	1	1.57	6.00	ug/L	02/17/25 09:00	02/18/25 12:50	EPA 200.7	
7439-97-6	Mercury	0.022	U	1	0.022	0.20	ug/L	02/11/25 13:00	02/11/25 15:50	E245.1	
7440-02-0	Nickel	1.28	U	1	1.28	20.0	ug/L	02/17/25 09:00	02/18/25 12:50	EPA 200.7	
7782-49-2	Selenium	3.07	U	1	3.07	10.0	ug/L	02/17/25 09:00	02/18/25 12:50	EPA 200.7	
7440-22-4	Silver	0.83	U	1	0.83	5.00	ug/L	02/17/25 09:00	02/18/25 12:50	EPA 200.7	
7440-66-6	Zinc	140		1	1.44	20.0	ug/L	02/17/25 09:00	02/18/25 12:50	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

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

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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. **SDG No.:** Q1322
Contract: SPEC01 **Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV96	Mercury	3.85	4.0	96	95 - 105	CV	02/11/2025	15:17	LB134671

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. **SDG No.:** Q1322
Contract: SPEC01 **Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV56	Mercury	5.24	5.0	105	90 - 110	CV	02/11/2025	15:21	LB134671
CCV57	Mercury	5.01	5.0	100	90 - 110	CV	02/11/2025	15:59	LB134671
CCV58	Mercury	5.17	5.0	103	90 - 110	CV	02/11/2025	16:20	LB134671

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. SDG No.: Q1322
Contract: SPEC01 Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322
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	Arsenic	1020	1000	102	95 - 105	P	02/18/2025	11:58	LB134743
	Beryllium	519	510	102	95 - 105	P	02/18/2025	11:58	LB134743
	Cadmium	496	510	97	95 - 105	P	02/18/2025	11:58	LB134743
	Chromium	514	520	99	95 - 105	P	02/18/2025	11:58	LB134743
	Copper	514	510	101	95 - 105	P	02/18/2025	11:58	LB134743
	Lead	992	1000	99	95 - 105	P	02/18/2025	11:58	LB134743
	Nickel	552	530	104	95 - 105	P	02/18/2025	11:58	LB134743
	Selenium	1020	1000	102	95 - 105	P	02/18/2025	11:58	LB134743
	Silver	250	250	100	95 - 105	P	02/18/2025	11:58	LB134743
	Zinc	985	1000	98	95 - 105	P	02/18/2025	11:58	LB134743

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. SDG No.: Q1322
Contract: SPEC01 Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322
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	Arsenic	23.3	20.0	116	80 - 120	P	02/18/2025	12:10	LB134743
	Beryllium	5.62	6.0	94	80 - 120	P	02/18/2025	12:10	LB134743
	Cadmium	6.01	6.0	100	80 - 120	P	02/18/2025	12:10	LB134743
	Chromium	10.2	10.0	102	80 - 120	P	02/18/2025	12:10	LB134743
	Copper	21.8	20.0	109	80 - 120	P	02/18/2025	12:10	LB134743
	Lead	12.0	12.0	100	80 - 120	P	02/18/2025	12:10	LB134743
	Nickel	38.6	40.0	97	80 - 120	P	02/18/2025	12:10	LB134743
	Selenium	19.8	20.0	99	80 - 120	P	02/18/2025	12:10	LB134743
	Silver	10.4	10.0	104	80 - 120	P	02/18/2025	12:10	LB134743
	Zinc	45.2	40.0	113	80 - 120	P	02/18/2025	12:10	LB134743

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. **SDG No.:** Q1322

Contract: SPEC01 **Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322

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	Arsenic	4940	5000	99	90 - 110	P	02/18/2025	12:41	LB134743
	Beryllium	244	250	98	90 - 110	P	02/18/2025	12:41	LB134743
	Cadmium	2470	2500	99	90 - 110	P	02/18/2025	12:41	LB134743
	Chromium	1000	1000	100	90 - 110	P	02/18/2025	12:41	LB134743
	Copper	1250	1250	100	90 - 110	P	02/18/2025	12:41	LB134743
	Lead	4940	5000	99	90 - 110	P	02/18/2025	12:41	LB134743
	Nickel	2470	2500	99	90 - 110	P	02/18/2025	12:41	LB134743
	Selenium	4960	5000	99	90 - 110	P	02/18/2025	12:41	LB134743
	Silver	1250	1250	100	90 - 110	P	02/18/2025	12:41	LB134743
	Zinc	2490	2500	100	90 - 110	P	02/18/2025	12:41	LB134743
CCV02	Arsenic	5030	5000	101	90 - 110	P	02/18/2025	13:32	LB134743
	Beryllium	244	250	98	90 - 110	P	02/18/2025	13:32	LB134743
	Cadmium	2470	2500	99	90 - 110	P	02/18/2025	13:32	LB134743
	Chromium	1000	1000	100	90 - 110	P	02/18/2025	13:32	LB134743
	Copper	1270	1250	102	90 - 110	P	02/18/2025	13:32	LB134743
	Lead	4950	5000	99	90 - 110	P	02/18/2025	13:32	LB134743
	Nickel	2480	2500	99	90 - 110	P	02/18/2025	13:32	LB134743
	Selenium	5040	5000	101	90 - 110	P	02/18/2025	13:32	LB134743
	Silver	1250	1250	100	90 - 110	P	02/18/2025	13:32	LB134743
	Zinc	2510	2500	100	90 - 110	P	02/18/2025	13:32	LB134743
CCV03	Arsenic	5000	5000	100	90 - 110	P	02/18/2025	14:23	LB134743
	Beryllium	235	250	94	90 - 110	P	02/18/2025	14:23	LB134743
	Cadmium	2450	2500	98	90 - 110	P	02/18/2025	14:23	LB134743
	Chromium	993	1000	99	90 - 110	P	02/18/2025	14:23	LB134743
	Copper	1260	1250	100	90 - 110	P	02/18/2025	14:23	LB134743
	Lead	4910	5000	98	90 - 110	P	02/18/2025	14:23	LB134743
	Nickel	2460	2500	98	90 - 110	P	02/18/2025	14:23	LB134743
	Selenium	5040	5000	101	90 - 110	P	02/18/2025	14:23	LB134743
	Silver	1240	1250	99	90 - 110	P	02/18/2025	14:23	LB134743
	Zinc	2470	2500	99	90 - 110	P	02/18/2025	14:23	LB134743
CCV04	Arsenic	4680	5000	94	90 - 110	P	02/18/2025	15:19	LB134743
	Beryllium	239	250	96	90 - 110	P	02/18/2025	15:19	LB134743
	Cadmium	2340	2500	94	90 - 110	P	02/18/2025	15:19	LB134743
	Chromium	960	1000	96	90 - 110	P	02/18/2025	15:19	LB134743

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc. SDG No.: Q1322
Contract: SPEC01 Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322
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	Copper	1200	1250	96	90 - 110	P	02/18/2025	15:19	LB134743
	Lead	4700	5000	94	90 - 110	P	02/18/2025	15:19	LB134743
	Nickel	2360	2500	94	90 - 110	P	02/18/2025	15:19	LB134743
	Selenium	4700	5000	94	90 - 110	P	02/18/2025	15:19	LB134743
	Silver	1210	1250	96	90 - 110	P	02/18/2025	15:19	LB134743
	Zinc	2380	2500	95	90 - 110	P	02/18/2025	15:19	LB134743
CCV05	Arsenic	4890	5000	98	90 - 110	P	02/18/2025	16:06	LB134743
	Beryllium	229	250	92	90 - 110	P	02/18/2025	16:06	LB134743
	Cadmium	2390	2500	96	90 - 110	P	02/18/2025	16:06	LB134743
	Chromium	957	1000	96	90 - 110	P	02/18/2025	16:06	LB134743
	Copper	1240	1250	99	90 - 110	P	02/18/2025	16:06	LB134743
	Lead	4790	5000	96	90 - 110	P	02/18/2025	16:06	LB134743
	Nickel	2400	2500	96	90 - 110	P	02/18/2025	16:06	LB134743
	Selenium	4930	5000	99	90 - 110	P	02/18/2025	16:06	LB134743
	Silver	1210	1250	96	90 - 110	P	02/18/2025	16:06	LB134743
	Zinc	2360	2500	94	90 - 110	P	02/18/2025	16:06	LB134743



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Metals

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CRDL STANDARD FOR AA & ICP

Client: Spectra East Inc. **SDG No.:** Q1322
Contract: SPEC01 **Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.055	0.05	111	40 - 160	CV	02/11/2025	15:28	LB134671
CRI01	Arsenic	22.9	20.0	114	40 - 160	P	02/18/2025	12:18	LB134743
	Beryllium	5.61	6.0	94	40 - 160	P	02/18/2025	12:18	LB134743
	Cadmium	6.11	6.0	102	40 - 160	P	02/18/2025	12:18	LB134743
	Chromium	10.3	10.0	103	40 - 160	P	02/18/2025	12:18	LB134743
	Copper	21.9	20.0	110	40 - 160	P	02/18/2025	12:18	LB134743
	Lead	13.4	12.0	111	40 - 160	P	02/18/2025	12:18	LB134743
	Nickel	39.0	40.0	98	40 - 160	P	02/18/2025	12:18	LB134743
	Selenium	19.6	20.0	98	40 - 160	P	02/18/2025	12:18	LB134743
	Silver	10.3	10.0	103	40 - 160	P	02/18/2025	12:18	LB134743
	Zinc	44.3	40.0	111	40 - 160	P	02/18/2025	12:18	LB134743



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Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>Spectra East Inc.</u>				SDG No.:	<u>Q1322</u>			
Contract:	<u>SPEC01</u>	Lab Code:	<u>CHEM</u>		Case No.:	<u>Q1322</u>	SAS No.:	<u>Q1322</u>	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB96	Mercury	0.20	+/-0.20	U	0.20	CV	02/11/2025	15:19	LB134671

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Spectra East Inc.				SDG No.:	Q1322				
Contract:	SPEC01	Lab Code:	CHEM		Case No.:	Q1322		SAS No.:	Q1322	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
CCB56	Mercury	0.20	+/-0.20	U	0.20	CV	02/11/2025	15:24	LB134671	
CCB57	Mercury	0.20	+/-0.20	U	0.20	CV	02/11/2025	16:02	LB134671	
CCB58	Mercury	0.20	+/-0.20	U	0.20	CV	02/11/2025	16:22	LB134671	

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Spectra East Inc.</u>		SDG No.: <u>Q1322</u>							
Contract: <u>SPEC01</u>		Lab Code: <u>CHEM</u>		Case No.: <u>Q1322</u>		SAS No.: <u>Q1322</u>			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	12:14	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	12:14	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	12:14	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	12:14	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	12:14	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	12:14	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	12:14	LB134743
	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	12:14	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	12:14	LB134743
	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	12:14	LB134743

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc.		SDG No.: Q1322							
Contract: SPEC01	Lab Code: CHEM	Case No.: Q1322	SAS No.: Q1322						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	12:45	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	12:45	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	12:45	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	12:45	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	12:45	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	12:45	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	12:45	LB134743
	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	12:45	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	12:45	LB134743
	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	12:45	LB134743
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	13:36	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	13:36	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	13:36	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	13:36	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	13:36	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	13:36	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	13:36	LB134743
	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	13:36	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	13:36	LB134743
	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	13:36	LB134743
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	14:27	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	14:27	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	14:27	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	14:27	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	14:27	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	14:27	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	14:27	LB134743
	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	14:27	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	14:27	LB134743
	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	14:27	LB134743
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	15:23	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	15:23	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	15:23	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	15:23	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	15:23	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	15:23	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	15:23	LB134743
	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	15:23	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	15:23	LB134743

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Spectra East Inc.</u>		SDG No.: <u>Q1322</u>							
Contract: <u>SPEC01</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q1322</u>	SAS No.: <u>Q1322</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	15:23	LB134743
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	02/18/2025	16:11	LB134743
	Beryllium	6.00	+/-6.00	U	6.00	P	02/18/2025	16:11	LB134743
	Cadmium	6.00	+/-6.00	U	6.00	P	02/18/2025	16:11	LB134743
	Chromium	10.0	+/-10.0	U	10.0	P	02/18/2025	16:11	LB134743
	Copper	20.0	+/-20.0	U	20.0	P	02/18/2025	16:11	LB134743
	Lead	12.0	+/-12.0	U	12.0	P	02/18/2025	16:11	LB134743
	Nickel	40.0	+/-40.0	U	40.0	P	02/18/2025	16:11	LB134743
	Selenium	20.0	+/-20.0	U	20.0	P	02/18/2025	16:11	LB134743
	Silver	10.0	+/-10.0	U	10.0	P	02/18/2025	16:11	LB134743
	Zinc	40.0	+/-40.0	U	40.0	P	02/18/2025	16:11	LB134743

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>Spectra East Inc.</u>				SDG No.:	<u>Q1322</u>			
Contract:	<u>SPEC01</u>	Lab Code:	<u>CHEM</u>		Case No.:	<u>Q1322</u>	SAS No.:	<u>Q1322</u>	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q1322

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166684BL		WATER		Batch Number:	PB166684		Prep Date:	02/11/2025	
	Mercury	0.20	<0.20	U	0.20	CV	02/11/2025	15:35	LB134671

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q1322

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166737BL	WATER			Batch Number:	PB166737		Prep Date:	02/17/2025	
	Arsenic	10.0	<10.0	U	10.0	P	02/18/2025	13:15	LB134743
	Beryllium	3.00	<3.00	U	3.00	P	02/18/2025	13:15	LB134743
	Cadmium	3.00	<3.00	U	3.00	P	02/18/2025	13:15	LB134743
	Chromium	0.52	<5.00	J	5.00	P	02/18/2025	13:15	LB134743
	Copper	10.0	<10.0	U	10.0	P	02/18/2025	13:15	LB134743
	Lead	6.00	<6.00	U	6.00	P	02/18/2025	13:15	LB134743
	Nickel	20.0	<20.0	U	20.0	P	02/18/2025	13:15	LB134743
	Selenium	10.0	<10.0	U	10.0	P	02/18/2025	13:15	LB134743
	Silver	5.00	<5.00	U	5.00	P	02/18/2025	13:15	LB134743
	Zinc	1.52	<20.0	J	20.0	P	02/18/2025	13:15	LB134743

Metals
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INTERFERENCE CHECK SAMPLE

Client: Spectra East Inc. **SDG No.:** Q1322
Contract: SPEC01 **Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322
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	Arsenic	-0.10			-20	20	02/18/2025	12:23	LB134743
	Beryllium	1.24			-6	6	02/18/2025	12:23	LB134743
	Cadmium	-0.11	1.0	11	-5	7	02/18/2025	12:23	LB134743
	Chromium	56.4	52.0	108	42	62	02/18/2025	12:23	LB134743
	Copper	17.7	2.0	885	-18	22	02/18/2025	12:23	LB134743
	Lead	6.91			-12	12	02/18/2025	12:23	LB134743
	Nickel	2.40	2.0	120	-38	42	02/18/2025	12:23	LB134743
	Selenium	-16.8			-20	20	02/18/2025	12:23	LB134743
	Silver	-1.82			-10	10	02/18/2025	12:23	LB134743
	Zinc	3.88			-40	40	02/18/2025	12:23	LB134743
ICSAB01	Arsenic	119	104	114	88.4	120	02/18/2025	12:29	LB134743
	Beryllium	476	495	96	420	570	02/18/2025	12:29	LB134743
	Cadmium	1010	972	104	826	1120	02/18/2025	12:29	LB134743
	Chromium	566	542	104	460	624	02/18/2025	12:29	LB134743
	Copper	505	511	99	434	588	02/18/2025	12:29	LB134743
	Lead	55.8	49.0	114	37	61	02/18/2025	12:29	LB134743
	Nickel	1000	954	105	810	1100	02/18/2025	12:29	LB134743
	Selenium	33.0	46.0	72	26	66	02/18/2025	12:29	LB134743
	Silver	217	201	108	170	232	02/18/2025	12:29	LB134743
	Zinc	1040	952	109	809	1095	02/18/2025	12:29	LB134743
ICSA	Arsenic	23.0			-20	20	02/18/2025	12:33	LB134743
	Beryllium	1.84			-6	6	02/18/2025	12:33	LB134743
	Cadmium	-0.94	1.0	94	-5	7	02/18/2025	12:33	LB134743
	Chromium	59.3	52.0	114	42	62	02/18/2025	12:33	LB134743
	Copper	23.3	2.0	1165	-18	22	02/18/2025	12:33	LB134743
	Lead	10.9			-12	12	02/18/2025	12:33	LB134743
	Nickel	5.41	2.0	270	-38	42	02/18/2025	12:33	LB134743
	Selenium	-35.7			-20	20	02/18/2025	12:33	LB134743
	Silver	-2.58			-10	10	02/18/2025	12:33	LB134743
	Zinc	-10.8			-40	40	02/18/2025	12:33	LB134743
ICSAB	Arsenic	147	104	141	88.4	120	02/18/2025	12:37	LB134743
	Beryllium	620	495	125	420	570	02/18/2025	12:37	LB134743
	Cadmium	1220	972	126	826	1120	02/18/2025	12:37	LB134743
	Chromium	701	542	129	460	624	02/18/2025	12:37	LB134743
	Copper	647	511	127	434	588	02/18/2025	12:37	LB134743
	Lead	69.5	49.0	142	37	61	02/18/2025	12:37	LB134743
	Nickel	1230	954	129	810	1100	02/18/2025	12:37	LB134743
	Selenium	68.9	46.0	150	26	66	02/18/2025	12:37	LB134743
	Silver	254	201	126	170	232	02/18/2025	12:37	LB134743
	Zinc	1250	952	131	809	1095	02/18/2025	12:37	LB134743



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Spectra East Inc. **level:** low **sdg no.:** Q1322
contract: SPEC01 **lab code:** CHEM **case no.:** Q1322 **sas no.:** Q1322
matrix: Water **sample id:** Q1322-01 **client id:** MANHOLEMS
Percent Solids for Sample: NA **Spiked ID:** Q1322-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	390		10.0	U	400	98		P
Beryllium	ug/L	75 - 125	88.1		3.00	U	100	88		P
Cadmium	ug/L	75 - 125	92.8		3.00	U	100	93		P
Chromium	ug/L	75 - 125	187		5.00	U	200	94		P
Copper	ug/L	75 - 125	192		56.3		150	91		P
Lead	ug/L	75 - 125	462		6.00	U	500	92		P
Mercury	ug/L	75 - 125	3.55		0.20	U	4.0	89		CV
Nickel	ug/L	75 - 125	236		20.0	U	250	94		P
Selenium	ug/L	75 - 125	917		10.0	U	1000	92		P
Silver	ug/L	75 - 125	35.0		5.00	U	37.5	93		P
Zinc	ug/L	75 - 125	223		140		100	83		P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Spectra East Inc. **level:** low **sdg no.:** Q1322
contract: SPEC01 **lab code:** CHEM **case no.:** Q1322 **sas no.:** Q1322
matrix: Water **sample id:** Q1322-01 **client id:** MANHOLEMSD
Percent Solids for Sample: NA **Spiked ID:** Q1322-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	395		10.0	U	400	99		P
Beryllium	ug/L	75 - 125	88.5		3.00	U	100	88		P
Cadmium	ug/L	75 - 125	93.1		3.00	U	100	93		P
Chromium	ug/L	75 - 125	190		5.00	U	200	95		P
Copper	ug/L	75 - 125	194		56.3		150	92		P
Lead	ug/L	75 - 125	463		6.00	U	500	93		P
Mercury	ug/L	75 - 125	3.79		0.20	U	4.0	95		CV
Nickel	ug/L	75 - 125	236		20.0	U	250	94		P
Selenium	ug/L	75 - 125	936		10.0	U	1000	94		P
Silver	ug/L	75 - 125	35.9		5.00	U	37.5	96		P
Zinc	ug/L	75 - 125	230		140		100	90		P

Metals

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Client: Spectra East Inc. **SDG No.:** Q1322
Contract: SPEC01 **Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322
Matrix: **Level:** LOW **Client ID:**
Sample ID: **Spiked ID:**

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

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DUPLICATE SAMPLE SUMMARY

Client: Spectra East Inc. **Level:** LOW **SDG No.:** Q1322
Contract: SPEC01 **Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322
Matrix: Water **Sample ID:** Q1322-01 **Client ID:** MANHOLEDUP
Percent Solids for Sample: NA **Duplicate ID** Q1322-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	10.0	U	10.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Chromium	ug/L	20	5.00	U	5.00	U			P
Copper	ug/L	20	56.3		55.9		1		P
Lead	ug/L	20	6.00	U	6.00	U			P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Nickel	ug/L	20	20.0	U	20.0	U			P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Zinc	ug/L	20	140		142		1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Spectra East Inc. **Level:** LOW **SDG No.:** Q1322
Contract: SPEC01 **Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322
Matrix: Water **Sample ID:** Q1322-01MS **Client ID:** MANHOLEMSD
Percent Solids for Sample: NA **Duplicate ID** Q1322-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	390		395		1		P
Beryllium	ug/L	20	88.1		88.5		0		P
Cadmium	ug/L	20	92.8		93.1		0		P
Chromium	ug/L	20	187		190		2		P
Copper	ug/L	20	192		194		1		P
Lead	ug/L	20	462		463		0		P
Mercury	ug/L	20	3.55		3.79		7		CV
Nickel	ug/L	20	236		236		0		P
Selenium	ug/L	20	917		936		2		P
Silver	ug/L	20	35.0		35.9		3		P
Zinc	ug/L	20	223		230		3		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Spectra East Inc.

SDG No.: Q1322

Contract: SPEC01

Lab Code: CHEM

Case No.: Q1322

SAS No.: Q1322

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166684BS Mercury	ug/L	4.0	3.75		94	85 - 115	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Spectra East Inc. **SDG No.:** Q1322
Contract: SPEC01 **Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166737BS							
Arsenic	ug/L	400	414		104	85 - 115	P
Beryllium	ug/L	100	94.1		94	85 - 115	P
Cadmium	ug/L	100	96.4		96	85 - 115	P
Chromium	ug/L	200	204		102	85 - 115	P
Copper	ug/L	150	158		105	85 - 115	P
Lead	ug/L	500	490		98	85 - 115	P
Nickel	ug/L	250	249		100	85 - 115	P
Selenium	ug/L	1000	999		100	85 - 115	P
Silver	ug/L	37.5	38.0		101	85 - 115	P
Zinc	ug/L	100	105		105	85 - 115	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MANHOLEL

Lab Name: Chemtech Consulting Group

Contract: SPEC01

Lab Code: CHEM Lb No.: lb134743 Lab Sample ID : Q1322-01L SDG No.: Q1322

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			
Arsenic	10.0	U	50.0	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Chromium	5.00	U	25.0	U			P
Copper	56.3		56.8		1		P
Lead	6.00	U	30.0	U			P
Mercury	0.20	U	1.00	U			CV
Nickel	20.0	U	100	U			P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Zinc	140		138		2		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q1322

Contract: SPEC01

Lab Code: CHEM

Case No.: Q1322

SAS No.: Q1322

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
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	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
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Nickel	231.604	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
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q1322

Contract: SPEC01

Lab Code: CHEM

Case No.: Q1322

SAS No.: Q1322

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
Arsenic	193.759	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
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Nickel	231.604	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
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q1322

Contract: SPEC01

Lab Code: CHEM

Case No.: Q1322

SAS No.: Q1322

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
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
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
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Nickel	231.604	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
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q1322

Contract: SPEC01

Lab Code: CHEM

Case No.: Q1322

SAS No.: Q1322

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
Arsenic	193.759	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
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Nickel	231.604	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
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q1322

Contract: SPEC01

Lab Code: CHEM

Case No.: Q1322

SAS No.: Q1322

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
Arsenic	193.759	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
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Nickel	231.604	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
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Spectra East Inc. **SDG No.:** Q1322
Contract: SPEC01 **Lab Code:** CHEM **Method:**
Case No.: Q1322 **SAS No.:** Q1322

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166684							
PB166684BL	PB166684BL	MB	WATER	02/11/2025	30.0	30.0	
PB166684BS	PB166684BS	LCS	WATER	02/11/2025	30.0	30.0	
Q1322-01	MANHOLE	SAM	WATER	02/11/2025	30.0	30.0	
Q1322-01DUP	MANHOLEDUP	DUP	WATER	02/11/2025	30.0	30.0	
Q1322-01MS	MANHOLEMS	MS	WATER	02/11/2025	30.0	30.0	
Q1322-01MSD	MANHOLEMSD	MSD	WATER	02/11/2025	30.0	30.0	

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: Spectra East Inc. **SDG No.:** Q1322
Contract: SPEC01 **Lab Code:** CHEM **Method:**
Case No.: Q1322 **SAS No.:** Q1322

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB166737							
PB166737BL	PB166737BL	MB	WATER	02/17/2025	50.0	25.0	
PB166737BS	PB166737BS	LCS	WATER	02/17/2025	50.0	25.0	
Q1322-01	MANHOLE	SAM	WATER	02/17/2025	50.0	25.0	
Q1322-01DUP	MANHOLEDUP	DUP	WATER	02/17/2025	50.0	25.0	
Q1322-01MS	MANHOLEMS	MS	WATER	02/17/2025	50.0	25.0	
Q1322-01MSD	MANHOLEMSD	MSD	WATER	02/17/2025	50.0	25.0	

metals
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ANALYSIS RUN LOG

Client: Spectra East Inc. **Contract:** SPEC01

Lab code: CHEM **Case no.:** Q1322 **Sas no.:** Q1322 **Sdg no.:** Q1322

Instrument id number: **Method:** **Run number:** LB134671

Start date: 02/11/2025 **End date:** 02/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1500	HG
S0.05	S0.05	1	1502	HG
S0.2	S0.2	1	1504	HG
S2.5	S2.5	1	1506	HG
S5	S5	1	1509	HG
S7.5	S7.5	1	1511	HG
S10	S10	1	1513	HG
ICV96	ICV96	1	1517	HG
ICB96	ICB96	1	1519	HG
CCV56	CCV56	1	1521	HG
CCB56	CCB56	1	1524	HG
CRA	CRA	1	1528	HG
PB166684BL	PB166684BL	1	1535	HG
Q1322-01	MANHOLE	1	1550	HG
Q1322-01DUP	MANHOLEDUP	1	1552	HG
Q1322-01MS	MANHOLEMS	1	1557	HG
CCV57	CCV57	1	1559	HG
CCB57	CCB57	1	1602	HG
Q1322-01MSD	MANHOLEMSD	1	1604	HG
Q1322-01L	MANHOLEL	5	1613	HG
PB166684BS	PB166684BS	1	1618	HG
CCV58	CCV58	1	1620	HG
CCB58	CCB58	1	1622	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: Spectra East Inc. **Contract:** SPEC01

Lab code: CHEM **Case no.:** Q1322 **Sas no.:** Q1322 **Sdg no.:** Q1322

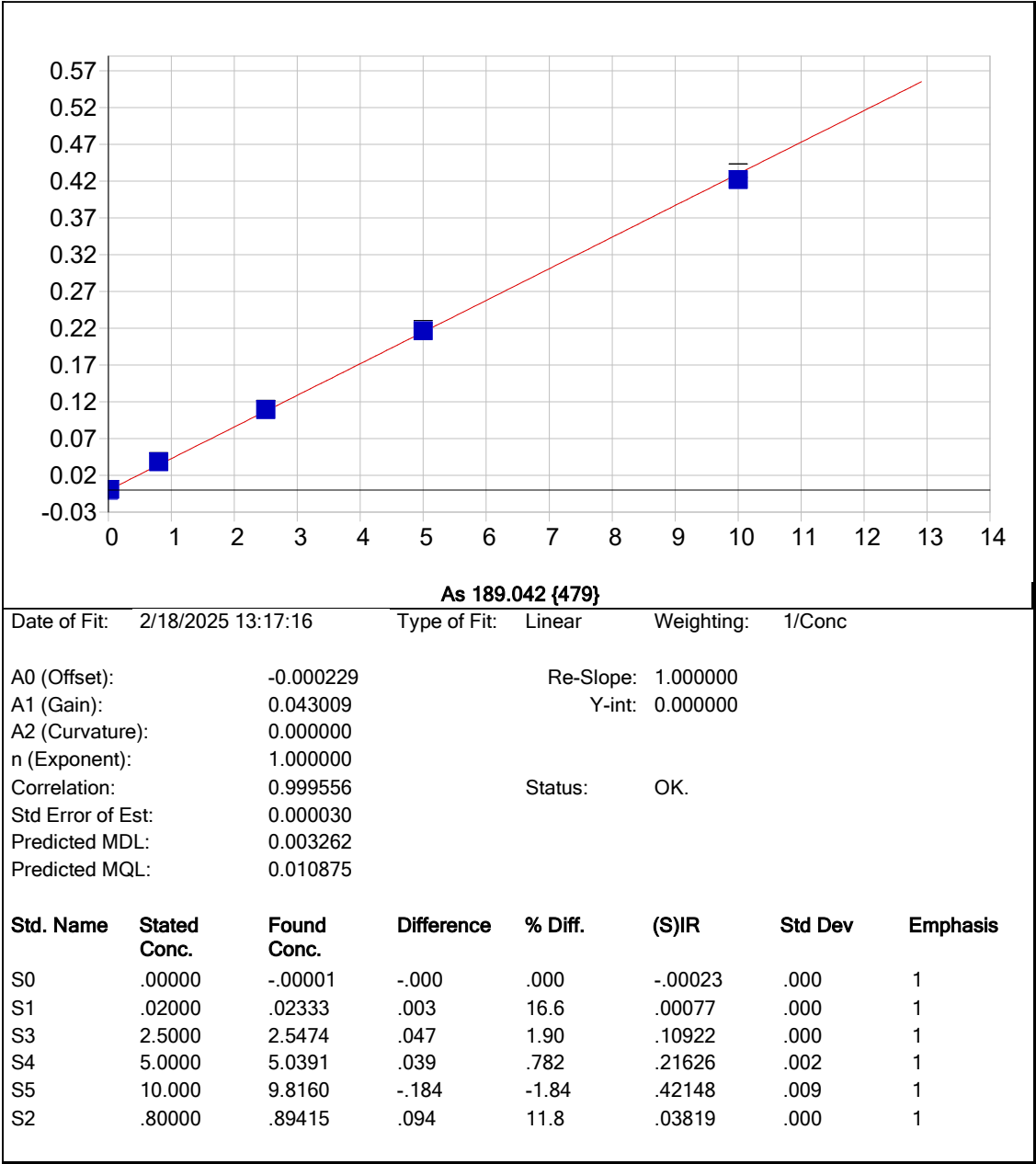
Instrument id number: **Method:** **Run number:** LB134743

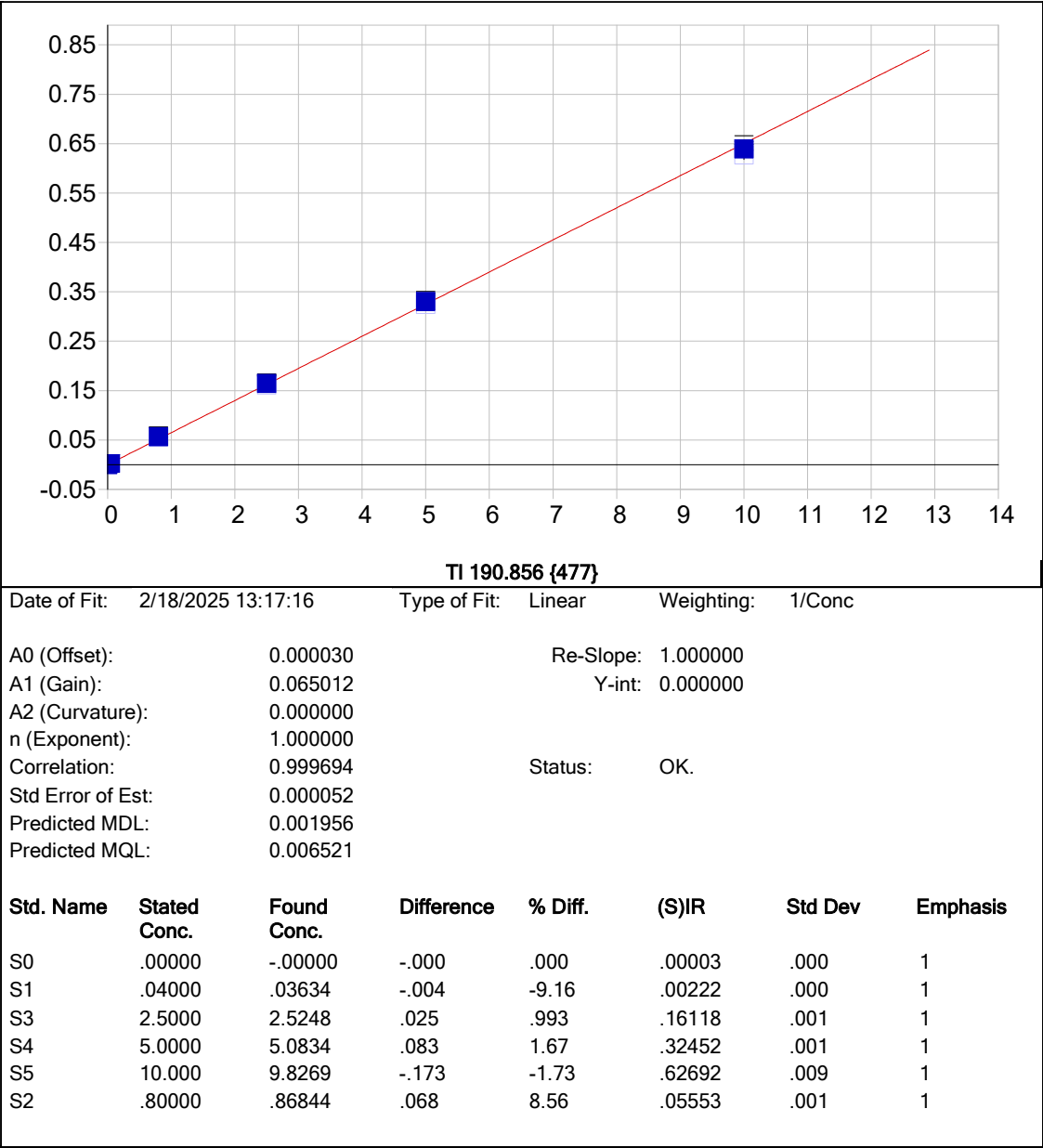
Start date: 02/18/2025 **End date:** 02/18/2025

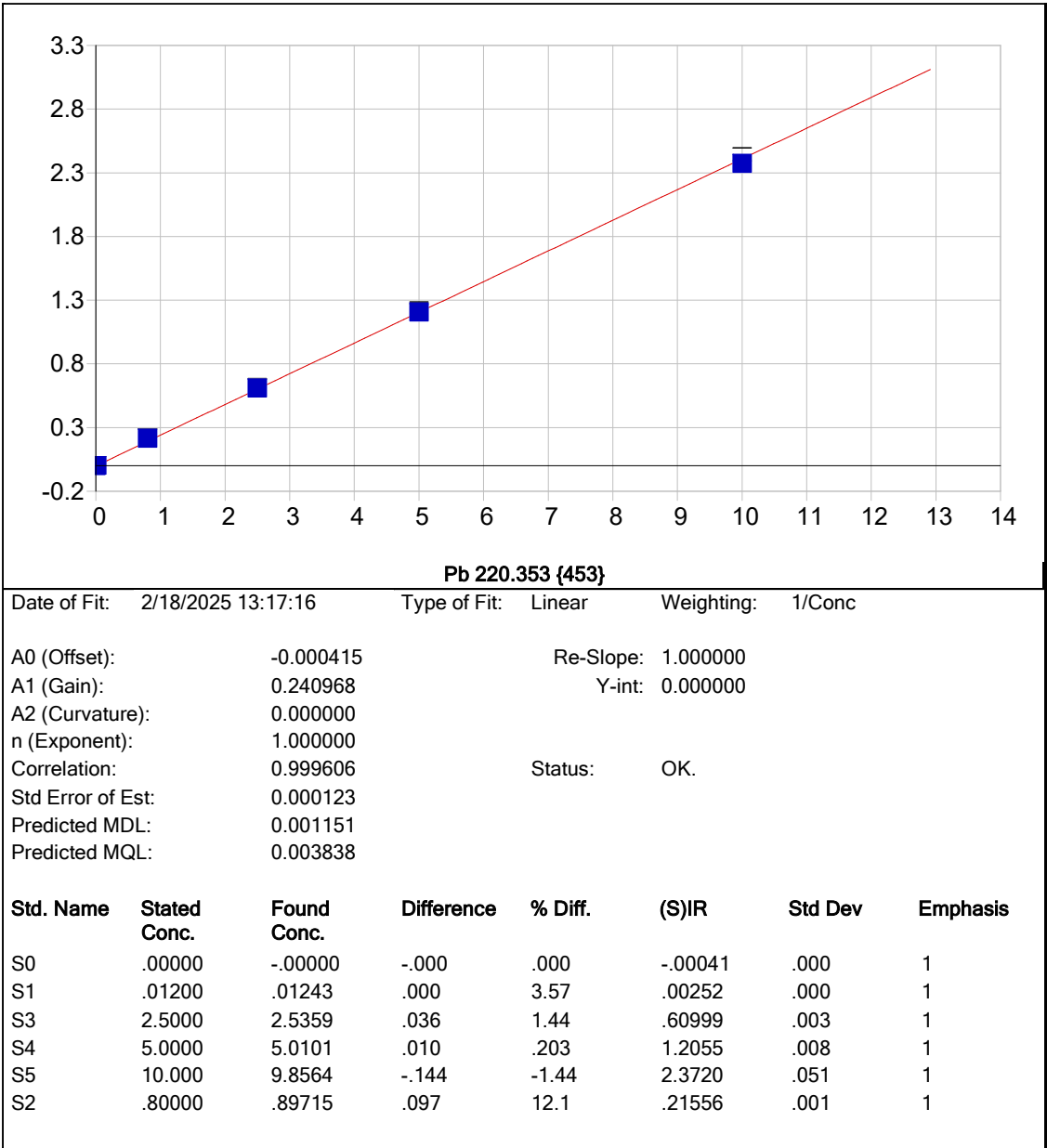
Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1119	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1124	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1128	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1132	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1137	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1141	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1158	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1210	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1214	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1218	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1223	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1229	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA	ICSA	20	1233	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB	ICSAB	20	1237	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1241	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1245	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q1322-01	MANHOLE	1	1250	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q1322-01DUP	MANHOLEDUP	1	1254	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q1322-01L	MANHOLEL	5	1259	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q1322-01MS	MANHOLEMS	1	1303	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q1322-01MSD	MANHOLEMSD	1	1307	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB166737BL	PB166737BL	1	1315	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB166737BS	PB166737BS	1	1320	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1332	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1336	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1423	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1427	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1519	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1523	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1606	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1611	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn

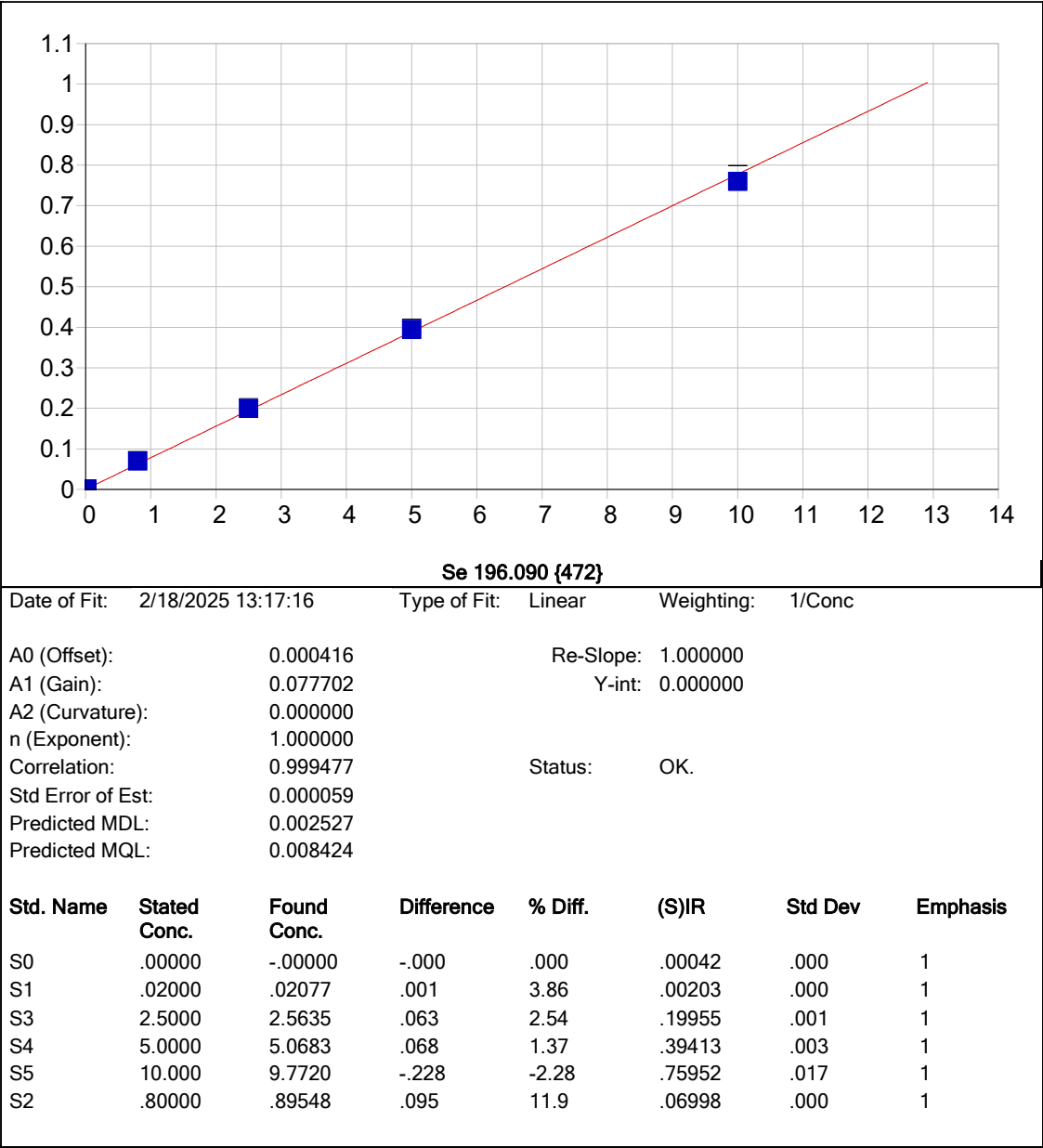


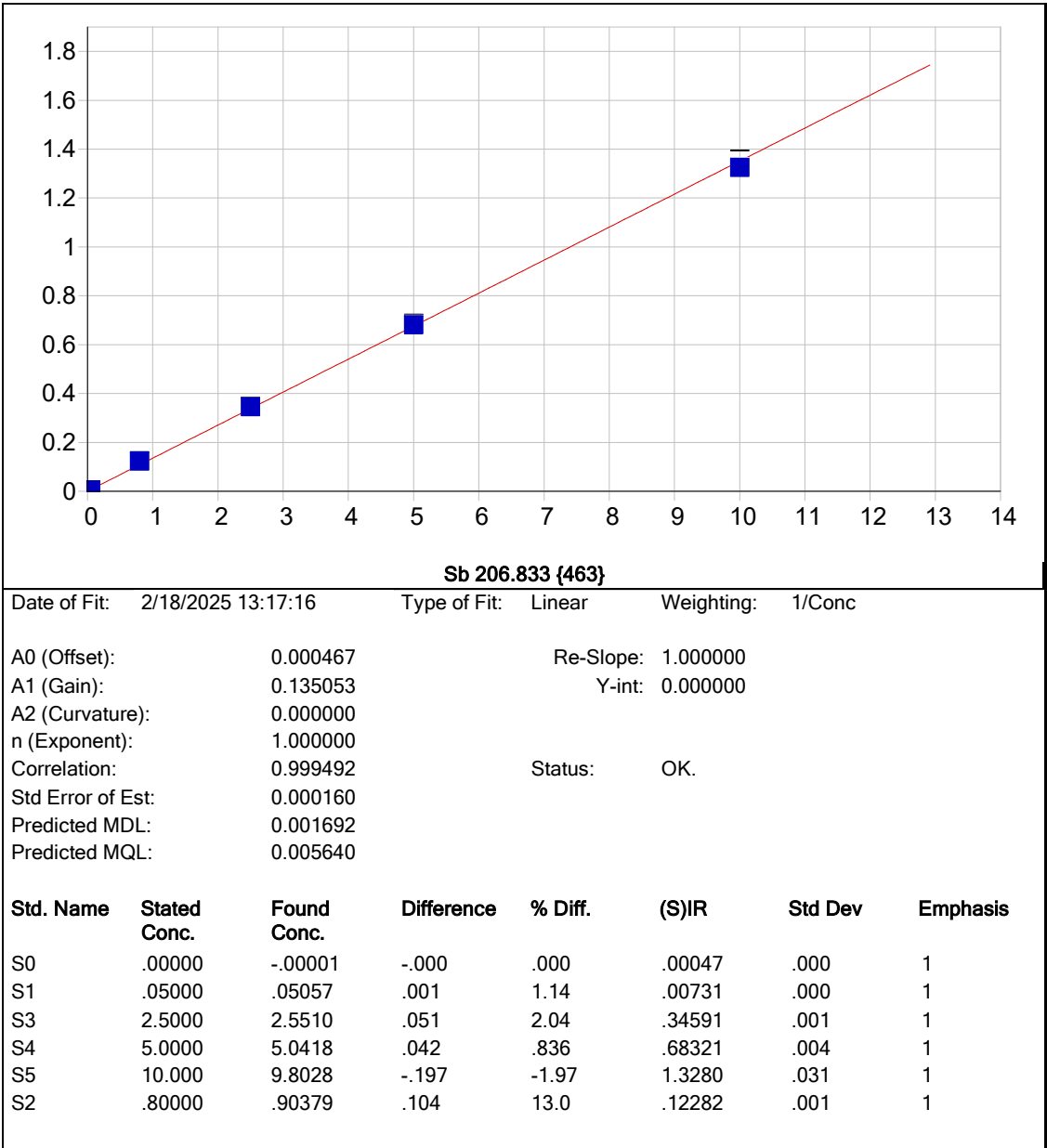
METAL RAW DATA

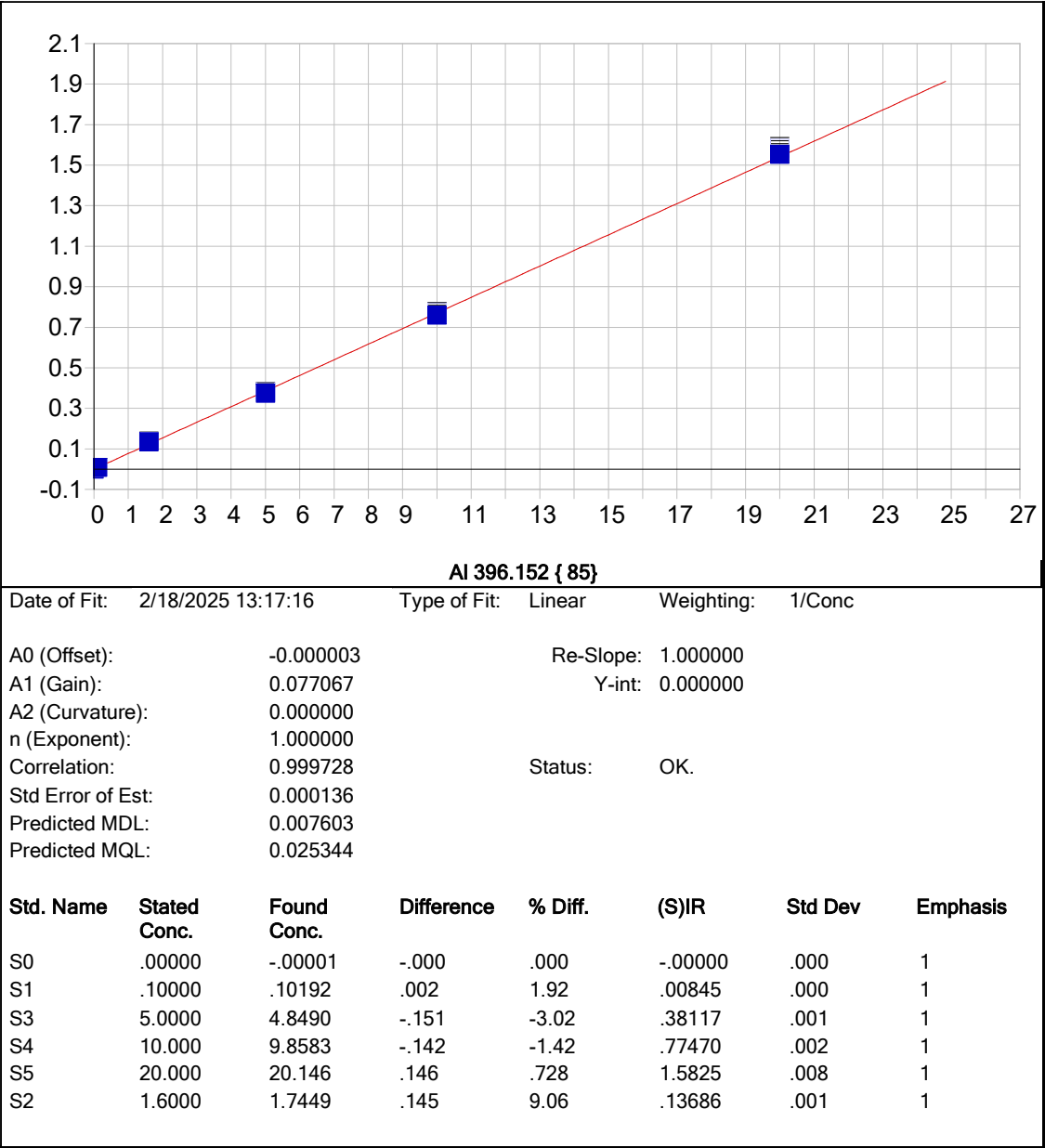


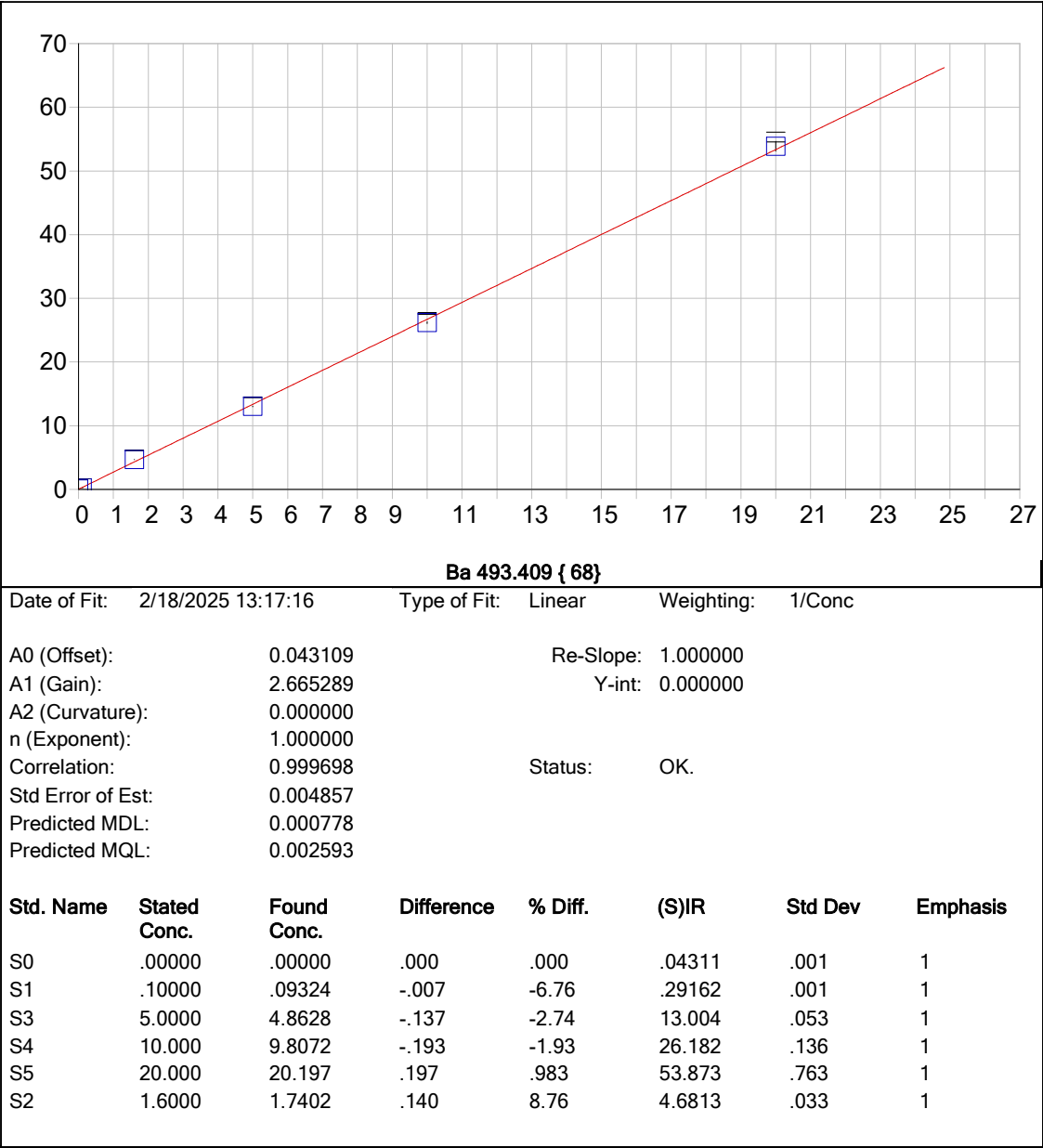


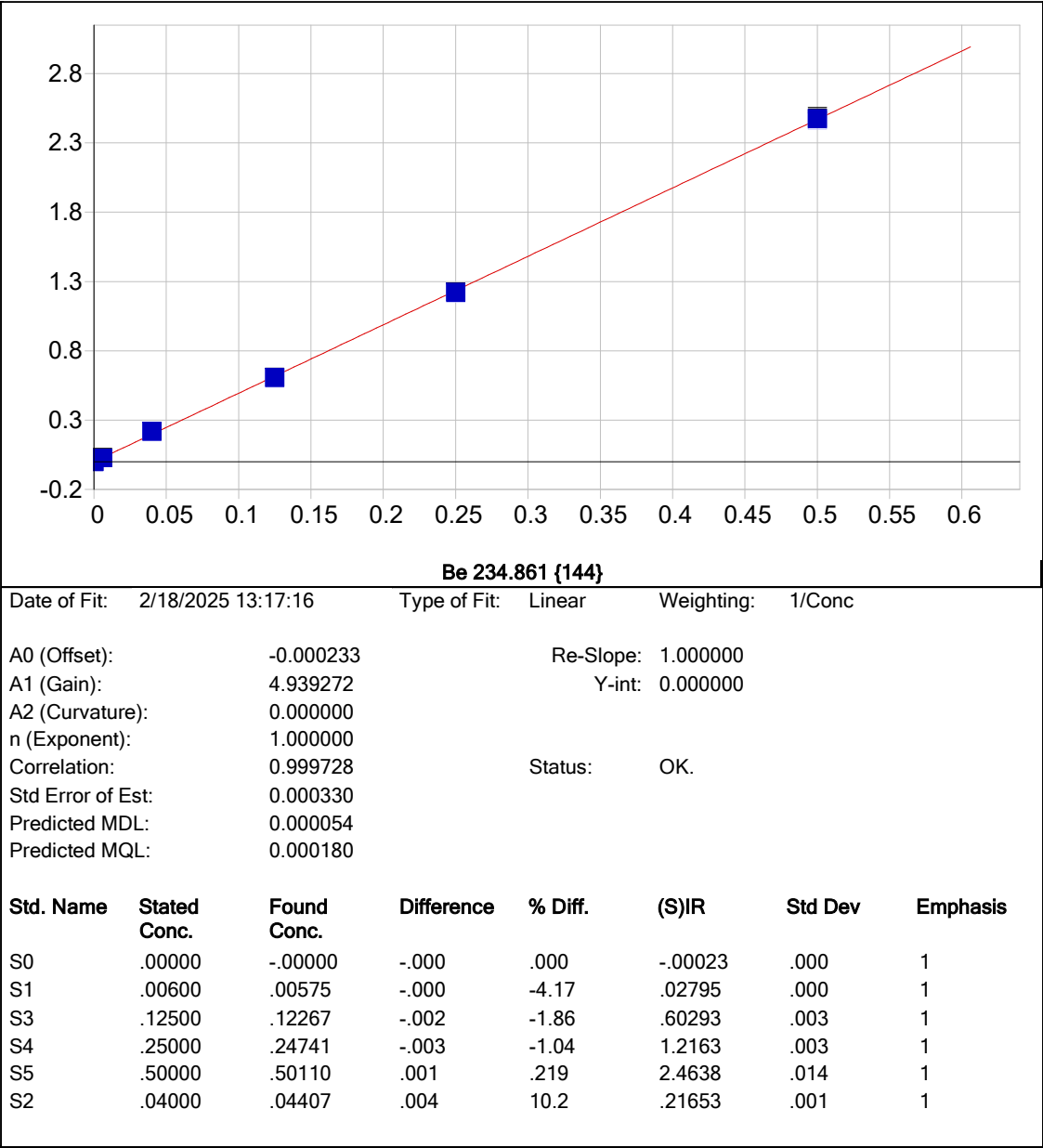


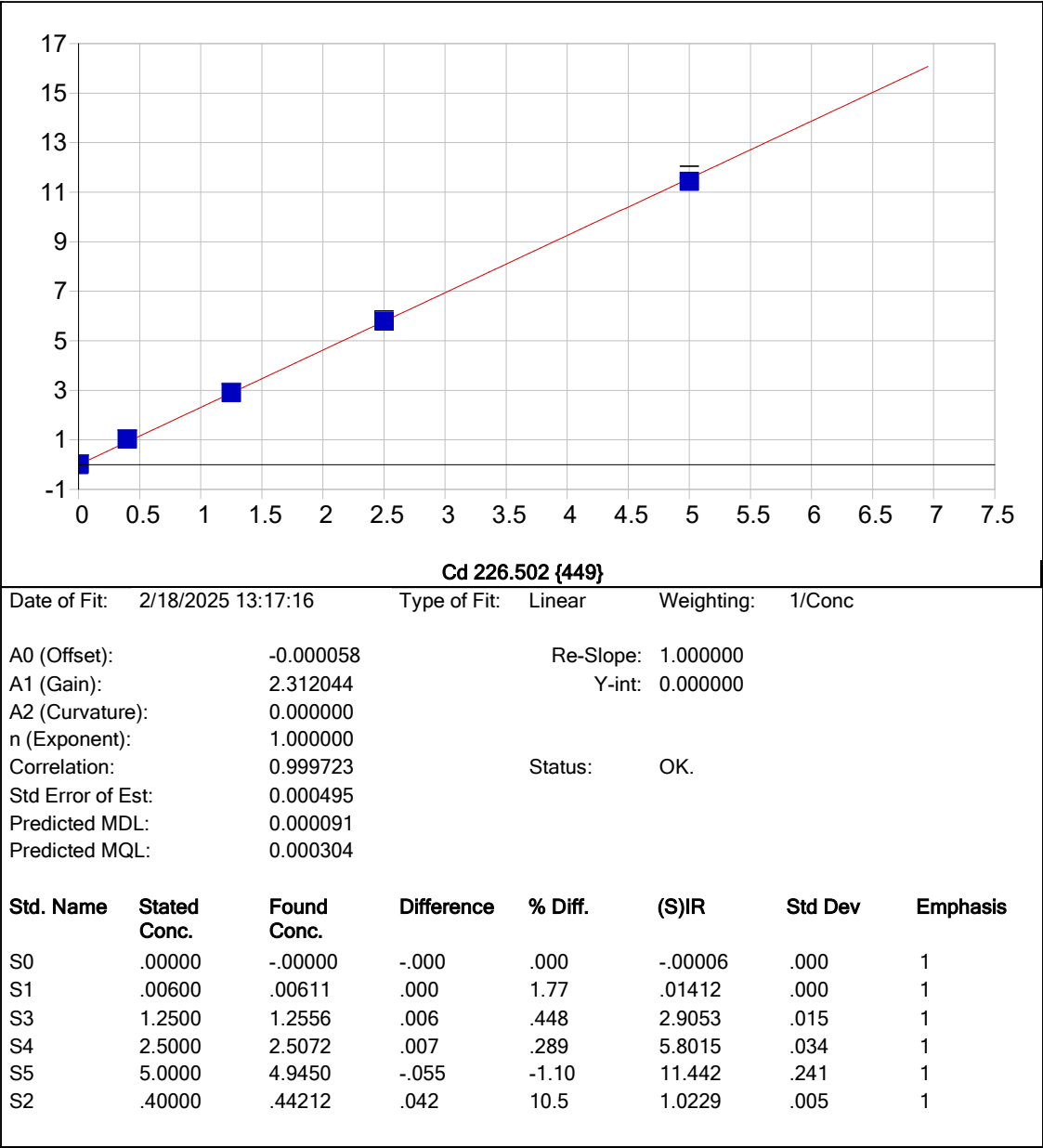


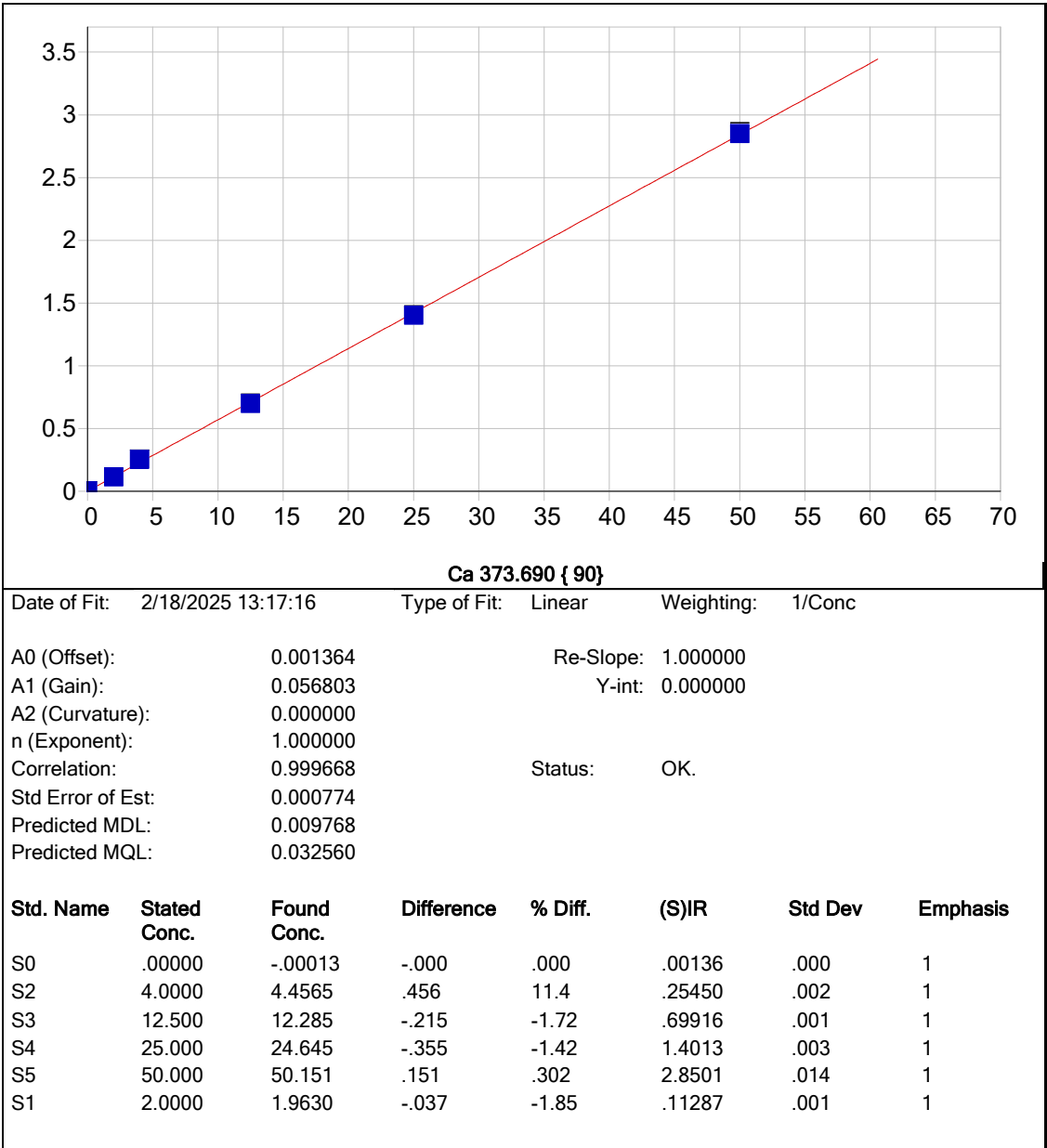


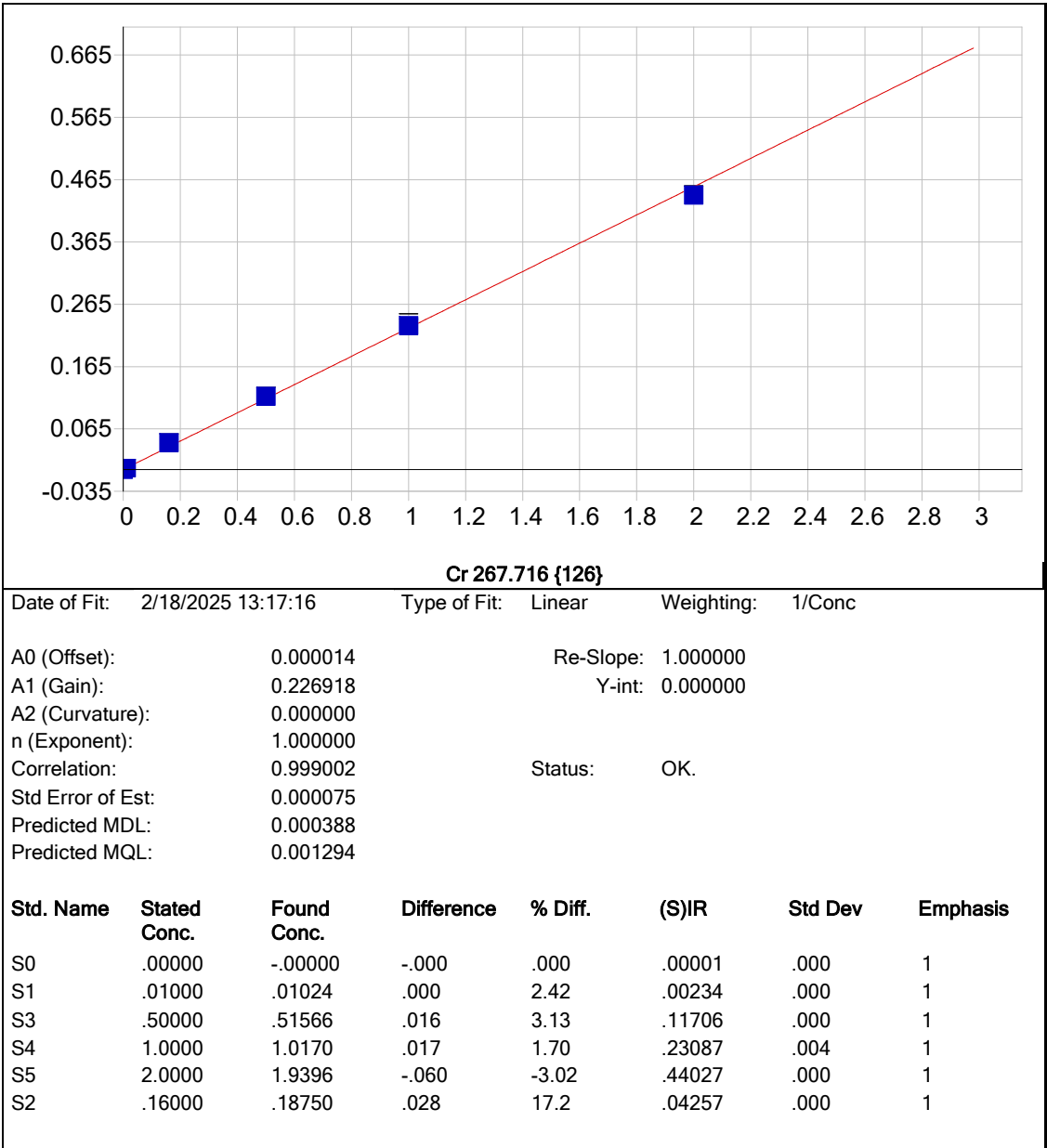


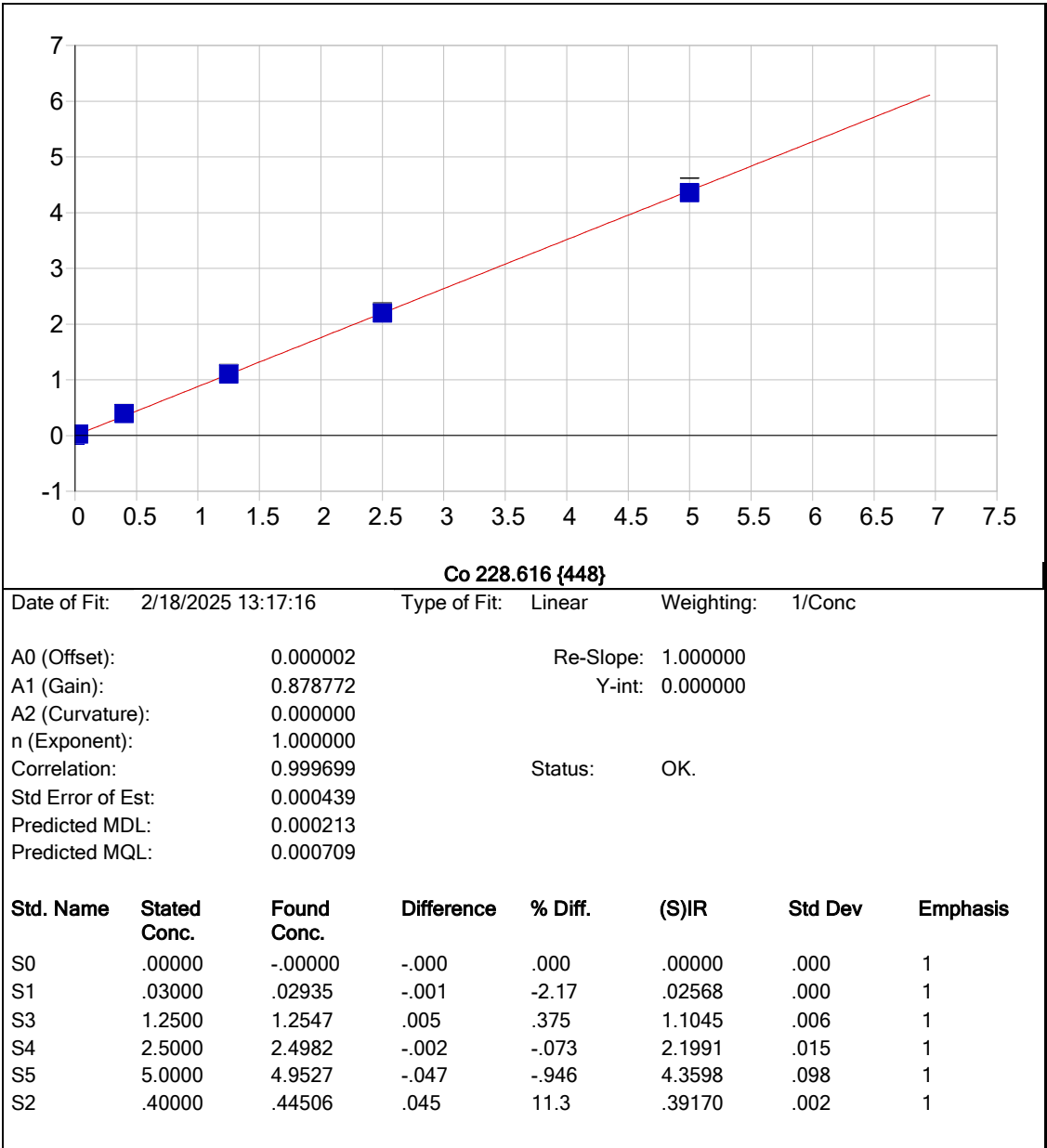


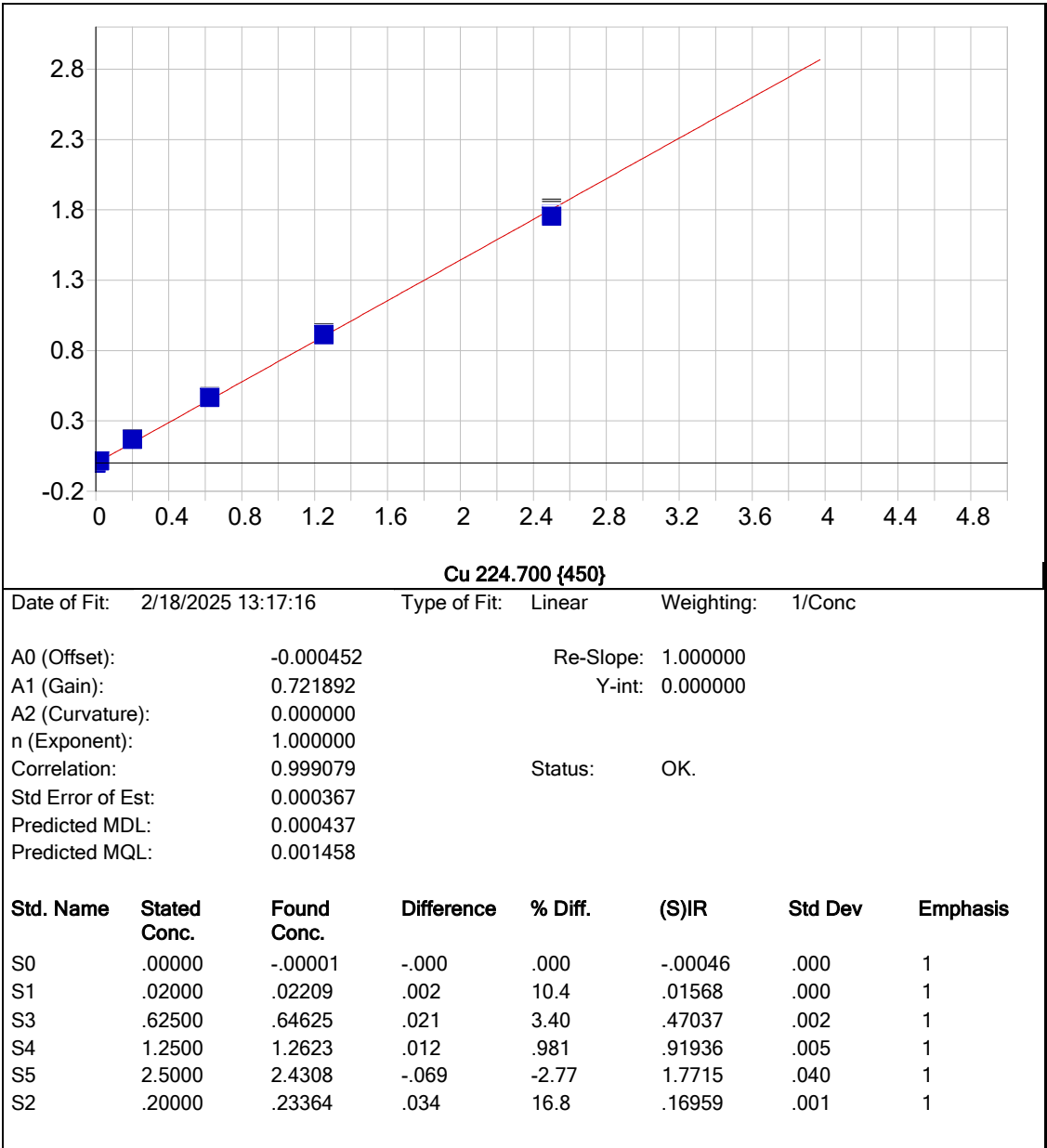


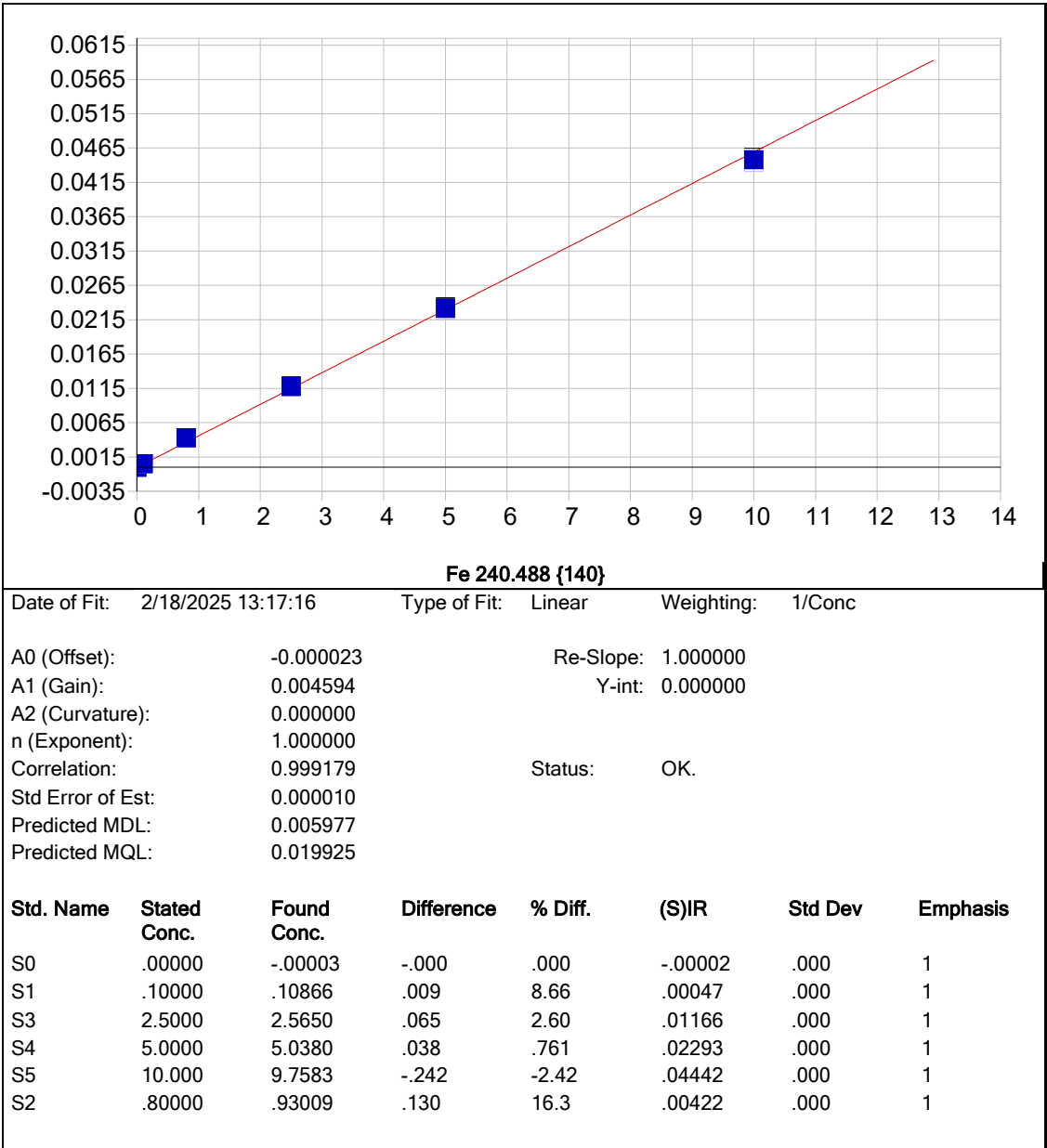


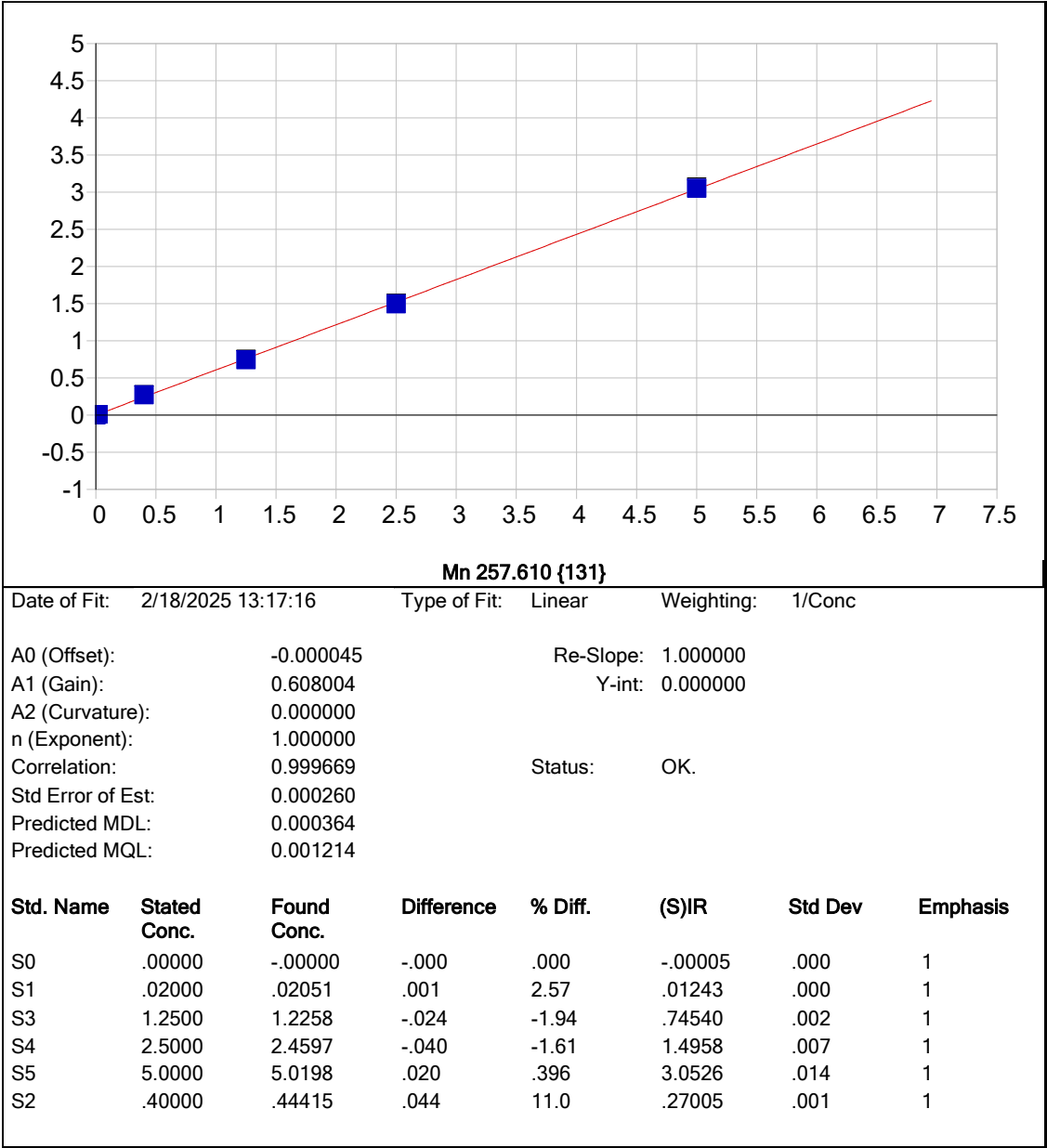


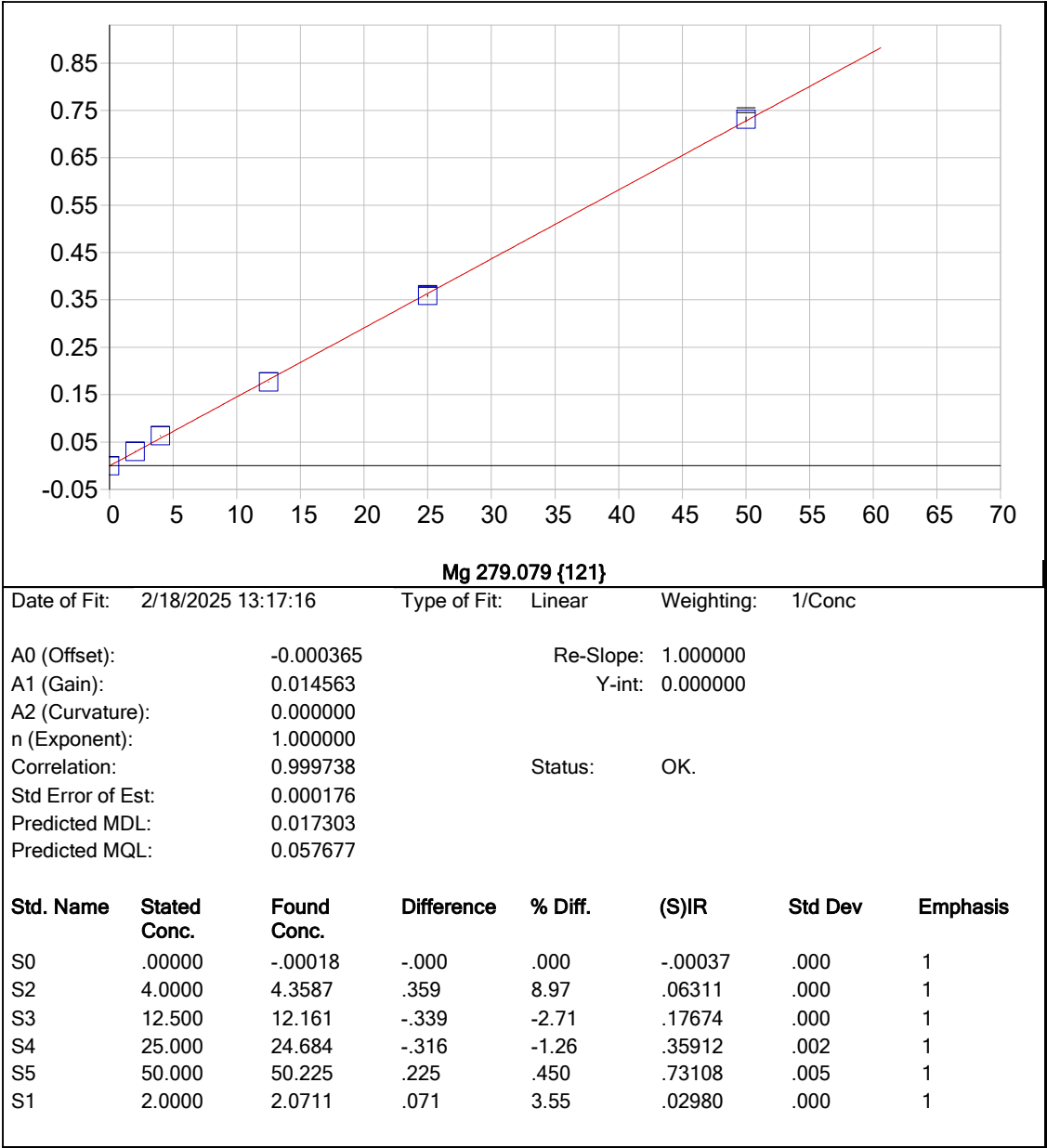


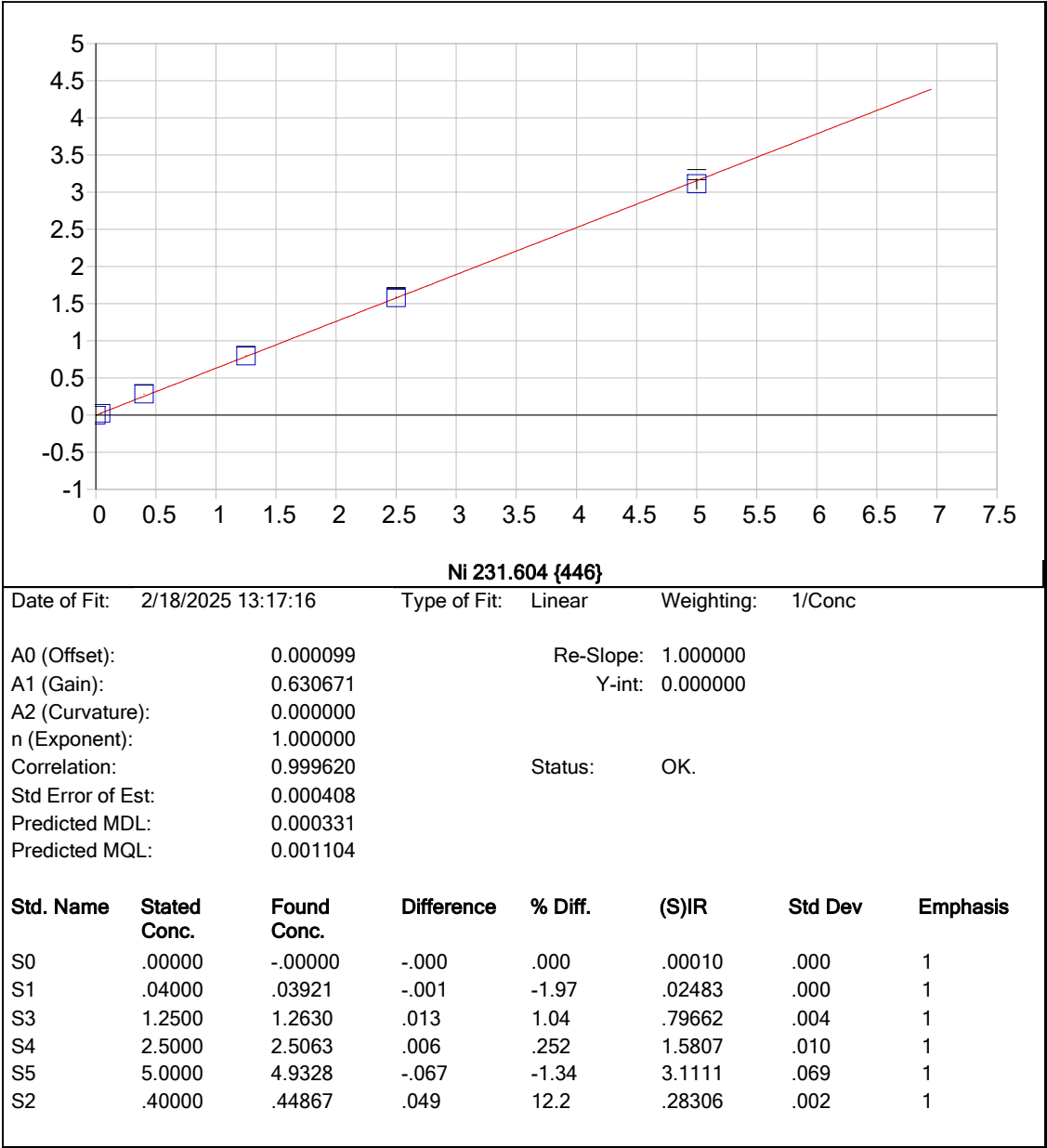


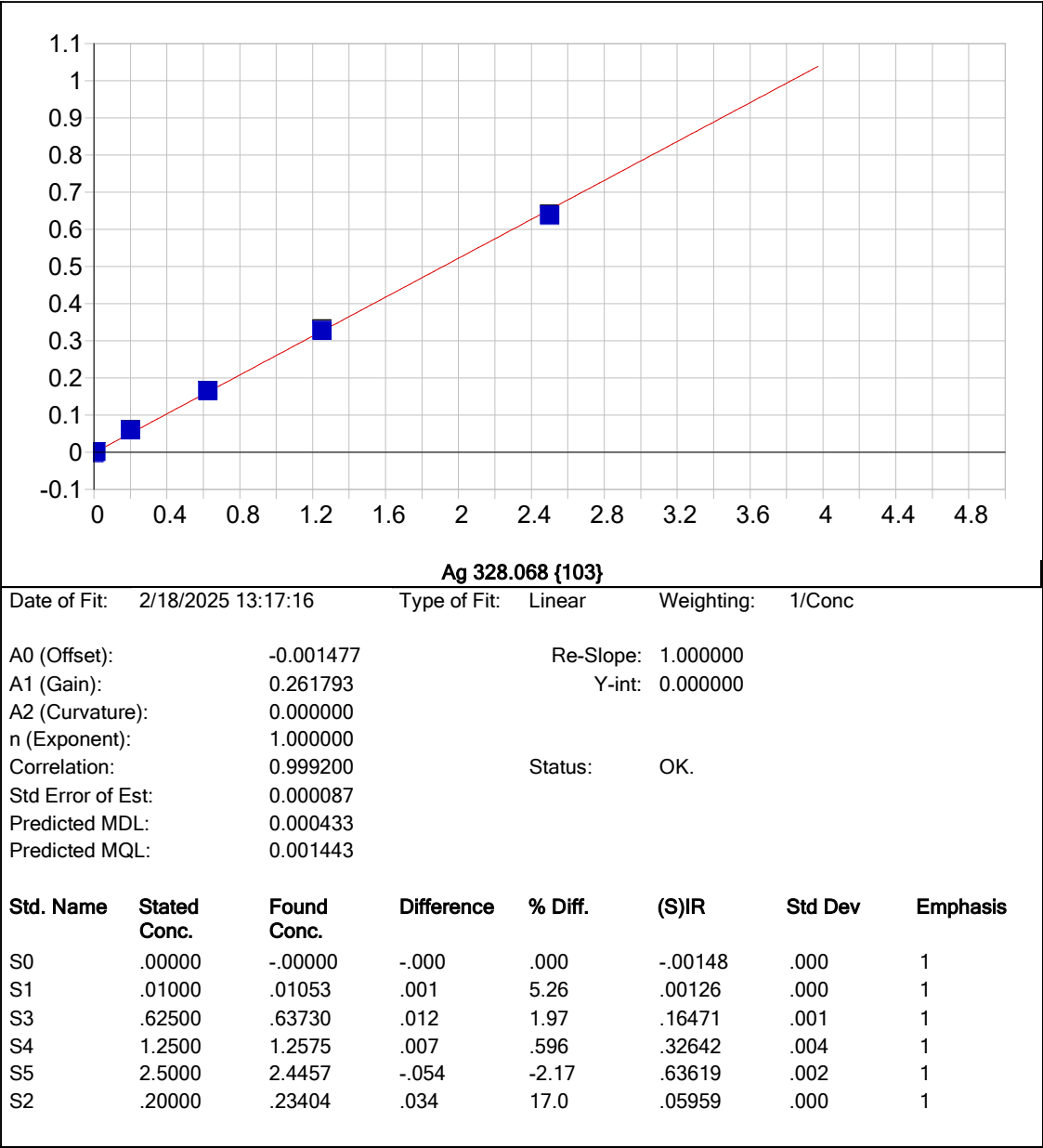


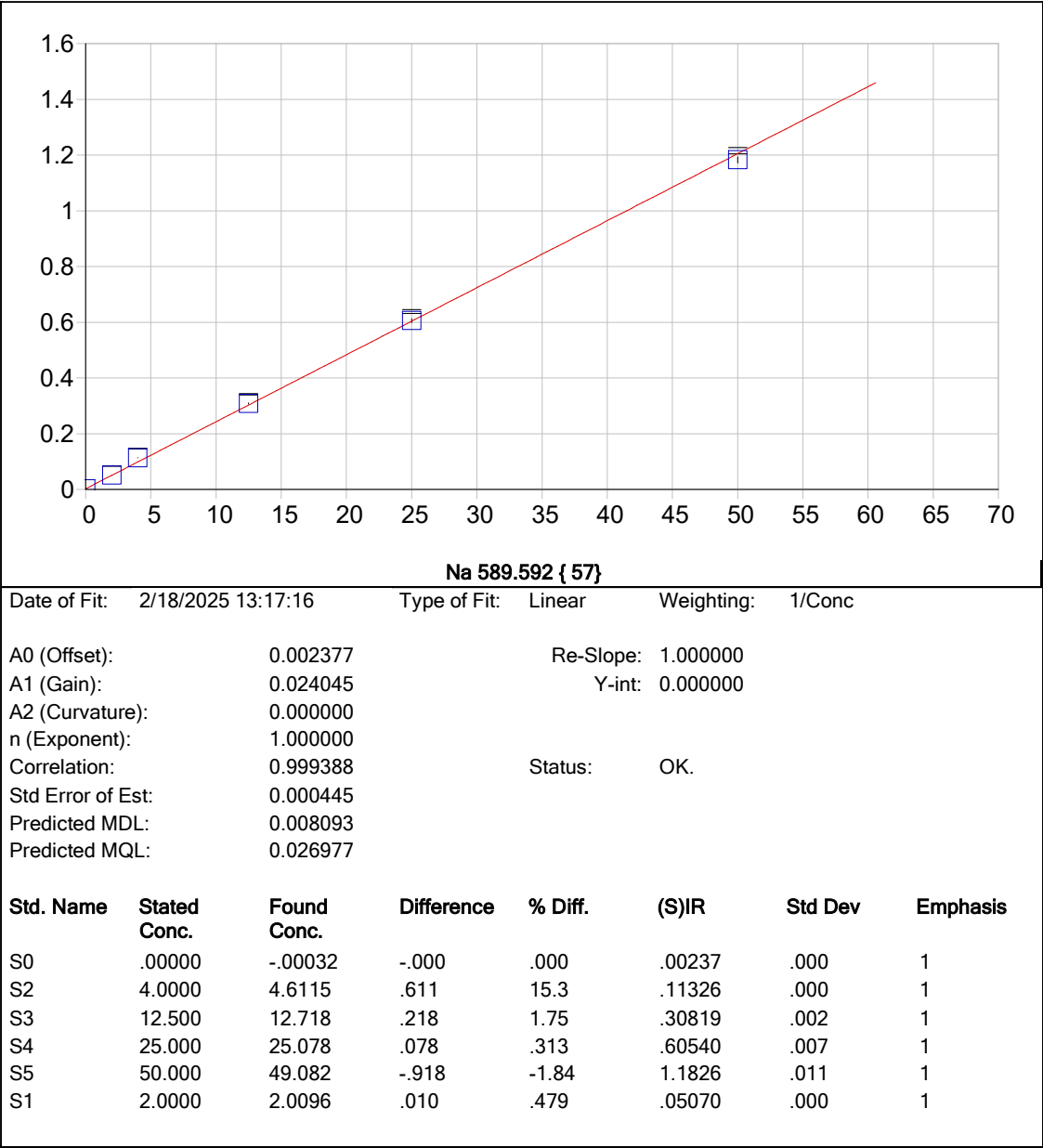


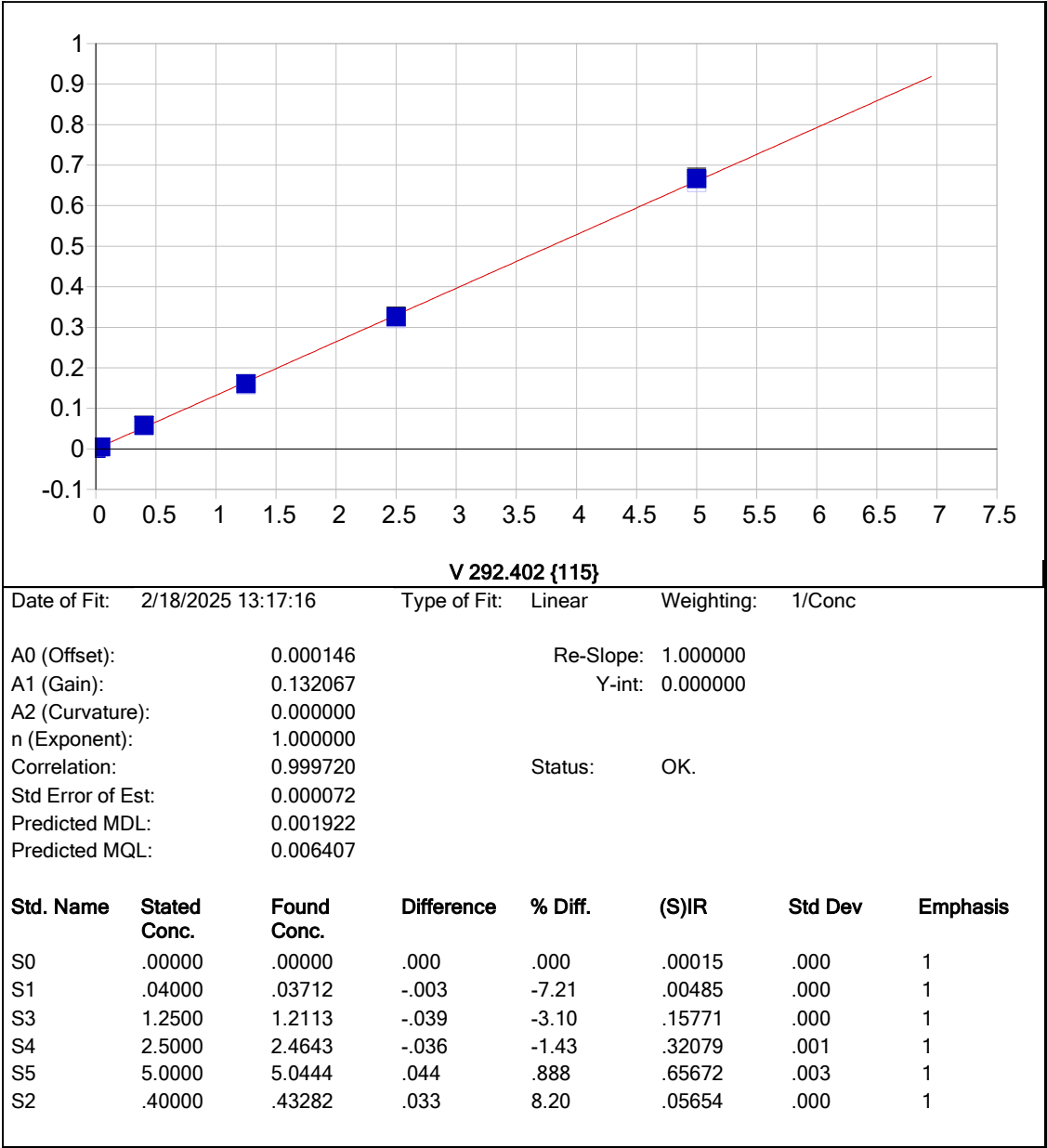


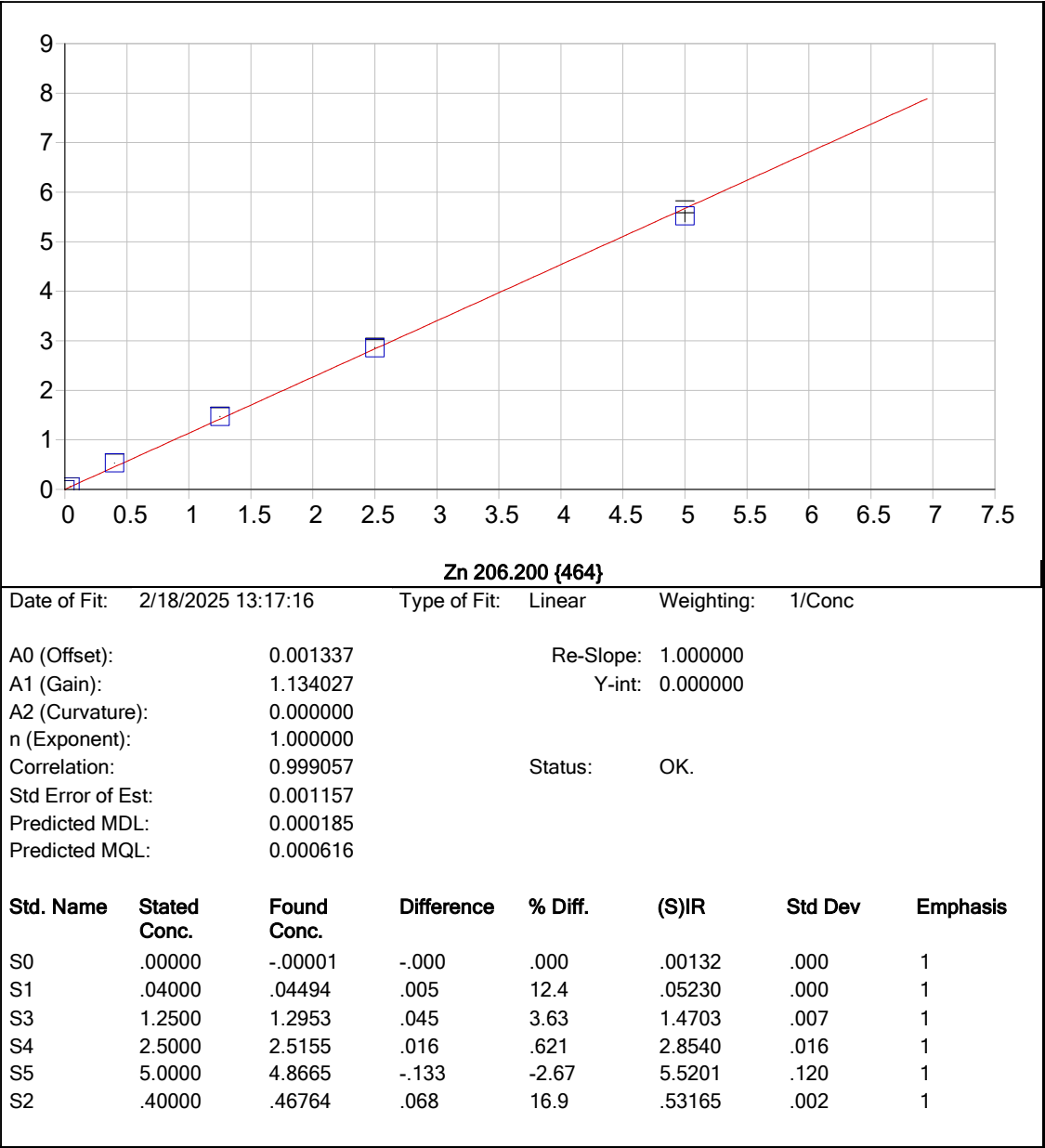


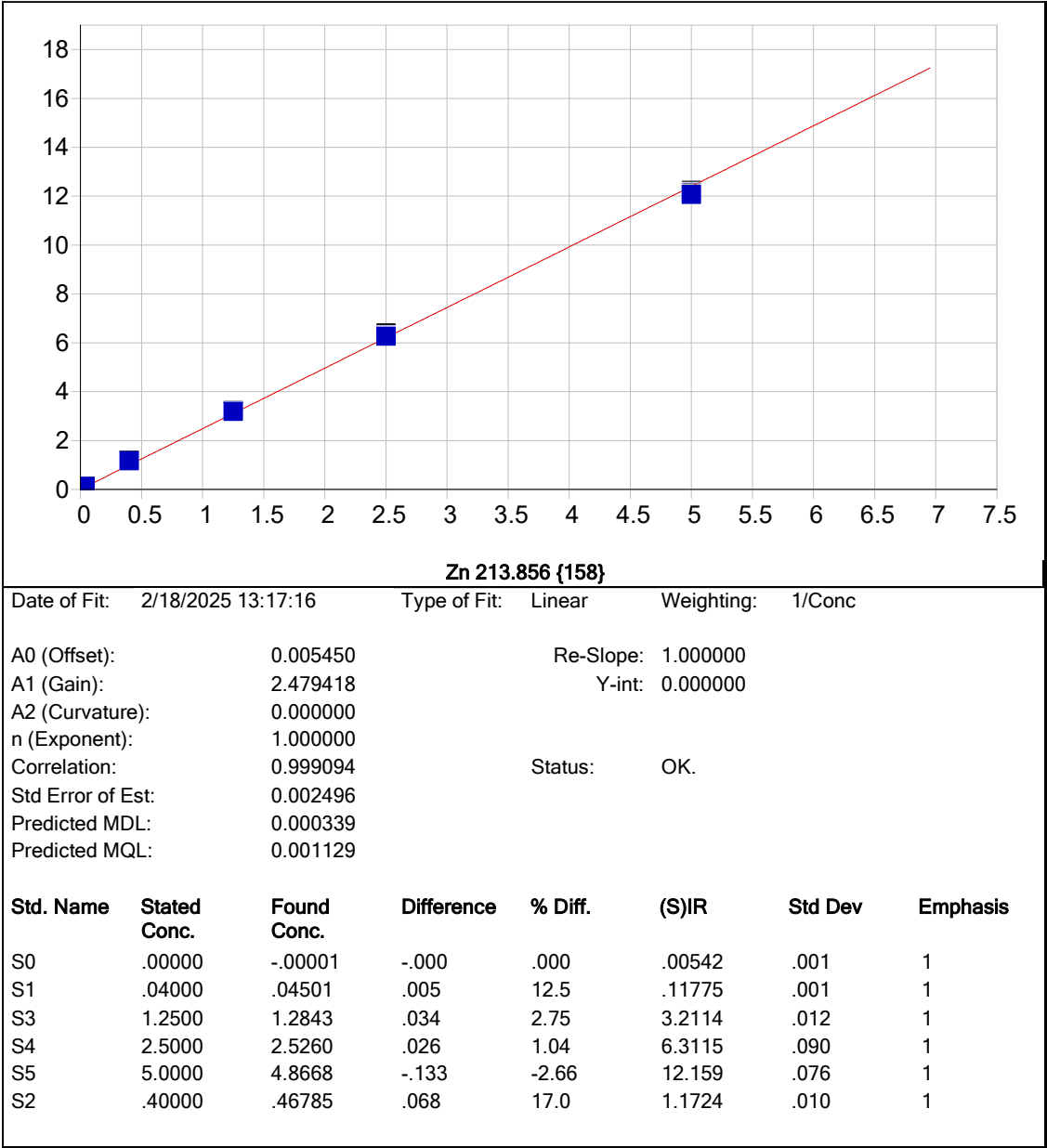


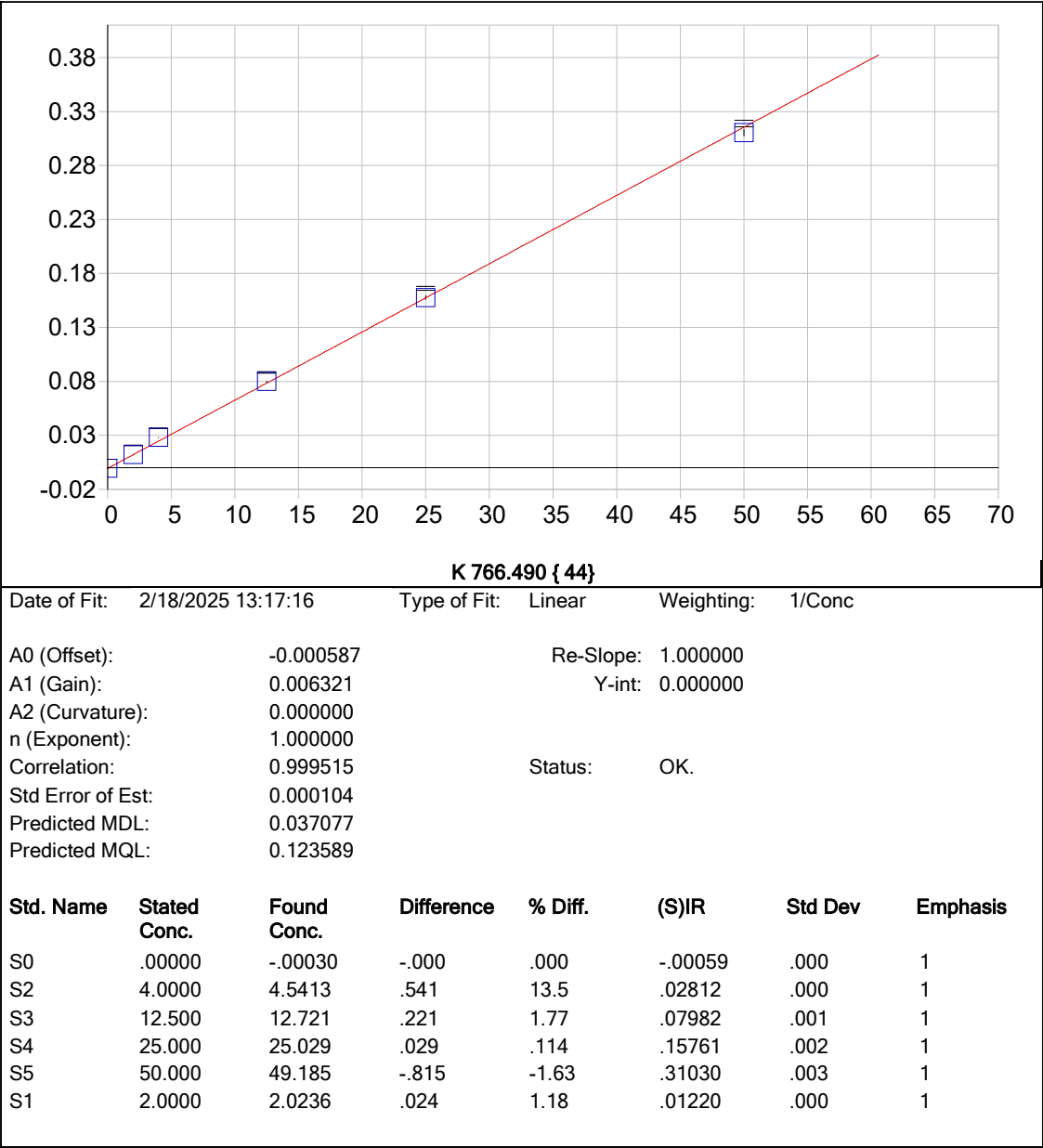


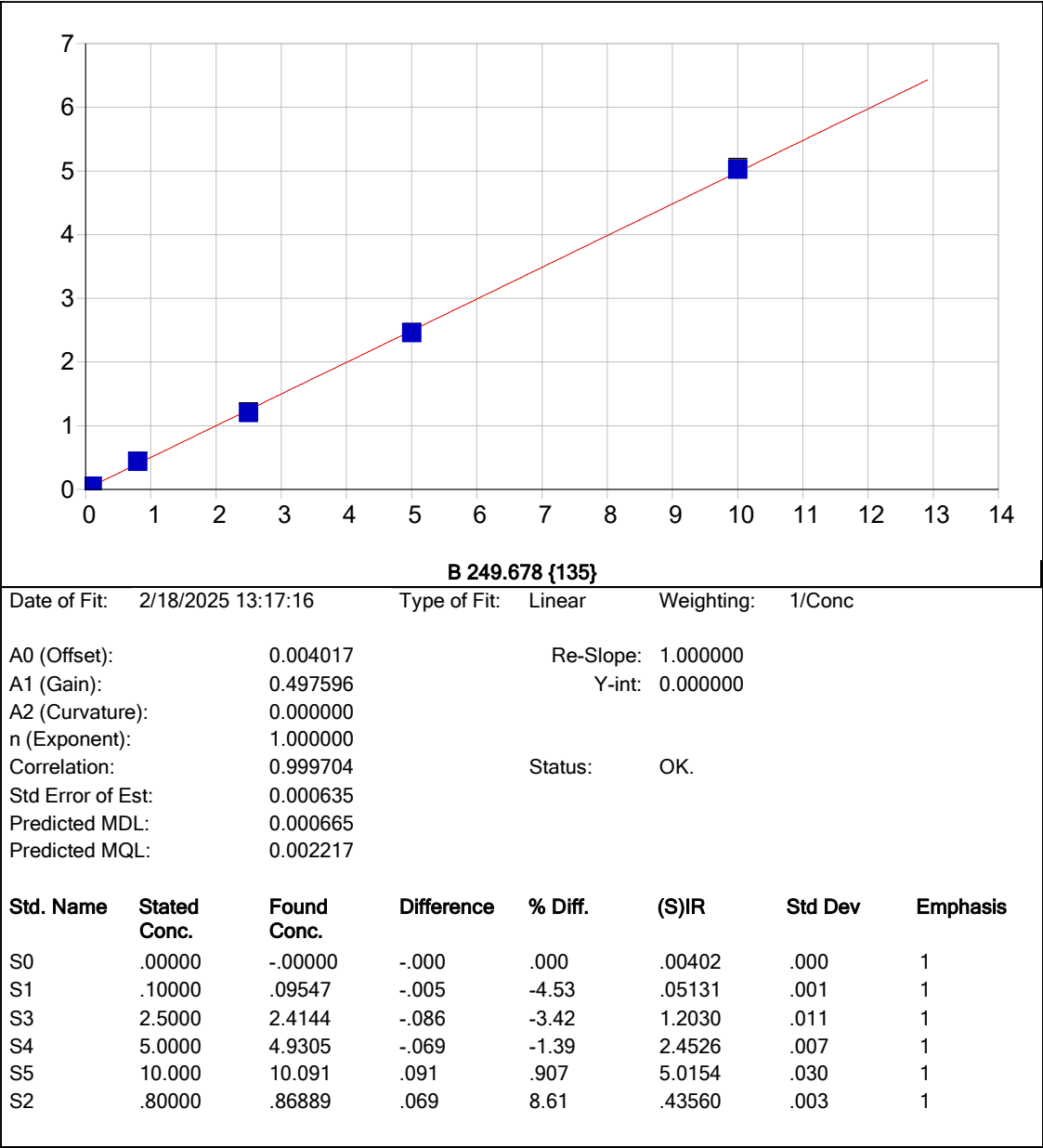


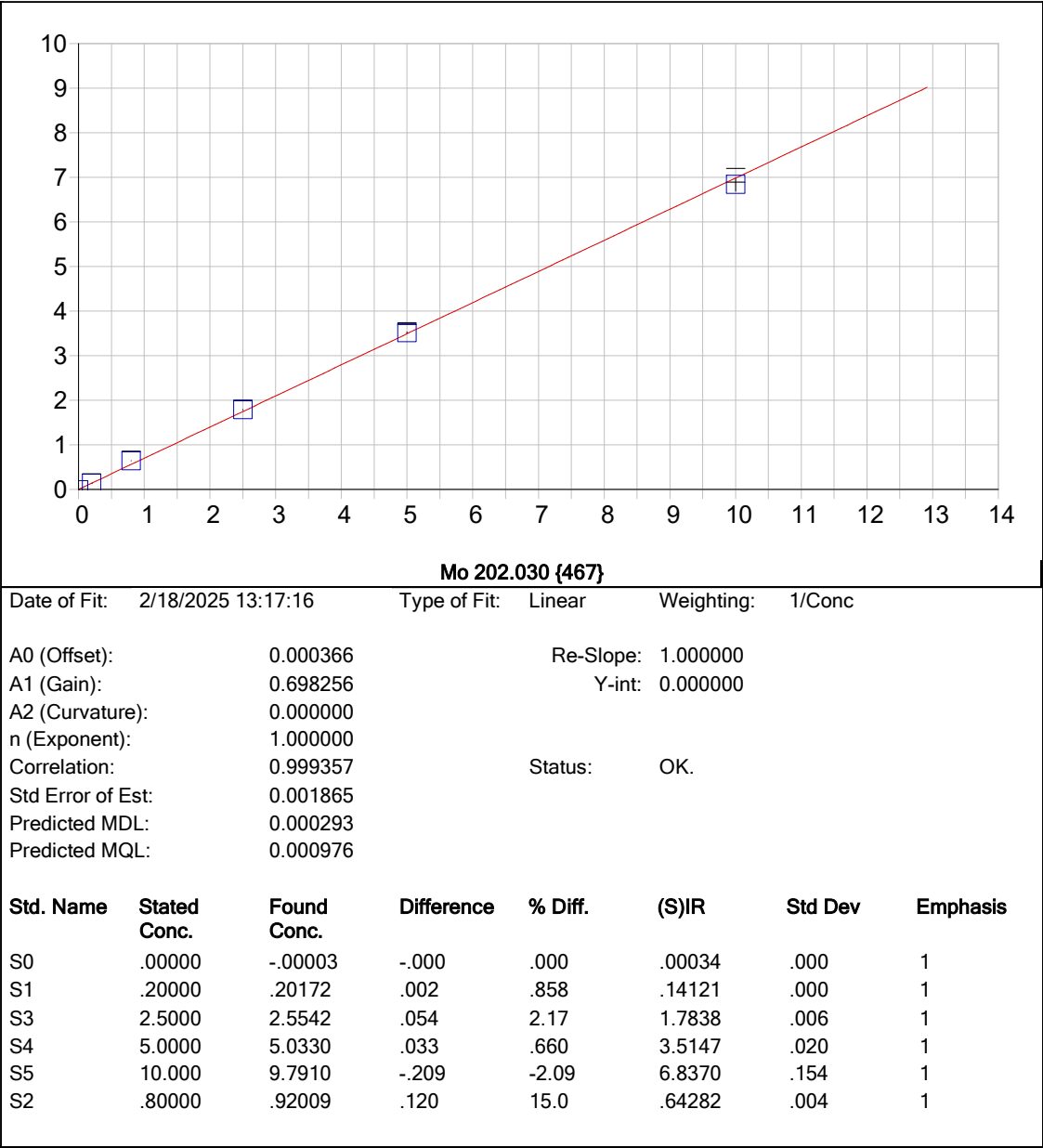


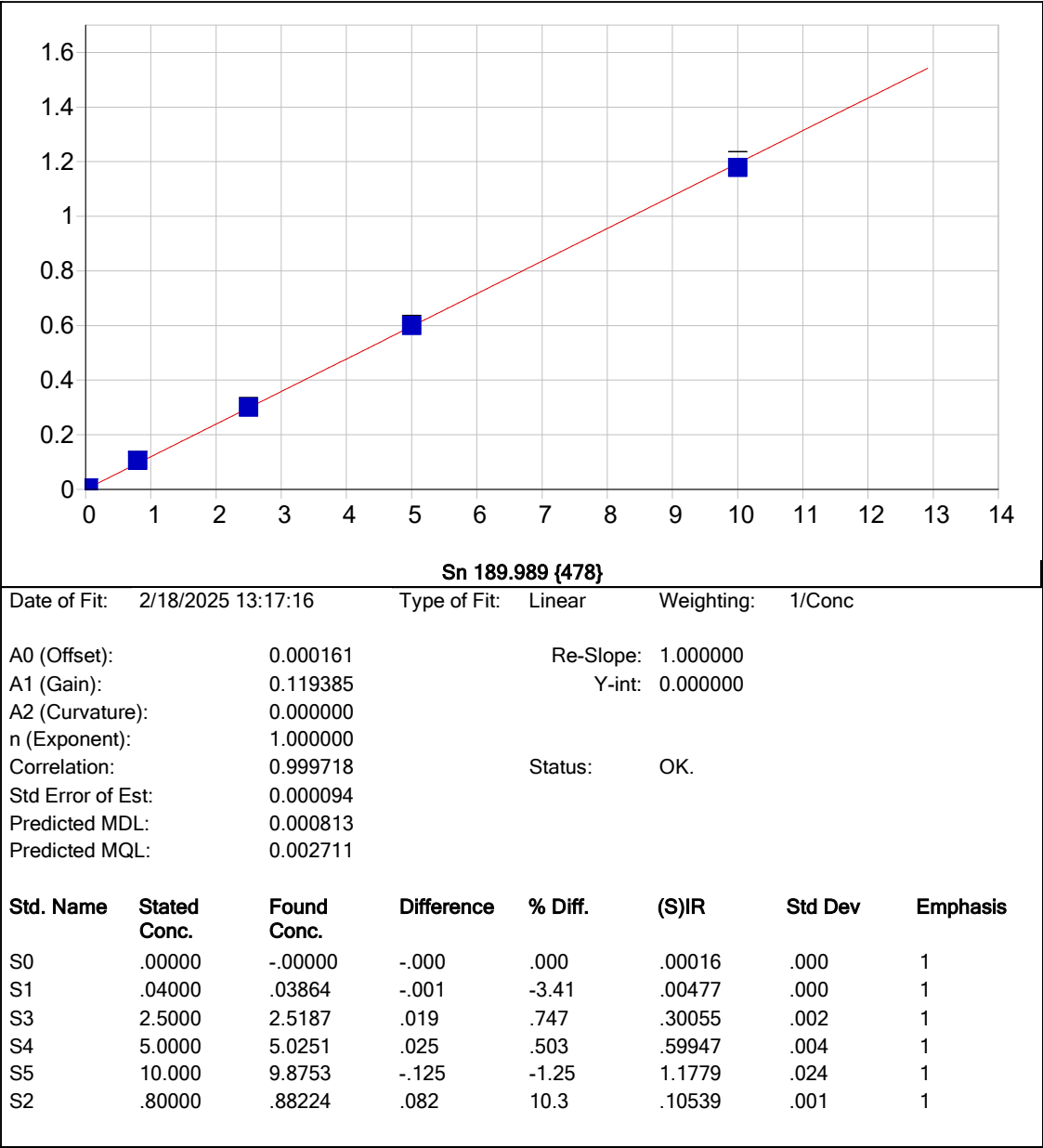


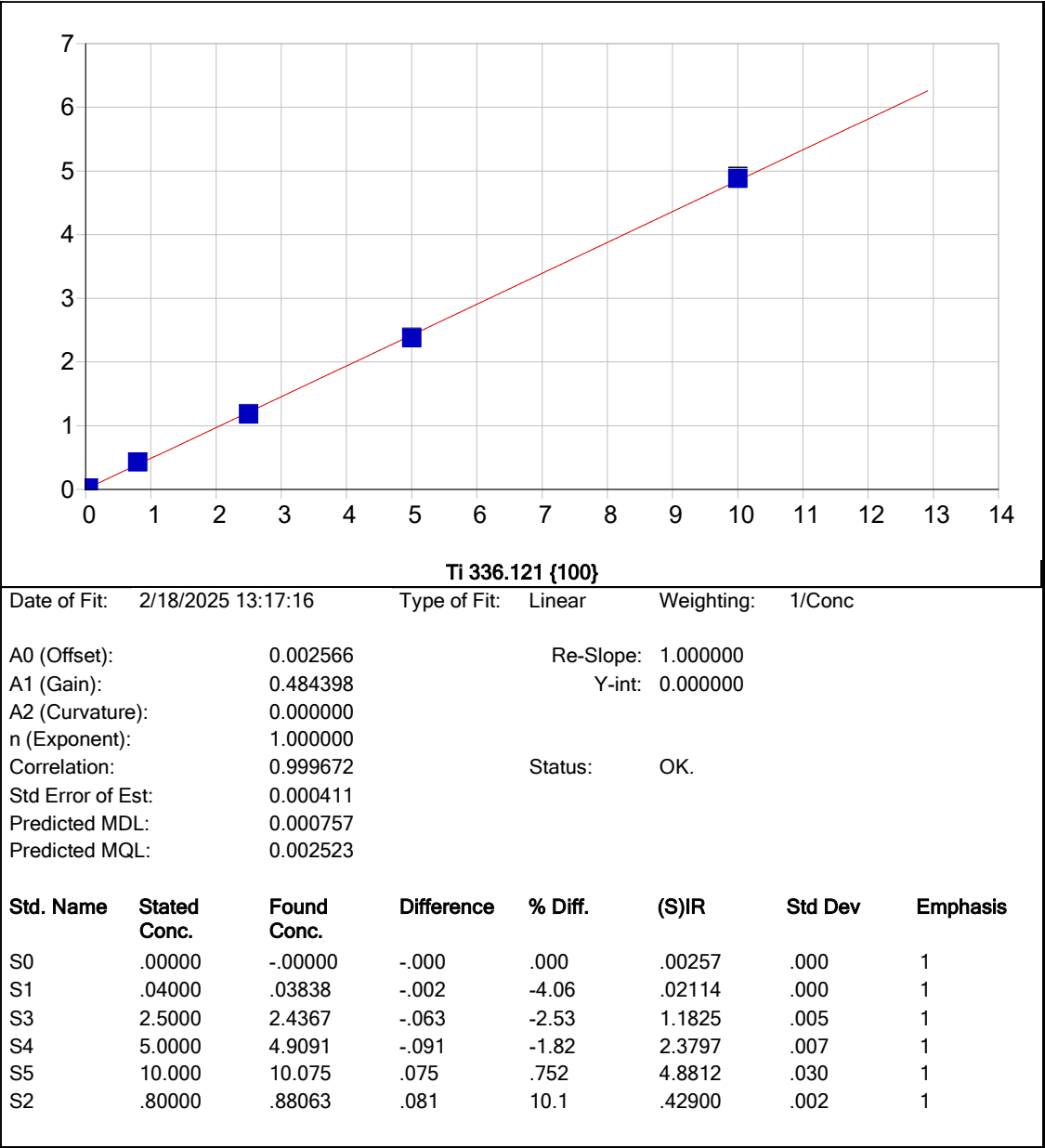


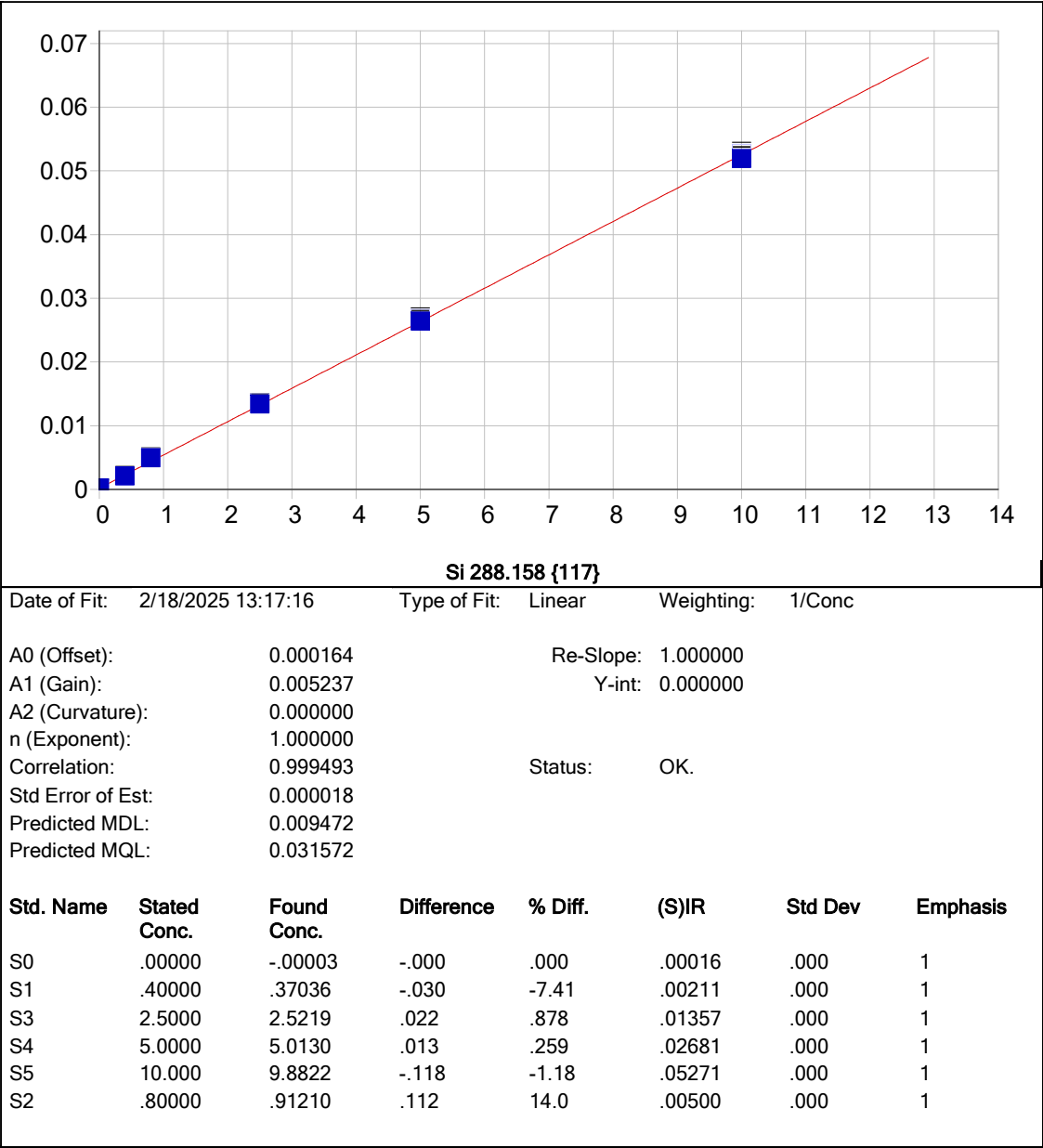


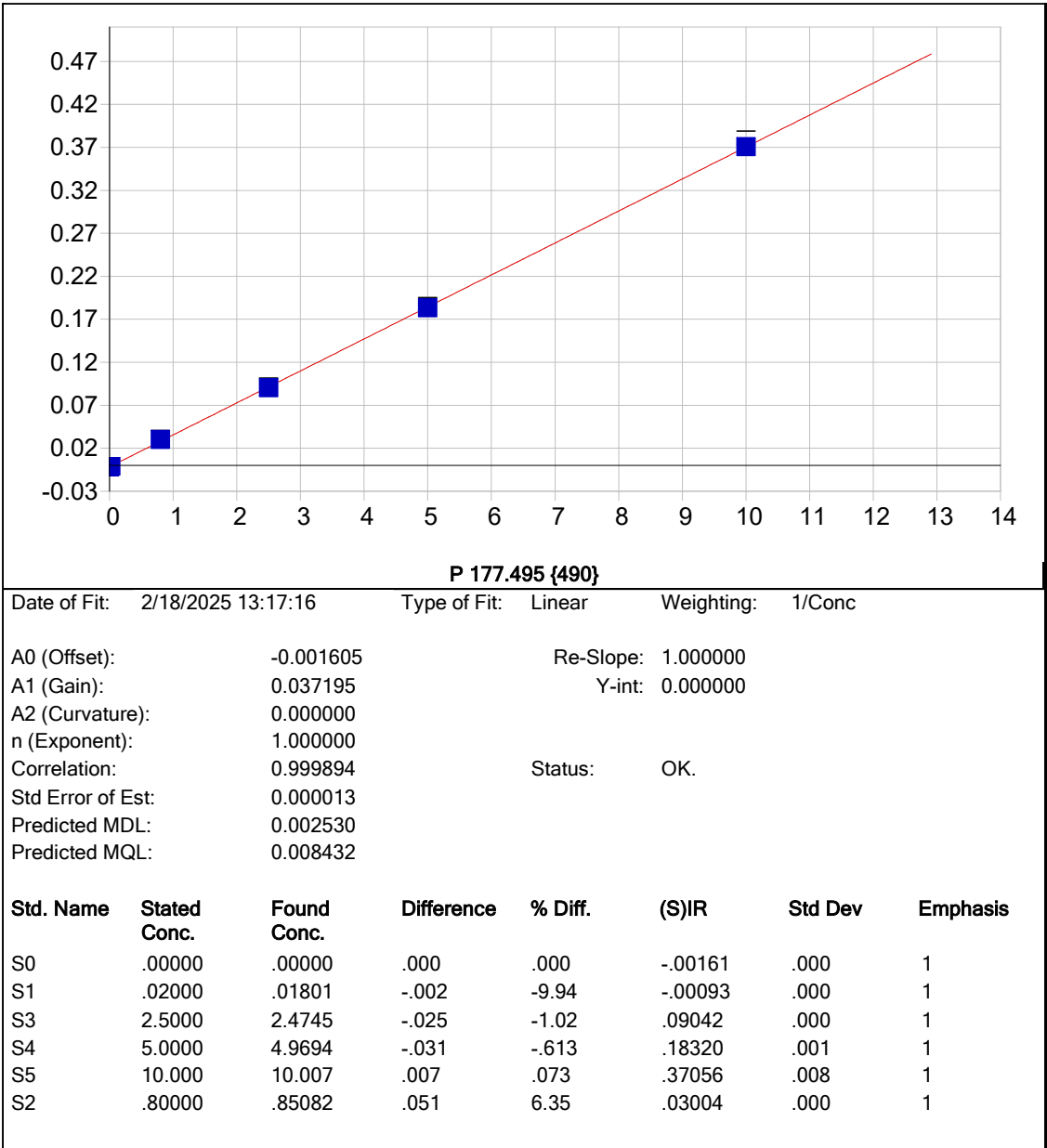


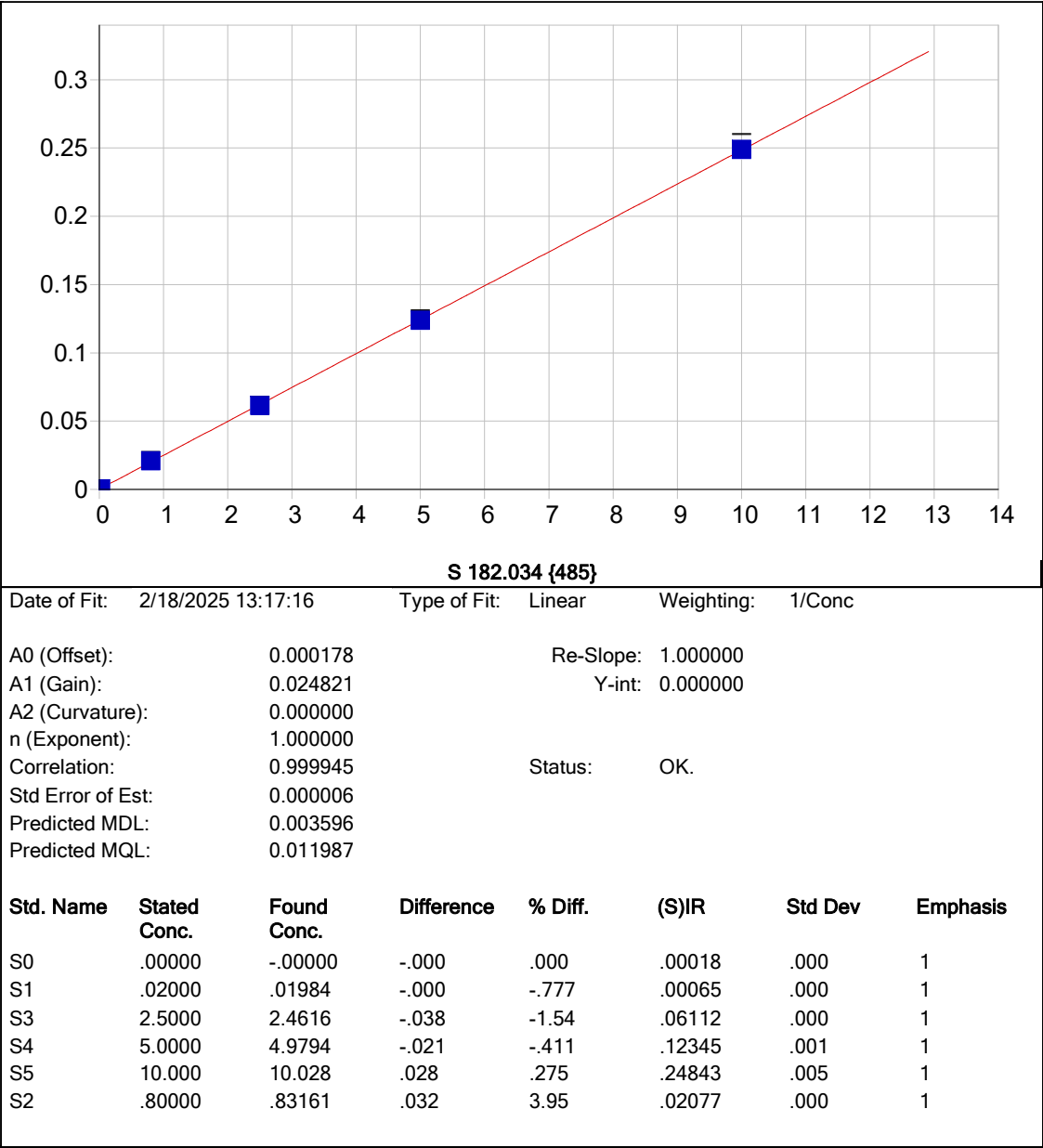


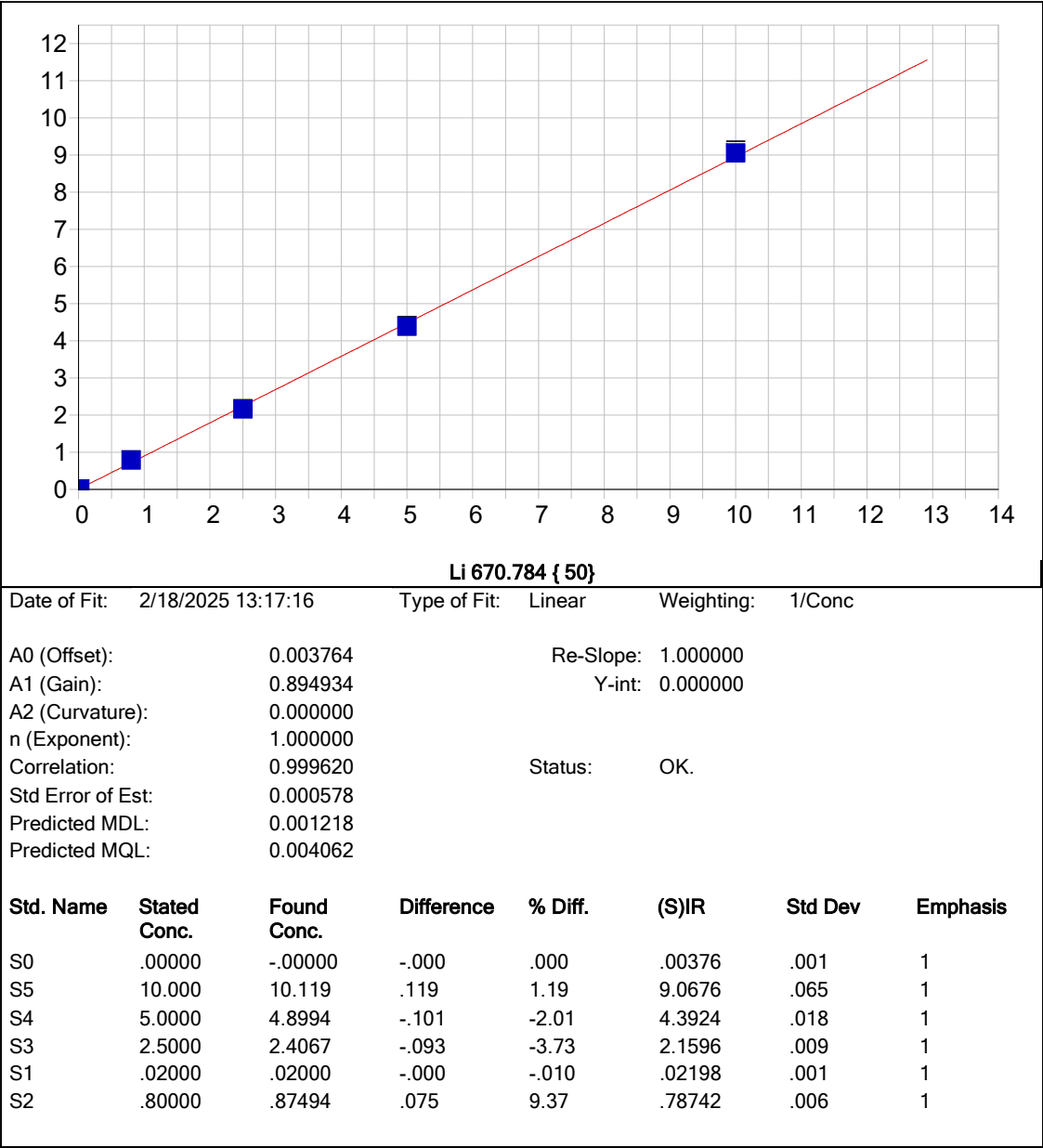


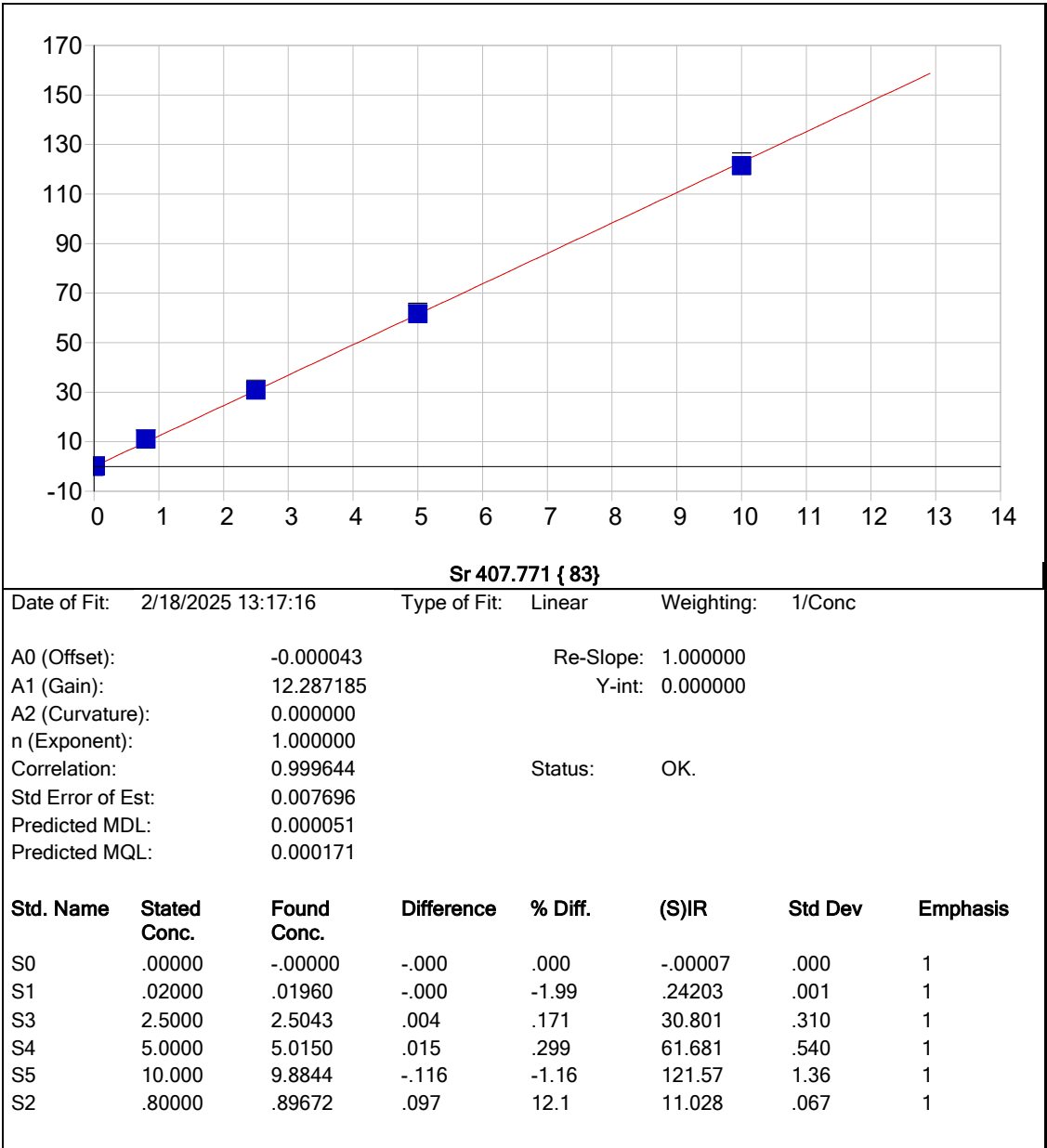


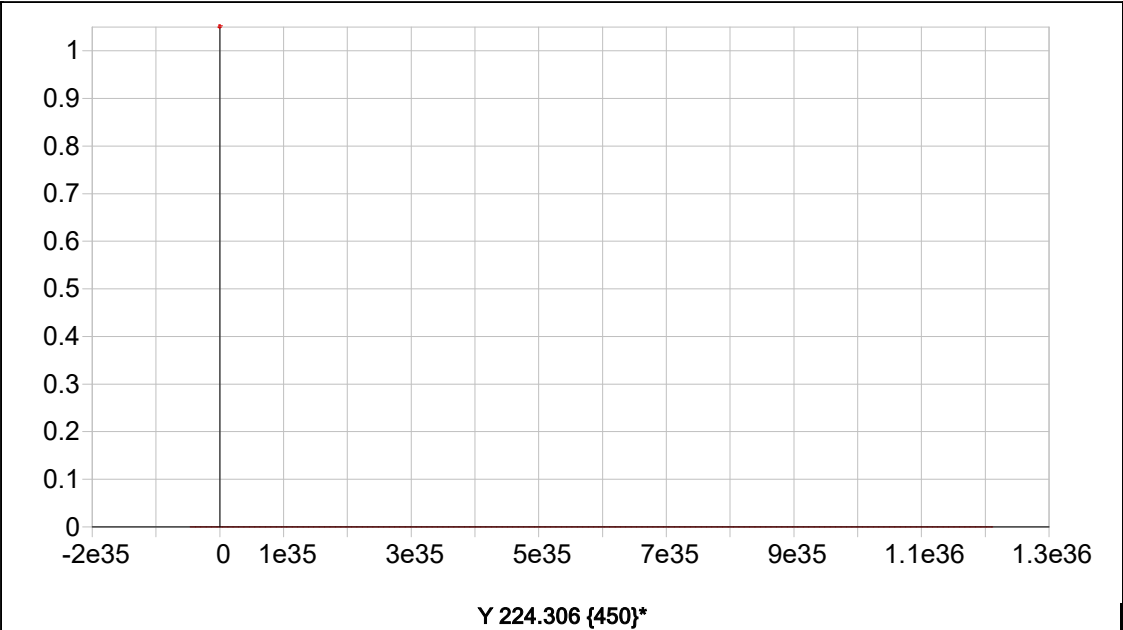






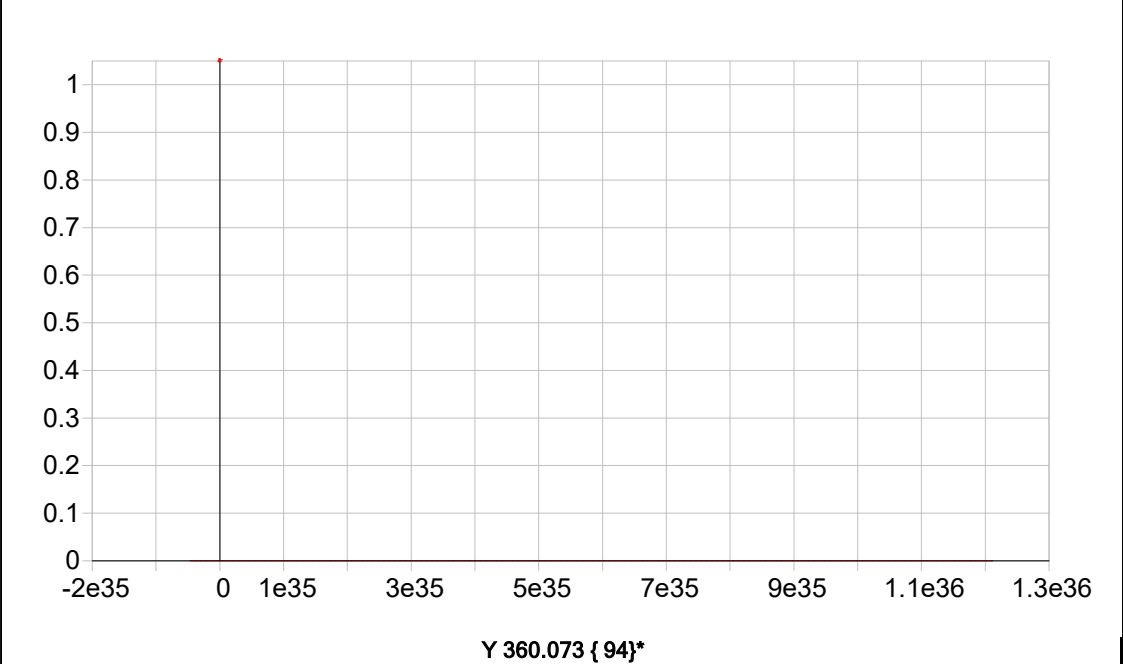




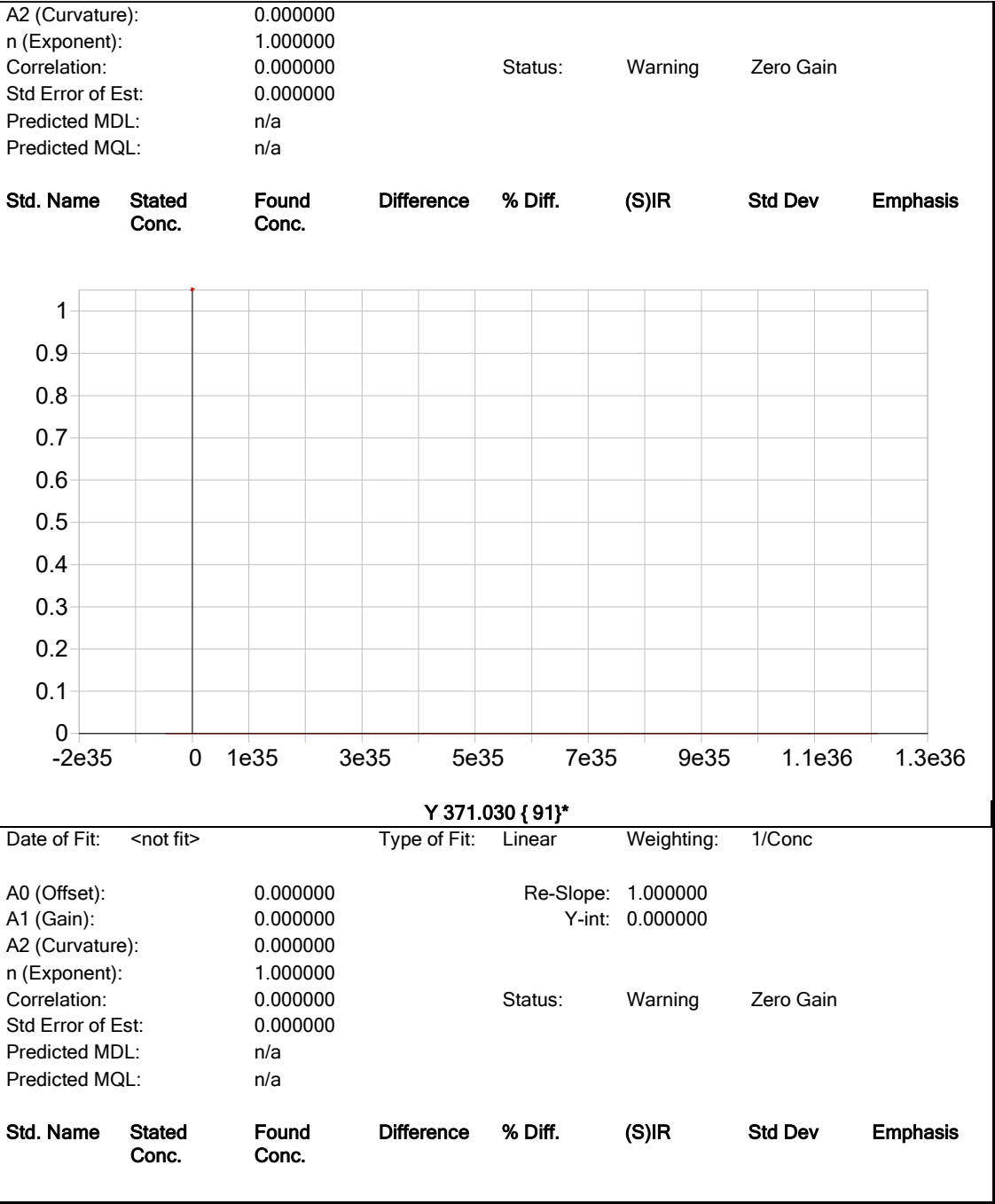


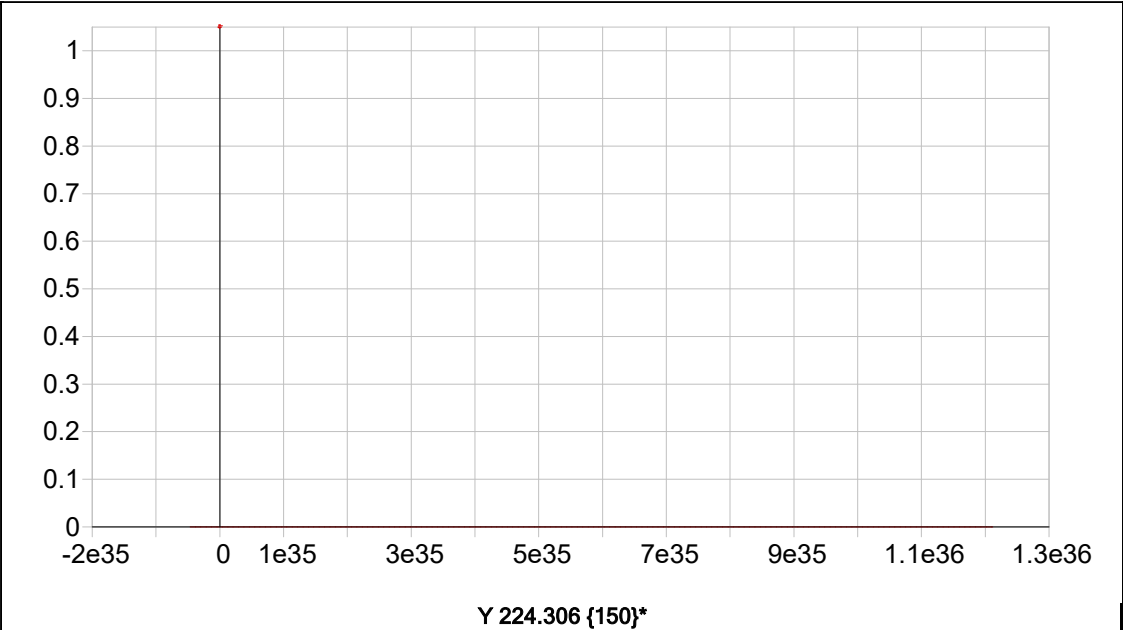
Date of Fit:	2/18/2025 13:17:16	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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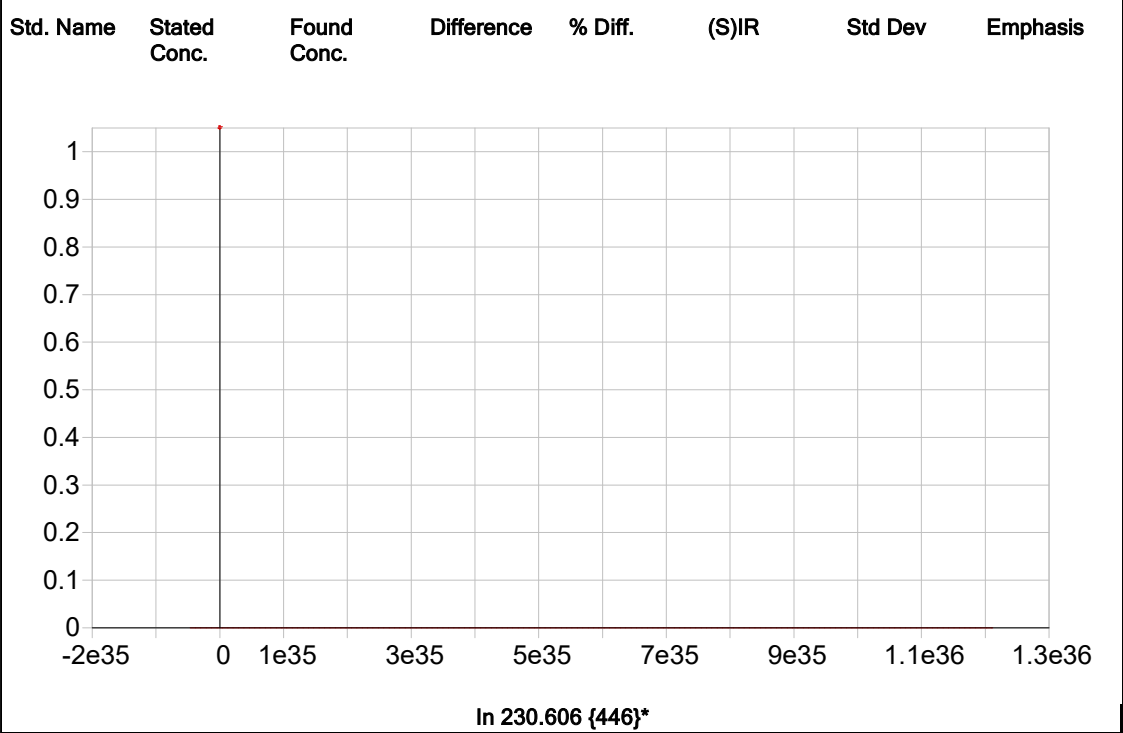


Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		





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

Sample Name: S0 Acquired: 2/18/2025 11:19:45 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	-.00023	.00003	-.00041	.00042	.00047	-.00000	.04311	-.00023
Stddev	.00007	.00004	.00009	.00010	.00007	.00045	.00080	.00002
%RSD	30.509	131.27	20.660	24.885	15.152	12237.	1.8553	8.5444

#1	-.00031	.00005	-.00036	.00042	.00041	.00030	.04368	-.00023
#2	-.00021	.00005	-.00037	.00052	.00045	.00022	.04347	-.00026
#3	-.00017	-.00002	-.00051	.00031	.00055	-.00052	.04220	-.00022

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	-.00006	.00136	.00001	.00000	-.00046	-.00002	-.00005	-.00037
Stddev	.00009	.00013	.00005	.00009	.00022	.00001	.00012	.00017
%RSD	158.42	9.3752	357.42	33485.	48.644	59.898	264.39	47.373

#1	-.00012	.00144	-.00004	-.00010	-.00071	-.00004	-.00011	-.00022
#2	.00005	.00142	.00002	.00004	-.00033	-.00001	.00009	-.00056
#3	-.00011	.00121	.00006	.00006	-.00032	-.00002	-.00012	-.00032

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	.00010	-.00148	.00237	.00015	.00542	-.00059	.00402	.00034
Stddev	.00017	.00002	.00013	.00022	.00051	.00008	.00030	.00007
%RSD	172.31	1.3472	5.6688	151.53	9.3213	12.839	7.4333	20.573

#1	.00023	-.00150	.00235	.00026	.00565	-.00055	.00433	.00026
#2	-.00009	-.00146	.00251	-.00011	.00577	-.00068	.00398	.00037
#3	.00016	-.00148	.00225	.00029	.00484	-.00055	.00374	.00039

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	.00016	.00257	.00016	-.00161	.00018	.00376	-.00007	
Stddev	.00009	.00024	.00003	.00010	.00006	.00123	.00046	
%RSD	58.341	9.2302	19.347	6.0225	31.796	32.635	699.69	

#1	.00024	.00268	.00018	-.00162	.00024	.00291	.00039	
#2	.00006	.00273	.00013	-.00150	.00016	.00517	-.00006	
#3	.00018	.00229	.00018	-.00169	.00013	.00321	-.00053	

Sample Name: S0 Acquired: 2/18/2025 11:19:45 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	2774.1	56783.	10309.	1819.5	4381.5
Stddev	.3	140.	43.	4.1	7.9
%RSD	.00975	.24688	.41339	.22806	.18134
#1	2774.4	56724.	10261.	1814.7	4381.3
#2	2774.1	56681.	10324.	1821.8	4389.5
#3	2773.8	56943.	10342.	1821.9	4373.6

Sample Name: S1 Acquired: 2/18/2025 11:24:13 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	.00077	.00222	.00252	.00203	.00731	.00845	.29162	.02795
Stddev	.00006	.00007	.00013	.00006	.00012	.00029	.00130	.00027
%RSD	7.5797	3.2498	5.1036	2.9243	1.6335	3.4609	.44458	.97148
#1	.00071	.00231	.00267	.00196	.00720	.00858	.29094	.02813
#2	.00076	.00220	.00243	.00207	.00743	.00812	.29312	.02807
#3	.00083	.00217	.00247	.00206	.00730	.00866	.29081	.02763
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	.01412	.11287	.00234	.02568	.01568	.00047	.01243	.02980
Stddev	.00023	.00094	.00007	.00023	.00027	.00004	.00012	.00039
%RSD	1.6614	.83011	3.1666	.88068	1.7209	7.5381	.98369	1.3239
#1	.01386	.11222	.00240	.02571	.01599	.00043	.01229	.02953
#2	.01431	.11394	.00237	.02589	.01553	.00051	.01252	.03025
#3	.01420	.11244	.00226	.02544	.01551	.00047	.01249	.02961
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	.02483	.00126	.05070	.00485	.11775	.01220	.05131	.14121
Stddev	.00006	.00003	.00022	.00011	.00072	.00016	.00055	.00016
%RSD	.24646	2.0739	.43284	2.3571	.60721	1.2973	1.0696	.11534
#1	.02482	.00128	.05093	.00487	.11805	.01223	.05117	.14133
#2	.02477	.00123	.05050	.00473	.11694	.01203	.05192	.14129
#3	.02489	.00127	.05067	.00495	.11827	.01235	.05085	.14103
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	.00477	.02114	.00211	-.00093	.00065	.02198	.24203	
Stddev	.00010	.00034	.00003	.00002	.00006	.00104	.00122	
%RSD	2.1753	1.6048	1.3430	1.8824	9.6346	4.7105	.50608	
#1	.00467	.02075	.00210	-.00091	.00072	.02149	.24228	
#2	.00476	.02134	.00214	-.00095	.00061	.02129	.24311	
#3	.00488	.02134	.00208	-.00094	.00062	.02317	.24070	

Sample Name: S1 Acquired: 2/18/2025 11:24:13 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	2736.6	56168.	10388.	1783.8	4264.5
Stddev	5.4	75.	91.	5.7	15.2
%RSD	.19669	.13414	.87882	.32118	.35533
#1	2733.8	56254.	10431.	1789.2	4247.7
#2	2733.1	56115.	10283.	1777.8	4268.5
#3	2742.8	56135.	10451.	1784.4	4277.2

Sample Name: S2 Acquired: 2/18/2025 11:28:40 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	.03819	.05553	.21556	.06998	.12282	.13686	4.6813	.21653
Stddev	.00034	.00109	.00095	.00036	.00098	.00094	.0329	.00140
%RSD	.88132	1.9710	.44088	.51196	.79855	.68904	.70247	.64500

#1	.03827	.05653	.21565	.06987	.12292	.13644	4.6594	.21582
#2	.03782	.05436	.21457	.06969	.12179	.13620	4.6653	.21563
#3	.03848	.05570	.21646	.07038	.12375	.13794	4.7191	.21814

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.0229	.25450	.04257	.39170	.16959	.00422	.27005	.06311
Stddev	.0048	.00203	.00010	.00171	.00086	.00002	.00146	.00037
%RSD	.46585	.79919	.24503	.43627	.50566	.52421	.53884	.58799

#1	1.0248	.25281	.04269	.39189	.17028	.00420	.26926	.06271
#2	1.0175	.25394	.04251	.38991	.16863	.00422	.26916	.06318
#3	1.0264	.25676	.04251	.39331	.16985	.00424	.27173	.06345

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	.28306	.05959	.11326	.05654	1.1724	.02812	.43560	.64282
Stddev	.00164	.00023	.00047	.00028	.0097	.00009	.00265	.00366
%RSD	.57859	.38144	.41894	.49529	.83065	.32563	.60912	.56888

#1	.28371	.05978	.11378	.05621	1.1805	.02820	.43272	.64516
#2	.28120	.05964	.11285	.05672	1.1751	.02802	.43611	.63861
#3	.28427	.05934	.11315	.05668	1.1615	.02813	.43796	.64470

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	.10539	.42900	.00500	.03004	.02077	.78742	11.028
Stddev	.00061	.00190	.00007	.00019	.00016	.00645	.067
%RSD	.58210	.44177	1.4712	.63404	.77248	.81871	.60961

#1	.10538	.42708	.00509	.03010	.02090	.78414	10.984
#2	.10478	.42905	.00498	.02982	.02059	.78328	10.994
#3	.10601	.43087	.00494	.03019	.02081	.79485	11.105

Sample Name: S2 Acquired: 2/18/2025 11:28:40 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	2715.4	56009.	10402.	1762.3	4175.0
Stddev	10.2	195.	52.	13.9	14.9
%RSD	.37433	.34795	.50335	.78800	.35660
#1	2708.5	55792.	10445.	1747.4	4163.9
#2	2727.1	56067.	10417.	1764.7	4191.9
#3	2710.8	56169.	10344.	1774.9	4169.1

Sample Name: S3 Acquired: 2/18/2025 11:32:51 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	.10922	.16118	.60999	.19955	.34591	.38117	13.004	.60293
Stddev	.00041	.00070	.00294	.00126	.00105	.00137	.053	.00262
%RSD	.37728	.43692	.48141	.63127	.30492	.35927	.40495	.43485

#1	.10887	.16045	.60714	.19825	.34481	.37960	13.011	.60340
#2	.10911	.16124	.60984	.19964	.34599	.38206	12.948	.60528
#3	.10967	.16185	.61301	.20076	.34692	.38187	13.052	.60010

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	2.9053	.69916	.11706	1.1045	.47037	.01166	.74540	.17674
Stddev	.0148	.00115	.00037	.0057	.00210	.00006	.00170	.00044
%RSD	.50806	.16499	.31556	.51322	.44565	.53059	.22800	.25089

#1	2.8913	.70049	.11748	1.0992	.46820	.01168	.74714	.17722
#2	2.9040	.69837	.11678	1.1037	.47052	.01159	.74375	.17665
#3	2.9207	.69863	.11692	1.1105	.47239	.01171	.74532	.17634

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	.79662	.16471	.30819	.15771	3.2114	.07982	1.2030	1.7838
Stddev	.00375	.00052	.00174	.00020	.0120	.00067	.0105	.0063
%RSD	.47051	.31321	.56428	.12459	.37427	.84230	.87632	.35346

#1	.79319	.16528	.30908	.15764	3.2251	.08010	1.2027	1.7771
#2	.79605	.16459	.30619	.15793	3.2028	.07905	1.2137	1.7847
#3	.80062	.16427	.30931	.15755	3.2063	.08031	1.1926	1.7896

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	.30055	1.1825	.01357	.09042	.06112	2.1596	30.801	
Stddev	.00210	.0049	.00002	.00046	.00004	.0089	.310	
%RSD	.69779	.41600	.12377	.50626	.05877	.41287	1.0062	

#1	.29856	1.1858	.01359	.08992	.06113	2.1589	30.683	
#2	.30033	1.1768	.01356	.09051	.06108	2.1511	31.153	
#3	.30274	1.1848	.01356	.09082	.06115	2.1689	30.568	

Sample Name: S3 Acquired: 2/18/2025 11:32:51 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	2643.5	55355.	10308.	1727.9	3966.4
Stddev	7.6	217.	41.	9.2	14.4
%RSD	.28571	.39128	.39735	.53493	.36214
#1	2649.0	55125.	10303.	1717.4	3977.8
#2	2646.7	55554.	10270.	1734.6	3971.1
#3	2634.9	55386.	10351.	1731.8	3950.2

Sample Name: S4 Acquired: 2/18/2025 11:37:04 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	.21626	.32452	1.2055	.39413	.68321	.77470	26.182	1.2163
Stddev	.00161	.00142	.0077	.00272	.00423	.00227	.137	.0033
%RSD	.74620	.43906	.64126	.69072	.61897	.29299	.52134	.27097

#1	.21575	.32297	1.2020	.39311	.68190	.77212	26.323	1.2188
#2	.21497	.32484	1.2003	.39207	.67980	.77559	26.172	1.2125
#3	.21807	.32576	1.2144	.39722	.68794	.77639	26.051	1.2175

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	5.8015	1.4013	.23087	2.1991	.91936	.02293	1.4958	.35912
Stddev	.0338	.0028	.00397	.0147	.00545	.00023	.0070	.00168
%RSD	.58184	.19757	1.7176	.66733	.59301	1.0081	.46620	.46693

#1	5.7845	1.4000	.23519	2.1924	.91823	.02319	1.4925	.36009
#2	5.7796	1.3994	.23002	2.1889	.91457	.02283	1.4911	.35719
#3	5.8404	1.4045	.22739	2.2159	.92529	.02276	1.5038	.36009

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	1.5807	.32642	.60540	.32079	6.3115	.15761	2.4526	3.5147
Stddev	.0099	.00450	.00700	.00118	.0901	.00181	.0072	.0198
%RSD	.62549	1.3783	1.1565	.36631	1.4268	1.1471	.29469	.56458

#1	1.5767	.33140	.61331	.31977	6.4149	.15970	2.4544	3.5094
#2	1.5735	.32519	.60290	.32053	6.2695	.15664	2.4446	3.4980
#3	1.5920	.32266	.59999	.32207	6.2502	.15649	2.4587	3.5366

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	.59947	2.3797	.02681	.18320	.12345	4.3924	61.681	
Stddev	.00389	.0068	.00026	.00132	.00090	.0184	.540	
%RSD	.64831	.28545	.97420	.71957	.72894	.41809	.87557	

#1	.59750	2.3761	.02709	.18230	.12269	4.3867	62.259	
#2	.59697	2.3753	.02678	.18259	.12322	4.3776	61.597	
#3	.60395	2.3875	.02657	.18471	.12444	4.4129	61.189	

Sample Name: S4 Acquired: 2/18/2025 11:37:04 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	2609.6	54579.	9894.6	1684.6	3839.4
Stddev	10.8	742.	25.1	20.8	15.4
%RSD	.41412	1.3604	.25379	1.2352	.40152
#1	2608.0	53748.	9891.2	1660.7	3842.7
#2	2621.1	54812.	9921.3	1694.2	3852.9
#3	2599.6	55178.	9871.4	1698.8	3822.6

Sample Name: S5 Acquired: 2/18/2025 11:41:24 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	.42148	.62692	2.3720	.75952	1.3280	1.5825	53.873	2.4638
Stddev	.00921	.00882	.0510	.01654	.0307	.0079	.763	.0140
%RSD	2.1845	1.4077	2.1518	2.1778	2.3099	.50182	1.4169	.56775
#1	.41538	.61871	2.3454	.74748	1.3083	1.5876	54.724	2.4567
#2	.41699	.62579	2.3397	.75269	1.3125	1.5864	53.645	2.4799
#3	.43207	.63625	2.4309	.77838	1.3634	1.5733	53.250	2.4547
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	11.442	2.8501	.44027	4.3598	1.7715	.04442	3.0526	.73108
Stddev	.241	.0135	.00013	.0977	.0404	.00033	.0137	.00489
%RSD	2.1033	.47515	.02864	2.2407	2.2797	.74147	.44780	.66922
#1	11.312	2.8597	.44034	4.3066	1.7454	.04479	3.0672	.73422
#2	11.295	2.8560	.44035	4.3002	1.7510	.04418	3.0505	.73358
#3	11.720	2.8346	.44012	4.4725	1.8180	.04427	3.0401	.72544
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	3.1111	.63619	1.1826	.65672	12.159	.31030	5.0154	6.8370
Stddev	.0686	.00163	.0112	.00344	.076	.00300	.0303	.1537
%RSD	2.2033	.25579	.94307	.52372	.62247	.96551	.60502	2.2475
#1	3.0730	.63794	1.1955	.65870	12.245	.31375	5.0086	6.7356
#2	3.0701	.63591	1.1757	.65870	12.104	.30833	5.0485	6.7616
#3	3.1902	.63472	1.1766	.65275	12.127	.30882	4.9890	7.0138
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	1.1779	4.8812	.05271	.37056	.24843	9.0676	121.57	
Stddev	.0244	.0301	.00035	.00758	.00478	.0648	1.36	
%RSD	2.0743	.61703	.67137	2.0467	1.9222	.71454	1.1197	
#1	1.1641	4.9087	.05310	.36527	.24580	9.1379	120.49	
#2	1.1635	4.8860	.05242	.36716	.24554	9.0546	123.10	
#3	1.2061	4.8490	.05260	.37925	.25394	9.0103	121.13	

Sample Name: S5 Acquired: 2/18/2025 11:41:24 Type: Cal
Method: NON EPA-6010-200.7(v2521) 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	2571.7	54253.	9341.5	1664.1	3699.1
Stddev	52.5	177.	46.6	7.5	71.9
%RSD	2.0425	.32586	.49832	.45028	1.9447
#1	2603.7	54057.	9353.6	1655.6	3735.6
#2	2600.3	54303.	9290.1	1669.8	3745.4
#3	2511.1	54399.	9380.8	1667.0	3616.2

Sample Name: ICV01 Acquired: 2/18/2025 11:58:16 Type: Unk
Method: NON EPA-6010-200.7(v2706) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.022860	1.023360	.9922029	1.015293	.9981878	2.586273
Stddev	.006305	.006630	.0040317	.002682	.0047607	.014390
%RSD	.6164169	.6478274	.4063399	.2641611	.4769303	.5563925
#1	1.021759	1.015930	.9907709	1.015367	.9977344	2.594541
#2	1.017177	1.025480	.9890826	1.012575	.9936700	2.594622
#3	1.029643	1.028670	.9967551	1.017937	1.003159	2.569657
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5128177	.5189601	.4961817	9.963402	.5140947	.4980965
Stddev	.0030736	.0059648	.0020563	.092827	.0007783	.0021351
%RSD	.5993601	1.149371	.4144209	.9316754	.1513882	.4286608
#1	.5158009	.5237985	.4951504	10.05499	.5146678	.4970542
#2	.5129912	.5207860	.4948452	9.96583	.5132087	.4966826
#3	.5096610	.5122958	.4985496	9.86938	.5144076	.5005525
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5139892	9.603380	.5227719	5.736452	.5518097	.2500852
Stddev	.0021134	.054264	.0043417	.045513	.0021523	.0010715
%RSD	.4111706	.5650541	.8305153	.7934079	.3900459	.4284474
#1	.5139571	9.597556	.5267884	5.776941	.5516397	.2511140
#2	.5118921	9.552263	.5233621	5.745224	.5497474	.2501659
#3	.5161184	9.660321	.5181654	5.687191	.5540419	.2489756
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.43271	.5182336	.9848750	9.436577	F 2.185567	2.476151
Stddev	.03894	.0016008	.0040556	.005419	.028299	.010449
%RSD	.3732833	.3088990	.4117866	.0574300	1.294808	.4219716
#1	10.39959	.5186840	.9882518	9.431143	2.207987	2.477789
#2	10.42293	.5195610	.9859965	9.441981	2.194944	2.464980
#3	10.47561	.5164559	.9803766	9.436607	2.153770	2.485683

Sample Name: ICV01 Acquired: 2/18/2025 11:58:16 Type: Unk
Method: NON EPA-6010-200.7(v2706) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 2.260569	F 2.118974	2.600902	F .0043766	F -.005050	F -.002127
Stddev	.010003	.014631	.020157	.0021918	.003413	.001203
%RSD	.4424815	.6904858	.7750029	50.08039	67.57490	56.59486
#1	2.255489	2.131440	2.587426	.0028162	-.001419	-.001850
#2	2.254125	2.122616	2.591204	.0034311	-.008191	-.003444
#3	2.272092	2.102866	2.624074	.0068825	-.005541	-.001085

Elem	Sr4077
Units	ppm
Avg	F -.008536
Stddev	.000040
%RSD	.4678785
#1	-.008525
#2	-.008503
#3	-.008580

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2695.749	56815.47	10364.92	1763.169	4106.678
Stddev	10.608	10.22	116.49	7.224	16.221
%RSD	.3934934	.0179923	1.123908	.4097236	.3949799
#1	2695.879	56818.72	10261.99	1754.862	4113.442
#2	2706.292	56823.68	10341.38	1766.663	4118.422
#3	2685.078	56804.02	10491.38	1767.982	4088.170

Sample Name: LLICV01 Acquired: 2/18/2025 12:10:07 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0232885	.0375919	.0119928	.0198027	.0503824	.0996327	.0917584
Stddev	.0019841	.0011291	.0009376	.0016865	.0026612	.0016040	.0004614
%RSD	8.519648	3.003636	7.817906	8.516360	5.281918	1.609949	.5028649

#1	.0226142	.0363186	.0112311	.0195296	.0514466	.0983205	.0922315
#2	.0255219	.0384714	.0117075	.0182695	.0473538	.0991567	.0917343
#3	.0217295	.0379857	.0130399	.0216091	.0523467	.1014209	.0913096

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056187	.0060059	1.942083	.0102114	.0290989	.0217936	.1083196
Stddev	.0000329	.0000328	.005185	.0002017	.0001708	.0003559	.0059421
%RSD	.5852515	.5455309	.2669572	1.975650	.5869226	1.633116	5.485713

#1	.0055816	.0060430	1.936244	.0099858	.0291128	.0217029	.1092436
#2	.0056302	.0059807	1.946146	.0102739	.0289216	.0214919	.1137456
#3	.0056443	.0059940	1.943859	.0103745	.0292624	.0221861	.1019697

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197562	2.000446	.0386231	.0104357	2.004466	.0366533	.0451690
Stddev	.0003426	.011519	.0002028	.0002196	.021064	.0016502	.0007222
%RSD	1.734339	.5758447	.5251819	2.104106	1.050842	4.502052	1.598800

#1	.0193824	2.008147	.0384473	.0104705	2.028418	.0370428	.0446412
#2	.0198311	1.987203	.0385768	.0106357	1.988830	.0380739	.0459920
#3	.0200553	2.005989	.0388450	.0102008	1.996149	.0348433	.0448738

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.007321	.0921236	.2008721	.0386345	.0380387	.3725681	.0188542
Stddev	.035244	.0004001	.0004403	.0006346	.0004402	.0138736	.0009756
%RSD	1.755793	.4343508	.2192086	1.642604	1.157156	3.723788	5.174355

#1	2.044228	.0925166	.2007184	.0393446	.0383186	.3880621	.0192444
#2	2.003721	.0917167	.2005293	.0384361	.0382661	.3612956	.0177439
#3	1.974016	.0921376	.2013687	.0381228	.0375313	.3683464	.0195743

Sample Name: LLICV01 Acquired: 2/18/2025 12:10:07 Type: Unk
 Method: NON EPA-6010-200.7(v2521) 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	.0199208	.0174367	.0193536
Stddev	.0034632	.0006504	.0000520
%RSD	17.38503	3.729916	.2686996

#1	.0160606	.0171265	.0193721
#2	.0209460	.0181841	.0192949
#3	.0227556	.0169996	.0193939

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2776.056	56698.61	10744.71	1781.187	4346.213
Stddev	5.660	465.90	29.92	12.876	3.181
%RSD	.2038810	.8217045	.2784678	.7228625	.0731855

#1	2775.801	56164.29	10725.34	1767.707	4345.613
#2	2781.839	56911.62	10729.60	1782.494	4349.652
#3	2770.528	57019.92	10779.17	1793.359	4343.376

Sample Name: ICB01 Acquired: 2/18/2025 12:14:30 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.000491	-.002577	.0009823	-.001265	-.000777	.0020338	-.000769
Stddev	.001856	.001471	.0001886	.001669	.002423	.0050328	.000902
%RSD	377.7400	57.09012	19.19896	131.9085	311.9683	247.4619	117.3222

#1	.001216	-.001592	.0008690	-.002375	.000714	.0077735	-.001646
#2	-.000223	-.004269	.0008779	.000654	-.003572	-.000048	-.000819
#3	-.002467	-.001871	.0012000	-.002073	.000528	-.001624	.000157

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000320	.0000205	-.014136	.0000908	.0000068	.0001238	.0056995
Stddev	.0000030	.0000312	.009588	.0000940	.0000844	.0003074	.0003400
%RSD	9.305067	152.4932	67.82363	103.5241	1230.765	248.2235	5.965782

#1	.0000306	.0000441	-.024642	.0001864	.0000704	-.000225	.0060037
#2	.0000354	.0000322	-.011907	-.000002	-.000089	.000240	.0053324
#3	.0000299	-.000015	-.005860	.000088	.000039	.000356	.0057623

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000045	-.000682	.0002932	.0003127	-.001419	.0002126	-.000714
Stddev	.000188	.015747	.0001493	.0000954	.007985	.0011251	.000296
%RSD	414.2417	2308.934	50.91644	30.50925	562.5545	529.1416	41.46418

#1	.000171	.014343	.0004575	.0004184	-.007581	.0010309	-.001012
#2	-.000171	-.017063	.0002560	.0002328	.007602	-.001070	-.000709
#3	-.000136	.000674	.0001660	.0002870	-.004279	.000677	-.000420

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0332912	-.003643	-.000404	-.000626	-.000001	.0004402	.0015032
Stddev	.0135905	.000601	.000151	.000740	.000267	.0026786	.0012655
%RSD	40.82307	16.51157	37.44509	118.1960	20555.61	608.5182	84.18309

#1	.0342171	-.003577	-.000352	-.000890	.000241	.0034820	.0020639
#2	.0192614	-.003076	-.000286	-.001199	-.000288	-.000596	.0023915
#3	.0463950	-.004274	-.000575	.000210	.000044	-.001566	.0000543

Sample Name: ICB01 Acquired: 2/18/2025 12:14:30 Type: Unk
 Method: NON EPA-6010-200.7(v2521) 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	-.001594	-.001360	-.000057
Stddev	.003466	.000619	.000023
%RSD	217.4333	45.52836	40.17411

#1	-.005384	-.002049	-.000077
#2	.001415	-.000848	-.000032
#3	-.000814	-.001184	-.000062

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2724.448	57071.17	10373.78	1798.324	4263.918
Stddev	7.185	269.95	30.21	9.722	11.325
%RSD	.2637277	.4730013	.2912213	.5406256	.2656080

#1	2717.902	56759.61	10407.60	1787.612	4254.389
#2	2723.307	57235.38	10364.29	1806.590	4260.927
#3	2732.136	57218.53	10349.46	1800.769	4276.439

Sample Name: CRI01 Acquired: 2/18/2025 12:18:52 Type: Unk
Method: NON EPA-6010-200.7(v2521) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0228914	.0370658	.0133656	.0195779	.0509066	.0924552	.0913033
Stddev	.0036023	.0001579	.0009789	.0036714	.0004221	.0046969	.0004442
%RSD	15.73636	.4260453	7.323815	18.75284	.8292564	5.080151	.4864953

#1	.0214384	.0372427	.0122460	.0162141	.0505811	.0969099	.0908483
#2	.0202426	.0369391	.0140597	.0190252	.0513836	.0929069	.0917358
#3	.0269933	.0370156	.0137910	.0234943	.0507552	.0875488	.0913258

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056096	.0061076	1.926833	.0102846	.0291125	.0219384	.1065675
Stddev	.0000110	.0000602	.006766	.0000639	.0002023	.0001163	.0015922
%RSD	.1967093	.9862743	.3511488	.6210013	.6949038	.5302430	1.494102

#1	.0056124	.0060453	1.931071	.0102628	.0292588	.0220661	.1082913
#2	.0055975	.0061120	1.930398	.0102344	.0288816	.0218385	.1051520
#3	.0056190	.0061655	1.919030	.0103565	.0291971	.0219107	.1062592

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0199310	1.993877	.0390177	.0102873	1.979302	.0368243	.0442616
Stddev	.0005854	.014087	.0005286	.0000842	.006284	.0017711	.0001575
%RSD	2.937351	.7064919	1.354897	.8186902	.3174932	4.809568	.3557316

#1	.0205785	1.981326	.0385382	.0102602	1.972418	.0380404	.0444383
#2	.0197754	2.009113	.0389304	.0103817	1.984731	.0376401	.0442105
#3	.0194391	1.991192	.0395846	.0102199	1.980757	.0347923	.0441361

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.975840	.0910548	.2015796	.0381293	.0373597	.3642960	.0188640
Stddev	.042133	.0002384	.0006541	.0002873	.0005010	.0115675	.0029415
%RSD	2.132404	.2618384	.3244704	.7535028	1.340957	3.175294	15.59318

#1	1.928617	.0909431	.2021617	.0380605	.0368257	.3767618	.0217028
#2	2.009583	.0913285	.2008718	.0378827	.0378193	.3622172	.0158296
#3	1.989320	.0908927	.2017053	.0384448	.0374340	.3539088	.0190597

Sample Name: CRI01 Acquired: 2/18/2025 12:18:52 Type: Unk
Method: NON EPA-6010-200.7(v2521) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0208924	.0181541	.0191661
Stddev	.0026816	.0008448	.0001181
%RSD	12.83508	4.653505	.6160876
#1	.0221906	.0171787	.0192354
#2	.0226777	.0186534	.0192332
#3	.0178088	.0186302	.0190298

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2729.393	57036.11	10676.79	1792.170	4252.993
Stddev	7.497	221.84	44.36	1.800	13.067
%RSD	.2746824	.3889490	.4154645	.1004151	.3072366
#1	2725.282	57037.91	10670.52	1792.228	4256.904
#2	2738.046	56813.37	10635.90	1790.342	4263.657
#3	2724.850	57257.04	10723.95	1793.940	4238.417

Sample Name: ICSA01 Acquired: 2/18/2025 12:23:11 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.000102	.0058480	.0069112	-.016808	-.002153	235.4481
Stddev	.005177	.0000869	.0001990	.004768	.001572	1.0013
%RSD	5078.884	1.486558	2.878714	28.36639	72.98567	.4252762

#1	-.005303	.0059460	.0066818	-.017383	-.003157	234.2984
#2	-.000053	.0057801	.0070365	-.021263	-.000342	235.9168
#3	.005050	.0058179	.0070154	-.011779	-.002961	236.1291

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006980	.0012366	-.000107	220.9237	.0564489	.0015506
Stddev	.0010042	.0000235	.000162	1.0060	.0003191	.0001673
%RSD	143.8612	1.896242	151.3348	.4553457	.5653387	10.78949

#1	.0018091	.0012150	-.000210	219.9260	.0566115	.0017132
#2	-.000145	.0012616	-.000191	221.9377	.0566538	.0013790
#3	.000430	.0012332	.000080	220.9074	.0560812	.0015597

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0177413	96.24662	.0039060	241.2512	.0024012	-.001820
Stddev	.0011249	.43906	.0003317	.9650	.0004519	.000278
%RSD	6.340550	.4561775	8.491071	.4000098	18.82046	15.24788

#1	.0176001	96.46331	.0041837	240.1952	.0019203	-.001539
#2	.0166937	96.53520	.0039954	242.0873	.0028170	-.002094
#3	.0189302	95.74134	.0035388	241.4710	.0024662	-.001826

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0458398	.0067731	.0038788	.0716791	.0334528	-.000855
Stddev	.0061552	.0004173	.0006874	.0171734	.0001971	.000473
%RSD	13.42760	6.161517	17.72263	23.95873	.5891258	55.36936

#1	.0399542	.0068770	.0046408	.0584875	.0333822	-.001356
#2	.0522331	.0063136	.0033053	.0654525	.0336754	-.000416
#3	.0453319	.0071286	.0036903	.0910972	.0333007	-.000792

Sample Name: ICSA01 Acquired: 2/18/2025 12:23:11 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.004255	-.001968	.0084757	.0018270	-.018869	F -.034800
Stddev	.001526	.001293	.0040942	.0036274	.004933	.001336
%RSD	35.85455	65.71477	48.30517	198.5448	26.14568	3.837963
#1	-.004867	-.003024	.0081204	-.000690	-.022328	-.035593
#2	-.002518	-.002353	.0045707	.005985	-.013220	-.033258
#3	-.005380	-.000526	.0127359	.000186	-.021060	-.035550

Elem	Sr4077
Units	ppm
Avg	-.006309
Stddev	.000870
%RSD	13.79345
#1	-.007280
#2	-.006047
#3	-.005599

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2414.924	50466.44	9959.027	1565.665	3429.455
Stddev	11.920	313.11	11.710	16.217	15.110
%RSD	.4935808	.6204379	.1175829	1.035775	.4405890
#1	2419.616	50110.26	9951.143	1550.165	3429.872
#2	2423.784	50590.75	9953.456	1564.315	3444.352
#3	2401.373	50698.32	9972.483	1582.514	3414.141

Sample Name: ICSAB01 Acquired: 2/18/2025 12:29:11 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.1187336	.0935407	.0557860	.0330206	.6185655	243.2094
Stddev	.0026604	.0025869	.0009512	.0035488	.0052171	.5193
%RSD	2.240667	2.765491	1.705080	10.74732	.8434123	.2135393

#1	.1177966	.0964750	.0552135	.0326950	.6165781	243.0379
#2	.1166684	.0925576	.0568840	.0296457	.6146343	243.7929
#3	.1217357	.0915895	.0552605	.0367210	.6244842	242.7976

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4517424	.4762117	1.007180	227.2254	.5660936	.5062790
Stddev	.0035527	.0039815	.004672	1.2419	.0031890	.0021151
%RSD	.7864385	.8360867	.4638321	.5465464	.5633403	.4177746

#1	.4489230	.4721901	1.007842	226.1909	.5627081	.5058217
#2	.4557328	.4801519	1.002213	228.6027	.5690409	.5044300
#3	.4505713	.4762931	1.011486	226.8825	.5665317	.5085854

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5053231	101.1691	.4553084	246.6744	1.002188	.2172180
Stddev	.0028304	.4644	.0039507	.8275	.005385	.0008483
%RSD	.5601188	.4590295	.8676913	.3354726	.5373167	.3905370

#1	.5051749	100.7547	.4522352	245.9730	1.000654	.2163200
#2	.5025696	101.6710	.4597647	247.5871	.997737	.2173282
#3	.5082246	101.0815	.4539255	246.4631	1.008174	.2180058

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0491381	.4551966	1.043169	.0614571	1.016910	1.103756
Stddev	.0084367	.0011963	.002879	.0171547	.006099	.006723
%RSD	17.16940	.2628052	.2760317	27.91325	.5997832	.6091139

#1	.0401169	.4557465	1.039885	.0428674	1.010339	1.102778
#2	.0568333	.4538242	1.045264	.0648274	1.022390	1.097575
#3	.0504642	.4560189	1.044357	.0766765	1.018001	1.110914

Sample Name: ICSAB01 Acquired: 2/18/2025 12:29:11 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	1.097577	.9949981	.9978795	F .0067215	F -.021740	F -.036551
Stddev	.003486	.0052912	.0072284	.0011172	.003350	.000707
%RSD	.3175932	.5317774	.7243740	16.62206	15.41028	1.933716
#1	1.096910	.9902922	1.002933	.0055234	-.021500	-.036231
#2	1.094473	1.000726	.989600	.0069061	-.025204	-.037361
#3	1.101348	.993977	1.001106	.0077349	-.018517	-.036060

Elem	Sr4077
Units	ppm
Avg	F -.007855
Stddev	.000164
%RSD	2.083086
#1	-.007963
#2	-.007667
#3	-.007936

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2382.351	49612.36	10045.53	1546.413	3389.330
Stddev	14.805	161.67	59.12	3.170	17.063
%RSD	.6214365	.3258740	.5884810	.2049928	.5034232
#1	2384.872	49783.05	10102.59	1547.132	3391.016
#2	2395.734	49461.53	9984.55	1542.946	3405.488
#3	2366.448	49592.52	10049.44	1549.162	3371.487

Sample Name: ICSADLX20 Acquired: 2/18/2025 12:33:13 Type: Unk
Method: NON EPA-6010-200.7(v2521) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICSADLX20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011492	-.003442	.0005440	-.001786	-.000079	11.79219	-.001247
Stddev	.0004431	.001240	.0012723	.001455	.001413	.05748	.000773
%RSD	38.55768	36.03114	233.8852	81.43391	1788.180	.4874153	62.04661

#1	.0009360	-.002752	.0019096	-.002705	.001353	11.74663	-.000791
#2	.0016587	-.002700	.0003301	-.002545	-.001472	11.85676	-.002139
#3	.0008531	-.004873	-.000608	-.000109	-.000118	11.77318	-.000809

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000918	-.000047	11.64130	.0029630	-.000030	.0011638	5.019652
Stddev	.0000286	.000101	.01682	.0000848	.000215	.0003553	.056923
%RSD	31.14255	216.3831	.1444806	2.861096	725.4319	30.53195	1.133994

#1	.0000677	-.000002	11.65479	.0030604	.000159	.0013447	4.975980
#2	.0000842	-.000163	11.64665	.0029232	.000016	.0007545	5.084029
#3	.0001234	.000024	11.62245	.0029055	-.000263	.0013924	4.998946

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000360	11.92156	.0002707	-.000129	.0192679	.0004787	-.000539
Stddev	.0002167	.04387	.0001115	.000203	.0024305	.0015174	.000352
%RSD	602.1541	.3680149	41.19118	158.2375	12.61434	317.0147	65.25258

#1	.0001497	11.93148	.0003125	-.000315	.0168158	.0018500	-.000538
#2	.0001721	11.95962	.0003552	.000088	.0216763	-.001152	-.000892
#3	-.000214	11.87358	.0001443	-.000159	.0193115	.000737	-.000188

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0375409	-.000970	-.000055	-.000775	.0001394	.0001535	-.002202
Stddev	.0045058	.000281	.000056	.000724	.0003760	.0021216	.001534
%RSD	12.00248	28.94535	102.0564	93.47911	269.7111	1381.686	69.65325

#1	.0328166	-.000764	-.000081	-.001390	.0004812	-.002058	-.000460
#2	.0417908	-.000856	.000009	-.000958	-.000263	.000346	-.002796
#3	.0380153	-.001290	-.000094	.000023	.000200	.002172	-.003350

Sample Name: ICSADLX20 Acquired: 2/18/2025 12:33:13 Type: Unk
 Method: NON EPA-6010-200.7(v2521) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: ICSADLX20 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001929	-.003336	-.000328
Stddev	.002403	.000728	.000045
%RSD	124.5538	21.81224	13.78310
#1	.000645	-.002782	-.000279
#2	-.002321	-.003066	-.000368
#3	-.004112	-.004161	-.000337

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2696.163	55529.98	10627.21	1742.301	4122.313
Stddev	5.474	330.50	64.34	11.593	8.671
%RSD	.2030275	.5951748	.6054514	.6653704	.2103376
#1	2691.959	55755.32	10562.05	1752.777	4112.476
#2	2702.353	55150.58	10628.87	1729.846	4128.846
#3	2694.178	55684.05	10690.70	1744.280	4125.617

Sample Name: ICSABDLX20 Acquired: 2/18/2025 12:37:30 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0073659	.0038060	.0034755	.0034455	.0355563	11.72193	.0257830
Stddev	.0002868	.0010064	.0011478	.0021873	.0012183	.02410	.0004367
%RSD	3.892932	26.44186	33.02567	63.48322	3.426443	.2055876	1.693733

#1	.0075524	.0042148	.0047416	.0012191	.0345225	11.74121	.0253419
#2	.0070357	.0045436	.0031820	.0055914	.0352469	11.72966	.0257920
#3	.0075096	.0026595	.0025029	.0035259	.0368995	11.69491	.0262151

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0310039	.0609552	11.59373	.0350345	.0302850	.0323395	4.851128
Stddev	.0001673	.0002291	.03567	.0001970	.0000768	.0003292	.054526
%RSD	.5395189	.3758670	.3076860	.5624549	.2535296	1.017948	1.123976

#1	.0311702	.0608827	11.57008	.0348471	.0302450	.0323185	4.804162
#2	.0308357	.0607712	11.57634	.0350164	.0302365	.0320213	4.910925
#3	.0310059	.0612118	11.63476	.0352400	.0303735	.0326787	4.838297

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0299043	11.84419	.0613299	.0127044	.0160401	.0291743	.0623785
Stddev	.0002117	.03277	.0008207	.0005249	.0078219	.0013565	.0003403
%RSD	.7079024	.2766376	1.338136	4.131378	48.76447	4.649644	.5456085

#1	.0300918	11.82300	.0607495	.0132702	.0070940	.0279029	.0623368
#2	.0296747	11.82764	.0609714	.0126098	.0194379	.0290176	.0620609
#3	.0299465	11.88193	.0622688	.0122333	.0215886	.0306023	.0627377

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105801	.0334143	.0372469	.0349021	.0349970	.0316603	-.001438
Stddev	.0066337	.0010449	.0003443	.0013116	.0008267	.0017844	.002209
%RSD	62.69980	3.127087	.9244464	3.758004	2.362275	5.636071	153.6448

#1	.0135084	.0335143	.0368507	.0358459	.0341152	.0297282	.000488
#2	.0029861	.0323231	.0374159	.0334044	.0357546	.0320063	-.000951
#3	.0152457	.0344057	.0374741	.0354560	.0351212	.0332463	-.003850

Sample Name: ICSABDLX20 Acquired: 2/18/2025 12:37:30 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0017416	-.003309	-.000148
Stddev	.0026275	.000668	.000071
%RSD	150.8651	20.19891	48.24063
#1	-.000874	-.003496	-.000106
#2	.004381	-.003865	-.000230
#3	.001718	-.002567	-.000108

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2726.510	56102.01	10242.91	1787.057	4160.832
Stddev	8.977	325.34	43.29	7.897	15.492
%RSD	.3292365	.5799079	.4226311	.4419149	.3723243
#1	2724.955	56232.02	10196.67	1786.870	4156.094
#2	2736.163	55731.76	10282.48	1779.256	4178.139
#3	2718.413	56342.24	10249.58	1795.047	4148.262

Sample Name: CCV01 Acquired: 2/18/2025 12:41:44 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	4.939483	4.958689	4.937633	4.960287	4.969019	9.744082	9.793896
Stddev	.015282	.027494	.020795	.014578	.027839	.027653	.072940
%RSD	.3093858	.5544615	.4211512	.2938884	.5602450	.2837879	.7447532

#1	4.928714	4.960165	4.926870	4.956071	4.951326	9.753307	9.866336
#2	4.932761	4.930486	4.924426	4.948283	4.954624	9.765942	9.720466
#3	4.956974	4.985415	4.961604	4.976509	5.001108	9.712996	9.794885

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2436357	2.468501	24.43649	1.001777	2.466278	1.249851	5.045414
Stddev	.0010614	.008524	.04987	.002506	.008504	.004674	.030236
%RSD	.4356439	.3453036	.2040972	.2501593	.3448165	.3739660	.5992828

#1	.2444931	2.465516	24.47124	1.003029	2.463185	1.248418	5.024449
#2	.2424486	2.461871	24.45889	.998891	2.459753	1.246061	5.080075
#3	.2439655	2.478116	24.37935	1.003410	2.475896	1.255073	5.031718

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.454033	24.04494	2.472834	1.247705	25.08979	2.441619	2.489275
Stddev	.009114	.07195	.009842	.001276	.12271	.011926	.002913
%RSD	.3714091	.2992508	.3979908	.1022970	.4890771	.4884536	.1170286

#1	2.453510	23.98105	2.468489	1.248276	24.97008	2.430734	2.492320
#2	2.463398	24.03087	2.465911	1.246243	25.21529	2.454367	2.488989
#3	2.445191	24.12289	2.484100	1.248596	25.08400	2.439757	2.486515

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.11829	4.843226	4.989759	4.943134	4.901966	4.961500	4.961439
Stddev	.17729	.015667	.020546	.014541	.019886	.026822	.010057
%RSD	.7058201	.3234826	.4117568	.2941607	.4056747	.5406087	.2027079

#1	24.97392	4.858259	4.975402	4.938851	4.895390	4.933595	4.968246
#2	25.31617	4.826994	4.980581	4.931216	4.924307	4.987089	4.949887
#3	25.06477	4.844425	5.013294	4.959335	4.886201	4.963818	4.966184

Sample Name: CCV01 Acquired: 2/18/2025 12:41:44 Type: Unk
 Method: NON EPA-6010-200.7(v2521) 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	4.898544	4.909374	4.920315
Stddev	.017296	.029168	.020171
%RSD	.3530831	.5941194	.4099579
#1	4.896196	4.894488	4.903493
#2	4.882543	4.942981	4.914774
#3	4.916894	4.890654	4.942678

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2626.141	54805.64	10005.82	1706.519	3872.290
Stddev	9.430	199.70	64.75	2.371	13.882
%RSD	.3590742	.3643852	.6471250	.1389223	.3584959
#1	2632.538	54634.99	9943.54	1703.784	3876.347
#2	2630.573	55025.28	10072.79	1707.981	3883.692
#3	2615.312	54756.65	10001.13	1707.792	3856.832

Sample Name: CCB01 Acquired: 2/18/2025 12:45:56 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0007735	-.004498	-.000417	-.000772	-.001409	-.004730	-.000384
Stddev	.0029929	.001092	.000620	.002559	.000406	.000721	.000787
%RSD	386.9449	24.26873	148.5965	331.5716	28.83447	15.24423	205.0031
#1	.0030778	-.005627	-.000493	.001442	-.001657	-.003912	.000188
#2	.0018518	-.003448	.000237	-.000184	-.000940	-.005272	-.000058
#3	-.002609	-.004420	-.000995	-.003574	-.001630	-.005005	-.001281
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000026	.0001224	-.015066	.0001195	.0000401	.0001778	.0017414
Stddev	.000022	.0000371	.003107	.0000336	.0002599	.0004556	.0047811
%RSD	82.44934	30.34904	20.62529	28.09193	647.9333	256.2370	274.5617
#1	-.000050	.0001406	-.017010	.0001521	-.000203	.0001830	.0068648
#2	-.000006	.0001469	-.016704	.0000851	.000009	-.000280	.0009608
#3	-.000023	.0000797	-.011482	.0001212	.000314	.000631	-.002601
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000022	.0041397	.0000448	.0001895	.0204155	.0013238	-.001058
Stddev	.000084	.0091095	.0001049	.0001646	.0050510	.0017077	.000165
%RSD	387.4532	220.0515	234.1430	86.86441	24.74077	128.9960	15.61918
#1	-.000032	-.006296	.0000243	.0003411	.0257821	.0028848	-.000979
#2	-.000100	.008216	.0001585	.0002132	.0157544	-.000500	-.000947
#3	.000067	.010499	-.000048	.0000143	.0197101	.001587	-.001248
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0175283	.0034132	-.000065	.0002267	.0005102	.0038516	.0000602
Stddev	.0224646	.0005101	.000175	.0007279	.0006133	.0013457	.0015343
%RSD	128.1617	14.94465	266.7627	321.0207	120.2110	34.93981	2548.815
#1	.0407209	.0031125	-.000115	.0002897	.0008017	.0034722	-.001684
#2	.0159936	.0040021	-.000210	.0009211	.0009234	.0027363	.000662
#3	-.004130	.0031248	.000129	-.000531	-.000195	.0053463	.001202

Sample Name: CCB01 Acquired: 2/18/2025 12:45:56 Type: Unk
 Method: NON EPA-6010-200.7(v2521) 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	.0001155	-.001085	.0000244
Stddev	.0022843	.001051	.0000265
%RSD	1977.968	96.79152	108.5279

#1	-.000546	.000075	.0000476
#2	.002658	-.001972	-.000004
#3	-.001765	-.001359	.000030

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2676.516	56400.81	10613.04	1741.357	4209.577
Stddev	9.685	154.52	45.05	5.783	18.115
%RSD	.3618695	.2739679	.4244779	.3320720	.4303244

#1	2672.371	56258.34	10606.36	1745.849	4208.470
#2	2687.584	56565.07	10571.71	1743.388	4228.219
#3	2669.593	56379.01	10661.06	1734.833	4192.040

Sample Name: Q1322-01 Acquired: 2/18/2025 12:50:17 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0016608	-.004971	.0021790	-.002522	-.001584	.0470330
Stddev	.0010669	.002071	.0001799	.000269	.001854	.0081756
%RSD	64.23946	41.66790	8.253608	10.66305	117.0290	17.38275

#1	.0021166	-.004082	.0019741	-.002498	-.003359	.0416687
#2	.0024242	-.007338	.0023107	-.002265	.000339	.0564426
#3	.0004417	-.003492	.0022523	-.002801	-.001732	.0429876

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0366786	.0000125	.0000246	24.38357	.0005261	-.000127
Stddev	.0011101	.0000641	.0000741	.28531	.0003897	.000098
%RSD	3.026491	512.5207	300.6159	1.170079	74.06647	77.35145

#1	.0367918	.0000064	.0001022	24.45955	.0000908	-.000019
#2	.0377277	-.000048	.0000170	24.62320	.0008423	-.000149
#3	.0355163	.000079	-.000045	24.06797	.0006451	-.000212

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1125105	.3449883	.0346167	7.833113	.0020269	.0001306
Stddev	.0006285	.0026891	.0004794	.108071	.0001018	.0001131
%RSD	.5586147	.7794848	1.384732	1.379670	5.023673	86.58039

#1	.1120716	.3426015	.0343781	7.858943	.0019135	.0001061
#2	.1122294	.3444616	.0351685	7.925928	.0020567	.0002540
#3	.1132305	.3479018	.0343035	7.714467	.0021105	.0000318

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	201.2801	-.000403	.2803135	14.97099	.0705388	.0009844
Stddev	2.4623	.000186	.0027622	.10241	.0012694	.0002428
%RSD	1.223298	46.17708	.9854022	.6840367	1.799583	24.66645

#1	198.4824	-.000359	.2780892	14.90844	.0717674	.0009444
#2	202.2406	-.000243	.2794459	14.91535	.0706169	.0012447
#3	203.1174	-.000607	.2834054	15.08917	.0692322	.0007640

Sample Name: Q1322-01 Acquired: 2/18/2025 12:50:17 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.001489	.0006874	3.113723	2.825127	F 12.62989	-.003757
Stddev	.000403	.0002461	.006910	.019523	.10473	.000243
%RSD	27.09227	35.79422	.2219159	.6910562	.8292303	6.471558
#1	-.001436	.0004062	3.108085	2.803457	12.53111	-.003485
#2	-.001114	.0008630	3.111653	2.830582	12.61885	-.003831
#3	-.001916	.0007931	3.121431	2.841343	12.73970	-.003954

Elem	Sr4077
Units	ppm
Avg	.0893281
Stddev	.0008754
%RSD	.9799272
#1	.0896399
#2	.0900048
#3	.0883395

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2580.390	54322.56	10994.40	1691.136	3815.175
Stddev	16.817	301.85	139.92	19.472	26.907
%RSD	.6517183	.5556584	1.272684	1.151435	.7052739
#1	2597.663	54661.95	10987.09	1710.845	3843.838
#2	2579.437	54221.57	10858.28	1690.654	3811.226
#3	2564.070	54084.15	11137.84	1671.909	3790.460

Sample Name: Q1322-01DUP Acquired: 2/18/2025 12:54:39 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0017056	-.004359	.0021647	-.000885	-.001669	.0445674
Stddev	.0022829	.001259	.0004680	.001192	.001735	.0046057
%RSD	133.8474	28.89239	21.61991	134.7241	103.9708	10.33423

#1	.0038058	-.003262	.0016890	-.000142	-.002643	.0405843
#2	-.000724	-.004081	.0021805	-.002260	.000334	.0496108
#3	.002035	-.005735	.0026246	-.000252	-.002699	.0435072

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0352877	.0000184	.0000184	24.53121	.0004486	.0000040
Stddev	.0004516	.0000173	.0001322	.04121	.0003549	.0002548
%RSD	1.279778	93.73593	718.2558	.1679729	79.12367	6406.173

#1	.0354925	.0000314	-.000119	24.55483	.0004284	-.000215
#2	.0356007	-.000001	.000030	24.48363	.0001042	-.000056
#3	.0347700	.000025	.000145	24.55516	.0008132	.000283

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1117456	.3533526	.0346787	7.785737	.0020227	.0000362
Stddev	.0009768	.0017852	.0000531	.047748	.0002981	.0002679
%RSD	.8741227	.5052175	.1529968	.6132775	14.73694	739.5593

#1	.1128247	.3514097	.0347047	7.763064	.0023376	-.000223
#2	.1109219	.3549206	.0346177	7.753549	.0019854	.000312
#3	.1114900	.3537275	.0347137	7.840597	.0017450	.000019

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	203.7977	.0005087	.2834663	15.22192	.0692199	.0007903
Stddev	1.0619	.0001808	.0034499	.03690	.0003463	.0000846
%RSD	.5210711	35.53694	1.217050	.2423860	.5003041	10.70700

#1	204.3222	.0004040	.2805101	15.26451	.0691262	.0007903
#2	202.5755	.0007174	.2826319	15.19966	.0689300	.0007058
#3	204.4953	.0004046	.2872569	15.20160	.0696034	.0008750

Sample Name: Q1322-01DUP Acquired: 2/18/2025 12:54:39 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.001505	.0001647	3.131606	2.790424	F 12.42127	-.003510
Stddev	.000341	.0008929	.012463	.028726	.15477	.000351
%RSD	22.65237	542.1994	.3979799	1.029438	1.246014	10.00758
#1	-.001284	-.000662	3.117377	2.821315	12.59608	-.003458
#2	-.001334	.001111	3.136856	2.764515	12.30170	-.003884
#3	-.001898	.000045	3.140585	2.785442	12.36602	-.003187

Elem	Sr4077
Units	ppm
Avg	.0904434
Stddev	.0006498
%RSD	.7184260
#1	.0911748
#2	.0899329
#3	.0902225

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2591.112	54136.38	11016.83	1682.567	3847.638
Stddev	19.168	469.36	73.09	10.475	27.712
%RSD	.7397534	.8670039	.6634353	.6225802	.7202430
#1	2569.295	54623.70	11082.84	1691.215	3815.641
#2	2598.791	54098.12	11029.37	1685.568	3863.276
#3	2605.250	53687.31	10938.29	1670.919	3863.997

Sample Name: Q1322-01LX5 Acquired: 2/18/2025 12:59:01 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0005443	-.005097	.0009619	-.001091	-.002223	.0106097	.0068288
Stddev	.0021473	.001104	.0005007	.001244	.001386	.0028379	.0003885
%RSD	394.5285	21.65136	52.05747	113.9892	62.34992	26.74818	5.688848

#1	-.001556	-.003929	.0015400	-.001381	-.000814	.0078665	.0070757
#2	.002735	-.005240	.0006662	-.002165	-.002269	.0104289	.0070297
#3	.000454	-.006123	.0006795	.000272	-.003585	.0135337	.0063810

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000470	-.000006	5.066473	.0004765	-.000188	.0227146	.0744923
Stddev	.0000439	.000110	.005929	.0002900	.000349	.0002045	.0050113
%RSD	93.60468	1796.708	.1170272	60.85671	185.6009	.9000995	6.727250

#1	.0000169	.000120	5.070331	.0001681	.000079	.0224972	.0738229
#2	.0000265	-.000056	5.059646	.0005178	-.000583	.0229029	.0798046
#3	.0000974	-.000082	5.069442	.0007436	-.000060	.0227439	.0698493

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074911	1.597994	.0005944	-.000043	39.31703	-.000251	.0550141
Stddev	.0001086	.027585	.0002372	.000164	.18618	.000626	.0008327
%RSD	1.449514	1.726211	39.91066	380.3409	.4735346	248.9938	1.513666

#1	.0074078	1.589305	.0005220	-.000003	39.20492	.000011	.0549142
#2	.0076139	1.628878	.0004018	.000097	39.21422	-.000965	.0558923
#3	.0074516	1.575801	.0008594	-.000223	39.53194	.000201	.0542358

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.880449	.0111040	.0000041	-.000740	.0002559	.6089282	.5422846
Stddev	.043095	.0004135	.0001077	.001153	.0003472	.0033625	.0018597
%RSD	1.496124	3.723598	2621.714	155.8075	135.7173	.5521963	.3429294

#1	2.857422	.0115241	.0000399	-.001621	.0003260	.6066460	.5435680
#2	2.853759	.0110902	-.000117	-.001165	.0005627	.6073490	.5431339
#3	2.930166	.0106975	.000089	.000565	-.000121	.6127896	.5401519

Sample Name: Q1322-01LX5 Acquired: 2/18/2025 12:59:01 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	2.379796	-.002158	.0186397
Stddev	.011031	.000224	.0000290
%RSD	.4635336	10.39214	.1554069
#1	2.373739	-.002360	.0186334
#2	2.392528	-.001917	.0186713
#3	2.373119	-.002197	.0186144

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2685.838	55980.13	10833.35	1758.164	4096.002
Stddev	3.172	204.25	31.45	8.256	7.745
%RSD	.1180961	.3648696	.2903355	.4696077	.1890859
#1	2689.447	56215.25	10846.78	1764.297	4103.298
#2	2683.491	55878.57	10797.41	1748.776	4087.875
#3	2684.576	55846.56	10855.87	1761.418	4096.832

Sample Name: Q1322-01MS Acquired: 2/18/2025 13:03:20 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.7801794	1.864706	.9242838	1.834939	.7680708	1.788724
Stddev	.0016352	.013699	.0014383	.007258	.0030104	.010500
%RSD	.2095871	.7346286	.1556108	.3955523	.3919436	.5870207

#1	.7783298	1.873421	.9231710	1.837381	.7707428	1.800654
#2	.7807755	1.848917	.9237726	1.826775	.7648092	1.784633
#3	.7814328	1.871781	.9259079	1.840662	.7686604	1.780885

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2067743	.1761882	.1856626	24.01961	.3730063	.1874209
Stddev	.0021499	.0017699	.0001323	.10083	.0047046	.0001635
%RSD	1.039707	1.004545	.0712757	.4198010	1.261275	.0872330

#1	.2083316	.1775618	.1855098	24.09456	.3701605	.1872549
#2	.2043215	.1741909	.1857387	23.90497	.3704217	.1875817
#3	.2076699	.1768120	.1857393	24.05931	.3784366	.1874262

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3848586	3.126050	.2126987	9.002208	.4715861	.0699783
Stddev	.0008056	.039024	.0007733	.039281	.0003284	.0012527
%RSD	.2093266	1.248354	.3635739	.4363472	.0696471	1.790081

#1	.3857366	3.091618	.2128655	9.044712	.4712335	.0689412
#2	.3841533	3.118092	.2118556	8.967244	.4718833	.0696237
#3	.3846860	3.168439	.2133751	8.994667	.4716416	.0713700

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	178.3562	.2671205	.4461374	22.59990	.3184735	.3888825
Stddev	1.1203	.0013276	.0042969	.28140	.0027518	.0001790
%RSD	.6281470	.4970066	.9631321	1.245132	.8640687	.0460227

#1	178.6093	.2686291	.4456928	22.34613	.3203828	.3888604
#2	177.1310	.2666016	.4420802	22.55105	.3153192	.3890714
#3	179.3283	.2661307	.4506393	22.90253	.3197186	.3887156

Sample Name: Q1322-01MS Acquired: 2/18/2025 13:03:20 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.6582828	.1787591	3.490251	8.260469	F 11.59499	.1796721
Stddev	.0012380	.0010983	.053843	.030165	.02635	.0022713
%RSD	.1880628	.6143845	1.542664	.3651788	.2272318	1.264158
#1	.6590930	.1791935	3.437235	8.255047	11.60507	.1791678
#2	.6568577	.1775101	3.488631	8.233382	11.56509	.1776953
#3	.6588976	.1795738	3.544885	8.292978	11.61481	.1821532

Elem	Sr4077
Units	ppm
Avg	.2603303
Stddev	.0012845
%RSD	.4933948
#1	.2607813
#2	.2588812
#3	.2613284

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2641.890	56269.60	10561.33	1757.330	3884.813
Stddev	1.541	486.34	70.69	12.541	4.987
%RSD	.0583138	.8643023	.6693282	.7136181	.1283765
#1	2643.660	56571.43	10489.23	1760.430	3890.401
#2	2640.850	56528.81	10630.52	1768.030	3880.815
#3	2641.159	55708.57	10564.26	1743.530	3883.222

Sample Name: Q1322-01MSD Acquired: 2/18/2025 13:07:29 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.7895538	1.806072	.9266972	1.871945	.7801668	1.805873
Stddev	.0033743	.042684	.0026660	.004751	.0031466	.012846
%RSD	.4273657	2.363378	.2876868	.2537740	.4033250	.7113306

#1	.7857987	1.760924	.9296846	1.867434	.7776085	1.801197
#2	.7905310	1.811524	.9258472	1.871499	.7836803	1.820401
#3	.7923316	1.845769	.9245599	1.876903	.7792116	1.796020

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2054819	.1769120	.1861407	24.13400	.3807044	.1881615
Stddev	.0014035	.0011955	.0006115	.12404	.0004718	.0003563
%RSD	.6830445	.6757819	.3284930	.5139506	.1239251	.1893653

#1	.2050420	.1756959	.1868436	24.11251	.3801938	.1884793
#2	.2070527	.1780859	.1857311	24.26738	.3807952	.1882290
#3	.2043511	.1769542	.1858475	24.02212	.3811242	.1877763

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3886145	3.220468	.2125606	9.069943	.4720626	.0718052
Stddev	.0005111	.026889	.0022644	.105223	.0013631	.0003628
%RSD	.1315266	.8349286	1.065295	1.160134	.2887564	.5052672

#1	.3886928	3.250893	.2125854	9.011704	.4736350	.0718256
#2	.3880687	3.210617	.2148125	9.191410	.4713391	.0714326
#3	.3890820	3.199894	.2102839	9.006714	.4712139	.0721574

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	187.4796	.2674723	.4606144	23.36470	.3200688	.3924932
Stddev	1.4145	.0022102	.0017809	.06107	.0029066	.0011717
%RSD	.7544845	.8263182	.3866462	.2613605	.9081128	.2985343

#1	188.2715	.2684573	.4587183	23.43406	.3167376	.3929223
#2	185.8465	.2690187	.4608729	23.34104	.3220891	.3911675
#3	188.3208	.2649408	.4622519	23.31901	.3213795	.3933900

Sample Name: Q1322-01MSD Acquired: 2/18/2025 13:07:29 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.6601779	.1799973	3.632284	8.217450	F 11.63308	.1796537
Stddev	.0028061	.0009599	.028176	.032065	.03476	.0005077
%RSD	.4250439	.5332853	.7757117	.3902061	.2987680	.2825819
#1	.6632929	.1789724	3.664195	8.251261	11.59495	.1794603
#2	.6593926	.1808753	3.610837	8.187477	11.64132	.1802296
#3	.6578481	.1801441	3.621821	8.213612	11.66298	.1792710

Elem	Sr4077
Units	ppm
Avg	.2607369
Stddev	.0012758
%RSD	.4892980
#1	.2610019
#2	.2618594
#3	.2593495

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2598.005	54625.22	10580.54	1691.220	3840.731
Stddev	2.365	71.33	66.52	.816	4.629
%RSD	.0910392	.1305863	.6287035	.0482617	.1205220
#1	2599.827	54552.90	10628.04	1691.820	3835.390
#2	2598.857	54695.52	10504.51	1691.550	3843.234
#3	2595.332	54627.25	10609.06	1690.291	3843.570

Sample Name: Q1322-01A Acquired: 2/18/2025 13:11:37 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.8149018	1.900077	.9410110	1.924856	.7981691	1.824352
Stddev	.0030061	.007153	.0025000	.006745	.0040411	.015926
%RSD	.3688886	.3764394	.2656757	.3504247	.5062925	.8729641

#1	.8138730	1.907879	.9425756	1.931121	.8014444	1.839254
#2	.8125451	1.898521	.9423299	1.917716	.7936532	1.826233
#3	.8182872	1.893830	.9381277	1.925731	.7994098	1.807569

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1982588	.1886528	.1893782	24.10543	.3860682	.1905851
Stddev	.0006545	.0009510	.0003822	.09076	.0019078	.0005560
%RSD	.3301186	.5040931	.2018375	.3764921	.4941532	.2917210

#1	.1975155	.1875662	.1897438	24.06624	.3875182	.1912006
#2	.1987486	.1890584	.1894096	24.20919	.3839070	.1901194
#3	.1985123	.1893337	.1889813	24.04085	.3867794	.1904352

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3957226	3.106216	.2129570	9.197956	.4796397	.0729621
Stddev	.0011706	.021696	.0014450	.023250	.0010069	.0004909
%RSD	.2958113	.6984627	.6785222	.2527782	.2099212	.6728238

#1	.3968215	3.130137	.2113144	9.192355	.4804411	.0735040
#2	.3944916	3.087810	.2140320	9.223496	.4785096	.0725471
#3	.3958547	3.100702	.2135245	9.178018	.4799685	.0728353

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	178.5649	.2700691	.4701172	21.89913	.3406730	.3976284
Stddev	.8401	.0009338	.0031800	.13214	.0020767	.0024442
%RSD	.4705011	.3457681	.6764204	.6033984	.6095932	.6146860

#1	178.7410	.2700948	.4684021	22.02515	.3382782	.3996454
#2	179.3031	.2709898	.4681630	21.91062	.3417639	.3949103
#3	177.6507	.2691227	.4737865	21.76162	.3419770	.3983296

Sample Name: Q1322-01A Acquired: 2/18/2025 13:11:37 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.6711800	.1792145	3.481758	8.439386	F 11.98891	.1779333
Stddev	.0021471	.0005317	.028345	.020312	.02823	.0012451
%RSD	.3199010	.2966874	.8140984	.2406800	.2354881	.6997362

#1	.6716020	.1791341	3.512417	8.452135	12.02007	.1789467
#2	.6730847	.1797819	3.476350	8.415962	11.98160	.1783098
#3	.6688532	.1787276	3.456506	8.450061	11.96504	.1765434

Elem	Sr4077
Units	ppm
Avg	.2568907
Stddev	.0012590
%RSD	.4900931

#1	.2568088
#2	.2581886
#3	.2556746

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2549.518	53606.26	9921.226	1643.286	3768.658
Stddev	11.064	241.31	34.709	8.989	12.797
%RSD	.4339608	.4501570	.3498444	.5470376	.3395697

#1	2538.562	53330.33	9956.234	1638.898	3754.917
#2	2560.687	53777.82	9886.824	1653.626	3780.237
#3	2549.304	53710.62	9920.620	1637.333	3770.820

Sample Name: PB166737BL Acquired: 2/18/2025 13:15:45 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0015356	-.002946	.0022045	-.001040	-.001609	.0242259
Stddev	.0035179	.000137	.0006491	.002201	.001417	.0070344
%RSD	229.0980	4.653578	29.44346	211.5036	88.05950	29.03650

#1	-.001342	-.002816	.0027461	-.001309	-.000074	.0179285
#2	.005457	-.002933	.0023823	-.003094	-.002866	.0318175
#3	.000492	-.003089	.0014850	.001282	-.001887	.0229318

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002409	.0000169	-.000021	.0334004	.0010404	.0001107
Stddev	.001115	.0000183	.000037	.0034696	.0003498	.0001867
%RSD	46.27364	107.9336	178.6615	10.38787	33.62002	168.6289

#1	-.001132	.0000380	-.000063	.0312826	.0006697	-.000066
#2	-.003188	.0000067	-.000006	.0315140	.0013646	.000092
#3	-.002906	.0000061	.000007	.0374045	.0010867	.000306

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005656	.0359399	.0011671	.0713509	.0002102	.0001030
Stddev	.0001159	.0014131	.0000924	.0171856	.0004715	.0002391
%RSD	20.48806	3.931753	7.916950	24.08599	224.2763	232.1589

#1	.0004348	.0343217	.0011337	.0526951	.0005260	.0003603
#2	.0006555	.0369300	.0010961	.0865367	-.000332	.0000612
#3	.0006065	.0365681	.0012716	.0748208	.000436	-.000112

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.021057	-.001749	.0030347	.0136305	-.004697	-.000121
Stddev	.004822	.001394	.0001918	.0125078	.000272	.000206
%RSD	22.90069	79.67083	6.319980	91.76329	5.794028	170.4638

#1	-.015823	-.000470	.0031292	.0021301	-.004877	.000079
#2	-.022031	-.001543	.0028140	.0118143	-.004384	-.000109
#3	-.025319	-.003234	.0031609	.0269470	-.004829	-.000333

Sample Name: PB166737BL Acquired: 2/18/2025 13:15:45 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0001373	-.000202	.0239913	.0063642	F .0147177	-.003626
Stddev	.0013881	.000434	.0012170	.0014602	.0006270	.001143
%RSD	1010.974	214.4699	5.072884	22.94446	4.260424	31.52655
#1	.0017237	-.000551	.0239470	.0047504	.0147156	-.004902
#2	-.000854	-.000341	.0252299	.0067482	.0153458	-.002697
#3	-.000457	.000284	.0227970	.0075941	.0140917	-.003277

Elem	Sr4077
Units	ppm
Avg	-.000009
Stddev	.000046
%RSD	492.2957
#1	-.000016
#2	-.000052
#3	.000040

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2697.357	57560.65	11078.90	1750.672	4286.984
Stddev	6.606	111.41	46.35	7.368	5.157
%RSD	.2449127	.1935490	.4183948	.4208455	.1202938
#1	2704.736	57531.11	11032.93	1750.010	4292.651
#2	2691.992	57683.85	11125.62	1758.348	4282.568
#3	2695.344	57466.99	11078.15	1743.658	4285.734

Sample Name: PB166737BS Acquired: 2/18/2025 13:20:06 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.8280502	2.038494	.9808421	1.998031	.8244816	1.924603
Stddev	.0024934	.027741	.0020688	.003030	.0031434	.001809
%RSD	.3011126	1.360846	.2109181	.1516270	.3812638	.0939984

#1	.8262630	2.015037	.9799361	2.000239	.8221686	1.923597
#2	.8269890	2.031331	.9793808	1.994577	.8232155	1.923520
#3	.8308986	2.069114	.9832093	1.999278	.8280606	1.926691

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1848421	.1881051	.1928381	1.002511	.4077961	.1955108
Stddev	.0013300	.0004810	.0005258	.003600	.0010536	.0008714
%RSD	.7195511	.2557274	.2726460	.3590787	.2583761	.4457024

#1	.1835905	.1885035	.1923992	.999713	.4086250	.1949435
#2	.1862387	.1875707	.1926943	1.006572	.4081529	.1950747
#3	.1846972	.1882411	.1934208	1.001248	.4066104	.1965142

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3168719	3.057851	.1961187	1.899954	.4972183	.0759100
Stddev	.0012363	.024058	.0010804	.014537	.0016383	.0002335
%RSD	.3901523	.7867563	.5508819	.7651254	.3294903	.3075591

#1	.3161258	3.044205	.1948755	1.889147	.4969175	.0757732
#2	.3161910	3.085629	.1968294	1.916481	.4957512	.0761796
#3	.3182989	3.043718	.1966513	1.894233	.4989861	.0757773

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.018813	.2847282	.2091027	9.863001	.2662158	.4121940
Stddev	.030181	.0006630	.0009758	.073291	.0005173	.0012015
%RSD	.9997693	.2328688	.4666819	.7430897	.1943272	.2914819

#1	3.011297	.2841456	.2102016	9.822816	.2662030	.4116066
#2	3.052042	.2845895	.2083376	9.947594	.2667395	.4113992
#3	2.993100	.2854497	.2087689	9.818591	.2657051	.4135762

Sample Name: PB166737BS Acquired: 2/18/2025 13:20:06 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.6771655	.1891945	.8248670	5.475346	F .0008011	.1912279
Stddev	.0022761	.0019162	.0073341	.025361	.0025506	.0018037
%RSD	.3361166	1.012829	.8891265	.4631784	318.3742	.9432153
#1	.6768440	.1875424	.8255154	5.458444	.0036379	.1891582
#2	.6750672	.1912953	.8318553	5.463088	-.001303	.1924643
#3	.6795852	.1887459	.8172301	5.504507	.000068	.1920612

Elem	Sr4077
Units	ppm
Avg	.1888710
Stddev	.0011512
%RSD	.6094957
#1	.1878383
#2	.1901122
#3	.1886624

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2657.986	56910.17	10614.58	1740.421	4163.406
Stddev	3.485	204.71	17.69	10.334	6.952
%RSD	.1311007	.3597061	.1666881	.5937826	.1669815
#1	2658.226	56764.55	10599.41	1746.905	4162.991
#2	2661.345	56821.73	10634.02	1728.503	4170.557
#3	2654.388	57144.24	10610.33	1745.854	4156.671

Sample Name: Q1366-01 Acquired: 2/18/2025 13:24:06 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0753666	-.067829	.1337092	-.078324	-.007397	209.8542
Stddev	.0003498	.006428	.0030105	.002537	.001753	2.2565
%RSD	.4641052	9.476919	2.251542	3.239092	23.69686	1.075278

#1	.0755728	-.063477	.1355396	-.081225	-.005395	210.4384
#2	.0749627	-.064798	.1353534	-.076517	-.008141	211.7611
#3	.0755642	-.075212	.1302346	-.077232	-.008655	207.3630

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6666343	.0125883	.0398184	42.50533	.2239728	.2841501
Stddev	.0029823	.0000469	.0003903	.17652	.0007606	.0009644
%RSD	.4473724	.3723399	.9802568	.4152972	.3395959	.3393942

#1	.6663379	.0125375	.0394077	42.30675	.2244261	.2830724
#2	.6638112	.0126298	.0401845	42.56480	.2230947	.2844462
#3	.6697537	.0125978	.0398630	42.64443	.2243976	.2849317

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4218973	393.1809	4.198096	34.45485	.2514973	-.006525
Stddev	.0031664	1.5919	.013442	.22977	.0019138	.000252
%RSD	.7505225	.4048784	.3201904	.6668593	.7609535	3.859669

#1	.4183870	394.7035	4.184066	34.18971	.2499405	-.006728
#2	.4245384	391.5277	4.199360	34.57936	.2509173	-.006243
#3	.4227664	393.3115	4.210860	34.59549	.2536339	-.006603

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.998691	.6090545	.3803567	11.60130	1.287181	.0040234
Stddev	.029671	.0018386	.0018898	.05360	.002019	.0000893
%RSD	.5935733	.3018732	.4968418	.4620531	.1568298	2.219577

#1	5.006065	.6107201	.3825335	11.57879	1.289167	.0039997
#2	4.966028	.6070817	.3794004	11.56262	1.285131	.0041222
#3	5.023979	.6093617	.3791363	11.66249	1.287243	.0039485

Sample Name: Q1366-01 Acquired: 2/18/2025 13:24:06 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.011673	F 10.23264	5.571153	9.605990	2.924591	.0945850
Stddev	.001272	.02739	.018737	.039839	.007812	.0011481
%RSD	10.89431	.2676438	.3363156	.4147357	.2671250	1.213806
#1	-.013003	10.21714	5.563046	9.560963	2.920412	.0943663
#2	-.010469	10.21651	5.557835	9.636666	2.919756	.0935619
#3	-.011547	10.26426	5.592578	9.620340	2.933604	.0958266

Elem	Sr4077
Units	ppm
Avg	-.254826
Stddev	.001338
%RSD	.5251012
#1	-.256323
#2	-.253747
#3	-.254408

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4204.802	88003.78	17954.37	2737.934	3555.317
Stddev	6.722	121.16	84.53	16.965	3.497
%RSD	.1598593	.1376815	.4707890	.6196120	.0983533
#1	4198.219	88070.40	18002.10	2735.915	3555.105
#2	4204.532	87863.93	17856.78	2722.070	3551.930
#3	4211.654	88077.02	18004.24	2755.818	3558.914

Sample Name: Q1366-01DUP Acquired: 2/18/2025 13:28:26 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0757681	-.069191	.1352962	-.077726	-.007347	209.1470
Stddev	.0028679	.004493	.0027918	.001043	.001635	2.0563
%RSD	3.785113	6.493477	2.063442	1.341431	22.26015	.9831668

#1	.0783432	-.074267	.1347216	-.076552	-.008956	211.0233
#2	.0726773	-.067582	.1383306	-.078544	-.005687	206.9488
#3	.0762837	-.065725	.1328365	-.078083	-.007398	209.4687

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6605863	.0128054	.0414937	42.40377	.2261297	.2856994
Stddev	.0016718	.0000337	.0008228	.01871	.0003451	.0011679
%RSD	.2530707	.2630986	1.982985	.0441225	.1525971	.4087756

#1	.6612002	.0127773	.0409708	42.41755	.2263808	.2845710
#2	.6618643	.0128428	.0410682	42.41130	.2257362	.2869031
#3	.6586944	.0127962	.0424422	42.38247	.2262720	.2856239

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4291976	390.0752	4.185583	34.35915	.2526959	-.008198
Stddev	.0042620	3.4046	.004276	.04607	.0010031	.000394
%RSD	.9930148	.8728031	.1021520	.1340978	.3969740	4.807343

#1	.4259616	392.2155	4.189174	34.31677	.2521756	-.008049
#2	.4276046	391.8609	4.186722	34.40819	.2538523	-.007901
#3	.4340266	386.1493	4.180853	34.35249	.2520598	-.008645

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.925230	.6064221	.3820729	11.44687	1.295551	.0041306
Stddev	.003436	.0012991	.0011841	.02535	.003757	.0002577
%RSD	.0697693	.2142300	.3099108	.2214216	.2899930	6.238938

#1	4.921303	.6053316	.3829185	11.46791	1.298442	.0042413
#2	4.927687	.6060752	.3825806	11.41873	1.296907	.0043146
#3	4.926699	.6078594	.3807196	11.45397	1.291304	.0038361

Sample Name: Q1366-01DUP Acquired: 2/18/2025 13:28:26 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.011314	F 10.18007	5.499057	9.717171	2.958932	.0940586
Stddev	.000379	.00730	.005101	.044784	.015884	.0005153
%RSD	3.346861	.0717029	.0927552	.4608711	.5368108	.5478255
#1	-.011491	10.18505	5.493168	9.712014	2.947889	.0935727
#2	-.011571	10.18346	5.501898	9.764310	2.977136	.0945989
#3	-.010879	10.17169	5.502104	9.675190	2.951772	.0940043

Elem	Sr4077
Units	ppm
Avg	-.252729
Stddev	.003104
%RSD	1.228118
#1	-.254826
#2	-.254197
#3	-.249163

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4171.769	87620.12	17769.46	2716.131	3529.562
Stddev	9.949	126.69	44.45	8.262	11.754
%RSD	.2384826	.1445863	.2501612	.3041738	.3330217
#1	4183.191	87506.27	17724.28	2707.694	3541.116
#2	4164.994	87756.60	17813.15	2716.494	3517.617
#3	4167.122	87597.50	17770.93	2724.205	3529.951

Sample Name: CCV02 Acquired: 2/18/2025 13:32:46 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	5.030001	5.045730	4.951178	5.044030	5.060132	9.688902	9.437835
Stddev	.018455	.075619	.008314	.020989	.013432	.028879	.157860
%RSD	.3668996	1.498680	.1679270	.4161165	.2654508	.2980649	1.672633

#1	5.018767	4.972436	4.958753	5.025871	5.052527	9.665390	9.615904
#2	5.019937	5.041274	4.942283	5.039209	5.052229	9.721137	9.382540
#3	5.051301	5.123478	4.952498	5.067010	5.075642	9.680179	9.315060

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2441899	2.473085	23.73294	1.003730	2.475826	1.268832	4.876798
Stddev	.0016523	.005418	.02784	.002945	.005069	.002994	.024379
%RSD	.6766352	.2190745	.1172969	.2934108	.2047494	.2359386	.4999076

#1	.2460041	2.474684	23.76236	1.006757	2.478540	1.268717	4.868820
#2	.2427712	2.467047	23.72942	1.003558	2.469977	1.265897	4.904167
#3	.2437945	2.477523	23.70702	1.000874	2.478959	1.271881	4.857407

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.359831	23.44820	2.484032	1.250785	24.53353	2.403043	2.508779
Stddev	.002264	.09122	.003166	.004104	.16534	.007823	.007203
%RSD	.0959457	.3890434	.1274428	.3281276	.6739367	.3255301	.2871133

#1	2.360076	23.55192	2.485931	1.255425	24.38565	2.398395	2.513211
#2	2.361963	23.41224	2.480378	1.249302	24.71205	2.398659	2.512657
#3	2.357455	23.38044	2.485788	1.247629	24.50288	2.412074	2.500467

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.21399	4.878224	5.047125	4.959294	4.783234	4.858321	4.933985
Stddev	.22327	.032033	.012241	.018057	.008436	.032305	.013367
%RSD	.9220750	.6566460	.2425389	.3641113	.1763669	.6649422	.2709103

#1	23.98462	4.910768	5.038941	4.955658	4.778908	4.828500	4.929091
#2	24.43061	4.846729	5.041236	4.943331	4.792956	4.892639	4.923756
#3	24.22674	4.877177	5.061197	4.978892	4.777839	4.853825	4.949109

Sample Name: CCV02 Acquired: 2/18/2025 13:32:46 Type: Unk
 Method: NON EPA-6010-200.7(v2521) 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	4.930171	4.724332	4.806734
Stddev	.026321	.019507	.025103
%RSD	.5338704	.4129032	.5222555
#1	4.910671	4.702235	4.828959
#2	4.919731	4.739166	4.811738
#3	4.960110	4.731593	4.779506

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2575.468	54267.19	9866.702	1656.726	3818.753
Stddev	3.731	213.89	71.761	7.223	6.021
%RSD	.1448576	.3941386	.7273084	.4359584	.1576780
#1	2575.277	54065.10	9785.033	1649.750	3816.505
#2	2571.836	54245.28	9919.673	1656.256	3814.179
#3	2579.290	54491.19	9895.400	1664.172	3825.575

Sample Name: CCB02 Acquired: 2/18/2025 13:36:57 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0007889	-.003823	.0004445	.0000609	.0012510	-.002893	-.002250
Stddev	.0045167	.001567	.0006421	.0006022	.0009095	.000968	.000159
%RSD	572.5024	40.99347	144.4706	988.5685	72.69751	33.45905	7.071068

#1	.0026344	-.005160	.0011853	.0006353	.0021253	-.001831	-.002433
#2	.0040907	-.004211	.0001001	.0001131	.0003100	-.003727	-.002148
#3	-.004358	-.002098	.0000480	-.000566	.0013177	-.003121	-.002168

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000712	.0000452	-.014328	.0001132	-.000057	.0007083	.0089557
Stddev	.0000298	.0000423	.004518	.0000867	.000201	.0003919	.0015890
%RSD	41.83953	93.58823	31.53258	76.63374	354.0980	55.33206	17.74268

#1	.0000815	.0000656	-.019126	.0000184	-.000068	.0008078	.0107905
#2	.0000945	.0000735	-.010154	.0001324	.000150	.0002762	.0080283
#3	.0000376	-.000003	-.013706	.0001886	-.000252	.0010409	.0080484

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001079	.0155447	.0000351	.0000728	.0258035	-.000901	-.001091
Stddev	.0003551	.0059365	.0001971	.0003791	.0115335	.001782	.000159
%RSD	328.9987	38.18978	561.6038	521.0047	44.69747	197.7071	14.61088

#1	.0004048	.0175733	-.000189	.0004330	.0169084	-.000142	-.000910
#2	-.000286	.0202008	.000115	-.000323	.0216673	-.002938	-.001213
#3	.000205	.0088598	.000179	.000108	.0388347	.000375	-.001149

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1070517	.0054838	-.000314	-.000671	.0002981	.0028416	-.000230
Stddev	.0147141	.0007309	.000354	.000328	.0003753	.0066539	.001502
%RSD	13.74489	13.32880	112.7526	48.95684	125.8733	234.1562	652.9483

#1	.0989114	.0046916	-.000423	-.000586	-.000053	.0103676	.001047
#2	.1240372	.0056277	-.000602	-.000393	.000253	.0004183	-.001886
#3	.0982063	.0061320	.000082	-.001033	.000694	-.002261	.000149

Sample Name: CCB02 Acquired: 2/18/2025 13:36:57 Type: Unk
 Method: NON EPA-6010-200.7(v2521) 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	.0019261	-.000885	-.000001
Stddev	.0024395	.000859	.000046
%RSD	126.6559	97.02890	4681.715
#1	.0045376	-.001597	.000044
#2	.0015350	.000069	.000001
#3	-.000294	-.001128	-.000048

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2638.610	55473.66	10598.38	1707.115	4163.740
Stddev	5.690	73.18	32.49	1.124	10.182
%RSD	.2156422	.1319117	.3066001	.0658471	.2445288
#1	2641.139	55534.10	10563.21	1707.702	4168.403
#2	2642.596	55392.30	10627.29	1705.819	4170.756
#3	2632.094	55494.58	10604.63	1707.824	4152.063

Sample Name: Q1366-01LX5 Acquired: 2/18/2025 13:41:18 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0210915	-.009956	.0314695	-.021270	-.003664	64.02969	.1962607
Stddev	.0028680	.003226	.0023258	.002291	.000890	.04154	.0005787
%RSD	13.59781	32.40631	7.390505	10.77326	24.29917	.0648780	.2948748

#1	.0193337	-.013471	.0294026	-.018947	-.002687	64.04228	.1969233
#2	.0195399	-.009270	.0310180	-.023529	-.004429	63.98331	.1958539
#3	.0244011	-.007128	.0339879	-.021335	-.003877	64.06347	.1960050

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040558	-.000343	13.33236	.0712905	.0575993	.1421466	123.0339
Stddev	.0000988	.000065	.02612	.0001923	.0002651	.0003489	.1853
%RSD	2.436977	19.07952	.1958826	.2697153	.4602970	.2454168	.1505883

#1	.0041020	-.000419	13.35788	.0714467	.0575132	.1419348	122.9140
#2	.0041232	-.000302	13.33351	.0713491	.0578968	.1425492	122.9405
#3	.0039423	-.000309	13.30569	.0710757	.0573879	.1419557	123.2473

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.294785	10.76098	.0536575	-.001323	1.484492	.1882121	.1162190
Stddev	.003476	.00554	.0003210	.000311	.006468	.0009836	.0006223
%RSD	.2684382	.0515117	.5981480	23.49338	.4356824	.5225873	.5354889

#1	1.298587	10.76162	.0534959	-.001337	1.478921	.1893394	.1159708
#2	1.291770	10.76618	.0540272	-.001626	1.491585	.1875291	.1169272
#3	1.293997	10.75515	.0534495	-.001005	1.482970	.1877678	.1157591

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.380428	.4262547	.0008247	-.003128	3.130208	1.757366	1.955982
Stddev	.021332	.0021316	.0004225	.000047	.005179	.005143	.003156
%RSD	.6310298	.5000835	51.23151	1.503155	.1654674	.2926706	.1613361

#1	3.362365	.4286565	.0004489	-.003087	3.136186	1.756513	1.952365
#2	3.403962	.4255202	.0007432	-.003119	3.127087	1.752702	1.958170
#3	3.374958	.4245875	.0012821	-.003179	3.127349	1.762882	1.957412

Sample Name: Q1366-01LX5 Acquired: 2/18/2025 13:41:18 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.5875714	.0272304	-.081336
Stddev	.0026390	.0004876	.000394
%RSD	.4491331	1.790711	.4844321
#1	.5848885	.0277784	-.081041
#2	.5876614	.0268444	-.081183
#3	.5901642	.0270682	-.081783

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2977.682	61937.31	12258.60	1923.849	3905.520
Stddev	2.629	101.94	34.02	2.279	1.344
%RSD	.0882879	.1645932	.2775033	.1184468	.0344241
#1	2977.606	62002.32	12221.50	1925.987	3905.651
#2	2975.092	61989.78	12288.33	1924.108	3904.115
#3	2980.348	61819.81	12265.98	1921.452	3906.794

Sample Name: Q1366-01MS Acquired: 2/18/2025 13:45:28 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.5458760	1.761414	1.061236	1.024942	.4541936	216.2640
Stddev	.0046143	.010371	.001343	.000871	.0002367	.4167
%RSD	.8452984	.5887703	.1265274	.0850286	.0521221	.1926584

#1	.5507282	1.754184	1.059694	1.024040	.4544323	216.6316
#2	.5453560	1.773296	1.061871	1.025780	.4541897	215.8114
#3	.5415437	1.756762	1.062145	1.025007	.4539589	216.3490

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7840690	.1167527	.2282123	43.44553	.4520282	.4752779
Stddev	.0015368	.0009579	.0007270	.21994	.0010322	.0011204
%RSD	.1960043	.8204802	.3185755	.5062459	.2283441	.2357450

#1	.7834324	.1175720	.2287481	43.66828	.4529932	.4765651
#2	.7829528	.1156995	.2273847	43.22851	.4521517	.4745216
#3	.7858218	.1169867	.2285040	43.43980	.4509399	.4747470

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5931345	391.7866	4.315434	35.82353	.7284403	.0378626
Stddev	.0038378	2.3635	.014132	.24635	.0009173	.0004542
%RSD	.6470368	.6032599	.3274788	.6876665	.1259257	1.199576

#1	.5921237	392.5066	4.320368	36.07157	.7290052	.0380913
#2	.5899033	393.7064	4.299496	35.57891	.7289337	.0381570
#3	.5973765	389.1469	4.326437	35.82011	.7273819	.0373395

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.925313	.7767466	.4921907	17.97485	1.435164	.2368694
Stddev	.040124	.0029221	.0014973	.14657	.007866	.0009418
%RSD	.5793795	.3761972	.3042140	.8153916	.5480793	.3976140

#1	6.897121	.7794682	.4937626	17.83386	1.443309	.2374575
#2	6.971250	.7736586	.4907813	18.12642	1.427611	.2373674
#3	6.907569	.7771132	.4920281	17.96426	1.434573	.2357831

Sample Name: Q1366-01MS Acquired: 2/18/2025 13:45:28 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.6498897	F 10.43920	6.528261	F 15.34801	2.943370	.2141235
Stddev	.0013008	.02471	.041082	.01743	.007074	.0008332
%RSD	.2001594	.2366758	.6293023	.1135820	.2403330	.3891263
#1	.6513916	10.46137	6.523598	15.32822	2.936334	.2133882
#2	.6491210	10.41257	6.571475	15.36111	2.943295	.2139538
#3	.6491564	10.44365	6.489708	15.35469	2.950481	.2150285

Elem	Sr4077
Units	ppm
Avg	-.139680
Stddev	.002772
%RSD	1.984651
#1	-.140513
#2	-.141940
#3	-.136586

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4117.608	86983.25	17521.31	2693.198	3495.536
Stddev	8.555	206.25	135.42	7.798	9.095
%RSD	.2077676	.2371126	.7729009	.2895443	.2601755
#1	4111.456	86768.65	17403.39	2684.286	3488.911
#2	4113.990	87001.12	17669.21	2696.538	3491.792
#3	4127.377	87179.99	17491.32	2698.769	3505.905

Sample Name: Q1366-01MSD Acquired: 2/18/2025 13:49:43 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.5254536	1.669927	1.018769	.9827330	.4341961	217.4769
Stddev	.0027771	.011263	.003528	.0083591	.0032940	2.5537
%RSD	.5285229	.6744848	.3463091	.8506012	.7586401	1.174229

#1	.5275414	1.679361	1.021297	.9825119	.4377786	218.1673
#2	.5223018	1.657457	1.020273	.9744865	.4312983	214.6490
#3	.5265176	1.672964	1.014739	.9912004	.4335113	219.6143

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7857318	.1159116	.2192975	43.56267	.4439942	.4599667
Stddev	.0021862	.0002648	.0007081	.13857	.0008481	.0011308
%RSD	.2782390	.2284549	.3229022	.3181039	.1910120	.2458532

#1	.7881803	.1159373	.2201151	43.65943	.4449730	.4612554
#2	.7839753	.1156350	.2188954	43.40393	.4435304	.4595043
#3	.7850398	.1161627	.2188819	43.62467	.4434792	.4591403

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5770581	387.4621	4.315221	35.68090	.7052204	.0375033
Stddev	.0017007	3.0012	.017797	.08436	.0021277	.0007794
%RSD	.2947126	.7745842	.4124209	.2364395	.3017062	2.078313

#1	.5787742	389.2265	4.328756	35.68473	.7076643	.0379114
#2	.5770268	383.9968	4.295062	35.59469	.7042162	.0366045
#3	.5753733	389.1630	4.321845	35.76329	.7037806	.0379939

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.877809	.7735239	.4868186	17.89146	1.451673	.2292741
Stddev	.026565	.0014914	.0017782	.04179	.008435	.0004352
%RSD	.3862367	.1928038	.3652614	.2335849	.5810503	.1898084

#1	6.869719	.7732194	.4862624	17.91782	1.453562	.2297224
#2	6.907477	.7722082	.4888084	17.91327	1.442454	.2288533
#3	6.856229	.7751440	.4853851	17.84327	1.459003	.2292466

Sample Name: Q1366-01MSD Acquired: 2/18/2025 13:49:43 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.6152351	F 10.86012	F 12.75472	F 14.70040	2.825614	.2148607
Stddev	.0017481	.02460	.11536	.08494	.022246	.0007982
%RSD	.2841390	.2265348	.9044140	.5778389	.7873020	.3714860
#1	.6167806	10.88252	12.62152	14.79795	2.849531	.2157439
#2	.6133379	10.83379	12.82092	14.64277	2.805540	.2146470
#3	.6155867	10.86403	12.82173	14.66047	2.821771	.2141910

Elem	Sr4077
Units	ppm
Avg	-.135726
Stddev	.002649
%RSD	1.951810
#1	-.136838
#2	-.132702
#3	-.137638

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4227.201	88652.60	17619.89	2767.038	3628.393
Stddev	8.546	197.93	68.02	4.966	12.153
%RSD	.2021781	.2232703	.3860202	.1794864	.3349335
#1	4217.658	88427.14	17569.11	2765.395	3614.476
#2	4234.150	88732.85	17697.17	2763.101	3633.794
#3	4229.795	88797.80	17593.40	2772.617	3636.909

Sample Name: Q1366-01A Acquired: 2/18/2025 13:53:57 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.5349131	1.689339	1.022645	1.003640	.4468813	213.4408
Stddev	.0005458	.006994	.004703	.001974	.0039008	1.4876
%RSD	.1020289	.4140026	.4598739	.1966861	.8728983	.6969735

#1	.5352551	1.694853	1.018556	1.005897	.4512587	213.4369
#2	.5352006	1.681472	1.027784	1.002235	.4456120	211.9551
#3	.5342837	1.691691	1.021594	1.002788	.4437733	214.9304

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7710098	.1127988	.2216436	42.93900	.4429820	.4627352
Stddev	.0029021	.0009507	.0010143	.13942	.0003906	.0016931
%RSD	.3764002	.8427890	.4576383	.3246989	.0881791	.3658863

#1	.7707182	.1138965	.2205475	43.06330	.4431658	.4608130
#2	.7682645	.1122429	.2225491	42.78825	.4425334	.4640052
#3	.7740466	.1122570	.2218342	42.96545	.4432468	.4633873

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5822825	384.0452	4.229672	35.42856	.7086311	.0371340
Stddev	.0026601	1.5246	.011525	.12686	.0022406	.0005485
%RSD	.4568478	.3969911	.2724863	.3580674	.3161892	1.477133

#1	.5792938	385.7780	4.234229	35.57116	.7060497	.0377644
#2	.5843908	382.9096	4.216564	35.32824	.7100724	.0368720
#3	.5831630	383.4479	4.238221	35.38630	.7097711	.0367656

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.893065	.7639661	.4847667	17.79820	1.408128	.2320439
Stddev	.051499	.0008509	.0020227	.19785	.011076	.0005096
%RSD	.7471134	.1113774	.4172503	1.111653	.7865960	.2196266

#1	6.840082	.7643597	.4868625	17.60623	1.420916	.2316573
#2	6.896175	.7629897	.4828260	17.78693	1.401930	.2318531
#3	6.942939	.7645489	.4846117	18.00145	1.401538	.2326214

Sample Name: Q1366-01A Acquired: 2/18/2025 13:53:57 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.6244173	F 10.52141	F 10.11720	F 14.74248	2.859459	.2109196
Stddev	.0011751	.01824	.07422	.01265	.008598	.0012904
%RSD	.1881831	.1734029	.7335806	.0858179	.3006871	.6117845

#1	.6231367	10.52912	10.05521	14.75674	2.852162	.2107731
#2	.6246693	10.50058	10.09694	14.73813	2.857277	.2097087
#3	.6254459	10.53453	10.19944	14.73258	2.868937	.2122769

Elem	Sr4077
Units	ppm
Avg	-.135983
Stddev	.001773
%RSD	1.303738

#1	-.137878
#2	-.135705
#3	-.134365

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4165.343	88590.07	17887.15	2712.686	3580.003
Stddev	7.637	188.15	136.72	1.522	4.683
%RSD	.1833575	.2123848	.7643492	.0561231	.1308110

#1	4161.530	88721.77	17729.28	2712.832	3581.400
#2	4160.362	88673.85	17965.73	2714.130	3574.780
#3	4174.136	88374.58	17966.45	2711.096	3583.828

Sample Name: PB166731BL Acquired: 2/18/2025 13:58:11 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0018318	-.004720	.0000159	-.000682	-.002404	-.000083	-.001309
Stddev	.0007763	.000747	.0002281	.001655	.000308	.003569	.000836
%RSD	42.38005	15.82378	1436.990	242.4916	12.79415	4321.231	63.88788
#1	.0025350	-.004880	-.000247	.001198	-.002202	-.001833	-.001956
#2	.0019615	-.005374	.000137	-.001329	-.002252	.004024	-.000365
#3	.0009988	-.003906	.000158	-.001917	-.002758	-.002438	-.001605
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000553	.0000265	-.020844	.0000757	.0000796	-.000169	.0074430
Stddev	.0000305	.0000486	.008643	.0003477	.0002183	.000177	.0020881
%RSD	55.09355	183.4358	41.46597	458.9497	274.1971	105.1032	28.05396
#1	.0000604	-.000021	-.030550	-.000324	.0001094	-.000348	.0082460
#2	.0000830	.000024	-.018000	.000305	-.000152	.000007	.0050726
#3	.0000227	.000077	-.013980	.000246	.000282	-.000166	.0090104
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000015	.0037887	.0000502	-.000052	-.002071	-.000913	-.000734
Stddev	.000129	.0049619	.0002840	.000260	.012974	.000291	.000437
%RSD	844.4219	130.9668	566.0979	495.9448	626.3101	31.83806	59.47788
#1	.000111	.0013602	-.000278	.000219	-.017052	-.001249	-.000357
#2	-.000146	.0005088	.000221	-.000298	.005530	-.000736	-.000633
#3	-.000011	.0094970	.000207	-.000077	.005308	-.000755	-.001213
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0795363	.0016742	-.000329	-.000919	-.000039	.0010063	.0023138
Stddev	.0216213	.0001223	.000143	.000390	.000333	.0071377	.0008221
%RSD	27.18422	7.304739	43.43383	42.39293	844.6337	709.2863	35.53085
#1	.0994483	.0017328	-.000182	-.000684	.000344	.0022570	.0013690
#2	.0826232	.0015337	-.000466	-.000705	-.000207	.0074360	.0027056
#3	.0565375	.0017562	-.000338	-.001369	-.000255	-.006674	.0028667

Sample Name: PB166731BL Acquired: 2/18/2025 13:58:11 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0020377	-.002186	-.000062
Stddev	.0019708	.000874	.000027
%RSD	96.71454	39.96795	43.71966

#1	.0018043	-.003192	-.000093
#2	.0041148	-.001619	-.000045
#3	.0001941	-.001746	-.000047

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2726.759	55980.34	10695.82	1725.851	4359.841
Stddev	13.404	257.35	39.94	6.425	12.162
%RSD	.4915854	.4597112	.3733868	.3722760	.2789571

#1	2731.462	55751.17	10675.48	1721.511	4361.989
#2	2737.178	55931.09	10670.14	1722.811	4370.785
#3	2711.637	56258.75	10741.83	1733.232	4346.748

Sample Name: PB166731BS Acquired: 2/18/2025 14:02:31 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.7986933	1.969244	.9629024	1.956001	.7831657	1.814449
Stddev	.0056587	.011057	.0006954	.009078	.0023929	.012890
%RSD	.7084992	.5614598	.0722226	.4641203	.3055463	.7104130

#1	.7991744	1.969233	.9631928	1.960699	.7829019	1.801402
#2	.7928094	1.958193	.9621088	1.945537	.7809156	1.814768
#3	.8040961	1.980306	.9634056	1.961767	.7856796	1.827177

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1697602	.1872651	.1903368	.9217276	.3957044	.1913125
Stddev	.0005216	.0007713	.0002073	.0037328	.0012269	.0003177
%RSD	.3072710	.4118849	.1088899	.4049844	.3100438	.1660520

#1	.1694510	.1863803	.1903043	.9249524	.3957259	.1910149
#2	.1694671	.1876199	.1901477	.9176384	.3944669	.1916470
#3	.1703624	.1877953	.1905584	.9225921	.3969204	.1912755

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3038067	2.840575	.1814705	1.764673	.4813709	.0733541
Stddev	.0010453	.009250	.0013847	.023901	.0007613	.0003462
%RSD	.3440723	.3256462	.7630510	1.354408	.1581523	.4719631

#1	.3038794	2.838093	.1800018	1.738506	.4806432	.0729546
#2	.3027270	2.832818	.1827523	1.785353	.4821618	.0735674
#3	.3048138	2.850813	.1816572	1.770159	.4813078	.0735402

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.832235	.2707731	.1983028	9.143814	.2778075	.3930506
Stddev	.011225	.0019297	.0000649	.050031	.0012187	.0022349
%RSD	.3963221	.7126548	.0327415	.5471548	.4386831	.5685984

#1	2.841204	.2685494	.1982603	9.186486	.2764216	.3935859
#2	2.819647	.2720080	.1983775	9.088752	.2787119	.3905967
#3	2.835854	.2717618	.1982705	9.156204	.2782890	.3949692

Sample Name: PB166731BS Acquired: 2/18/2025 14:02:31 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.6551160	.1784065	.7563067	5.424531	F -.006178	.1825134
Stddev	.0014196	.0006882	.0027578	.017556	.001936	.0008029
%RSD	.2166967	.3857624	.3646444	.3236444	31.33362	.4398955
#1	.6550924	.1791810	.7588549	5.409627	-.008153	.1822808
#2	.6537083	.1778652	.7566865	5.420083	-.006096	.1834069
#3	.6565472	.1781732	.7533786	5.443884	-.004284	.1818526

Elem	Sr4077
Units	ppm
Avg	.1778329
Stddev	.0002294
%RSD	.1289983
#1	.1779867
#2	.1779428
#3	.1775692

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2702.632	57093.95	10503.67	1759.497	4193.122
Stddev	5.789	121.97	36.45	1.333	3.003
%RSD	.2142097	.2136369	.3470379	.0757526	.0716192
#1	2700.366	57029.58	10545.39	1760.252	4191.368
#2	2709.212	57234.63	10477.98	1757.958	4196.589
#3	2698.319	57017.65	10487.64	1760.281	4191.408

Sample Name: Q1172-03 Acquired: 2/18/2025 14:06:33 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0045751	.0003028	.0005554	-.000422	-.002023	-.038075	.0014737
Stddev	.0019621	.0009066	.0008157	.000615	.001460	.001741	.0005021
%RSD	42.88580	299.3677	146.8605	145.8211	72.15864	4.572890	34.07332

#1	.0042616	.0000665	-.000364	-.001122	-.003542	-.039596	.0019982
#2	.0066751	.0013042	.001194	.000029	-.001898	-.038455	.0014255
#3	.0027887	-.000462	.000836	-.000172	-.000630	-.036176	.0009974

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000907	-.000035	50.90186	-.000492	.0000289	-.000445	.0040273
Stddev	.0000197	.000033	.18657	.000300	.0000114	.000234	.0055602
%RSD	21.75121	96.19568	.3665328	60.90390	39.51860	52.58139	138.0636

#1	.0001054	-.000063	50.73713	-.000765	.0000383	-.000328	.0097547
#2	.0000984	-.000044	51.10446	-.000539	.0000321	-.000292	-.001349
#3	.0000683	.000002	50.86399	-.000171	.0000162	-.000714	.003676

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000971	5.703343	-.000127	.0000150	24.11593	-.001293	-.001226
Stddev	.0002285	.076309	.000106	.0002269	.19039	.000912	.000334
%RSD	235.3097	1.337967	83.44202	1514.870	.7894580	70.57235	27.22842

#1	.0003472	5.677795	-.000248	.0001368	24.05170	-.002014	-.000933
#2	.0000452	5.789148	-.000079	-.000247	23.96596	-.001596	-.001589
#3	-.000101	5.643086	-.000053	.000155	24.33012	-.000267	-.001156

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	32.81276	-.004295	.0032541	-.002907	-.001021	-.012128	.0001933
Stddev	.16046	.000133	.0004678	.001088	.000763	.002195	.0008025
%RSD	.4890097	3.085158	14.37522	37.43201	74.78042	18.09958	415.2483

#1	32.75889	-.004153	.0036786	-.002609	-.001781	-.014534	-.000408
#2	32.68617	-.004316	.0033311	-.001999	-.001028	-.010234	.001105
#3	32.99322	-.004416	.0027526	-.004113	-.000254	-.011615	-.000117

Sample Name: Q1172-03 Acquired: 2/18/2025 14:06:33 Type: Unk
 Method: NON EPA-6010-200.7(v2521) 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	.0203185	-.012011	.0045878
Stddev	.0021202	.000478	.0000283
%RSD	10.43501	3.981415	.6171066
#1	.0218050	-.012167	.0046037
#2	.0178906	-.012392	.0046046
#3	.0212599	-.011474	.0045551

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2692.703	56451.72	11059.65	1769.292	4091.033
Stddev	4.826	196.28	57.43	5.142	13.136
%RSD	.1792077	.3477017	.5192837	.2906255	.3211031
#1	2697.114	56606.48	11076.77	1769.377	4105.872
#2	2693.446	56517.75	10995.61	1774.392	4086.334
#3	2687.549	56230.94	11106.57	1764.109	4080.891

Sample Name: Q1172-06 Acquired: 2/18/2025 14:10:52 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0034315	-.000441	.0011092	-.001707	-.002626	-.000509	.0016713
Stddev	.0011207	.002009	.0004971	.000812	.000161	.006479	.0007351
%RSD	32.65923	455.5588	44.81508	47.55099	6.122643	1273.301	43.98150
#1	.0046674	-.002328	.0007353	-.001182	-.002596	-.002558	.0011098
#2	.0024812	.001671	.0009191	-.001298	-.002482	.006747	.0014008
#3	.0031461	-.000666	.0016733	-.002643	-.002800	-.005716	.0025033
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001351	.0000350	-.026376	-.000299	.0001158	-.000502	-.002994
Stddev	.0000460	.0000201	.006353	.000226	.0001113	.000185	.001279
%RSD	34.04789	57.57803	24.08781	75.44516	96.09416	36.82244	42.71237
#1	.0001880	.0000543	-.019649	-.000087	.0000450	-.000378	-.004465
#2	.0001041	.0000141	-.027205	-.000275	.0000584	-.000714	-.002159
#3	.0001133	.0000366	-.032275	-.000536	.0002441	-.000413	-.002356
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000197	.0065321	-.000377	-.000139	9.522489	-.001916	-.001593
Stddev	.000261	.0081532	.000068	.000165	.161501	.000776	.000233
%RSD	132.4682	124.8180	18.04008	118.6272	1.695992	40.51454	14.64946
#1	-.000402	-.001505	-.000399	-.000156	9.619390	-.001213	-.001451
#2	-.000286	.006305	-.000301	-.000295	9.612024	-.001786	-.001467
#3	.000097	.014796	-.000431	.000033	9.336052	-.002749	-.001863
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.028250	-.004477	-.000132	-.002033	.0002807	5.113814	.0024550
Stddev	.009410	.000835	.000372	.000222	.0004609	.030188	.0015895
%RSD	33.30916	18.65299	281.0392	10.92765	164.2250	.5903268	64.74581
#1	-.038778	-.003584	-.000559	-.002246	-.000238	5.109620	.0008743
#2	-.020658	-.005238	.000043	-.002050	.000645	5.145880	.0024376
#3	-.025314	-.004609	.000120	-.001803	.000435	5.085943	.0040532

Sample Name: Q1172-06 Acquired: 2/18/2025 14:10:52 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0265523	-.004443	-.000059
Stddev	.0046461	.001090	.000038
%RSD	17.49812	24.53233	63.99444
#1	.0223902	-.005016	-.000055
#2	.0315649	-.003186	-.000023
#3	.0257017	-.005127	-.000098

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2831.914	58658.72	10974.27	1852.245	4498.828
Stddev	17.062	198.71	109.00	3.872	14.220
%RSD	.6025065	.3387550	.9932303	.2090504	.3160809
#1	2850.230	58438.71	10903.92	1848.342	4513.249
#2	2829.044	58825.14	11099.83	1856.085	4498.418
#3	2816.469	58712.31	10919.06	1852.309	4484.818

Sample Name: Q1372-01 Acquired: 2/18/2025 14:15:12 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0766698	.0021002	.3377661	-.044465	-.001265	89.59207	.3890698
Stddev	.0041155	.0011525	.0012910	.002694	.001680	.07157	.0017915
%RSD	5.367886	54.87814	.3822199	6.058121	132.7814	.0798846	.4604682

#1	.0758820	.0011890	.3363677	-.045300	-.000590	89.59337	.3905056
#2	.0811222	.0017157	.3389124	-.041453	-.003177	89.51985	.3870621
#3	.0730050	.0033958	.3380183	-.046643	-.000028	89.66298	.3896416

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086786	-.001263	42.97143	.2239820	.0676416	.2180544	233.8023
Stddev	.0001519	.000146	.12715	.0008340	.0002265	.0003508	.6492
%RSD	1.749835	11.58357	.2958877	.3723696	.3348736	.1608974	.2776658

#1	.0086668	-.001281	43.02937	.2236434	.0677286	.2183597	234.3640
#2	.0085330	-.001400	42.82564	.2249321	.0678117	.2181324	233.9513
#3	.0088360	-.001109	43.05930	.2233705	.0673844	.2176711	233.0916

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.848154	20.77605	.0945508	-.003009	3.496862	.2984526	.4691196
Stddev	.006509	.02994	.0000445	.000418	.021846	.0013391	.0006937
%RSD	.3521788	.1441227	.0471218	13.90127	.6247261	.4486671	.1478816

#1	1.852463	20.74556	.0945048	-.002813	3.494769	.2973630	.4690279
#2	1.840667	20.77718	.0945937	-.003489	3.519679	.2980473	.4698547
#3	1.851333	20.80541	.0945537	-.002725	3.476139	.2999475	.4684763

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.960008	.1388208	.0058143	.0110383	1.376062	5.729544	4.983430
Stddev	.041018	.0024366	.0003956	.0007715	.003139	.042094	.008877
%RSD	.4577855	1.755178	6.803501	6.988913	.2280962	.7346754	.1781269

#1	8.940605	.1399272	.0056263	.0110268	1.379338	5.699854	4.984520
#2	9.007128	.1405079	.0055477	.0102726	1.373081	5.777717	4.991712
#3	8.932293	.1360274	.0062688	.0118154	1.375766	5.711061	4.974059

Sample Name: Q1372-01 Acquired: 2/18/2025 14:15:12 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	1.806762	.0569459	-.036142
Stddev	.008659	.0013185	.000675
%RSD	.4792282	2.315292	1.867919
#1	1.810571	.0572054	-.036416
#2	1.796852	.0581154	-.036637
#3	1.812862	.0555170	-.035373

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2794.913	58561.00	11504.44	1802.179	3872.485
Stddev	4.456	114.91	50.68	6.246	4.770
%RSD	.1594356	.1962187	.4405166	.3465662	.1231723
#1	2791.097	58576.27	11488.78	1799.890	3868.577
#2	2793.833	58439.22	11561.10	1797.400	3871.077
#3	2799.810	58667.51	11463.44	1809.246	3877.800

Sample Name: Q1374-01 Acquired: 2/18/2025 14:19:18 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0418805	-.004428	.1969564	-.023853	-.001190	46.35646	.1674282
Stddev	.0042175	.002100	.0021377	.003377	.001878	.08524	.0000480
%RSD	10.07024	47.42382	1.085394	14.15622	157.8914	.1838814	.0286436

#1	.0373697	-.004609	.1961839	-.021308	-.003238	46.45407	.1674601
#2	.0457255	-.002244	.1993730	-.022568	.000453	46.31862	.1674515
#3	.0425461	-.006433	.1953122	-.027684	-.000785	46.29669	.1673731

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050869	-.000746	31.16254	.1716049	.0392532	.1313437	124.7797
Stddev	.0001549	.000076	.05156	.0002549	.0000673	.0004993	.3360
%RSD	3.045079	10.13990	.1654535	.1485388	.1713724	.3801350	.2692818

#1	.0049080	-.000723	31.17308	.1718384	.0391911	.1309657	125.1078
#2	.0051742	-.000685	31.20801	.1713330	.0393247	.1319097	124.4363
#3	.0051784	-.000831	31.10652	.1716433	.0392439	.1311557	124.7950

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.121553	22.60982	.0795702	-.001595	2.527933	.1800007	.4393259
Stddev	.000377	.10425	.0001310	.000411	.022440	.0004493	.0018098
%RSD	.0335954	.4610899	.1645917	25.74659	.8876866	.2496111	.4119535

#1	1.121933	22.49077	.0795462	-.001851	2.550482	.1795888	.4376062
#2	1.121180	22.65389	.0797115	-.001812	2.527714	.1799333	.4412140
#3	1.121545	22.68479	.0794529	-.001121	2.505604	.1804798	.4391576

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.675400	.0756831	.0025600	.0075221	1.201066	3.694089	2.621929
Stddev	.028203	.0015240	.0000975	.0009248	.002279	.016054	.011866
%RSD	.2914907	2.013636	3.808661	12.29471	.1897603	.4345854	.4525556

#1	9.704992	.0769854	.0024928	.0064825	1.203597	3.712625	2.634863
#2	9.648829	.0740070	.0026718	.0082534	1.200424	3.685026	2.619379
#3	9.672381	.0760568	.0025153	.0078304	1.199177	3.684616	2.611546

Sample Name: Q1374-01 Acquired: 2/18/2025 14:19:18 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	1.205943	.0601041	-.019151
Stddev	.004297	.0006300	.000422
%RSD	.3562806	1.048239	2.205556
#1	1.201715	.0593845	-.019011
#2	1.205810	.0603713	-.018817
#3	1.210305	.0605565	-.019626

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2738.760	57877.33	11095.88	1773.987	3920.046
Stddev	1.363	189.75	22.54	6.361	4.266
%RSD	.0497677	.3278485	.2031040	.3585943	.1088197
#1	2738.741	57799.51	11112.42	1773.420	3920.714
#2	2737.407	58093.61	11105.01	1780.613	3915.485
#3	2740.133	57738.85	11070.21	1767.928	3923.938

Sample Name: CCV03 Acquired: 2/18/2025 14:23:27 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	5.003793	4.977329	4.907503	5.044895	5.042447	9.761331	9.688064
Stddev	.013720	.046793	.021097	.018671	.007447	.022088	.044033
%RSD	.2742016	.9401215	.4299009	.3701036	.1476937	.2262765	.4545100

#1	5.019409	5.016862	4.930642	5.061872	5.049516	9.749858	9.681517
#2	4.993670	4.925665	4.902535	5.024897	5.034672	9.786794	9.735005
#3	4.998299	4.989459	4.889334	5.047915	5.043152	9.747340	9.647671

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2347932	2.453421	24.13780	.9927762	2.455470	1.256082	4.992106
Stddev	.0017137	.012943	.08445	.0014438	.009840	.004052	.016590
%RSD	.7298698	.5275464	.3498494	.1454299	.4007334	.3226226	.3323304

#1	.2364524	2.467577	24.19777	.9939342	2.466779	1.260444	4.974823
#2	.2348974	2.450493	24.17441	.9932359	2.450769	1.255367	5.007904
#3	.2330297	2.442193	24.04123	.9911585	2.448863	1.252434	4.993590

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.375393	23.66848	2.463013	1.237466	25.74539	2.425897	2.471947
Stddev	.009416	.19144	.009690	.000612	.15664	.003196	.011480
%RSD	.3964069	.8088462	.3934358	.0494259	.6084054	.1317367	.4644144

#1	2.382587	23.77110	2.474036	1.238151	25.59292	2.427544	2.473332
#2	2.378855	23.78672	2.459169	1.237273	25.73737	2.427933	2.459837
#3	2.364735	23.44760	2.455835	1.236975	25.90589	2.422213	2.482671

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.34683	4.690920	5.006776	4.916104	4.831343	5.060605	4.875892
Stddev	.12995	.032551	.013466	.027831	.008696	.044488	.025370
%RSD	.5126879	.6939223	.2689478	.5661148	.1799942	.8791014	.5203203

#1	25.24375	4.725468	5.022309	4.947409	4.835501	5.009235	4.905060
#2	25.30395	4.686469	4.998396	4.906740	4.837180	5.086361	4.858945
#3	25.49281	4.660823	4.999624	4.894162	4.821348	5.086219	4.863672

Sample Name: CCV03 Acquired: 2/18/2025 14:23:27 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	4.902057	4.823623	4.838584
Stddev	.024711	.005756	.029139
%RSD	.5040980	.1193342	.6022271

#1	4.929890	4.823699	4.853779
#2	4.893587	4.829340	4.856986
#3	4.882695	4.817829	4.804988

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2591.928	54842.96	10247.17	1671.061	3848.689
Stddev	5.753	94.88	69.66	10.008	14.152
%RSD	.2219719	.1729999	.6798241	.5989233	.3677146

#1	2585.301	54919.04	10190.90	1671.610	3832.533
#2	2594.842	54736.65	10225.53	1680.784	3854.639
#3	2595.641	54873.17	10325.09	1660.790	3858.895

Sample Name: CCB03 Acquired: 2/18/2025 14:27:39 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.000510	-.004727	.0008863	-.000278	.0004308	.0021488	-.002794
Stddev	.004233	.000730	.0005145	.001195	.0001837	.0024415	.000504
%RSD	829.9457	15.43707	58.05442	430.3039	42.65133	113.6244	18.04592

#1	-.004944	-.004596	.0014439	-.001059	.0005892	-.000665	-.002222
#2	-.000074	-.005514	.0007852	.001098	.0002294	.003713	-.002984
#3	.003488	-.004073	.0004298	-.000872	.0004738	.003398	-.003176

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000304	.0000126	-.015598	.0001898	.0000407	-.000150	.0100320
Stddev	.0000163	.0000186	.009157	.0001436	.0000979	.000368	.0052076
%RSD	53.52271	148.0889	58.70814	75.67856	240.5263	245.7378	51.91012

#1	.0000416	.0000246	-.024314	.0002340	.0001523	.000134	.0068600
#2	.0000378	-.000009	-.016423	.0000292	-.000031	-.000565	.0071938
#3	.0000117	.000022	-.006056	.0003060	.000000	-.000017	.0160422

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001320	.0078211	.0003633	.0000227	.0060626	-.002166	-.000630
Stddev	.0001699	.0116049	.0001021	.0002599	.0034617	.000176	.000306
%RSD	128.7175	148.3796	28.09985	1144.865	57.09882	8.132831	48.49291

#1	-.000060	-.000542	.0004028	-.000257	.0020731	-.002266	-.000710
#2	.000264	.002936	.0004396	.000256	.0082714	-.002269	-.000293
#3	.000192	.021070	.0002473	.000069	.0078435	-.001962	-.000888

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0884232	.0022987	-.000074	-.000123	.0000413	.0082895	.0025604
Stddev	.0202619	.0008383	.000201	.000198	.0002749	.0032321	.0020123
%RSD	22.91472	36.46945	271.6750	161.1505	665.0240	38.99006	78.59196

#1	.0655757	.0032403	-.000050	-.000319	.0000568	.0050652	.0007241
#2	.1042105	.0020227	-.000286	-.000126	-.000241	.0082740	.0022456
#3	.0954835	.0016332	.000114	.000077	.000308	.0115294	.0047115

Sample Name: CCB03 Acquired: 2/18/2025 14:27:39 Type: Unk
 Method: NON EPA-6010-200.7(v2521) 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	.0005193	-.001787	-.000031
Stddev	.0038639	.000561	.000021
%RSD	744.0218	31.38271	68.42207
#1	-.003876	-.001262	-.000009
#2	.003380	-.002378	-.000051
#3	.002054	-.001723	-.000034

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2671.274	56404.38	10920.10	1737.490	4222.679
Stddev	4.491	695.65	55.13	17.544	3.543
%RSD	.1681131	1.233329	.5048508	1.009711	.0839007
#1	2666.898	57204.41	10877.67	1757.493	4221.864
#2	2671.053	55942.00	10900.22	1730.261	4219.615
#3	2675.871	56066.72	10982.41	1724.715	4226.558

Sample Name: Q1374-01DUP Acquired: 2/18/2025 14:32:00 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0422157	-.004629	.1986255	-.022329	-.003304	46.88585	.1746856
Stddev	.0009748	.002021	.0007011	.000935	.001248	.07053	.0007402
%RSD	2.308991	43.65429	.3529598	4.188860	37.75539	.1504322	.4237185

#1	.0413929	-.002498	.1981430	-.021570	-.004143	46.84909	.1751211
#2	.0432922	-.006517	.1983039	-.022042	-.001871	46.96716	.1751047
#3	.0419621	-.004872	.1994297	-.023374	-.003900	46.84129	.1738310

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050397	-.001513	31.71619	.1728852	.0394062	.1303114	129.1876
Stddev	.0000478	.000291	.06027	.0006789	.0000333	.0012500	.5104
%RSD	.9490517	19.21376	.1900442	.3926667	.0844241	.9592350	.3950647

#1	.0050555	-.001738	31.64671	.1726706	.0394172	.1294552	129.2975
#2	.0049860	-.001616	31.75439	.1736455	.0393689	.1297331	129.6341
#3	.0050776	-.001185	31.74749	.1723396	.0394326	.1317458	128.6312

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.149637	22.64741	.0799962	-.001649	2.640036	.1821129	.4436081
Stddev	.001031	.14308	.0004069	.000270	.008682	.0005824	.0007684
%RSD	.0896833	.6317759	.5086423	16.34396	.3288693	.3198220	.1732174

#1	1.149047	22.48230	.0801407	-.001444	2.645307	.1816088	.4433943
#2	1.150827	22.73510	.0795367	-.001549	2.644785	.1827505	.4444608
#3	1.149035	22.72482	.0803111	-.001954	2.630015	.1819795	.4429693

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.07706	.0857187	.0027608	.0069885	1.229346	3.792144	2.629972
Stddev	.08068	.0013044	.0001477	.0004476	.002491	.029808	.003089
%RSD	.8006374	1.521702	5.348172	6.405196	.2026465	.7860502	.1174551

#1	10.10281	.0856898	.0029164	.0070979	1.230445	3.804782	2.631890
#2	10.14173	.0870374	.0027434	.0064963	1.231100	3.813550	2.626409
#3	9.98665	.0844291	.0026226	.0073712	1.226495	3.758099	2.631618

Sample Name: Q1374-01DUP Acquired: 2/18/2025 14:32:00 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	1.201005	.0619644	-.020214
Stddev	.005073	.0002082	.000094
%RSD	.4224155	.3359424	.4646360
#1	1.199775	.0621951	-.020187
#2	1.196660	.0617906	-.020319
#3	1.206580	.0619076	-.020137

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2759.222	57721.81	11213.50	1791.691	3932.886
Stddev	2.829	128.13	68.85	10.855	10.415
%RSD	.1025337	.2219716	.6139854	.6058496	.2648294
#1	2761.108	57853.57	11267.96	1801.096	3942.002
#2	2760.588	57714.19	11236.42	1794.164	3935.121
#3	2755.969	57597.66	11136.11	1779.813	3921.534

Sample Name: Q1374-01LX5 Acquired: 2/18/2025 14:36:07 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0096109	-.002794	.0402809	-.005337	.0004329	9.839524	.0354368
Stddev	.0019945	.000818	.0007909	.002934	.0010800	.016456	.0003930
%RSD	20.75285	29.26099	1.963520	54.96481	249.4901	.1672458	1.109006

#1	.0115220	-.002454	.0393815	-.004189	.0014913	9.820698	.0349844
#2	.0097685	-.003727	.0405931	-.008672	-.000668	9.846707	.0356320
#3	.0075423	-.002202	.0408680	-.003151	.000475	9.851168	.0356940

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011560	-.000613	6.727669	.0360053	.0076775	.0276183	26.83748
Stddev	.0000511	.000061	.005624	.0001048	.0002187	.0005321	.09408
%RSD	4.420575	9.893720	.0835901	.2909771	2.849162	1.926588	.3505612

#1	.0012110	-.000564	6.722948	.0360654	.0075622	.0281123	26.92510
#2	.0011472	-.000681	6.733891	.0358843	.0079298	.0270549	26.84929
#3	.0011099	-.000593	6.726167	.0360662	.0075405	.0276876	26.73805

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2454155	4.805337	.0161779	-.000154	.5290739	.0375595	.0925012
Stddev	.0012433	.022678	.0002634	.000093	.0058221	.0000922	.0002897
%RSD	.5065926	.4719372	1.628395	60.50197	1.100443	.2455297	.3131284

#1	.2467365	4.780263	.0159634	-.000048	.5226981	.0376628	.0921746
#2	.2452417	4.811333	.0160984	-.000223	.5341083	.0374854	.0927272
#3	.2442683	4.824415	.0164719	-.000192	.5304152	.0375304	.0926016

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.114649	.0144115	.0001412	.0005176	.2573554	.7789124	.5241526
Stddev	.001340	.0005774	.0002610	.0011428	.0009026	.0122611	.0038245
%RSD	.0633878	4.006904	184.8752	220.7842	.3507047	1.574128	.7296435

#1	2.113253	.0146140	.0002622	.0011334	.2574271	.7682840	.5260623
#2	2.115926	.0148604	-.000158	-.000801	.2564191	.7761265	.5266462
#3	2.114768	.0137600	.000320	.001220	.2582199	.7923267	.5197494

Sample Name: Q1374-01LX5 Acquired: 2/18/2025 14:36:07 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.2382156	.0112458	-.003679
Stddev	.0019192	.0004331	.000087
%RSD	.8056713	3.851362	2.355779
#1	.2399113	.0114516	-.003659
#2	.2386034	.0107481	-.003603
#3	.2361321	.0115376	-.003773

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2752.900	57364.84	10950.92	1797.941	4194.809
Stddev	8.293	98.61	11.80	5.568	18.934
%RSD	.3012317	.1718971	.1077108	.3096953	.4513706
#1	2743.958	57262.29	10953.36	1797.637	4175.355
#2	2754.403	57458.96	10961.31	1803.655	4195.896
#3	2760.338	57373.25	10938.10	1792.531	4213.177

Sample Name: Q1374-01MS Acquired: 2/18/2025 14:40:23 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.8023772	1.973343	1.530220	1.709735	.3808200	86.75323	.5101527
Stddev	.0032878	.031939	.000961	.012373	.0005322	.27544	.0017548
%RSD	.4097559	1.618510	.0627869	.7236533	.1397524	.3174938	.3439659

#1	.8026170	1.946066	1.530926	1.697605	.3803055	86.93425	.5095095
#2	.7989761	1.965486	1.529126	1.709264	.3807864	86.43625	.5088104
#3	.8055386	2.008477	1.530608	1.722336	.3813683	86.88918	.5121383

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1866395	.2026490	63.49875	.5380840	.2793237	.5130615	155.8089
Stddev	.0023071	.0007609	.39251	.0015748	.0006990	.0009057	.6129
%RSD	1.236128	.3754939	.6181404	.2926664	.2502442	.1765367	.3933601

#1	.1890712	.2025344	63.86778	.5398939	.2788390	.5123697	155.1248
#2	.1844814	.2019519	63.08636	.5370266	.2790070	.5127283	155.9936
#3	.1863660	.2034608	63.54211	.5373315	.2801249	.5140867	156.3081

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.083022	45.31344	.6442242	.0704144	7.526736	.4712383	1.101913
Stddev	.011883	.26386	.0018824	.0003178	.055818	.0022117	.004451
%RSD	.5704458	.5822905	.2921910	.4512876	.7416025	.4693438	.4039565

#1	2.091786	45.56733	.6435331	.0700486	7.462395	.4734882	1.106551
#2	2.069497	45.04063	.6427850	.0706221	7.562207	.4690668	1.101512
#3	2.087782	45.33236	.6463544	.0705724	7.555606	.4711598	1.097675

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.07847	.3112863	.3886952	.6976390	1.735686	7.199695	9.090327
Stddev	.14411	.0005345	.0015747	.0031939	.006957	.021925	.048654
%RSD	.7553797	.1716968	.4051324	.4578166	.4008493	.3045274	.5352229

#1	18.91366	.3117885	.3871530	.6959678	1.738526	7.185315	9.057268
#2	19.14092	.3107246	.3886320	.6956274	1.727758	7.224930	9.067518
#3	19.18083	.3113459	.3903005	.7013218	1.740775	7.188840	9.146194

Sample Name: Q1374-01MS Acquired: 2/18/2025 14:40:23 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	1.879521	.2936779	.2015509
Stddev	.004295	.0017346	.0007884
%RSD	.2285199	.5906622	.3911815
#1	1.875912	.2917108	.2019395
#2	1.878380	.2949882	.2006436
#3	1.884272	.2943346	.2020696

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2782.709	58388.81	11024.49	1789.138	3786.484
Stddev	3.693	144.89	121.53	4.004	6.040
%RSD	.1326979	.2481543	1.102354	.2237700	.1595239
#1	2785.390	58223.65	10890.90	1784.520	3787.325
#2	2784.240	58494.52	11128.50	1791.270	3792.060
#3	2778.497	58448.27	11054.06	1791.625	3780.067

Sample Name: Q1374-01MSD Acquired: 2/18/2025 14:44:22 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.8013357	1.963130	1.511754	1.710836	.3786467	85.88195	.5201654
Stddev	.0016845	.023020	.000768	.008369	.0018543	.20991	.0024206
%RSD	.2102048	1.172619	.0507946	.4891538	.4897236	.2444191	.4653524

#1	.7997491	1.952532	1.512297	1.701752	.3780903	85.69441	.5202857
#2	.8011546	1.947317	1.512091	1.712523	.3771343	85.84274	.5176868
#3	.8031034	1.989540	1.510876	1.718232	.3807156	86.10870	.5225236

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1719784	.1990387	62.92217	.5284520	.2752170	.5005749	160.9311
Stddev	.0007413	.0008034	.11189	.0015688	.0009465	.0023141	.5662
%RSD	.4310392	.4036604	.1778238	.2968731	.3439250	.4622803	.3518358

#1	.1711383	.1985039	62.91100	.5276969	.2741261	.4995141	161.5736
#2	.1725406	.1986495	62.81628	.5302556	.2757037	.4989815	160.7148
#3	.1722564	.1999626	63.03922	.5274035	.2758212	.5032292	160.5049

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.045433	44.45893	.6362357	.0703011	8.020451	.4695091	1.079567
Stddev	.004409	.07713	.0018051	.0001725	.002311	.0016473	.005528
%RSD	.2155726	.1734939	.2837220	.2453372	.0288088	.3508444	.5120435

#1	2.048327	44.37402	.6347897	.0701820	8.020393	.4687630	1.082065
#2	2.040358	44.52467	.6356586	.0702224	8.022790	.4683669	1.083405
#3	2.047614	44.47812	.6382589	.0704988	8.018170	.4713974	1.073231

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.42963	.3060889	.3818796	.6906826	1.722799	7.740767	9.021697
Stddev	.05709	.0003783	.0013101	.0032216	.003956	.023173	.038009
%RSD	.2794622	.1235815	.3430619	.4664305	.2296525	.2993592	.4213032

#1	20.46433	.3057968	.3811669	.6871684	1.721672	7.762309	9.002735
#2	20.36373	.3065162	.3810803	.6913831	1.719528	7.716251	8.996900
#3	20.46082	.3059538	.3833915	.6934963	1.727196	7.743742	9.065457

Sample Name: Q1374-01MSD Acquired: 2/18/2025 14:44:22 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	1.867034	.2982577	.1991249
Stddev	.012419	.0008759	.0011027
%RSD	.6651803	.2936870	.5537630
#1	1.859479	.2982597	.1985966
#2	1.860256	.2973808	.1983858
#3	1.881367	.2991326	.2003923

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2804.123	59499.03	11918.29	1813.870	3808.055
Stddev	5.572	200.93	25.62	11.160	7.252
%RSD	.1987233	.3376983	.2150033	.6152550	.1904277
#1	2806.381	59517.91	11944.89	1808.258	3815.323
#2	2808.212	59289.33	11893.76	1806.630	3808.024
#3	2797.776	59689.85	11916.22	1826.722	3800.820

Sample Name: Q1374-01A Acquired: 2/18/2025 14:48:21 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.8166271	1.999153	1.548624	1.749135	.3855339	87.13281	.5134156
Stddev	.0127711	.038808	.023629	.025237	.0049441	.96762	.0049609
%RSD	1.563883	1.941238	1.525797	1.442829	1.282409	1.110506	.9662570

#1	.8019409	1.954745	1.521381	1.720146	.3798367	87.70810	.5160128
#2	.8228139	2.016159	1.563551	1.761055	.3880653	86.01567	.5076953
#3	.8251265	2.026555	1.560939	1.766204	.3886997	87.67466	.5165388

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1813698	.2053464	63.42604	.5323449	.2824193	.5188471	155.6851
Stddev	.0013424	.0046785	.70911	.0067271	.0058324	.0126753	2.5247
%RSD	.7401542	2.278351	1.118017	1.263678	2.065170	2.442973	1.621696

#1	.1824080	.1999719	63.93511	.5399770	.2756854	.5042840	158.4665
#2	.1798539	.2085072	62.61610	.5272768	.2858767	.5273932	153.5379
#3	.1818476	.2075603	63.72690	.5297810	.2856957	.5248642	155.0510

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.064545	45.22716	.6517508	.0695500	7.580427	.4729668	1.084398
Stddev	.025759	.49902	.0124846	.0008147	.104134	.0021980	.015332
%RSD	1.247681	1.103357	1.915550	1.171427	1.373725	.4647197	1.413880

#1	2.083231	45.55747	.6373860	.0702825	7.694116	.4749462	1.102101
#2	2.035160	44.65312	.6599852	.0686725	7.489671	.4706014	1.075385
#3	2.075243	45.47090	.6578810	.0696948	7.557494	.4733528	1.075708

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.32552	.3064933	.3896062	.7068464	1.775427	8.471973	9.234263
Stddev	.23845	.0030272	.0064296	.0128425	.014726	.115013	.152497
%RSD	1.233857	.9876873	1.650269	1.816867	.8294339	1.357567	1.651424

#1	19.57155	.3099818	.3821839	.6920576	1.786175	8.600131	9.058228
#2	19.09545	.3045568	.3934608	.7151887	1.758642	8.377735	9.326004
#3	19.30957	.3049413	.3931740	.7132928	1.781463	8.438052	9.318559

Sample Name: Q1374-01A Acquired: 2/18/2025 14:48:21 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	1.909309	.2936770	.2022994
Stddev	.040189	.0021593	.0024901
%RSD	2.104881	.7352734	1.230919
#1	1.862914	.2950157	.2022399
#2	1.931622	.2911860	.1998395
#3	1.933391	.2948294	.2048187

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2756.556	59348.47	11276.74	1799.983	3737.052
Stddev	34.430	700.05	83.29	28.116	58.696
%RSD	1.249023	1.179558	.7386254	1.562016	1.570640
#1	2796.305	58563.82	11217.11	1767.760	3804.654
#2	2735.997	59909.06	11371.91	1819.525	3699.052
#3	2737.368	59572.53	11241.20	1812.665	3707.451

Sample Name: PB166747BL Acquired: 2/18/2025 14:52:20 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0010006	-.003471	.0008318	-.002564	-.001343	.0035829	-.005464
Stddev	.0014344	.000782	.0007793	.000023	.000270	.0021888	.000865
%RSD	143.3559	22.52287	93.69387	.8928687	20.08075	61.09210	15.83764

#1	-.000324	-.003587	.0016182	-.002585	-.001623	.0059639	-.004495
#2	.002524	-.002638	.0000597	-.002540	-.001320	.0016583	-.005740
#3	.000801	-.004188	.0008175	-.002568	-.001085	.0031264	-.006158

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000445	.0000547	-.011569	.0002638	-.000081	-.000429	.0102145
Stddev	.0000153	.0000328	.003201	.0004632	.000109	.000117	.0063409
%RSD	34.48420	59.88386	27.66563	175.6097	135.2274	27.29176	62.07742

#1	.0000616	.0000688	-.008007	.0006901	-.000005	-.000417	.0095230
#2	.0000321	.0000782	-.012497	-.000229	-.000206	-.000318	.0042477
#3	.0000397	.0000173	-.014204	.000330	-.000032	-.000551	.0168727

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000025	.0051227	.0000470	.0000254	-.022126	-.000092	-.000889
Stddev	.000305	.0079268	.0001149	.0001011	.007087	.001384	.000314
%RSD	1228.769	154.7380	244.4499	397.3307	32.02828	1502.414	35.31171

#1	-.000213	-.003055	-.000025	.0000639	-.028226	-.001470	-.000859
#2	-.000189	.005651	-.000013	.0001017	-.014353	-.000106	-.000591
#3	.000327	.012772	.000180	-.000089	-.023799	.001299	-.001217

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0614048	-.004160	-.000414	-.000624	.0001182	.0020741	.0014434
Stddev	.0264169	.000199	.000290	.000927	.0005238	.0054614	.0030597
%RSD	43.02097	4.780336	70.03901	148.5295	442.9885	263.3094	211.9798

#1	.0317423	-.004131	-.000479	-.000788	-.000182	.0066617	.0045715
#2	.0700751	-.004371	-.000097	.000374	-.000187	.0035277	.0013016
#3	.0823969	-.003977	-.000665	-.001457	.000723	-.003967	-.001543

Sample Name: PB166747BL Acquired: 2/18/2025 14:52:20 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0004039	-.002049	-.000047
Stddev	.0016906	.000791	.000033
%RSD	418.5737	38.58786	70.17295

#1	.0020271	-.001378	-.000036
#2	-.001347	-.002921	-.000021
#3	.000531	-.001849	-.000084

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2768.948	57604.29	10398.06	1784.295	4369.465
Stddev	.503	317.78	21.52	30.420	3.959
%RSD	.0181831	.5516671	.2069971	1.704855	.0906120

#1	2768.395	57701.02	10398.59	1791.820	4372.877
#2	2769.380	57862.46	10376.27	1810.246	4370.394
#3	2769.070	57249.38	10419.31	1750.819	4365.124

Sample Name: PB166747BS Acquired: 2/18/2025 15:01:52 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.7865028	1.972382	.9489873	1.920487	.7712315	1.815179
Stddev	.0022487	.012972	.0035071	.010178	.0054834	.005267
%RSD	.2859166	.6576619	.3695603	.5299723	.7109887	.2901560

#1	.7853784	1.962135	.9468283	1.914526	.7676327	1.810471
#2	.7850380	1.968045	.9470996	1.914697	.7685194	1.820867
#3	.7890920	1.986967	.9530339	1.932240	.7775424	1.814199

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1753077	.1824334	.1876719	.9096027	.3904975	.1886298
Stddev	.0013847	.0013822	.0006867	.0097726	.0008604	.0008138
%RSD	.7898468	.7576682	.3659326	1.074385	.2203442	.4314059

#1	.1759156	.1820766	.1871644	.9162545	.3910482	.1884134
#2	.1762845	.1839590	.1873979	.8983826	.3909382	.1879460
#3	.1737231	.1812645	.1884533	.9141711	.3895059	.1895298

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2985949	2.877417	.1832194	1.771894	.4755625	.0722944
Stddev	.0010676	.018803	.0008381	.006749	.0018051	.0001930
%RSD	.3575354	.6534569	.4574474	.3808908	.3795688	.2669357

#1	.2974384	2.898843	.1837568	1.771798	.4742318	.0724600
#2	.2988035	2.863668	.1836478	1.765195	.4748384	.0723408
#3	.2995427	2.869738	.1822537	1.778691	.4776172	.0720825

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.881677	.2716006	.1961389	9.401015	.2635112	.3875434
Stddev	.017779	.0007325	.0004952	.035218	.0017819	.0011777
%RSD	.6169620	.2696891	.2524685	.3746189	.6761993	.3038928

#1	2.898361	.2709860	.1966664	9.440389	.2621397	.3868018
#2	2.862975	.2714047	.1960662	9.390138	.2655252	.3869271
#3	2.883695	.2724111	.1956841	9.372519	.2628687	.3889014

Sample Name: PB166747BS Acquired: 2/18/2025 15:01:52 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.6476206	.1781187	.7793548	5.503378	F -.009116	.1832784
Stddev	.0045666	.0012215	.0069390	.024710	.001920	.0011465
%RSD	.7051357	.6857632	.8903534	.4490044	21.06102	.6255394
#1	.6454678	.1793760	.7873570	5.485900	-.006909	.1844764
#2	.6445283	.1780435	.7757051	5.492586	-.010034	.1831672
#3	.6528656	.1769365	.7750022	5.531649	-.010405	.1821915

Elem	Sr4077
Units	ppm
Avg	.1796788
Stddev	.0004135
%RSD	.2301086
#1	.1799680
#2	.1798631
#3	.1792052

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2733.080	57505.44	10743.83	1787.905	4232.917
Stddev	4.305	288.14	62.54	3.652	4.314
%RSD	.1575224	.5010600	.5821377	.2042369	.1019085
#1	2738.034	57244.67	10749.38	1783.911	4236.239
#2	2730.246	57456.88	10678.70	1788.732	4234.470
#3	2730.958	57814.77	10803.42	1791.073	4228.042

Sample Name: PB166735TB Acquired: 2/18/2025 15:05:53 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.005942	-.009710	-.000137	.0026282	.0001128	-.000773
Stddev	.003336	.001462	.001149	.0033556	.0003267	.006685
%RSD	56.13959	15.05692	837.7631	127.6770	289.6040	864.5122
#1	-.009385	-.009257	.000566	.0054349	.0004724	.006927
#2	-.005714	-.011345	.000486	-.001089	.0000320	-.005094
#3	-.002726	-.008528	-.001463	.003538	-.000166	-.004152
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002837	-.000110	-.000169	-.002750	.0009946	-.000117
Stddev	.000662	.000050	.000050	.002034	.0002219	.000115
%RSD	23.32519	45.48314	29.39661	73.98509	22.31413	98.37596
#1	-.003553	-.000052	-.000225	-.004560	.0007800	-.000224
#2	-.002248	-.000138	-.000152	-.003141	.0012232	-.000130
#3	-.002711	-.000140	-.000130	-.000548	.0009807	.000004
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005126	.0303029	F .0140875	.0102834	.0006838	-.000143
Stddev	.0002197	.0030179	.0001330	.0115046	.0003760	.000181
%RSD	42.85618	9.959079	.9441251	111.8756	54.98636	126.7695
#1	.0006001	.0270582	.0140084	.0126410	.0006735	-.000018
#2	.0002626	.0330260	.0140130	.0204265	.0003131	-.000060
#3	.0006750	.0308244	.0142410	-.002217	.0010648	-.000350
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 288.9481	-.001769	.0014915	.0907993	-.005941	.0000482
Stddev	2.4592	.000792	.0001852	.0146258	.000167	.0003751
%RSD	.8511042	44.73799	12.41608	16.10781	2.816625	777.7899
#1	290.5736	-.001793	.0014250	.0859544	-.005912	.0004290
#2	290.1518	-.002549	.0017007	.1072328	-.006120	.0000366
#3	286.1188	-.000966	.0013487	.0792107	-.005789	-.000321

Sample Name: PB166735TB Acquired: 2/18/2025 15:05:53 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0001395	-.000141	.0084250	.0054467	F .0405794	-.003757
Stddev	.0007293	.000507	.0068822	.0012932	.0012507	.000929
%RSD	522.7597	358.3379	81.68870	23.74321	3.082051	24.72695
#1	.0000066	-.000072	.0129084	.0062328	.0393438	-.004616
#2	.0009261	-.000679	.0118655	.0039541	.0418446	-.003882
#3	-.000514	.000327	.0005009	.0061532	.0405496	-.002771
Elem	Sr4077					
Units	ppm					
Avg	-.000052					
Stddev	.000013					
%RSD	24.14783					
#1	-.000067					
#2	-.000043					
#3	-.000047					
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	2534.218	53253.60	10921.82	1642.519	3773.231	
Stddev	4.520	136.21	51.30	4.363	5.658	
%RSD	.1783701	.2557829	.4696669	.2656572	.1499607	
#1	2529.012	53099.95	10905.00	1644.437	3766.750	
#2	2537.153	53359.55	10979.41	1645.595	3777.190	
#3	2536.488	53301.29	10881.04	1637.525	3775.753	

Sample Name: Q1373-01 Acquired: 2/18/2025 15:10:22 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.008378	-.009551	-.000909	.0015495	.0038020	-.007099	.3174084
Stddev	.000589	.001923	.001257	.0004088	.0012070	.001759	.0008006
%RSD	7.026449	20.13365	138.2539	26.38392	31.74547	24.77824	.2522306

#1	-.009058	-.010237	-.002175	.0012825	.0051088	-.008554	.3183027
#2	-.008023	-.011037	-.000891	.0020201	.0035681	-.007599	.3167584
#3	-.008054	-.007379	.000339	.0013458	.0027291	-.005144	.3171641

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000102	-.000062	11.32660	.0008339	.0057065	.0078510	3.077187
Stddev	.000039	.000032	.00739	.0003265	.0000064	.0006599	.025410
%RSD	38.46958	52.06499	.0652795	39.15244	.1119871	8.404762	.8257457

#1	-.000086	-.000094	11.32868	.0005422	.0057065	.0081159	3.064909
#2	-.000073	-.000063	11.31840	.0007729	.0057000	.0083373	3.060249
#3	-.000147	-.000029	11.33274	.0011866	.0057128	.0070999	3.106404

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2102713	.1478309	.0033416	.0000192	276.2649	-.000436	12.10202
Stddev	.0007101	.0087133	.0001206	.0003657	4.2692	.000842	.06588
%RSD	.3376840	5.894083	3.609227	1907.695	1.545339	193.2804	.5443815

#1	.2109327	.1552354	.0032275	.0004000	280.4890	-.001343	12.03975
#2	.2103601	.1500278	.0034678	-.000329	271.9519	.000320	12.17100
#3	.2095210	.1382294	.0033294	-.000013	276.3537	-.000284	12.09532

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2115145	.0072139	-.002061	-.000331	-.000329	.1513842	1.246327
Stddev	.0049498	.0002737	.000125	.000817	.000496	.0065821	.002486
%RSD	2.340181	3.793887	6.046966	247.0745	150.8433	4.347966	.1994787

#1	.2151069	.0071301	-.002066	-.000154	-.000811	.1588763	1.249161
#2	.2135682	.0069919	-.002183	-.001222	.000179	.1465311	1.244514
#3	.2058684	.0075197	-.001934	.000384	-.000354	.1487451	1.245306

Sample Name: Q1373-01 Acquired: 2/18/2025 15:10:22 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.3390029	-.004825	.0161425
Stddev	.0036832	.000517	.0000768
%RSD	1.086495	10.72087	.4759748

#1	.3354488	-.004631	.0162025
#2	.3387569	-.004433	.0160559
#3	.3428029	-.005411	.0161691

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2505.898	53450.94	10904.03	1647.367	3726.799
Stddev	8.928	127.94	24.78	11.938	9.828
%RSD	.3562743	.2393594	.2272529	.7246853	.2637037

#1	2512.934	53575.02	10932.50	1659.906	3734.676
#2	2508.905	53458.33	10887.32	1636.138	3729.935
#3	2495.855	53319.46	10892.26	1646.058	3715.786

Sample Name: Q1373-02 Acquired: 2/18/2025 15:14:47 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.005827	-.007531	.0005246	-.002534	.0032367	-.003222	.2532275
Stddev	.002151	.001756	.0007061	.001425	.0013395	.003514	.0012352
%RSD	36.92187	23.31361	134.6071	56.24023	41.38375	109.0859	.4877694

#1	-.003388	-.007940	.0000162	-.002522	.0016904	-.002042	.2518013
#2	-.007454	-.009045	.0002267	-.003964	.0040403	-.007174	.2539405
#3	-.006640	-.005606	.0013308	-.001115	.0039793	-.000449	.2539407

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001598	-.000959	12.62772	.0009406	.0098561	.0109092	22.03656
Stddev	.0000528	.000048	.05030	.0000558	.0002066	.0006140	.01477
%RSD	33.01969	5.028402	.3983268	5.932464	2.095993	5.628323	.0670386

#1	.0001167	-.000908	12.59564	.0008935	.0098133	.0103213	22.03578
#2	.0002187	-.001004	12.68569	.0009261	.0100807	.0108598	22.02219
#3	.0001440	-.000964	12.60182	.0010022	.0096743	.0115464	22.05171

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2081858	.1312788	.0045090	-.000019	261.3296	.0004982	10.50067
Stddev	.0004672	.0022415	.0002693	.000345	.6367	.0016476	.02646
%RSD	.2244075	1.707430	5.971555	1859.180	.2436254	330.7006	.2519921

#1	.2086801	.1331375	.0043773	-.000389	262.0553	.0015455	10.52238
#2	.2081257	.1319093	.0043309	.000295	261.0686	-.001401	10.47119
#3	.2077515	.1287896	.0048187	.000038	260.8649	.001350	10.50843

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2561490	.0179557	-.002457	-.001180	-.000485	.2081512	2.146204
Stddev	.0260475	.0001175	.000432	.000416	.000243	.0042724	.014480
%RSD	10.16887	.6542090	17.56996	35.26236	49.96057	2.052554	.6746800

#1	.2478484	.0178659	-.002810	-.000838	-.000490	.2046662	2.152170
#2	.2853352	.0180887	-.002584	-.001058	-.000726	.2068696	2.129695
#3	.2352635	.0179127	-.001975	-.001643	-.000241	.2129177	2.156749

Sample Name: Q1373-02 Acquired: 2/18/2025 15:14:47 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.2762420	-.005959	-.006475
Stddev	.0011854	.000204	.000051
%RSD	.4291099	3.429729	.7915662
#1	.2776039	-.005997	-.006534
#2	.2756794	-.006141	-.006449
#3	.2754427	-.005738	-.006441

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2568.813	53753.89	10865.48	1669.350	3813.675
Stddev	1.975	6.62	28.83	7.631	5.427
%RSD	.0768978	.0123182	.2653298	.4571052	.1422940
#1	2570.617	53751.05	10884.72	1669.062	3816.989
#2	2566.702	53761.45	10832.33	1677.121	3816.625
#3	2569.118	53749.15	10879.39	1661.867	3807.413

Sample Name: CCV04 Acquired: 2/18/2025 15:19:11 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	4.681165	4.828709	4.696103	4.700103	4.736065	9.374762	9.376706
Stddev	.008473	.014421	.006317	.015734	.010014	.026540	.018151
%RSD	.1810032	.2986585	.1345056	.3347564	.2114473	.2830990	.1935785

#1	4.690537	4.840067	4.700947	4.717765	4.747537	9.399242	9.356527
#2	4.678910	4.812484	4.688959	4.687585	4.729074	9.346556	9.391703
#3	4.674047	4.833577	4.698403	4.694959	4.731584	9.378488	9.381887

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2392659	2.344389	23.34669	.9597272	2.358204	1.198263	4.715675
Stddev	.0010429	.002342	.04814	.0015336	.002752	.000155	.028667
%RSD	.4358806	.0998770	.2062157	.1597923	.1167066	.0129001	.6079076

#1	.2400305	2.344112	23.36641	.9607273	2.357196	1.198438	4.723606
#2	.2380778	2.342198	23.29182	.9579616	2.356099	1.198204	4.683877
#3	.2396892	2.346856	23.38185	.9604927	2.361318	1.198145	4.739540

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.342514	22.61405	2.359595	1.205008	23.51633	2.341666	2.379746
Stddev	.008862	.09817	.003395	.001809	.06749	.012377	.006221
%RSD	.3782975	.4340925	.1439015	.1501254	.2869749	.5285501	.2614308

#1	2.346609	22.56660	2.358964	1.203539	23.48898	2.347289	2.373366
#2	2.332345	22.54862	2.356559	1.204457	23.46681	2.327476	2.385796
#3	2.348588	22.72692	2.363262	1.207029	23.59320	2.350233	2.380076

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.35893	4.792882	4.816721	4.695279	4.698567	4.642890	4.673703
Stddev	.09987	.018662	.008103	.005501	.020643	.022584	.017414
%RSD	.4275261	.3893602	.1682327	.1171659	.4393518	.4864261	.3725940

#1	23.33599	4.806879	4.825723	4.700274	4.707451	4.617594	4.690884
#2	23.27253	4.771695	4.810008	4.689383	4.674969	4.661028	4.656066
#3	23.46827	4.800072	4.814434	4.696180	4.713281	4.650047	4.674160

Sample Name: CCV04 Acquired: 2/18/2025 15:19:11 Type: Unk
 Method: NON EPA-6010-200.7(v2521) 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	4.631532	4.647148	4.751338
Stddev	.002258	.023971	.036688
%RSD	.0487471	.5158154	.7721642
#1	4.631682	4.656267	4.711801
#2	4.629204	4.619955	4.757929
#3	4.633712	4.665220	4.784284

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2732.901	56848.04	10112.04	1779.531	4045.654
Stddev	6.122	30.69	26.31	5.682	3.136
%RSD	.2240222	.0539848	.2602174	.3192879	.0775209
#1	2725.890	56874.90	10088.42	1776.893	4042.375
#2	2735.624	56854.63	10140.40	1786.052	4048.625
#3	2737.190	56814.59	10107.31	1775.648	4045.962

Sample Name: CCB04 Acquired: 2/18/2025 15:23:24 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0040320	-.003881	.0007088	-.001845	-.000647	.0040249	-.006913
Stddev	.0006333	.002263	.0004706	.002966	.000549	.0036866	.000356
%RSD	15.70575	58.32057	66.39853	160.8190	84.91266	91.59474	5.152082

#1	.0044386	-.003632	.0009927	.001125	-.000296	.0013397	-.006508
#2	.0033024	-.006258	.0001655	-.001850	-.000365	.0082282	-.007178
#3	.0043551	-.001752	.0009681	-.004808	-.001280	.0025069	-.007052

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000035	.0000267	-.014248	.0002264	.0000410	.0002189	.0075807
Stddev	.0000423	.0000610	.004971	.0001275	.0001102	.0000751	.0015862
%RSD	1191.527	228.4077	34.89215	56.32748	268.6994	34.31189	20.92490

#1	.0000085	.0000271	-.009442	.0000887	.0000105	.0003002	.0089265
#2	.0000431	-.000034	-.019370	.0002500	-.000051	.0002044	.0079836
#3	-.000041	.000087	-.013932	.0003405	.000163	.0001521	.0058318

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000913	.0003840	.0001157	.0001607	.0050037	-.000997	-.000892
Stddev	.0002873	.0077515	.0001698	.0000986	.0067703	.000508	.000070
%RSD	314.6685	2018.787	146.8048	61.37731	135.3042	50.92525	7.877809

#1	.0003687	-.007511	.0002371	.0000688	-.002709	-.001401	-.000810
#2	.0001102	.007984	-.000078	.0001484	.007753	-.000427	-.000931
#3	-.000205	.000678	.000188	.0002649	.009967	-.001161	-.000933

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0449339	.0014148	-.000268	-.000716	-.000551	-.003737	-.001104
Stddev	.0277833	.0007490	.000158	.000605	.000475	.001288	.001860
%RSD	61.83148	52.94082	59.14118	84.47803	86.23954	34.48228	168.5338

#1	.0255924	.0019415	-.000085	-.000137	-.000706	-.003923	-.001959
#2	.0324384	.0017455	-.000362	-.001343	-.000018	-.002365	-.002382
#3	.0767708	.0005573	-.000355	-.000667	-.000930	-.004922	.001030

Sample Name: CCB04 Acquired: 2/18/2025 15:23:24 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.002469	.0007665	-.000009
Stddev	.002306	.0008447	.000050
%RSD	93.37081	110.2046	567.8548
#1	-.002975	-.000019	-.000008
#2	.000047	.001660	-.000059
#3	-.004480	.000659	.000040

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2772.724	58513.42	10239.68	1817.315	4374.521
Stddev	3.462	109.24	48.12	2.177	6.535
%RSD	.1248735	.1867002	.4699787	.1198155	.1493859
#1	2771.424	58415.20	10185.18	1817.642	4370.528
#2	2776.648	58493.98	10276.33	1814.993	4382.062
#3	2770.099	58631.08	10257.53	1819.311	4370.972

Sample Name: Q1373-02DUP Acquired: 2/18/2025 15:27:44 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.010118	-.007095	-.000352	-.002734	.0033575	-.007621	.2418166
Stddev	.001058	.000433	.001040	.001595	.0002199	.002740	.0009430
%RSD	10.45636	6.101293	295.3183	58.32216	6.549125	35.95556	.3899795

#1	-.009019	-.007091	-.001335	-.002106	.0031448	-.007342	.2423999
#2	-.010205	-.007529	-.000459	-.001550	.0033439	-.005032	.2407286
#3	-.011130	-.006664	.000737	-.004548	.0035839	-.010491	.2423212

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001054	-.000852	12.28916	.0005528	.0102127	.0113648	21.44170
Stddev	.0000633	.000144	.02458	.0004547	.0001008	.0004106	.16203
%RSD	60.00328	16.90867	.1999963	82.24126	.9871741	3.612751	.7556784

#1	.0001342	-.000973	12.30964	.0001492	.0101011	.0109312	21.42518
#2	.0001492	-.000692	12.29595	.0010454	.0102401	.0114156	21.28856
#3	.0000329	-.000891	12.26191	.0004639	.0102971	.0117476	21.61135

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2022215	.1293435	.0040770	.0003138	253.3846	.0004961	10.40651
Stddev	.0017715	.0063197	.0001768	.0002009	.5993	.0005303	.03210
%RSD	.8760185	4.885971	4.337662	64.00941	.2365082	106.8863	.3084374

#1	.2013925	.1263089	.0038730	.0002893	252.6949	.0006004	10.37022
#2	.2010166	.1366081	.0041711	.0001264	253.6802	-.000079	10.43116
#3	.2042556	.1251134	.0041870	.0005259	253.7786	.000967	10.41815

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2756557	.0189102	-.002366	-.000532	-.000117	.1998752	2.159136
Stddev	.0165077	.0003557	.000164	.000906	.000254	.0101034	.004574
%RSD	5.988532	1.881016	6.941268	170.2389	216.7694	5.054851	.2118210

#1	.2604128	.0193077	-.002552	-.001268	.000142	.1985846	2.154804
#2	.2931891	.0188011	-.002242	.000480	-.000366	.1904791	2.158686
#3	.2733651	.0186218	-.002304	-.000809	-.000127	.2105618	2.163918

Sample Name: Q1373-02DUP Acquired: 2/18/2025 15:27:44 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.2820570	-.004612	-.006334
Stddev	.0065086	.000800	.000178
%RSD	2.307542	17.33642	2.809148

#1	.2775743	-.003849	-.006268
#2	.2790743	-.005444	-.006198
#3	.2895224	-.004544	-.006535

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2548.365	54082.27	10969.55	1661.308	3785.028
Stddev	12.306	141.61	52.82	5.426	16.418
%RSD	.4829101	.2618413	.4815106	.3266041	.4337526

#1	2556.781	54226.24	10972.44	1667.218	3794.005
#2	2554.072	54077.44	10915.35	1660.154	3794.999
#3	2534.241	53943.14	11020.87	1656.552	3766.079

Sample Name: Q1373-02LX5 Acquired: 2/18/2025 15:32:08 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.005849	-.005318	.0002978	-.003409	.0004348	.0008350	.0402933
Stddev	.001239	.000027	.0006404	.001432	.0003434	.0082457	.0003221
%RSD	21.17736	.5107381	215.0184	42.01026	78.97323	987.5426	.7993462

#1	-.004659	-.005340	.0005973	-.003230	.0000655	-.001819	.0399793
#2	-.005758	-.005327	-.000437	-.004922	.0007444	.010081	.0406229
#3	-.007132	-.005288	.000734	-.002075	.0004947	-.005757	.0402777

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000626	-.000149	2.462429	.0001175	.0019145	.0029696	3.961019
Stddev	.0000201	.000013	.016754	.0002365	.0001723	.0002141	.006558
%RSD	32.18475	8.954754	.6803813	201.2999	8.999270	7.210322	.1655663

#1	.0000818	-.000144	2.450015	-.000001	.0020192	.0030121	3.968179
#2	.0000642	-.000163	2.481485	.000390	.0020087	.0027375	3.959575
#3	.0000417	-.000138	2.455785	-.000037	.0017157	.0031594	3.955303

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0407367	.0353962	.0008927	.0002084	44.82080	-.000112	2.236259
Stddev	.0002922	.0087691	.0000839	.0002351	.16642	.000547	.015316
%RSD	.7173894	24.77406	9.402026	112.8564	.3713064	489.2346	.6848935

#1	.0407290	.0419258	.0007973	.0001823	44.65058	-.000635	2.220948
#2	.0410327	.0254292	.0009550	.0004554	44.82869	.000456	2.236250
#3	.0404484	.0388336	.0009258	-.000013	44.98314	-.000156	2.251580

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0672391	-.000281	-.000626	-.000477	.0000153	.0333468	.4227819
Stddev	.0075184	.000578	.000122	.000169	.0003295	.0022785	.0042576
%RSD	11.18164	205.9611	19.47702	35.37879	2149.807	6.832880	1.007037

#1	.0598284	-.000335	-.000760	-.000323	.0003868	.0328720	.4232251
#2	.0748608	.000323	-.000599	-.000658	-.000099	.0358254	.4183201
#3	.0670282	-.000830	-.000520	-.000451	-.000242	.0313431	.4268006

Sample Name: Q1373-02LX5 Acquired: 2/18/2025 15:32:08 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0564689	.0001004	-.001048
Stddev	.0015560	.0007743	.000063
%RSD	2.755551	771.3709	5.994972

#1	.0573257	.0009085	-.001051
#2	.0574081	.0000274	-.000984
#3	.0546727	-.000635	-.001110

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2659.554	56556.21	10287.06	1724.268	4065.390
Stddev	7.308	189.13	31.69	12.445	9.808
%RSD	.2747654	.3344114	.3081042	.7217655	.2412494

#1	2651.183	56764.12	10305.97	1734.406	4055.715
#2	2664.660	56510.13	10250.47	1728.018	4075.325
#3	2662.818	56394.37	10304.75	1710.378	4065.129

Sample Name: Q1373-02MS Acquired: 2/18/2025 15:36:24 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.8079616	1.790135	.9234996	1.936257	.8115117	1.824009	.4595542
Stddev	.0017415	.027000	.0018886	.000621	.0008999	.003328	.0003086
%RSD	.2155357	1.508255	.2045007	.0320487	.1108920	.1824457	.0671604

#1	.8059716	1.758975	.9256795	1.936694	.8121109	1.820752	.4598127
#2	.8092068	1.804832	.9223589	1.936530	.8104768	1.827403	.4592125
#3	.8087064	1.806598	.9224603	1.935547	.8119472	1.823872	.4596374

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1674784	.1903189	14.57992	.3934191	.2034801	.2969578	27.07360
Stddev	.0011893	.0007798	.05437	.0020959	.0005201	.0011353	.20710
%RSD	.7101389	.4097536	.3729104	.5327473	.2556011	.3822995	.7649508

#1	.1686477	.1904730	14.62992	.3935191	.2037065	.2965891	26.95263
#2	.1662700	.1894735	14.52204	.3954633	.2028852	.2960528	27.31273
#3	.1675173	.1910101	14.58781	.3912750	.2038486	.2982316	26.95543

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3853022	1.841444	.4851191	.0733600	289.4464	.2790847	11.39824
Stddev	.0011494	.014866	.0007706	.0003076	4.2209	.0010853	.02503
%RSD	.2983131	.8073165	.1588397	.4192932	1.458257	.3888798	.2195528

#1	.3850581	1.855958	.4856810	.0737045	288.9935	.2791614	11.41255
#2	.3842945	1.826249	.4842407	.0732627	293.8755	.2801297	11.41281
#3	.3865541	1.842125	.4854356	.0731129	285.4702	.2779631	11.36934

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.21338	.2544678	.4092950	.6706605	.1868050	1.109694	7.873375
Stddev	.11689	.0014488	.0007273	.0024459	.0006189	.014149	.008998
%RSD	1.042447	.5693365	.1776872	.3647011	.3312836	1.275025	.1142872

#1	11.18078	.2557125	.4100707	.6729612	.1875196	1.098996	7.863850
#2	11.34312	.2528774	.4086286	.6680915	.1864472	1.125737	7.874543
#3	11.11625	.2548133	.4091858	.6709289	.1864482	1.104350	7.881733

Sample Name: Q1373-02MS Acquired: 2/18/2025 15:36:24 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.2909077	.1881556	.1761557
Stddev	.0023263	.0003800	.0003268
%RSD	.7996521	.2019438	.1855149

#1	.2887014	.1885269	.1765300
#2	.2933377	.1881725	.1760103
#3	.2906838	.1877675	.1759269

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2501.129	52943.72	10874.07	1608.781	3712.491
Stddev	6.495	276.99	62.81	1.856	9.799
%RSD	.2596985	.5231834	.5776551	.1153479	.2639435

#1	2493.874	53000.53	10813.27	1610.906	3704.907
#2	2506.404	52642.73	10938.73	1607.482	3723.555
#3	2503.109	53187.91	10870.21	1607.955	3709.011

Sample Name: Q1373-02MSD Acquired: 2/18/2025 15:40:33 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.7915134	1.782961	.9090309	1.888935	.7888241	1.813068	.4591424
Stddev	.0033352	.013513	.0042276	.002606	.0008123	.002636	.0011291
%RSD	.4213724	.7578962	.4650651	.1379512	.1029753	.1453803	.2459232

#1	.7949423	1.768059	.9132973	1.886635	.7889602	1.810180	.4602168
#2	.7913174	1.786407	.9089522	1.888406	.7879524	1.815344	.4579655
#3	.7882805	1.794418	.9048432	1.891765	.7895598	1.813681	.4592447

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1678201	.1877720	14.56051	.3864646	.2006434	.2927591	26.56796
Stddev	.0010179	.0006214	.01676	.0008570	.0005796	.0018232	.02559
%RSD	.6065492	.3309365	.1150748	.2217649	.2888646	.6227540	.0963332

#1	.1677816	.1884863	14.55926	.3870783	.2013113	.2940180	26.59732
#2	.1668220	.1874733	14.54442	.3854854	.2002734	.2906684	26.55620
#3	.1688567	.1873563	14.57786	.3868301	.2003455	.2935909	26.55036

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3870363	1.817041	.4783861	.0718085	281.5453	.2758462	11.13560
Stddev	.0014618	.032881	.0015051	.0006356	2.3576	.0005579	.02554
%RSD	.3776825	1.809573	.3146205	.8851515	.8373904	.2022378	.2293938

#1	.3884868	1.790356	.4798906	.0712687	284.1425	.2759350	11.10622
#2	.3855635	1.806993	.4768804	.0716477	280.9532	.2763543	11.14806
#3	.3870586	1.853773	.4783873	.0725090	279.5401	.2752492	11.15253

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.86069	.2544639	.4026052	.6613984	.1863113	1.082130	7.880249
Stddev	.05807	.0018674	.0013671	.0031882	.0008940	.012269	.016110
%RSD	.5346961	.7338559	.3395724	.4820448	.4798553	1.133755	.2044332

#1	10.89596	.2530489	.4031732	.6650788	.1872614	1.091905	7.890260
#2	10.89245	.2537623	.4010456	.6594827	.1854867	1.068363	7.861665
#3	10.79367	.2565805	.4035967	.6596336	.1861858	1.086123	7.888821

Sample Name: Q1373-02MSD Acquired: 2/18/2025 15:40:33 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.2870974	.1873761	.1761301
Stddev	.0020036	.0006960	.0004815
%RSD	.6978629	.3714342	.2733713
#1	.2872298	.1881453	.1765911
#2	.2850309	.1871928	.1756304
#3	.2890314	.1867901	.1761689

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2549.412	54160.76	10868.56	1670.121	3771.702
Stddev	9.556	109.62	72.74	2.699	10.320
%RSD	.3748212	.2023920	.6692645	.1616128	.2736059
#1	2540.530	54188.62	10897.19	1673.185	3760.951
#2	2559.522	54253.76	10922.63	1668.096	3781.528
#3	2548.183	54039.90	10785.86	1669.081	3772.625

Sample Name: Q1373-02A Acquired: 2/18/2025 15:44:43 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.7760853	1.764555	.8981545	1.854359	.7784725	1.785163	.4593197
Stddev	.0035776	.021381	.0034648	.008529	.0031940	.007830	.0024160
%RSD	.4609773	1.211698	.3857747	.4599489	.4102950	.4386160	.5260066

#1	.7739892	1.741590	.8950322	1.848039	.7756717	1.776833	.4595303
#2	.7740506	1.768188	.8975491	1.850977	.7777948	1.792372	.4616236
#3	.7802162	1.783886	.9018822	1.864060	.7819510	1.786285	.4568053

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1671879	.1851715	14.49079	.3814476	.1985339	.2892892	25.92422
Stddev	.0005108	.0010385	.01418	.0006625	.0006722	.0014271	.06566
%RSD	.3055528	.5608490	.0978892	.1736904	.3385983	.4932975	.2532828

#1	.1666654	.1841737	14.48098	.3807361	.1978463	.2889351	25.94649
#2	.1672119	.1850943	14.48432	.3815599	.1985659	.2880726	25.97584
#3	.1676863	.1862465	14.50705	.3820468	.1991896	.2908600	25.85031

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3879827	1.825826	.4721468	.0699891	273.2490	.2756328	10.94558
Stddev	.0010779	.021772	.0027999	.0001661	.9596	.0011745	.02992
%RSD	.2778253	1.192452	.5930081	.2372791	.3511998	.4261194	.2733207

#1	.3890291	1.811789	.4701130	.0698811	272.1505	.2767479	10.96115
#2	.3880433	1.814781	.4709871	.0699059	273.9247	.2744067	10.91108
#3	.3868758	1.850906	.4753401	.0701803	273.6716	.2757436	10.96449

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.55079	.2516698	.3999557	.6539214	.1859648	1.048591	7.790933
Stddev	.04454	.0011750	.0021611	.0036751	.0012499	.005616	.045484
%RSD	.4221544	.4668795	.5403270	.5620171	.6721403	.5355759	.5838123

#1	10.51989	.2504723	.3987295	.6499424	.1873728	1.043201	7.748270
#2	10.60184	.2528209	.3986866	.6546333	.1849862	1.048164	7.785737
#3	10.53063	.2517161	.4024509	.6571886	.1855353	1.054408	7.838792

Sample Name: Q1373-02A Acquired: 2/18/2025 15:44:43 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.2847132	.1871345	.1760961
Stddev	.0055897	.0010783	.0005249
%RSD	1.963270	.5761891	.2980696
#1	.2785224	.1876074	.1759285
#2	.2893898	.1878955	.1766843
#3	.2862275	.1859006	.1756754

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2581.542	55591.19	10869.28	1710.856	3821.445
Stddev	5.825	80.76	30.76	2.859	15.328
%RSD	.2256450	.1452791	.2830322	.1671309	.4011123
#1	2587.532	55675.56	10903.71	1708.433	3837.553
#2	2581.197	55514.60	10844.50	1714.010	3819.743
#3	2575.898	55583.40	10859.64	1710.124	3807.039

Sample Name: PB166757BL Acquired: 2/18/2025 15:48:52 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.000361	-.007542	.0005395	.0004448	.0005703	.0014065	-.004776
Stddev	.002984	.001687	.0004290	.0032946	.0007222	.0026285	.000563
%RSD	826.7395	22.36653	79.52204	740.7287	126.6330	186.8761	11.79295
#1	.001507	-.009177	.0005318	.0016078	.0002066	.0023822	-.004323
#2	-.003802	-.007643	.0001144	-.003274	.0014021	.0034076	-.005406
#3	.001213	-.005807	.0009724	.003000	.0001023	-.001570	-.004597
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000095	-.000114	-.018404	.0006208	-.000233	.0000458	.0088156
Stddev	.000073	.000047	.003575	.0001500	.000088	.0001885	.0040610
%RSD	76.62030	41.42655	19.42600	24.16263	37.80026	411.7862	46.06632
#1	-.000177	-.000098	-.021693	.0007667	-.000133	-.000137	.0041800
#2	-.000065	-.000168	-.018920	.0006285	-.000268	.000035	.0105205
#3	-.000042	-.000077	-.014599	.0004671	-.000297	.000239	.0117463
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007950	.0167875	.0003447	.0003390	-.041005	.0000487	.0002363
Stddev	.0004835	.0022208	.0001951	.0001452	.002085	.0007963	.0001654
%RSD	60.81335	13.22898	56.58200	42.83641	5.085900	1633.516	70.00617
#1	.0009366	.0170870	.0002498	.0001781	-.038661	.0008244	.0001198
#2	.0002566	.0144321	.0002153	.0004604	-.041700	.0000885	.0004257
#3	.0011919	.0188433	.0005691	.0003785	-.042654	-.000767	.0001634
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000665	-.005336	.0001182	-.000342	-.000308	.0105770	.0051667
Stddev	.011980	.000413	.0000484	.000756	.000510	.0036315	.0021782
%RSD	1801.214	7.747643	40.96048	220.7997	165.4629	34.33372	42.15880
#1	.006366	-.005729	.0001407	-.000819	-.000731	.0072088	.0031940
#2	.006137	-.005374	.0000627	.000529	.000258	.0144241	.0075043
#3	-.014498	-.004905	.0001513	-.000736	-.000451	.0100980	.0048016

Sample Name: PB166757BL Acquired: 2/18/2025 15:48:52 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.0017984	-.003694	-.000057
Stddev	.0017193	.001694	.000003
%RSD	95.59988	45.85373	5.870310

#1	.0020772	-.003262	-.000054
#2	.0033612	-.005563	-.000060
#3	-.000043	-.002259	-.000056

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2727.695	59308.49	11373.02	1799.611	4347.216
Stddev	11.999	162.30	97.83	2.039	21.447
%RSD	.4399077	.2736542	.8602167	.1132807	.4933522

#1	2735.564	59398.08	11455.62	1801.850	4363.803
#2	2733.637	59121.14	11398.47	1799.122	4354.847
#3	2713.884	59406.24	11264.98	1797.861	4322.996

Sample Name: PB166757BS Acquired: 2/18/2025 15:53:12 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	.7869856	1.867322	.9258704	1.847082	.7917964	1.843366	.1702686
Stddev	.0020572	.009820	.0005456	.004402	.0017070	.005419	.0004533
%RSD	.2614072	.5259140	.0589278	.2383206	.2155861	.2939884	.2662448

#1	.7866574	1.865604	.9259221	1.844405	.7928469	1.839268	.1707691
#2	.7891873	1.858473	.9253008	1.844678	.7898267	1.849511	.1698855
#3	.7851122	1.877887	.9263883	1.852162	.7927154	1.841319	.1701514

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1775773	.1831829	.9167214	.3982762	.1890426	.3020561	2.833960
Stddev	.0009827	.0000939	.0079659	.0011657	.0002648	.0000580	.010752
%RSD	.5534231	.0512483	.8689562	.2926855	.1400662	.0192047	.3794083

#1	.1771663	.1831576	.9212803	.3972576	.1888908	.3019913	2.845159
#2	.1786988	.1831043	.9213607	.3980234	.1888887	.3021032	2.823718
#3	.1768667	.1832869	.9075233	.3995475	.1893483	.3020739	2.833003

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1832060	1.762350	.4740310	.0709496	2.794533	.2760393	.1930504
Stddev	.0003952	.011557	.0009585	.0000685	.022759	.0027840	.0003958
%RSD	.2157091	.6557795	.2021968	.0965771	.8144188	1.008547	.2050301

#1	.1828739	1.758890	.4734390	.0709110	2.805997	.2748631	.1933792
#2	.1836431	1.775242	.4735172	.0710287	2.768322	.2792184	.1931609
#3	.1831011	1.752918	.4751369	.0709090	2.809281	.2740365	.1926110

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.097441	.2448660	.4135359	.6502499	.1824936	.7570552	5.111354
Stddev	.085352	.0022583	.0007894	.0013557	.0007101	.0069969	.020699
%RSD	.9382001	.9222563	.1909003	.2084915	.3891331	.9242258	.4049711

#1	9.154293	.2449641	.4138850	.6505123	.1822220	.7599448	5.096334
#2	8.999295	.2470736	.4126321	.6487821	.1819593	.7490763	5.102762
#3	9.138735	.2425602	.4140905	.6514552	.1832994	.7621445	5.134966

Sample Name: PB166757BS Acquired: 2/18/2025 15:53:12 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	-.009218	.1813119	.1809987
Stddev	.001117	.0016953	.0003501
%RSD	12.11408	.9350040	.1934342
#1	-.009463	.1794065	.1813590
#2	-.007999	.1818757	.1806597
#3	-.010192	.1826534	.1809775

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2672.523	58349.70	10648.16	1757.314	4222.290
Stddev	6.111	177.73	48.72	4.277	6.810
%RSD	.2286643	.3045879	.4575540	.2433637	.1612930
#1	2668.445	58410.68	10672.52	1758.944	4221.022
#2	2679.549	58488.92	10592.06	1760.535	4229.645
#3	2669.574	58149.52	10679.90	1752.462	4216.202

Sample Name: LR1 Acquired: 2/18/2025 15:57:09 Type: Unk
Method: NON EPA-6010-200.7(v2707) 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	.0158387	.0831954	.0333355	-.165208	-.006885	2010.997	.0194554
Stddev	.0091571	.0014328	.0013655	.006391	.004519	19.873	.0001838
%RSD	57.81480	1.722222	4.096318	3.868544	65.62694	.9882000	.9447281

#1	.0124622	.0815972	.0335329	-.169290	-.011813	1988.307	.0194678
#2	.0088492	.0836237	.0318820	-.157842	-.005906	2019.379	.0192657
#3	.0262046	.0843652	.0345916	-.168491	-.002937	2025.306	.0196326

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084686	-.001860	1829.926	.0034772	.0265013	-.173475	1081.349
Stddev	.0003213	.000680	7.952	.0006252	.0007854	.003859	2.345
%RSD	3.794019	36.56503	.4345525	17.97916	2.963719	2.224597	.2168747

#1	.0081434	-.002541	1821.057	.0028507	.0258939	-.174460	1083.738
#2	.0084764	-.001859	1836.420	.0041010	.0262217	-.176746	1081.257
#3	.0087859	-.001180	1832.299	.0034799	.0273882	-.169219	1079.051

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.085804	1635.199	.0211655	.0041472	2020.359	.0462322	.1601771
Stddev	.001287	7.221	.0016876	.0011686	31.048	.0016664	.0011999
%RSD	1.500309	.4416162	7.973487	28.17894	1.536760	3.604300	.7490928

#1	-.086106	1634.895	.0229097	.0050217	2049.888	.0479577	.1614600
#2	-.084393	1628.135	.0195408	.0045999	2023.203	.0446321	.1599890
#3	-.086914	1642.568	.0210461	.0028199	1987.987	.0461067	.1590824

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1289.933	.6363715	.0049753	.0057992	-.039172	.1582150	.0661289
Stddev	22.943	.0052068	.0020959	.0020104	.000393	.0158470	.0083992
%RSD	1.778637	.8182041	42.12520	34.66611	1.002421	10.01610	12.70131

#1	1278.228	.6409009	.0073451	.0051361	-.039185	.1748940	.0618086
#2	1316.367	.6375308	.0033655	.0042041	-.039557	.1563934	.0607692
#3	1275.202	.6306827	.0042153	.0080573	-.038772	.1433575	.0758090

Sample Name: LR1 Acquired: 2/18/2025 15:57:09 Type: Unk
Method: NON EPA-6010-200.7(v2707) 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	-.251822	-.284864	-1.07006
Stddev	.007053	.002238	.00240
%RSD	2.800664	.7858051	.2243679
#1	-.256733	-.282924	-1.07253
#2	-.243741	-.287313	-1.06990
#3	-.254992	-.284356	-1.06774

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1793.442	38463.08	8872.231	1141.548	2329.331
Stddev	2.986	74.17	47.884	3.597	3.053
%RSD	.1665157	.1928388	.5397075	.3151334	.1310840
#1	1793.011	38545.04	8913.025	1141.929	2331.547
#2	1796.621	38400.58	8884.157	1137.775	2330.599
#3	1790.695	38443.61	8819.511	1144.939	2325.848

Sample Name: LR2 Acquired: 2/18/2025 16:02:08 Type: Unk
Method: NON EPA-6010-200.7(v2707) 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	.0089604	-.024667	248.2719	.0053983	-.003834	.1585369	107.3256
Stddev	.0033583	.001232	.7751	.0046593	.002374	.0045076	.6440
%RSD	37.47942	4.995497	.3122044	86.30956	61.90628	2.843269	.6000069

#1	.0097786	-.023476	248.2572	.0079854	-.003511	.1533959	107.4554
#2	.0052686	-.024590	247.5043	.0081900	-.006352	.1618120	107.8947
#3	.0118341	-.025937	249.0543	.0000196	-.001638	.1604028	106.6266

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002624	-.004936	.1764353	.0113057	-.017278	244.8289	.0080672
Stddev	.000090	.000146	.0042774	.0000472	.000449	1.3039	.0044624
%RSD	3.431857	2.967036	2.424326	.4172932	2.598280	.5325574	55.31590

#1	-.002614	-.004903	.1715947	.0113490	-.017659	246.0869	.0036297
#2	-.002540	-.004810	.1780057	.0113127	-.017393	243.4836	.0080176
#3	-.002719	-.005097	.1797055	.0112555	-.016783	244.9162	.0125542

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.91010	-.043679	50.21994	.0038204	.2992862	-.015012	32.61928
Stddev	.37535	.014993	.05476	.0004422	.0067649	.001779	.22914
%RSD	.8747305	34.32567	.1090338	11.57609	2.260347	11.85013	.7024768

#1	42.70061	-.035420	50.25521	.0039715	.2935065	-.016959	32.39446
#2	42.68626	-.060986	50.15686	.0041672	.2976253	-.014605	32.61088
#3	43.34343	-.034632	50.24776	.0033224	.3067269	-.013471	32.85251

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3263219	-.006207	-.008264	-.004379	-.037486	-.003285	2.493122
Stddev	.0247378	.000214	.000505	.000782	.000458	.006619	.033956
%RSD	7.580787	3.447800	6.105035	17.86579	1.221356	201.5161	1.361978

#1	.3470497	-.006440	-.008398	-.003951	-.036963	-.002927	2.486152
#2	.2989367	-.006161	-.008688	-.005282	-.037675	-.010076	2.463192
#3	.3329793	-.006019	-.007706	-.003904	-.037818	.003149	2.530022

Sample Name: LR2 Acquired: 2/18/2025 16:02:08 Type: Unk
Method: NON EPA-6010-200.7(v2707) 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	-.020155	-.001539	.0013987
Stddev	.002973	.001299	.0000328
%RSD	14.74944	84.39600	2.347576

#1	-.019118	-.002933	.0013660
#2	-.023507	-.000361	.0014317
#3	-.017840	-.001324	.0013983

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2398.212	56948.24	11085.15	1707.312	4063.251
Stddev	1.676	88.27	61.75	1.744	5.352
%RSD	.0699048	.1549917	.5570419	.1021305	.1317171

#1	2398.455	56923.13	11139.40	1708.624	4059.030
#2	2399.754	57046.34	11017.95	1705.334	4069.271
#3	2396.427	56875.25	11098.10	1707.979	4061.453

Sample Name: CCV05 Acquired: 2/18/2025 16:06:50 Type: Unk
Method: NON EPA-6010-200.7(v2521) 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	4.891362	4.850113	4.787682	4.932590	4.946942	9.433913	9.723273
Stddev	.031294	.014063	.019066	.033241	.038715	.018020	.078756
%RSD	.6397757	.2899580	.3982336	.6739141	.7826146	.1910179	.8099716

#1	4.860680	4.839040	4.770295	4.902482	4.911782	9.454555	9.646324
#2	4.890174	4.845362	4.784681	4.927025	4.940609	9.425863	9.803719
#3	4.923233	4.865936	4.808071	4.968263	4.988433	9.421320	9.719776

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2294791	2.386492	23.29547	.9569814	2.398581	1.238011	4.828315
Stddev	.0004468	.009051	.02281	.0061761	.010378	.006245	.016881
%RSD	.1946941	.3792515	.0979146	.6453739	.4326800	.5044412	.3496190

#1	.2291023	2.378170	23.31047	.9520698	2.389629	1.232227	4.821359
#2	.2299727	2.385178	23.26922	.9549592	2.396157	1.237173	4.816023
#3	.2293625	2.396128	23.30672	.9639151	2.409956	1.244633	4.847562

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.321406	22.70077	2.402356	1.206633	24.68764	2.344179	2.356097
Stddev	.001675	.11057	.009210	.004472	.10284	.004966	.013315
%RSD	.0721359	.4870870	.3833604	.3705874	.4165468	.2118272	.5651115

#1	2.323171	22.58763	2.393623	1.202057	24.66573	2.346832	2.344064
#2	2.319839	22.70612	2.401468	1.206850	24.59752	2.338450	2.353824
#3	2.321208	22.80858	2.411978	1.210992	24.79966	2.347254	2.370401

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.53749	4.621483	4.897599	4.783596	4.702526	4.833278	4.822147
Stddev	.13717	.018721	.027284	.013882	.010570	.029345	.017568
%RSD	.5590130	.4050826	.5570898	.2902061	.2247672	.6071543	.3643218

#1	24.48867	4.622349	4.873625	4.775946	4.713474	4.809968	4.810456
#2	24.43142	4.639756	4.891885	4.775222	4.701725	4.823634	4.813636
#3	24.69239	4.602344	4.927288	4.799620	4.692380	4.866231	4.842350

Sample Name: CCV05 Acquired: 2/18/2025 16:06:50 Type: Unk
 Method: NON EPA-6010-200.7(v2521) 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	4.819143	4.737848	4.793566
Stddev	.023223	.009004	.049285
%RSD	.4818889	.1900342	1.028143
#1	4.804456	4.746332	4.818711
#2	4.807057	4.738810	4.736780
#3	4.845917	4.728402	4.825206

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2641.387	56968.00	10535.11	1742.677	3924.794
Stddev	12.659	264.59	12.40	12.999	11.532
%RSD	.4792432	.4644511	.1177358	.7459052	.2938283
#1	2653.682	57109.72	10527.35	1748.963	3936.752
#2	2642.085	57131.54	10528.57	1751.338	3923.887
#3	2628.394	56662.74	10549.42	1727.730	3913.741

Sample Name: CCB05 Acquired: 2/18/2025 16:11:01 Type: Unk
Method: NON EPA-6010-200.7(v2521) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005287	-.003239	.0010168	-.000555	-.001384	.0004823	-.004667
Stddev	.0005409	.000748	.0007433	.001062	.000858	.0063095	.000672
%RSD	102.3088	23.09874	73.10368	191.2347	61.98612	1308.271	14.40553

#1	.0000056	-.002929	.0016052	.000048	-.000407	.0001651	-.005384
#2	.0010858	-.002696	.0001814	.000068	-.001729	-.005663	-.004565
#3	.0004948	-.004093	.0012639	-.001782	-.002016	.006944	-.004051

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000121	-.000018	-.008287	.0002245	.0000409	.0009617	.0072065
Stddev	.0000382	.000035	.006277	.0001206	.0000571	.0002897	.0016115
%RSD	315.2184	194.2565	75.74864	53.69472	139.5063	30.11892	22.36186

#1	.0000507	.000012	-.002853	.0000916	.0000655	.0012432	.0090031
#2	.0000112	-.000056	-.015159	.0002551	.0000816	.0006645	.0058886
#3	-.000026	-.000010	-.006850	.0003268	-.000024	.0009775	.0067276

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007007	.0095610	.0000836	.0001756	.1603000	-.001414	-.000934
Stddev	.0001568	.0061249	.0005021	.0000991	.0097682	.001294	.000141
%RSD	22.37925	64.06076	600.3473	56.44797	6.093694	91.53052	15.12814

#1	.0008519	.0029980	-.000234	.0000915	.1574051	-.001290	-.000844
#2	.0005388	.0105603	.000663	.0001504	.1523064	-.002766	-.000860
#3	.0007113	.0151248	-.000177	.0002848	.1711884	-.000186	-.001096

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1477404	-.001334	-.000183	-.000564	.0001363	.0036158	.0008678
Stddev	.0032092	.000027	.000110	.000112	.0004348	.0050339	.0013241
%RSD	2.172197	2.055288	59.90778	19.88852	319.0847	139.2206	152.5835

#1	.1462337	-.001313	-.000087	-.000685	-.000348	.0042648	-.000444
#2	.1514257	-.001324	-.000303	-.000463	.000493	.0082937	.002204
#3	.1455618	-.001365	-.000160	-.000543	.000264	-.001711	.000844

Sample Name: CCB05 Acquired: 2/18/2025 16:11:01 Type: Unk
 Method: NON EPA-6010-200.7(v2521) Mode: CONC Corr. Factor: 1.000000
 User: Kareem Custom ID1: CCB05 Custom ID2: Custom ID3:
 Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002351	.0008897	.0000175
Stddev	.000484	.0003232	.0000438
%RSD	20.57295	36.32908	250.0331
#1	-.002019	.0010444	-.000014
#2	-.002129	.0005182	-.000001
#3	-.002906	.0011065	.000068

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2755.333	58830.78	11271.02	1802.170	4368.859
Stddev	6.153	103.19	43.11	.441	11.580
%RSD	.2233192	.1753965	.3824891	.0244971	.2650483
#1	2749.814	58713.26	11224.15	1802.662	4362.348
#2	2761.968	58906.55	11279.96	1801.809	4382.229
#3	2754.219	58872.53	11308.97	1802.039	4362.001

LB134671

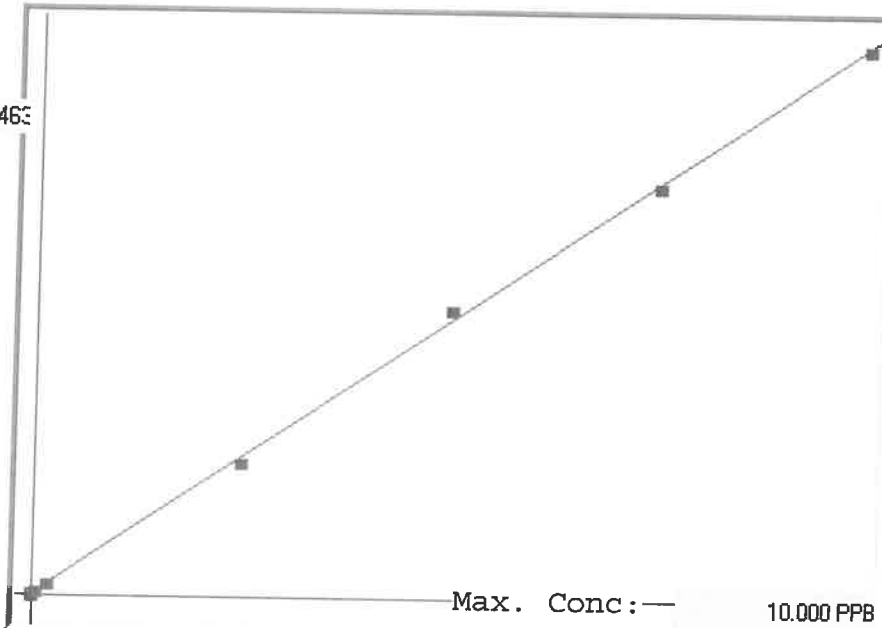
245.1

INSTRUMENT ID: CV1

Linear

μ Abs.:

37463



A= 0.0000e+000

B= 2.6679e-004

C= -3.2611e-002

Rho= 0.9997364

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	$\sigma/21)$
0.0	0.000	0.000	0.000	123	0.000	123					-
0.05	0.050	0.043	-0.007	285	0.0 %	285					-14
0.2	0.200	0.198	-0.002	865	0.0 %	865	0				-1
2.5	2.500	2.406	-0.094	9142	0.0 %	9142					-4
5.0	5.000	5.194	0.194	19591	0.0 %	19591					4
7.5	7.500	7.446	-0.054	28031	0.0 %	28031					-1
10.0	10.000	9.962	-0.038	37463	0.0 %	37463					0

LB134671 INSTRUMENT ID : CV1

Method: 245.1

Operator: Admin

Date of Analysis: 11 Feb 2025 14:53:35

Sample ID	Extended ID	μ Abs.	Conc.	Std Conc	Method	Units	Date	Type	Type
0.0 - 1	50	123	-	0.0000	245.1	PPB	11 Feb 2025 15:00:02	S	Std
0.05 - 1	50.05	285	-	0.0500	245.1	PPB	11 Feb 2025 15:02:19	S	Std
0.2 - 1	50.2	865	-	0.2000	245.1	PPB	11 Feb 2025 15:04:36	S	Std
2.5 - 1	52.5	9142	-	2.5000	245.1	PPB	11 Feb 2025 15:06:53	S	Std
5.0 - 1	55	19591	-	5.0000	245.1	PPB	11 Feb 2025 15:09:10	S	Std
7.5 - 1	59.5	28031	-	7.5000	245.1	PPB	11 Feb 2025 15:11:26	S	Std
10.0 - 1	510	37463	-	10.0000	245.1	PPB	11 Feb 2025 15:13:45	S	Std
ICV96 - 1	ICV96	14545	3.8478	-245.1		PPB	11 Feb 2025 15:17:18	U	SMPL
ICB96 - 1	ICB96	-55	-0.0473	-245.1		PPB	11 Feb 2025 15:19:33	U	SMPL
CCV56 - 1	CCV56	19756	5.2381	-245.1		PPB	11 Feb 2025 15:21:50	U	SMPL
CCB56 - 1	CCB56	-164	-0.0764	-245.1		PPB	11 Feb 2025 15:24:05	U	SMPL
CRA - 1	CRA	330	0.0554	-245.1		PPB	11 Feb 2025 15:28:58	U	SMPL
HighStd - 1	HighStd	38522	10.2446	-245.1		PPB	11 Feb 2025 15:31:12	U	SMPL
ChkStd - 1	ChkStd	26155	6.9452	-245.1		PPB	11 Feb 2025 15:33:28	U	SMPL
PB166684BL - 1	PBW	76	-0.0123	-245.1		PPB	11 Feb 2025 15:35:46	U	SMPL
Q1300-02 - 1	COMP	455	0.0888	-245.1		PPB	11 Feb 2025 15:47:46	U	SMPL
Q1322-01 - 1	MANHOLE	28	-0.0251	-245.1		PPB	11 Feb 2025 15:50:03	U	SMPL
Q1322-01DUP - 1	MANHOLEDUP	171	0.0130	-245.1		PPB	11 Feb 2025 15:52:20	U	SMPL
Q1322-01MS - 1	MANHOLEMS	13426	3.5493	-245.1		PPB	11 Feb 2025 15:57:34	U	SMPL
CCV57 - 1	CCV57	18914	5.0134	-245.1		PPB	11 Feb 2025 15:59:49	U	SMPL
CCB57 - 1	CCB57	-131	-0.0676	-245.1		PPB	11 Feb 2025 16:02:05	U	SMPL
Q1322-01MSD - 1	MANHOLEMSD	14313	3.7859	-245.1		PPB	11 Feb 2025 16:04:23	U	SMPL
Q1172-05 - 1	PT-HG-WS	29881	7.9393	-245.1		PPB	11 Feb 2025 16:06:39	U	SMPL
Q1322-01LX5 - 1		-482	-0.1612	-245.1		PPB	11 Feb 2025 16:13:35	U	SMPL
Q1322-01A - 1		14626	3.8694	-245.1		PPB	11 Feb 2025 16:15:53	U	SMPL
PB166684BS - 1	LCSW	14190	3.7531	-245.1		PPB	11 Feb 2025 16:18:10	U	SMPL
CCV58 - 1	CCV58	19510	5.1724	-245.1		PPB	11 Feb 2025 16:20:28	U	SMPL
CCB58 - 1	CCB58	-137	-0.0692	-245.1		PPB	11 Feb 2025 16:22:46	U	SMPL

SOP ID : M200.7-Trace Elements-22

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 02/17/2025 Time : 09:00 Temp : 96 °C

End Digest Date: 02/17/2025 Time : 12:10 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *SLB*

Supervisor Signature: *JP*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6002
LFS-2	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
1:1 HNO3	1.00	MP84041
1:1 HCL	0.50	MP84297
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 : 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/17/25 13:10	<i>SLB.mct d19</i>	<i>JP 1/24 d19</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB166737BL	PBW737	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB166737BS	LCS737	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	2
Q1322-01	MANHOLE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q1322-01MS	MANHOLEMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	5
Q1322-01MSD	MANHOLEMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	6
Q1322-01DUP	MANHOLEDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4

Worklist Name: PB166737

Worklist ID : 187733

Department : Digestion

Date : 02-17-2025 08:08:21

2

Date/Time

02/17/25

38

Raw Sample Received by:

5/22 met. dig

Raw Sample Relinquished by:

25

Page 1 of 1

Date/Time

02/17/25

09:30

Raw Sample Received by:

Raw Sample Relinquished by:

Spartan

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134671

Review By	jaswal	Review On	2/11/2025 10:37:57 PM
Supervise By	Mohan	Supervise On	2/12/2025 11:24:41 AM

STD. NAME	STD REF.#
ICAL Standard	MP84450,MP84451,MP84452,MP84453,MP84454,MP84456,MP84457
ICV Standard	MP84458
CCV Standard	MP84460
ICSA Standard	
CRI Standard	MP84462
LCS Standard	
Chk Standard	MP84459,MP84461,MP84463,MP84447

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	02/11/25 15:00		Mohan	OK
2	S0.05	S0.05	CAL2	02/11/25 15:02		Mohan	OK
3	S0.2	S0.2	CAL3	02/11/25 15:04		Mohan	OK
4	S2.5	S2.5	CAL4	02/11/25 15:06		Mohan	OK
5	S5	S5	CAL5	02/11/25 15:09		Mohan	OK
6	S7.5	S7.5	CAL6	02/11/25 15:11		Mohan	OK
7	S10	S10	CAL7	02/11/25 15:13		Mohan	OK
8	ICV96	ICV96	ICV	02/11/25 15:17		Mohan	OK
9	ICB96	ICB96	ICB	02/11/25 15:19		Mohan	OK
10	CCV56	CCV56	CCV	02/11/25 15:21		Mohan	OK
11	CCB56	CCB56	CCB	02/11/25 15:24		Mohan	OK
12	CRA	CRA	CRDL	02/11/25 15:28		Mohan	OK
13	HighStd	HighStd	HIGH STD	02/11/25 15:31		Mohan	OK
14	ChkStd	ChkStd	SAM	02/11/25 15:33		Mohan	OK
15	PB166684BL	PB166684BL	MB	02/11/25 15:35		Mohan	OK
16	Q1300-02	COMP	SAM	02/11/25 15:47		Mohan	OK
17	Q1322-01	MANHOLE	SAM	02/11/25 15:50		Mohan	OK
18	Q1322-01DUP	MANHOLEDUP	DUP	02/11/25 15:52		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134671

Review By	jaswal	Review On	2/11/2025 10:37:57 PM
Supervise By	Mohan	Supervise On	2/12/2025 11:24:41 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84450,MP84451,MP84452,MP84453,MP84454,MP84456,MP84457		
ICV Standard	MP84458		
CCV Standard	MP84460		
ICSA Standard			
CRI Standard	MP84462		
LCS Standard			
Chk Standard	MP84459,MP84461,MP84463,MP84447		

19	Q1322-01MS	MANHOLEMS	MS	02/11/25 15:57		Mohan	OK
20	CCV57	CCV57	CCV	02/11/25 15:59		Mohan	OK
21	CCB57	CCB57	CCB	02/11/25 16:02		Mohan	OK
22	Q1322-01MSD	MANHOLEMSD	MSD	02/11/25 16:04		Mohan	OK
23	Q1172-05	PT-HG-WS	SAM	02/11/25 16:06		Mohan	OK
24	Q1322-01L	MANHOLEL	SD	02/11/25 16:13		Mohan	OK
25	Q1322-01A	MANHOLEA	PS	02/11/25 16:15		Mohan	OK
26	PB166684BS	PB166684BS	LCS	02/11/25 16:18		Mohan	OK
27	CCV58	CCV58	CCV	02/11/25 16:20		Mohan	OK
28	CCB58	CCB58	CCB	02/11/25 16:22		Mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134743

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	02/18/25 11:19		Kareem	OK
2	S1	S1	CAL2	02/18/25 11:24		Kareem	OK
3	S2	S2	CAL3	02/18/25 11:28		Kareem	OK
4	S3	S3	CAL4	02/18/25 11:32		Kareem	OK
5	S4	S4	CAL5	02/18/25 11:37		Kareem	OK
6	S5	S5	CAL6	02/18/25 11:41		Kareem	OK
7	ICV01	ICV01	ICV	02/18/25 11:58		Kareem	OK
8	LLICV01	LLICV01	LLICV	02/18/25 12:10		Kareem	OK
9	ICB01	ICB01	ICB	02/18/25 12:14		Kareem	OK
10	CRI01	CRI01	CRDL	02/18/25 12:18		Kareem	OK
11	ICSA01	ICSA01	ICSA	02/18/25 12:23		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	02/18/25 12:29		Kareem	OK
13	ICSADL	ICSADL	ICSA	02/18/25 12:33		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	02/18/25 12:37		Kareem	OK
15	CCV01	CCV01	CCV	02/18/25 12:41		Kareem	OK
16	CCB01	CCB01	CCB	02/18/25 12:45		Kareem	OK
17	Q1322-01	MANHOLE	SAM	02/18/25 12:50		Kareem	OK
18	Q1322-01DUP	MANHOLEDUP	DUP	02/18/25 12:54		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134743

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	Q1322-01L	MANHOLEL	SD	02/18/25 12:59		Kareem	OK
20	Q1322-01MS	MANHOLEMS	MS	02/18/25 13:03		Kareem	OK
21	Q1322-01MSD	MANHOLEMSD	MSD	02/18/25 13:07		Kareem	OK
22	Q1322-01A	MANHOLEA	PS	02/18/25 13:11		Kareem	OK
23	PB166737BL	PB166737BL	MB	02/18/25 13:15		Kareem	OK
24	PB166737BS	PB166737BS	LCS	02/18/25 13:20		Kareem	OK
25	Q1366-01	HD-01-2132025	SAM	02/18/25 13:24		Kareem	OK
26	Q1366-01DUP	HD-01-2132025DUP	DUP	02/18/25 13:28		Kareem	OK
27	CCV02	CCV02	CCV	02/18/25 13:32		Kareem	OK
28	CCB02	CCB02	CCB	02/18/25 13:36		Kareem	OK
29	Q1366-01L	HD-01-2132025L	SD	02/18/25 13:41		Kareem	OK
30	Q1366-01MS	HD-01-2132025MS	MS	02/18/25 13:45		Kareem	OK
31	Q1366-01MSD	HD-01-2132025MSD	MSD	02/18/25 13:49		Kareem	OK
32	Q1366-01A	HD-01-2132025A	PS	02/18/25 13:53		Kareem	OK
33	PB166731BL	PB166731BL	MB	02/18/25 13:58		Kareem	OK
34	PB166731BS	PB166731BS	LCS	02/18/25 14:02		Kareem	OK
35	Q1172-03	PT-MIN-WS	SAM	02/18/25 14:06		Kareem	OK
36	Q1172-06	PT-SIO2-WS	SAM	02/18/25 14:10		Kareem	OK
37	Q1372-01	AU-05-021425	SAM	02/18/25 14:15		Kareem	OK
38	Q1374-01	TR-05-02142025	SAM	02/18/25 14:19		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134743

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	02/18/25 14:23		Kareem	OK
40	CCB03	CCB03	CCB	02/18/25 14:27		Kareem	OK
41	Q1374-01DUP	TR-05-02142025DUP	DUP	02/18/25 14:32		Kareem	OK
42	Q1374-01L	TR-05-02142025L	SD	02/18/25 14:36		Kareem	OK
43	Q1374-01MS	TR-05-02142025MS	MS	02/18/25 14:40		Kareem	OK
44	Q1374-01MSD	TR-05-02142025MSD	MSD	02/18/25 14:44		Kareem	OK
45	Q1374-01A	TR-05-02142025A	PS	02/18/25 14:48		Kareem	OK
46	PB166747BL	PB166747BL	MB	02/18/25 14:52		Kareem	OK
47	PB166747BS	PB166747BS	LCS	02/18/25 15:01		Kareem	OK
48	PB166735TB	PB166735TB	MB	02/18/25 15:05		Kareem	OK
49	Q1373-01	VB27161	SAM	02/18/25 15:10		Kareem	OK
50	Q1373-02	VDR25992	SAM	02/18/25 15:14		Kareem	OK
51	CCV04	CCV04	CCV	02/18/25 15:19		Kareem	OK
52	CCB04	CCB04	CCB	02/18/25 15:23		Kareem	OK
53	Q1373-02DUP	VDR25992DUP	DUP	02/18/25 15:27		Kareem	OK
54	Q1373-02L	VDR25992L	SD	02/18/25 15:32		Kareem	OK
55	Q1373-02MS	VDR25992MS	MS	02/18/25 15:36		Kareem	OK
56	Q1373-02MSD	VDR25992MSD	MSD	02/18/25 15:40		Kareem	OK
57	Q1373-02A	VDR25992A	PS	02/18/25 15:44		Kareem	OK
58	PB166757BL	PB166757BL	MB	02/18/25 15:48		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB134743

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	

59	PB166757BS	PB166757BS	LCS	02/18/25 15:53		Kareem	OK
60	LR1	LR1	HIGH STD	02/18/25 15:57		Kareem	OK
61	LR2	LR2	HIGH STD	02/18/25 16:02		Kareem	OK
62	CCV05	CCV05	CCV	02/18/25 16:06		Kareem	OK
63	CCB05	CCB05	CCB	02/18/25 16:11		Kareem	OK

Prep Standard - Chemical Standard Summary

Order ID : Q1322

Test : Mercury, Metals ICP-Group1

Prepbatch ID : PB166684, PB166737,

Sequence ID/Qc Batch ID: LB134671, LB134743,

Standard ID :

MP84041, MP84297, MP84447, MP84449, MP84450, MP84451, MP84452, MP84453, MP84454, MP84456, MP84457, MP84458, MP84459, MP84460, MP84461, MP84462, MP84463,

Chemical ID :

M5062, M5532, M5882, M6002, M6011, M6121, M6126, W3112,

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
169	1:1HNO3	MP84041	01/14/2025	07/14/2025	Eman Mughal	None	None	Sarabjit Jaswal
								01/16/2025

FROM 1250.00000ml of M6126 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
170	1:1HCL	MP84297	01/31/2025	02/28/2025	Eman Mughal	None	None	Sarabjit Jaswal
								01/31/2025

FROM 1250.00000ml of M6121 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
68	STANNOUS CHLORIDE SOLUTION	MP84447	02/11/2025	02/12/2025	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Janvi Patel
02/12/2025								

FROM 450.00000ml of W3112 + 50.00000gram of M5882 + 50.00000ml of M6121 = Final Quantity: 500.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
871	MERCURY INTERMEDIATE B 250PPB WORKING STD.	MP84449	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Janvi Patel
02/12/2025								

FROM 1.00000ml of M6126 + 2.50000ml of M5062 + 96.50000ml of W3112 = Final Quantity: 100.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1340	Hg 0.00 PPB STD	MP84450	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Janvi Patel 02/12/2025
FROM 2.50000ml of M6126 + 247.50000ml of W3112 = Final Quantity: 250.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2750	Hg 0.05ppb	MP84451	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Janvi Patel 02/12/2025
<u>FROM</u>	2.50000ml of M6126 + 247.45000ml of W3112 + 0.05000ml of MP84449 = Final Quantity: 250.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1341	Hg 0.2 PPB STD	MP84452	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Janvi Patel
FROM 2.50000ml of M6126 + 247.30000ml of W3112 + 0.20000ml of MP84449 = Final Quantity: 250.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1342	Hg 2.5 PPB STD	MP84453	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Janvi Patel
FROM 2.50000ml of M6126 + 245.00000ml of W3112 + 2.50000ml of MP84449 = Final Quantity: 250.000 ml A)								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1343	Hg 5.0 PPB STD	MP84454	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Janvi Patel
FROM 2.50000ml of M6126 + 242.50000ml of W3112 + 5.00000ml of MP84449 = Final Quantity: 250.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1344	Hg 7.5 PPB STD	MP84456	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Janvi Patel
FROM 2.50000ml of M6126 + 240.00000ml of W3112 + 7.50000ml of MP84449 = Final Quantity: 250.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1345	Hg 10.0 PPB STD	MP84457	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Janvi Patel
FROM 2.50000ml of M6126 + 237.50000ml of W3112 + 10.00000ml of MP84449 = Final Quantity: 250.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1346	Hg ICV SOLUTION	MP84458	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Janvi Patel 02/12/2025
<u>FROM</u>	2.50000ml of M5532 + 2.50000ml of M6126 + 245.00000ml of W3112 = Final Quantity: 250.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1351	ICB (Hg 0.00 PPB SOLUTION)	MP84459	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Janvi Patel 02/12/2025
FROM 2.50000ml of M6126 + 247.50000ml of W3112 = Final Quantity: 250.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1358	CCV (Hg 5.0 PPB SOLUTION)	MP84460	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Janvi Patel 02/12/2025
FROM 485.00000ml of W3112 + 5.00000ml of M6126 + 10.00000ml of MP84449 = Final Quantity: 500.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1352	CCB (Hg 0.00 PPB SOLUTION)	MP84461	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Janvi Patel
FROM 495.00000ml of W3112 + 5.00000ml of M6126 = Final Quantity: 500.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1349	CRA/CRI (Hg 0.2 PPB SOLUTION)	MP84462	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Janvi Patel 02/12/2025
<u>FROM</u>	2.50000ml of M6126 + 247.30000ml of W3112 + 0.20000ml of MP84449 = Final Quantity: 250.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1350	CHK STD (Hg 7.0 PPB SOLUTION)	MP84463	02/11/2025	02/12/2025	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Janvi Patel 02/12/2025
FROM 2.50000ml of M6126 + 240.50000ml of W3112 + 7.00000ml of MP84449 = Final Quantity: 250.000 ml 								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	MSHG-10PPM / MERCURY HCl 125mL 10ug/mL	S2-HG709270	09/22/2026	05/28/2022 / mohan	01/27/2022 / mohan	M5062

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-5 / ICV (HG) STOCK SOLN	ICV5-0415	02/28/2025	01/02/2025 /	03/30/2023 / mohan	M5532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3980-01 / Stannous Chloride (cs/4x500g)	232820	08/31/2028	04/30/2024 / mohan	04/25/2024 / mohan	M5882

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-1 / Laboratory Fortified Stock Solution 1, 125 ml	T2-MEB723367	07/14/2025	01/14/2025 / Eman	05/14/2024 / Jaswal	M6002

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-2 / Laboratory Fortified Stock Solution 2, 125 ml	U2-MEB731108	07/14/2025	01/14/2025 / Eman	05/14/2024 / Jaswal	M6011

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	06/03/2025	12/03/2024 / Janvi	11/12/2024 / Janvi	M6126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

M5882
 M3

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	T142	Quality Test / Release Date	08/17/2023
Lot Number	232820		
Description	STANNOUS CHLORIDE, DIHYDRATE CERTIFIED ACS (Suitable for Mercury Determination)		
Country of Origin	United States	Suggested Retest Date	Aug/2028
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear crystals
ASSAY	%	Inclusive Between 98 - 103	100.65
CALCIUM	%	<= 0.005	0.0017
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	%	<= 0.003	0.0011
LEAD (Pb)	%	<= 0.01	0.0006
MERCURY (Hg)	ppm	<= 0.05	<0.05
POTASSIUM (K)	%	<= 0.005	0.0001
SODIUM (Na)	%	<= 0.01	<0.01
SOLUBILITY IN HCL	PASS/FAIL	= PASS TEST	PASS TEST
SULFATE (SO4)	PASS/FAIL	= P.T. (ABOUT 0.003%)	P.T. (ABOUT 0.003%)



Harout Sahagian - Quality Control Supervisor - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.



Refine your results. Redefine your industry. RD:05/14/2024

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030

F: 540-585-3012

info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

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



2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	WW-LFS-1
Lot Number:	T2-MEB723367
Matrix:	5% (v/v) HNO ₃

Value / Analyte(s):	1 000 µg/mL ea:	
	Potassium,	
	600 µg/mL ea:	
	Phosphorus,	
	300 µg/mL ea:	
	Sodium,	Iron,
	200 µg/mL ea:	
	Magnesium,	Aluminum,
	Cerium,	Selenium,
	Thallium,	
	100 µg/mL ea:	
	Lead,	Calcium,
	80 µg/mL ea:	
	Arsenic,	
	70 µg/mL ea:	
	Mercury,	
	50 µg/mL ea:	
	Nickel,	
	40 µg/mL ea:	
	Chromium,	
	30 µg/mL ea:	
	Copper,	Boron,
	Vanadium,	
	20 µg/mL ea:	
	Zinc,	Strontium,
	Barium,	Beryllium,
	Cadmium,	Cobalt,
	Manganese,	Lithium,
	7.5 µg/mL ea:	
	Silver	

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	200.0 ± 0.7 µg/mL	Arsenic, As	80.0 ± 0.7 µg/mL
Barium, Ba	20.00 ± 0.09 µg/mL	Beryllium, Be	20.00 ± 0.13 µg/mL
Boron, B	30.00 ± 0.18 µg/mL	Cadmium, Cd	20.00 ± 0.09 µg/mL
Calcium, Ca	100.0 ± 0.4 µg/mL	Cerium, Ce	200.0 ± 0.8 µg/mL
Chromium, Cr	40.00 ± 0.30 µg/mL	Cobalt, Co	20.00 ± 0.10 µg/mL
Copper, Cu	30.00 ± 0.13 µg/mL	Iron, Fe	300.0 ± 1.3 µg/mL
Lead, Pb	100.0 ± 0.4 µg/mL	Lithium, Li	20.00 ± 0.08 µg/mL
Magnesium, Mg	200.0 ± 0.8 µg/mL	Manganese, Mn	20.00 ± 0.08 µg/mL
Mercury, Hg	70.0 ± 0.3 µg/mL	Nickel, Ni	50.00 ± 0.22 µg/mL
Phosphorus, P	600.0 ± 2.7 µg/mL	Potassium, K	1 000 ± 4 µg/mL
Selenium, Se	200.0 ± 1.3 µg/mL	Silver, Ag	7.50 ± 0.03 µg/mL
Sodium, Na	300.0 ± 1.4 µg/mL	Strontium, Sr	20.01 ± 0.08 µg/mL
Thallium, Tl	200.0 ± 1.4 µg/mL	Vanadium, V	30.00 ± 0.13 µg/mL
Zinc, Zn	20.00 ± 0.09 µg/mL		

Density: 1.034 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
B	ICP Assay	3107	190605
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Ce	ICP Assay	3110	090504
Ce	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Hg	ICP Assay	3133	160921
Hg	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Tl	ICP Assay	3158	151215
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

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

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

k = coverage factor = 2

$u_{\text{char}} = [\sum ((w_i)^2 (u_{\text{char } i}^2))]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

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

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; info@inorganicventures.com; inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

August 30, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- August 30, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director





Refine your results. Redefine your industry.

RD:05/14/2024

Certificate of Analysis

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1.0 ACCREDITATION / REGISTRATION

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



2.0 PRODUCT DESCRIPTION

Product Code: Multi Analyte Custom Grade Solution
Catalog Number: WW-LFS-2
Lot Number: U2-MEB731108
Matrix: 5% (v/v) HNO₃
tr. HF
Value / Analyte(s):
200 µg/mL ea:
Silica,
80 µg/mL ea:
Antimony,
70 µg/mL ea:
Tin,
40 µg/mL ea:
Molybdenum,
20 µg/mL ea:
Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	80.1 ± 0.6 µg/mL	Molybdenum, Mo	40.03 ± 0.18 µg/mL
Silica, SiO ₂	200.2 ± 1.3 µg/mL	Tin, Sn	70.0 ± 0.4 µg/mL
Titanium, Ti	20.01 ± 0.13 µg/mL		

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Mo	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
SiO ₂	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925
Ti	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

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

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

k = coverage factor = 2

$u_{\text{char}} = [\sum (w_i)^2 (u_{\text{char } i}^2)]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ITS} = long term stability standard uncertainty (storage)

u_{TS} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

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

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ITS} = long term stability standard uncertainty (storage)

u_{TS} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, <https://www.inorganicventures.com/terms-and-conditions-sale>. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; info@inorganicventures.com;

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 17, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **March 17, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



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1.0 ACCREDITATION / REGISTRATION

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



2.0 PRODUCT DESCRIPTION

Product Code: Single Analyte Mass Spec Solution
 Catalog Number: MSHG-10PPM
 Lot Number: S2-HG709270
 Matrix: 10% (v/v) HCl
 Value / Analyte(s): 10 µg/mL ea:
 Mercury
 Starting Material: Hg metal
 Starting Material Lot#: 1959
 Starting Material Purity: 99.9994%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10.001 ± 0.053 µg/mL
Density: 1.020 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Hg	ICP Assay	3133	160921
Hg	EDTA	928	928
Hg	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{CRM/RM} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{char i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

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

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

k = coverage factor = 2

$u_{char} = [\sum ((w_i)^2 (u_{char i}^2))]^{1/2}$ where $u_{char i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$$X_{CRM/RM} = (X_a) (u_{char a})$$

X_a = mean of Assay Method A with

$u_{char a}$ = the standard uncertainty of characterization Method A

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

k = coverage factor = 2

$u_{char a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Ag	0.000011	M	Eu	<	0.000201	O	Na	0.000004	M	Se	<	0.015915	O	Zn	<	0.001510
O	Al	0.000001	O	Fe	0.000001	M	Nb	<	0.000201	O	Si	0.000005	M	Zr	<	0.000201	
M	As	<	0.000402	M	Ga	<	0.000201	M	Nd	<	0.000201	M	Sm	<	0.000201		
M	Au	<	0.003631	M	Gd	<	0.000201	M	Ni	<	0.000402	M	Sn	<	0.001007		
M	B	<	0.001208	M	Ge	<	0.000201	M	Os	<	0.000605	M	Sr	<	0.000201		
M	Ba	<	0.000201	M	Hf	<	0.000201	O	P	<	0.032370	M	Ta	<	0.000201		
M	Be	<	0.000201	s	Hg	<		M	Pb	<	0.000201	M	Tb	<	0.000201		
M	Bi	<	0.000201	M	Ho	<	0.000201	M	Pd	<	0.000403	M	Te	<	0.002216		
O	Ca	0.000007	M	In	<	0.000201	M	Pr	<	0.000201	M	Th	<	0.000201			
M	Cd	<	0.000201	M	Ir	<	0.000201	M	Pt	<	0.000402	M	Ti	<	0.000402		
M	Ce	<	0.000201	O	K	0.000020	M	Rb	<	0.000201	O	Tl	<	0.016508			
M	Co	<	0.000201	M	La	<	0.000201	M	Re	<	0.000201	M	Tm	<	0.000201		
O	Cr	<	0.003021	O	Li	<	0.000107	M	Rh	<	0.000201	M	U	<	0.008058		
M	Cs	<	0.001208	M	Lu	<	0.000201	M	Ru	<	0.000201	M	V	<	0.000201		
M	Cu	<	0.000402	O	Mg	0.000001	O	S	<	0.053950	M	W	<	0.000604			
M	Dy	<	0.000201	M	Mn	<	0.000604	M	Sb	<	0.001208	M	Y	<	0.000201		
M	Er	<	0.000201	M	Mo	0.000009	M	Sc	<	0.000201	M	Yb	<	0.000201			

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 200.59 +2 4 Hg(OH)(aq) 1+

Chemical Compatibility - Stable in HNO₃. Avoid basic media forming insoluble carbonate. The sulfide, basic carbonate, oxalate, phosphate, arsenite, arsenate and iodide are insoluble in water.

Stability - 2-100 ppb levels not stable in 1% HNO₃ / LDPE container, stable in 10% HNO₃ packaged in borosilicate glass. 1-100 ppm levels stable in 7% HNO₃ packaged in borosilicate glass. 1000-10,000 ppm solutions are chemically stable for years in 5-10% HNO₃ / LDPE container.

Hg Containing Samples (Preparation and Solution) - Metal (soluble in HNO₃); Oxide (Soluble in HNO₃); Ores and Organic based (The literature has more references to the preparation of Hg containing samples than any other element. Please consult the literature for your specific sample type, since such preparations are prone to error. Or e-mail our technical staff and we will contact you to discuss your particular sample preparation questions in further detail.).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 202 amu	9 ppt	n/a	186W16O
ICP-OES 184.950 nm	0.03 / 0.005 µg/mL	1	
ICP-OES 194.227 nm	0.03 / 0.005 µg/mL	1	V
ICP-OES 253.652 nm	0.1 / 0.03 µg/mL	1	Ta, Co, Th ,Rh , Fe, U

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va, 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 22, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **September 22, 2026**

- The date after which this CRM/RM should not be used.
- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director





QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
"An ISO 9001:2015 Certified Program"

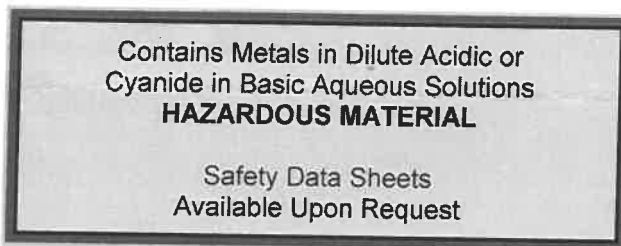
Instructions for QATS Reference Material: *Inorganic ICV Solutions*

QATS LABORATORY INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICV1, ICV5, AND ICV6)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.



(A) SAMPLE DESCRIPTION

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) BREAKAGE OR MISSING ITEMS

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) ANALYSIS OF SAMPLES

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in $\mu\text{g/L}$ (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.





QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
"An ISO 9001:2015 Certified Program"

Instructions for QATS Reference Material: *Inorganic ICV Solutions*

ICV1-1014 For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) K₂Cr₂O₇ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from K₃Fe(CN)₆, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS

ICV1-1014		
Element	Concentration (µg/L) (after 10-fold dilution)	Concentration (µg/L) (after 50-fold dilution)
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	Concentration (µg/L) (after 100-fold dilution)	Analyte	Concentration (µg/L) (after 100-fold dilution)
Hg	4.0	CN ⁻	99

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



R → 16/13/24
Met dig

M 6121

Material No.: 9530-33
Batch No.: 0000275677
Manufactured Date: 2020/12/16
Retest Date: 2025/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.190
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	29.7
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000275677

Test	Specification	Result
Trace Impurities – Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	< 1
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 1.0 ppb	0.2
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

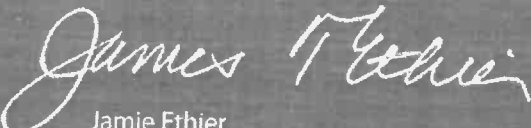
Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier

Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Nitric Acid 69%
CMOS



R → 11/12/24

M6126

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO ₃)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO ₄)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO ₄)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

 **avantor**TM



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

Test	Specification	Result
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For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Spectra East inc
ADDRESS: 8 King Road
CITY: Rockleigh STATE: NJ ZIP: 07647
ATTENTION: Jacob Valeich
PHONE: 201-767-7070 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: outfall 001-Orangetown
PROJECT NO.: D.S permit 2025 LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1. Oil & Grease + Mynal
2. Phenolics
3. SVOC
4. PCB
5. Pesticides
6. NH4-N
7. BOD5
8. TSS
9. VOC →

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Manhole	W	✓		2-6-25	1055	19	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2.																	PH 8.22
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME: <u>1150</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.16</u> °C
1. <u>[Signature]</u>	DATE/TIME: <u>2-6-25</u>	1. <u>[Signature]</u>	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <u>[Signature]</u>		2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER:	DATE/TIME: <u>1830</u>	RECEIVED BY:	
3. <u>[Signature]</u>	DATE/TIME: <u>2-6-25</u>	3. <u>[Signature]</u>	

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Spectra East Inc.

ADDRESS: 8 King Road

CITY: Rockleigh STATE: NJ ZIP: 07647

ATTENTION: Jacob Valeich

PHONE: 201-767-7070 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Outfall 001-0mngz+bwn Dis permit 2025

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*

HARDCOPY (DATA PACKAGE): DAYS*

EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)

☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP

☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B

+ Raw Data) ☐ Other

☐ EDD FORMAT

Metals
Cyanide
Cyanide-Ammonia
COD
Ammonia
LL Hg

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Manhole	W	✓		2-6-25	1055	19	✓	✓	✓	✓	✓	✓	✓			
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME: 1150 2-6-25	RECEIVED BY: [Signature] 1150 2-6-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
1.			Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.			
RELINQUISHED BY SAMPLER:	DATE/TIME: 1830 2-6-25	RECEIVED BY:	
3.			

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1322	SPEC01	Order Date : 2/6/2025 1:17:00 PM	Project Mgr :
Client Name : Spectra East Inc.		Project Name : Outfall 001 - Orangetown E	Report Type : Level 2
Client Contact : Jacob Valeich		Receive DateTime : 2/6/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Spectra East Inc.		Purchase Order : 18:30	Hard Copy Date :
Invoice Contact : Jacob Valeich			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1322-01	MANHOLE	Water	02/06/2025	10:55	VOCMS Group1		624.1	10 Bus. Days	

Relinquished By :

Date / Time : 2-7-25 10:23

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room