

Cover Page

Order ID : P4997

Project ID : Industrial Wastewater Discharge Permit - Fall 2024

Client : New York City DEP of Environmental Protection/BWS

Lab Sample Number

P4997-01
P4997-02
P4997-03
P4997-04
P4997-05
P4997-06
P4997-07

Client Sample Number

14B-1
14B-2
14B-3
14B-4
P4997-04MS
P4997-04MSD
14B-(1-4)-COMP

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: 12/10/2024

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 #: P4997

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: PRADIP PRAJAPATI

Date: 12/10/2024

LAB CHRONICLE

OrderID:	P4997	OrderDate:	11/25/2024 1:27:00 PM
Client:	New York City DEP of Environmental Protection/BWS	Project:	Industrial Wastewater Discharge Permit - Fall 2024
Contact:	Nicholas Prokopowicz	Location:	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4997-07	14B-(1-4)-COMP	Water			11/25/24			11/25/24
			Mercury	245.1		12/02/24	12/02/24	
			Metals ICP-Group1	200.7		11/27/24	12/06/24	

Hit Summary Sheet SW-846

SDG No.: P4997

Order ID: P4997

Client: New York City DEP of Environmental Protection/BW

Project ID: Industrial Wastewater Discharge Permit - F:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 14B-(1-4)-COMP								
P4997-07	14B-(1-4)-COMP	Water	Aluminum	772000		10.6	50.0	ug/L
P4997-07	14B-(1-4)-COMP	Water	Arsenic	78.5		2.84	10.0	ug/L
P4997-07	14B-(1-4)-COMP	Water	Barium	605		11.3	50.0	ug/L
P4997-07	14B-(1-4)-COMP	Water	Cadmium	3.19		0.21	3.00	ug/L
P4997-07	14B-(1-4)-COMP	Water	Calcium	35600		51.8	1000	ug/L
P4997-07	14B-(1-4)-COMP	Water	Chromium	22.3		0.52	5.00	ug/L
P4997-07	14B-(1-4)-COMP	Water	Cobalt	9.42	J	0.88	15.0	ug/L
P4997-07	14B-(1-4)-COMP	Water	Copper	591		1.52	10.0	ug/L
P4997-07	14B-(1-4)-COMP	Water	Iron	37500		12.4	50.0	ug/L
P4997-07	14B-(1-4)-COMP	Water	Lead	27.2		1.57	6.00	ug/L
P4997-07	14B-(1-4)-COMP	Water	Magnesium	8640		61.2	1000	ug/L
P4997-07	14B-(1-4)-COMP	Water	Manganese	22100		0.87	10.0	ug/L
P4997-07	14B-(1-4)-COMP	Water	Mercury	1.25		0.022	0.20	ug/L
P4997-07	14B-(1-4)-COMP	Water	Nickel	22.9		1.28	20.0	ug/L
P4997-07	14B-(1-4)-COMP	Water	Potassium	3340		281	1000	ug/L
P4997-07	14B-(1-4)-COMP	Water	Selenium	7.02	J	3.07	10.0	ug/L
P4997-07	14B-(1-4)-COMP	Water	Silver	2.68	J	0.83	5.00	ug/L
P4997-07	14B-(1-4)-COMP	Water	Sodium	35700		448	1000	ug/L
P4997-07	14B-(1-4)-COMP	Water	Vanadium	36.8		2.40	20.0	ug/L
P4997-07	14B-(1-4)-COMP	Water	Zinc	148		1.44	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/25/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/25/24
Client Sample ID:	14B-(1-4)-COMP	SDG No.:	P4997
Lab Sample ID:	P4997-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	772000		1	10.6	50.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-36-0	Antimony	2.96	U	1	2.96	25.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-38-2	Arsenic	78.5		1	2.84	10.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-39-3	Barium	605		1	11.3	50.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-41-7	Beryllium	0.19	U	1	0.19	3.00	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-43-9	Cadmium	3.19		1	0.21	3.00	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-70-2	Calcium	35600		1	51.8	1000	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-47-3	Chromium	22.3		1	0.52	5.00	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-48-4	Cobalt	9.42	J	1	0.88	15.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-50-8	Copper	591	N	1	1.52	10.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7439-89-6	Iron	37500		1	12.4	50.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7439-92-1	Lead	27.2		1	1.57	6.00	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7439-95-4	Magnesium	8640		1	61.2	1000	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7439-96-5	Manganese	22100		1	0.87	10.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7439-97-6	Mercury	1.25	N	1	0.022	0.20	ug/L	12/02/24 11:18	12/02/24 14:07	E245.1	
7440-02-0	Nickel	22.9		1	1.28	20.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-09-7	Potassium	3340		1	281	1000	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7782-49-2	Selenium	7.02	J	1	3.07	10.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-22-4	Silver	2.68	J	1	0.83	5.00	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-23-5	Sodium	35700		1	448	1000	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-28-0	Thallium	2.21	U	1	2.21	20.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-62-2	Vanadium	36.8		1	2.40	20.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	
7440-66-6	Zinc	148		1	1.44	20.0	ug/L	11/27/24 08:40	12/06/24 13:47	EPA 200.7	

Color Before:	Black	Clarity Before:	Clear	Texture:
Color After:	Yellow	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: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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
ICV107	Mercury	3.89	4.0	97	95 - 105	CV	12/02/2024	13:43	LB133684

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

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
CCV69	Mercury	5.09	5.0	102	90 - 110	CV	12/02/2024	13:48	LB133684
CCV70	Mercury	4.79	5.0	96	90 - 110	CV	12/02/2024	14:18	LB133684
CCV71	Mercury	4.88	5.0	98	90 - 110	CV	12/02/2024	14:28	LB133684

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2570	2500	103	95 - 105	P	12/06/2024	12:14	LB133790
	Antimony	1020	1000	102	95 - 105	P	12/06/2024	12:14	LB133790
	Arsenic	995	1000	100	95 - 105	P	12/06/2024	12:14	LB133790
	Barium	516	520	99	95 - 105	P	12/06/2024	12:14	LB133790
	Beryllium	518	510	102	95 - 105	P	12/06/2024	12:14	LB133790
	Cadmium	503	510	99	95 - 105	P	12/06/2024	12:14	LB133790
	Calcium	10100	10000	101	95 - 105	P	12/06/2024	12:14	LB133790
	Chromium	526	520	101	95 - 105	P	12/06/2024	12:14	LB133790
	Cobalt	512	520	98	95 - 105	P	12/06/2024	12:14	LB133790
	Copper	528	510	104	95 - 105	P	12/06/2024	12:14	LB133790
	Iron	9870	10000	99	95 - 105	P	12/06/2024	12:14	LB133790
	Lead	1000	1000	100	95 - 105	P	12/06/2024	12:14	LB133790
	Magnesium	5930	6000	99	95 - 105	P	12/06/2024	12:14	LB133790
	Manganese	521	520	100	95 - 105	P	12/06/2024	12:14	LB133790
	Nickel	514	530	97	95 - 105	P	12/06/2024	12:14	LB133790
	Potassium	9770	9900	99	95 - 105	P	12/06/2024	12:14	LB133790
	Selenium	1030	1000	103	95 - 105	P	12/06/2024	12:14	LB133790
	Silver	253	250	101	95 - 105	P	12/06/2024	12:14	LB133790
	Sodium	9550	10000	96	95 - 105	P	12/06/2024	12:14	LB133790
	Thallium	1040	1000	104	95 - 105	P	12/06/2024	12:14	LB133790
	Vanadium	513	500	102	95 - 105	P	12/06/2024	12:14	LB133790
	Zinc	1030	1000	103	95 - 105	P	12/06/2024	12:14	LB133790

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	105	100	105	80 - 120	P	12/06/2024	12:20	LB133790
	Antimony	51.1	50.0	102	80 - 120	P	12/06/2024	12:20	LB133790
	Arsenic	19.8	20.0	99	80 - 120	P	12/06/2024	12:20	LB133790
	Barium	96.9	100	97	80 - 120	P	12/06/2024	12:20	LB133790
	Beryllium	6.20	6.0	103	80 - 120	P	12/06/2024	12:20	LB133790
	Cadmium	5.98	6.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Calcium	2050	2000	102	80 - 120	P	12/06/2024	12:20	LB133790
	Chromium	10.0	10.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Cobalt	29.5	30.0	98	80 - 120	P	12/06/2024	12:20	LB133790
	Copper	22.1	20.0	111	80 - 120	P	12/06/2024	12:20	LB133790
	Iron	98.1	100	98	80 - 120	P	12/06/2024	12:20	LB133790
	Lead	10.5	12.0	88	80 - 120	P	12/06/2024	12:20	LB133790
	Magnesium	2140	2000	107	80 - 120	P	12/06/2024	12:20	LB133790
	Manganese	20.6	20.0	103	80 - 120	P	12/06/2024	12:20	LB133790
	Nickel	39.5	40.0	99	80 - 120	P	12/06/2024	12:20	LB133790
	Potassium	1890	2000	95	80 - 120	P	12/06/2024	12:20	LB133790
	Selenium	18.0	20.0	90	80 - 120	P	12/06/2024	12:20	LB133790
	Silver	10.6	10.0	106	80 - 120	P	12/06/2024	12:20	LB133790
	Sodium	1810	2000	90	80 - 120	P	12/06/2024	12:20	LB133790
	Thallium	40.1	40.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Vanadium	39.8	40.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Zinc	42.2	40.0	105	80 - 120	P	12/06/2024	12:20	LB133790

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10000	10000	100	90 - 110	P	12/06/2024	13:09	LB133790
	Antimony	4950	5000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Arsenic	5010	5000	100	90 - 110	P	12/06/2024	13:09	LB133790
	Barium	9800	10000	98	90 - 110	P	12/06/2024	13:09	LB133790
	Beryllium	249	250	100	90 - 110	P	12/06/2024	13:09	LB133790
	Cadmium	2520	2500	101	90 - 110	P	12/06/2024	13:09	LB133790
	Calcium	24700	25000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Chromium	1020	1000	102	90 - 110	P	12/06/2024	13:09	LB133790
	Cobalt	2510	2500	100	90 - 110	P	12/06/2024	13:09	LB133790
	Copper	1280	1250	102	90 - 110	P	12/06/2024	13:09	LB133790
	Iron	4940	5000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Lead	5020	5000	100	90 - 110	P	12/06/2024	13:09	LB133790
	Magnesium	24800	25000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Manganese	2440	2500	98	90 - 110	P	12/06/2024	13:09	LB133790
	Nickel	2510	2500	100	90 - 110	P	12/06/2024	13:09	LB133790
	Potassium	24700	25000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Selenium	5060	5000	101	90 - 110	P	12/06/2024	13:09	LB133790
	Silver	1250	1250	100	90 - 110	P	12/06/2024	13:09	LB133790
	Sodium	24300	25000	97	90 - 110	P	12/06/2024	13:09	LB133790
	Thallium	5050	5000	101	90 - 110	P	12/06/2024	13:09	LB133790
	Vanadium	2500	2500	100	90 - 110	P	12/06/2024	13:09	LB133790
	Zinc	2550	2500	102	90 - 110	P	12/06/2024	13:09	LB133790
CCV02	Aluminum	9810	10000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Antimony	4850	5000	97	90 - 110	P	12/06/2024	13:38	LB133790
	Arsenic	4880	5000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Barium	9400	10000	94	90 - 110	P	12/06/2024	13:38	LB133790
	Beryllium	244	250	98	90 - 110	P	12/06/2024	13:38	LB133790
	Cadmium	2460	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Calcium	24200	25000	97	90 - 110	P	12/06/2024	13:38	LB133790
	Chromium	1010	1000	101	90 - 110	P	12/06/2024	13:38	LB133790
	Cobalt	2450	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Copper	1250	1250	100	90 - 110	P	12/06/2024	13:38	LB133790
	Iron	4810	5000	96	90 - 110	P	12/06/2024	13:38	LB133790
	Lead	4900	5000	98	90 - 110	P	12/06/2024	13:38	LB133790

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24400	25000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Manganese	2360	2500	95	90 - 110	P	12/06/2024	13:38	LB133790
	Nickel	2450	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Potassium	23900	25000	96	90 - 110	P	12/06/2024	13:38	LB133790
	Selenium	4940	5000	99	90 - 110	P	12/06/2024	13:38	LB133790
	Silver	1230	1250	98	90 - 110	P	12/06/2024	13:38	LB133790
	Sodium	23500	25000	94	90 - 110	P	12/06/2024	13:38	LB133790
	Thallium	4910	5000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Vanadium	2440	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Zinc	2500	2500	100	90 - 110	P	12/06/2024	13:38	LB133790
CCV03	Aluminum	9820	10000	98	90 - 110	P	12/06/2024	14:42	LB133790
	Antimony	4780	5000	96	90 - 110	P	12/06/2024	14:42	LB133790
	Arsenic	4820	5000	96	90 - 110	P	12/06/2024	14:42	LB133790
	Barium	9370	10000	94	90 - 110	P	12/06/2024	14:42	LB133790
	Beryllium	245	250	98	90 - 110	P	12/06/2024	14:42	LB133790
	Cadmium	2450	2500	98	90 - 110	P	12/06/2024	14:42	LB133790
	Calcium	24200	25000	97	90 - 110	P	12/06/2024	14:42	LB133790
	Chromium	1000	1000	100	90 - 110	P	12/06/2024	14:42	LB133790
	Cobalt	2430	2500	97	90 - 110	P	12/06/2024	14:42	LB133790
	Copper	1230	1250	99	90 - 110	P	12/06/2024	14:42	LB133790
	Iron	4770	5000	95	90 - 110	P	12/06/2024	14:42	LB133790
	Lead	4880	5000	98	90 - 110	P	12/06/2024	14:42	LB133790
	Magnesium	24300	25000	97	90 - 110	P	12/06/2024	14:42	LB133790
	Manganese	2360	2500	94	90 - 110	P	12/06/2024	14:42	LB133790
	Nickel	2440	2500	98	90 - 110	P	12/06/2024	14:42	LB133790
	Potassium	23300	25000	93	90 - 110	P	12/06/2024	14:42	LB133790
	Selenium	4870	5000	97	90 - 110	P	12/06/2024	14:42	LB133790
	Silver	1210	1250	97	90 - 110	P	12/06/2024	14:42	LB133790
	Sodium	24900	25000	100	90 - 110	P	12/06/2024	14:42	LB133790
	Thallium	4850	5000	97	90 - 110	P	12/06/2024	14:42	LB133790
CCV04	Vanadium	2450	2500	98	90 - 110	P	12/06/2024	14:42	LB133790
	Zinc	2470	2500	99	90 - 110	P	12/06/2024	14:42	LB133790
	Aluminum	9820	10000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Antimony	4780	5000	96	90 - 110	P	12/06/2024	15:40	LB133790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4870	5000	97	90 - 110	P	12/06/2024	15:40	LB133790
	Barium	9560	10000	96	90 - 110	P	12/06/2024	15:40	LB133790
	Beryllium	250	250	100	90 - 110	P	12/06/2024	15:40	LB133790
	Cadmium	2500	2500	100	90 - 110	P	12/06/2024	15:40	LB133790
	Calcium	24600	25000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Chromium	1020	1000	102	90 - 110	P	12/06/2024	15:40	LB133790
	Cobalt	2480	2500	99	90 - 110	P	12/06/2024	15:40	LB133790
	Copper	1240	1250	100	90 - 110	P	12/06/2024	15:40	LB133790
	Iron	4880	5000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Lead	4960	5000	99	90 - 110	P	12/06/2024	15:40	LB133790
	Magnesium	24800	25000	99	90 - 110	P	12/06/2024	15:40	LB133790
	Manganese	2420	2500	97	90 - 110	P	12/06/2024	15:40	LB133790
	Nickel	2480	2500	99	90 - 110	P	12/06/2024	15:40	LB133790
	Potassium	23500	25000	94	90 - 110	P	12/06/2024	15:40	LB133790
	Selenium	4910	5000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Silver	1230	1250	98	90 - 110	P	12/06/2024	15:40	LB133790
	Sodium	25600	25000	102	90 - 110	P	12/06/2024	15:40	LB133790
	Thallium	4910	5000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Vanadium	2480	2500	99	90 - 110	P	12/06/2024	15:40	LB133790
	Zinc	2430	2500	97	90 - 110	P	12/06/2024	15:40	LB133790
CCV05	Aluminum	9800	10000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Antimony	4730	5000	95	90 - 110	P	12/06/2024	16:35	LB133790
	Arsenic	4810	5000	96	90 - 110	P	12/06/2024	16:35	LB133790
	Barium	9510	10000	95	90 - 110	P	12/06/2024	16:35	LB133790
	Beryllium	250	250	100	90 - 110	P	12/06/2024	16:35	LB133790
	Cadmium	2460	2500	98	90 - 110	P	12/06/2024	16:35	LB133790
	Calcium	24500	25000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Chromium	1010	1000	100	90 - 110	P	12/06/2024	16:35	LB133790
	Cobalt	2440	2500	98	90 - 110	P	12/06/2024	16:35	LB133790
	Copper	1230	1250	99	90 - 110	P	12/06/2024	16:35	LB133790
	Iron	4850	5000	97	90 - 110	P	12/06/2024	16:35	LB133790
	Lead	4890	5000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Magnesium	24500	25000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Manganese	2420	2500	97	90 - 110	P	12/06/2024	16:35	LB133790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2450	2500	98	90 - 110	P	12/06/2024	16:35	LB133790
	Potassium	23200	25000	93	90 - 110	P	12/06/2024	16:35	LB133790
	Selenium	4850	5000	97	90 - 110	P	12/06/2024	16:35	LB133790
	Silver	1220	1250	98	90 - 110	P	12/06/2024	16:35	LB133790
	Sodium	25300	25000	101	90 - 110	P	12/06/2024	16:35	LB133790
	Thallium	4820	5000	96	90 - 110	P	12/06/2024	16:35	LB133790
	Vanadium	2470	2500	99	90 - 110	P	12/06/2024	16:35	LB133790
	Zinc	2380	2500	95	90 - 110	P	12/06/2024	16:35	LB133790
CCV06	Aluminum	9980	10000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Antimony	4840	5000	97	90 - 110	P	12/06/2024	17:27	LB133790
	Arsenic	4950	5000	99	90 - 110	P	12/06/2024	17:27	LB133790
	Barium	9680	10000	97	90 - 110	P	12/06/2024	17:27	LB133790
	Beryllium	253	250	101	90 - 110	P	12/06/2024	17:27	LB133790
	Cadmium	2540	2500	102	90 - 110	P	12/06/2024	17:27	LB133790
	Calcium	24900	25000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Chromium	1030	1000	103	90 - 110	P	12/06/2024	17:27	LB133790
	Cobalt	2510	2500	100	90 - 110	P	12/06/2024	17:27	LB133790
	Copper	1260	1250	101	90 - 110	P	12/06/2024	17:27	LB133790
	Iron	4910	5000	98	90 - 110	P	12/06/2024	17:27	LB133790
	Lead	5020	5000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Magnesium	25000	25000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Manganese	2440	2500	98	90 - 110	P	12/06/2024	17:27	LB133790
	Nickel	2520	2500	101	90 - 110	P	12/06/2024	17:27	LB133790
	Potassium	23700	25000	95	90 - 110	P	12/06/2024	17:27	LB133790
	Selenium	5000	5000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Silver	1250	1250	100	90 - 110	P	12/06/2024	17:27	LB133790
	Sodium	22500	25000	90	90 - 110	P	12/06/2024	17:27	LB133790
	Thallium	4930	5000	99	90 - 110	P	12/06/2024	17:27	LB133790
	Vanadium	2520	2500	101	90 - 110	P	12/06/2024	17:27	LB133790
	Zinc	2480	2500	99	90 - 110	P	12/06/2024	17:27	LB133790
CCV07	Aluminum	9730	10000	97	90 - 110	P	12/06/2024	18:21	LB133790
	Antimony	4710	5000	94	90 - 110	P	12/06/2024	18:21	LB133790
	Arsenic	4810	5000	96	90 - 110	P	12/06/2024	18:21	LB133790
	Barium	9300	10000	93	90 - 110	P	12/06/2024	18:21	LB133790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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
CCV07	Beryllium	251	250	101	90 - 110	P	12/06/2024	18:21	LB133790
	Cadmium	2490	2500	100	90 - 110	P	12/06/2024	18:21	LB133790
	Calcium	24400	25000	98	90 - 110	P	12/06/2024	18:21	LB133790
	Chromium	1010	1000	101	90 - 110	P	12/06/2024	18:21	LB133790
	Cobalt	2470	2500	99	90 - 110	P	12/06/2024	18:21	LB133790
	Copper	1230	1250	99	90 - 110	P	12/06/2024	18:21	LB133790
	Iron	4760	5000	95	90 - 110	P	12/06/2024	18:21	LB133790
	Lead	4930	5000	99	90 - 110	P	12/06/2024	18:21	LB133790
	Magnesium	24500	25000	98	90 - 110	P	12/06/2024	18:21	LB133790
	Manganese	2400	2500	96	90 - 110	P	12/06/2024	18:21	LB133790
	Nickel	2470	2500	99	90 - 110	P	12/06/2024	18:21	LB133790
	Potassium	22800	25000	91	90 - 110	P	12/06/2024	18:21	LB133790
	Selenium	4860	5000	97	90 - 110	P	12/06/2024	18:21	LB133790
	Silver	1220	1250	98	90 - 110	P	12/06/2024	18:21	LB133790
	Sodium	26000	25000	104	90 - 110	P	12/06/2024	18:21	LB133790
	Thallium	4870	5000	97	90 - 110	P	12/06/2024	18:21	LB133790
	Vanadium	2460	2500	98	90 - 110	P	12/06/2024	18:21	LB133790
	Zinc	2440	2500	98	90 - 110	P	12/06/2024	18:21	LB133790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2490	2500	100	95 - 105	P	12/09/2024	11:35	LB133834
	Antimony	980	1000	98	95 - 105	P	12/09/2024	11:35	LB133834
	Arsenic	955	1000	96	95 - 105	P	12/09/2024	11:35	LB133834
	Barium	508	520	98	95 - 105	P	12/09/2024	11:35	LB133834
	Beryllium	525	510	103	95 - 105	P	12/09/2024	11:35	LB133834
	Cadmium	494	510	97	95 - 105	P	12/09/2024	11:35	LB133834
	Calcium	10100	10000	101	95 - 105	P	12/09/2024	11:35	LB133834
	Chromium	517	520	99	95 - 105	P	12/09/2024	11:35	LB133834
	Cobalt	500	520	96	95 - 105	P	12/09/2024	11:35	LB133834
	Copper	508	510	100	95 - 105	P	12/09/2024	11:35	LB133834
	Iron	9630	10000	96	95 - 105	P	12/09/2024	11:35	LB133834
	Lead	971	1000	97	95 - 105	P	12/09/2024	11:35	LB133834
	Magnesium	5940	6000	99	95 - 105	P	12/09/2024	11:35	LB133834
	Manganese	520	520	100	95 - 105	P	12/09/2024	11:35	LB133834
	Nickel	550	530	104	95 - 105	P	12/09/2024	11:35	LB133834
	Potassium	10200	9900	103	95 - 105	P	12/09/2024	11:35	LB133834
	Selenium	975	1000	98	95 - 105	P	12/09/2024	11:35	LB133834
	Silver	248	250	99	95 - 105	P	12/09/2024	11:35	LB133834
	Sodium	10400	10000	104	95 - 105	P	12/09/2024	11:35	LB133834
	Thallium	1010	1000	101	95 - 105	P	12/09/2024	11:35	LB133834
	Vanadium	506	500	101	95 - 105	P	12/09/2024	11:35	LB133834
	Zinc	999	1000	100	95 - 105	P	12/09/2024	11:35	LB133834

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	107	100	107	80 - 120	P	12/09/2024	11:49	LB133834
	Antimony	50.9	50.0	102	80 - 120	P	12/09/2024	11:49	LB133834
	Arsenic	18.7	20.0	94	80 - 120	P	12/09/2024	11:49	LB133834
	Barium	99.3	100	99	80 - 120	P	12/09/2024	11:49	LB133834
	Beryllium	6.16	6.0	103	80 - 120	P	12/09/2024	11:49	LB133834
	Cadmium	5.91	6.0	98	80 - 120	P	12/09/2024	11:49	LB133834
	Calcium	2130	2000	106	80 - 120	P	12/09/2024	11:49	LB133834
	Chromium	11.3	10.0	113	80 - 120	P	12/09/2024	11:49	LB133834
	Cobalt	29.4	30.0	98	80 - 120	P	12/09/2024	11:49	LB133834
	Copper	22.3	20.0	111	80 - 120	P	12/09/2024	11:49	LB133834
	Iron	93.5	100	94	80 - 120	P	12/09/2024	11:49	LB133834
	Lead	12.3	12.0	102	80 - 120	P	12/09/2024	11:49	LB133834
	Magnesium	2250	2000	112	80 - 120	P	12/09/2024	11:49	LB133834
	Manganese	21.5	20.0	107	80 - 120	P	12/09/2024	11:49	LB133834
	Nickel	39.5	40.0	99	80 - 120	P	12/09/2024	11:49	LB133834
	Potassium	1830	2000	92	80 - 120	P	12/09/2024	11:49	LB133834
	Selenium	21.1	20.0	106	80 - 120	P	12/09/2024	11:49	LB133834
	Silver	9.94	10.0	99	80 - 120	P	12/09/2024	11:49	LB133834
	Sodium	1770	2000	89	80 - 120	P	12/09/2024	11:49	LB133834
	Thallium	39.5	40.0	99	80 - 120	P	12/09/2024	11:49	LB133834
	Vanadium	42.1	40.0	105	80 - 120	P	12/09/2024	11:49	LB133834
	Zinc	42.5	40.0	106	80 - 120	P	12/09/2024	11:49	LB133834

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9760	10000	98	90 - 110	P	12/09/2024	12:29	LB133834
	Antimony	4890	5000	98	90 - 110	P	12/09/2024	12:29	LB133834
	Arsenic	4840	5000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Barium	9640	10000	96	90 - 110	P	12/09/2024	12:29	LB133834
	Beryllium	249	250	100	90 - 110	P	12/09/2024	12:29	LB133834
	Cadmium	2430	2500	97	90 - 110	P	12/09/2024	12:29	LB133834
	Calcium	24300	25000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Chromium	993	1000	99	90 - 110	P	12/09/2024	12:29	LB133834
	Cobalt	2420	2500	97	90 - 110	P	12/09/2024	12:29	LB133834
	Copper	1220	1250	98	90 - 110	P	12/09/2024	12:29	LB133834
	Iron	4760	5000	95	90 - 110	P	12/09/2024	12:29	LB133834
	Lead	4850	5000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Magnesium	24200	25000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Manganese	2390	2500	96	90 - 110	P	12/09/2024	12:29	LB133834
	Nickel	2420	2500	97	90 - 110	P	12/09/2024	12:29	LB133834
	Potassium	24000	25000	96	90 - 110	P	12/09/2024	12:29	LB133834
	Selenium	4880	5000	98	90 - 110	P	12/09/2024	12:29	LB133834
	Silver	1230	1250	98	90 - 110	P	12/09/2024	12:29	LB133834
	Sodium	24000	25000	96	90 - 110	P	12/09/2024	12:29	LB133834
	Thallium	5080	5000	102	90 - 110	P	12/09/2024	12:29	LB133834
	Vanadium	2450	2500	98	90 - 110	P	12/09/2024	12:29	LB133834
	Zinc	2480	2500	99	90 - 110	P	12/09/2024	12:29	LB133834
CCV02	Aluminum	9930	10000	99	90 - 110	P	12/09/2024	13:30	LB133834
	Antimony	5210	5000	104	90 - 110	P	12/09/2024	13:30	LB133834
	Arsenic	5090	5000	102	90 - 110	P	12/09/2024	13:30	LB133834
	Barium	9940	10000	99	90 - 110	P	12/09/2024	13:30	LB133834
	Beryllium	234	250	93	90 - 110	P	12/09/2024	13:30	LB133834
	Cadmium	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Calcium	23600	25000	94	90 - 110	P	12/09/2024	13:30	LB133834
	Chromium	984	1000	98	90 - 110	P	12/09/2024	13:30	LB133834
	Cobalt	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Copper	1280	1250	103	90 - 110	P	12/09/2024	13:30	LB133834
	Iron	4890	5000	98	90 - 110	P	12/09/2024	13:30	LB133834
	Lead	4850	5000	97	90 - 110	P	12/09/2024	13:30	LB133834

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	23400	25000	94	90 - 110	P	12/09/2024	13:30	LB133834
	Manganese	2350	2500	94	90 - 110	P	12/09/2024	13:30	LB133834
	Nickel	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Potassium	25800	25000	103	90 - 110	P	12/09/2024	13:30	LB133834
	Selenium	5240	5000	105	90 - 110	P	12/09/2024	13:30	LB133834
	Silver	1240	1250	100	90 - 110	P	12/09/2024	13:30	LB133834
	Sodium	25600	25000	102	90 - 110	P	12/09/2024	13:30	LB133834
	Thallium	5210	5000	104	90 - 110	P	12/09/2024	13:30	LB133834
	Vanadium	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Zinc	2540	2500	102	90 - 110	P	12/09/2024	13:30	LB133834
CCV03	Aluminum	9740	10000	97	90 - 110	P	12/09/2024	14:23	LB133834
	Antimony	5060	5000	101	90 - 110	P	12/09/2024	14:23	LB133834
	Arsenic	4930	5000	99	90 - 110	P	12/09/2024	14:23	LB133834
	Barium	9920	10000	99	90 - 110	P	12/09/2024	14:23	LB133834
	Beryllium	233	250	93	90 - 110	P	12/09/2024	14:23	LB133834
	Cadmium	2420	2500	97	90 - 110	P	12/09/2024	14:23	LB133834
	Calcium	23500	25000	94	90 - 110	P	12/09/2024	14:23	LB133834
	Chromium	967	1000	97	90 - 110	P	12/09/2024	14:23	LB133834
	Cobalt	2410	2500	96	90 - 110	P	12/09/2024	14:23	LB133834
	Copper	1260	1250	101	90 - 110	P	12/09/2024	14:23	LB133834
	Iron	4870	5000	97	90 - 110	P	12/09/2024	14:23	LB133834
	Lead	4790	5000	96	90 - 110	P	12/09/2024	14:23	LB133834
	Magnesium	23200	25000	93	90 - 110	P	12/09/2024	14:23	LB133834
	Manganese	2360	2500	94	90 - 110	P	12/09/2024	14:23	LB133834
	Nickel	2410	2500	97	90 - 110	P	12/09/2024	14:23	LB133834
	Potassium	25400	25000	102	90 - 110	P	12/09/2024	14:23	LB133834
	Selenium	5010	5000	100	90 - 110	P	12/09/2024	14:23	LB133834
	Silver	1220	1250	98	90 - 110	P	12/09/2024	14:23	LB133834
	Sodium	25900	25000	104	90 - 110	P	12/09/2024	14:23	LB133834
	Thallium	4900	5000	98	90 - 110	P	12/09/2024	14:23	LB133834
	Vanadium	2420	2500	97	90 - 110	P	12/09/2024	14:23	LB133834
	Zinc	2500	2500	100	90 - 110	P	12/09/2024	14:23	LB133834
CCV04	Aluminum	9580	10000	96	90 - 110	P	12/09/2024	15:13	LB133834
	Antimony	4940	5000	99	90 - 110	P	12/09/2024	15:13	LB133834

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4850	5000	97	90 - 110	P	12/09/2024	15:13	LB133834
	Barium	9630	10000	96	90 - 110	P	12/09/2024	15:13	LB133834
	Beryllium	234	250	94	90 - 110	P	12/09/2024	15:13	LB133834
	Cadmium	2370	2500	95	90 - 110	P	12/09/2024	15:13	LB133834
	Calcium	23200	25000	93	90 - 110	P	12/09/2024	15:13	LB133834
	Chromium	952	1000	95	90 - 110	P	12/09/2024	15:13	LB133834
	Cobalt	2360	2500	94	90 - 110	P	12/09/2024	15:13	LB133834
	Copper	1220	1250	98	90 - 110	P	12/09/2024	15:13	LB133834
	Iron	4720	5000	94	90 - 110	P	12/09/2024	15:13	LB133834
	Lead	4720	5000	94	90 - 110	P	12/09/2024	15:13	LB133834
	Magnesium	23000	25000	92	90 - 110	P	12/09/2024	15:13	LB133834
	Manganese	2320	2500	93	90 - 110	P	12/09/2024	15:13	LB133834
	Nickel	2370	2500	95	90 - 110	P	12/09/2024	15:13	LB133834
	Potassium	24300	25000	97	90 - 110	P	12/09/2024	15:13	LB133834
	Selenium	4940	5000	99	90 - 110	P	12/09/2024	15:13	LB133834
	Silver	1200	1250	96	90 - 110	P	12/09/2024	15:13	LB133834
	Sodium	23800	25000	95	90 - 110	P	12/09/2024	15:13	LB133834
	Thallium	5090	5000	102	90 - 110	P	12/09/2024	15:13	LB133834
	Vanadium	2360	2500	95	90 - 110	P	12/09/2024	15:13	LB133834
	Zinc	2410	2500	97	90 - 110	P	12/09/2024	15:13	LB133834
CCV05	Aluminum	9430	10000	94	90 - 110	P	12/09/2024	15:52	LB133834
	Antimony	4930	5000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Arsenic	4810	5000	96	90 - 110	P	12/09/2024	15:52	LB133834
	Barium	9700	10000	97	90 - 110	P	12/09/2024	15:52	LB133834
	Beryllium	229	250	92	90 - 110	P	12/09/2024	15:52	LB133834
	Cadmium	2320	2500	93	90 - 110	P	12/09/2024	15:52	LB133834
	Calcium	22700	25000	91	90 - 110	P	12/09/2024	15:52	LB133834
	Chromium	925	1000	92	90 - 110	P	12/09/2024	15:52	LB133834
	Cobalt	2320	2500	93	90 - 110	P	12/09/2024	15:52	LB133834
	Copper	1220	1250	98	90 - 110	P	12/09/2024	15:52	LB133834
	Iron	4670	5000	93	90 - 110	P	12/09/2024	15:52	LB133834
	Lead	4610	5000	92	90 - 110	P	12/09/2024	15:52	LB133834
	Magnesium	24400	25000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Manganese	2300	2500	92	90 - 110	P	12/09/2024	15:52	LB133834

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2320	2500	93	90 - 110	P	12/09/2024	15:52	LB133834
	Potassium	24400	25000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Selenium	4900	5000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Silver	1180	1250	94	90 - 110	P	12/09/2024	15:52	LB133834
	Sodium	23800	25000	95	90 - 110	P	12/09/2024	15:52	LB133834
	Thallium	4870	5000	97	90 - 110	P	12/09/2024	15:52	LB133834
	Vanadium	2330	2500	93	90 - 110	P	12/09/2024	15:52	LB133834
	Zinc	2350	2500	94	90 - 110	P	12/09/2024	15:52	LB133834



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Metals

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CRDL STANDARD FOR AA & ICP

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

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	0.045	0.05	90	40 - 160	CV	12/02/2024	13:56	LB133684
CRI01	Aluminum	105	100	104	40 - 160	P	12/06/2024	12:28	LB133790
	Antimony	50.1	50.0	100	40 - 160	P	12/06/2024	12:28	LB133790
	Arsenic	20.2	20.0	101	40 - 160	P	12/06/2024	12:28	LB133790
	Barium	97.5	100	98	40 - 160	P	12/06/2024	12:28	LB133790
	Beryllium	6.20	6.0	103	40 - 160	P	12/06/2024	12:28	LB133790
	Cadmium	5.89	6.0	98	40 - 160	P	12/06/2024	12:28	LB133790
	Calcium	2060	2000	103	40 - 160	P	12/06/2024	12:28	LB133790
	Chromium	10.0	10.0	100	40 - 160	P	12/06/2024	12:28	LB133790
	Cobalt	29.5	30.0	98	40 - 160	P	12/06/2024	12:28	LB133790
	Copper	22.0	20.0	110	40 - 160	P	12/06/2024	12:28	LB133790
	Iron	96.6	100	97	40 - 160	P	12/06/2024	12:28	LB133790
	Lead	11.1	12.0	93	40 - 160	P	12/06/2024	12:28	LB133790
	Magnesium	2160	2000	108	40 - 160	P	12/06/2024	12:28	LB133790
	Manganese	21.0	20.0	105	40 - 160	P	12/06/2024	12:28	LB133790
	Nickel	40.0	40.0	100	40 - 160	P	12/06/2024	12:28	LB133790
	Potassium	1910	2000	96	40 - 160	P	12/06/2024	12:28	LB133790
	Selenium	19.8	20.0	99	40 - 160	P	12/06/2024	12:28	LB133790
	Silver	10.3	10.0	103	40 - 160	P	12/06/2024	12:28	LB133790
	Sodium	1810	2000	90	40 - 160	P	12/06/2024	12:28	LB133790
	Thallium	41.4	40.0	104	40 - 160	P	12/06/2024	12:28	LB133790
	Vanadium	40.3	40.0	101	40 - 160	P	12/06/2024	12:28	LB133790
	Zinc	42.4	40.0	106	40 - 160	P	12/06/2024	12:28	LB133790
CRI01	Aluminum	105	100	104	40 - 160	P	12/09/2024	11:59	LB133834
	Antimony	50.2	50.0	100	40 - 160	P	12/09/2024	11:59	LB133834
	Arsenic	20.0	20.0	100	40 - 160	P	12/09/2024	11:59	LB133834
	Barium	96.4	100	96	40 - 160	P	12/09/2024	11:59	LB133834
	Beryllium	6.07	6.0	101	40 - 160	P	12/09/2024	11:59	LB133834
	Cadmium	5.65	6.0	94	40 - 160	P	12/09/2024	11:59	LB133834
	Calcium	2060	2000	103	40 - 160	P	12/09/2024	11:59	LB133834
	Chromium	9.89	10.0	99	40 - 160	P	12/09/2024	11:59	LB133834
	Cobalt	28.6	30.0	95	40 - 160	P	12/09/2024	11:59	LB133834
	Copper	21.8	20.0	109	40 - 160	P	12/09/2024	11:59	LB133834
	Iron	93.6	100	94	40 - 160	P	12/09/2024	11:59	LB133834
	Lead	11.0	12.0	91	40 - 160	P	12/09/2024	11:59	LB133834

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	2160	2000	108	40 - 160	P	12/09/2024	11:59	LB133834
	Manganese	20.5	20.0	103	40 - 160	P	12/09/2024	11:59	LB133834
	Nickel	38.6	40.0	96	40 - 160	P	12/09/2024	11:59	LB133834
	Potassium	1910	2000	96	40 - 160	P	12/09/2024	11:59	LB133834
	Selenium	18.4	20.0	92	40 - 160	P	12/09/2024	11:59	LB133834
	Silver	9.73	10.0	97	40 - 160	P	12/09/2024	11:59	LB133834
	Sodium	1800	2000	90	40 - 160	P	12/09/2024	11:59	LB133834
	Thallium	40.0	40.0	100	40 - 160	P	12/09/2024	11:59	LB133834
	Vanadium	40.0	40.0	100	40 - 160	P	12/09/2024	11:59	LB133834
	Zinc	42.2	40.0	106	40 - 160	P	12/09/2024	11:59	LB133834



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB107	Mercury	0.20	+/-0.20	U	0.20	CV	12/02/2024	13:45	LB133684

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB69	Mercury	0.20	+/-0.20	U	0.20	CV	12/02/2024	13:50	LB133684
CCB70	Mercury	0.20	+/-0.20	U	0.20	CV	12/02/2024	14:21	LB133684
CCB71	Mercury	0.20	+/-0.20	U	0.20	CV	12/02/2024	14:30	LB133684

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	12/06/2024	12:24	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	12:24	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	12:24	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	12:24	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	12:24	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	12:24	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	12:24	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	12:24	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	12:24	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	12:24	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	12:24	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	12:24	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	12:24	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	12:24	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	12:24	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	12:24	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	12:24	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	12:24	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	12:24	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	12:24	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	12:24	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	12:24	LB133790

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	12/06/2024	13:13	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	13:13	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	13:13	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	13:13	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	13:13	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	13:13	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	13:13	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	13:13	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	13:13	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	13:13	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	13:13	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	13:13	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	13:13	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	13:13	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	13:13	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	13:13	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	13:13	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	13:13	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	13:13	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	13:13	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	13:13	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	13:13	LB133790
CCB02	Aluminum	100	+/-100	U	100	P	12/06/2024	13:42	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	13:42	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	13:42	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	13:42	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	13:42	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	13:42	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	13:42	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	13:42	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	13:42	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	13:42	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	13:42	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	13:42	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	13:42	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	13:42	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	13:42	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	13:42	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	13:42	LB133790

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	13:42	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	13:42	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	13:42	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	13:42	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	13:42	LB133790
CCB03	Aluminum	100	+/-100	U	100	P	12/06/2024	14:46	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	14:46	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	14:46	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	14:46	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	14:46	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	14:46	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	14:46	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	14:46	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	14:46	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	14:46	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	14:46	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	14:46	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	14:46	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	14:46	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	14:46	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	14:46	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	14:46	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	14:46	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	14:46	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	14:46	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	14:46	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	14:46	LB133790
CCB04	Aluminum	100	+/-100	U	100	P	12/06/2024	15:44	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	15:44	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	15:44	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	15:44	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	15:44	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	15:44	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	15:44	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	15:44	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	15:44	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	15:44	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	15:44	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	15:44	LB133790

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	15:44	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	15:44	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	15:44	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	15:44	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	15:44	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	15:44	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	15:44	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	15:44	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	15:44	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	15:44	LB133790
CCB05	Aluminum	100	+/-100	U	100	P	12/06/2024	16:39	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	16:39	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	16:39	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	16:39	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	16:39	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	16:39	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	16:39	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	16:39	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	16:39	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	16:39	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	16:39	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	16:39	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	16:39	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	16:39	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	16:39	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	16:39	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	16:39	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	16:39	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	16:39	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	16:39	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	16:39	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	16:39	LB133790
CCB06	Aluminum	100	+/-100	U	100	P	12/06/2024	17:31	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	17:31	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	17:31	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	17:31	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	17:31	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	17:31	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	17:31	LB133790

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	17:31	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	17:31	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	17:31	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	17:31	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	17:31	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	17:31	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	17:31	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	17:31	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	17:31	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	17:31	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	17:31	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	17:31	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	17:31	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	17:31	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	17:31	LB133790
CCB07	Aluminum	100	+/-100	U	100	P	12/06/2024	18:27	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	18:27	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	18:27	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	18:27	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	18:27	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	18:27	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	18:27	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	18:27	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	18:27	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	18:27	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	18:27	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	18:27	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	18:27	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	18:27	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	18:27	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	18:27	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	18:27	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	18:27	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	18:27	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	18:27	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	18:27	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	18:27	LB133790

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	12/09/2024	11:54	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	11:54	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	11:54	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	11:54	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	11:54	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	11:54	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	11:54	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	11:54	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	11:54	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	11:54	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	11:54	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	11:54	LB133834
	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	11:54	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	11:54	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	11:54	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	11:54	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	11:54	LB133834
	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	11:54	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	11:54	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	11:54	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	11:54	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	11:54	LB133834

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	12/09/2024	12:34	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	12:34	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	12:34	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	12:34	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	12:34	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	12:34	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	12:34	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	12:34	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	12:34	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	12:34	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	12:34	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	12:34	LB133834
	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	12:34	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	12:34	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	12:34	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	12:34	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	12:34	LB133834
	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	12:34	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	12:34	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	12:34	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	12:34	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	12:34	LB133834
CCB02	Aluminum	100	+/-100	U	100	P	12/09/2024	13:35	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	13:35	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	13:35	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	13:35	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	13:35	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	13:35	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	13:35	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	13:35	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	13:35	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	13:35	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	13:35	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	13:35	LB133834
	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	13:35	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	13:35	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	13:35	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	13:35	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	13:35	LB133834

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	13:35	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	13:35	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	13:35	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	13:35	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	13:35	LB133834
CCB03	Aluminum	100	+/-100	U	100	P	12/09/2024	14:27	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	14:27	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	14:27	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	14:27	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	14:27	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	14:27	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	14:27	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	14:27	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	14:27	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	14:27	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	14:27	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	14:27	LB133834
	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	14:27	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	14:27	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	14:27	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	14:27	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	14:27	LB133834
	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	14:27	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	14:27	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	14:27	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	14:27	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	14:27	LB133834
CCB04	Aluminum	100	+/-100	U	100	P	12/09/2024	15:17	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	15:17	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	15:17	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	15:17	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	15:17	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	15:17	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	15:17	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	15:17	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	15:17	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	15:17	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	15:17	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	15:17	LB133834

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	15:17	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	15:17	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	15:17	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	15:17	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	15:17	LB133834
	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	15:17	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	15:17	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	15:17	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	15:17	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	15:17	LB133834
CCB05	Aluminum	100	+/-100	U	100	P	12/09/2024	15:56	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	15:56	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	15:56	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	15:56	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	15:56	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	15:56	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	15:56	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	15:56	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	15:56	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	15:56	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	15:56	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	15:56	LB133834
	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	15:56	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	15:56	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	15:56	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	15:56	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	15:56	LB133834
	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	15:56	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	15:56	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	15:56	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	15:56	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	15:56	LB133834

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: New York City DEP of Environmental Protecti

SDG No.: P4997

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165329BL		WATER		Batch Number:	PB165329		Prep Date:	12/02/2024	
	Mercury	0.20	<0.20	U	0.20	CV	12/02/2024	14:02	LB133684

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: New York City DEP of Environmental Protecti

SDG No.: P4997

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165287BL	WATER			Batch Number:	PB165287		Prep Date:	11/27/2024	
	Aluminum	50.0	<50.0	U	50.0	P	12/09/2024	12:46	LB133834
	Antimony	25.0	<25.0	U	25.0	P	12/09/2024	12:46	LB133834
	Arsenic	10.0	<10.0	U	10.0	P	12/09/2024	12:46	LB133834
	Barium	50.0	<50.0	U	50.0	P	12/09/2024	12:46	LB133834
	Beryllium	3.00	<3.00	U	3.00	P	12/09/2024	12:46	LB133834
	Cadmium	3.00	<3.00	U	3.00	P	12/09/2024	12:46	LB133834
	Calcium	1000	<1000	U	1000	P	12/09/2024	12:46	LB133834
	Chromium	5.00	<5.00	U	5.00	P	12/09/2024	12:46	LB133834
	Cobalt	15.0	<15.0	U	15.0	P	12/09/2024	12:46	LB133834
	Copper	10.0	<10.0	U	10.0	P	12/09/2024	12:46	LB133834
	Iron	50.0	<50.0	U	50.0	P	12/09/2024	12:46	LB133834
	Lead	6.00	<6.00	U	6.00	P	12/09/2024	12:46	LB133834
	Magnesium	1000	<1000	U	1000	P	12/09/2024	12:46	LB133834
	Manganese	10.0	<10.0	U	10.0	P	12/09/2024	12:46	LB133834
	Nickel	20.0	<20.0	U	20.0	P	12/09/2024	12:46	LB133834
	Potassium	1000	<1000	U	1000	P	12/09/2024	12:46	LB133834
	Selenium	10.0	<10.0	U	10.0	P	12/09/2024	12:46	LB133834
	Silver	5.00	<5.00	U	5.00	P	12/09/2024	12:46	LB133834
	Sodium	1000	<1000	U	1000	P	12/09/2024	12:46	LB133834
	Thallium	20.0	<20.0	U	20.0	P	12/09/2024	12:46	LB133834
	Vanadium	20.0	<20.0	U	20.0	P	12/09/2024	12:46	LB133834
	Zinc	20.0	<20.0	U	20.0	P	12/09/2024	12:46	LB133834

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: New York City DEP of Environmental Protection/B **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	267000	255000	105	216000	294000	12/06/2024	12:50	LB133790
	Antimony	-2.00			-50	50	12/06/2024	12:50	LB133790
	Arsenic	6.39			-20	20	12/06/2024	12:50	LB133790
	Barium	1.82	6.0	30	-94	106	12/06/2024	12:50	LB133790
	Beryllium	1.48			-6	6	12/06/2024	12:50	LB133790
	Cadmium	4.33	1.0	433	-5	7	12/06/2024	12:50	LB133790
	Calcium	250000	245000	102	208000	282000	12/06/2024	12:50	LB133790
	Chromium	58.3	52.0	112	42	62	12/06/2024	12:50	LB133790
	Cobalt	2.43			-30	30	12/06/2024	12:50	LB133790
	Copper	-0.59	2.0	30	-18	22	12/06/2024	12:50	LB133790
	Iron	101000	101000	100	85600	116500	12/06/2024	12:50	LB133790
	Lead	11.9			-12	12	12/06/2024	12:50	LB133790
	Magnesium	273000	255000	107	216000	294000	12/06/2024	12:50	LB133790
	Manganese	4.87	7.0	70	-13	27	12/06/2024	12:50	LB133790
	Nickel	32.9	2.0	1645	-38	42	12/06/2024	12:50	LB133790
	Potassium	14.1			0	0	12/06/2024	12:50	LB133790
	Selenium	-18.6			-20	20	12/06/2024	12:50	LB133790
	Silver	-1.23			-10	10	12/06/2024	12:50	LB133790
	Sodium	120			0	0	12/06/2024	12:50	LB133790
	Thallium	-2.74			-40	40	12/06/2024	12:50	LB133790
	Vanadium	8.34			-40	40	12/06/2024	12:50	LB133790
	Zinc	-6.25			-40	40	12/06/2024	12:50	LB133790
ICSAB01	Aluminum	264000	247000	107	209000	285000	12/06/2024	12:55	LB133790
	Antimony	608	618	98	525	711	12/06/2024	12:55	LB133790
	Arsenic	106	104	102	88.4	120	12/06/2024	12:55	LB133790
	Barium	501	537	93	437	637	12/06/2024	12:55	LB133790
	Beryllium	507	495	102	420	570	12/06/2024	12:55	LB133790
	Cadmium	1010	972	104	826	1120	12/06/2024	12:55	LB133790
	Calcium	246000	235000	105	199000	271000	12/06/2024	12:55	LB133790
	Chromium	561	542	104	460	624	12/06/2024	12:55	LB133790
	Cobalt	508	476	107	404	548	12/06/2024	12:55	LB133790
	Copper	486	511	95	434	588	12/06/2024	12:55	LB133790
	Iron	99200	99300	100	84400	114500	12/06/2024	12:55	LB133790
	Lead	60.5	49.0	124	37	61	12/06/2024	12:55	LB133790
	Magnesium	268000	248000	108	210000	286000	12/06/2024	12:55	LB133790
	Manganese	495	507	98	430	584	12/06/2024	12:55	LB133790
	Nickel	1030	954	108	810	1100	12/06/2024	12:55	LB133790
	Potassium	-35.5			0	0	12/06/2024	12:55	LB133790
	Selenium	33.1	46.0	72	26	66	12/06/2024	12:55	LB133790
	Silver	196	201	98	170	232	12/06/2024	12:55	LB133790
	Sodium	104			0	0	12/06/2024	12:55	LB133790
	Thallium	81.4	108	75	68	148	12/06/2024	12:55	LB133790

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: New York City DEP of Environmental Protection/B **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	501	491	102	417	565	12/06/2024	12:55	LB133790
	Zinc	942	952	99	809	1095	12/06/2024	12:55	LB133790
ICSA	Aluminum	249000	255000	98	216000	294000	12/06/2024	13:00	LB133790
	Antimony	-7.98			-50	50	12/06/2024	13:00	LB133790
	Arsenic	-32.4			-20	20	12/06/2024	13:00	LB133790
	Barium	-61.5	6.0	1025	-94	106	12/06/2024	13:00	LB133790
	Beryllium	3.42			-6	6	12/06/2024	13:00	LB133790
	Cadmium	2.74	1.0	274	-5	7	12/06/2024	13:00	LB133790
	Calcium	246000	245000	100	208000	282000	12/06/2024	13:00	LB133790
	Chromium	58.9	52.0	113	42	62	12/06/2024	13:00	LB133790
	Cobalt	3.44			-30	30	12/06/2024	13:00	LB133790
	Copper	0.47	2.0	23	-18	22	12/06/2024	13:00	LB133790
	Iron	96500	101000	96	85600	116500	12/06/2024	13:00	LB133790
	Lead	-15.2			-12	12	12/06/2024	13:00	LB133790
	Magnesium	252000	255000	99	216000	294000	12/06/2024	13:00	LB133790
	Manganese	2.53	7.0	36	-13	27	12/06/2024	13:00	LB133790
	Nickel	31.5	2.0	1575	-38	42	12/06/2024	13:00	LB133790
	Potassium	-1660			0	0	12/06/2024	13:00	LB133790
	Selenium	-11.4			-20	20	12/06/2024	13:00	LB133790
	Silver	9.42			-10	10	12/06/2024	13:00	LB133790
	Sodium	475			0	0	12/06/2024	13:00	LB133790
	Thallium	-11.5			-40	40	12/06/2024	13:00	LB133790
	Vanadium	3.28			-40	40	12/06/2024	13:00	LB133790
	Zinc	132			-40	40	12/06/2024	13:00	LB133790
ICSAB	Aluminum	254000	247000	103	209000	285000	12/06/2024	13:04	LB133790
	Antimony	579	618	94	525	711	12/06/2024	13:04	LB133790
	Arsenic	107	104	103	88.4	120	12/06/2024	13:04	LB133790
	Barium	440	537	82	437	637	12/06/2024	13:04	LB133790
	Beryllium	526	495	106	420	570	12/06/2024	13:04	LB133790
	Cadmium	1010	972	104	826	1120	12/06/2024	13:04	LB133790
	Calcium	250000	235000	106	199000	271000	12/06/2024	13:04	LB133790
	Chromium	585	542	108	460	624	12/06/2024	13:04	LB133790
	Cobalt	504	476	106	404	548	12/06/2024	13:04	LB133790
	Copper	522	511	102	434	588	12/06/2024	13:04	LB133790
	Iron	97400	99300	98	84400	114500	12/06/2024	13:04	LB133790
	Lead	50.0	49.0	102	37	61	12/06/2024	13:04	LB133790
	Magnesium	257000	248000	104	210000	286000	12/06/2024	13:04	LB133790
	Manganese	511	507	101	430	584	12/06/2024	13:04	LB133790
	Nickel	1050	954	110	810	1100	12/06/2024	13:04	LB133790
	Potassium	-1380			0	0	12/06/2024	13:04	LB133790
	Selenium	59.2	46.0	129	26	66	12/06/2024	13:04	LB133790
	Silver	193	201	96	170	232	12/06/2024	13:04	LB133790

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: New York City DEP of Environmental Protection/B **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB	Sodium	520			0	0	12/06/2024	13:04	LB133790
	Thallium	80.1	108	74	68	148	12/06/2024	13:04	LB133790
	Vanadium	512	491	104	417	565	12/06/2024	13:04	LB133790
	Zinc	1200	952	126	809	1095	12/06/2024	13:04	LB133790
ICSA01	Aluminum	256000	255000	100	216000	294000	12/09/2024	12:08	LB133834
	Antimony	-0.86			-50	50	12/09/2024	12:08	LB133834
	Arsenic	3.35			-20	20	12/09/2024	12:08	LB133834
	Barium	5.62	6.0	94	-94	106	12/09/2024	12:08	LB133834
	Beryllium	1.49			-6	6	12/09/2024	12:08	LB133834
	Cadmium	3.33	1.0	333	-5	7	12/09/2024	12:08	LB133834
	Calcium	243000	245000	99	208000	282000	12/09/2024	12:08	LB133834
	Chromium	56.5	52.0	109	42	62	12/09/2024	12:08	LB133834
	Cobalt	2.04			-30	30	12/09/2024	12:08	LB133834
	Copper	18.7	2.0	935	-18	22	12/09/2024	12:08	LB133834
	Iron	95800	101000	95	85600	116500	12/09/2024	12:08	LB133834
	Lead	11.9			-12	12	12/09/2024	12:08	LB133834
	Magnesium	265000	255000	104	216000	294000	12/09/2024	12:08	LB133834
	Manganese	4.34	7.0	62	-13	27	12/09/2024	12:08	LB133834
	Nickel	31.5	2.0	1575	-38	42	12/09/2024	12:08	LB133834
	Potassium	18.3			0	0	12/09/2024	12:08	LB133834
	Selenium	-19.6			-20	20	12/09/2024	12:08	LB133834
	Silver	-4.87			-10	10	12/09/2024	12:08	LB133834
	Sodium	54.5			0	0	12/09/2024	12:08	LB133834
	Thallium	-3.39			-40	40	12/09/2024	12:08	LB133834
	Vanadium	9.50			-40	40	12/09/2024	12:08	LB133834
	Zinc	31.5			-40	40	12/09/2024	12:08	LB133834
ICSAB01	Aluminum	253000	247000	102	209000	285000	12/09/2024	12:17	LB133834
	Antimony	622	618	101	525	711	12/09/2024	12:17	LB133834
	Arsenic	105	104	101	88.4	120	12/09/2024	12:17	LB133834
	Barium	508	537	95	437	637	12/09/2024	12:17	LB133834
	Beryllium	522	495	106	420	570	12/09/2024	12:17	LB133834
	Cadmium	1000	972	103	826	1120	12/09/2024	12:17	LB133834
	Calcium	239000	235000	102	199000	271000	12/09/2024	12:17	LB133834
	Chromium	563	542	104	460	624	12/09/2024	12:17	LB133834
	Cobalt	507	476	106	404	548	12/09/2024	12:17	LB133834
	Copper	498	511	98	434	588	12/09/2024	12:17	LB133834
	Iron	95800	99300	96	84400	114500	12/09/2024	12:17	LB133834
	Lead	52.4	49.0	107	37	61	12/09/2024	12:17	LB133834
	Magnesium	259000	248000	104	210000	286000	12/09/2024	12:17	LB133834
	Manganese	494	507	97	430	584	12/09/2024	12:17	LB133834
	Nickel	1020	954	107	810	1100	12/09/2024	12:17	LB133834
	Potassium	-36.7			0	0	12/09/2024	12:17	LB133834

Metals
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INTERFERENCE CHECK SAMPLE

Client: New York City DEP of Environmental Protection/B **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Selenium	29.8	46.0	65	26	66	12/09/2024	12:17	LB133834
	Silver	195	201	97	170	232	12/09/2024	12:17	LB133834
	Sodium	5.96			0	0	12/09/2024	12:17	LB133834
	Thallium	81.8	108	76	68	148	12/09/2024	12:17	LB133834
	Vanadium	500	491	102	417	565	12/09/2024	12:17	LB133834
	Zinc	922	952	97	809	1095	12/09/2024	12:17	LB133834
ICSA	Aluminum	250000	255000	98	216000	294000	12/09/2024	12:21	LB133834
	Antimony	4.82			-50	50	12/09/2024	12:21	LB133834
	Arsenic	-56.9			-20	20	12/09/2024	12:21	LB133834
	Barium	-8.92	6.0	149	-94	106	12/09/2024	12:21	LB133834
	Beryllium	2.01			-6	6	12/09/2024	12:21	LB133834
	Cadmium	-1.42	1.0	142	-5	7	12/09/2024	12:21	LB133834
	Calcium	248000	245000	101	208000	282000	12/09/2024	12:21	LB133834
	Chromium	56.7	52.0	109	42	62	12/09/2024	12:21	LB133834
	Cobalt	-0.98			-30	30	12/09/2024	12:21	LB133834
	Copper	31.9	2.0	1595	-18	22	12/09/2024	12:21	LB133834
	Iron	95600	101000	95	85600	116500	12/09/2024	12:21	LB133834
	Lead	8.41			-12	12	12/09/2024	12:21	LB133834
	Magnesium	255000	255000	100	216000	294000	12/09/2024	12:21	LB133834
	Manganese	7.71	7.0	110	-13	27	12/09/2024	12:21	LB133834
	Nickel	34.2	2.0	1710	-38	42	12/09/2024	12:21	LB133834
	Potassium	-1160			0	0	12/09/2024	12:21	LB133834
	Selenium	-15.9			-20	20	12/09/2024	12:21	LB133834
	Silver	-9.38			-10	10	12/09/2024	12:21	LB133834
	Sodium	-653			0	0	12/09/2024	12:21	LB133834
	Thallium	-31.4			-40	40	12/09/2024	12:21	LB133834
	Vanadium	2.17			-40	40	12/09/2024	12:21	LB133834
	Zinc	155			-40	40	12/09/2024	12:21	LB133834
ICSAB	Aluminum	248000	247000	100	209000	285000	12/09/2024	12:25	LB133834
	Antimony	608	618	98	525	711	12/09/2024	12:25	LB133834
	Arsenic	25.9	104	25	88.4	120	12/09/2024	12:25	LB133834
	Barium	489	537	91	437	637	12/09/2024	12:25	LB133834
	Beryllium	535	495	108	420	570	12/09/2024	12:25	LB133834
	Cadmium	1000	972	103	826	1120	12/09/2024	12:25	LB133834
	Calcium	246000	235000	105	199000	271000	12/09/2024	12:25	LB133834
	Chromium	589	542	109	460	624	12/09/2024	12:25	LB133834
	Cobalt	499	476	105	404	548	12/09/2024	12:25	LB133834
	Copper	543	511	106	434	588	12/09/2024	12:25	LB133834
	Iron	95500	99300	96	84400	114500	12/09/2024	12:25	LB133834
	Lead	68.0	49.0	139	37	61	12/09/2024	12:25	LB133834
	Magnesium	252000	248000	102	210000	286000	12/09/2024	12:25	LB133834
	Manganese	525	507	104	430	584	12/09/2024	12:25	LB133834

Metals

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INTERFERENCE CHECK SAMPLE

Client: New York City DEP of Environmental Protection/B **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB	Nickel	1040	954	109	810	1100	12/09/2024	12:25	LB133834
	Potassium	-1200			0	0	12/09/2024	12:25	LB133834
	Selenium	46.3	46.0	101	26	66	12/09/2024	12:25	LB133834
	Silver	182	201	90	170	232	12/09/2024	12:25	LB133834
	Sodium	-642			0	0	12/09/2024	12:25	LB133834
	Thallium	80.5	108	74	68	148	12/09/2024	12:25	LB133834
	Vanadium	513	491	104	417	565	12/09/2024	12:25	LB133834
	Zinc	1210	952	127	809	1095	12/09/2024	12:25	LB133834



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: New York City DEP of Environmental Prot **level:** low **sdg no.:** P4997
contract: NEWY17 **lab code:** CHEM **case no.:** P4997 **sas no.:** P4997
matrix: Water **sample id:** P5018-07 **client id:** 14B-(1-4)-COMPMS
Percent Solids for Sample: NA **Spiked ID:** P5018-07MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	717000		698000		1000	1910		P
Antimony	ug/L	75 - 125	347		25.0	U	400	87		P
Arsenic	ug/L	75 - 125	454		54.4		400	100		P
Barium	ug/L	75 - 125	661		543		100	118		P
Beryllium	ug/L	75 - 125	102		3.00	U	100	102		P
Cadmium	ug/L	75 - 125	99.0		2.25	J	100	97		P
Calcium	ug/L	75 - 125	37000		35400		500	315		P
Chromium	ug/L	75 - 125	205		17.8		200	93		P
Cobalt	ug/L	75 - 125	103		6.13	J	100	97		P
Copper	ug/L	75 - 125	580		465		150	77		P
Iron	ug/L	75 - 125	22300		23500		1500	-83		P
Lead	ug/L	75 - 125	458		17.2		500	88		P
Magnesium	ug/L	75 - 125	9600		8520		1000	108		P
Manganese	ug/L	75 - 125	16800		17600		100	-779		P
Mercury	ug/L	75 - 125	3.49		0.53		4.0	74	N	CV
Nickel	ug/L	75 - 125	258		18.3	J	250	96		P
Potassium	ug/L	75 - 125	9010		3270		5000	115		P
Selenium	ug/L	75 - 125	1020		9.57	J	1000	101		P
Silver	ug/L	75 - 125	43.7		2.13	J	37.5	111		P
Sodium	ug/L	75 - 125	38200		36300		1500	131		P
Thallium	ug/L	75 - 125	826		20.0	U	1000	83		P
Vanadium	ug/L	75 - 125	171		24.5		150	98		P
Zinc	ug/L	75 - 125	232		127		100	105		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: New York City DEP of Environmental Prot **level:** low **sdg no.:** P4997
contract: NEWY17 **lab code:** CHEM **case no.:** P4997 **sas no.:** P4997
matrix: Water **sample id:** P5018-07 **client id:** 14B-(1-4)-COMPMSD
Percent Solids for Sample: NA **Spiked ID:** P5018-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	712000		698000		1000	1428		P
Antimony	ug/L	75 - 125	344		25.0	U	400	86		P
Arsenic	ug/L	75 - 125	449		54.4		400	99		P
Barium	ug/L	75 - 125	646		543		100	103		P
Beryllium	ug/L	75 - 125	102		3.00	U	100	102		P
Cadmium	ug/L	75 - 125	97.6		2.25	J	100	95		P
Calcium	ug/L	75 - 125	36500		35400		500	224		P
Chromium	ug/L	75 - 125	204		17.8		200	93		P
Cobalt	ug/L	75 - 125	102		6.13	J	100	95		P
Copper	ug/L	75 - 125	573		465		150	72	N	P
Iron	ug/L	75 - 125	21800		23500		1500	-117		P
Lead	ug/L	75 - 125	451		17.2		500	87		P
Magnesium	ug/L	75 - 125	9520		8520		1000	99		P
Manganese	ug/L	75 - 125	16600		17600		100	-1054		P
Mercury	ug/L	75 - 125	3.62		0.53		4.0	77		CV
Nickel	ug/L	75 - 125	253		18.3	J	250	94		P
Potassium	ug/L	75 - 125	8840		3270		5000	111		P
Selenium	ug/L	75 - 125	1020		9.57	J	1000	101		P
Silver	ug/L	75 - 125	43.3		2.13	J	37.5	110		P
Sodium	ug/L	75 - 125	37200		36300		1500	60		P
Thallium	ug/L	75 - 125	802		20.0	U	1000	80		P
Vanadium	ug/L	75 - 125	169		24.5		150	96		P
Zinc	ug/L	75 - 125	230		127		100	103		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: New York City DEP of Environmental Prot **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
Matrix: Water **Level:** LOW **Client ID:** 14B-(1-4)-COMPA
Sample ID: P5018-07 **Spiked ID:** P5018-07A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Copper	ug/L	85 - 115	575		465		150	74		P
Mercury	ug/L	75 - 125	3.88		0.53		4.00	84		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: New York City DEP of Environmental Prot **Level:** LOW **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
Matrix: Water **Sample ID:** P5018-07 **Client ID:** 14B-(1-4)-COMPDUP
Percent Solids for Sample: NA **Duplicate ID** P5018-07DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	698000		708000		1		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	54.4		54.6		0		P
Barium	ug/L	20	543		554		2		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	2.25	J	2.34	J	4		P
Calcium	ug/L	20	35400		35600		1		P
Chromium	ug/L	20	17.8		17.8		0		P
Cobalt	ug/L	20	6.13	J	5.97	J	3		P
Copper	ug/L	20	465		471		1		P
Iron	ug/L	20	23500		24000		2		P
Lead	ug/L	20	17.2		18.7		8		P
Magnesium	ug/L	20	8520		8570		1		P
Manganese	ug/L	20	17600		17900		2		P
Mercury	ug/L	20	0.53		0.50		6		CV
Nickel	ug/L	20	18.3	J	18.6	J	2		P
Potassium	ug/L	20	3270		3330		2		P
Selenium	ug/L	20	9.57	J	8.14	J	16		P
Silver	ug/L	20	2.13	J	2.27	J	6		P
Sodium	ug/L	20	36300		37100		2		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	24.5		24.9		2		P
Zinc	ug/L	20	127		128		1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: New York City DEP of Environmental Prot **Level:** LOW **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
Matrix: Water **Sample ID:** P5018-07MS **Client ID:** 14B-(1-4)-COMPMSD
Percent Solids for Sample: NA **Duplicate ID** P5018-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	717000		712000		1		P
Antimony	ug/L	20	347		344		1		P
Arsenic	ug/L	20	454		449		1		P
Barium	ug/L	20	661		646		2		P
Beryllium	ug/L	20	102		102		0		P
Cadmium	ug/L	20	99.0		97.6		1		P
Calcium	ug/L	20	37000		36500		1		P
Chromium	ug/L	20	205		204		0		P
Cobalt	ug/L	20	103		102		1		P
Copper	ug/L	20	580		573		1		P
Iron	ug/L	20	22300		21800		2		P
Lead	ug/L	20	458		451		2		P
Magnesium	ug/L	20	9600		9520		1		P
Manganese	ug/L	20	16800		16600		1		P
Mercury	ug/L	20	3.49		3.62		4		CV
Nickel	ug/L	20	258		253		2		P
Potassium	ug/L	20	9010		8840		2		P
Selenium	ug/L	20	1020		1020		0		P
Silver	ug/L	20	43.7		43.3		1		P
Sodium	ug/L	20	38200		37200		3		P
Thallium	ug/L	20	826		802		3		P
Vanadium	ug/L	20	171		169		1		P
Zinc	ug/L	20	232		230		1		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: New York City DEP of Environmental Prot

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165287BS							
Aluminum	ug/L	1000	983		98	85 - 115	P
Antimony	ug/L	400	377		94	85 - 115	P
Arsenic	ug/L	400	368		92	85 - 115	P
Barium	ug/L	100	96.0		96	85 - 115	P
Beryllium	ug/L	100	103		103	85 - 115	P
Cadmium	ug/L	100	93.5		94	85 - 115	P
Calcium	ug/L	500	505	J	101	85 - 115	P
Chromium	ug/L	200	196		98	85 - 115	P
Cobalt	ug/L	100	94.6		95	85 - 115	P
Copper	ug/L	150	149		99	85 - 115	P
Iron	ug/L	1500	1390		93	85 - 115	P
Lead	ug/L	500	465		93	85 - 115	P
Magnesium	ug/L	1000	979	J	98	85 - 115	P
Manganese	ug/L	100	99.5		100	85 - 115	P
Nickel	ug/L	250	238		95	85 - 115	P
Potassium	ug/L	5000	4470		89	85 - 115	P
Selenium	ug/L	1000	939		94	85 - 115	P
Silver	ug/L	37.5	35.9		96	85 - 115	P
Sodium	ug/L	1500	1300		87	85 - 115	P
Thallium	ug/L	1000	1040		104	85 - 115	P
Vanadium	ug/L	150	149		99	85 - 115	P
Zinc	ug/L	100	100		100	85 - 115	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: New York City DEP of Environmental Prot

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165329BS Mercury	ug/L	4.0	3.91		98	85 - 115	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

14B-(1-4)-COMPL

Lab Name: Chemtech Consulting Group

Contract: NEWY17

Lab Code: CHEM **Lb No.:** lb133790 **Lab Sample ID :** P5018-07L **SDG No.:** P4997

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Aluminum	698000		722000		4		P
Antimony	25.0	U	125	U			P
Arsenic	54.4		53.2		2		P
Barium	543		532		2		P
Beryllium	3.00	U	15.0	U			P
Cadmium	2.25	J	1.70	J	25		P
Calcium	35400		37300		5		P
Chromium	17.8		19.3	J	9		P
Cobalt	6.13	J	6.52	J	6		P
Copper	465		520		12		P
Iron	23500		23500		0		P
Lead	17.2		22.8	J	33		P
Magnesium	8520		8940		5		P
Manganese	17600		18900		7		P
Mercury	0.53		0.38	J	29		CV
Nickel	18.3	J	20.0	J	9		P
Potassium	3270		2740	J	16		P
Selenium	9.57	J	50.0	U	100.0		P
Silver	2.13	J	25.0	U	100.0		P
Sodium	36300		31400		14		P
Thallium	20.0	U	100	U			P
Vanadium	24.5		24.1	J	1		P
Zinc	127		123		3		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: New York City DEP of Environmental Prot

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: New York City DEP of Environmental Prot

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: New York City DEP of Environmental Prot

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: New York City DEP of Environmental Prot

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: New York City DEP of Environmental Prot

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: New York City DEP of Environmental Prot

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Method:

Case No.: P4997 **SAS No.:** P4997

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165287							
P4997-07	14B-(1-4)-COMP	SAM	WATER	11/27/2024	50.0	25.0	
P5018-07DUP	14B-(1-4)-COMPDUP	DUP	WATER	11/27/2024	50.0	25.0	
P5018-07MS	14B-(1-4)-COMPMS	MS	WATER	11/27/2024	50.0	25.0	
P5018-07MSD	14B-(1-4)-COMPMSD	MSD	WATER	11/27/2024	50.0	25.0	
PB165287BL	PB165287BL	MB	WATER	11/27/2024	50.0	25.0	
PB165287BS	PB165287BS	LCS	WATER	11/27/2024	50.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: New York City DEP of Environmental Prot **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Method:**
Case No.: P4997 **SAS No.:** P4997

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165329							
P4997-07	14B-(1-4)-COMP	SAM	WATER	12/02/2024	30.0	30.0	
P5018-07DUP	14B-(1-4)-COMPDUP	DUP	WATER	12/02/2024	30.0	30.0	
P5018-07MS	14B-(1-4)-COMPMS	MS	WATER	12/02/2024	30.0	30.0	
P5018-07MSD	14B-(1-4)-COMPMSD	MSD	WATER	12/02/2024	30.0	30.0	
PB165329BL	PB165329BL	MB	WATER	12/02/2024	30.0	30.0	
PB165329BS	PB165329BS	LCS	WATER	12/02/2024	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: New York City DEP of Environmental Prot

Contract: NEWY17

Lab code: CHEM **Case no.:** P4997 **Sas no.:** P4997

Sdg no.: P4997

Instrument id number: **Method:**

Run number: LB133684

Start date: 12/02/2024 **End date:** 12/02/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1312	HG
S0.05	S0.05	1	1317	HG
S0.2	S0.2	1	1321	HG
S2.5	S2.5	1	1323	HG
S5	S5	1	1325	HG
S7.5	S7.5	1	1328	HG
S10	S10	1	1333	HG
ICV107	ICV107	1	1343	HG
ICB107	ICB107	1	1345	HG
CCV69	CCV69	1	1348	HG
CCB69	CCB69	1	1350	HG
CRA	CRA	1	1356	HG
PB165329BL	PB165329BL	1	1402	HG
PB165329BS	PB165329BS	1	1405	HG
P4997-07	14B-(1-4)-COMP	1	1407	HG
P5018-07DUP	14B-(1-4)-COMPDUP	1	1412	HG
P5018-07MS	14B-(1-4)-COMPMS	1	1414	HG
P5018-07MSD	14B-(1-4)-COMPMSD	1	1416	HG
CCV70	CCV70	1	1418	HG
CCB70	CCB70	1	1421	HG
P5018-07L	14B-(1-4)-COMPL	5	1423	HG
P5018-07A	14B-(1-4)-COMPA	1	1425	HG
CCV71	CCV71	1	1428	HG
CCB71	CCB71	1	1430	HG

metals
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ANALYSIS RUN LOG

Client: New York City DEP of Environmental Prot **Contract:** NEWY17

Lab code: CHEM **Case no.:** P4997 **Sas no.:** P4997 **Sdg no.:** P4997

Instrument id number: **Method:** **Run number:** LB133790

Start date: 12/06/2024 **End date:** 12/06/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1148	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1152	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1157	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1201	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1205	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1214	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1220	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1224	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1228	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1250	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1255	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1300	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1304	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1309	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1313	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1338	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1342	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4997-07	14B-(1-4)-COMP	1	1347	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5018-07DUP	14B-(1-4)-COMPDUP	1	1404	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5018-07L	14B-(1-4)-COMPL	5	1408	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5018-07MS	14B-(1-4)-COMPMS	1	1412	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5018-07MSD	14B-(1-4)-COMPMSD	1	1417	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5018-07A	14B-(1-4)-COMPA	1	1421	Cu
CCV03	CCV03	1	1442	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1446	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1540	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1635	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1727	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1731	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1821	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1827	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: New York City DEP of Environmental Prot

Contract: NEWY17

Lab code: CHEM

Case no.: P4997

Sas no.: P4997

Sdg no.: P4997

Instrument id number: _____

Method: _____

Run number: LB133834

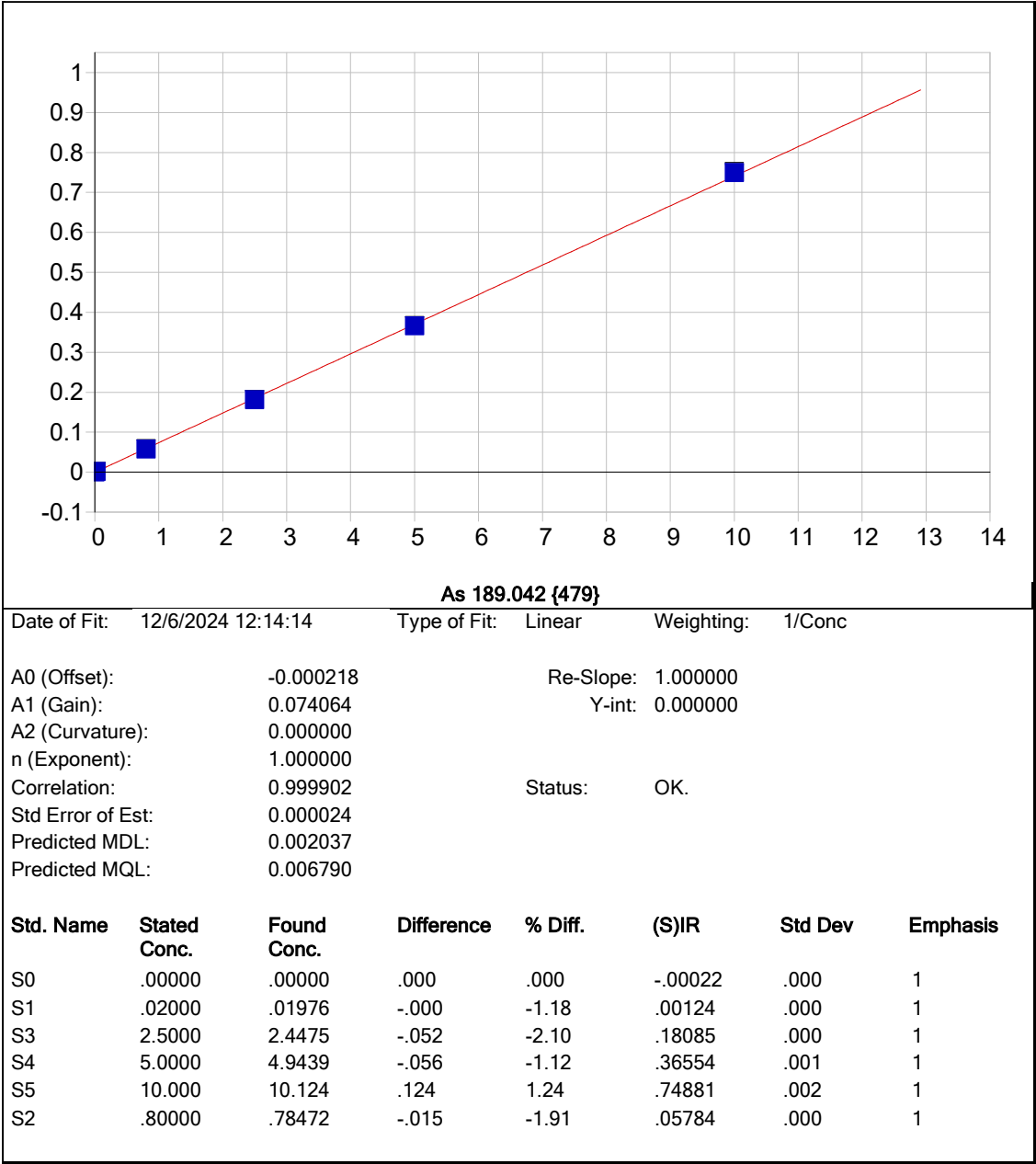
Start date: 12/09/2024

End date: 12/09/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1106	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1110	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1114	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1118	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1123	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1127	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1135	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1149	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1154	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1159	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1208	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1217	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1221	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1225	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1229	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1234	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165287BL	PB165287BL	1	1246	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165287BS	PB165287BS	1	1251	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1330	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1335	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1423	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1427	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1513	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1517	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1552	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1556	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

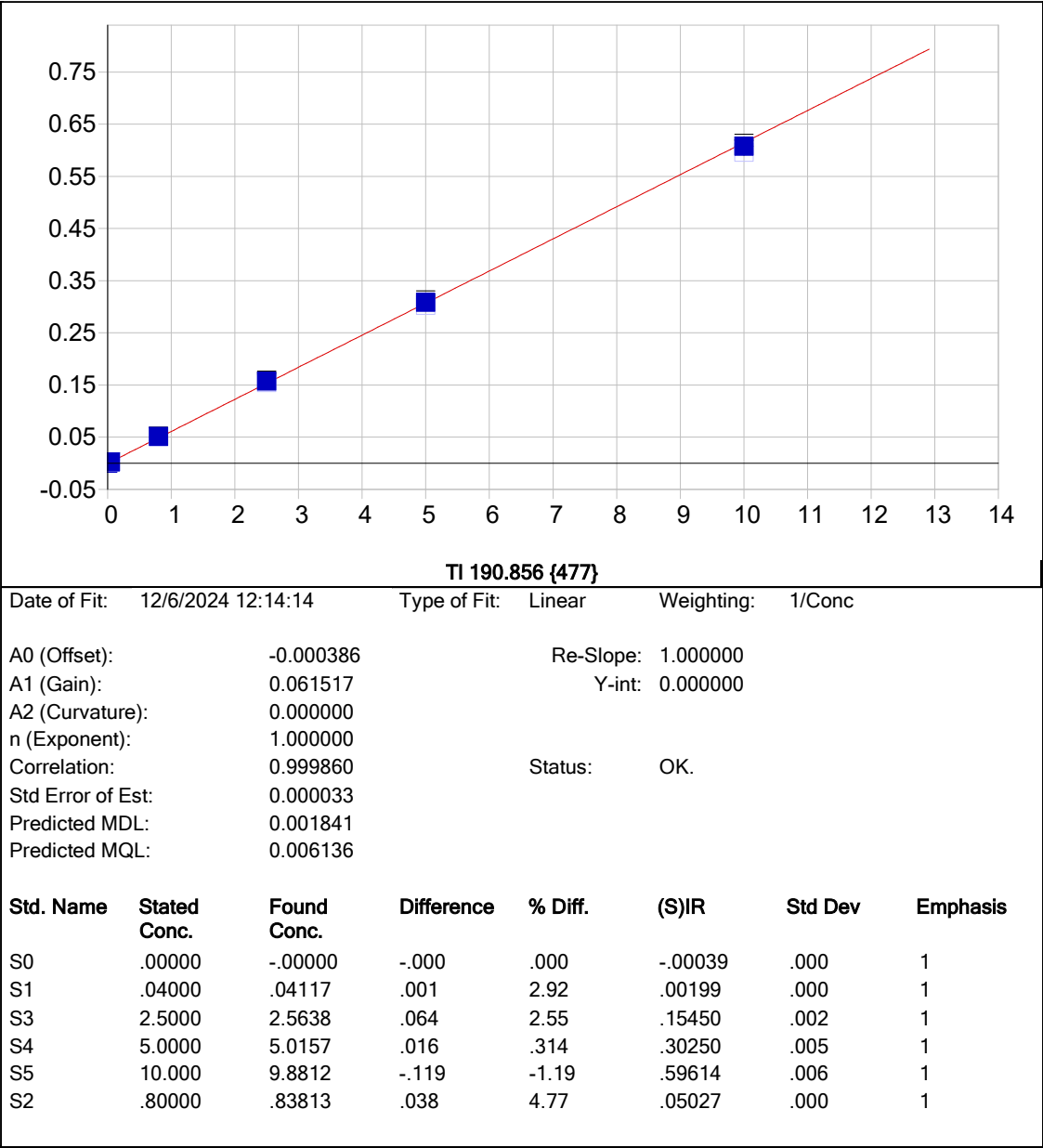


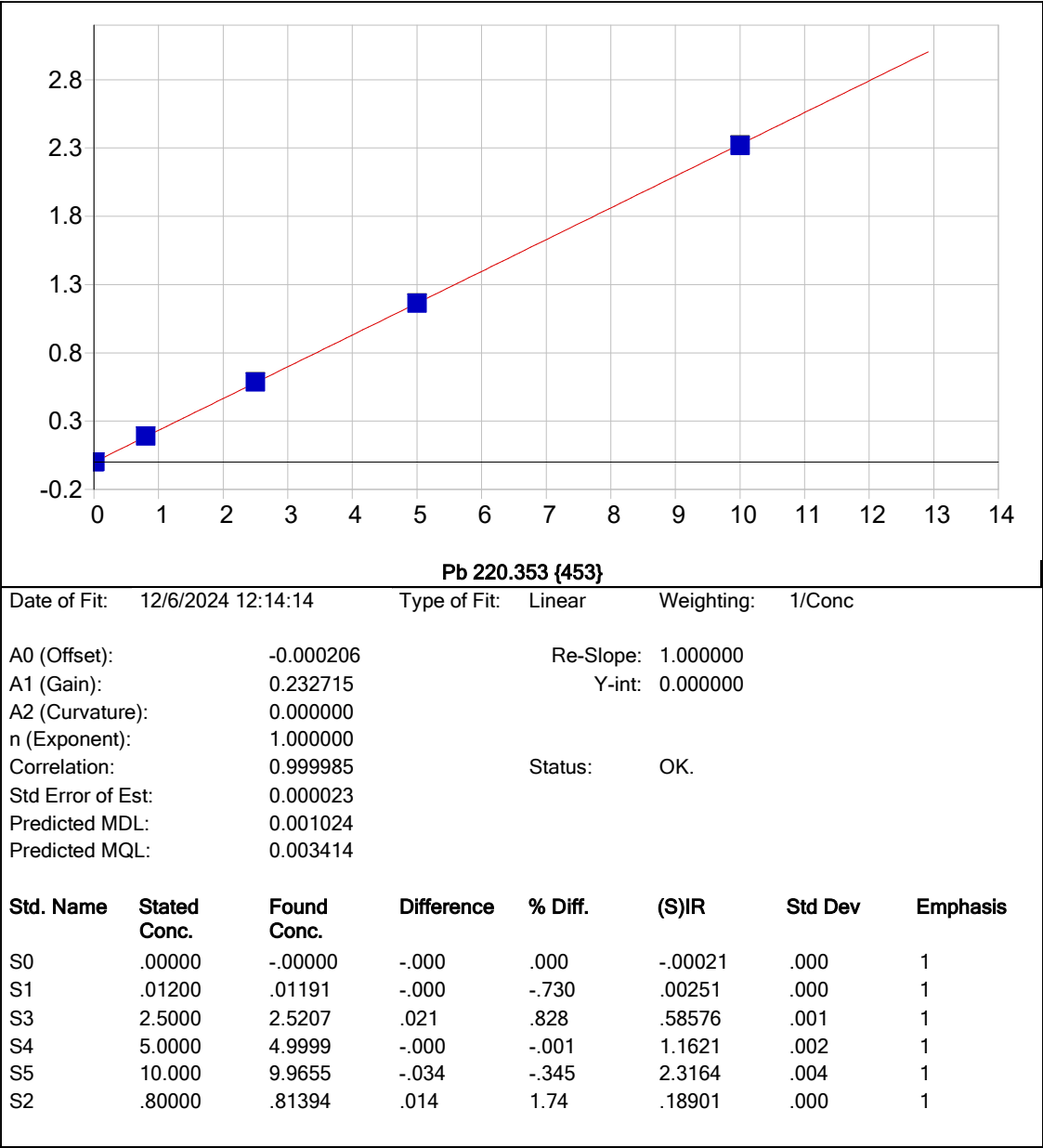
METAL RAW DATA

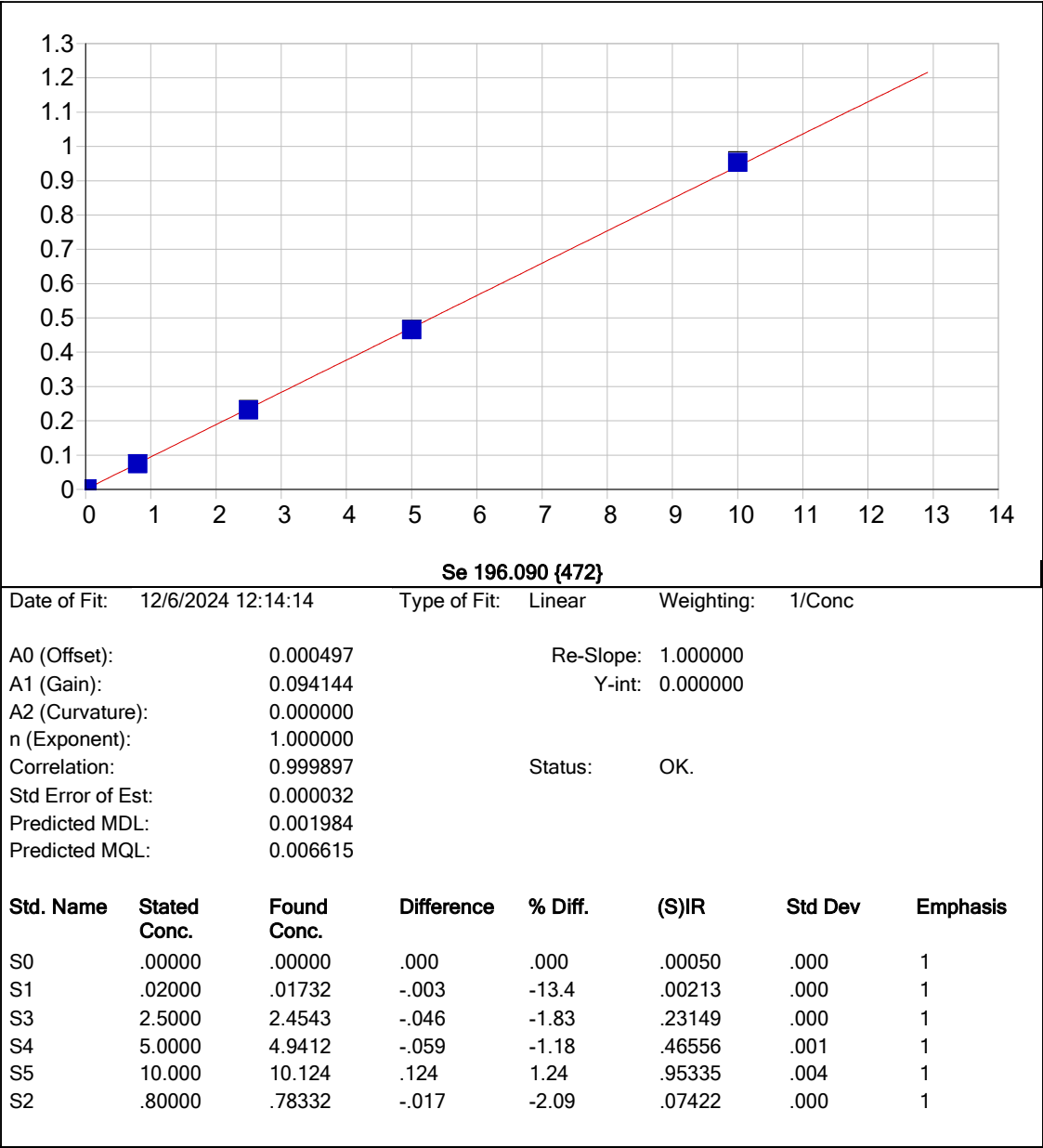


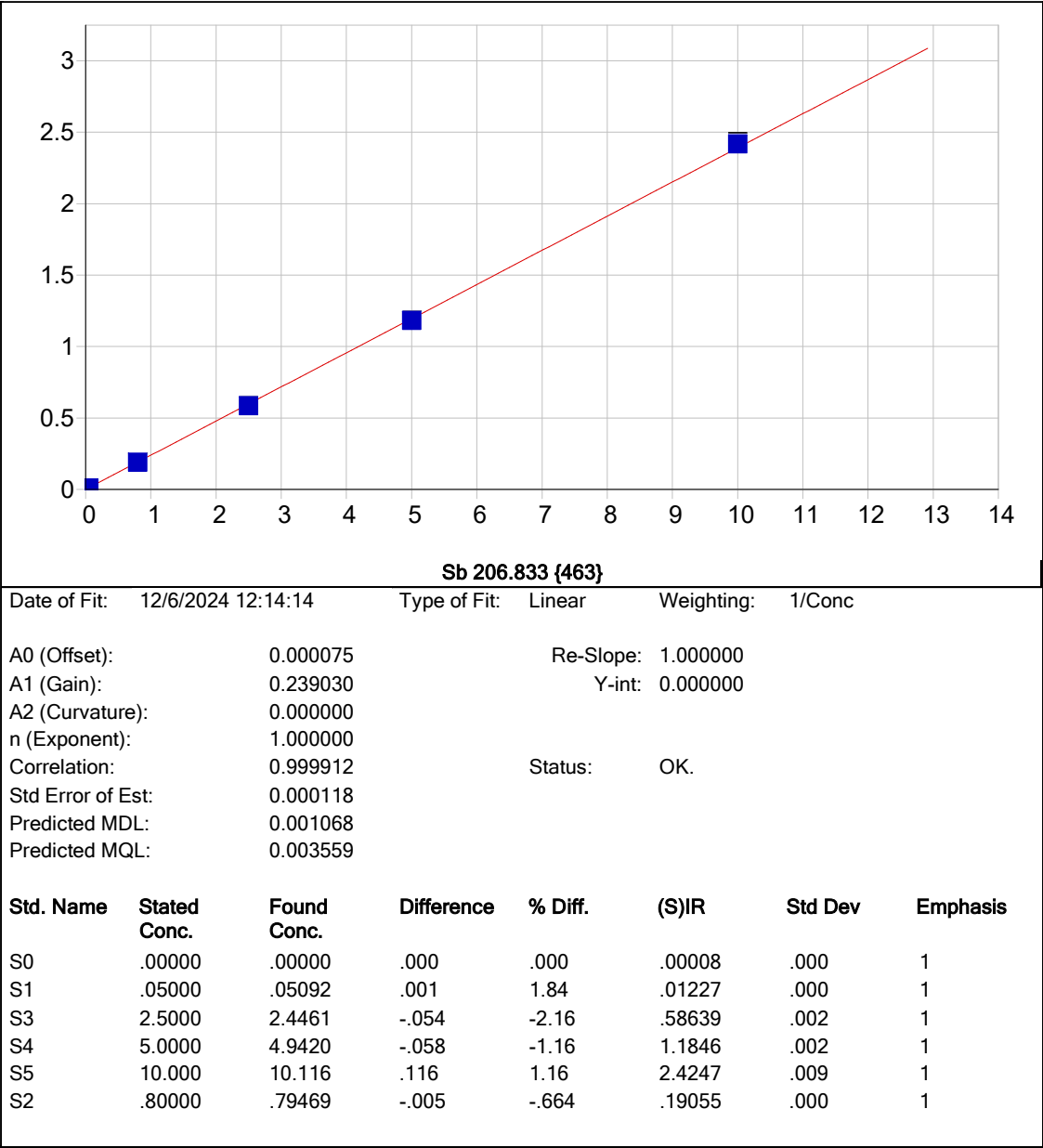
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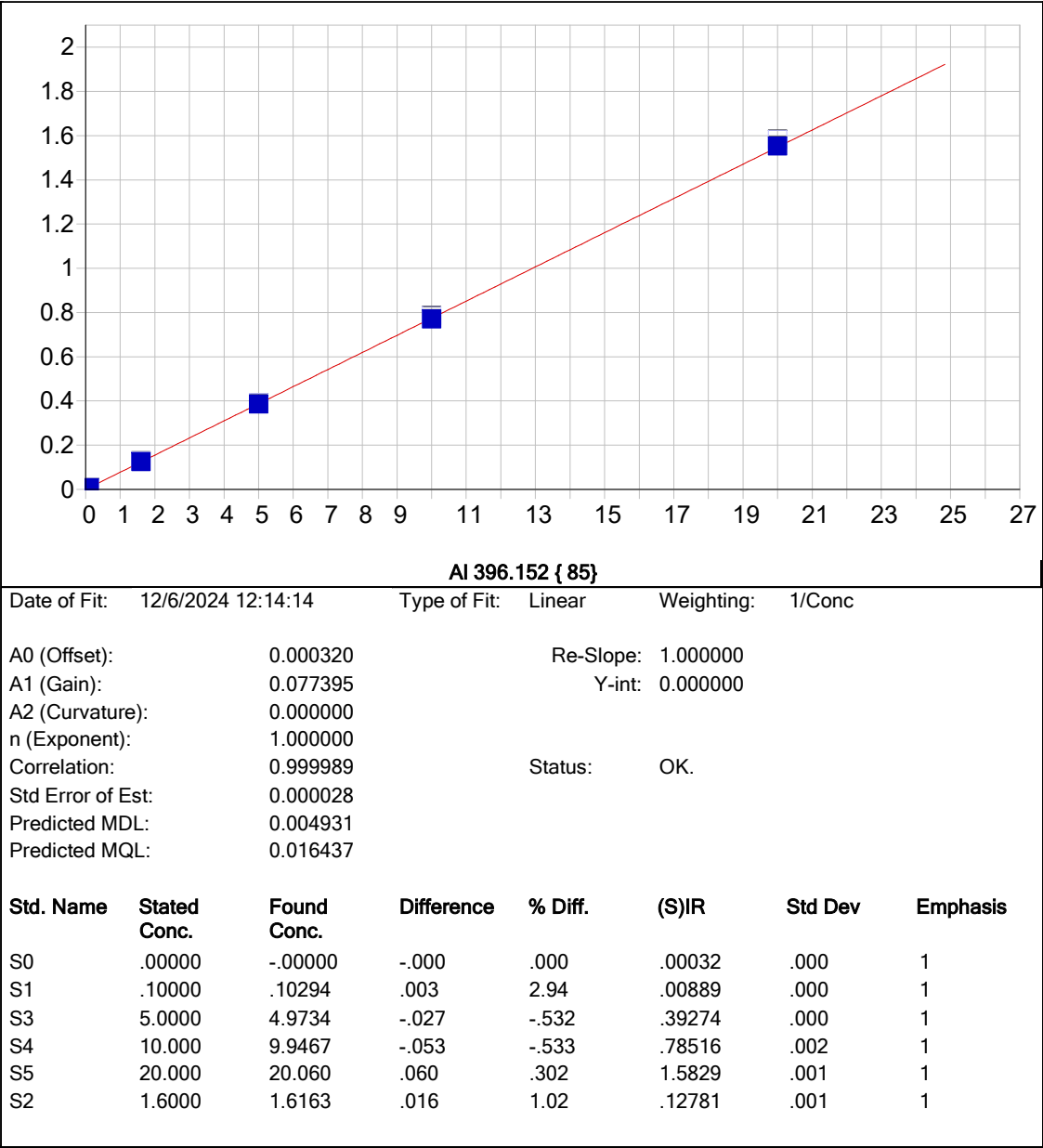
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Predicted MQL: 0.006790

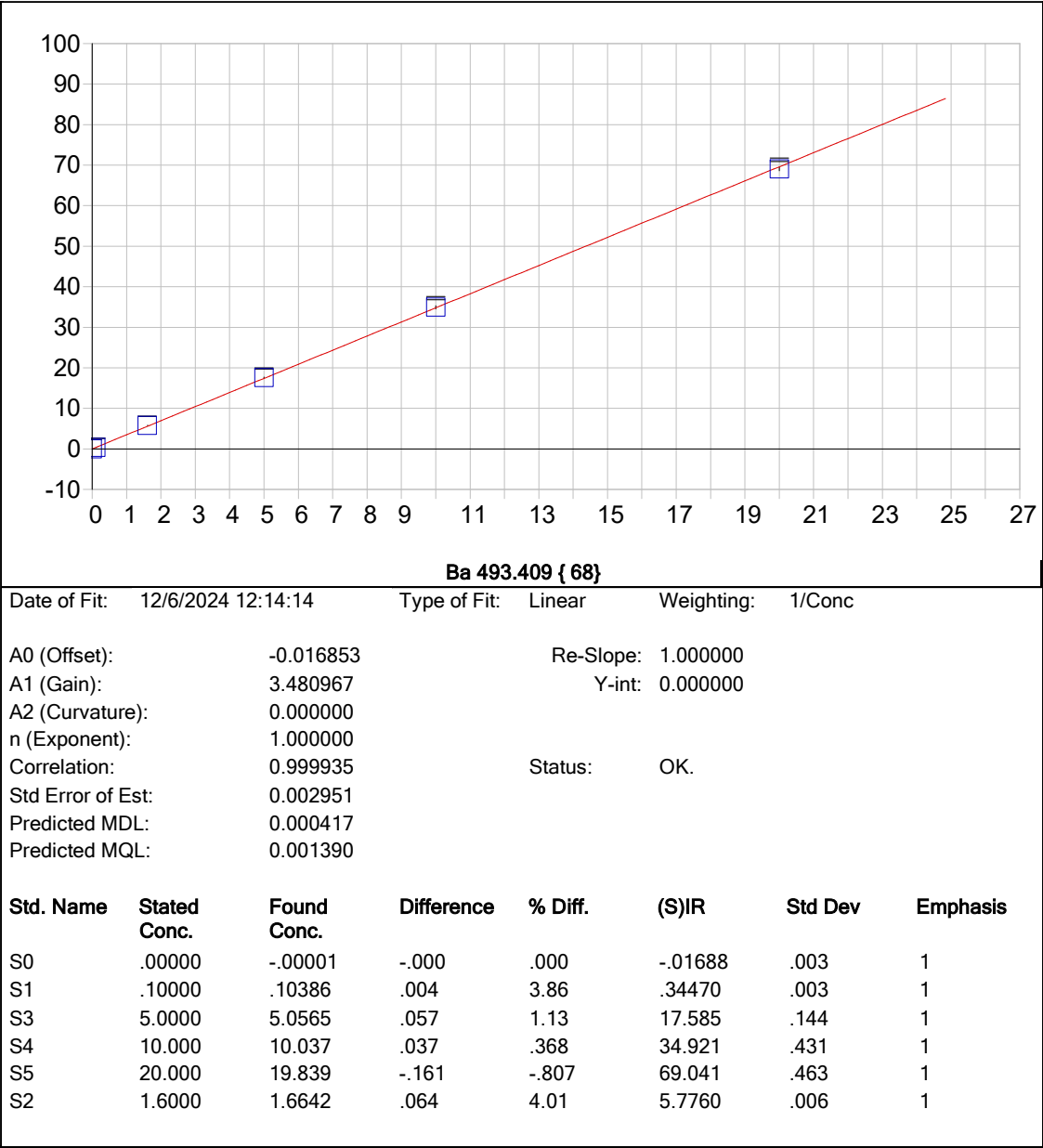


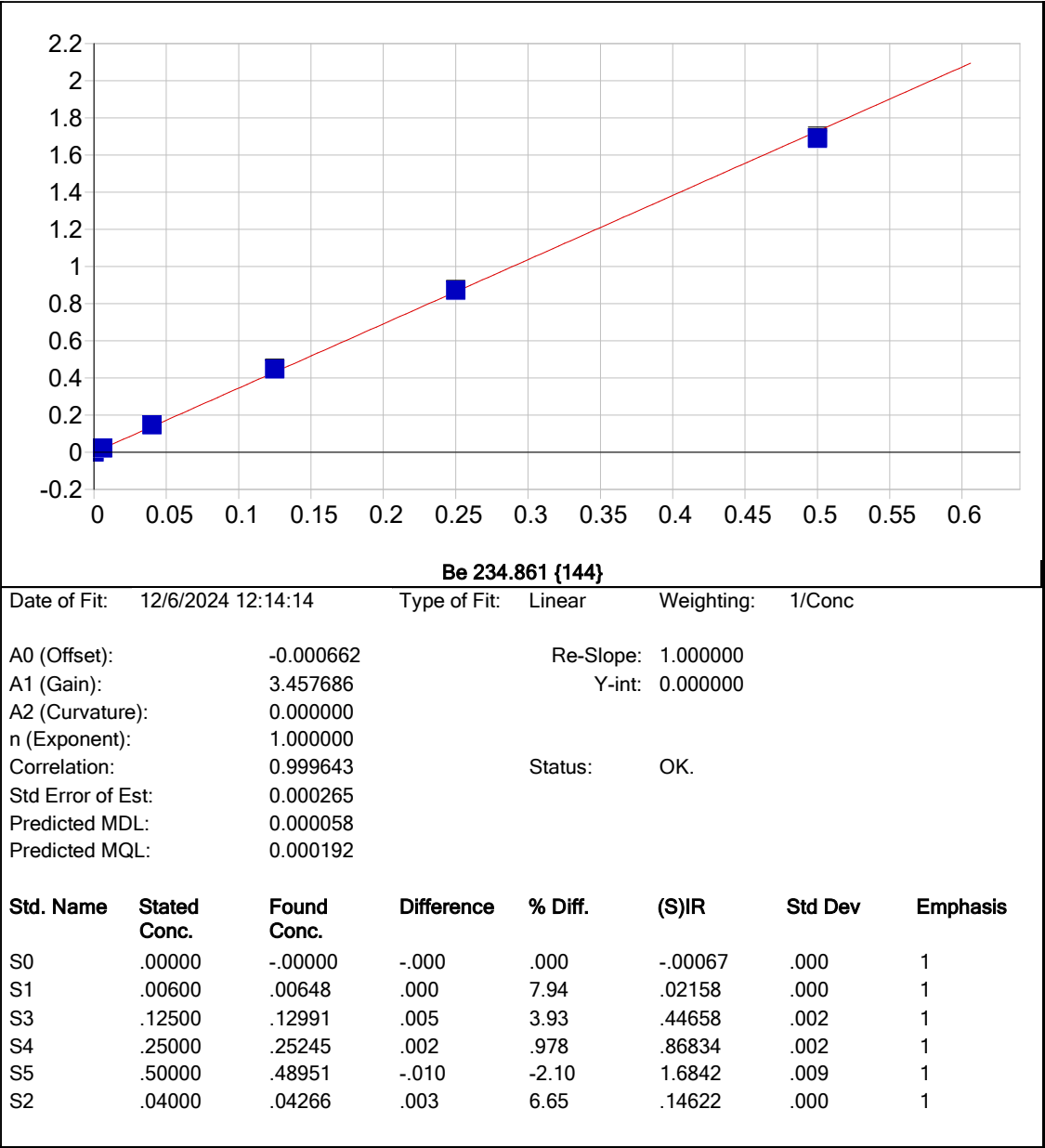


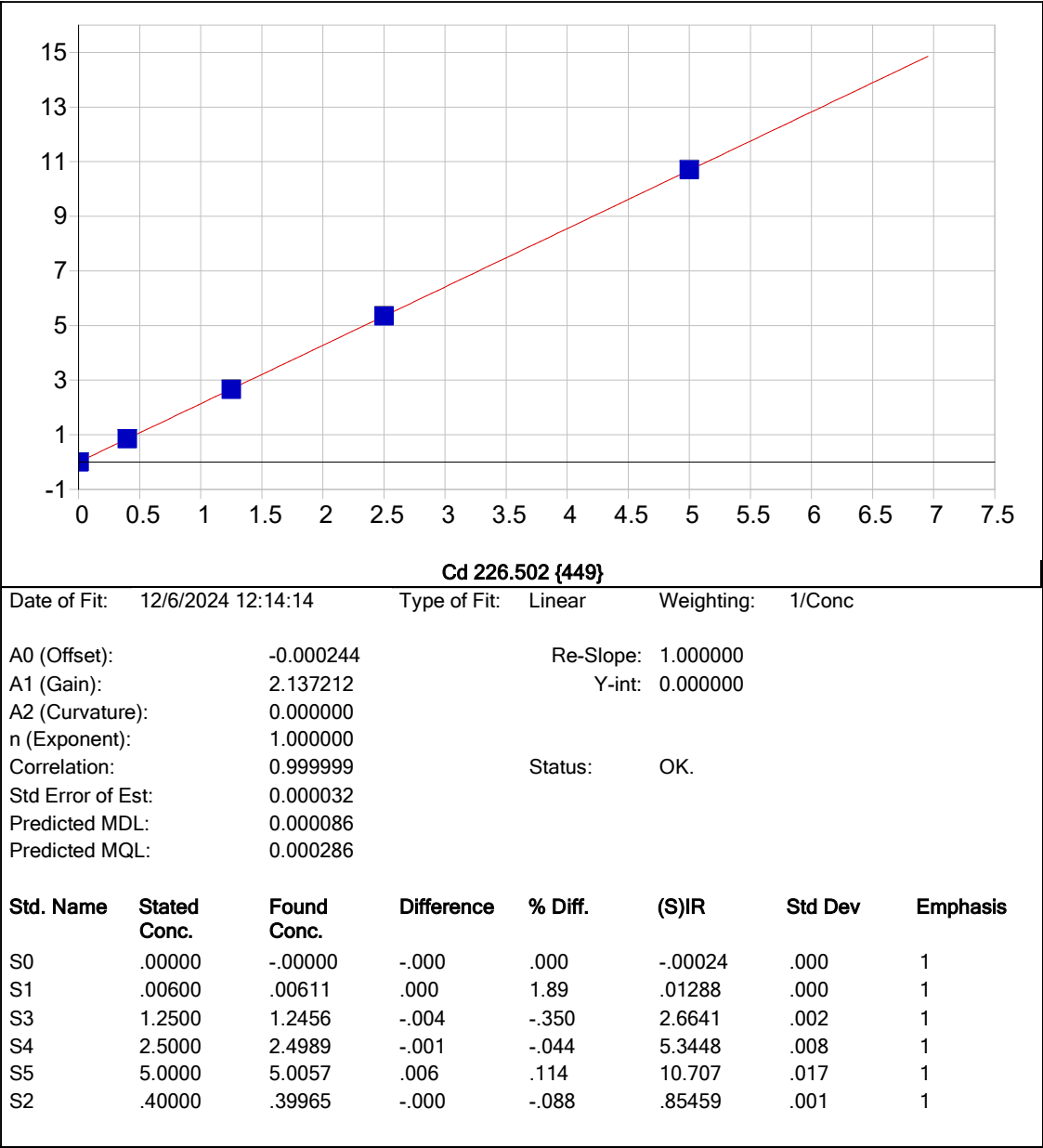


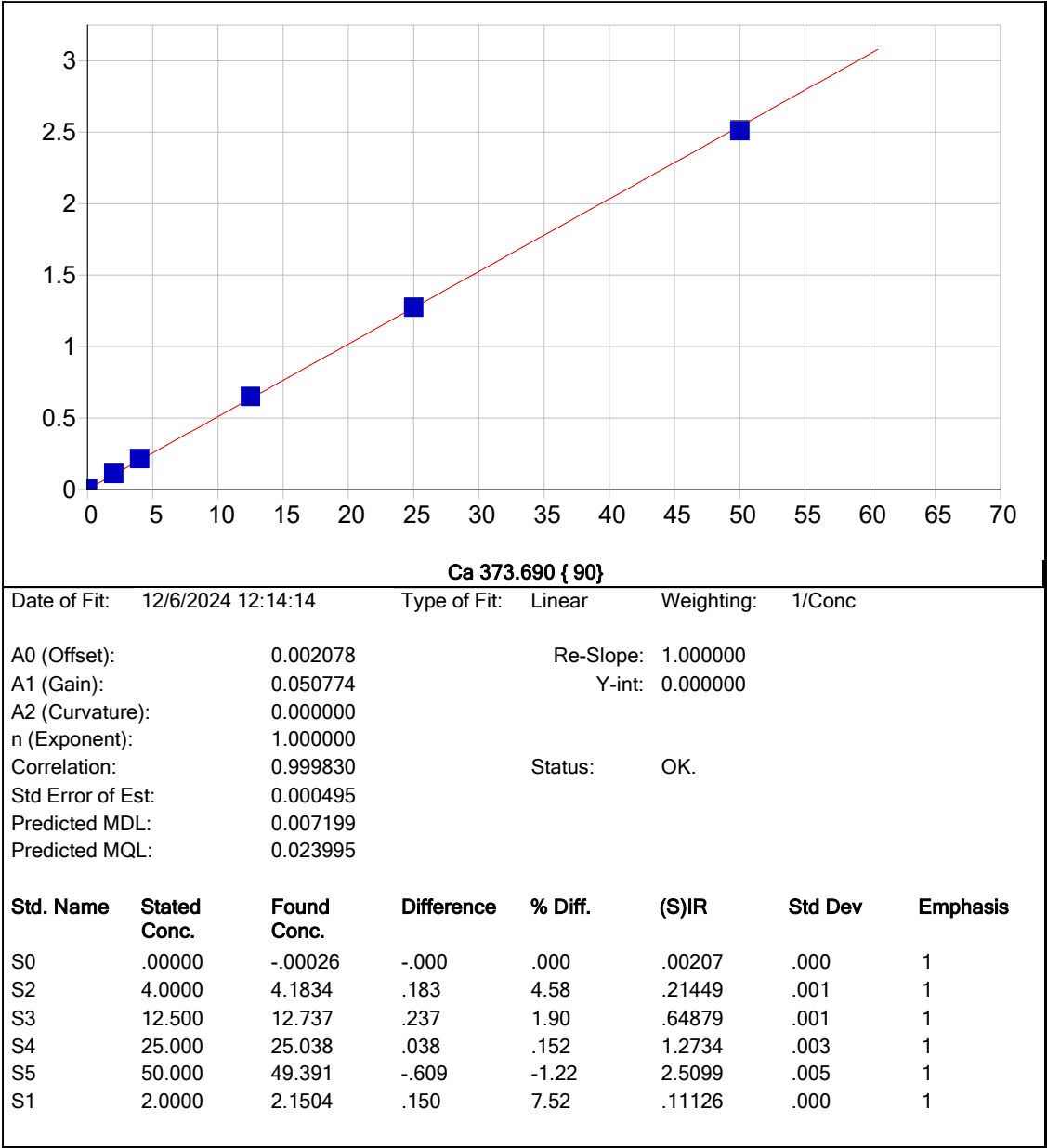


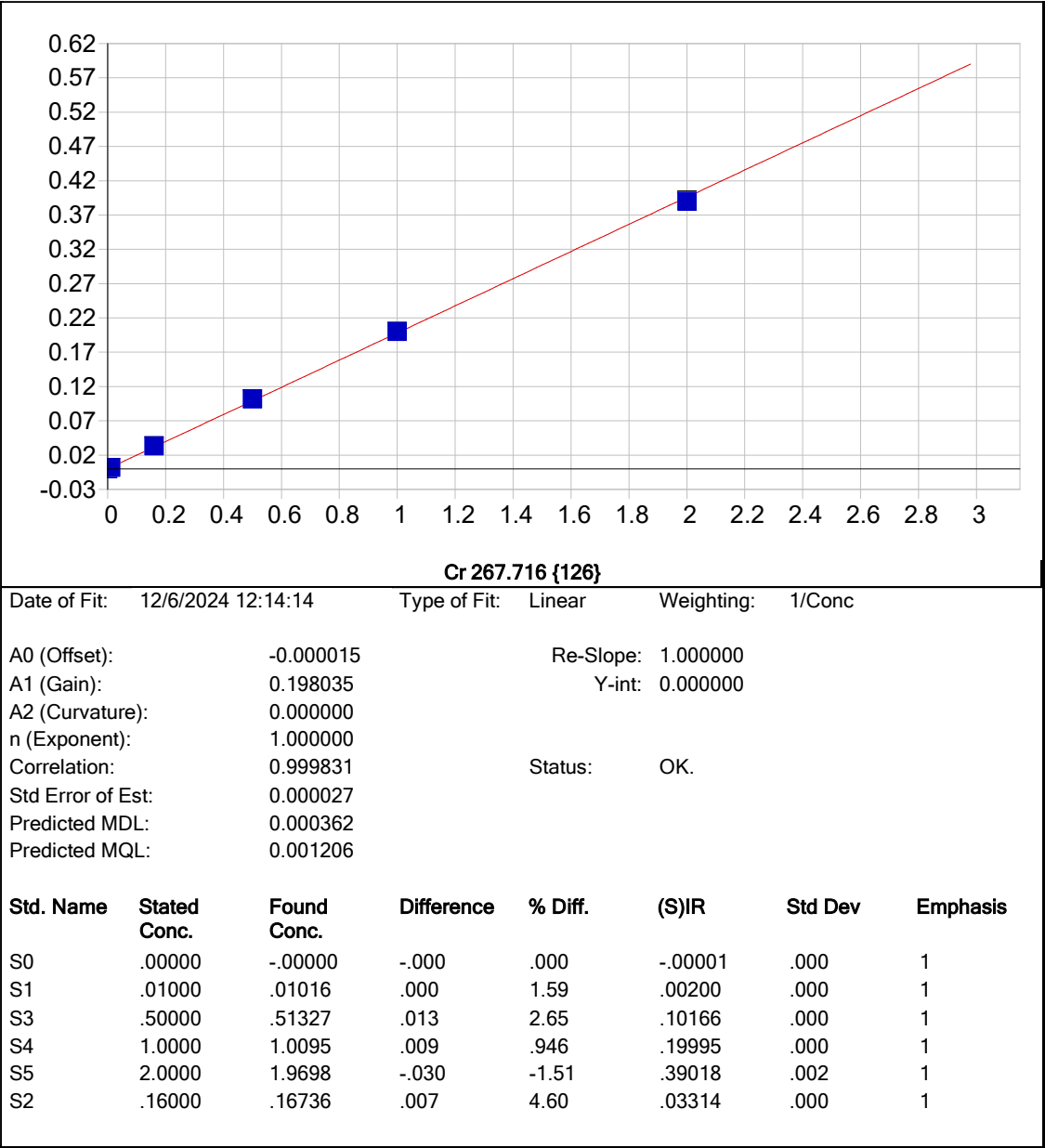


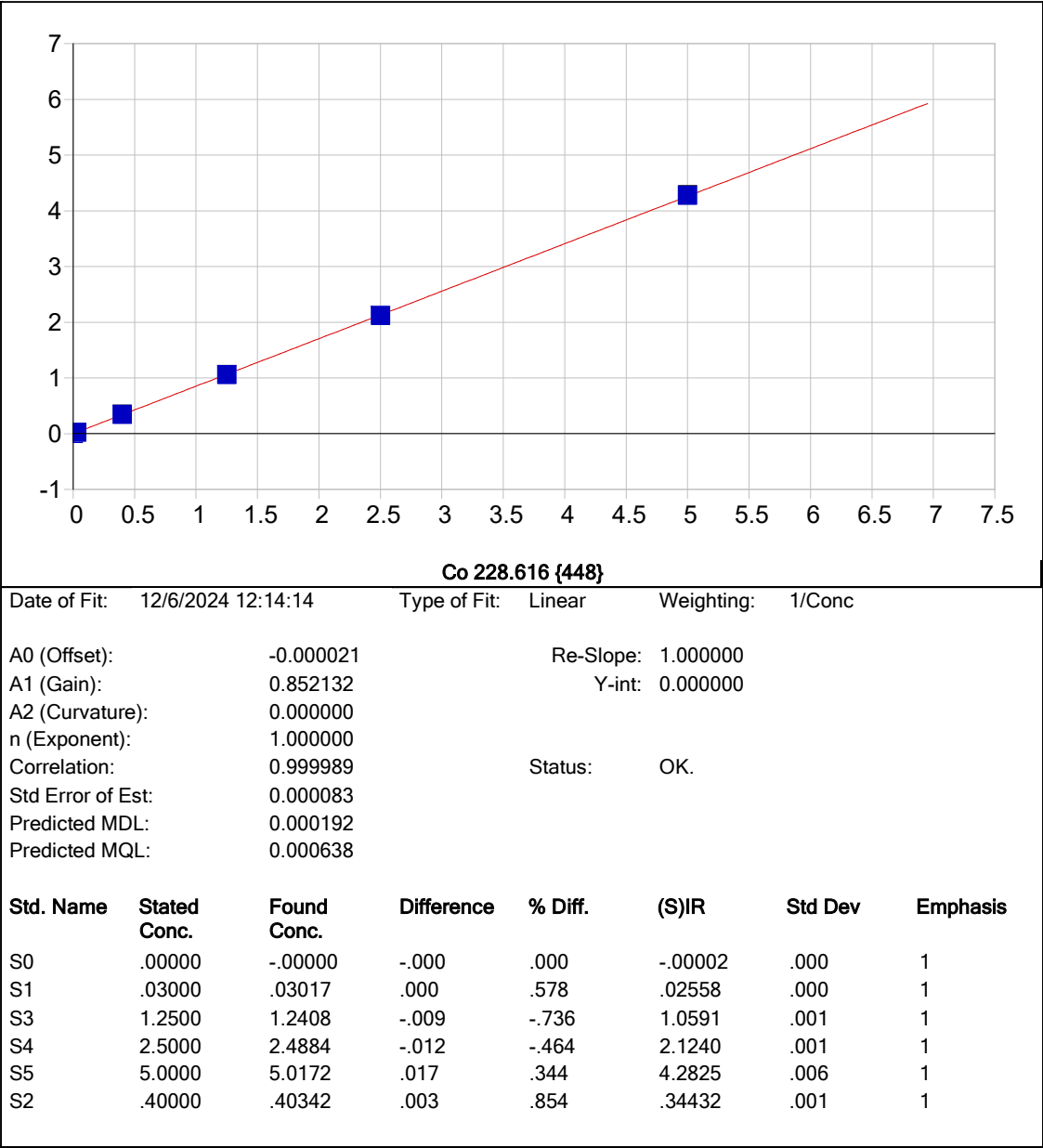


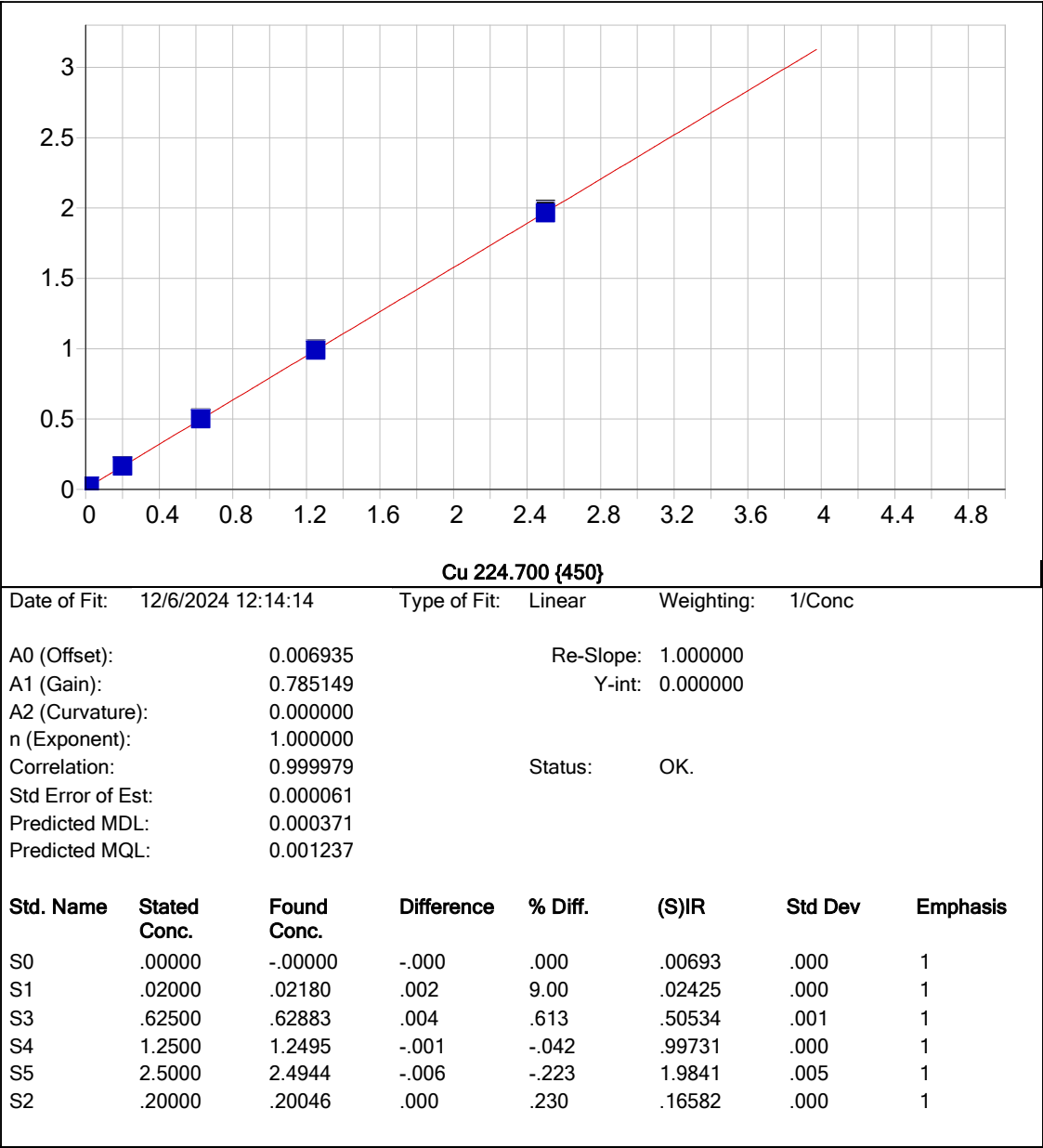


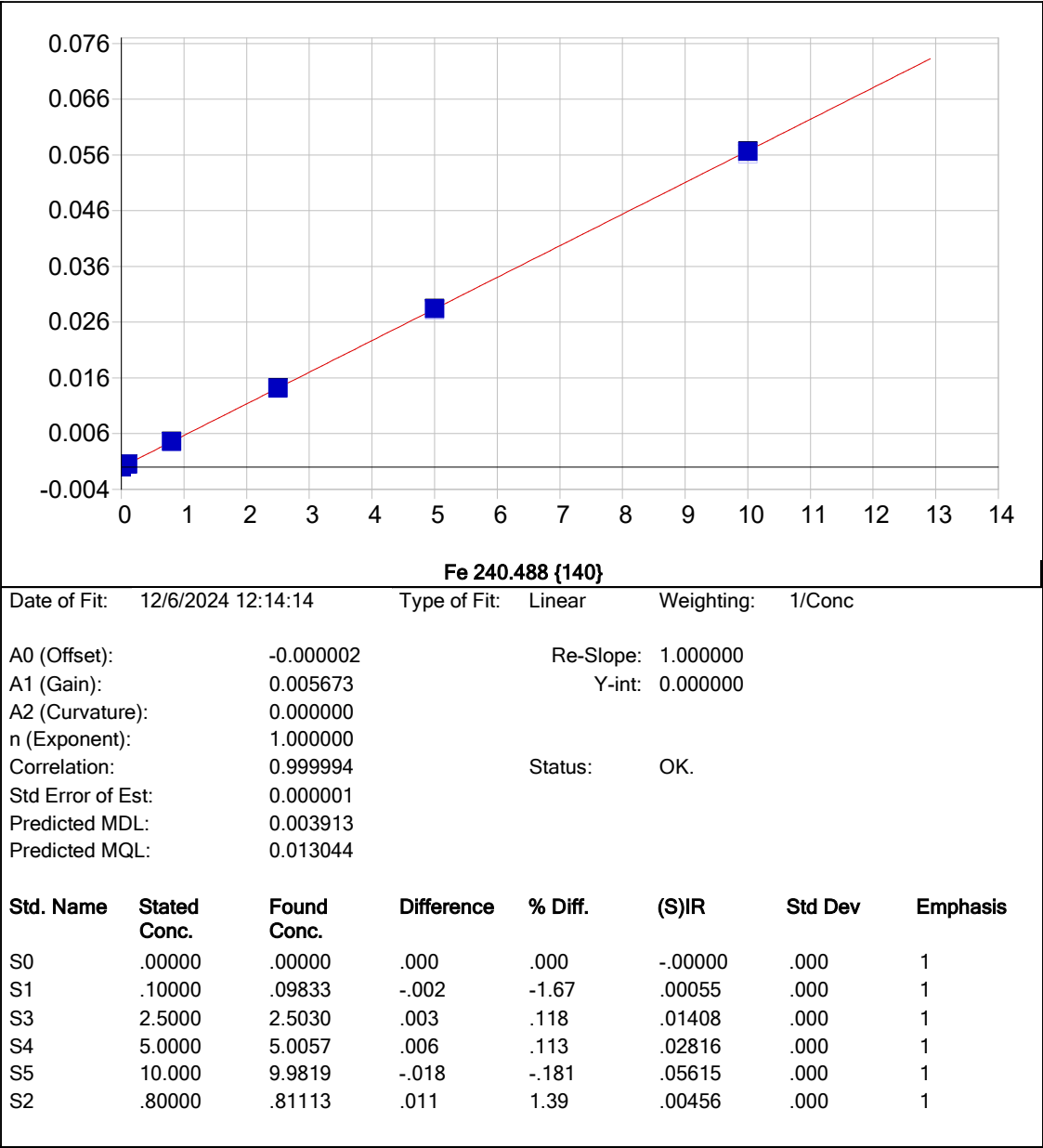


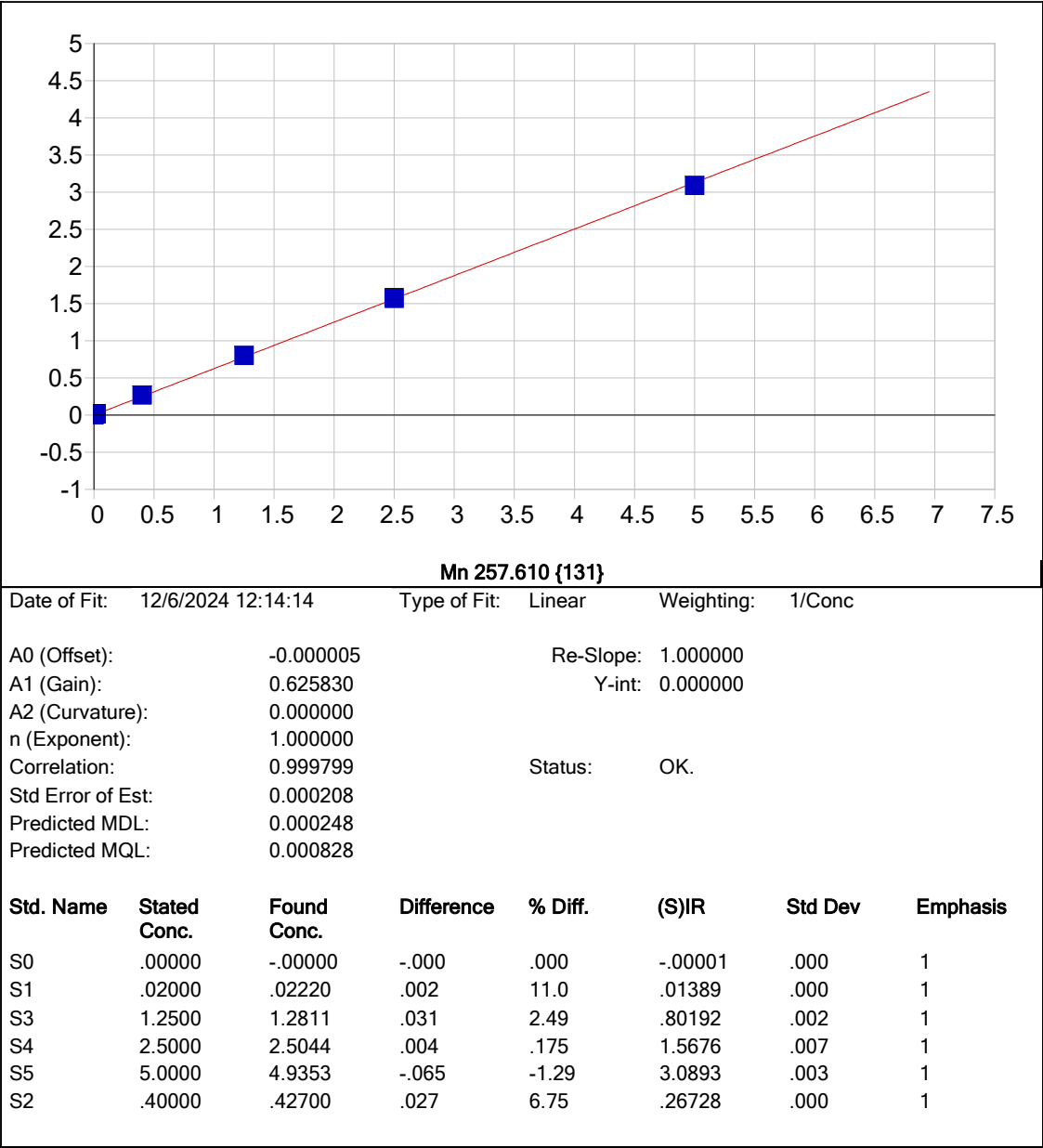


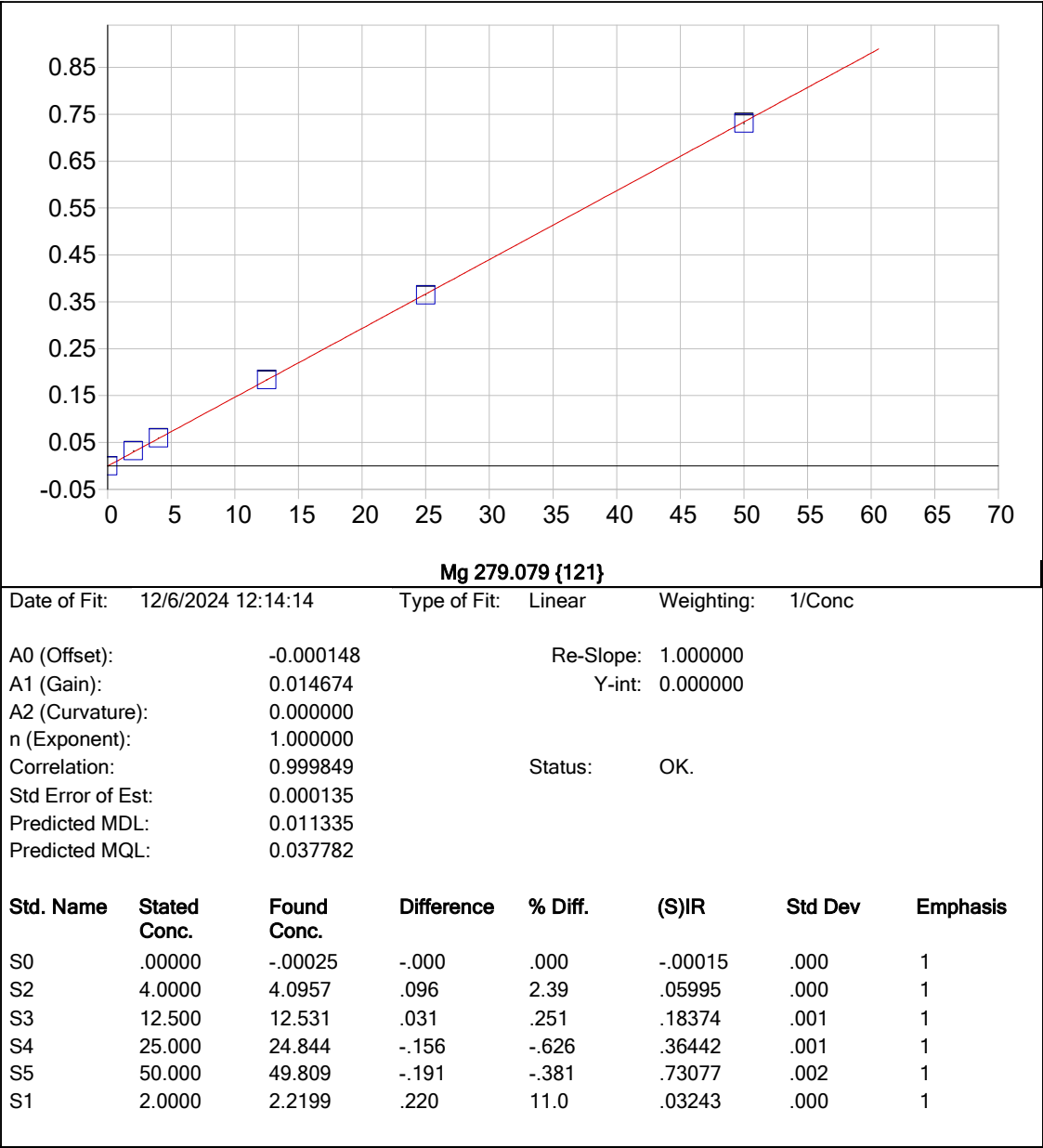


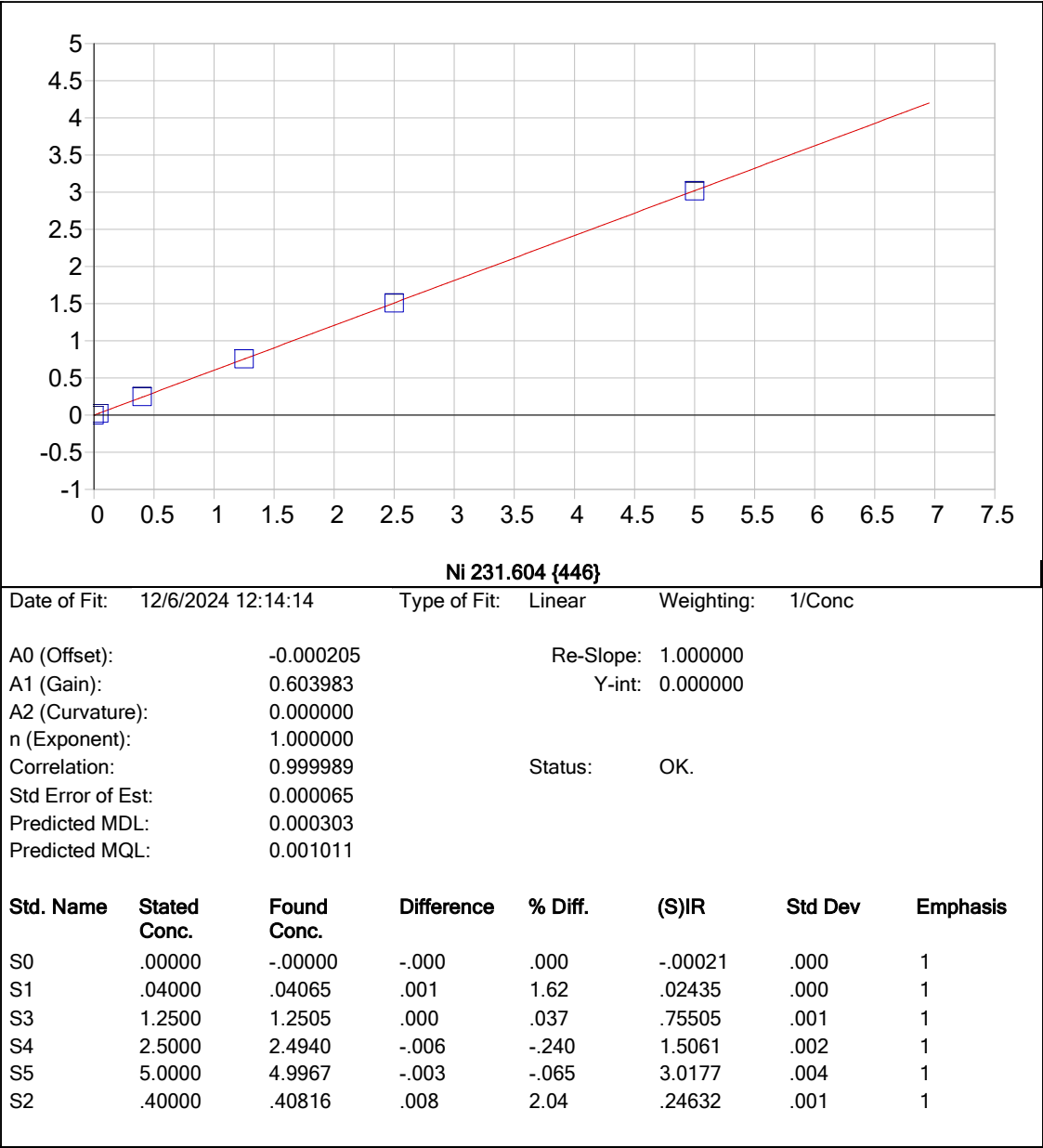


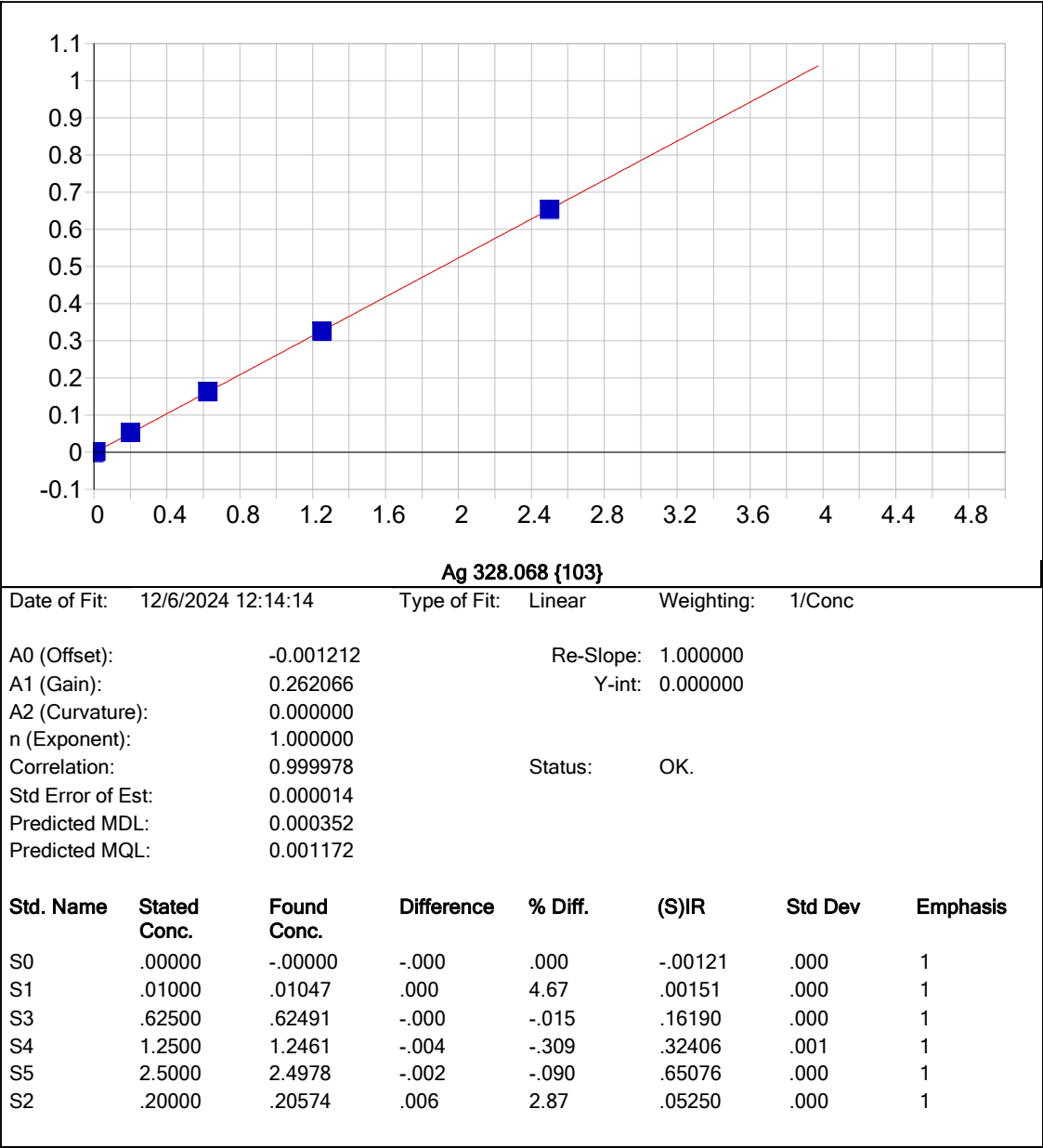


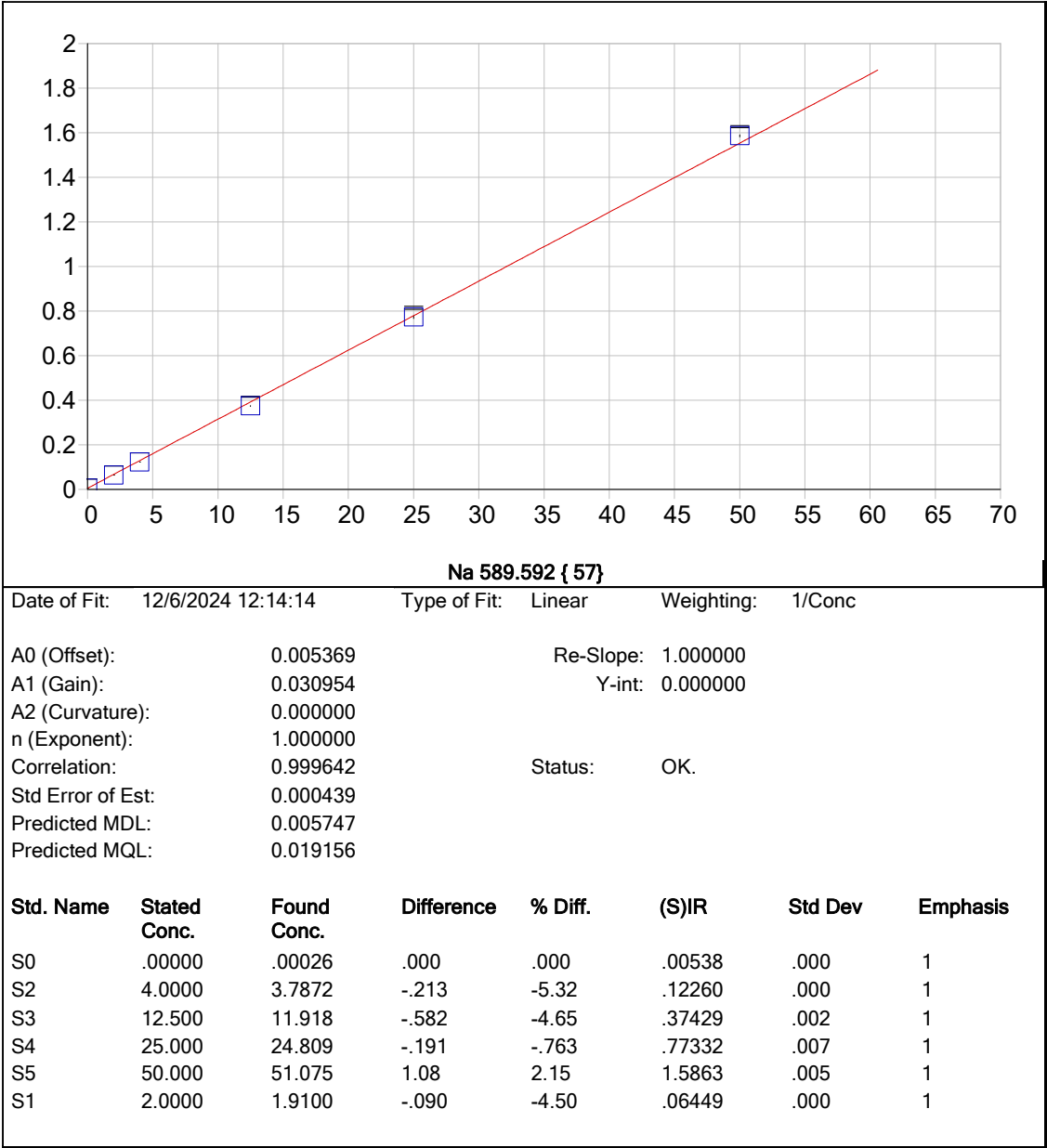


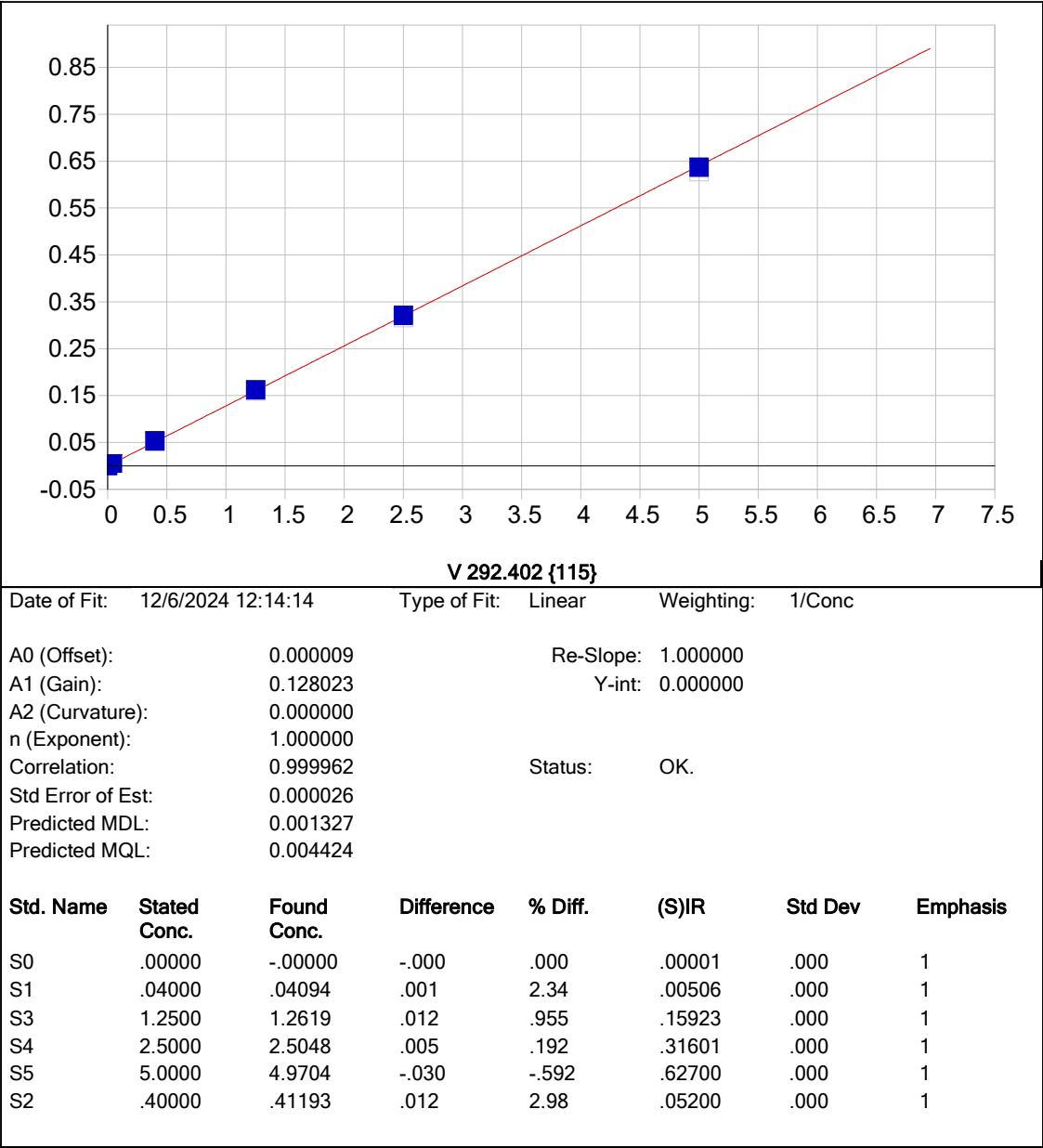


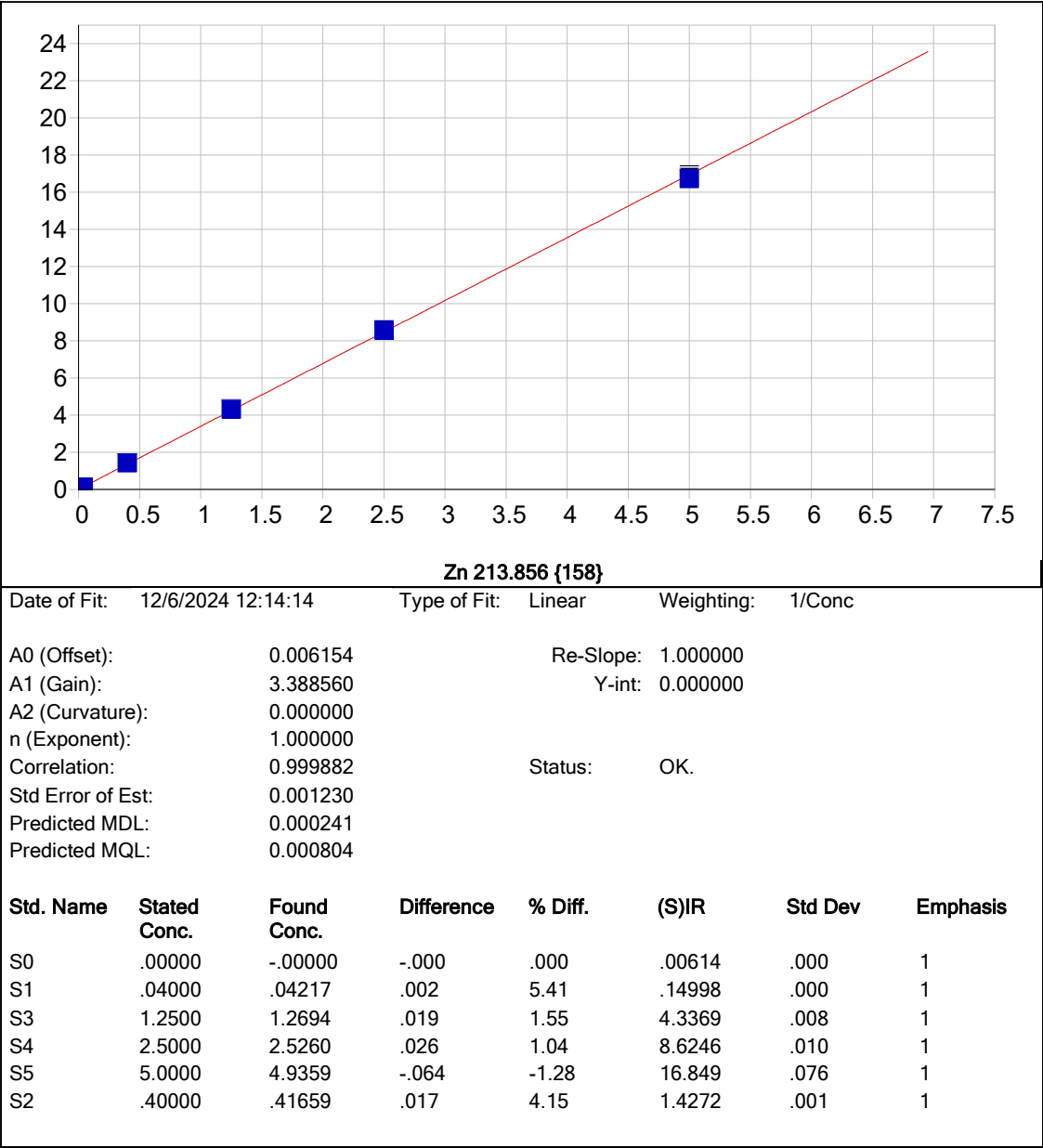


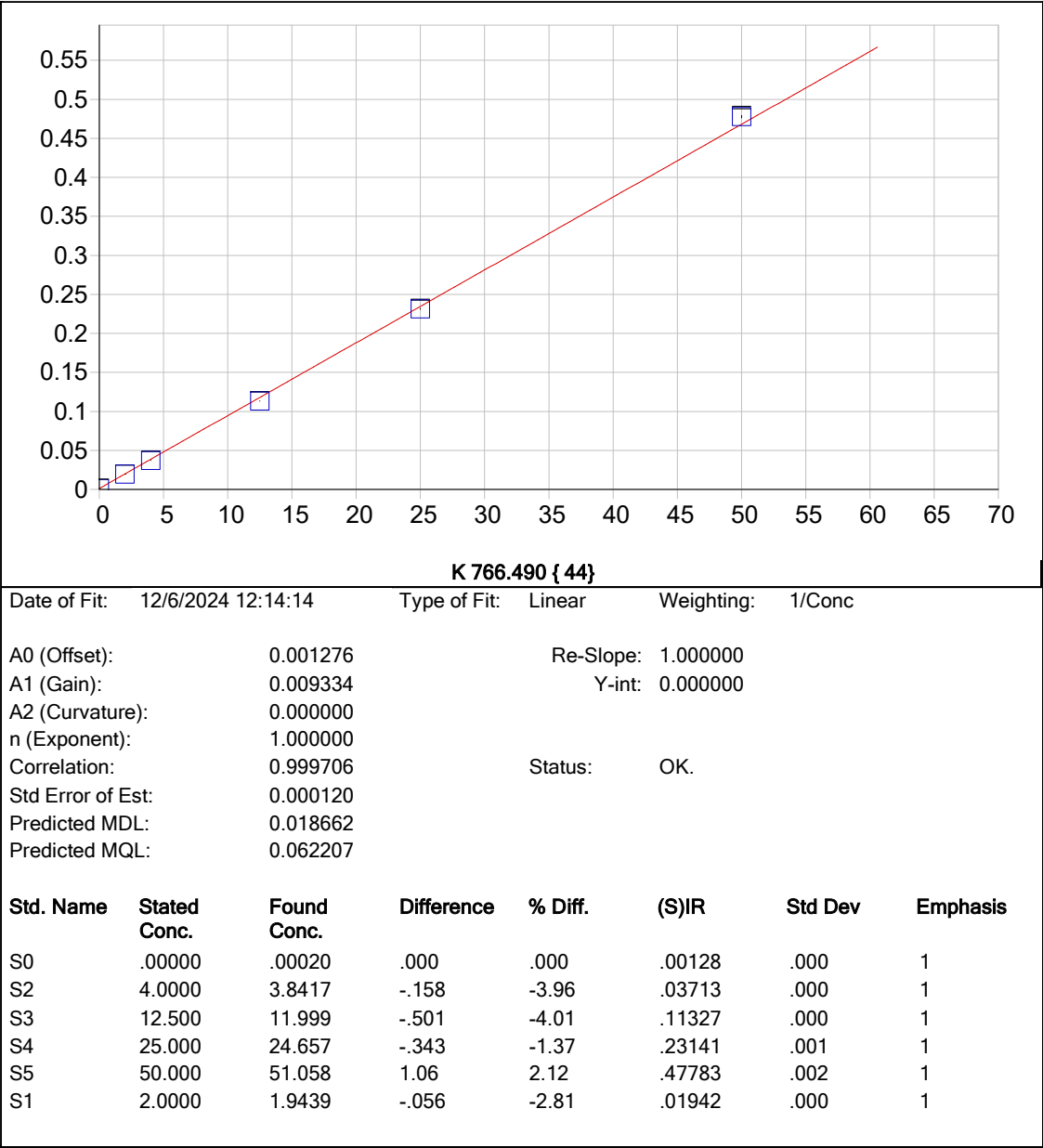


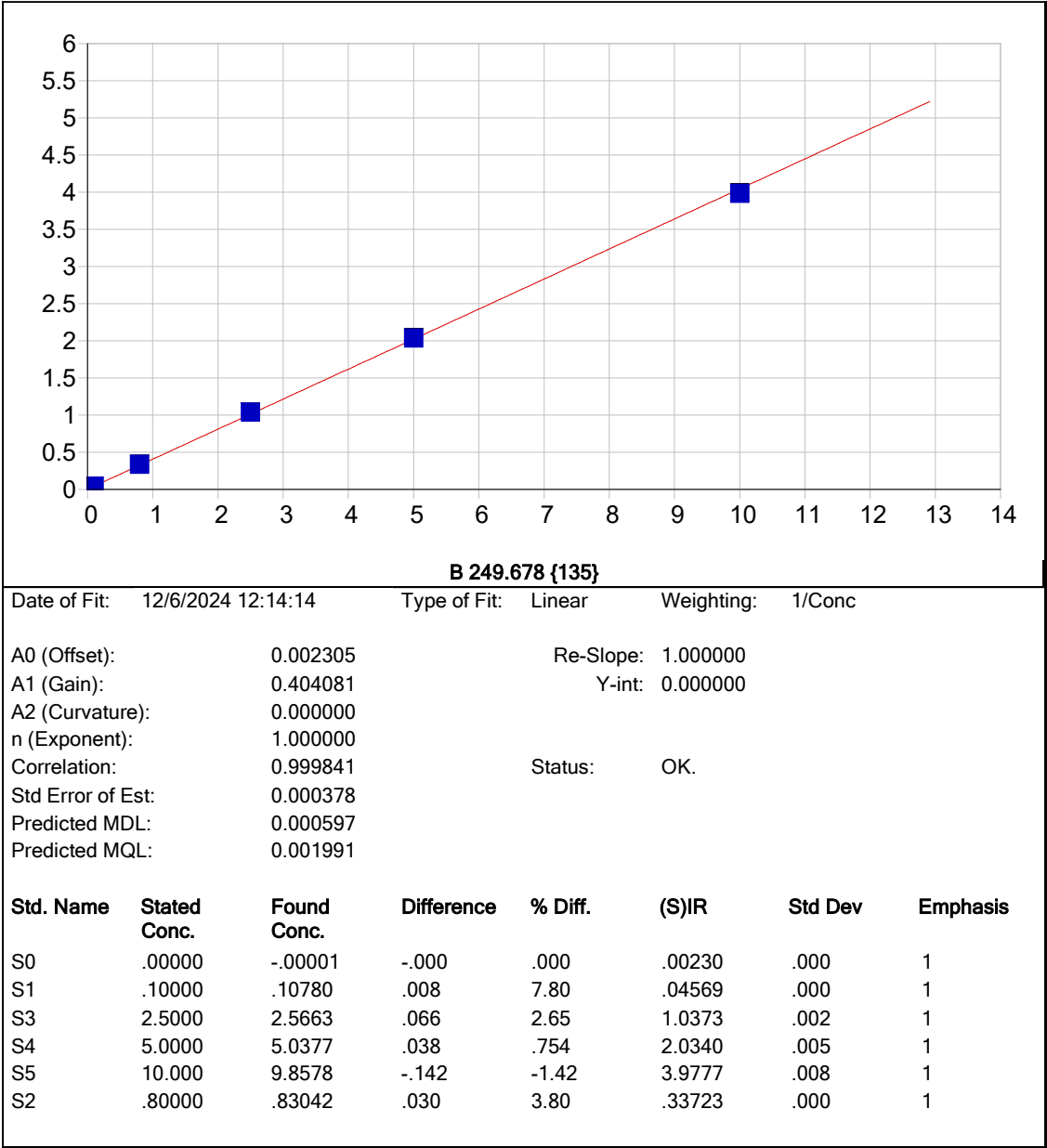


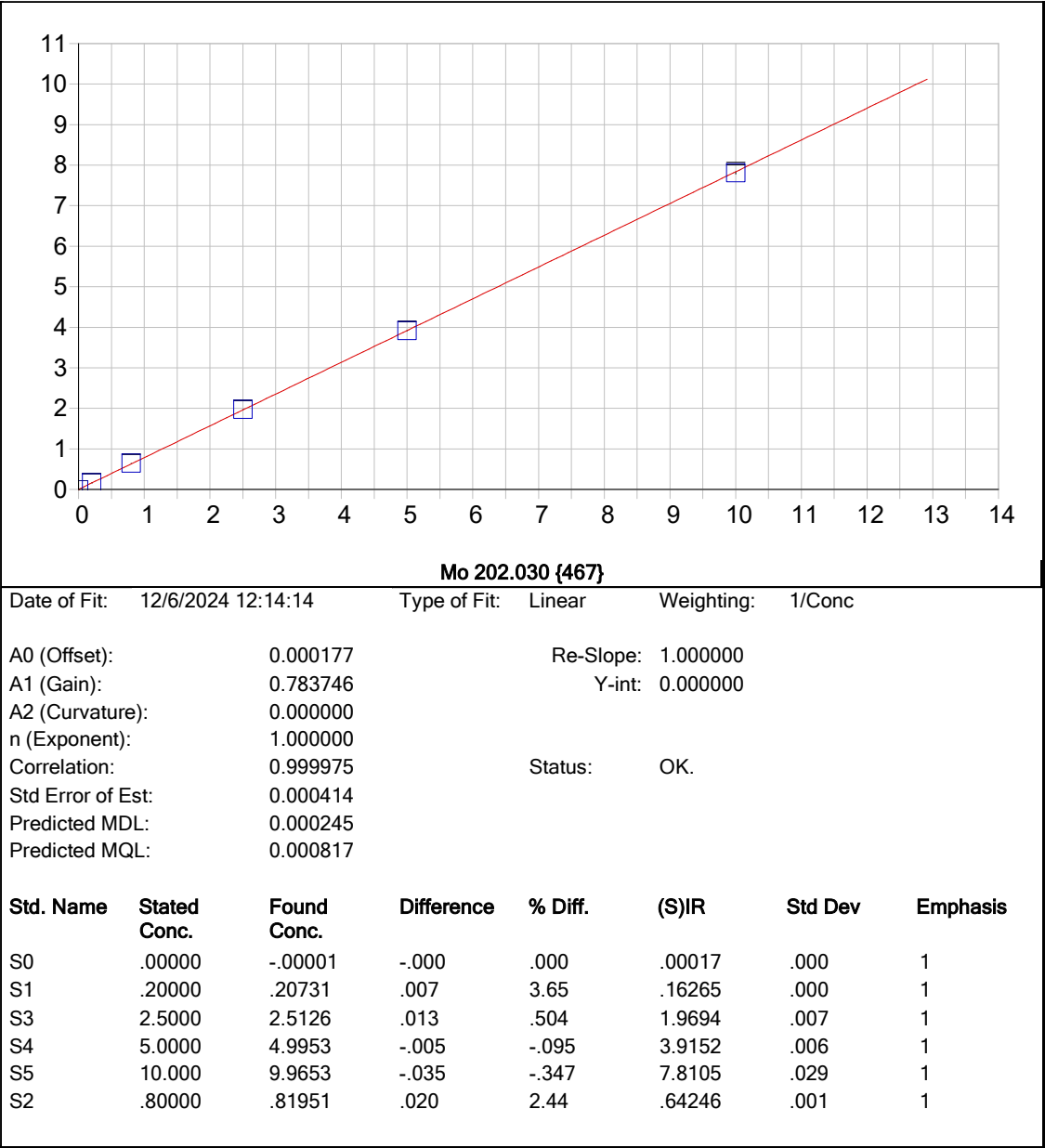


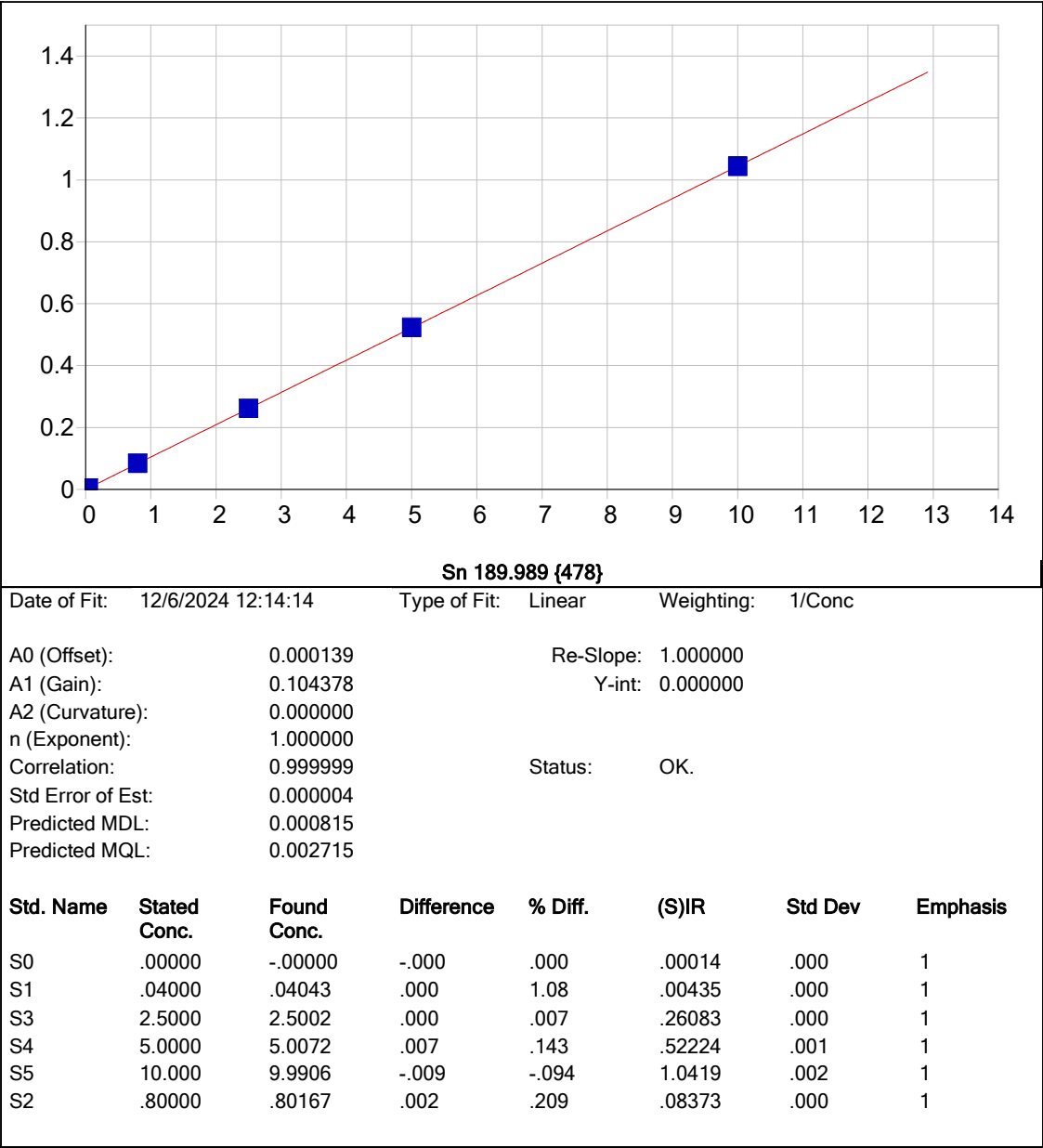


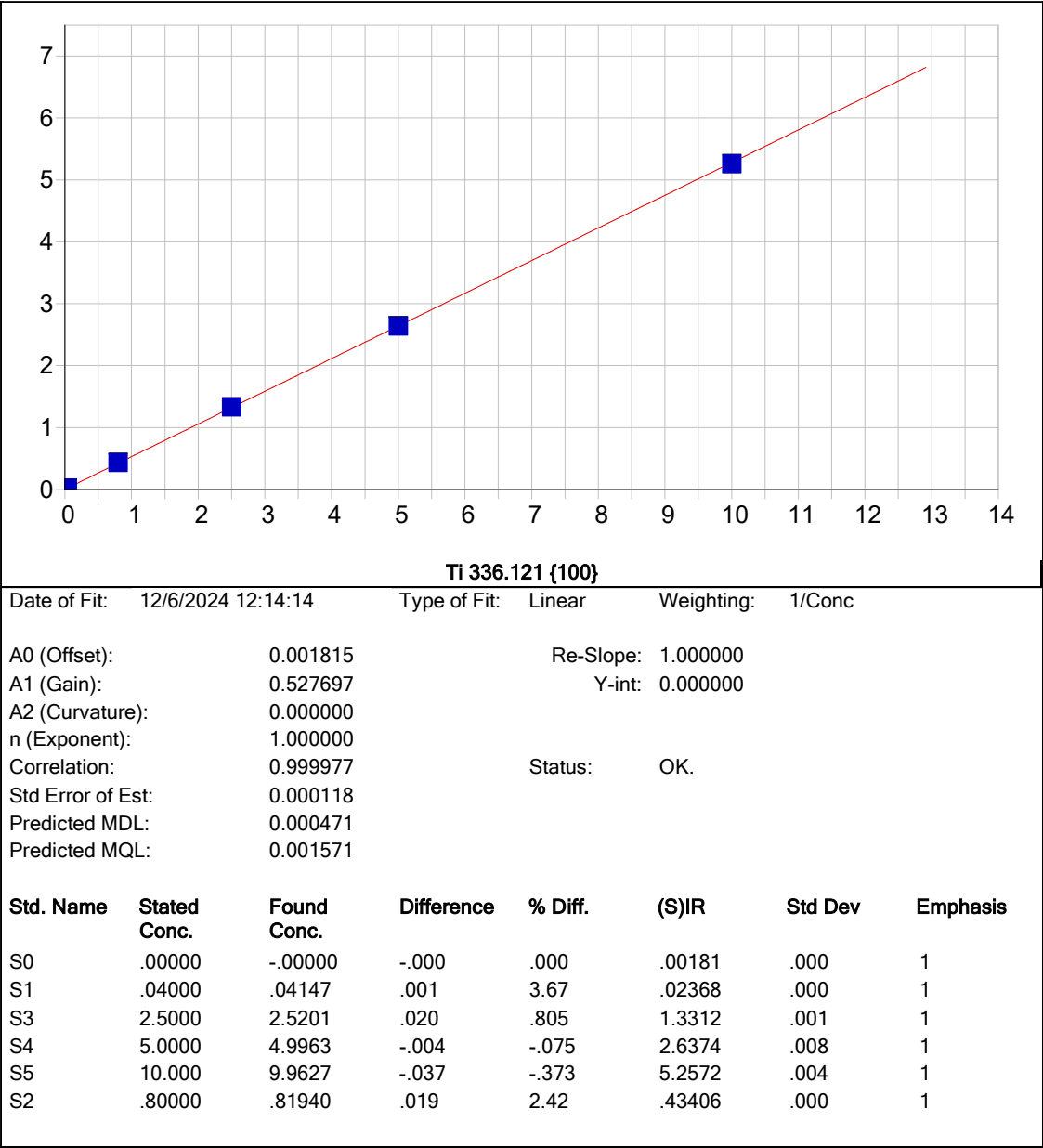


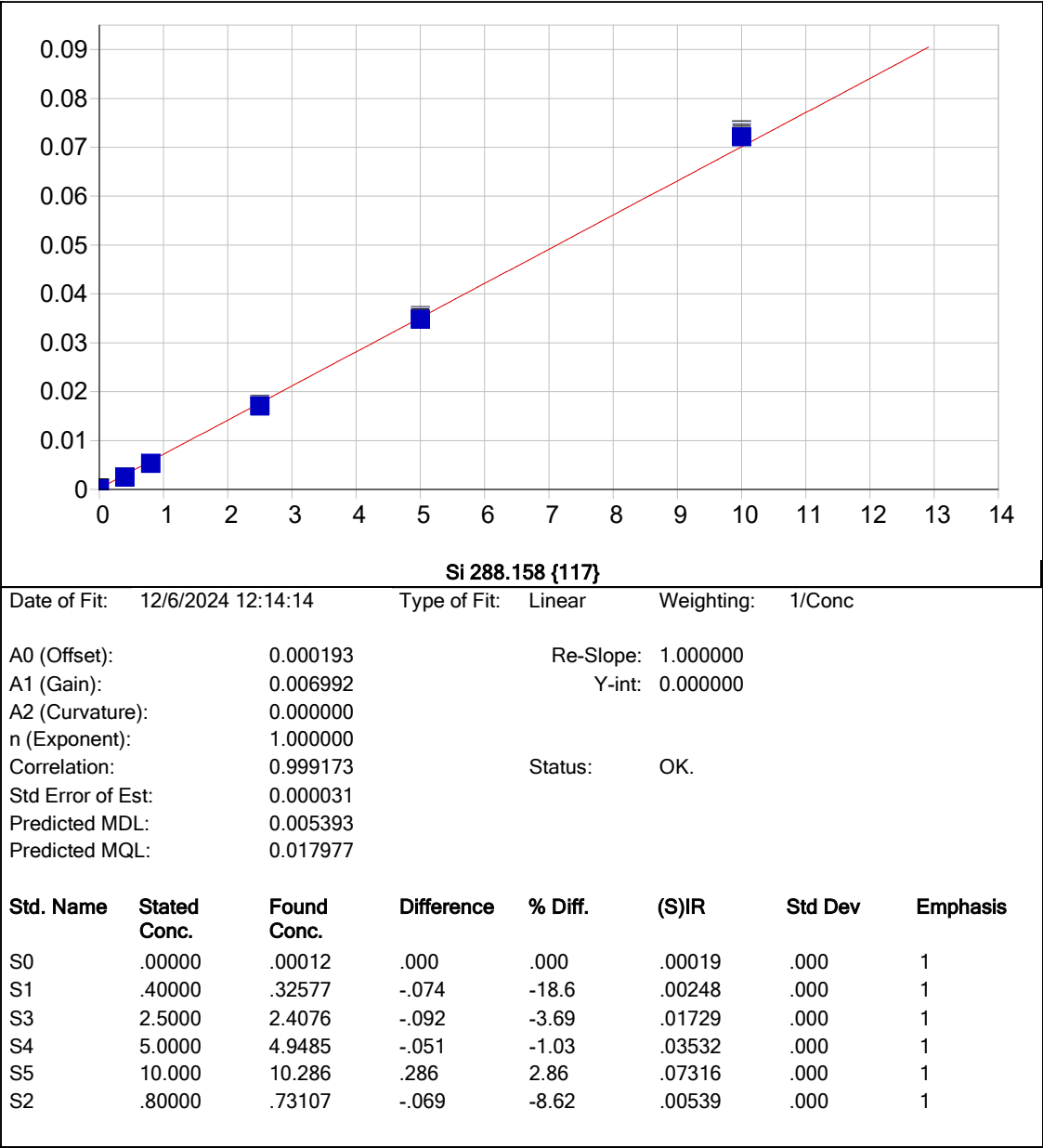


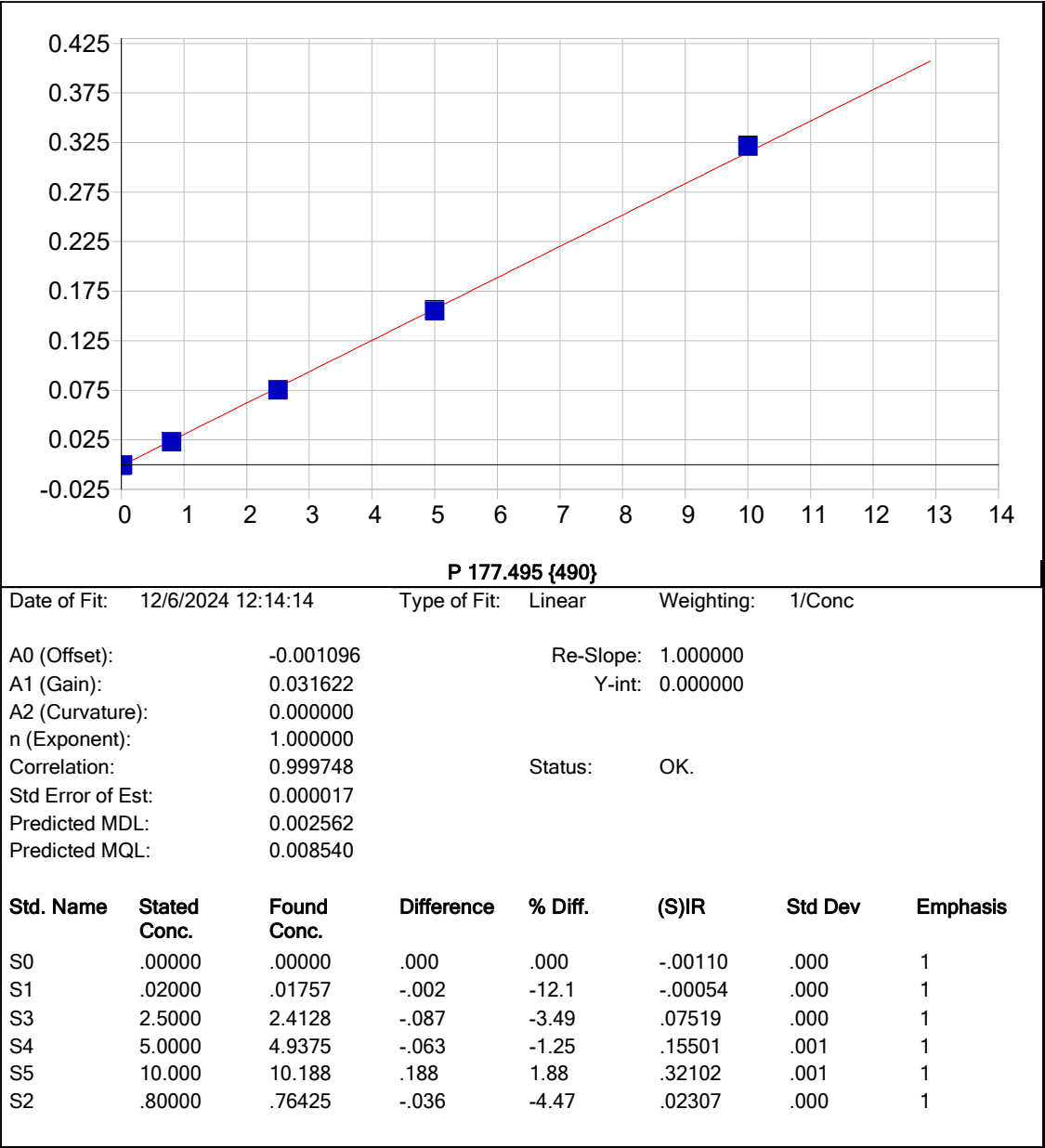


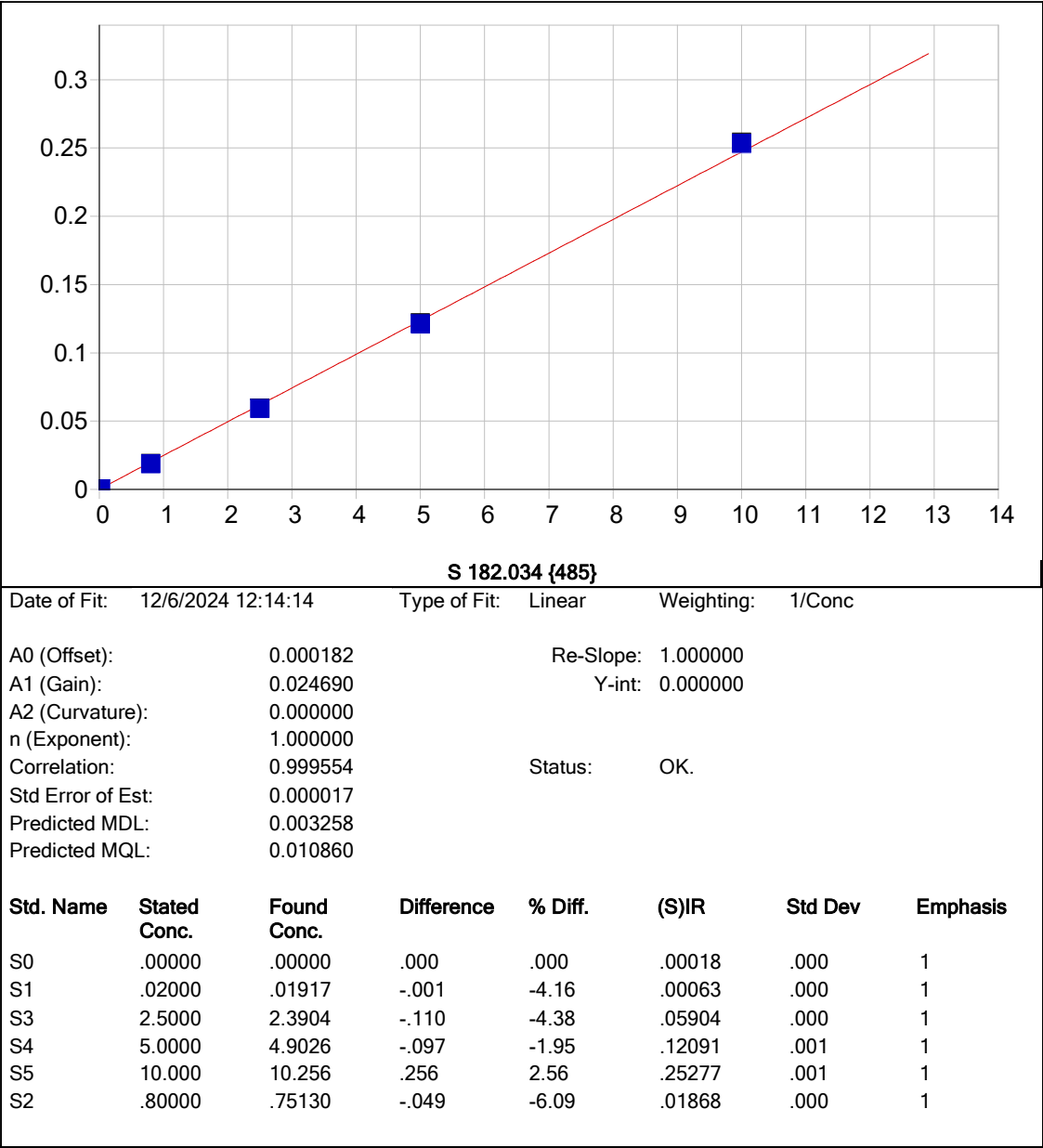


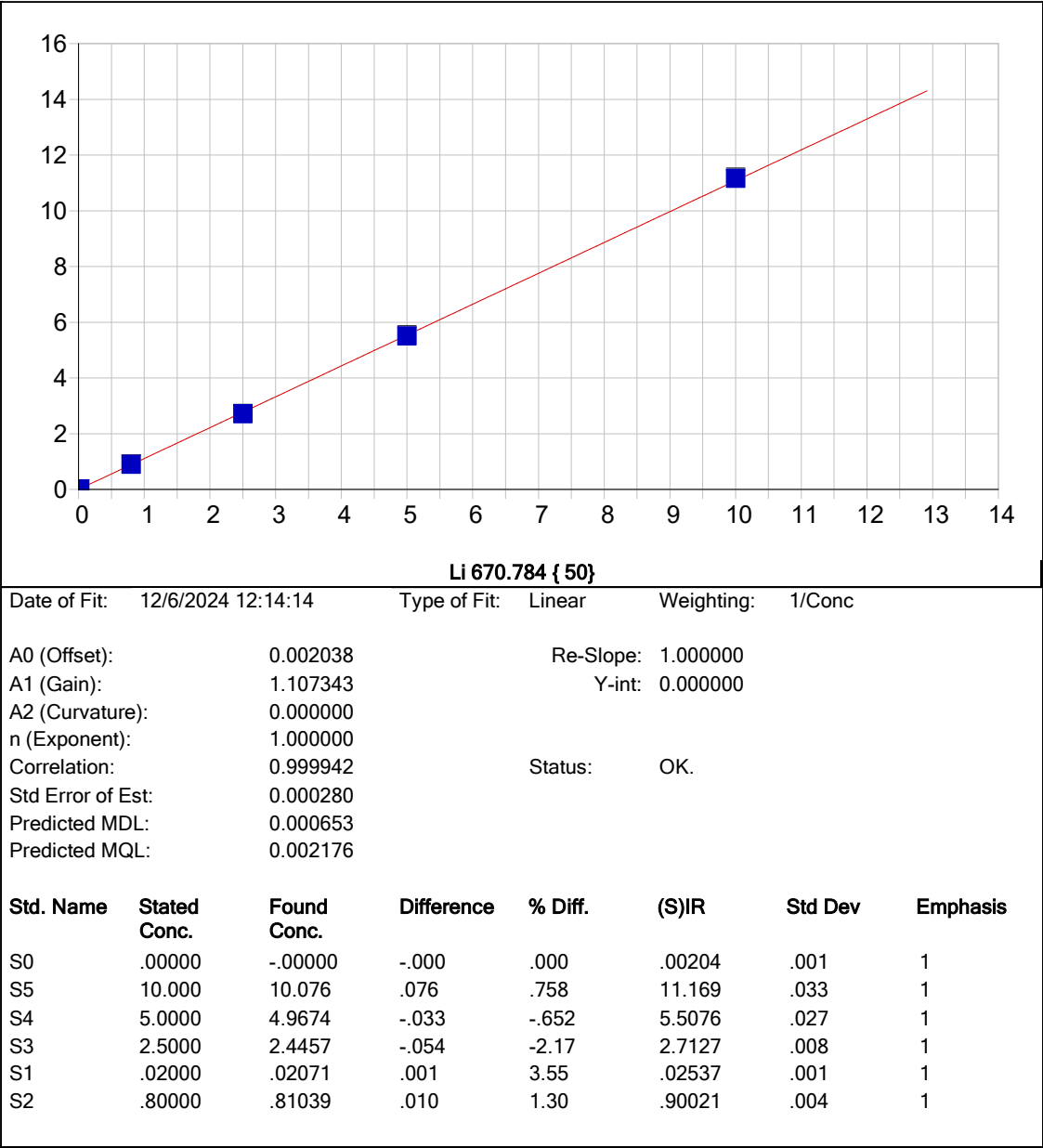


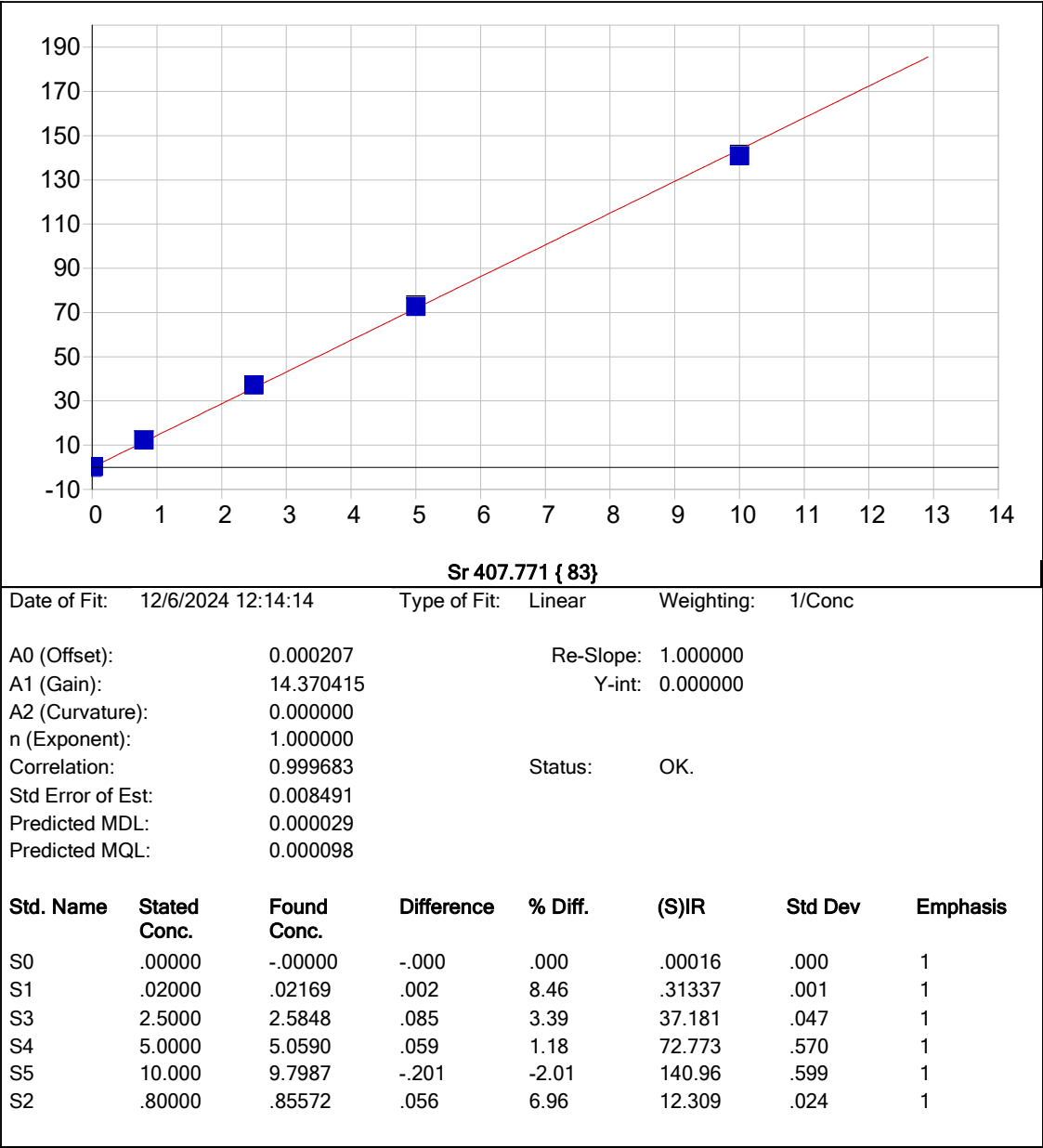


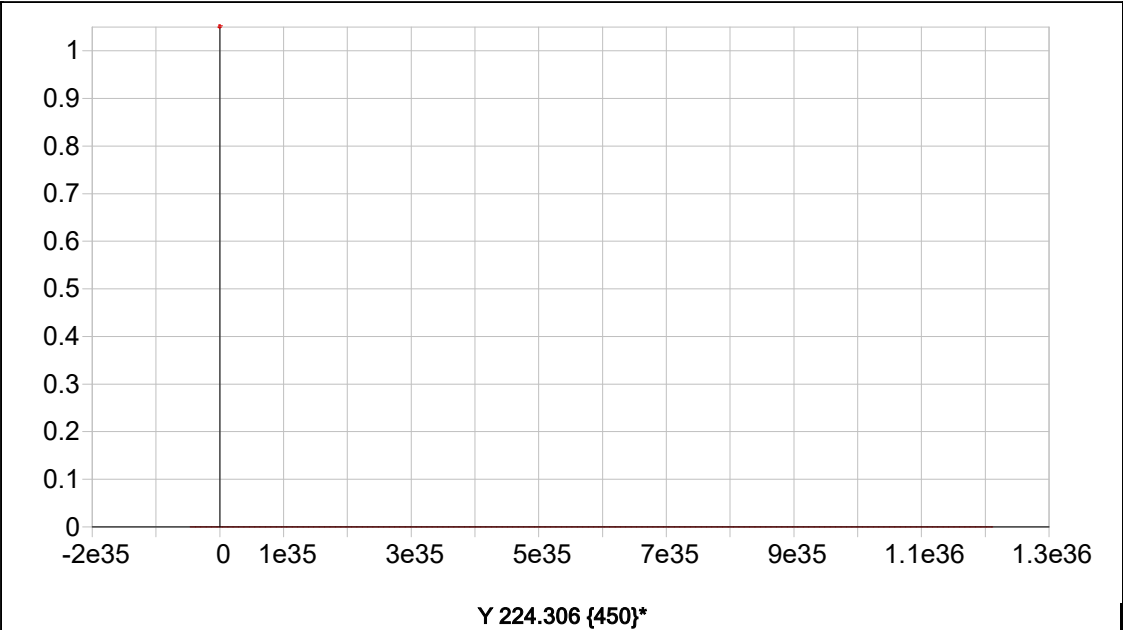






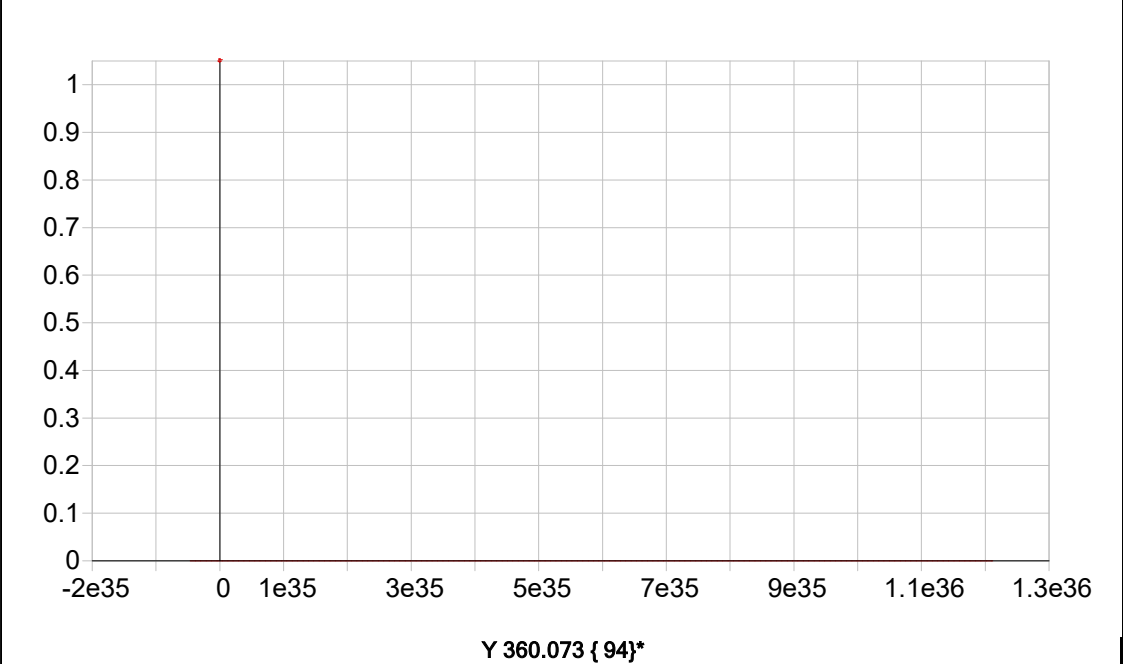




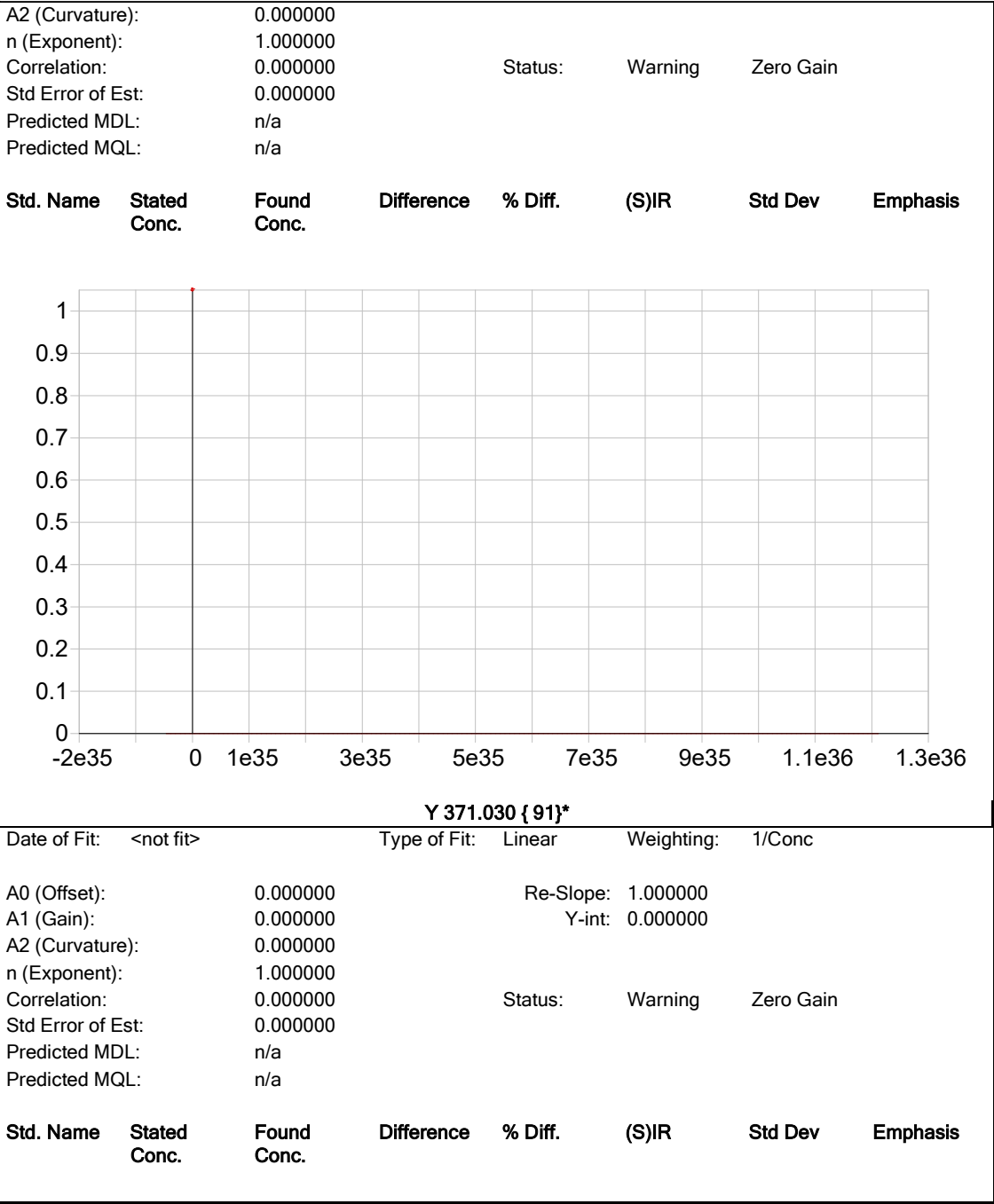


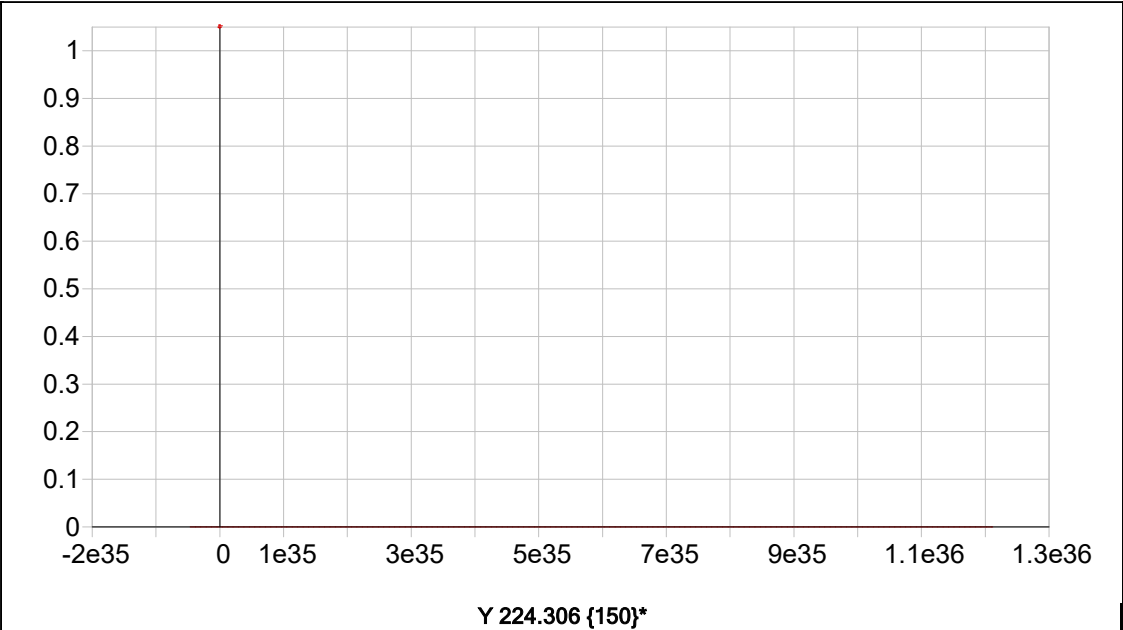
A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

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

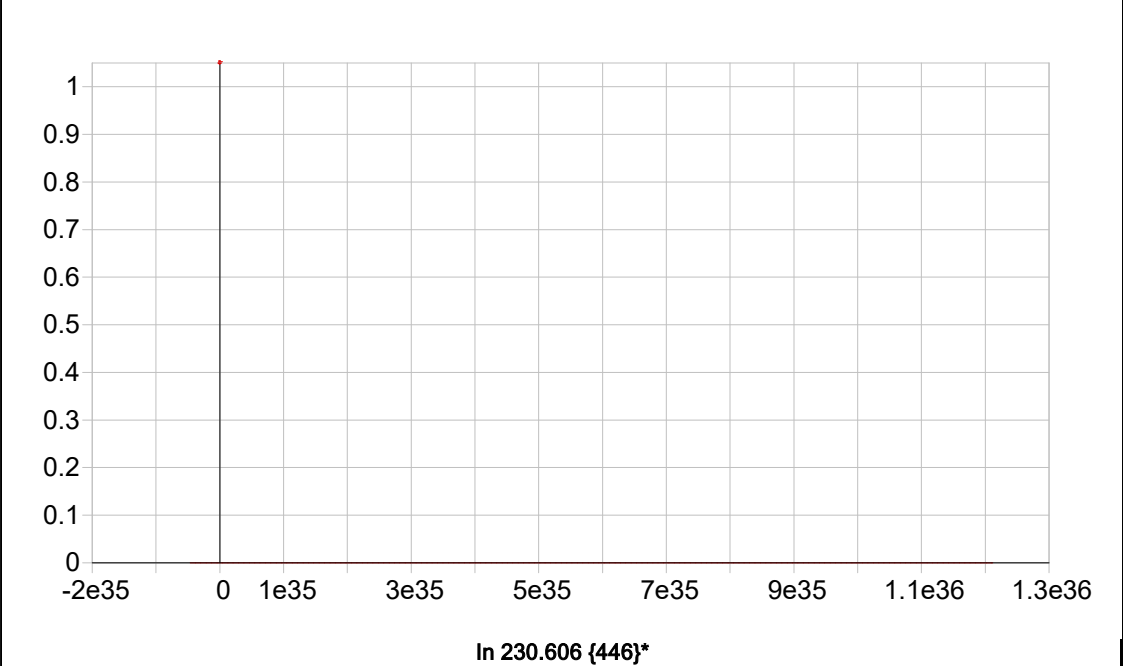


A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000





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



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

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

Sample Name: S0 Acquired: 12/6/2024 11:48:28 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	-.00022	-.00039	-.00021	.00050	.00008	.00032	-.01688	-.00067
Stddev	.00002	.00004	.00004	.00012	.00000	.00014	.00255	.00021
%RSD	9.9345	10.231	19.012	24.771	5.7055	43.023	15.090	31.974

#1	-.00023	-.00040	-.00020	.00064	.00008	.00019	-.01863	-.00056
#2	-.00023	-.00034	-.00017	.00043	.00007	.00046	-.01806	-.00053
#3	-.00019	-.00042	-.00025	.00043	.00007	.00031	-.01396	-.00091

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	-.00024	.00207	-.00001	-.00002	.00693	-.00000	-.00001	-.00015
Stddev	.00005	.00027	.00003	.00014	.00027	.00001	.00001	.00003
%RSD	20.969	13.090	231.16	663.28	3.8603	518.15	150.00	17.668

#1	-.00019	.00197	.00002	.00014	.00667	.00001	-.00001	-.00016
#2	-.00025	.00237	-.00001	-.00011	.00692	-.00001	.00000	-.00017
#3	-.00029	.00185	-.00005	-.00010	.00721	-.00001	-.00002	-.00012

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00021	-.00121	.00538	.00001	.00614	.00128	.00230	.00017
Stddev	.00018	.00008	.00032	.00003	.00009	.00019	.00006	.00010
%RSD	85.908	6.4949	5.8705	333.60	1.5196	14.960	2.5719	62.027

#1	-.00038	-.00130	.00502	.00000	.00619	.00111	.00223	.00025
#2	-.00022	-.00119	.00548	-.00002	.00603	.00125	.00233	.00019
#3	-.00002	-.00115	.00563	.00004	.00620	.00148	.00234	.00005

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	.00014	.00181	.00019	-.00110	.00018	.00204	.00016	
Stddev	.00005	.00011	.00004	.00011	.00001	.00073	.00019	
%RSD	35.019	6.2799	18.694	10.036	6.8841	35.789	120.82	

#1	.00013	.00189	.00018	-.00099	.00017	.00120	.00013	
#2	.00010	.00168	.00024	-.00109	.00019	.00242	.00036	
#3	.00019	.00187	.00017	-.00121	.00019	.00250	-.00002	

Sample Name: S0 Acquired: 12/6/2024 11:48:28 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	2726.8	63449.	13609.	1900.6	4609.0
Stddev	.2	69.	42.	.6	4.2
%RSD	.00862	.10823	.30855	.03160	.09168
#1	2726.5	63383.	13561.	1901.2	4604.5
#2	2727.0	63520.	13634.	1900.0	4609.9
#3	2726.8	63444.	13632.	1900.6	4612.8

Sample Name: S1 Acquired: 12/6/2024 11:52:52 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	.00124	.00199	.00251	.00213	.01227	.00889	.34470	.02158
Stddev	.00016	.00007	.00023	.00007	.00013	.00041	.00276	.00025
%RSD	13.312	3.5660	9.1990	3.0765	1.0804	4.5833	.80000	1.1457

#1	.00139	.00203	.00276	.00208	.01222	.00870	.34748	.02165
#2	.00127	.00191	.00231	.00211	.01217	.00861	.34464	.02178
#3	.00106	.00202	.00245	.00220	.01242	.00935	.34196	.02130

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	.01288	.11126	.00200	.02558	.02425	.00055	.01389	.03243
Stddev	.00006	.00011	.00005	.00009	.00012	.00001	.00013	.00012
%RSD	.44121	.09720	2.7294	.34498	.50394	1.9857	.92044	.37863

#1	.01282	.11123	.00206	.02548	.02412	.00056	.01390	.03229
#2	.01294	.11138	.00198	.02561	.02437	.00054	.01376	.03246
#3	.01288	.11118	.00196	.02565	.02426	.00055	.01402	.03253

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	.02435	.00151	.06449	.00506	.14998	.01942	.04569	.16265
Stddev	.00010	.00001	.00010	.00003	.00045	.00005	.00004	.00021
%RSD	.39075	.52897	.15682	.59473	.30190	.24070	.09103	.12888

#1	.02445	.00151	.06438	.00506	.14997	.01938	.04566	.16264
#2	.02426	.00152	.06452	.00503	.15044	.01947	.04574	.16245
#3	.02433	.00151	.06457	.00509	.14954	.01941	.04568	.16287

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	.00435	.02368	.00248	-.00054	.00063	.02537	.31337
Stddev	.00010	.00030	.00000	.00002	.00005	.00069	.00118
%RSD	2.2446	1.2511	.07589	4.6000	8.6648	2.7008	.37600

#1	.00431	.02364	.00248	-.00057	.00058	.02505	.31467
#2	.00447	.02400	.00248	-.00052	.00068	.02616	.31308
#3	.00428	.02341	.00247	-.00053	.00064	.02490	.31236

Sample Name: S1 Acquired: 12/6/2024 11:52:52 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	2661.0	62452.	13516.	1900.7	4451.8
Stddev	4.9	137.	25.	4.1	6.3
%RSD	.18417	.22006	.18737	.21581	.14197
#1	2656.4	62294.	13506.	1897.5	4446.9
#2	2666.2	62545.	13498.	1905.3	4458.9
#3	2660.3	62517.	13545.	1899.2	4449.5

Sample Name: S2 Acquired: 12/6/2024 11:57:15 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	.05784	.05027	.18901	.07422	.19055	.12781	5.7760	.14622
Stddev	.00022	.00031	.00023	.00020	.00026	.00083	.0064	.00016
%RSD	.38708	.62251	.12073	.27165	.13396	.64780	.11058	.10894

#1	.05759	.05050	.18924	.07437	.19054	.12876	5.7834	.14635
#2	.05791	.05039	.18879	.07399	.19081	.12748	5.7717	.14626
#3	.05801	.04991	.18899	.07430	.19030	.12720	5.7731	.14604

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	.85459	.21449	.03314	.34432	.16582	.00456	.26728	.05995
Stddev	.00097	.00065	.00012	.00070	.00042	.00003	.00031	.00012
%RSD	.11314	.30524	.35998	.20275	.25388	.64700	.11621	.19893

#1	.85478	.21446	.03301	.34455	.16539	.00453	.26743	.05999
#2	.85354	.21515	.03315	.34354	.16585	.00457	.26692	.05982
#3	.85544	.21384	.03325	.34488	.16623	.00458	.26748	.06005

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	.24632	.05250	.12260	.05200	1.4272	.03713	.33723	.64246
Stddev	.00071	.00013	.00035	.00039	.0010	.00015	.00040	.00137
%RSD	.28661	.25630	.28174	.74709	.06969	.39071	.11821	.21279

#1	.24658	.05242	.12298	.05240	1.4278	.03707	.33742	.64177
#2	.24552	.05265	.12250	.05163	1.4278	.03703	.33750	.64404
#3	.24686	.05242	.12231	.05197	1.4261	.03730	.33677	.64158

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	.08373	.43406	.00539	.02307	.01868	.90021	12.309
Stddev	.00022	.00038	.00003	.00009	.00013	.00387	.024
%RSD	.26632	.08817	.51709	.37651	.71477	.42990	.19755

#1	.08366	.43362	.00536	.02317	.01863	.90392	12.336
#2	.08355	.43433	.00540	.02303	.01883	.89620	12.301
#3	.08398	.43422	.00541	.02301	.01858	.90052	12.289

Sample Name: S2 Acquired: 12/6/2024 11:57:15 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	2667.5	62460.	13697.	1885.4	4388.1
Stddev	5.8	71.	31.	3.4	1.1
%RSD	.21904	.11361	.22366	.18296	.02397
#1	2673.5	62378.	13662.	1881.5	4389.0
#2	2661.8	62506.	13708.	1886.8	4388.3
#3	2667.1	62495.	13720.	1887.9	4386.9

Sample Name: S3 Acquired: 12/6/2024 12:01:33 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	.18085	.15450	.58576	.23149	.58639	.39274	17.585	.44658
Stddev	.00017	.00169	.00055	.00044	.00232	.00019	.144	.00196
%RSD	.09336	1.0966	.09354	.19037	.39623	.04964	.82091	.43897

#1	.18068	.15539	.58630	.23184	.58451	.39292	17.420	.44508
#2	.18102	.15255	.58520	.23100	.58568	.39253	17.690	.44880
#3	.18086	.15556	.58577	.23164	.58899	.39277	17.644	.44587

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	2.6641	.64879	.10166	1.0591	.50534	.01408	.80192	.18374
Stddev	.0021	.00141	.00021	.0010	.00132	.00004	.00162	.00083
%RSD	.08037	.21698	.20379	.08964	.26181	.27301	.20232	.45327

#1	2.6666	.64717	.10149	1.0593	.50390	.01411	.80378	.18303
#2	2.6627	.64970	.10160	1.0599	.50562	.01404	.80116	.18353
#3	2.6630	.64950	.10189	1.0581	.50650	.01408	.80082	.18466

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	.75505	.16190	.37429	.15923	4.3369	.11327	1.0373	1.9694
Stddev	.00076	.00032	.00209	.00019	.0079	.00008	.0020	.0069
%RSD	.10005	.19873	.55816	.11805	.18221	.06671	.19677	.35081

#1	.75592	.16183	.37660	.15902	4.3295	.11320	1.0350	1.9634
#2	.75460	.16163	.37374	.15931	4.3359	.11335	1.0385	1.9678
#3	.75462	.16226	.37254	.15937	4.3452	.11325	1.0385	1.9770

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	.26083	1.3312	.01729	.07519	.05904	2.7127	37.181
Stddev	.00034	.0007	.00009	.00031	.00031	.0078	.047
%RSD	.13149	.05290	.54325	.41594	.52679	.28878	.12530

#1	.26109	1.3306	.01735	.07522	.05901	2.7182	37.138
#2	.26044	1.3320	.01718	.07486	.05875	2.7162	37.173
#3	.26097	1.3310	.01733	.07549	.05937	2.7037	37.231

Sample Name: S3 Acquired: 12/6/2024 12:01:33 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	2593.8	60852.	13615.	1824.9	4173.5
Stddev	7.1	179.	6.	6.4	3.8
%RSD	.27194	.29383	.04216	.35261	.09046
#1	2601.1	60755.	13622.	1826.0	4175.0
#2	2593.3	61058.	13613.	1830.6	4176.3
#3	2587.0	60742.	13611.	1817.9	4169.2

Sample Name: S4 Acquired: 12/6/2024 12:05:51 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	.36554	.30250	1.1621	.46556	1.1846	.78516	34.921	.86834
Stddev	.00079	.00495	.0017	.00117	.0020	.00178	.431	.00227
%RSD	.21658	1.6358	.14556	.25119	.17135	.22708	1.2356	.26158

#1	.36577	.30765	1.1636	.46684	1.1862	.78487	35.306	.87096
#2	.36620	.30206	1.1602	.46530	1.1853	.78354	35.002	.86686
#3	.36466	.29778	1.1624	.46454	1.1823	.78707	34.455	.86721

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	5.3448	1.2734	.19995	2.1240	.99731	.02816	1.5676	.36442
Stddev	.0076	.0027	.00033	.0011	.00035	.00006	.0069	.00059
%RSD	.14179	.21360	.16719	.05070	.03465	.21818	.44340	.16099

#1	5.3475	1.2763	.20030	2.1248	.99728	.02820	1.5756	.36399
#2	5.3362	1.2727	.19993	2.1228	.99698	.02818	1.5640	.36508
#3	5.3507	1.2710	.19963	2.1246	.99767	.02809	1.5632	.36418

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	1.5061	.32406	.77332	.31601	8.6246	.23141	2.0340	3.9152
Stddev	.0017	.00061	.00703	.00038	.0096	.00058	.0055	.0055
%RSD	.11513	.18920	.90968	.11985	.11105	.25132	.26906	.14075

#1	1.5081	.32471	.78114	.31643	8.6150	.23208	2.0403	3.9215
#2	1.5047	.32396	.77129	.31591	8.6342	.23114	2.0301	3.9128
#3	1.5056	.32350	.76752	.31570	8.6246	.23102	2.0316	3.9113

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	.52224	2.6374	.03532	.15501	.12091	5.5076	72.773
Stddev	.00113	.0079	.00020	.00120	.00057	.0269	.570
%RSD	.21626	.29837	.55316	.77262	.46817	.48845	.78301

#1	.52340	2.6464	.03510	.15596	.12156	5.5318	73.138
#2	.52115	2.6320	.03546	.15540	.12064	5.4787	73.064
#3	.52217	2.6337	.03540	.15367	.12053	5.5125	72.116

Sample Name: S4 Acquired: 12/6/2024 12:05:51 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	2510.6	59526.	13603.	1753.8	3984.4
Stddev	2.9	145.	48.	2.0	6.3
%RSD	.11432	.24403	.35479	.11441	.15924
#1	2510.4	59398.	13548.	1755.3	3980.2
#2	2507.9	59496.	13625.	1751.5	3981.2
#3	2513.6	59684.	13637.	1754.5	3991.7

Sample Name: S5 Acquired: 12/6/2024 12:10:03 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	.74881	.59614	2.3164	.95335	2.4247	1.5829	69.041	1.6842
Stddev	.00239	.00576	.0037	.00406	.0092	.0007	.463	.0087
%RSD	.31935	.96619	.16011	.42629	.38084	.04359	.67031	.51677

#1	.74754	.59174	2.3136	.95113	2.4206	1.5834	68.518	1.6941
#2	.74732	.59403	2.3149	.95087	2.4182	1.5821	69.397	1.6780
#3	.75157	.60266	2.3206	.95804	2.4352	1.5832	69.208	1.6804

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	10.707	2.5099	.39018	4.2825	1.9841	.05615	3.0893	.73077
Stddev	.017	.0047	.00156	.0063	.0052	.00010	.0034	.00188
%RSD	.15737	.18821	.39952	.14646	.26215	.18216	.10975	.25677

#1	10.688	2.5150	.39195	4.2759	1.9809	.05616	3.0919	.73288
#2	10.714	2.5058	.38961	4.2834	1.9813	.05624	3.0904	.73017
#3	10.719	2.5088	.38900	4.2883	1.9901	.05604	3.0855	.72927

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	3.0177	.65076	1.5863	.62700	16.849	.47783	3.9777	7.8105
Stddev	.0040	.00042	.0048	.00048	.076	.00160	.0076	.0286
%RSD	.13274	.06467	.30056	.07666	.45128	.33567	.19203	.36674

#1	3.0131	.65125	1.5861	.62705	16.835	.47620	3.9857	7.7889
#2	3.0204	.65048	1.5912	.62650	16.932	.47941	3.9705	7.7996
#3	3.0197	.65056	1.5817	.62745	16.781	.47788	3.9769	7.8430

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	1.0419	5.2572	.07316	.32102	.25277	11.169	140.96
Stddev	.0016	.0044	.00034	.00106	.00076	.033	.60
%RSD	.15731	.08416	.46468	.32970	.30031	.29966	.42476

#1	1.0401	5.2597	.07278	.32086	.25192	11.131	140.32
#2	1.0422	5.2599	.07342	.32004	.25302	11.190	141.04
#3	1.0433	5.2521	.07330	.32214	.25338	11.187	141.51

Sample Name: S5 Acquired: 12/6/2024 12:10:03 Type: Cal
Method: NON EPA-6010-200.7(v2499) 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	2360.9	57482.	13409.	1652.1	3692.2
Stddev	6.0	136.	42.	12.3	7.5
%RSD	.25338	.23586	.31296	.74679	.20182
#1	2365.9	57426.	13363.	1654.2	3700.7
#2	2362.4	57383.	13416.	1638.9	3688.2
#3	2354.3	57636.	13446.	1663.3	3687.5

Sample Name: ICV01 Acquired: 12/6/2024 12:14:17 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.9950069	1.038737	.9999449	1.028630	1.019173	2.569841
Stddev	.0028617	.010441	.0007274	.004002	.003013	.012211
%RSD	.2876079	1.005143	.0727429	.3890846	.2956281	.4751669

#1	.9945823	1.047529	1.000375	1.029905	1.019067	2.556201
#2	.9980571	1.041486	.999105	1.031840	1.022237	2.579753
#3	.9923812	1.027197	1.000355	1.024146	1.016214	2.573570

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5157129	.5176569	.5034005	10.08203	.5262517	.5120550
Stddev	.0009090	.0010968	.0008408	.01544	.0017604	.0003531
%RSD	.1762651	.2118779	.1670290	.1531862	.3345245	.0689680

#1	.5158260	.5169744	.5034715	10.09811	.5246065	.5117838
#2	.5147527	.5189221	.5025265	10.08068	.5281082	.5119268
#3	.5165601	.5170742	.5042036	10.06731	.5260403	.5124543

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5279246	9.869855	.5211655	5.929339	.5140424	.2530267
Stddev	.0002850	.030712	.0020728	.026434	.0002354	.0003611
%RSD	.0539772	.3111736	.3977163	.4458142	.0457855	.1427094

#1	.5278434	9.901266	.5228964	5.959823	.5140461	.2526507
#2	.5282413	9.839892	.5188685	5.915430	.5138052	.2530584
#3	.5276891	9.868408	.5217317	5.912763	.5142758	.2533708

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.548372	.5127348	1.032034	9.768405	F .0171183	F .0008645
Stddev	.023525	.0021372	.001802	.041022	.0001846	.0002317
%RSD	.2463789	.4168232	.1746177	.4199441	1.078452	26.79697

#1	9.538203	.5119341	1.034098	9.771677	.0173089	.0009795
#2	9.531642	.5111136	1.030772	9.725846	.0171057	.0010162
#3	9.575271	.5151567	1.031233	9.807693	.0169403	.0005979

Sample Name: ICV01 Acquired: 12/6/2024 12:14:17 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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 -.001003	F -.000268	F .0016140	F .0055422	F .0000184	F -.001585
Stddev	.000688	.000307	.0040285	.0007679	.0016537	.000273
%RSD	68.59483	114.5122	249.5954	13.85517	8991.099	17.22181
#1	-.000286	.000086	-.002485	.0064252	-.001224	-.001755
#2	-.001658	-.000446	.001759	.0050310	.001895	-.001730
#3	-.001065	-.000446	.005568	.0051704	-.000616	-.001270

Elem	Sr4077
Units	ppm
Avg	F -.008410
Stddev	.000012
%RSD	.1414048
#1	-.008417
#2	-.008396
#3	-.008416

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2559.778	61204.47	13834.45	1784.520	4254.546
Stddev	.382	131.57	35.12	8.527	3.748
%RSD	.0149323	.2149605	.2538940	.4778404	.0881026
#1	2559.485	61072.23	13793.89	1775.295	4257.848
#2	2559.640	61335.34	13854.28	1792.114	4255.320
#3	2560.210	61205.83	13855.17	1786.150	4250.472

Sample Name: LLICV01 Acquired: 12/6/2024 12:20:00 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0197574	.0401282	.0105228	.0179678	.0510959	.1047103	.0969324
Stddev	.0016683	.0019763	.0002140	.0018892	.0007199	.0051237	.0005104
%RSD	8.443734	4.924947	2.033246	10.51419	1.408942	4.893188	.5264997

#1	.0216661	.0410829	.0107088	.0201037	.0507401	.0988443	.0963998
#2	.0185779	.0378558	.0102889	.0165158	.0506232	.1069768	.0974171
#3	.0190283	.0414458	.0105705	.0172839	.0519244	.1083099	.0969803

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061992	.0059792	2.047987	.0100479	.0295078	.0221209	.0980836
Stddev	.0000459	.0000366	.004877	.0000849	.0001777	.0003021	.0031014
%RSD	.7405079	.6127171	.2381501	.8448687	.6021712	1.365481	3.161978

#1	.0061470	.0059705	2.044714	.0100289	.0295120	.0218344	.0986080
#2	.0062332	.0059476	2.053593	.0101407	.0296834	.0224364	.1008894
#3	.0062174	.0060193	2.045654	.0099741	.0293281	.0220918	.0947535

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206428	2.135528	.0395155	.0105519	1.810484	.0398113	.0421728
Stddev	.0003721	.018403	.0002696	.0002891	.006134	.0006520	.0003351
%RSD	1.802700	.8617437	.6822485	2.740130	.3388003	1.637633	.7944888

#1	.0203251	2.128560	.0392208	.0102347	1.803908	.0399039	.0419749
#2	.0205511	2.121627	.0397498	.0106204	1.811493	.0404120	.0419838
#3	.0210522	2.156398	.0395761	.0108007	1.816051	.0391180	.0425596

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.892993	.1096103	.2064980	.0386066	.0398072	.3250473	.0172820
Stddev	.026283	.0002841	.0003329	.0011064	.0004682	.0074770	.0025005
%RSD	1.388412	.2591782	.1611992	2.865741	1.176147	2.300288	14.46887

#1	1.862735	.1099217	.2063649	.0373491	.0403476	.3219443	.0144522
#2	1.910148	.1093654	.2068768	.0390404	.0395516	.3196213	.0191935
#3	1.906097	.1095437	.2062523	.0394304	.0395225	.3335762	.0182004

Sample Name: LLICV01 Acquired: 12/6/2024 12:20:00 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0186481	.0190730	.0208366
Stddev	.0014159	.0008382	.0000543
%RSD	7.592906	4.394694	.2606892
#1	.0178629	.0181053	.0207794
#2	.0177988	.0195718	.0208874
#3	.0202827	.0195420	.0208429

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2628.144	62337.53	13815.33	1818.083	4469.142
Stddev	5.077	115.47	34.64	3.778	4.438
%RSD	.1931852	.1852287	.2507068	.2078179	.0993123
#1	2625.606	62291.99	13781.70	1815.335	4467.064
#2	2624.837	62468.82	13813.39	1822.392	4466.124
#3	2633.990	62251.77	13850.89	1816.522	4474.239

Sample Name: ICB01 Acquired: 12/6/2024 12:24:17 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0000253	-.000293	-.000761	-.000901	.0007179	-.002897	-.001949
Stddev	.0009467	.001024	.000053	.001988	.0002503	.005373	.000579
%RSD	3735.830	349.6381	6.986214	220.7912	34.86452	185.4472	29.70832

#1	-.001067	-.000243	-.000816	-.000789	.0008415	-.008956	-.002000
#2	.000602	.000705	-.000710	-.002942	.0008824	-.001023	-.002501
#3	.000541	-.001341	-.000758	.001030	.0004299	.001287	-.001346

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000747	.0000272	-.007974	.0000199	.0000095	-.000472	-.000292
Stddev	.0000312	.0000680	.005365	.0001304	.0001458	.000373	.002155
%RSD	41.74590	250.0801	67.28682	656.6102	1536.797	79.01908	737.7539

#1	.0000689	.0000220	-.002624	-.000102	.0001542	-.000671	.001237
#2	.0000468	.0000976	-.013355	.000157	.0000118	-.000042	.000643
#3	.0001084	-.000038	-.007943	.000005	-.000137	-.000702	-.002756

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000079	.0021320	.0002536	.0002897	-.024239	.0001112	-.001036
Stddev	.000206	.0090437	.0000755	.0002962	.010584	.0008309	.000355
%RSD	261.3619	424.1807	29.76968	102.2270	43.66376	747.1582	34.27853

#1	-.000277	-.005748	.0002468	.0004344	-.035854	-.000801	-.000909
#2	-.000093	.012006	.0001818	.0004858	-.021721	.000825	-.001437
#3	.000134	.000138	.0003323	-.000051	-.015141	.000310	-.000761

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.027134	.0025701	.0001850	-.000717	-.000123	-.005075	-.003040
Stddev	.005615	.0002689	.0001896	.000714	.000290	.001741	.001188
%RSD	20.69546	10.46323	102.4880	99.52676	236.6660	34.29779	39.08140

#1	-.032643	.0023176	.0001426	-.000093	-.000054	-.007019	-.002289
#2	-.021418	.0028529	.0003922	-.001496	-.000441	-.004549	-.004410
#3	-.027340	.0025400	.0000202	-.000563	.000127	-.003658	-.002421

Sample Name: ICB01 Acquired: 12/6/2024 12:24:17 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.002511	-.000694	-.000013
Stddev	.001082	.000756	.000008
%RSD	43.10342	108.8764	64.60847
#1	-.001275	-.001553	-.000004
#2	-.002968	-.000398	-.000015
#3	-.003289	-.000131	-.000020

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2630.432	62730.96	13713.69	1842.909	4551.111
Stddev	2.480	127.90	33.54	9.804	3.534
%RSD	.0942910	.2038821	.2445837	.5320090	.0776587
#1	2632.978	62625.70	13675.32	1835.229	4550.209
#2	2628.023	62873.30	13728.32	1853.953	4555.009
#3	2630.293	62693.88	13737.44	1839.546	4548.115

Sample Name: CRI01 Acquired: 12/6/2024 12:28:38 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0201963	.0413979	.0111279	.0198316	.0500760	.1045023	.0974534
Stddev	.0017517	.0006105	.0004816	.0015222	.0004341	.0018720	.0004883
%RSD	8.673097	1.474723	4.327881	7.675573	.8668846	1.791369	.5010490

#1	.0217317	.0415432	.0109969	.0187027	.0503726	.1064286	.0974077
#2	.0182883	.0419226	.0116615	.0215628	.0502777	.1043883	.0979630
#3	.0205689	.0407279	.0107254	.0192294	.0495778	.1026898	.0969896

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061969	.0058934	2.062441	.0100219	.0294539	.0220463	.0965879
Stddev	.0000545	.0000196	.004360	.0001192	.0000219	.0002535	.0029766
%RSD	.8786304	.3329655	.2114025	1.188857	.0742097	1.149838	3.081710

#1	.0062424	.0059076	2.059521	.0099660	.0294359	.0217870	.0936798
#2	.0061366	.0058710	2.060350	.0101587	.0294782	.0220583	.0964553
#3	.0062116	.0059016	2.067453	.0099409	.0294475	.0222936	.0996285

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0209596	2.156755	.0399791	.0102858	1.810461	.0402960	.0424250
Stddev	.0002611	.010422	.0002380	.0000914	.004317	.0004720	.0002633
%RSD	1.245573	.4832234	.5954233	.8883905	.2384321	1.171310	.6207488

#1	.0206582	2.145625	.0400068	.0101838	1.808221	.0400719	.0427249
#2	.0211073	2.166284	.0397284	.0103603	1.815437	.0408382	.0422316
#3	.0211134	2.158355	.0402021	.0103131	1.807724	.0399777	.0423185

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.909635	.1046205	.2075951	.0392162	.0399823	.3276935	.0157701
Stddev	.015574	.0012230	.0002234	.0008271	.0006459	.0023233	.0000421
%RSD	.8155704	1.169006	.1076037	2.109148	1.615600	.7089847	.2667196

#1	1.901684	.1054938	.2073728	.0397868	.0406016	.3292681	.0157218
#2	1.899640	.1051449	.2078196	.0395942	.0400327	.3250251	.0157893
#3	1.927580	.1032227	.2075930	.0382676	.0393126	.3287871	.0157991

Sample Name: CRI01 Acquired: 12/6/2024 12:28:38 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0176617	.0190053	.0208996
Stddev	.0013953	.0004148	.0000993
%RSD	7.900256	2.182674	.4751635
#1	.0165653	.0185448	.0208044
#2	.0171873	.0193496	.0210025
#3	.0192323	.0191215	.0208918

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2623.061	62651.80	13838.39	1840.801	4469.738
Stddev	4.942	24.18	34.59	1.314	6.147
%RSD	.1884121	.0385967	.2499434	.0713570	.1375191
#1	2626.130	62626.00	13847.81	1841.926	4476.799
#2	2617.359	62673.95	13800.07	1841.120	4465.583
#3	2625.693	62655.45	13867.29	1839.358	4466.832

Sample Name: ICSA01 Acquired: 12/6/2024 12:50:59 Type: Unk
Method: NON EPA-6010-200.7(v2500) 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	.0063854	-.002739	.0119258	-.018612	-.002001	266.5186
Stddev	.0033028	.001724	.0036034	.001451	.001288	.7309
%RSD	51.72429	62.95691	30.21493	7.794018	64.33635	.2742523

#1	.0094744	-.004194	.0146562	-.020254	-.003339	265.6864
#2	.0067779	-.000835	.0132797	-.018078	-.001894	267.0565
#3	.0029039	-.003187	.0078416	-.017505	-.000771	266.8129

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018154	.0014751	.0043327	249.8535	.0583485	.0024317
Stddev	.0001730	.0000786	.0001223	.3661	.0005579	.0001563
%RSD	9.527467	5.327302	2.823242	.1465126	.9562160	6.425755

#1	.0016177	.0013864	.0042850	249.6284	.0586934	.0022514
#2	.0019387	.0015030	.0044717	249.6563	.0577048	.0025147
#3	.0018898	.0015359	.0042414	250.2759	.0586473	.0025289

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000591	100.8494	.0048669	272.7946	.0328801	-.001234
Stddev	.000253	.1015	.0003964	.4506	.0004125	.000325
%RSD	42.85432	.1006465	8.143914	.1651949	1.254609	26.33863

#1	-.000308	100.8687	.0044702	273.0765	.0326809	-.001604
#2	-.000796	100.9399	.0052629	272.2748	.0333544	-.000997
#3	-.000671	100.7397	.0048677	273.0324	.0326050	-.001100

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1198943	.0083412	-.006247	.0140736	.0284579	-.000568
Stddev	.0185452	.0008590	.000551	.0300609	.0001910	.000423
%RSD	15.46796	10.29892	8.813736	213.5974	.6711721	74.40550

#1	.1024381	.0091851	-.005682	-.020633	.0282532	-.000136
#2	.1178808	.0074677	-.006278	.031900	.0286313	-.000981
#3	.1393641	.0083707	-.006782	.030954	.0284891	-.000588

Sample Name: ICSA01 Acquired: 12/6/2024 12:50:59 Type: Unk
Method: NON EPA-6010-200.7(v2500) 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	-.004676	-.001326	.0149330	.0099043	-.010352	F -.042326
Stddev	.000862	.000317	.0035167	.0030890	.002167	.000349
%RSD	18.43248	23.93306	23.55013	31.18797	20.93821	.8233658
#1	-.005669	-.001166	.0182420	.0067056	-.010715	-.041947
#2	-.004230	-.001691	.0153170	.0128703	-.012314	-.042400
#3	-.004128	-.001120	.0112400	.0101372	-.008025	-.042632

Elem	Sr4077
Units	ppm
Avg	.0050121
Stddev	.0003446
%RSD	6.875707
#1	.0049978
#2	.0046749
#3	.0053637

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2238.902	53075.65	12894.81	1529.947	3409.916
Stddev	3.345	146.79	5.48	2.091	7.888
%RSD	.1493833	.2765608	.0424993	.1366437	.2313348
#1	2235.912	52928.51	12896.84	1529.764	3403.554
#2	2242.514	53076.36	12898.98	1532.123	3418.742
#3	2238.279	53222.08	12888.60	1527.954	3407.452

Sample Name: ICSAB01 Acquired: 12/6/2024 12:55:37 Type: Unk
Method: NON EPA-6010-200.7(v2501) 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	.1059221	.0813965	.0605307	.0330611	.6084385	264.3929
Stddev	.0034553	.0022020	.0015122	.0019710	.0032580	.6576
%RSD	3.262159	2.705287	2.498289	5.961599	.5354672	.2487206

#1	.1023155	.0799463	.0611061	.0343692	.6060721	264.4402
#2	.1092032	.0803129	.0588152	.0307942	.6070891	263.7129
#3	.1062476	.0839304	.0616707	.0340199	.6121544	265.0256

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5007856	.5067591	1.008522	245.5568	.5613862	.5084212
Stddev	.0007624	.0015132	.001264	.3083	.0015857	.0010860
%RSD	.1522398	.2985984	.1253184	.1255328	.2824689	.2136085

#1	.5016006	.5082893	1.008851	245.2185	.5620442	.5093958
#2	.5000898	.5052636	1.009588	245.6302	.5595773	.5086173
#3	.5006666	.5067245	1.007126	245.8217	.5625370	.5072505

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4859634	99.23169	.4945183	267.9322	1.030547	.1963589
Stddev	.0021362	.24412	.0008962	.6552	.001539	.0006850
%RSD	.4395757	.2460079	.1812226	.2445439	.1493192	.3488267

#1	.4854381	98.99002	.4938786	267.1963	1.029249	.1963172
#2	.4841389	99.47818	.4955426	268.1481	1.032247	.1956957
#3	.4883132	99.22687	.4941337	268.4522	1.030146	.1970637

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1040701	.5013904	.9420485	-.035493	F .0255190	F -.000038
Stddev	.0153071	.0007554	.0019592	.026692	.0003536	.000499
%RSD	14.70843	.1506528	.2079756	75.20350	1.385676	1310.018

#1	.0884675	.5007704	.9399279	-.060253	.0253110	.000035
#2	.1046794	.5011691	.9437912	-.039011	.0253187	-.000570
#3	.1190635	.5022317	.9424266	-.007217	.0259273	.000420

Sample Name: ICSAB01 Acquired: 12/6/2024 12:55:37 Type: Unk
Method: NON EPA-6010-200.7(v2501) 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	F -.003845	F -.002145	F .0065975	F .0158147	F -.008894	F -.041752
Stddev	.001683	.000177	.0053558	.0030141	.001734	.000542
%RSD	43.77436	8.229233	81.17849	19.05901	19.50009	1.297333
#1	-.004807	-.002182	.0010983	.0189261	-.010227	-.041333
#2	-.001901	-.002300	.0068971	.0129084	-.009523	-.042363
#3	-.004826	-.001953	.0117973	.0156094	-.006933	-.041559

Elem	Sr4077
Units	ppm
Avg	F .0056664
Stddev	.0002544
%RSD	4.489452
#1	.0059365
#2	.0054313
#3	.0056314

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2214.778	53242.00	12980.13	1521.910	3404.036
Stddev	8.481	158.59	14.90	4.069	1.801
%RSD	.3829102	.2978625	.1148195	.2673624	.0529175
#1	2217.335	53383.28	12987.69	1526.172	3405.882
#2	2221.686	53070.46	12962.96	1518.066	3403.942
#3	2205.313	53272.26	12989.74	1521.491	3402.283

Sample Name: ICSADLX20 Acquired: 12/6/2024 13:00:39 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.001618	-.000577	-.000760	-.000571	-.000399	12.46810	-.003077
Stddev	.001221	.000413	.000413	.001655	.000676	.01442	.000395
%RSD	75.47271	71.50182	54.41643	289.8103	169.5207	.1156661	12.84597

#1	-.000682	-.000101	-.000944	-.002022	-.000739	12.48473	-.002825
#2	-.001172	-.000807	-.001048	-.000922	.000380	12.46066	-.002874
#3	-.002999	-.000825	-.000286	.001231	-.000837	12.45893	-.003533

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001709	.0001369	12.29117	.0029441	.0001721	.0000233	4.823142
Stddev	.0000302	.0000256	.00222	.0000887	.0000854	.0004529	.015095
%RSD	17.65777	18.67515	.0180800	3.013338	49.64014	1946.584	.3129640

#1	.0002042	.0001287	12.29365	.0028438	.0002427	.0002662	4.808951
#2	.0001632	.0001165	12.28936	.0029760	.0001965	-.000499	4.821473
#3	.0001453	.0001656	12.29051	.0030124	.0000771	.000303	4.839002

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001265	12.59746	.0015733	.0004712	.0237593	.0001641	.0066109
Stddev	.0001699	.01047	.0002686	.0002709	.0094821	.0006002	.0002950
%RSD	134.3389	.0831405	17.06987	57.48942	39.90911	365.8484	4.462365

#1	-.000068	12.58537	.0014300	.0005350	.0128951	.0001627	.0064123
#2	.000204	12.60390	.0014067	.0001741	.0303690	-.000435	.0069499
#3	.000244	12.60310	.0018831	.0007045	.0280140	.000765	.0064705

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.082883	-.002038	.0000606	-.001168	-.000126	.0028389	-.000528
Stddev	.015638	.000289	.0001937	.000435	.000335	.0022601	.002015
%RSD	18.86762	14.19451	319.5562	37.27801	265.5930	79.61192	381.9478

#1	-.086324	-.001793	.0002835	-.001000	-.000512	.0054452	-.001222
#2	-.096515	-.001965	-.000035	-.001662	.000089	.0016495	-.002104
#3	-.065811	-.002357	-.000067	-.000842	.000045	.0014218	.001743

Sample Name: ICSADLX20 Acquired: 12/6/2024 13:00:39 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.001399	-.003075	.0003358
Stddev	.002458	.000369	.0000527
%RSD	175.7183	11.99668	15.69576
#1	-.002319	-.003436	.0003829
#2	.001386	-.002698	.0002789
#3	-.003264	-.003090	.0003457

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2559.546	60663.29	13746.54	1757.232	4279.929
Stddev	7.242	93.62	50.57	4.266	5.448
%RSD	.2829293	.1543194	.3678670	.2427453	.1272938
#1	2564.901	60557.25	13689.20	1752.573	4283.341
#2	2562.430	60734.49	13765.68	1760.947	4282.800
#3	2551.306	60698.13	13784.75	1758.175	4273.646

Sample Name: ICSABDLX20 Acquired: 12/6/2024 13:04:56 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0053292	.0040052	.0024986	.0029592	.0289567	12.68437	.0220010
Stddev	.0005051	.0005618	.0003095	.0006637	.0008168	.01260	.0002140
%RSD	9.477210	14.02653	12.38838	22.42917	2.820772	.0992977	.9725497
#1	.0054074	.0037929	.0022066	.0026880	.0298811	12.69042	.0217540
#2	.0057907	.0046422	.0028231	.0024740	.0286562	12.66990	.0221196
#3	.0047897	.0035804	.0024661	.0037156	.0283326	12.69281	.0221294
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0263245	.0505586	12.50434	.0292528	.0252048	.0261039	4.867997
Stddev	.0001959	.0001981	.06253	.0002123	.0001419	.0004415	.016522
%RSD	.7440318	.3918759	.5000715	.7258489	.5630204	1.691219	.3393934
#1	.0262514	.0503449	12.47868	.0290697	.0250971	.0264311	4.869389
#2	.0261757	.0507361	12.45873	.0292032	.0251518	.0256018	4.850823
#3	.0265464	.0505949	12.57562	.0294856	.0253656	.0262789	4.883779
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0255702	12.87197	.0524531	.0096538	.0260082	.0255962	.0599401
Stddev	.0002569	.06893	.0003218	.0002170	.0074765	.0010123	.0003212
%RSD	1.004602	.5354789	.6135939	2.248096	28.74674	3.954994	.5359417
#1	.0252899	12.80073	.0523613	.0094355	.0183687	.0259280	.0603108
#2	.0257944	12.87686	.0528108	.0098695	.0263457	.0264010	.0597672
#3	.0256262	12.93833	.0521870	.0096565	.0333103	.0244596	.0597423
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.069083	-.001837	.0000726	-.001031	.0001386	-.001186	-.000733
Stddev	.013857	.000349	.0001591	.000072	.0000909	.003069	.001170
%RSD	20.05806	18.96945	219.2010	7.011499	65.53578	258.6971	159.6319
#1	-.084884	-.002232	.0001520	-.001019	.0001700	.000446	.000113
#2	-.059004	-.001572	-.000111	-.000966	.0002097	.000722	-.000244
#3	-.063360	-.001708	.000176	-.001109	.0000363	-.004726	-.002068

Sample Name: ICSABDLX20 Acquired: 12/6/2024 13:04:56 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0007419	-.003215	.0003585
Stddev	.0026330	.000093	.0000137
%RSD	354.9187	2.903302	3.821641

#1	-.000581	-.003163	.0003633
#2	.003774	-.003159	.0003691
#3	-.000968	-.003323	.0003430

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2549.990	60582.70	13675.34	1760.355	4241.477
Stddev	6.313	179.48	38.22	14.010	2.148
%RSD	.2475821	.2962560	.2795159	.7958600	.0506346

#1	2543.795	60405.40	13646.30	1747.068	4239.359
#2	2556.415	60578.42	13718.64	1759.006	4243.653
#3	2549.760	60764.28	13661.07	1774.990	4241.419

Sample Name: CCV01 Acquired: 12/6/2024 13:09:11 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	5.005538	5.054725	5.015509	5.058872	4.950787	10.04433	9.798900
Stddev	.015915	.043344	.004444	.020971	.014751	.03133	.066203
%RSD	.3179491	.8574958	.0886047	.4145346	.2979559	.3118767	.6756216
#1	4.993868	5.103353	5.019310	5.063379	4.942412	10.01468	9.722456
#2	4.999078	5.040671	5.016595	5.036014	4.942129	10.07709	9.837420
#3	5.023667	5.020153	5.010623	5.077223	4.967819	10.04121	9.836824
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2491318	2.516681	24.74840	1.022059	2.509178	1.275389	4.942168
Stddev	.0008747	.002745	.05478	.000151	.001560	.005217	.013297
%RSD	.3511085	.1090783	.2213596	.0148012	.0621568	.4090849	.2690492
#1	.2485789	2.519686	24.68520	1.021912	2.510979	1.273338	4.942060
#2	.2501403	2.514305	24.77751	1.022051	2.508235	1.271509	4.955518
#3	.2486762	2.516052	24.78247	1.022215	2.508321	1.281320	4.928925
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.441746	24.78151	2.513097	1.248762	24.25260	2.500861	2.553939
Stddev	.006471	.08560	.001473	.000553	.13059	.005470	.010461
%RSD	.2649954	.3454223	.0586315	.0442939	.5384431	.2187338	.4096132
#1	2.437243	24.70740	2.514771	1.248864	24.39215	2.494703	2.563830
#2	2.449161	24.76193	2.511997	1.248165	24.23230	2.502720	2.542988
#3	2.438834	24.87521	2.512524	1.249257	24.13335	2.505160	2.554999
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.73519	4.923375	5.111328	5.014973	4.925971	5.031279	4.997046
Stddev	.01825	.016656	.013486	.009751	.013523	.016709	.023921
%RSD	.0737916	.3383126	.2638527	.1944363	.2745223	.3321031	.4787048
#1	24.71456	4.917144	5.112811	5.023659	4.912595	5.012035	5.021356
#2	24.74180	4.942248	5.097162	5.016835	4.939636	5.042108	4.996248
#3	24.74922	4.910732	5.124012	5.004426	4.925680	5.039693	4.973534

Sample Name: CCV01 Acquired: 12/6/2024 13:09:11 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	4.932878	4.878441	4.985567
Stddev	.011247	.015268	.018288
%RSD	.2280064	.3129707	.3668204

#1	4.945806	4.872037	4.995374
#2	4.925340	4.895868	4.996860
#3	4.927489	4.867418	4.964467

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2397.342	57389.84	13378.23	1636.538	3839.920
Stddev	9.982	114.65	27.50	8.163	7.507
%RSD	.4163771	.1997707	.2055222	.4988193	.1954965

#1	2400.539	57262.93	13386.58	1629.265	3840.803
#2	2405.333	57485.93	13347.54	1645.368	3846.946
#3	2386.153	57420.67	13400.60	1634.982	3832.010

Sample Name: CCB01 Acquired: 12/6/2024 13:13:22 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0003873	-.000809	-.000342	-.000897	.0025424	.0047262	-.003306
Stddev	.0013453	.000414	.000709	.001640	.0010663	.0013887	.000301
%RSD	347.3974	51.13013	206.9574	182.8695	41.94056	29.38348	9.110529

#1	.0007804	-.001192	-.001121	-.002786	.0033889	.0036288	-.003152
#2	-.001111	-.000864	.000265	.000163	.0028934	.0062875	-.003113
#3	.001492	-.000371	-.000171	-.000067	.0013448	.0042622	-.003653

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000496	.0000819	.0056747	.0001199	-.000042	-.000045	-.001311
Stddev	.0000304	.0000374	.0040675	.0001316	.000210	.000163	.002423
%RSD	61.22673	45.70448	71.67782	109.7083	496.4624	362.2307	184.9066

#1	.0000280	.0000528	.0046658	.0000055	.000013	-.000225	.001487
#2	.0000844	.0000688	.0022066	.0000906	.000134	-.000004	-.002742
#3	.0000365	.0001242	.0101517	.0002637	-.000274	.000094	-.002677

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001391	-.001924	.0001516	.0003660	-.018926	.0002725	-.000743
Stddev	.0000913	.006387	.0001549	.0001604	.007189	.0010204	.000109
%RSD	65.60471	331.9341	102.2069	43.82366	37.98718	374.5050	14.67319

#1	.0001957	.004977	-.000013	.0003814	-.026969	.0003428	-.000673
#2	.0000338	-.003122	.000294	.0005181	-.016686	.0012559	-.000686
#3	.0001878	-.007627	.000174	.0001984	-.013124	-.000781	-.000868

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.085436	.0031635	.0005602	-.000237	.0003746	.0022959	-.003111
Stddev	.005787	.0008540	.0000928	.000549	.0002374	.0055048	.001558
%RSD	6.774034	26.99595	16.57188	232.2330	63.36872	239.7645	50.10182

#1	-.087854	.0032695	.0005994	.000348	.0002783	.0057368	-.004892
#2	-.089623	.0039596	.0006270	-.000316	.0002005	.0052039	-.002442
#3	-.078832	.0022614	.0004542	-.000742	.0006450	-.004053	-.001998

Sample Name: CCB01 Acquired: 12/6/2024 13:13:22 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.002629	-.000999	.0000787
Stddev	.001614	.000699	.0000206
%RSD	61.37778	69.98563	26.22550
#1	-.004276	-.001616	.0000623
#2	-.002561	-.001142	.0001018
#3	-.001051	-.000239	.0000719

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2580.299	61457.50	13697.25	1772.695	4477.651
Stddev	2.173	44.99	18.32	7.653	2.170
%RSD	.0842295	.0732025	.1337797	.4317253	.0484628
#1	2580.977	61431.39	13695.49	1764.316	4475.236
#2	2582.052	61431.67	13679.88	1779.317	4479.437
#3	2577.867	61509.45	13716.40	1774.451	4478.280

Sample Name: PB165393BL Acquired: 12/6/2024 13:17:43 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0014470	.0008959	.0000788	.0018095	.0012197	.0014824	-.003185
Stddev	.0002523	.0029674	.0004052	.0009612	.0001342	.0016359	.000368
%RSD	17.43433	331.2240	514.0006	53.11931	11.00506	110.3569	11.55506

#1	.0011560	-.001465	-.000197	.0009480	.0013483	.0029656	-.003423
#2	.0016038	.004227	-.000111	.0028462	.0012301	-.000272	-.003371
#3	.0015812	-.000075	.000544	.0016342	.0010805	.001754	-.002761

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002649	.0002578	.0117292	.0004886	.0002919	.0000716	.0045312
Stddev	.0000489	.0000364	.0035850	.0002387	.0001375	.0002316	.0035594
%RSD	18.44493	14.11150	30.56478	48.85766	47.10691	323.3528	78.55280

#1	.0003176	.0002764	.0099368	.0006844	.0003301	.0001754	.0085249
#2	.0002560	.0002158	.0093939	.0005587	.0004062	-.000194	.0033748
#3	.0002211	.0002811	.0158569	.0002227	.0001393	.000233	.0016938

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001209	.0069856	.0006277	.0007348	-.012655	.0006485	.0008882
Stddev	.0001961	.0068030	.0000496	.0001762	.007268	.0010181	.0001398
%RSD	162.2094	97.38687	7.900381	23.97554	57.43390	157.0006	15.73964

#1	.0000313	.0035176	.0005730	.0008977	-.021005	-.000483	.0007297
#2	-.000014	.0148237	.0006698	.0005478	-.009209	.001491	.0009939
#3	.000346	.0026154	.0006403	.0007588	-.007750	.000938	.0009410

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.054090	.0001053	.0005813	-.000030	.0003292	.0030489	.0056016
Stddev	.009717	.0001468	.0001211	.000764	.0008536	.0072897	.0014257
%RSD	17.96418	139.4397	20.83398	2573.924	259.2865	239.0939	25.45170

#1	-.047888	-.000010	.0004435	.000616	.0013032	.0044889	.0072248
#2	-.065289	.000271	.0006295	.000169	-.000027	-.004853	.0045526
#3	-.049094	.000055	.0006708	-.000873	-.000288	.009511	.0050273

Sample Name: PB165393BL Acquired: 12/6/2024 13:17:43 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.000708	-.001139	.0002457
Stddev	.001059	.000527	.0000323
%RSD	149.5177	46.24949	13.15248

#1	.000434	-.001746	.0002822
#2	-.001658	-.000857	.0002207
#3	-.000901	-.000813	.0002342

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2579.192	61451.45	13740.65	1743.345	4481.918
Stddev	8.109	162.35	31.17	5.906	12.458
%RSD	.3144045	.2641969	.2268205	.3387821	.2779695

#1	2574.470	61513.14	13707.08	1744.673	4471.669
#2	2574.551	61573.91	13768.66	1748.474	4478.301
#3	2588.555	61267.29	13746.21	1736.888	4495.785

Sample Name: PB165393BS Acquired: 12/6/2024 13:22:04 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.7406467	1.984188	.9502460	1.863648	.7421918	1.956336
Stddev	.0017407	.013955	.0010834	.006447	.0022757	.007227
%RSD	.2350207	.7032916	.1140114	.3459478	.3066175	.3694077

#1	.7426566	1.998657	.9509223	1.868391	.7407821	1.948280
#2	.7396435	1.983096	.9508193	1.866246	.7409762	1.958480
#3	.7396399	1.970812	.9489964	1.856307	.7448172	1.962248

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1896989	.2056008	.1907559	1.032822	.4004463	.1934634
Stddev	.0007150	.0000702	.0003077	.006390	.0008048	.0003330
%RSD	.3769134	.0341233	.1613058	.6187256	.2009841	.1721191

#1	.1891947	.2055207	.1909013	1.033185	.4007338	.1938303
#2	.1905171	.2056514	.1904024	1.039024	.3995372	.1933795
#3	.1893847	.2056304	.1909639	1.026258	.4010679	.1931803

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3026029	2.836405	.2005194	1.967064	.4867157	.0724213
Stddev	.0002737	.003338	.0004387	.008679	.0003325	.0002649
%RSD	.0904555	.1176928	.2187865	.4412321	.0683095	.3658255

#1	.3028488	2.837678	.2002981	1.957745	.4863532	.0727234
#2	.3023080	2.838920	.2010247	1.968530	.4870064	.0722284
#3	.3026520	2.832618	.2002355	1.974917	.4867874	.0723122

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.575046	.2982491	.2014354	8.939354	.2938099	.3944048
Stddev	.017319	.0005981	.0009460	.038445	.0008029	.0011569
%RSD	.6725874	.2005195	.4696332	.4300657	.2732626	.2933410

#1	2.568830	.2987352	.2011495	8.938890	.2935096	.3953148
#2	2.594616	.2975813	.2006652	8.978029	.2947197	.3947968
#3	2.561693	.2984307	.2024913	8.901143	.2932006	.3931028

Sample Name: PB165393BS Acquired: 12/6/2024 13:22:04 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.6653550	.1936412	F .6707269	5.500257	F -.011324	.1974257
Stddev	.0009836	.0007259	.0013895	.015905	.001499	.0009980
%RSD	.1478302	.3748908	.2071610	.2891617	13.23666	.5054833
#1	.6649107	.1930008	.6699200	5.491561	-.009675	.1962754
#2	.6664824	.1944298	.6723313	5.490596	-.011693	.1980602
#3	.6646719	.1934930	.6699294	5.518613	-.012604	.1979415

Elem	Sr4077
Units	ppm
Avg	.2008256
Stddev	.0007192
%RSD	.3581001
#1	.2002704
#2	.2016380
#3	.2005685

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2655.983	62402.06	13551.78	1828.515	4425.084
Stddev	6.436	127.84	13.92	9.557	4.617
%RSD	.2423295	.2048612	.1027487	.5226763	.1043428
#1	2650.057	62271.49	13545.46	1824.656	4420.584
#2	2655.062	62526.98	13567.74	1839.398	4424.856
#3	2662.830	62407.72	13542.13	1821.491	4429.810

Sample Name: PB165328BL Acquired: 12/6/2024 13:26:06 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.001517	-.000299	-.000742	-.000813	.0007363	-.000733	-.001150
Stddev	.001067	.001320	.000524	.000562	.0007317	.001128	.000547
%RSD	70.33951	441.0277	70.65795	69.08820	99.38264	153.7351	47.61062

#1	-.002518	-.000057	-.000212	-.001441	.0002287	.000566	-.001301
#2	-.000394	.000883	-.000754	-.000637	.0015750	-.001309	-.000543
#3	-.001639	-.001723	-.001260	-.000360	.0004051	-.001457	-.001606

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000655	.0000392	-.008010	-.000013	.0000548	-.000303	.0020337
Stddev	.0000139	.0000519	.002739	.000026	.0000693	.000292	.0013412
%RSD	21.20819	132.4509	34.19361	203.4553	126.5151	96.41283	65.94921

#1	.0000664	.0000502	-.010992	.000016	.0000753	-.000576	.0013818
#2	.0000512	.0000845	-.005606	-.000020	.0001115	.000005	.0011430
#3	.0000789	-.000017	-.007433	-.000034	-.000022	-.000338	.0035762

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000145	-.006027	.0000850	.0002198	-.030483	-.000302	-.000890
Stddev	.000050	.008230	.0001044	.0002459	.012319	.000321	.000048
%RSD	34.45114	136.5450	122.8581	111.8864	40.41259	106.6284	5.423305

#1	-.000101	-.014610	.0000320	.0004993	-.044593	-.000571	-.000940
#2	-.000135	-.005268	.0002053	.0000371	-.024991	.000054	-.000843
#3	-.000200	.001797	.0000177	.0001228	-.021865	-.000387	-.000887

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.099658	-.001183	.0000570	-.000671	.0004561	-.002661	.0000559
Stddev	.007732	.000252	.0000677	.000243	.0001773	.001286	.0010271
%RSD	7.759006	21.33653	118.8405	36.23689	38.87892	48.32500	1837.162

#1	-.095182	-.001287	.0000753	-.000706	.0006396	-.004143	-.000405
#2	-.095206	-.000895	.0001136	-.000895	.0004431	-.001995	.001233
#3	-.108587	-.001366	-.000018	-.000412	.0002856	-.001845	-.000660

Sample Name: PB165328BL Acquired: 12/6/2024 13:26:06 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.002457	-.000560	-.000006
Stddev	.003442	.000300	.000026
%RSD	140.1116	53.62365	454.9624
#1	-.002314	-.000214	.000005
#2	-.005968	-.000708	.000013
#3	.000912	-.000757	-.000035

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2669.034	62909.27	13706.76	1840.643	4576.582
Stddev	2.771	67.52	16.12	5.511	3.925
%RSD	.1038076	.1073361	.1175980	.2993866	.0857692
#1	2671.317	62969.82	13689.38	1842.879	4577.377
#2	2669.832	62836.45	13721.22	1844.684	4580.049
#3	2665.951	62921.53	13709.66	1834.366	4572.320

Sample Name: PB165328BS Acquired: 12/6/2024 13:30:26 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.7478421	1.986322	.9532483	1.891968	.7464472	1.959721
Stddev	.0010838	.015668	.0003859	.006720	.0023539	.008889
%RSD	.1449206	.7887796	.0404825	.3551764	.3153453	.4535649

#1	.7465989	2.004184	.9532255	1.888542	.7451410	1.956140
#2	.7483396	1.974904	.9528743	1.887653	.7491646	1.953181
#3	.7485879	1.979877	.9536451	1.899711	.7450360	1.969841

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1898165	.2043253	.1920607	1.030284	.4032203	.1942599
Stddev	.0004301	.0002647	.0000702	.005846	.0005638	.0002825
%RSD	.2265838	.1295679	.0365677	.5673862	.1398339	.1454062

#1	.1897979	.2042793	.1920065	1.034973	.4026250	.1944723
#2	.1902555	.2046100	.1920356	1.032145	.4032897	.1939393
#3	.1893959	.2040866	.1921400	1.023734	.4037462	.1943681

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3061117	2.853449	.2000853	1.965182	.4881183	.0727368
Stddev	.0006755	.001362	.0001529	.003502	.0003232	.0002794
%RSD	.2206828	.0477484	.0764067	.1781917	.0662037	.3840949

#1	.3053568	2.852586	.1999189	1.963654	.4884853	.0725403
#2	.3066594	2.852741	.2002196	1.962705	.4878761	.0730566
#3	.3063188	2.855019	.2001174	1.969189	.4879936	.0726134

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.599639	.2998434	.2033389	9.017457	.2904084	.3977952
Stddev	.006045	.0017898	.0009927	.008065	.0003571	.0004407
%RSD	.2325295	.5969205	.4881867	.0894407	.1229641	.1107854

#1	2.604957	.2978824	.2021936	9.009099	.2902678	.3983039
#2	2.593065	.3013889	.2039515	9.018079	.2901430	.3975542
#3	2.600894	.3002590	.2038717	9.025193	.2908144	.3975276

Sample Name: PB165328BS Acquired: 12/6/2024 13:30:26 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.6626915	.1924930	F .6812194	5.518928	F -.010043	.1985002
Stddev	.0014040	.0002465	.0042814	.022355	.001014	.0008144
%RSD	.2118675	.1280790	.6284873	.4050605	10.10167	.4102972
#1	.6633341	.1924719	.6781298	5.542105	-.010428	.1980998
#2	.6636592	.1922577	.6794219	5.517184	-.008892	.1994374
#3	.6610812	.1927494	.6861065	5.497497	-.010808	.1979635

Elem	Sr4077
Units	ppm
Avg	.2008953
Stddev	.0001564
%RSD	.0778734
#1	.2008136
#2	.2010757
#3	.2007967

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2613.879	61895.88	13582.74	1790.198	4378.900
Stddev	4.877	98.24	27.86	4.764	5.931
%RSD	.1865989	.1587102	.2051414	.2660974	.1354521
#1	2618.365	61782.82	13558.19	1784.889	4380.795
#2	2614.585	61944.49	13577.00	1794.099	4383.652
#3	2608.687	61960.34	13613.03	1791.605	4372.253

Sample Name: P5026-05 Acquired: 12/6/2024 13:34:28 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0049194	-.008435	.0236194	-.012173	-.000145	34.51461
Stddev	.0013827	.003270	.0009458	.000796	.000417	.08307
%RSD	28.10747	38.76533	4.004206	6.540193	287.5603	.2406805

#1	.0034326	-.005310	.0244433	-.011282	.000329	34.41972
#2	.0051589	-.011833	.0225867	-.012425	-.000308	34.54997
#3	.0061667	-.008163	.0238283	-.012813	-.000457	34.57416

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1140456	.0025789	.0024945	37.88453	.0809504	.0418622
Stddev	.0003621	.0000730	.0001171	.07446	.0004708	.0003806
%RSD	.3175249	2.830021	4.692819	.1965419	.5816406	.9091781

#1	.1136773	.0026631	.0025619	37.85636	.0813983	.0416059
#2	.1144012	.0025395	.0023593	37.96896	.0809933	.0416812
#3	.1140584	.0025341	.0025622	37.82826	.0804595	.0422995

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0772856	73.30130	.8763200	32.33976	.0878316	-.000674
Stddev	.0008228	.26976	.0032118	.03047	.0002000	.000299
%RSD	1.064658	.3680149	.3665091	.0942143	.2276499	44.35032

#1	.0779187	73.00248	.8733468	32.31339	.0876632	-.001019
#2	.0763555	73.37454	.8797264	32.37311	.0880526	-.000496
#3	.0775826	73.52687	.8758870	32.33277	.0877789	-.000506

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.429297	.1000371	.1807734	6.366654	.0257357	.0034286
Stddev	.011679	.0002300	.0009778	.034609	.0007596	.0000495
%RSD	.8170799	.2299063	.5408812	.5436021	2.951356	1.444318

#1	1.417312	.1000311	.1811306	6.333982	.0253302	.0034383
#2	1.429936	.1002701	.1796672	6.363059	.0266119	.0034726
#3	1.440643	.0998102	.1815223	6.402920	.0252649	.0033750

Sample Name: P5026-05 Acquired: 12/6/2024 13:34:28 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.000147	1.793626	F 16.30365	3.540362	.7398414	.0554813
Stddev	.000617	.002405	.07654	.008219	.0022010	.0004286
%RSD	420.1245	.1340744	.4694752	.2321457	.2974985	.7725729

#1	-.000652	1.790884	16.21708	3.536701	.7418344	.0549864
#2	.000541	1.795374	16.33153	3.549775	.7402108	.0557341
#3	-.000330	1.794621	16.36234	3.534610	.7374791	.0557234

Elem	Sr4077
Units	ppm
Avg	-.002040
Stddev	.000141
%RSD	6.907735

#1	-.002092
#2	-.001881
#3	-.002148

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2587.154	62340.13	14520.33	1765.292	3997.145
Stddev	5.806	43.78	25.93	3.620	3.297
%RSD	.2244132	.0702201	.1785692	.2050387	.0824847

#1	2592.151	62389.93	14502.62	1769.333	4000.588
#2	2588.527	62322.71	14508.28	1762.347	3996.833
#3	2580.785	62307.74	14550.09	1764.196	3994.016

Sample Name: CCV02 Acquired: 12/6/2024 13:38:38 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	4.880108	4.914520	4.902099	4.940101	4.852332	9.805741	9.400585
Stddev	.009370	.030643	.005818	.013887	.015989	.036991	.082299
%RSD	.1920047	.6235193	.1186927	.2811104	.3295173	.3772403	.8754711

#1	4.869501	4.949830	4.907642	4.952994	4.838591	9.763194	9.312095
#2	4.883563	4.894893	4.896040	4.925397	4.848525	9.823747	9.474836
#3	4.887260	4.898836	4.902614	4.941913	4.869882	9.830281	9.414822

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2439780	2.457040	24.20431	1.007045	2.446355	1.246519	4.810765
Stddev	.0005608	.003795	.10929	.004568	.003305	.002781	.030235
%RSD	.2298485	.1544706	.4515449	.4536437	.1350924	.2230959	.6284867

#1	.2443380	2.461267	24.07975	1.011352	2.448230	1.246011	4.775949
#2	.2442641	2.453923	24.28416	1.007529	2.442539	1.244028	4.825930
#3	.2433319	2.455931	24.24901	1.002253	2.448295	1.249519	4.830416

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.364778	24.36698	2.449054	1.225518	23.48684	2.443851	2.503749
Stddev	.010356	.09364	.002724	.001239	.04514	.009511	.009257
%RSD	.4379154	.3842979	.1112454	.1010679	.1922055	.3891995	.3697352

#1	2.352820	24.28936	2.451515	1.224461	23.43725	2.435437	2.508701
#2	2.370707	24.47098	2.446126	1.226881	23.52555	2.441946	2.509477
#3	2.370806	24.34059	2.449521	1.225212	23.49772	2.454171	2.493069

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.93175	4.809824	4.994689	4.884678	4.769576	4.953473	4.896648
Stddev	.06508	.012733	.006540	.009981	.021437	.037330	.015952
%RSD	.2719600	.2647227	.1309472	.2043272	.4494521	.7536051	.3257777

#1	23.85686	4.797595	4.995556	4.896015	4.744842	4.914449	4.913455
#2	23.96374	4.823007	4.987758	4.880802	4.781093	4.957128	4.881716
#3	23.97464	4.808869	5.000753	4.877217	4.782793	4.988840	4.894773

Sample Name: CCV02 Acquired: 12/6/2024 13:38:38 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	4.805876	4.708359	4.834016
Stddev	.009020	.020264	.019040
%RSD	.1876949	.4303759	.3938794
#1	4.814107	4.685262	4.815424
#2	4.796233	4.716670	4.853475
#3	4.807288	4.723147	4.833150

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2451.380	58462.75	13671.59	1675.048	3930.465
Stddev	10.449	102.98	40.37	8.035	13.834
%RSD	.4262434	.1761478	.2953127	.4796821	.3519719
#1	2455.958	58471.66	13690.13	1671.544	3930.299
#2	2458.758	58355.61	13625.27	1669.360	3944.382
#3	2439.423	58560.99	13699.36	1684.240	3916.715

Sample Name: CCB02 Acquired: 12/6/2024 13:42:49 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.000308	-.001033	-.001082	-.000905	.0030604	.0007412	-.002772
Stddev	.001888	.000592	.000323	.001015	.0010389	.0058689	.000453
%RSD	613.1573	57.30286	29.86836	112.2290	33.94621	791.7964	16.34442

#1	.001551	-.001190	-.001181	-.001459	.0032722	.0017844	-.003295
#2	-.002223	-.001531	-.001345	.000267	.0039771	.0060185	-.002525
#3	-.000252	-.000378	-.000721	-.001522	.0019319	-.005579	-.002496

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000777	.0001603	-.002412	-.000020	.0000801	-.000536	-.001753
Stddev	.0000053	.0000132	.007069	.000229	.0000333	.000055	.004292
%RSD	6.781426	8.252448	293.0224	1163.912	41.56052	10.20671	244.8044

#1	.0000811	.0001499	.003745	.000233	.0000417	-.000488	-.003483
#2	.0000804	.0001558	-.000851	-.000213	.0000982	-.000595	-.004910
#3	.0000716	.0001752	-.010131	-.000079	.0001004	-.000524	.003134

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000174	.0054894	.0001171	.0003281	-.041663	.0008131	-.001129
Stddev	.000068	.0050674	.0001852	.0001741	.011723	.0001397	.000228
%RSD	39.27797	92.31324	158.1564	53.04208	28.13853	17.17821	20.21907

#1	-.000111	.0028902	-.000011	.0005281	-.054983	.0009743	-.000963
#2	-.000247	.0113291	.000033	.0002106	-.037091	.0007341	-.001035
#3	-.000165	.0022489	.000329	.0002457	-.032914	.0007308	-.001390

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.090255	.0021195	.0004032	-.000243	.0005707	.0009291	-.001135
Stddev	.026155	.0003602	.0000710	.000188	.0005044	.0030982	.000729
%RSD	28.97956	16.99273	17.59813	77.32710	88.39136	333.4761	64.27543

#1	-.104135	.0025328	.0003542	-.000069	.0010246	-.002499	-.001907
#2	-.106544	.0018728	.0003707	-.000443	.0006598	.003530	-.000458
#3	-.060085	.0019528	.0004845	-.000218	.0000276	.001756	-.001038

Sample Name: CCB02 Acquired: 12/6/2024 13:42:49 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.002107	-.001376	.0000208
Stddev	.001077	.000281	.0000140
%RSD	51.12791	20.42585	67.16808
#1	-.001944	-.001620	.0000106
#2	-.001120	-.001069	.0000151
#3	-.003256	-.001439	.0000367

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2614.410	62415.54	14042.44	1788.798	4546.033
Stddev	3.977	110.15	49.49	8.015	4.621
%RSD	.1521041	.1764734	.3524029	.4480593	.1016547
#1	2609.939	62475.42	13995.58	1791.585	4541.391
#2	2617.553	62482.78	14037.55	1795.048	4550.633
#3	2615.738	62288.43	14094.19	1779.762	4546.075

Sample Name: P4997-07 Acquired: 12/6/2024 13:47:10 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.1569758	-.077733	.0543897	.0140430	-.013002	1543.143
Stddev	.0015089	.008931	.0029253	.0075644	.004417	14.625
%RSD	.9612310	11.48930	5.378412	53.86606	33.97038	.9477386

#1	.1554040	-.069074	.0577657	.0203873	-.016741	1545.131
#2	.1584127	-.077212	.0526031	.0160701	-.008129	1556.672
#3	.1571106	-.086913	.0528004	.0056716	-.014136	1527.626

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.209948	-.000424	.0063803	71.21711	.0446971	.0188321
Stddev	.010760	.000036	.0001930	1.03920	.0001690	.0002064
%RSD	.8892855	8.532602	3.024246	1.459201	.3781522	1.095963

#1	1.215596	-.000383	.0065018	71.74287	.0448914	.0190128
#2	1.216708	-.000452	.0061578	71.88838	.0445839	.0188764
#3	1.197540	-.000437	.0064812	70.02009	.0446159	.0186072

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.182934	75.08695	F 44.20593	17.27776	.0457779	.0053561
Stddev	.002354	.13205	.44736	.26705	.0000348	.0005899
%RSD	.1990294	.1758660	1.011997	1.545636	.0761056	11.01368

#1	1.180759	75.23905	44.21886	17.34453	.0457940	.0053950
#2	1.185434	75.00156	44.64668	17.50510	.0458018	.0047477
#3	1.182610	75.02023	43.75224	16.98367	.0457379	.0059255

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	71.37750	.0736822	.2952814	6.685431	.0701433	.0032533
Stddev	.22531	.0013844	.0014150	.012121	.0003169	.0008076
%RSD	.3156606	1.878831	.4792160	.1813083	.4517541	24.82471

#1	71.51271	.0724805	.2955240	6.678938	.0699749	.0040620
#2	71.11740	.0751960	.2937607	6.699415	.0705088	.0024468
#3	71.50239	.0733701	.2965594	6.677940	.0699461	.0032511

Sample Name: P4997-07 Acquired: 12/6/2024 13:47:10 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0049909	.3756161	F 45.95038	F 28.12051	F 62.99062	-.001623
Stddev	.0016192	.0039296	.06228	.06847	.16337	.000478
%RSD	32.44336	1.046162	.1355382	.2434712	.2593614	29.43669
#1	.0032385	.3772629	45.98773	28.17340	63.03044	-.001114
#2	.0053026	.3784543	45.98493	28.04318	62.81102	-.002062
#3	.0064316	.3711311	45.87848	28.14497	63.13040	-.001695

Elem	Sr4077
Units	ppm
Avg	.2122624
Stddev	.0030201
%RSD	1.422819
#1	.2134452
#2	.2145122
#3	.2088300

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2259.287	52994.17	13358.34	1544.136	3279.230
Stddev	6.535	110.28	132.12	12.928	5.392
%RSD	.2892657	.2081030	.9890415	.8372035	.1644205
#1	2265.166	53061.68	13317.55	1540.508	3284.430
#2	2252.250	53053.93	13251.42	1558.490	3279.596
#3	2260.446	52866.91	13506.04	1533.410	3273.665

Sample Name: P5018-07 Acquired: 12/6/2024 13:58:33 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.1088704	-.070286	.0343001	.0191425	-.009039	1395.097
Stddev	.0020975	.001403	.0020759	.0014126	.002392	2.575
%RSD	1.926638	1.995917	6.052119	7.379228	26.46484	.1845699

#1	.1110844	-.070952	.0340987	.0185346	-.006494	1395.192
#2	.1086141	-.071232	.0364694	.0207572	-.009381	1392.477
#3	.1069129	-.068674	.0323323	.0181356	-.011241	1397.624

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.086346	-.000362	.0045093	70.76211	.0355369	.0122529
Stddev	.004253	.000059	.0000334	.14470	.0004108	.0001529
%RSD	.3914713	16.36860	.7413947	.2044886	1.155896	1.247966

#1	1.090191	-.000429	.0045405	70.59583	.0354362	.0123036
#2	1.081778	-.000318	.0044740	70.83106	.0351858	.0123739
#3	1.087069	-.000338	.0045133	70.85944	.0359886	.0120810

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9294653	47.03596	35.25557	17.04384	.0366550	.0042680
Stddev	.0023435	.07017	.15166	.03347	.0001906	.0001180
%RSD	.2521401	.1491774	.4301713	.1963656	.5200922	2.765269

#1	.9290740	46.95776	35.08058	17.02553	.0368087	.0041430
#2	.9319798	47.05669	35.34904	17.08247	.0364417	.0043776
#3	.9273420	47.09342	35.33709	17.02352	.0367147	.0042833

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	72.54459	.0489113	.2541558	6.531362	.0567476	.0028151
Stddev	.39361	.0008769	.0002260	.034072	.0006976	.0005605
%RSD	.5425802	1.792843	.0889061	.5216618	1.229271	19.91066

#1	72.93964	.0480528	.2540706	6.515927	.0565679	.0034155
#2	72.15243	.0488756	.2539848	6.507740	.0575175	.0023056
#3	72.54169	.0498055	.2544120	6.570419	.0561576	.0027241

Sample Name: P5018-07 Acquired: 12/6/2024 13:58:33 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0031075	.2305110	F 41.44984	F 20.92085	F 55.99594	-.004922
Stddev	.0025004	.0012130	.07577	.06235	.08341	.000470
%RSD	80.46281	.5262239	.1828046	.2980295	.1489640	9.541514
#1	.0004314	.2293665	41.36646	20.96970	56.07625	-.004431
#2	.0053841	.2317825	41.46855	20.94222	55.90973	-.005367
#3	.0035072	.2303839	41.51450	20.85062	56.00185	-.004968

Elem	Sr4077
Units	ppm
Avg	.2250455
Stddev	.0010941
%RSD	.4861640
#1	.2259827
#2	.2238432
#3	.2253107

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2253.542	53472.38	13460.26	1545.586	3315.041
Stddev	5.800	146.51	31.65	6.334	11.006
%RSD	.2573531	.2739938	.2351088	.4098032	.3319919
#1	2258.833	53616.44	13486.87	1552.779	3327.740
#2	2247.341	53477.15	13468.65	1543.132	3308.263
#3	2254.452	53323.54	13425.27	1540.846	3309.122

Sample Name: P5018-07DUP Acquired: 12/6/2024 14:04:04 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.1091285	-.071637	.0374789	.0162879	-.011060	1416.751
Stddev	.0009411	.008660	.0050733	.0068438	.001757	12.797
%RSD	.8624160	12.08820	13.53656	42.01759	15.88845	.9032928

#1	.1101057	-.068431	.0341502	.0093174	-.012715	1402.110
#2	.1090517	-.065037	.0433180	.0165488	-.009216	1425.803
#3	.1082281	-.081442	.0349685	.0229975	-.011249	1422.341

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.108578	-.000387	.0046764	71.27500	.0355198	.0119493
Stddev	.013231	.000046	.0002208	.73494	.0002813	.0002497
%RSD	1.193517	11.74983	4.720903	1.031127	.7921040	2.089835

#1	1.094704	-.000336	.0047870	70.44768	.0352024	.0116702
#2	1.121055	-.000404	.0044222	71.85235	.0356184	.0121516
#3	1.109977	-.000422	.0048200	71.52496	.0357385	.0120259

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9425769	47.99011	35.80792	17.13470	.0372286	.0045330
Stddev	.0044697	.14336	.47734	.23725	.0005553	.0001207
%RSD	.4741976	.2987364	1.333056	1.384601	1.491577	2.663195

#1	.9374276	47.87913	35.26113	16.86326	.0368930	.0046717
#2	.9448502	48.15197	36.14147	17.30248	.0378695	.0044510
#3	.9454531	47.93921	36.02117	17.23836	.0369232	.0044764

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	74.11587	.0497865	.2559956	6.652101	.0582218	.0019441
Stddev	.33551	.0012257	.0008152	.022875	.0005057	.0005849
%RSD	.4526836	2.461820	.3184403	.3438703	.8685398	30.08463

#1	74.05271	.0510471	.2560000	6.640029	.0586313	.0025490
#2	74.47847	.0485990	.2568086	6.678483	.0583776	.0013815
#3	73.81642	.0497135	.2551782	6.637792	.0576566	.0019020

Sample Name: P5018-07DUP Acquired: 12/6/2024 14:04:04 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0030654	.2384606	F 42.41355	F 21.22412	F 56.54872	-.004718
Stddev	.0015838	.0009712	.08348	.02161	.03090	.000407
%RSD	51.66470	.4072653	.1968157	.1018219	.0546501	8.628079
#1	.0040747	.2392333	42.45638	21.21950	56.51304	-.004606
#2	.0038816	.2373705	42.46692	21.24766	56.56586	-.004378
#3	.0012401	.2387781	42.31735	21.20519	56.56725	-.005169

Elem	Sr4077
Units	ppm
Avg	.2288530
Stddev	.0032874
%RSD	1.436446
#1	.2251580
#2	.2314532
#3	.2299479

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2215.687	52662.12	13333.14	1528.255	3265.081
Stddev	18.494	122.27	165.03	3.551	18.459
%RSD	.8346736	.2321783	1.237711	.2323787	.5653475
#1	2237.037	52779.53	13523.07	1527.415	3286.368
#2	2204.606	52535.51	13224.76	1525.199	3253.506
#3	2205.419	52671.32	13251.59	1532.151	3255.368

Sample Name: P5018-07LX5 Acquired: 12/6/2024 14:08:25 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0212980	-.012417	.0091294	.0042195	-.002616	288.8426
Stddev	.0019569	.001072	.0007365	.0013708	.001248	.8384
%RSD	9.188222	8.635827	8.066875	32.48611	47.71518	.2902655

#1	.0200282	-.011292	.0090642	.0057504	-.003703	288.2449
#2	.0203142	-.013428	.0098963	.0038025	-.002892	288.4818
#3	.0235516	-.012532	.0084277	.0031057	-.001253	289.8010

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2129090	-.000075	.0006791	14.92389	.0077399	.0026083
Stddev	.0010494	.000023	.0001179	.05035	.0003973	.0001578
%RSD	.4929107	30.40986	17.36248	.3373882	5.133807	6.050567

#1	.2137028	-.000072	.0005639	14.96504	.0072853	.0027236
#2	.2117191	-.000054	.0006738	14.86774	.0080204	.0024285
#3	.2133050	-.000100	.0007996	14.93888	.0079142	.0026729

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2078978	9.381686	7.566162	3.577404	.0080199	.0010441
Stddev	.0012886	.091663	.025767	.006714	.0003904	.0002712
%RSD	.6198262	.9770416	.3405598	.1876680	4.867875	25.97903

#1	.2087889	9.277311	7.591459	3.583626	.0082553	.0010086
#2	.2064203	9.418654	7.539948	3.578297	.0075692	.0007923
#3	.2084842	9.449092	7.567078	3.570288	.0082351	.0013313

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.54733	.0096469	.0491914	1.095431	.0103380	.0001610
Stddev	.14105	.0017182	.0009222	.024668	.0004820	.0003019
%RSD	1.124126	17.81078	1.874666	2.251866	4.662490	187.4842

#1	12.38561	.0078643	.0481395	1.067131	.0097846	.0001946
#2	12.64493	.0112925	.0495737	1.112374	.0106662	.0004447
#3	12.61144	.0097838	.0498609	1.106789	.0105632	-.000156

Sample Name: P5018-07LX5 Acquired: 12/6/2024 14:08:25 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.000025	.0478476	7.900026	4.170578	F 11.17978	-.002100
Stddev	.000800	.0004347	.076658	.031831	.07291	.000488
%RSD	3166.244	.9085047	.9703536	.7632194	.6521896	23.22757
#1	.000729	.0475073	7.818192	4.197063	11.23516	-.002625
#2	.000059	.0483373	7.970163	4.135265	11.09717	-.002015
#3	-.000864	.0476982	7.911724	4.179406	11.20701	-.001661

Elem	Sr4077
Units	ppm
Avg	.0460821
Stddev	.0002367
%RSD	.5136537
#1	.0463485
#2	.0458961
#3	.0460016

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2458.679	57813.80	13588.45	1691.962	3847.325
Stddev	9.563	544.46	66.70	16.115	19.076
%RSD	.3889591	.9417396	.4908689	.9524452	.4958246
#1	2448.192	58438.29	13515.18	1709.974	3828.899
#2	2466.918	57438.73	13645.65	1678.910	3866.990
#3	2460.928	57564.39	13604.52	1687.003	3846.087

Sample Name: P5018-07MS Acquired: 12/6/2024 14:12:47 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.9082439	1.651421	.9156835	2.040715	.6938631	1433.302
Stddev	.0149770	.038632	.0108181	.032548	.0087189	9.862
%RSD	1.649004	2.339303	1.181419	1.594950	1.256568	.6880960

#1	.9135929	1.628839	.9125229	2.033244	.6975489	1422.448
#2	.8913268	1.629396	.9067978	2.012551	.6839067	1435.745
#3	.9198120	1.696028	.9277299	2.076349	.7001338	1441.714

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.321757	.2047040	.1979382	73.90930	.4093927	.2067291
Stddev	.008573	.0002781	.0030051	.28344	.0012701	.0027375
%RSD	.6486363	.1358531	1.518199	.3834961	.3102344	1.324173

#1	1.315110	.2045289	.1976209	73.58558	.4087770	.2058952
#2	1.318727	.2045585	.1951044	74.11288	.4108533	.2045055
#3	1.331434	.2050247	.2010894	74.02944	.4085478	.2097865

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.159401	44.55174	33.69860	19.19827	.5158899	.0873931
Stddev	.014559	.16951	.28150	.09325	.0075080	.0002593
%RSD	1.255776	.3804799	.8353395	.4857268	1.455352	.2967621

#1	1.157412	44.35790	33.47538	19.09945	.5138949	.0871904
#2	1.145938	44.67223	33.60559	19.28472	.5095808	.0876853
#3	1.174853	44.62507	34.01483	19.21065	.5241939	.0873034

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	76.48401	.3427454	.4638684	18.02860	.3172179	.3637236
Stddev	.55277	.0026137	.0029988	.09768	.0013064	.0034740
%RSD	.7227290	.7625749	.6464857	.5418252	.4118420	.9551264

#1	76.07815	.3397561	.4610695	17.95191	.3169930	.3634519
#2	76.26032	.3438797	.4670336	17.99533	.3160385	.3603934
#3	77.11358	.3446002	.4635022	18.13858	.3186221	.3673255

Sample Name: P5018-07MS Acquired: 12/6/2024 14:12:47 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.5858478	.3951055	F 41.57967	F 25.89938	F 55.66137	.2199057
Stddev	.0079412	.0024742	.22324	.45858	.90091	.0026994
%RSD	1.355511	.6262180	.5368925	1.770632	1.618558	1.227546
#1	.5827822	.3924039	41.32331	25.71813	55.40290	.2192997
#2	.5798964	.3956514	41.73122	25.55911	54.91794	.2175608
#3	.5948649	.3972612	41.68448	26.42088	56.66326	.2228567

Elem	Sr4077
Units	ppm
Avg	.4492220
Stddev	.0032398
%RSD	.7211987
#1	.4463790
#2	.4485377
#3	.4527492

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2220.197	53260.32	13074.63	1539.920	3250.196
Stddev	23.486	186.38	56.37	13.731	41.120
%RSD	1.057827	.3499379	.4311054	.8916980	1.265149
#1	2227.343	53475.11	13132.07	1554.938	3263.308
#2	2239.280	53164.64	13072.43	1528.007	3283.161
#3	2193.969	53141.23	13019.40	1536.815	3204.119

Sample Name: P5018-07MSD Acquired: 12/6/2024 14:17:00 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.8977225	1.603239	.9021848	2.035525	.6881815	1423.661
Stddev	.0065501	.005004	.0017185	.002463	.0011074	10.271
%RSD	.7296352	.3120892	.1904762	.1210216	.1609192	.7214755

#1	.8925903	1.608205	.9010364	2.034973	.6875009	1427.740
#2	.8954774	1.598199	.9013575	2.038218	.6894593	1411.977
#3	.9051000	1.603314	.9041604	2.033385	.6875842	1431.267

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.291971	.2031240	.1952904	72.99764	.4076505	.2030371
Stddev	.006718	.0003133	.0001836	.30986	.0014093	.0004028
%RSD	.5200168	.1542333	.0940262	.4244851	.3457099	.1984086

#1	1.291118	.2034513	.1954849	72.81136	.4084759	.2031428
#2	1.299075	.2030938	.1952660	72.82622	.4060232	.2025920
#3	1.285719	.2028269	.1951201	73.35534	.4084523	.2033766

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.146926	43.51933	33.14734	19.03259	.5068370	.0866723
Stddev	.001507	.20785	.04309	.07469	.0003834	.0002814
%RSD	.1314364	.4775977	.1299844	.3924212	.0756531	.3246402

#1	1.146144	43.46099	33.17958	19.00465	.5072627	.0869462
#2	1.145971	43.34688	33.09840	18.97590	.5065188	.0866865
#3	1.148664	43.75011	33.16404	19.11722	.5067295	.0863840

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	74.35610	.3383440	.4603375	17.67227	.3130920	.3606946
Stddev	.33302	.0018694	.0006172	.01408	.0014392	.0009792
%RSD	.4478689	.5524990	.1340694	.0796786	.4596673	.2714733

#1	74.52540	.3366515	.4597131	17.65716	.3114836	.3618185
#2	74.57046	.3380301	.4603522	17.68502	.3142581	.3602398
#3	73.97245	.3403505	.4609472	17.67464	.3135342	.3600255

Sample Name: P5018-07MSD Acquired: 12/6/2024 14:17:00 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.5725412	.3894535	F 41.17072	F 25.26756	F 54.50996	.2150773
Stddev	.0015751	.0005502	.15747	.04180	.07156	.0023120
%RSD	.2751003	.1412875	.3824732	.1654164	.1312860	1.074954
#1	.5742429	.3888658	41.09314	25.31177	54.55073	.2166362
#2	.5722459	.3899564	41.06709	25.22868	54.42732	.2161746
#3	.5711346	.3895383	41.35192	25.26224	54.55181	.2124210

Elem	Sr4077
Units	ppm
Avg	.4419219
Stddev	.0015245
%RSD	.3449607
#1	.4418007
#2	.4435034
#3	.4404617

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2228.672	53718.28	13160.01	1541.237	3289.184
Stddev	1.583	167.91	25.76	3.469	2.513
%RSD	.0710389	.3125841	.1957374	.2251070	.0764164
#1	2230.084	53763.47	13173.20	1542.963	3291.678
#2	2228.971	53858.97	13176.51	1543.505	3289.222
#3	2226.961	53532.39	13130.33	1537.243	3286.652

Sample Name: P5018-07A Acquired: 12/6/2024 14:21:14 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.9004092	1.624998	.9141554	2.036347	.6842569	1440.092
Stddev	.0019112	.025709	.0056015	.011087	.0059094	11.273
%RSD	.2122593	1.582075	.6127514	.5444612	.8636187	.7827937

#1	.9022421	1.605552	.9104958	2.047327	.6821049	1432.393
#2	.8984283	1.615296	.9113666	2.025156	.6797251	1434.852
#3	.9005571	1.654146	.9206039	2.036557	.6909407	1453.031

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.292728	.2047506	.1979363	73.53596	.4175037	.2059188
Stddev	.004142	.0007463	.0005287	.56502	.0017098	.0008420
%RSD	.3204028	.3645076	.2670964	.7683621	.4095339	.4089203

#1	1.296936	.2051786	.1980956	73.22683	.4190042	.2060649
#2	1.288656	.2038888	.1973463	73.19294	.4156422	.2050133
#3	1.292592	.2051844	.1983670	74.18809	.4178646	.2066783

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.150861	44.16467	33.14378	19.22636	.5141221	.0884487
Stddev	.003851	.25814	.06482	.13329	.0012211	.0004595
%RSD	.3345931	.5844986	.1955619	.6932711	.2375058	.5195389

#1	1.151092	44.06587	33.18530	19.15312	.5139096	.0889652
#2	1.146901	43.97052	33.06909	19.14576	.5130212	.0880851
#3	1.154592	44.45762	33.17694	19.38022	.5154355	.0882958

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	74.94531	.3426367	.4688335	17.94312	.3141205	.3629047
Stddev	.63934	.0017672	.0004344	.12054	.0021023	.0016306
%RSD	.8530809	.5157765	.0926635	.6717761	.6692643	.4493094

#1	75.68311	.3409342	.4693324	18.08183	.3147692	.3622849
#2	74.55397	.3425136	.4685386	17.86382	.3117703	.3616749
#3	74.59886	.3444623	.4686295	17.88370	.3158220	.3647543

Sample Name: P5018-07A Acquired: 12/6/2024 14:21:14 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.5820443	.3925631	F 42.22265	F 25.73041	F 55.24291	.2162221
Stddev	.0031266	.0015122	.20225	.11825	.24148	.0021772
%RSD	.5371664	.3852161	.4790184	.4595659	.4371295	1.006902
#1	.5786799	.3922178	42.33960	25.75710	55.10530	.2187147
#2	.5825924	.3912535	41.98911	25.60109	55.10168	.2152593
#3	.5848605	.3942182	42.33925	25.83302	55.52174	.2146924

Elem	Sr4077
Units	ppm
Avg	.4420794
Stddev	.0018305
%RSD	.4140758
#1	.4434664
#2	.4400045
#3	.4427672

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2223.613	52450.21	13016.50	1495.039	3261.302
Stddev	4.127	226.82	51.82	4.202	4.685
%RSD	.1855898	.4324532	.3980782	.2810420	.1436570
#1	2219.169	52256.95	13014.87	1492.599	3256.094
#2	2227.325	52699.93	13069.12	1499.890	3265.173
#3	2224.346	52393.74	12965.52	1492.627	3262.638

Sample Name: P5051-07 Acquired: 12/6/2024 14:25:26 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.1435440	-.075894	.0390187	.0176630	-.011919	1489.792
Stddev	.0050047	.006012	.0035017	.0058580	.003896	5.787
%RSD	3.486537	7.921125	8.974343	33.16563	32.69197	.3884126

#1	.1391380	-.082419	.0361934	.0206249	-.015659	1483.162
#2	.1425085	-.070581	.0379263	.0214486	-.012215	1493.826
#3	.1489854	-.074681	.0429363	.0109154	-.007883	1492.387

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.178377	-.000718	.0057952	72.44862	.0416988	.0170754
Stddev	.003980	.000035	.0002493	.28343	.0002024	.0003407
%RSD	.3377154	4.911308	4.302285	.3912189	.4853733	1.995241

#1	1.176565	-.000709	.0055369	72.12134	.0416461	.0167326
#2	1.175625	-.000757	.0058143	72.61133	.0419224	.0170795
#3	1.182940	-.000688	.0060345	72.61319	.0415280	.0174140

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001978	67.36625	F 43.93396	17.65289	.0457482	.0052327
Stddev	.004121	.21019	.22370	.03698	.0001167	.0002033
%RSD	.4112869	.3120047	.5091777	.2094569	.2549833	3.884211

#1	1.001120	67.43460	43.69555	17.61870	.0458253	.0050082
#2	1.006460	67.53376	43.96705	17.64783	.0458053	.0052857
#3	.998353	67.13040	44.13927	17.69213	.0456140	.0054043

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	70.33651	.0656971	.2565637	6.539375	.0673286	.0028738
Stddev	.29545	.0025509	.0008025	.024300	.0008399	.0004350
%RSD	.4200554	3.882814	.3127853	.3716022	1.247428	15.13526

#1	70.66177	.0654798	.2570873	6.551996	.0680717	.0029916
#2	70.26302	.0632618	.2569640	6.554768	.0674967	.0032377
#3	70.08474	.0683496	.2556398	6.511361	.0664174	.0023921

Sample Name: P5051-07 Acquired: 12/6/2024 14:25:26 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0045452	.3390054	F 46.16704	F 28.00372	F 64.60601	-.003375
Stddev	.0010150	.0003299	.18281	.16497	.15524	.000137
%RSD	22.33176	.0973078	.3959831	.5890847	.2402863	4.048162
#1	.0035274	.3392507	46.30904	27.83667	64.42819	-.003407
#2	.0055574	.3386304	46.23132	28.00798	64.71453	-.003492
#3	.0045509	.3391351	45.96077	28.16652	64.67530	-.003225

Elem	Sr4077
Units	ppm
Avg	.2096323
Stddev	.0008403
%RSD	.4008400
#1	.2094135
#2	.2089231
#3	.2105604

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2321.007	53772.16	13394.88	1595.840	3320.579
Stddev	11.148	211.61	49.37	8.672	12.405
%RSD	.4803180	.3935275	.3685861	.5433823	.3735876
#1	2311.727	53656.24	13450.95	1587.021	3307.697
#2	2317.922	53643.84	13375.75	1596.142	3321.596
#3	2333.373	54016.40	13357.94	1604.356	3332.445

Sample Name: P5068-07 Acquired: 12/6/2024 14:29:49 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.1620067	-.087844	.0452555	.0201677	-.010198	1697.035
Stddev	.0032487	.005990	.0017082	.0024838	.006194	11.270
%RSD	2.005307	6.818487	3.774547	12.31582	60.73476	.6641239

#1	.1652752	-.084783	.0456644	.0189166	-.013802	1710.024
#2	.1619668	-.094746	.0433800	.0230283	-.013745	1689.842
#3	.1587781	-.084004	.0467221	.0185582	-.003046	1691.239

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.316203	-.000726	.0061398	75.70989	.0436720	.0172253
Stddev	.004712	.000039	.0001548	.51564	.0004616	.0002116
%RSD	.3580049	5.357054	2.521532	.6810704	1.056989	1.228273

#1	1.321298	-.000735	.0060872	76.30510	.0441992	.0171127
#2	1.315309	-.000684	.0060182	75.39902	.0433401	.0174694
#3	1.312002	-.000760	.0063141	75.42555	.0434768	.0170938

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.123346	72.24879	F 48.39975	16.97589	.0505129	.0060199
Stddev	.003160	.39386	.22716	.12200	.0006950	.0003214
%RSD	.2812602	.5451433	.4693474	.7186878	1.375961	5.339087

#1	1.125707	72.67028	48.65086	17.10798	.0499198	.0062855
#2	1.124575	72.18597	48.20854	16.95227	.0512777	.0056626
#3	1.119757	71.89011	48.33987	16.86742	.0503413	.0061117

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	68.84284	.0729795	.2835627	6.694421	.0707018	.0025381
Stddev	.13078	.0008815	.0006832	.019985	.0009074	.0005751
%RSD	.1899743	1.207903	.2409403	.2985252	1.283382	22.65705

#1	68.92519	.0737473	.2840474	6.680922	.0716158	.0027401
#2	68.91128	.0731743	.2827813	6.717379	.0698012	.0018893
#3	68.69203	.0720169	.2838595	6.684962	.0706885	.0029849

Sample Name: P5068-07 Acquired: 12/6/2024 14:29:49 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0037436	.2456263	F 51.79160	F 29.93593	F 68.73331	-.005103
Stddev	.0019950	.0004275	.10627	.08368	.20840	.000395
%RSD	53.29259	.1740509	.2051928	.2795186	.3031940	7.739221
#1	.0022144	.2453605	51.83221	30.01029	68.82732	-.005515
#2	.0060003	.2461195	51.67101	29.95218	68.87813	-.005064
#3	.0030159	.2453990	51.87158	29.84532	68.49447	-.004728

Elem	Sr4077
Units	ppm
Avg	.2277616
Stddev	.0005011
%RSD	.2199935
#1	.2283349
#2	.2274079
#3	.2275419

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2325.422	53208.11	13349.25	1597.309	3315.789
Stddev	7.343	86.70	41.66	.758	8.536
%RSD	.3157890	.1629472	.3120590	.0474485	.2574216
#1	2316.984	53229.34	13303.23	1596.771	3306.177
#2	2328.913	53282.22	13384.39	1596.980	3318.708
#3	2330.368	53112.76	13360.13	1598.176	3322.483

Sample Name: P5068-07DUP Acquired: 12/6/2024 14:34:10 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.1638367	-.082477	.0438956	.0216372	-.011524	1725.087
Stddev	.0051112	.002696	.0011939	.0022300	.004710	11.060
%RSD	3.119709	3.268618	2.719832	10.30639	40.86871	.6411168

#1	.1597491	-.085561	.0443115	.0241296	-.011496	1725.065
#2	.1695674	-.081298	.0448260	.0209509	-.016248	1714.039
#3	.1621935	-.080571	.0425494	.0198309	-.006829	1736.159

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.310300	-.000673	.0066526	76.04689	.0441338	.0173866
Stddev	.004170	.000052	.0000865	.32715	.0005857	.0000249
%RSD	.3182804	7.711852	1.300287	.4302010	1.327179	.1429472

#1	1.307233	-.000722	.0067473	75.98142	.0443612	.0173965
#2	1.308618	-.000619	.0066328	75.75742	.0434685	.0174049
#3	1.315049	-.000679	.0065778	76.40183	.0445717	.0173583

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.142267	72.19623	F 48.34527	17.07437	.0512679	.0060812
Stddev	.002984	.10732	.37835	.08008	.0003245	.0006093
%RSD	.2612380	.1486450	.7825983	.4690134	.6328717	10.01962

#1	1.142038	72.09926	48.12136	17.09326	.0516131	.0056401
#2	1.139404	72.31153	48.13235	16.98653	.0512213	.0067765
#3	1.145359	72.17790	48.78211	17.14331	.0509693	.0058271

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	68.37429	.0731426	.2882171	6.754426	.0681878	.0034697
Stddev	.29066	.0004255	.0008510	.044844	.0010471	.0005121
%RSD	.4250969	.5817284	.2952740	.6639152	1.535614	14.75900

#1	68.12248	.0729530	.2876236	6.702645	.0670342	.0040333
#2	68.69236	.0728448	.2891921	6.780436	.0684509	.0033427
#3	68.30804	.0736299	.2878356	6.780197	.0690782	.0030330

Sample Name: P5068-07DUP Acquired: 12/6/2024 14:34:10 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0050613	.2449273	F 52.49649	F 29.85358	F 69.00775	-.005556
Stddev	.0015722	.0018778	.14417	.18386	.15051	.000389
%RSD	31.06291	.7666740	.2746197	.6158643	.2181130	7.007267
#1	.0051674	.2429707	52.33486	30.06403	69.15320	-.005114
#2	.0034388	.2450963	52.54281	29.72417	69.01741	-.005847
#3	.0065778	.2467149	52.61180	29.77253	68.85264	-.005708

Elem	Sr4077
Units	ppm
Avg	.2279372
Stddev	.0008934
%RSD	.3919297
#1	.2274040
#2	.2274391
#3	.2289686

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2270.203	52628.50	13264.66	1551.208	3256.403
Stddev	10.960	118.33	60.62	6.345	9.866
%RSD	.4827804	.2248424	.4569686	.4090271	.3029852
#1	2276.816	52758.56	13290.18	1557.964	3265.309
#2	2276.241	52599.76	13308.34	1550.285	3258.102
#3	2257.551	52527.19	13195.46	1545.375	3245.797

Sample Name: CCV03 Acquired: 12/6/2024 14:42:27 Type: Unk
Method: NON EPA-6010-200.7(v2502) 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	4.819690	4.845704	4.875528	4.870575	4.776356	9.820445	9.368712
Stddev	.021899	.006161	.004951	.014573	.013775	.073100	.106111
%RSD	.4543742	.1271441	.1015552	.2992056	.2884074	.7443608	1.132609

#1	4.795109	4.839530	4.879386	4.854758	4.760988	9.775587	9.290003
#2	4.826840	4.851852	4.869945	4.873510	4.780487	9.780952	9.326746
#3	4.837121	4.845730	4.877254	4.883457	4.787594	9.904797	9.489388

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2449340	2.450296	24.19935	1.000005	2.433972	1.233605	4.772156
Stddev	.0012800	.001622	.25846	.002450	.000828	.001898	.027752
%RSD	.5225726	.0661782	1.068038	.2450245	.0340087	.1538946	.5815352

#1	.2441633	2.452162	23.98303	1.002465	2.434250	1.232022	4.745538
#2	.2442272	2.449501	24.12946	.999987	2.434626	1.233084	4.770013
#3	.2464115	2.449226	24.48557	.997565	2.433041	1.235710	4.800917

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.362156	24.29699	2.440848	1.213053	24.92107	2.449013	2.466938
Stddev	.023612	.24844	.001530	.001042	.13521	.021643	.004957
%RSD	.9996069	1.022501	.0626715	.0859350	.5425434	.8837420	.2009329

#1	2.343758	24.14616	2.442392	1.211852	25.05739	2.432641	2.461409
#2	2.353928	24.16107	2.439333	1.213584	24.91882	2.440847	2.470985
#3	2.388781	24.58373	2.440820	1.213724	24.78700	2.473551	2.468421

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.32600	4.806496	4.936737	4.855514	4.760643	4.955559	4.871258
Stddev	.02646	.029059	.010773	.006832	.028797	.031069	.003543
%RSD	.1134518	.6045673	.2182216	.1407072	.6049030	.6269538	.0727344

#1	23.32040	4.787300	4.926188	4.862626	4.735899	4.919789	4.869435
#2	23.35482	4.792262	4.936302	4.854914	4.753778	4.971070	4.868998
#3	23.30279	4.839928	4.947721	4.849001	4.792253	4.975819	4.875341

Sample Name: CCV03 Acquired: 12/6/2024 14:42:27 Type: Unk
Method: NON EPA-6010-200.7(v2502) 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	4.783235	4.642796	4.808604
Stddev	.005273	.006546	.049052
%RSD	.1102368	.1410013	1.020095
#1	4.789295	4.639925	4.752204
#2	4.779699	4.638176	4.832289
#3	4.780710	4.650287	4.841320

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2460.195	58560.41	13555.21	1685.618	3932.806
Stddev	5.785	39.49	73.56	8.190	2.124
%RSD	.2351571	.0674367	.5426667	.4858777	.0540198
#1	2466.851	58605.94	13599.00	1694.866	3934.255
#2	2457.357	58539.88	13596.34	1682.706	3930.367
#3	2456.376	58535.41	13470.28	1679.282	3933.796

Sample Name: CCB03 Acquired: 12/6/2024 14:46:28 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0011206	-.001643	-.000556	-.001864	.0022258	.0054912	-.002109
Stddev	.0010293	.000574	.000400	.000597	.0006305	.0028187	.000420
%RSD	91.85568	34.92347	71.90887	32.00090	28.32906	51.33081	19.92333

#1	.0000523	-.002090	-.000893	-.001536	.0029315	.0049331	-.001801
#2	.0021060	-.001844	-.000114	-.001504	.0020278	.0085471	-.002588
#3	.0012035	-.000996	-.000661	-.002553	.0017179	.0029933	-.001938

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001227	.0000826	-.004553	-.000033	-.000054	-.000760	-.000210
Stddev	.0000616	.0000053	.008644	.000216	.000048	.000163	.002050
%RSD	50.20775	6.478776	189.8694	650.5250	87.29812	21.44976	978.4010

#1	.0000589	.0000765	.000181	.000213	.000000	-.000884	.000897
#2	.0001818	.0000866	-.014529	-.000189	-.000085	-.000822	-.002575
#3	.0001274	.0000846	.000691	-.000123	-.000079	-.000575	.001050

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003121	-.000070	.0003329	.0006021	.1166861	-.000378	-.001053
Stddev	.0001653	.010620	.0001210	.0002867	.0127777	.001400	.000037
%RSD	52.94724	15193.26	36.33697	47.61597	10.95053	370.5030	3.507111

#1	.0001670	-.010646	.0003280	.0002780	.1024154	.001061	-.001094
#2	.0004920	-.000157	.0004563	.0007059	.1205760	-.000459	-.001044
#3	.0002773	.010593	.0002145	.0008225	.1270668	-.001736	-.001022

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.088380	.0032672	.0007853	-.000582	.0004652	.0024704	-.002008
Stddev	.009458	.0003003	.0001751	.000548	.0001139	.0011492	.002045
%RSD	10.70163	9.190432	22.29055	94.12393	24.49440	46.51888	101.8276

#1	-.099300	.0035960	.0009863	-.000022	.0005403	.0024742	-.003761
#2	-.082842	.0031983	.0006666	-.000607	.0005212	.0036178	-.002503
#3	-.082997	.0030075	.0007030	-.001118	.0003341	.0013193	.000239

Sample Name: CCB03 Acquired: 12/6/2024 14:46:28 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.001459	-.000197	.0001620
Stddev	.000910	.000260	.0001376
%RSD	62.40228	132.1577	84.94343
#1	-.001008	-.000235	.0003179
#2	-.002506	-.000435	.0001108
#3	-.000861	.000080	.0000574

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2649.372	62750.33	13964.53	1798.042	4572.520
Stddev	3.379	265.36	125.08	8.288	3.400
%RSD	.1275336	.4228764	.8956958	.4609595	.0743525
#1	2650.836	62446.76	13820.12	1789.566	4573.039
#2	2645.508	62866.13	14034.67	1798.431	4568.891
#3	2651.773	62938.11	14038.80	1806.129	4575.631

Sample Name: P5068-07LX5 Acquired: 12/6/2024 14:50:48 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0297042	-.014063	.0140600	-.000163	-.002470	358.1984
Stddev	.0021881	.001811	.0006177	.001225	.000950	.9636
%RSD	7.366293	12.87427	4.393549	751.7215	38.47000	.2690091

#1	.0272441	-.012015	.0144230	.000760	-.002671	357.8217
#2	.0314329	-.015449	.0133467	.000304	-.003303	357.4800
#3	.0304356	-.014726	.0144102	-.001553	-.001435	359.2934

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2581055	-.000197	.0008913	15.60463	.0091716	.0035214
Stddev	.0000658	.000046	.0000395	.05317	.0002274	.0000362
%RSD	.0254931	23.25658	4.434303	.3407556	2.478969	1.028224

#1	.2581646	-.000243	.0009271	15.64994	.0093613	.0034803
#2	.2581173	-.000151	.0008489	15.54609	.0089196	.0035350
#3	.2580346	-.000198	.0008980	15.61786	.0092341	.0035488

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2568564	14.10202	10.30052	3.489401	.0105781	.0017136
Stddev	.0004083	.04310	.02551	.035420	.0001040	.0002643
%RSD	.1589699	.3056246	.2476632	1.015068	.9832183	15.42569

#1	.2570518	14.09065	10.31143	3.459972	.0105920	.0018516
#2	.2571303	14.06575	10.27137	3.479518	.0104678	.0014088
#3	.2563871	14.14967	10.31876	3.528713	.0106744	.0018803

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.91630	.0151319	.0545302	1.117423	.0145304	.0008167
Stddev	.03669	.0011935	.0003974	.023186	.0006487	.0005627
%RSD	.3079253	7.887278	.7288078	2.074963	4.464148	68.89911

#1	11.93521	.0164610	.0542245	1.091652	.0148569	.0002648
#2	11.93967	.0147827	.0543867	1.136593	.0149509	.0013896
#3	11.87400	.0141519	.0549795	1.124024	.0137834	.0007957

Sample Name: P5068-07LX5 Acquired: 12/6/2024 14:50:48 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.000183	.0501373	9.772585	5.876428	F 13.79432	-.001477
Stddev	.000505	.0002909	.030672	.010971	.03983	.000440
%RSD	275.2344	.5801578	.3138554	.1866959	.2887644	29.76710
#1	-.000584	.0502433	9.746757	5.887646	13.83320	-.000980
#2	-.000350	.0498083	9.764512	5.865722	13.75360	-.001633
#3	.000384	.0503603	9.806485	5.875915	13.79616	-.001817

Elem	Sr4077
Units	ppm
Avg	.0466729
Stddev	.0001874
%RSD	.4014419
#1	.0465616
#2	.0468892
#3	.0465679

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2480.026	58357.79	13821.22	1720.962	3824.384
Stddev	7.219	63.80	33.17	3.829	.917
%RSD	.2910861	.1093219	.2400036	.2224949	.0239700
#1	2487.376	58303.34	13784.46	1724.410	3824.445
#2	2472.945	58427.99	13848.93	1716.841	3823.438
#3	2479.756	58342.04	13830.26	1721.634	3825.269

Sample Name: P5068-07MS Acquired: 12/6/2024 14:55:09 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.9835258	1.643842	.9408259	2.075568	.5739221	1815.359
Stddev	.0071799	.005985	.0012343	.008754	.0056448	1.637
%RSD	.7300131	.3641054	.1311881	.4217484	.9835525	.0901518

#1	.9752471	1.641727	.9400504	2.074172	.5691828	1813.865
#2	.9872809	1.639202	.9422492	2.084936	.5724164	1817.108
#3	.9880494	1.650598	.9401780	2.067596	.5801671	1815.105

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.631042	.2155863	.2060804	81.96304	.4388887	.2184753
Stddev	.004845	.0008018	.0005936	.51409	.0011045	.0003419
%RSD	.2970594	.3719187	.2880317	.6272164	.2516628	.1564823

#1	1.636589	.2164571	.2057043	82.51870	.4378581	.2181955
#2	1.628902	.2154232	.2057721	81.86608	.4387533	.2183740
#3	1.627635	.2148785	.2067646	81.50434	.4400546	.2188564

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.440928	79.08570	F 51.90319	20.07228	.5436323	.0945411
Stddev	.002667	.28627	.19611	.18325	.0011458	.0003146
%RSD	.1850632	.3619711	.3778299	.9129418	.2107607	.3327918

#1	1.437849	79.26722	52.06016	20.26225	.5425254	.0941815
#2	1.442499	78.75570	51.96605	20.05799	.5435582	.0946760
#3	1.442436	79.23419	51.68336	19.89659	.5448133	.0947658

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	76.23043	.3820780	.5206876	18.90775	.3380799	.3096999
Stddev	.45910	.0040598	.0030731	.10695	.0010805	.0010222
%RSD	.6022478	1.062556	.5902071	.5656387	.3195947	.3300588

#1	76.00403	.3861477	.5192779	18.83609	.3380904	.3085736
#2	75.92851	.3820582	.5185723	18.85647	.3369943	.3099575
#3	76.75876	.3780282	.5242127	19.03068	.3391552	.3105687

Sample Name: P5068-07MS Acquired: 12/6/2024 14:55:09 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.4653497	.4325466	F 55.92573	F 36.62836	F 72.29393	.2174106
Stddev	.0038427	.0009808	.21012	.12127	.14220	.0004437
%RSD	.8257714	.2267391	.3757104	.3310791	.1967032	.2040851
#1	.4658087	.4335165	55.96811	36.70542	72.29147	.2179153
#2	.4612980	.4325678	55.69766	36.48857	72.15297	.2170818
#3	.4689422	.4315554	56.11144	36.69108	72.43735	.2172348

Elem	Sr4077
Units	ppm
Avg	.4565106
Stddev	.0013807
%RSD	.3024481
#1	.4580901
#2	.4559081
#3	.4555335

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2223.478	52088.50	12914.43	1535.050	3171.718
Stddev	2.430	175.29	42.70	8.427	4.285
%RSD	.1092733	.3365242	.3306575	.5489788	.1350934
#1	2226.020	52216.52	12872.11	1537.016	3173.695
#2	2221.178	52160.27	12913.69	1542.319	3174.657
#3	2223.237	51888.71	12957.50	1525.813	3166.801

Sample Name: P5068-07MSD Acquired: 12/6/2024 14:59:22 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.9834840	1.634700	.9337711	2.061688	.5662728	1821.938
Stddev	.0066057	.012224	.0023259	.009760	.0049661	1.808
%RSD	.6716628	.7477809	.2490917	.4733793	.8769816	.0992458

#1	.9766285	1.625328	.9353752	2.051856	.5608024	1824.020
#2	.9898077	1.648526	.9348345	2.071374	.5704973	1821.032
#3	.9840158	1.630245	.9311035	2.061833	.5675188	1820.761

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.603103	.2132781	.2031659	81.28542	.4322954	.2145249
Stddev	.000884	.0009785	.0003146	.18609	.0014679	.0005988
%RSD	.0551529	.4588065	.1548545	.2289289	.3395500	.2791318

#1	1.602107	.2141562	.2034293	81.07059	.4337689	.2142218
#2	1.603797	.2134548	.2032508	81.39684	.4322841	.2141383
#3	1.603403	.2122232	.2028175	81.38882	.4308332	.2152147

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.426632	78.06051	F 51.50607	19.90753	.5347318	.0937751
Stddev	.004218	.23109	.18665	.05097	.0004156	.0004749
%RSD	.2956312	.2960347	.3623910	.2560484	.0777145	.5064266

#1	1.421770	77.85419	51.46561	19.84869	.5352080	.0939188
#2	1.428819	78.01711	51.34296	19.93550	.5345444	.0941615
#3	1.429307	78.31021	51.70963	19.93839	.5344429	.0932449

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	74.79274	.3777370	.5141455	18.56946	.3326062	.3073612
Stddev	.02929	.0005981	.0030512	.07691	.0012891	.0004506
%RSD	.0391560	.1583291	.5934578	.4141938	.3875621	.1465913

#1	74.81105	.3778884	.5144723	18.48351	.3333540	.3069812
#2	74.80821	.3770777	.5109439	18.63181	.3333470	.3072434
#3	74.75896	.3782448	.5170201	18.59305	.3311178	.3078589

Sample Name: P5068-07MSD Acquired: 12/6/2024 14:59:22 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.4590965	.4265046	F 55.44110	F 36.43178	F 71.43584	.2139659
Stddev	.0052046	.0015972	.07969	.03243	.06666	.0002415
%RSD	1.133653	.3744895	.1437379	.0890173	.0933172	.1128483
#1	.4650895	.4263062	55.34995	36.44659	71.46715	.2141947
#2	.4557126	.4250159	55.49759	36.45417	71.48109	.2139893
#3	.4564874	.4281918	55.47577	36.39459	71.35929	.2137136

Elem	Sr4077
Units	ppm
Avg	.4501129
Stddev	.0005475
%RSD	.1216431
#1	.4497326
#2	.4507405
#3	.4498657

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2240.514	52233.85	12933.23	1530.845	3208.296
Stddev	8.409	162.11	25.45	12.048	4.904
%RSD	.3753001	.3103467	.1968004	.7870418	.1528501
#1	2250.027	52415.41	12962.29	1540.769	3213.071
#2	2237.441	52182.54	12922.50	1534.328	3208.545
#3	2234.074	52103.62	12914.89	1517.439	3203.273

Sample Name: P5068-07A Acquired: 12/6/2024 15:03:35 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.9887169	1.645890	.9237275	2.068737	.5681203	1798.088
Stddev	.0049554	.018212	.0031742	.008165	.0043883	9.602
%RSD	.5011943	1.106493	.3436316	.3946718	.7724244	.5340124

#1	.9857350	1.656136	.9241261	2.060985	.5724514	1808.823
#2	.9944372	1.624863	.9203728	2.067966	.5636770	1790.318
#3	.9859785	1.656671	.9266836	2.077259	.5682326	1795.123

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.588933	.2112788	.2027700	80.08831	.4301324	.2140745
Stddev	.005777	.0005119	.0009676	.25623	.0010241	.0007792
%RSD	.3635548	.2422777	.4771790	.3199397	.2380997	.3639608

#1	1.595449	.2106930	.2016828	79.87756	.4292611	.2131948
#2	1.586910	.2115030	.2030908	80.01385	.4312605	.2146776
#3	1.584440	.2116403	.2035365	80.37353	.4298756	.2143512

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.423815	77.09341	F 51.00469	19.60221	.5324621	.0927452
Stddev	.009445	.02939	.12365	.08171	.0024157	.0004554
%RSD	.6633454	.0381230	.2424204	.4168368	.4536791	.4910802

#1	1.413112	77.08265	50.94935	19.57074	.5301755	.0925685
#2	1.427350	77.12666	50.91837	19.54092	.5322218	.0932625
#3	1.430982	77.07090	51.14634	19.69498	.5349889	.0924046

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	74.42415	.3738165	.5109669	18.38680	.3294353	.3060248
Stddev	.50156	.0013074	.0010696	.07036	.0011195	.0016899
%RSD	.6739272	.3497297	.2093260	.3826474	.3398183	.5522218

#1	74.99794	.3724950	.5121994	18.46596	.3283864	.3041503
#2	74.20535	.3751092	.5102822	18.33141	.3306140	.3064925
#3	74.06915	.3738452	.5104190	18.36302	.3293054	.3074317

Sample Name: P5068-07A Acquired: 12/6/2024 15:03:35 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.4528860	.4211680	F 54.88747	F 36.50282	F 71.39873	.2108909
Stddev	.0025540	.0016104	.05142	.16345	.33176	.0014773
%RSD	.5639288	.3823685	.0936754	.4477798	.4646584	.7004847
#1	.4507420	.4210787	54.93677	36.57782	71.13142	.2125906
#2	.4522044	.4196041	54.83417	36.31533	71.29473	.2101651
#3	.4557116	.4228212	54.89147	36.61532	71.77003	.2099169

Elem	Sr4077
Units	ppm
Avg	.4457253
Stddev	.0014178
%RSD	.3180957
#1	.4473625
#2	.4448974
#3	.4449162

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2226.192	52585.91	13044.99	1540.620	3188.142
Stddev	14.745	35.37	14.99	5.545	17.692
%RSD	.6623589	.0672604	.1149331	.3599359	.5549333
#1	2243.218	52545.30	13059.38	1535.845	3208.568
#2	2217.560	52609.93	13046.15	1546.702	3177.649
#3	2217.798	52602.51	13029.46	1539.314	3178.209

Sample Name: P5069-01 Acquired: 12/6/2024 15:07:50 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.2278695	.0415702	4.916117	-.481662	.0892087	490.7141
Stddev	.0053834	.0042918	.011540	.003407	.0041861	2.8907
%RSD	2.362495	10.32419	.2347308	.7073088	4.692493	.5890809

#1	.2340415	.0444343	4.929238	-.484810	.0908965	493.8799
#2	.2241426	.0366357	4.907543	-.478045	.0844422	488.2151
#3	.2254245	.0436405	4.911571	-.482132	.0922874	490.0472

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.080622	.0235642	.3383709	375.7656	1.687401	.4036299
Stddev	.013572	.0000833	.0027715	1.1240	.005139	.0013875
%RSD	.4405753	.3535772	.8190745	.2991097	.3045637	.3437664

#1	3.091505	.0234680	.3415452	376.6280	1.693191	.4050197
#2	3.084947	.0236124	.3364315	376.1744	1.683379	.4022446
#3	3.065414	.0236122	.3371360	374.4945	1.685633	.4036254

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.11266	F 1430.914	29.44280	401.5599	.9218791	^ *****
Stddev	.00861	4.487	.05097	.8525	.0013124	-----
%RSD	.0569629	.3135676	.1731018	.2122985	.1423563	-----

#1	15.12107	1426.180	29.50145	401.5339	.9230595	^ -----
#2	15.10386	1431.458	29.41769	402.4251	.9221119	^ -----
#3	15.11304	1435.104	29.40926	400.7207	.9204660	^ -----

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	45.84493	.9148686	22.62842	23.07360	^ *****	.0739935
Stddev	.09480	.0019012	.09629	.02236	-----	.0011059
%RSD	.2067855	.2078069	.4255340	.0968976	-----	1.494605

#1	45.74035	.9138753	22.51724	23.06057	^ -----	.0727880
#2	45.92523	.9170607	22.68299	23.06081	^ -----	.0742314
#3	45.86922	.9136699	22.68503	23.09941	^ -----	.0749612

Sample Name: P5069-01 Acquired: 12/6/2024 15:07:50 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.4110711	6.736886	F 34.38284	F 24.66467	F 95.69635	.2740214
Stddev	.0014228	.017207	.35537	.17516	.44011	.0003337
%RSD	.3461179	.2554132	1.033578	.7101456	.4598980	.1217617
#1	.4116029	6.736768	34.04461	24.86084	96.20027	.2738725
#2	.4121514	6.754152	34.35073	24.60922	95.38744	.2744036
#3	.4094590	6.719739	34.75317	24.52395	95.50134	.2737881

Elem	Sr4077
Units	ppm
Avg	.5754523
Stddev	.0093489
%RSD	1.624621
#1	.5831985
#2	.5780907
#3	.5650677

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2251.860	60151.19	15333.50	1559.170	2845.668
Stddev	4.120	48.15	40.02	7.435	4.781
%RSD	.1829675	.0800465	.2610008	.4768603	.1679995
#1	2256.127	60160.05	15304.64	1566.545	2846.193
#2	2251.549	60194.30	15316.68	1559.290	2850.164
#3	2247.904	60099.23	15379.19	1551.676	2840.646

Sample Name: P5076-01 Acquired: 12/6/2024 15:12:41 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0507858	-.003067	.0643563	-.021218	.0003570	50.89126	.2828305
Stddev	.0015994	.002516	.0010956	.001528	.0006518	.03198	.0005574
%RSD	3.149202	82.03272	1.702387	7.202989	182.5505	.0628459	.1970692

#1	.0505496	-.001218	.0646959	-.022529	.0005951	50.87306	.2829880
#2	.0524902	-.002050	.0652418	-.021586	.0008563	50.92819	.2832922
#3	.0493178	-.005932	.0631311	-.019539	-.000380	50.87252	.2822113

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047620	.0032006	3.727963	.1461329	.0414100	.0972053	133.2867
Stddev	.0000861	.0000910	.018278	.0003243	.0002173	.0002862	.4069
%RSD	1.807287	2.844519	.4902890	.2219202	.5248142	.2944042	.3052782

#1	.0048400	.0033005	3.706860	.1457611	.0415724	.0970120	132.9081
#2	.0046697	.0031222	3.738798	.1462800	.0414945	.0970698	133.7169
#3	.0047764	.0031792	3.738230	.1463576	.0411631	.0975340	133.2350

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9424324	5.620681	.0498281	.0000317	.0564931	.2584574	.1745682
Stddev	.0029131	.038955	.0001711	.0002520	.0021826	.0005464	.0005671
%RSD	.3091073	.6930657	.3434502	794.6464	3.863482	.2114052	.3248693

#1	.9390722	5.575707	.0500059	-.000171	.0583926	.2590500	.1741392
#2	.9442463	5.642442	.0498140	-.000047	.0541089	.2583486	.1752112
#3	.9439788	5.643893	.0496645	.000314	.0569777	.2579737	.1743543

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.025385	.0336710	.0047026	.0055027	.8561703	2.627519	1.376052
Stddev	.020556	.0013652	.0003125	.0006894	.0021047	.007484	.002037
%RSD	.5106701	4.054639	6.645439	12.52820	.2458316	.2848413	.1480632

#1	4.046923	.0326987	.0046963	.0061811	.8567263	2.618910	1.374771
#2	4.005976	.0352318	.0050183	.0048029	.8579412	2.631166	1.374984
#3	4.023255	.0330825	.0043933	.0055240	.8538434	2.632480	1.378402

Sample Name: P5076-01 Acquired: 12/6/2024 15:12:41 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.8728901	.0315295	-.105167
Stddev	.0042553	.0005649	.000425
%RSD	.4874915	1.791658	.4043490
#1	.8777177	.0311887	-.104714
#2	.8712689	.0321816	-.105558
#3	.8696838	.0312182	-.105228

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2598.502	63424.98	14759.97	1788.061	4141.789
Stddev	4.237	52.68	8.22	7.696	4.606
%RSD	.1630722	.0830620	.0557120	.4304227	.1112039
#1	2598.185	63451.54	14769.00	1793.723	4136.487
#2	2602.888	63364.30	14758.00	1779.298	4144.086
#3	2594.431	63459.09	14752.92	1791.164	4144.796

Sample Name: P5076-01DUP Acquired: 12/6/2024 15:16:51 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0507437	-.001268	.0642109	-.020288	-.000008	50.49349	.2831858
Stddev	.0014035	.001596	.0006245	.001844	.000968	.09357	.0009380
%RSD	2.765883	125.8453	.9725227	9.090687	12570.60	.1853126	.3312210

#1	.0495112	-.000995	.0634934	-.018808	-.000199	50.40390	.2821214
#2	.0504486	.000173	.0645074	-.019702	-.000865	50.59059	.2838914
#3	.0522713	-.002982	.0646319	-.022354	.001041	50.48598	.2835445

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048773	.0028693	3.594454	.1468110	.0416604	.0988098	133.3792
Stddev	.0000514	.0000893	.030363	.0005705	.0000962	.0008348	.4201
%RSD	1.054650	3.111974	.8447069	.3886284	.2309062	.8448940	.3149504

#1	.0049352	.0029709	3.560436	.1465236	.0416064	.0978472	132.9339
#2	.0048370	.0028336	3.604116	.1474681	.0416034	.0993361	133.4352
#3	.0048597	.0028034	3.618810	.1464412	.0417715	.0992460	133.7684

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9465513	5.643571	.0497547	-.000658	.0406173	.2595200	.1623884
Stddev	.0068812	.028126	.0001826	.000172	.0050702	.0025139	.0001018
%RSD	.7269804	.4983778	.3669803	26.13212	12.48292	.9686542	.0626826

#1	.9399339	5.611787	.0495970	-.000462	.0355309	.2566172	.1625059
#2	.9460508	5.653682	.0497124	-.000783	.0456712	.2609722	.1623296
#3	.9536691	5.665244	.0499547	-.000729	.0406499	.2609705	.1623296

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.914974	.0371467	.0042164	.0056888	.8594578	2.622310	1.391769
Stddev	.034477	.0004492	.0001122	.0004655	.0056806	.016776	.001553
%RSD	.8806411	1.209360	2.661445	8.182897	.6609563	.6397576	.1116140

#1	3.912610	.0370105	.0043422	.0051994	.8545679	2.603274	1.392088
#2	3.950572	.0367814	.0041803	.0061260	.8581164	2.634938	1.390081
#3	3.881740	.0376483	.0041266	.0057408	.8656891	2.628718	1.393139

Sample Name: P5076-01DUP Acquired: 12/6/2024 15:16:51 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.8620275	.0311168	-.105498
Stddev	.0070027	.0001525	.000388
%RSD	.8123480	.4900715	.3674209
#1	.8551868	.0312668	-.105187
#2	.8617141	.0309619	-.105376
#3	.8691816	.0311215	-.105932

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2670.418	64104.71	14716.11	1845.215	4201.201
Stddev	5.756	126.43	43.44	12.580	5.555
%RSD	.2155383	.1972256	.2951562	.6817504	.1322318
#1	2664.357	64012.60	14757.10	1832.227	4199.511
#2	2675.809	64052.68	14720.64	1846.077	4207.404
#3	2671.089	64248.85	14670.58	1857.342	4196.686

Sample Name: P5076-01LX5 Acquired: 12/6/2024 15:21:02 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0113962	-.000138	.0133636	-.006143	-.000781	10.56137	.0606100
Stddev	.0031885	.001054	.0003626	.001960	.000172	.00330	.0005446
%RSD	27.97894	765.5232	2.713323	31.90907	22.06132	.0312016	.8984791

#1	.0149312	-.000144	.0129836	-.003906	-.000770	10.56508	.0599830
#2	.0087373	-.001188	.0137058	-.006966	-.000615	10.56022	.0609648
#3	.0105201	.000919	.0134016	-.007558	-.000959	10.55879	.0608823

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011238	.0001760	.7186874	.0312823	.0085896	.0215374	27.91170
Stddev	.0000889	.0000694	.0089631	.0004904	.0002009	.0004287	.08197
%RSD	7.910988	39.43672	1.247154	1.567767	2.338904	1.990466	.2936903

#1	.0010513	.0001568	.7113317	.0307572	.0087286	.0215671	27.82434
#2	.0012230	.0002529	.7286707	.0317285	.0086811	.0219505	27.92384
#3	.0010971	.0001182	.7160599	.0313612	.0083593	.0210947	27.98693

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2075118	1.222991	.0103142	-.000330	.0425467	.0544235	.0324515
Stddev	.0003042	.014642	.0001629	.000181	.0173606	.0004118	.0001145
%RSD	.1465965	1.197246	1.579188	54.92495	40.80373	.7566120	.3529202

#1	.2077166	1.237854	.0101359	-.000237	.0263686	.0543540	.0325774
#2	.2071622	1.222539	.0103514	-.000215	.0403842	.0540509	.0324236
#3	.2076565	1.208580	.0104553	-.000539	.0608872	.0548656	.0323535

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7020650	.0052223	.0006770	.0000379	.1809859	.5241692	.2813168
Stddev	.0116264	.0002923	.0000596	.0006272	.0017752	.0065288	.0029921
%RSD	1.656023	5.597160	8.804077	1656.246	.9808474	1.245547	1.063619

#1	.6886470	.0049331	.0006183	.0002933	.1828594	.5178972	.2779200
#2	.7084006	.0052160	.0007375	.0004970	.1793289	.5236830	.2824681
#3	.7091475	.0055176	.0006752	-.000677	.1807694	.5309275	.2835623

Sample Name: P5076-01LX5 Acquired: 12/6/2024 15:21:02 Type: Unk
 Method: NON EPA-6010-200.7(v2499) 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	.1764416	.0059048	-.022002
Stddev	.0003482	.0003453	.000072
%RSD	.1973442	5.847067	.3273257
#1	.1760674	.0055150	-.021921
#2	.1767561	.0061721	-.022059
#3	.1765015	.0060272	-.022025

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2703.252	63400.10	13909.74	1879.198	4453.100
Stddev	4.035	57.71	47.98	3.647	2.317
%RSD	.1492701	.0910314	.3449078	.1940682	.0520409
#1	2704.242	63376.20	13877.52	1875.685	4450.573
#2	2706.701	63358.17	13886.82	1878.945	4455.127
#3	2698.815	63465.92	13964.87	1882.965	4453.600

Sample Name: P5076-01MS Acquired: 12/6/2024 15:25:18 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.8010300	1.874968	1.027130	1.719334	.3636938	75.23176	.5360764
Stddev	.0017663	.007879	.001560	.006017	.0007374	.14405	.0022513
%RSD	.2205035	.4202272	.1518898	.3499447	.2027487	.1914721	.4199555

#1	.7992597	1.874113	1.025374	1.718843	.3635155	75.10844	.5334809
#2	.8010381	1.867551	1.027661	1.713577	.3630619	75.19674	.5372490
#3	.8027923	1.883240	1.028356	1.725581	.3645040	75.39008	.5374993

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2067468	.2030028	5.076055	.5958219	.2541720	.4098726	176.3880
Stddev	.0001815	.0000646	.006143	.0021441	.0001913	.0003325	.3088
%RSD	.0877980	.0318136	.1210270	.3598616	.0752574	.0811214	.1750765

#1	.2067518	.2029367	5.069335	.5949848	.2543524	.4094987	176.0732
#2	.2065628	.2030061	5.077450	.5942226	.2541924	.4099839	176.4004
#3	.2069258	.2030657	5.081382	.5982583	.2539714	.4101351	176.6905

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.231623	9.102359	.5718324	.0717926	2.709548	.6562518	.4097375
Stddev	.002379	.026534	.0005898	.0002289	.028932	.0026960	.0009103
%RSD	.1931208	.2915041	.1031337	.3188310	1.067770	.4108121	.2221674

#1	1.232611	9.130058	.5718037	.0717388	2.676493	.6584514	.4093459
#2	1.228909	9.077168	.5712575	.0720436	2.730265	.6532442	.4107781
#3	1.233348	9.099850	.5724360	.0715954	2.721887	.6570597	.4090885

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.46007	.2713391	.3828193	.6309925	1.279361	3.924791	7.362907
Stddev	.08806	.0011722	.0003691	.0016871	.002943	.010315	.019610
%RSD	.6542504	.4319964	.0964101	.2673700	.2300757	.2628185	.2663353

#1	13.35864	.2700141	.3823933	.6295549	1.275992	3.933141	7.384931
#2	13.50460	.2722407	.3830425	.6305728	1.281438	3.913260	7.347339
#3	13.51698	.2717627	.3830221	.6328498	1.280652	3.927973	7.356450

Sample Name: P5076-01MS Acquired: 12/6/2024 15:25:18 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	1.000426	.2449499	.0757049
Stddev	.007241	.0012540	.0004623
%RSD	.7237502	.5119538	.6106537
#1	1.007551	.2435564	.0751821
#2	.993075	.2453057	.0760597
#3	1.000652	.2459876	.0758730

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2646.259	63523.46	14203.25	1825.834	4104.180
Stddev	4.181	107.58	23.53	9.011	3.954
%RSD	.1580021	.1693523	.1656900	.4935371	.0963289
#1	2650.793	63640.29	14182.48	1836.223	4108.550
#2	2642.554	63501.60	14228.81	1821.143	4103.139
#3	2645.431	63428.49	14198.45	1820.137	4100.852

Sample Name: P5076-01MSD Acquired: 12/6/2024 15:29:18 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.7906202	1.854203	1.011283	1.707085	.3598908	74.07296	.5243022
Stddev	.0022295	.014871	.002702	.003055	.0019342	.13299	.0025223
%RSD	.2819917	.8020194	.2672174	.1789597	.5374377	.1795422	.4810817

#1	.7914751	1.866685	1.008557	1.710609	.3594035	73.92867	.5230852
#2	.7880898	1.837749	1.011331	1.705449	.3620221	74.19063	.5272022
#3	.7922958	1.858175	1.013961	1.705197	.3582469	74.09957	.5226191

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2010445	.2000522	5.018781	.5882182	.2503718	.4022377	174.3632
Stddev	.0004328	.0005320	.026643	.0016948	.0005088	.0012824	.4584
%RSD	.2152869	.2659192	.5308579	.2881277	.2032101	.3188165	.2629024

#1	.2015038	.1996594	5.022857	.5870699	.2497867	.4030489	174.1850
#2	.2006443	.1998398	5.043150	.5874198	.2506185	.4007592	174.8839
#3	.2009854	.2006576	4.990335	.5901647	.2507102	.4029049	174.0206

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.196414	8.895204	.5633070	.0710162	2.681158	.6424738	.4036929
Stddev	.004912	.034840	.0009498	.0001253	.012598	.0012791	.0013173
%RSD	.4105530	.3916696	.1686175	.1763940	.4698754	.1990953	.3263222

#1	1.193455	8.913070	.5622250	.0711072	2.669224	.6410178	.4049597
#2	1.202084	8.917487	.5636931	.0710680	2.694329	.6434167	.4037888
#3	1.193703	8.855055	.5640031	.0708733	2.679921	.6429869	.4023302

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.43041	.2642312	.3803018	.6213081	1.254868	4.008086	7.281011
Stddev	.05171	.0012016	.0002060	.0022410	.002710	.028645	.018259
%RSD	.3850222	.4547618	.0541747	.3606914	.2159475	.7146858	.2507699

#1	13.38939	.2631434	.3804677	.6208757	1.253402	3.983993	7.298759
#2	13.48850	.2640291	.3800712	.6193148	1.257996	4.039759	7.262281
#3	13.41335	.2655210	.3803666	.6237338	1.253207	4.000507	7.281992

Sample Name: P5076-01MSD Acquired: 12/6/2024 15:29:18 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.9837880	.2402912	.0725262
Stddev	.0038941	.0010888	.0005085
%RSD	.3958318	.4531233	.7010863
#1	.9852748	.2392819	.0721521
#2	.9793694	.2414451	.0731051
#3	.9867197	.2401465	.0723213

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2654.825	63501.98	14455.51	1822.261	4132.929
Stddev	5.472	20.10	26.23	4.108	1.163
%RSD	.2061055	.0316599	.1814825	.2254099	.0281363
#1	2649.247	63523.21	14437.89	1818.004	4132.049
#2	2655.045	63499.50	14442.98	1822.578	4132.490
#3	2660.184	63483.23	14485.66	1826.201	4134.247

Sample Name: CCV04 Acquired: 12/6/2024 15:40:34 Type: Unk
Method: NON EPA-6010-200.7(v2506) 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	4.871450	4.908309	4.955478	4.907397	4.784339	9.823094	9.560022
Stddev	.013808	.079963	.005015	.020373	.009564	.014129	.056242
%RSD	.2834440	1.629128	.1012020	.4151412	.1998917	.1438353	.5883059

#1	4.860221	4.835755	4.955796	4.886493	4.773891	9.835030	9.565271
#2	4.886867	4.994042	4.960327	4.908505	4.786465	9.807494	9.501340
#3	4.867263	4.895128	4.950312	4.927193	4.792660	9.826759	9.613456

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2496168	2.498755	24.61994	1.016807	2.477214	1.244085	4.883362
Stddev	.0008411	.000894	.05140	.004675	.001491	.000325	.015578
%RSD	.3369434	.0357603	.2087819	.4597451	.0602060	.0260930	.3190081

#1	.2486829	2.499681	24.57811	1.011772	2.477806	1.244029	4.865417
#2	.2498528	2.497898	24.60439	1.021010	2.475517	1.244434	4.893414
#3	.2503146	2.498686	24.67733	1.017639	2.478318	1.243792	4.891255

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.416118	24.75055	2.481885	1.227302	25.61600	2.480474	2.429368
Stddev	.004623	.06588	.000142	.001959	.12535	.003113	.009329
%RSD	.1913355	.2661789	.0057160	.1595857	.4893578	.1255083	.3840148

#1	2.410818	24.69529	2.481967	1.225698	25.60984	2.478502	2.427276
#2	2.419316	24.73291	2.481721	1.226722	25.74432	2.484063	2.421263
#3	2.418221	24.82346	2.481966	1.229485	25.49384	2.478856	2.439566

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.46360	4.877799	4.994352	4.949422	4.818825	5.112867	4.950523
Stddev	.07370	.010619	.009502	.006485	.001414	.028716	.018041
%RSD	.3140845	.2177057	.1902531	.1310352	.0293512	.5616387	.3644159

#1	23.42364	4.876261	4.983383	4.945620	4.817352	5.079774	4.938053
#2	23.54864	4.868033	5.000055	4.956911	4.818950	5.131210	4.971209
#3	23.41851	4.889103	4.999618	4.945736	4.820173	5.127617	4.942307

Sample Name: CCV04 Acquired: 12/6/2024 15:40:34 Type: Unk
Method: NON EPA-6010-200.7(v2506) 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	4.841848	4.649151	4.863035
Stddev	.020232	.016855	.024974
%RSD	.4178511	.3625371	.5135547
#1	4.823163	4.643736	4.884991
#2	4.863334	4.668048	4.835866
#3	4.839046	4.635669	4.868249

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2460.820	58144.82	13436.07	1681.823	3913.893
Stddev	4.661	55.20	29.46	5.247	6.405
%RSD	.1893928	.0949378	.2192607	.3120015	.1636509
#1	2463.787	58087.02	13407.59	1676.361	3917.659
#2	2463.224	58150.43	13466.42	1686.825	3917.523
#3	2455.448	58196.99	13434.19	1682.282	3906.498

Sample Name: CCB04 Acquired: 12/6/2024 15:44:16 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0007085	-.001006	-.000117	-.000389	.0028155	.0137595	-.000866
Stddev	.0029937	.001416	.001081	.001022	.0014688	.0020414	.000247
%RSD	422.5444	140.7781	924.3303	262.7037	52.16741	14.83619	28.56138

#1	-.002748	-.000426	.000451	-.000628	.0038779	.0142480	-.000582
#2	.002490	-.002620	-.001363	-.001271	.0034291	.0155122	-.000981
#3	.002383	.000028	.000561	.000731	.0011394	.0115181	-.001035

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000526	.0001713	-.001087	.0001504	.0001273	-.000242	.0077896
Stddev	.0000761	.0000430	.007101	.0003046	.0001894	.000139	.0007308
%RSD	144.8086	25.08057	653.2334	202.4931	148.8508	57.39199	9.381869

#1	.0001383	.0002207	.004465	.0000678	.0001608	-.000126	.0085915
#2	.0000267	.0001426	-.009089	-.000104	.0002977	-.000204	.0076164
#3	-.000007	.0001506	.001362	.000488	-.000077	-.000396	.0071610

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005724	-.001006	.0005344	.0007873	.0507638	.0008439	-.000807
Stddev	.0000974	.002728	.0003179	.0000992	.0125345	.0007522	.000137
%RSD	17.02349	271.1136	59.48745	12.59676	24.69173	89.14038	17.01410

#1	.0005157	.001661	.0006780	.0007893	.0365662	.0005222	-.000657
#2	.0006849	-.000888	.0001700	.0006872	.0554266	.0017035	-.000838
#3	.0005165	-.003792	.0007551	.0008855	.0602985	.0003059	-.000926

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.060190	.0053236	.0010499	-.000830	.0013275	.0025687	-.002643
Stddev	.001252	.0002836	.0002587	.000698	.0001246	.0034289	.000625
%RSD	2.080201	5.327156	24.63653	84.07984	9.382676	133.4920	23.63494

#1	-.058930	.0054273	.0012691	-.000437	.0012099	.0036280	-.001997
#2	-.060204	.0055407	.0007646	-.000418	.0013147	-.001265	-.003244
#3	-.061434	.0050027	.0011160	-.001636	.0014580	.005343	-.002689

Sample Name: CCB04 Acquired: 12/6/2024 15:44:16 Type: Unk
 Method: NON EPA-6010-200.7(v2499) 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	-.003846	-.000125	.0006486
Stddev	.001448	.000115	.0001072
%RSD	37.66146	92.01750	16.52099
#1	-.004755	-.000191	.0007380
#2	-.002175	.000008	.0006779
#3	-.004607	-.000190	.0005298

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2624.178	62209.93	13624.71	1811.855	4525.391
Stddev	3.549	94.17	5.48	4.530	5.429
%RSD	.1352427	.1513690	.0402430	.2500282	.1199579
#1	2620.099	62168.06	13622.83	1806.802	4522.367
#2	2626.555	62143.96	13620.41	1813.207	4531.658
#3	2625.881	62317.77	13630.88	1815.555	4522.147

Sample Name: P5076-01A Acquired: 12/6/2024 15:48:36 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.8020518	1.870463	1.022877	1.730337	.3665896	74.13253	.5350920
Stddev	.0030644	.001542	.000719	.002561	.0009555	.16079	.0033836
%RSD	.3820651	.0824304	.0702595	.1479982	.2606485	.2168934	.6323414

#1	.8040639	1.870924	1.022262	1.732627	.3676799	74.02354	.5326260
#2	.7985251	1.871722	1.023667	1.727572	.3658981	74.05685	.5337006
#3	.8035665	1.868744	1.022702	1.730812	.3661908	74.31719	.5389495

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1997755	.2019722	5.112447	.5859793	.2535028	.4046543	176.8169
Stddev	.0006813	.0001000	.019788	.0026249	.0003411	.0021837	1.0668
%RSD	.3410226	.0494854	.3870476	.4479493	.1345546	.5396568	.6033317

#1	.1993740	.2018568	5.098910	.5843049	.2534991	.4071339	175.6543
#2	.1993903	.2020262	5.135156	.5846284	.2538457	.4030177	177.0458
#3	.2005621	.2020334	5.103275	.5890045	.2531635	.4038112	177.7507

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.210812	8.842035	.5696116	.0723043	2.750030	.6432086	.4068880
Stddev	.007403	.036832	.0007598	.0002823	.018828	.0050949	.0015795
%RSD	.6113682	.4165516	.1333952	.3903901	.6846482	.7921096	.3881796

#1	1.202294	8.807098	.5687571	.0720649	2.745478	.6377830	.4073573
#2	1.214452	8.880506	.5702113	.0722324	2.733896	.6439515	.4081796
#3	1.215689	8.838502	.5698664	.0726156	2.770717	.6478913	.4051270

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.75183	.2692970	.3821765	.6299672	1.276936	4.259813	7.325275
Stddev	.06514	.0033557	.0013063	.0018915	.006814	.007213	.013534
%RSD	.4736755	1.246115	.3418071	.3002583	.5336522	.1693189	.1847527

#1	13.74265	.2656811	.3834147	.6278163	1.269314	4.251533	7.326643
#2	13.69177	.2698986	.3808114	.6307141	1.279054	4.264730	7.311109
#3	13.82108	.2723112	.3823033	.6313713	1.282440	4.263176	7.338072

Sample Name: P5076-01A Acquired: 12/6/2024 15:48:36 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	1.000223	.2442233	.0740212
Stddev	.007765	.0014626	.0006438
%RSD	.7762864	.5988917	.8697237

#1	1.009174	.2436869	.0740608
#2	.996185	.2431046	.0733585
#3	.995309	.2458784	.0746443

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2635.256	63477.57	14526.08	1834.856	4091.017
Stddev	10.365	24.34	22.51	6.694	6.015
%RSD	.3933367	.0383434	.1549380	.3648414	.1470279

#1	2624.787	63490.66	14548.43	1829.605	4085.332
#2	2645.515	63492.56	14503.42	1832.568	4097.315
#3	2635.467	63449.49	14526.39	1842.394	4090.405

Sample Name: P5095-01 Acquired: 12/6/2024 15:52:36 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0660730	-.005892	.2627390	-.072798	-.001082	149.6222
Stddev	.0012334	.004945	.0047931	.001194	.002142	.3302
%RSD	1.866709	83.92975	1.824299	1.640166	197.9538	.2206814

#1	.0663880	-.000182	.2578816	-.073676	-.001959	149.2412
#2	.0647126	-.008719	.2628701	-.073279	.001359	149.7992
#3	.0671183	-.008775	.2674652	-.071439	-.002647	149.8260

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.658759	.0173459	.0372384	94.57198	.3467686	.2226975
Stddev	.004250	.0000055	.0003843	.32576	.0014078	.0003848
%RSD	.1598307	.0314838	1.032091	.3444612	.4059880	.1728092

#1	2.654304	.0173520	.0367953	94.79658	.3483914	.2224285
#2	2.659205	.0173443	.0374818	94.72101	.3458736	.2225257
#3	2.662768	.0173415	.0374381	94.19836	.3460409	.2231383

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2669257	361.2345	8.616108	92.72572	.4807973	-.001713
Stddev	.0005631	1.8561	.028363	.23571	.0012002	.000732
%RSD	.2109409	.5138285	.3291902	.2542064	.2496289	42.73480

#1	.2674051	361.0519	8.611316	92.79820	.4800094	-.002412
#2	.2670663	359.4765	8.646562	92.91668	.4802039	-.001774
#3	.2663057	363.1752	8.590446	92.46228	.4821786	-.000952

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.67135	.4192963	.9273600	34.09031	.1608996	.0020068
Stddev	.02935	.0005977	.0017148	.01276	.0028890	.0002217
%RSD	.2146683	.1425474	.1849089	.0374422	1.795518	11.04531

#1	13.63852	.4188758	.9293099	34.07757	.1603855	.0019587
#2	13.69505	.4190325	.9266831	34.10310	.1583021	.0018132
#3	13.68047	.4199805	.9260870	34.09027	.1640111	.0022486

Sample Name: P5095-01 Acquired: 12/6/2024 15:52:36 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0099545	3.664020	1.751450	F 10.67311	.5864354	.3808473
Stddev	.0006672	.004621	.015485	.03081	.0016600	.0011956
%RSD	6.702644	.1261156	.8841344	.2886977	.2830631	.3139410
#1	.0100319	3.658762	1.768904	10.63841	.5875853	.3794667
#2	.0092519	3.667437	1.739362	10.69726	.5845323	.3815344
#3	.0105796	3.665860	1.746083	10.68367	.5871885	.3815408

Elem	Sr4077
Units	ppm
Avg	-.055206
Stddev	.001970
%RSD	3.567757
#1	-.055965
#2	-.052970
#3	-.056683

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2931.115	71957.98	17297.47	2043.715	3557.422
Stddev	12.689	104.54	13.24	4.330	13.012
%RSD	.4329025	.1452760	.0765417	.2118914	.3657729
#1	2934.813	71849.11	17292.13	2040.032	3563.737
#2	2941.543	71967.26	17287.74	2048.485	3566.072
#3	2916.987	72057.56	17312.55	2042.626	3542.458

Sample Name: P5096-01 Acquired: 12/6/2024 15:56:58 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.3334467	.0257821	3.182391	-.136423	.0141929	174.0356
Stddev	.0018470	.0013860	.003830	.004446	.0005661	.3607
%RSD	.5539154	5.375768	.1203635	3.258804	3.988831	.2072796

#1	.3344588	.0264667	3.183514	-.141510	.0137448	173.8475
#2	.3313148	.0241870	3.178125	-.133286	.0140047	174.4515
#3	.3345664	.0266926	3.185535	-.134472	.0148292	173.8077

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.477616	.0196597	.0808840	49.93919	.9431221	.2978337
Stddev	.006696	.0000585	.0007975	.13694	.0018145	.0012776
%RSD	.2702502	.2977369	.9860308	.2742105	.1923972	.4289570

#1	2.469885	.0196339	.0817391	49.99503	.9436542	.2970339
#2	2.481407	.0197267	.0801604	50.03938	.9411010	.2971600
#3	2.481556	.0196184	.0807525	49.78315	.9446111	.2993071

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.074847	664.5556	11.08320	92.42676	.6398744	-.007650
Stddev	.006315	4.7411	.02292	.29550	.0006705	.000289
%RSD	.5875577	.7134213	.2067653	.3197131	.1047877	3.780002

#1	1.081969	659.3638	11.06273	92.59526	.6397015	-.007928
#2	1.069928	668.6555	11.10795	92.59947	.6393072	-.007351
#3	1.072645	665.6475	11.07892	92.08556	.6406144	-.007671

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.42369	.6321748	2.389870	28.20516	.1468947	.0167943
Stddev	.07622	.0020205	.004076	.14708	.0065342	.0001235
%RSD	.5678140	.3196124	.1705504	.5214532	4.448192	.7356192

#1	13.34292	.6300870	2.385168	28.03734	.1396743	.0168165
#2	13.49436	.6341206	2.392405	28.31161	.1486090	.0166611
#3	13.43379	.6323166	2.392036	28.26654	.1524008	.0169052

Sample Name: P5096-01 Acquired: 12/6/2024 15:56:58 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.2129698	3.414836	2.220070	F 10.93390	1.761453	.5559496
Stddev	.0013352	.006160	.018741	.06572	.012349	.0011714
%RSD	.6269271	.1804000	.8441769	.6010566	.7010508	.2106940
#1	.2119140	3.411570	2.199278	10.86564	1.756798	.5546541
#2	.2144707	3.421942	2.225273	10.93931	1.752108	.5569339
#3	.2125248	3.410996	2.235661	10.99674	1.775452	.5562609

Elem	Sr4077
Units	ppm
Avg	-.362510
Stddev	.004209
%RSD	1.161013
#1	-.357891
#2	-.366129
#3	-.363510

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2695.737	67172.09	16081.91	1892.834	3559.041
Stddev	3.546	224.02	6.45	7.891	2.214
%RSD	.1315443	.3335006	.0401139	.4168657	.0622133
#1	2691.981	67429.88	16074.95	1901.889	3557.217
#2	2696.202	67024.64	16083.10	1887.433	3561.504
#3	2699.027	67061.76	16087.69	1889.180	3558.401

Sample Name: P5096-05 Acquired: 12/6/2024 16:01:18 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0620407	-.004251	2.160962	-.062713	.0026591	143.4972
Stddev	.0016048	.000539	.006908	.000994	.0022106	.0618
%RSD	2.586715	12.68000	.3196883	1.585728	83.13179	.0430369

#1	.0622794	-.004862	2.153853	-.063741	.0002462	143.5644
#2	.0635129	-.003844	2.161383	-.062641	.0031444	143.4430
#3	.0603300	-.004046	2.167650	-.061756	.0045867	143.4841

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.153693	.0138794	.0326939	60.63651	.3272727	.2236688
Stddev	.003892	.0000978	.0003587	.25225	.0008524	.0006305
%RSD	.1807280	.7043662	1.097275	.4160026	.2604683	.2818796

#1	2.158059	.0138513	.0328335	60.82144	.3275272	.2231480
#2	2.150586	.0137987	.0322864	60.73893	.3279690	.2234888
#3	2.152436	.0139881	.0329619	60.34916	.3263220	.2243697

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3938216	323.1945	7.079960	70.96304	.4195053	-.001254
Stddev	.0010677	1.2020	.022607	.28940	.0015268	.000469
%RSD	.2711072	.3719076	.3193100	.4078240	.3639433	37.40994

#1	.3946122	322.3243	7.096419	71.14843	.4190653	-.001476
#2	.3926071	322.6930	7.089277	71.11113	.4182468	-.001570
#3	.3942456	324.5660	7.054183	70.62956	.4212037	-.000715

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.417955	.4529929	1.330121	17.53829	.1312888	.0081116
Stddev	.003064	.0001580	.002359	.01124	.0022438	.0000801
%RSD	.0413094	.0348818	.1773632	.0640671	1.709036	.9880386

#1	7.421357	.4531073	1.332437	17.55125	.1293760	.0081698
#2	7.417099	.4528126	1.330205	17.53120	.1307318	.0080202
#3	7.415411	.4530588	1.327721	17.53243	.1337587	.0081450

Sample Name: P5096-05 Acquired: 12/6/2024 16:01:18 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0331104	2.656104	2.525707	F 10.22652	1.391039	.3901387
Stddev	.0003504	.004371	.010587	.04630	.000655	.0008372
%RSD	1.058335	.1645630	.4191529	.4527107	.0471144	.2145976

#1	.0335033	2.660889	2.513701	10.25249	1.391127	.3910301
#2	.0328303	2.655102	2.529719	10.17307	1.390344	.3893689
#3	.0329975	2.652322	2.533702	10.25400	1.391645	.3900170

Elem	Sr4077
Units	ppm
Avg	-.062073
Stddev	.001678
%RSD	2.703035

#1	-.060694
#2	-.061585
#3	-.063941

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2882.417	70655.40	16956.12	2011.333	3662.073
Stddev	5.292	95.62	36.99	5.324	5.066
%RSD	.1835992	.1353333	.2181607	.2646768	.1383336

#1	2877.364	70744.06	16922.52	2016.948	3663.909
#2	2887.919	70668.04	16950.08	2006.359	3665.965
#3	2881.967	70554.08	16995.76	2010.692	3656.345

Sample Name: P5098-01 Acquired: 12/6/2024 16:05:31 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0410071	.0014718	.1284644	-.028022	-.000721	89.51540	.3671863
Stddev	.0013509	.0009713	.0002879	.002856	.001912	.02819	.0004858
%RSD	3.294176	65.99429	.2241329	10.19226	265.2137	.0314917	.1323028

#1	.0398995	.0013657	.1283057	-.030460	-.002927	89.51689	.3677451
#2	.0406097	.0024917	.1287968	-.024880	.000459	89.48649	.3669500
#3	.0425121	.0005579	.1282907	-.028726	.000305	89.54282	.3668639

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062853	.0066091	20.40521	.1423034	.0764441	1.099514	169.6166
Stddev	.0000078	.0002468	.11223	.0008991	.0007320	.010800	.7290
%RSD	.1244491	3.734338	.5500023	.6318058	.9575680	.9822286	.4297681

#1	.0062885	.0068103	20.42549	.1426626	.0768206	1.103647	169.5041
#2	.0062909	.0066833	20.50592	.1429674	.0769113	1.107637	170.3952
#3	.0062763	.0063337	20.28423	.1412803	.0756005	1.087258	168.9503

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.283766	34.75509	.1592855	.0005509	1.986836	.2228875	.4428602
Stddev	.019755	.23705	.0013058	.0003745	.006841	.0014155	.0016529
%RSD	.6016078	.6820515	.8198065	67.97541	.3443037	.6350862	.3732260

#1	3.296776	34.82687	.1596044	.0001686	1.991408	.2241872	.4409808
#2	3.293488	34.94796	.1604024	.0005672	1.978972	.2230960	.4435120
#3	3.261033	34.49045	.1578498	.0009170	1.990129	.2213793	.4440878

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.671627	.0725532	.0010955	.0057220	1.194843	3.721503	3.124033
Stddev	.022416	.0006933	.0002815	.0009396	.002812	.017161	.011817
%RSD	.3359941	.9556164	25.69956	16.42111	.2353792	.4611188	.3782451

#1	6.659607	.0717760	.0012853	.0066456	1.195801	3.740850	3.121194
#2	6.657784	.0727752	.0012291	.0057535	1.197052	3.708122	3.137010
#3	6.697490	.0731083	.0007720	.0047671	1.191677	3.715536	3.113894

Sample Name: P5098-01 Acquired: 12/6/2024 16:05:31 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	1.286419	.1810609	-.066442
Stddev	.009302	.0010719	.000859
%RSD	.7230791	.5920155	1.293298
#1	1.295906	.1808529	-.066116
#2	1.286038	.1801082	-.067417
#3	1.277314	.1822216	-.065794

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2645.473	64025.50	15013.15	1809.300	3963.468
Stddev	22.798	92.42	59.70	10.037	31.098
%RSD	.8617616	.1443475	.3976785	.5547558	.7846216
#1	2632.207	64132.21	14980.28	1819.299	3946.303
#2	2632.415	63972.27	14977.11	1809.376	3944.735
#3	2671.797	63972.01	15082.07	1799.225	3999.366

Sample Name: P5100-01 Acquired: 12/6/2024 16:09:38 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0423989	-.008881	.3739336	-.035465	-.000573	119.2298	.5110811
Stddev	.0013573	.002344	.0014204	.000753	.000890	.1821	.0020378
%RSD	3.201283	26.39202	.3798654	2.123525	155.2002	.1527136	.3987170

#1	.0421225	-.011164	.3729176	-.035044	.000451	119.0237	.5097936
#2	.0412010	-.006480	.3733264	-.035016	-.001156	119.2969	.5134305
#3	.0438731	-.009000	.3755567	-.036335	-.001014	119.3688	.5100193

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078962	.0135178	90.60498	.1727415	.0866135	.1699619	201.9608
Stddev	.0001989	.0002097	.27375	.0006403	.0000626	.0023599	.8663
%RSD	2.518571	1.550965	.3021324	.3706879	.0723110	1.388464	.4289325

#1	.0079198	.0133006	90.77660	.1732164	.0866440	.1687998	202.7011
#2	.0076865	.0135338	90.74907	.1729947	.0865414	.1684084	202.1733
#3	.0080821	.0137190	90.28929	.1720132	.0866550	.1726774	201.0081

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.636478	50.70888	.1623657	-.001193	4.979631	.3097306	.6320704
Stddev	.016519	.18381	.0006449	.000264	.021352	.0023935	.0019098
%RSD	.4542666	.3624835	.3971800	22.08468	.4287840	.7727544	.3021506

#1	3.636395	50.89215	.1623259	-.001395	4.992742	.3077539	.6338683
#2	3.653038	50.70996	.1630295	-.000895	4.991158	.3123917	.6300656
#3	3.620000	50.52454	.1617416	-.001290	4.954993	.3090461	.6322774

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.455824	.0687989	.0022588	.0155317	2.655596	5.512631	5.764023
Stddev	.015662	.0021767	.0002232	.0011498	.006211	.024593	.023525
%RSD	.2426082	3.163799	9.881585	7.403115	.2338772	.4461123	.4081275

#1	6.448702	.0712377	.0021028	.0154576	2.657132	5.534483	5.738287
#2	6.473782	.0681059	.0021592	.0144207	2.660896	5.517410	5.769364
#3	6.444989	.0670532	.0025145	.0167168	2.648762	5.485999	5.784418

Sample Name: P5100-01 Acquired: 12/6/2024 16:09:38 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	1.357278	.0953579	.0179721
Stddev	.004953	.0001887	.0009793
%RSD	.3649587	.1979177	5.448875
#1	1.353039	.0954206	.0168528
#2	1.356070	.0955073	.0183925
#3	1.362723	.0951458	.0186710

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2801.360	66889.03	15773.89	1923.082	3822.568
Stddev	3.373	125.43	31.78	10.279	2.077
%RSD	.1203914	.1875155	.2014813	.5345144	.0543341
#1	2799.044	66774.57	15795.89	1916.170	3821.116
#2	2805.229	66869.40	15737.45	1918.181	3821.640
#3	2799.807	67023.12	15788.33	1934.894	3824.947

Sample Name: P5105-01 Acquired: 12/6/2024 16:13:43 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	1.511848	.0225062	.5971194	-.151098	.0158662	156.4332
Stddev	.003021	.0008476	.0026456	.000276	.0011747	.4303
%RSD	.1998128	3.766130	.4430520	.1824867	7.403468	.2750946

#1	1.508370	.0227976	.5972882	-.150926	.0169454	156.4469
#2	1.513360	.0215514	.5996764	-.150952	.0146151	155.9962
#3	1.513815	.0231697	.5943934	-.151416	.0160381	156.8566

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.126220	.0311318	.0853952	190.3259	.4556571	.4811361
Stddev	.002456	.0002891	.0009224	.1193	.0003325	.0009713
%RSD	.2180405	.9284716	1.080174	.0626840	.0729805	.2018844

#1	1.123951	.0308003	.0843947	190.4350	.4553481	.4812146
#2	1.128828	.0313307	.0862119	190.1985	.4560090	.4801279
#3	1.125882	.0312646	.0855788	190.3441	.4556141	.4820658

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5985412	654.8583	10.76360	118.4091	.4996559	-.017597
Stddev	.0033581	3.2793	.00946	.2888	.0014087	.000719
%RSD	.5610532	.5007684	.0878649	.2439138	.2819381	4.088711

#1	.5948011	657.9058	10.76018	118.2485	.5006313	-.016869
#2	.6012979	651.3882	10.77429	118.2364	.4980409	-.018308
#3	.5995245	655.2811	10.75633	118.7426	.5002956	-.017615

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.127734	.5224558	1.670848	16.30853	.1501219	.0065950
Stddev	.001838	.0015267	.005610	.02837	.0060344	.0001239
%RSD	.1629470	.2922198	.3357444	.1739771	4.019634	1.879087

#1	1.129571	.5217964	1.677313	16.33651	.1569478	.0065568
#2	1.127736	.5213696	1.667966	16.30932	.1454972	.0067335
#3	1.125895	.5242014	1.667266	16.27978	.1479207	.0064946

Sample Name: P5105-01 Acquired: 12/6/2024 16:13:43 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0363836	3.249689	2.462031	F 10.43597	1.163072	.0987647
Stddev	.0014614	.007062	.002134	.03155	.010940	.0006340
%RSD	4.016739	.2173098	.0866690	.3023276	.9406491	.6419160
#1	.0358083	3.241692	2.464480	10.42127	1.163941	.0981751
#2	.0380452	3.255070	2.460567	10.41445	1.151722	.0986839
#3	.0352975	3.252304	2.461047	10.47219	1.173551	.0994353

Elem	Sr4077
Units	ppm
Avg	-.280948
Stddev	.004007
%RSD	1.426194
#1	-.284873
#2	-.276864
#3	-.281107

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2936.658	72883.78	17194.56	2069.041	3517.950
Stddev	5.547	123.58	22.45	14.619	5.463
%RSD	.1888769	.1695541	.1305884	.7065459	.1552792
#1	2942.974	72744.30	17211.48	2052.290	3524.113
#2	2932.581	72979.60	17203.11	2075.608	3516.032
#3	2934.419	72927.44	17169.08	2079.224	3513.706

Sample Name: P5108-01 Acquired: 12/6/2024 16:17:59 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0232476	-.144684	.0715845	-.151204	-.001825	397.4076
Stddev	.0024535	.004630	.0028336	.001477	.001757	2.6719
%RSD	10.55396	3.199892	3.958416	.9768888	96.28363	.6723226

#1	.0259266	-.145910	.0686989	-.151914	-.003383	394.6942
#2	.0227063	-.148577	.0716915	-.149506	.000080	397.4926
#3	.0211099	-.139565	.0743631	-.152193	-.002173	400.0359

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2800928	.0123863	.0989660	308.2720	.3027911	.5597849
Stddev	.0003304	.0000490	.0002762	1.0682	.0011193	.0010702
%RSD	.1179790	.3958623	.2790740	.3465097	.3696428	.1911835

#1	.2797714	.0124353	.0987396	307.0582	.3015240	.5590264
#2	.2800754	.0123863	.0988846	309.0689	.3032041	.5593192
#3	.2804316	.0123372	.0992737	308.6890	.3036451	.5610090

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.111464	628.0008	6.502136	327.6811	.8785334	-.006263
Stddev	.005522	.7797	.027083	.9096	.0017905	.001059
%RSD	.4967979	.1241536	.4165278	.2775863	.2038032	16.91279

#1	1.110052	627.9221	6.471502	326.6629	.8767384	-.005055
#2	1.117554	627.2634	6.522901	328.4135	.8785427	-.007036
#3	1.106784	628.8168	6.512005	327.9669	.8803193	-.006697

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.305046	1.655825	.8179886	.7307708	.5133600	-.005041
Stddev	.018668	.003258	.0004857	.0036873	.0047393	.000479
%RSD	.2247772	.1967719	.0593761	.5045761	.9231915	9.491809

#1	8.321939	1.652370	.8174356	.7266065	.5093181	-.005529
#2	8.285004	1.658842	.8183459	.7320849	.5121859	-.004572
#3	8.308194	1.656263	.8181842	.7336211	.5185759	-.005023

Sample Name: P5108-01 Acquired: 12/6/2024 16:17:59 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.028593	F 34.64821	1.594498	F 10.06334	5.372772	.2159755
Stddev	.001877	.07118	.005285	.01217	.023076	.0008119
%RSD	6.564271	.2054280	.3314612	.1209141	.4295007	.3759029
#1	-.026449	34.57695	1.589659	10.07024	5.347910	.2156656
#2	-.029938	34.71931	1.593698	10.04929	5.376902	.2153643
#3	-.029391	34.64836	1.600138	10.07049	5.393505	.2168967

Elem	Sr4077
Units	ppm
Avg	-.246495
Stddev	.000471
%RSD	.1908798
#1	-.246858
#2	-.245963
#3	-.246663

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2684.198	67414.40	16795.77	1858.972	3159.876
Stddev	7.646	71.05	34.90	5.074	5.890
%RSD	.2848387	.1053945	.2078125	.2729661	.1864143
#1	2675.377	67362.67	16834.75	1855.363	3155.023
#2	2688.297	67495.41	16785.13	1864.774	3166.429
#3	2688.920	67385.12	16767.42	1856.779	3158.174

Sample Name: LR1 Acquired: 12/6/2024 16:25:34 Type: Unk
Method: NON EPA-6010-200.7(v2503) 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	.0422990	-.022119	-.013169	-.235352	-.008285	1852.242	.0135875
Stddev	.0120978	.006193	.006950	.007612	.002099	6.231	.0001215
%RSD	28.60062	27.99799	52.77547	3.234438	25.33923	.3364232	.8945169

#1	.0301180	-.029208	-.020690	-.236433	-.008236	1849.245	.0134488
#2	.0424672	-.019390	-.006983	-.227257	-.006211	1848.075	.0136752
#3	.0543117	-.017759	-.011835	-.242366	-.010409	1859.405	.0136385

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097751	.1278610	1641.661	-.001590	.0467936	.3264891	988.9050
Stddev	.0000915	.0020134	3.913	.000354	.0008362	.0091202	8.7918
%RSD	.9359202	1.574694	.2383632	22.27388	1.787086	2.793425	.8890433

#1	.0097176	.1256245	1645.931	-.001783	.0459436	.3160220	998.6702
#2	.0097271	.1295292	1640.806	-.001182	.0476154	.3327264	981.6190
#3	.0098806	.1284294	1638.246	-.001807	.0468219	.3307190	986.4259

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.109808	1693.142	.0166376	-.043808	1831.461	.0616388	.3326270
Stddev	.001053	7.956	.0009103	.002414	6.451	.0019591	.0040390
%RSD	.9585076	.4699233	5.471323	5.511252	.3522142	3.178382	1.214270

#1	-.108650	1701.942	.0156093	-.041658	1837.284	.0595432	.3325734
#2	-.110705	1686.455	.0173402	-.046420	1832.571	.0619486	.3366925
#3	-.110070	1691.029	.0169634	-.043345	1824.527	.0634246	.3286151

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1252.030	.1173760	-.013046	.0074727	-.036546	.1458906	.0893452
Stddev	1.566	.0145757	.001908	.0051191	.000370	.0142223	.0173374
%RSD	.1250966	12.41795	14.62391	68.50448	1.012929	9.748607	19.40491

#1	1252.170	.1341377	-.014503	.0071343	-.036913	.1562973	.0720385
#2	1253.522	.1076779	-.013749	.0025311	-.036553	.1516896	.1067131
#3	1250.399	.1103124	-.010887	.0127526	-.036172	.1296850	.0892841

Sample Name: LR1 Acquired: 12/6/2024 16:25:34 Type: Unk
Method: NON EPA-6010-200.7(v2503) 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	-.217380	-.262678	-.977592
Stddev	.014857	.000185	.008765
%RSD	6.834731	.0704112	.8965805
#1	-.226108	-.262891	-.987332
#2	-.200225	-.262559	-.970339
#3	-.225806	-.262584	-.975106

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1450.200	36580.06	10093.19	993.7973	2068.371
Stddev	6.039	35.80	17.61	3.6226	2.542
%RSD	.4164289	.0978789	.1744642	.3645169	.1229194
#1	1452.576	36561.12	10083.45	991.8829	2070.030
#2	1443.334	36557.70	10082.61	991.5336	2065.444
#3	1454.689	36621.35	10113.52	997.9754	2069.639

Sample Name: LR2 Acquired: 12/6/2024 16:30:30 Type: Unk
Method: NON EPA-6010-200.7(v2503) 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	.0125600	-.044675	229.6170	.0043546	-.001667	.0795559	^F *****
Stddev	.0012082	.003445	.2150	.0026753	.000617	.0099539	-----
%RSD	9.619022	7.710994	.0936331	61.43619	37.03043	12.51183	-----

#1	.0112964	-.045377	229.3941	.0033837	-.002240	.0806241	^ -----
#2	.0126799	-.040933	229.6339	.0023004	-.001014	.0889326	^ -----
#3	.0137038	-.047714	229.8231	.0073799	-.001747	.0691110	^ -----

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002632	-.006935	.3198716	.0131360	-.026987	257.6941	.0117410
Stddev	.000067	.000013	.0093928	.0002355	.000394	.8256	.0100718
%RSD	2.551334	.1812600	2.936418	1.792835	1.460254	.3203631	85.78270

#1	-.002574	-.006938	.3148216	.0128838	-.027014	257.5704	.0130504
#2	-.002706	-.006921	.3307090	.0133502	-.027367	256.9373	.0210941
#3	-.002616	-.006945	.3140841	.0131740	-.026580	258.5745	.0010786

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	43.90602	-.068677	46.70814	.0056260	.8705715	-.016959	36.46378
Stddev	.47557	.011462	.01020	.0000794	.0378797	.000759	.21477
%RSD	1.083159	16.68951	.0218395	1.410557	4.351129	4.478033	.5889964

#1	43.60636	-.072496	46.70175	.0055477	.8971401	-.016095	36.43055
#2	43.65733	-.055793	46.70277	.0056239	.8873781	-.017258	36.26756
#3	44.45437	-.077742	46.71991	.0057064	.8271965	-.017523	36.69322

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5992306	-.002953	-.005429	-.006214	-.044222	-.002500	2.083949
Stddev	.0636726	.000609	.000393	.000109	.000328	.001957	.021091
%RSD	10.62572	20.61054	7.231613	1.749133	.7407660	78.31505	1.012084

#1	.6616584	-.003086	-.005792	-.006146	-.043970	-.002364	2.061531
#2	.6016509	-.003483	-.005482	-.006158	-.044103	-.004521	2.103399
#3	.5343823	-.002288	-.005012	-.006340	-.044592	-.000613	2.086917

Sample Name: LR2 Acquired: 12/6/2024 16:30:30 Type: Unk
Method: NON EPA-6010-200.7(v2503) 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	-.035326	.0005490	.0019267
Stddev	.003565	.0002936	.0000341
%RSD	10.09046	53.47326	1.771168
#1	-.032135	.0008360	.0018942
#2	-.039173	.0005617	.0019237
#3	-.034671	.0002493	.0019622

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2214.296	59428.69	13538.52	1642.441	4043.277
Stddev	6.531	103.33	122.90	6.133	6.900
%RSD	.2949293	.1738699	.9077993	.3734232	.1706416
#1	2220.854	59402.45	13622.98	1648.250	4050.061
#2	2214.241	59542.61	13595.06	1643.045	4043.504
#3	2207.794	59341.01	13397.52	1636.028	4036.267

Sample Name: CCV05 Acquired: 12/6/2024 16:35:39 Type: Unk
Method: NON EPA-6010-200.7(v2504) 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	4.808900	4.818442	4.887056	4.845994	4.734450	9.797142	9.512353
Stddev	.025705	.063305	.036579	.035195	.015147	.037731	.057844
%RSD	.5345266	1.313797	.7484774	.7262679	.3199416	.3851185	.6080925
#1	4.838304	4.891489	4.924535	4.886517	4.748907	9.755965	9.508266
#2	4.797708	4.779573	4.885183	4.828404	4.735747	9.830057	9.572133
#3	4.790690	4.784262	4.851450	4.823062	4.718695	9.805403	9.456662
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2500765	2.462236	24.45549	1.005357	2.442693	1.232115	4.848170
Stddev	.0012737	.014676	.06171	.001759	.016618	.008554	.012439
%RSD	.5093438	.5960301	.2523502	.1749353	.6803123	.6942589	.2565658
#1	.2500881	2.477492	24.40208	1.004426	2.459593	1.240788	4.835611
#2	.2513445	2.460996	24.52305	1.007385	2.442116	1.231871	4.860485
#3	.2487970	2.448219	24.44134	1.004259	2.426372	1.223685	4.848415
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.418867	24.48971	2.446564	1.222560	25.31137	2.468717	2.384496
Stddev	.004770	.18759	.013225	.003271	.34814	.006895	.010459
%RSD	.1971916	.7659860	.5405641	.2675748	1.375430	.2792796	.4386280
#1	2.417869	24.27672	2.459890	1.224588	25.69706	2.462616	2.385589
#2	2.424057	24.63035	2.446360	1.224306	25.21668	2.476197	2.394366
#3	2.414675	24.56206	2.433441	1.218786	25.02037	2.467339	2.373534
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.23568	4.909185	4.921135	4.878396	4.826850	5.012539	4.885792
Stddev	.03630	.016720	.026047	.034374	.009375	.011366	.042655
%RSD	.1562084	.3405810	.5292864	.7046128	.1942216	.2267589	.8730426
#1	23.25815	4.912814	4.948260	4.915669	4.822064	5.006105	4.934246
#2	23.19381	4.923792	4.918823	4.871573	4.837652	5.005850	4.869217
#3	23.25509	4.890949	4.896321	4.847945	4.820836	5.025663	4.853912

Sample Name: CCV05 Acquired: 12/6/2024 16:35:39 Type: Unk
Method: NON EPA-6010-200.7(v2504) 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	4.787840	4.646205	4.873138
Stddev	.039982	.008017	.021356
%RSD	.8350730	.1725435	.4382413

#1	4.834001	4.652411	4.895247
#2	4.764134	4.649052	4.852625
#3	4.765384	4.637154	4.871541

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2492.839	58609.91	13423.11	1703.552	3969.966
Stddev	10.197	82.28	47.90	6.392	20.305
%RSD	.4090674	.1403833	.3568630	.3752196	.5114666

#1	2483.904	58576.88	13427.59	1700.832	3951.279
#2	2490.666	58549.29	13373.13	1698.969	3967.045
#3	2503.948	58703.58	13468.62	1710.854	3991.573

Sample Name: CCB05 Acquired: 12/6/2024 16:39:38 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0002278	-.001088	.0012933	-.001448	.0015053	.0053150	-.001748
Stddev	.0023241	.000840	.0006449	.001602	.0005789	.0041972	.000201
%RSD	1020.380	77.23345	49.86318	110.6189	38.45877	78.96862	11.52205

#1	.0013032	-.002040	.0009706	.000174	.0013492	.0082491	-.001597
#2	.0018194	-.000448	.0020358	-.001490	.0010205	.0071887	-.001976
#3	-.002439	-.000776	.0008735	-.003029	.0021464	.0005073	-.001670

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000604	.0001375	-.000749	.0000783	.0001134	.0011229	.0062265
Stddev	.0000276	.0000131	.001759	.0001389	.0001045	.0001091	.0035234
%RSD	45.68302	9.548612	234.8703	177.4254	92.21055	9.713310	56.58728

#1	.0000842	.0001377	.000107	.0002251	-.000006	.0012451	.0092746
#2	.0000667	.0001242	-.002772	.0000607	.000155	.0010881	.0023687
#3	.0000302	.0001504	.000418	-.000051	.000190	.0010354	.0070361

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002440	.0102519	.0006829	.0008120	.3298239	-.000263	-.000908
Stddev	.0002671	.0086737	.0001784	.0001483	.0150712	.001231	.000130
%RSD	109.4469	84.60548	26.12771	18.26615	4.569464	468.7302	14.33674

#1	-.000015	.0199092	.0006433	.0007142	.3124218	.001147	-.000903
#2	.000518	.0031243	.0008779	.0009827	.3386495	-.001123	-.000780
#3	.000229	.0077222	.0005277	.0007392	.3384004	-.000811	-.001041

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2121548	.0016860	.0007072	-.000219	.0002771	.0012241	-.002026
Stddev	.0119418	.0002943	.0001944	.000126	.0001863	.0030603	.002004
%RSD	5.628828	17.45773	27.48925	57.56886	67.23119	250.0007	98.92227

#1	.1984799	.0019275	.0009187	-.000126	.0001158	-.000428	.000017
#2	.2174581	.0013581	.0006663	-.000363	.0002346	-.000655	-.003989
#3	.2205266	.0017724	.0005365	-.000169	.0004810	.004755	-.002106

Sample Name: CCB05 Acquired: 12/6/2024 16:39:38 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.002062	.0014000	.0000800
Stddev	.001851	.0004204	.0000330
%RSD	89.77912	30.02815	41.23153
#1	-.000657	.0010092	.0001169
#2	-.001370	.0018448	.0000532
#3	-.004160	.0013462	.0000700

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2671.607	62564.33	13676.24	1831.786	4598.440
Stddev	1.619	25.64	23.16	5.916	5.044
%RSD	.0605968	.0409792	.1693747	.3229712	.1096881
#1	2670.015	62547.43	13656.68	1830.095	4593.162
#2	2673.252	62551.74	13701.82	1838.364	4598.948
#3	2671.555	62593.83	13670.22	1826.900	4603.211

Sample Name: P4997-07DLX5 Acquired: 12/6/2024 16:43:58 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0284195	-.011829	.0112602	.0030561	-.002431	294.5153
Stddev	.0020950	.004034	.0010005	.0016100	.001149	.4716
%RSD	7.371763	34.10425	8.885114	52.68198	47.27144	.1601127

#1	.0260176	-.010353	.0104632	.0044375	-.002351	294.9559
#2	.0293712	-.016393	.0109343	.0034429	-.001324	294.5720
#3	.0298698	-.008740	.0123829	.0012879	-.003619	294.0179

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2222549	-.000065	.0007009	14.17993	.0090361	.0036322
Stddev	.0006376	.000008	.0000826	.05487	.0000226	.0002841
%RSD	.2868664	12.44389	11.78004	.3869202	.2503538	7.822425

#1	.2229847	-.000074	.0006481	14.11679	.0090239	.0035536
#2	.2219739	-.000058	.0006585	14.21598	.0090622	.0033957
#3	.2218060	-.000063	.0007960	14.20703	.0090222	.0039474

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2541343	14.17633	9.055588	3.404317	.0090956	.0015619
Stddev	.0005386	.05469	.012366	.015424	.0003730	.0001903
%RSD	.2119211	.3857549	.1365597	.4530604	4.101411	12.18403

#1	.2537111	14.12069	9.041389	3.386546	.0094060	.0014059
#2	.2539513	14.17827	9.063994	3.412192	.0086818	.0015059
#3	.2547405	14.23001	9.061381	3.414214	.0091991	.0017739

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.89646	.0146606	.0525818	1.201253	.0112907	.0009389
Stddev	.05206	.0006964	.0000960	.025409	.0002572	.0003694
%RSD	.4777429	4.750283	.1825340	2.115173	2.277843	39.34453

#1	10.95175	.0154505	.0525294	1.209507	.0113892	.0011291
#2	10.84838	.0141352	.0526925	1.172743	.0109988	.0005131
#3	10.88924	.0143961	.0525234	1.221508	.0114841	.0011744

Sample Name: P4997-07DLX5 Acquired: 12/6/2024 16:43:58 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0001659	.0722371	8.189712	5.394280	F 12.00496	-.000192
Stddev	.0002432	.0001373	.066407	.025286	.05555	.000501
%RSD	146.5932	.1900369	.8108529	.4687620	.4627369	261.6469
#1	-.000088	.0721887	8.174247	5.418510	12.05080	-.000467
#2	.000397	.0721305	8.132403	5.396275	12.02090	-.000495
#3	.000189	.0723920	8.262487	5.368055	11.94318	.000387

Elem	Sr4077
Units	ppm
Avg	.0403748
Stddev	.0001417
%RSD	.3509247
#1	.0404942
#2	.0402183
#3	.0404120

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2535.803	59451.15	13935.08	1751.987	3941.414
Stddev	2.420	137.22	12.11	4.807	2.521
%RSD	.0954457	.2308116	.0868724	.2743901	.0639699
#1	2537.183	59448.16	13930.26	1754.583	3941.213
#2	2537.217	59589.85	13926.12	1754.937	3944.030
#3	2533.008	59315.45	13948.85	1746.439	3939.000

Sample Name: P5051-07DLX5 Acquired: 12/6/2024 16:48:19 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0267984	-.013294	.0112955	.0040464	-.002927	303.6090
Stddev	.0025633	.003440	.0003948	.0009325	.000401	.5036
%RSD	9.565062	25.87857	3.494749	23.04406	13.70215	.1658612

#1	.0253404	-.009344	.0117239	.0041615	-.002678	303.4638
#2	.0252967	-.015635	.0112163	.0030617	-.003390	304.1692
#3	.0297581	-.014903	.0109464	.0049160	-.002713	303.1940

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2333589	-.000134	.0007805	14.86402	.0084238	.0033814
Stddev	.0012210	.000036	.0000902	.01740	.0000247	.0001662
%RSD	.5232395	27.01707	11.55847	.1170600	.2927759	4.913683

#1	.2320252	-.000173	.0008805	14.87967	.0083954	.0035001
#2	.2336296	-.000101	.0007051	14.86709	.0084396	.0034526
#3	.2344218	-.000129	.0007560	14.84528	.0084365	.0031915

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2244941	13.31050	9.380927	3.599760	.0094994	.0012376
Stddev	.0003591	.03818	.020453	.013757	.0002052	.0002486
%RSD	.1599371	.2868358	.2180261	.3821703	2.159797	20.08712

#1	.2242083	13.29511	9.367907	3.586555	.0095968	.0009510
#2	.2248971	13.28242	9.370373	3.614010	.0096378	.0013675
#3	.2243770	13.35397	9.404501	3.598716	.0092637	.0013944

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.25434	.0138807	.0476065	1.241447	.0116785	.0006696
Stddev	.04622	.0003599	.0001630	.026928	.0004358	.0001091
%RSD	.3771648	2.593128	.3422811	2.169049	3.731988	16.28935

#1	12.24514	.0140289	.0476565	1.223899	.0113602	.0005890
#2	12.21340	.0134703	.0474245	1.227992	.0121752	.0006261
#3	12.30446	.0141428	.0477387	1.272450	.0115000	.0007937

Sample Name: P5051-07DLX5 Acquired: 12/6/2024 16:48:19 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.001049	.0685058	8.697867	5.349038	F 12.50973	-.000818
Stddev	.000772	.0002846	.035268	.010338	.02465	.000086
%RSD	73.54862	.4155031	.4054808	.1932612	.1970100	10.56000
#1	-.001648	.0682353	8.661382	5.337188	12.48528	-.000891
#2	-.001322	.0688028	8.700441	5.356210	12.53457	-.000723
#3	-.000178	.0684794	8.731778	5.353716	12.50934	-.000840

Elem	Sr4077
Units	ppm
Avg	.0432229
Stddev	.0002379
%RSD	.5504438
#1	.0429912
#2	.0432108
#3	.0434666

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2518.668	59252.60	13933.80	1757.494	3929.258
Stddev	2.651	58.21	20.65	3.771	5.096
%RSD	.1052419	.0982375	.1481947	.2145568	.1296930
#1	2515.780	59262.34	13911.09	1761.091	3923.804
#2	2520.989	59305.32	13938.88	1757.820	3930.070
#3	2519.234	59190.13	13951.44	1753.571	3933.898

Sample Name: P5068-07DLX5 Acquired: 12/6/2024 16:52:40 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0311929	-.015769	.0125213	.0030393	-.003643	354.3691
Stddev	.0011462	.003236	.0019855	.0042228	.001326	.8227
%RSD	3.674584	20.51774	15.85708	138.9373	36.40982	.2321482

#1	.0324061	-.015198	.0117715	-.001164	-.002973	354.3764
#2	.0301282	-.012858	.0110199	.007281	-.002785	353.5428
#3	.0310443	-.019253	.0147726	.003001	-.005170	355.1880

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2578532	-.000165	.0008877	15.65939	.0088917	.0033490
Stddev	.0014690	.000056	.0003190	.03469	.0005729	.0001123
%RSD	.5697079	34.22473	35.93437	.2215120	6.443611	3.353111

#1	.2565331	-.000107	.0012479	15.62142	.0082600	.0032565
#2	.2594358	-.000168	.0007744	15.68942	.0093780	.0034739
#3	.2575907	-.000220	.0006408	15.66732	.0090370	.0033165

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2558729	14.12898	10.36935	3.504942	.0107667	.0017673
Stddev	.0001968	.06186	.04847	.012561	.0001121	.0002760
%RSD	.0768927	.4378573	.4673958	.3583759	1.040932	15.61507

#1	.2560933	14.05765	10.31506	3.490665	.0107865	.0020832
#2	.2558105	14.16120	10.40826	3.509866	.0106461	.0015728
#3	.2557150	14.16808	10.38473	3.514295	.0108677	.0016460

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.73892	.0146416	.0529799	1.223763	.0114920	.0006788
Stddev	.07961	.0004885	.0004123	.018387	.0008115	.0003127
%RSD	.6782137	3.336253	.7782186	1.502465	7.061861	46.06272

#1	11.69023	.0144936	.0525072	1.215780	.0105572	.0005159
#2	11.83079	.0151870	.0531675	1.210716	.0120165	.0010393
#3	11.69572	.0142443	.0532651	1.244791	.0119023	.0004812

Sample Name: P5068-07DLX5 Acquired: 12/6/2024 16:52:40 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0008400	.0499521	9.708939	5.841091	F 13.64739	-.001252
Stddev	.0010443	.0002848	.024218	.019768	.04900	.000284
%RSD	124.3234	.5701597	.2494417	.3384298	.3590591	22.68021
#1	-.000333	.0496237	9.692128	5.862381	13.69556	-.001440
#2	.001186	.0501012	9.697992	5.837575	13.64901	-.001391
#3	.001667	.0501313	9.736699	5.823317	13.59759	-.000925

Elem	Sr4077
Units	ppm
Avg	.0466785
Stddev	.0003172
%RSD	.6795794
#1	.0463930
#2	.0470200
#3	.0466225

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2480.022	57938.00	13622.41	1718.416	3824.132
Stddev	3.251	43.76	14.46	.710	1.941
%RSD	.1311008	.0755312	.1061349	.0412905	.0507672
#1	2477.160	57980.68	13638.95	1717.619	3824.061
#2	2479.349	57940.09	13612.20	1718.979	3822.227
#3	2483.557	57893.23	13616.07	1718.651	3826.108

Sample Name: P5068-07DUPDLX5 Acquired: 12/6/2024 16:57:02 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0313609	-.013818	.0113473	.0040585	-.002722	367.2116
Stddev	.0012044	.003492	.0015156	.0009857	.001376	2.0785
%RSD	3.840295	25.27179	13.35626	24.28686	50.53081	.5660093

#1	.0325753	-.009831	.0101759	.0051866	-.003613	367.5081
#2	.0313406	-.016333	.0130590	.0036254	-.001138	369.1258
#3	.0301668	-.015289	.0108069	.0033635	-.003416	365.0008

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2694211	-.000152	.0007841	16.16872	.0093863	.0036332
Stddev	.0014338	.000040	.0000809	.12955	.0001456	.0000729
%RSD	.5321657	26.11920	10.32302	.8012486	1.551125	2.007625

#1	.2697015	-.000192	.0007137	16.17304	.0092185	.0036730
#2	.2706940	-.000153	.0008726	16.29606	.0094792	.0036775
#3	.2678679	-.000112	.0007660	16.03707	.0094612	.0035490

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2661596	14.73696	10.79212	3.608128	.0110264	.0015554
Stddev	.0004704	.10545	.07479	.035333	.0004674	.0000476
%RSD	.1767435	.7155390	.6930371	.9792746	4.238566	3.062119

#1	.2657840	14.61803	10.77245	3.593930	.0104868	.0015557
#2	.2666872	14.77380	10.87478	3.648352	.0112891	.0015076
#3	.2660076	14.81905	10.72913	3.582101	.0113032	.0016029

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.32072	.0148656	.0560208	1.260906	.0124253	.0008272
Stddev	.01145	.0015213	.0004552	.005949	.0006107	.0004855
%RSD	.0929649	10.23361	.8125300	.4718400	4.915089	58.68950

#1	12.33390	.0163153	.0555027	1.256172	.0122667	.0013437
#2	12.31507	.0132817	.0562036	1.258962	.0119095	.0003804
#3	12.31319	.0149999	.0563562	1.267585	.0130996	.0007574

Sample Name: P5068-07DUPDLX5 Acquired: 12/6/2024 16:57:02 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.000603	.0522932	F 10.09215	6.085883	F 14.22582	-.001526
Stddev	.001108	.0005608	.11682	.024908	.04142	.000274
%RSD	183.6724	1.072439	1.157489	.4092791	.2911888	17.93716

#1	-.000378	.0529082	10.04794	6.058179	14.21010	-.001841
#2	-.001807	.0521613	10.00390	6.093042	14.19457	-.001383
#3	.000375	.0518101	10.22462	6.106427	14.27281	-.001353

Elem	Sr4077
Units	ppm
Avg	.0486256
Stddev	.0003544
%RSD	.7287309

#1	.0488118
#2	.0488480
#3	.0482169

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2449.375	57550.87	13591.45	1706.866	3774.327
Stddev	1.998	267.10	93.69	6.553	1.348
%RSD	.0815680	.4641171	.6893414	.3839308	.0357034

#1	2447.250	57710.30	13561.18	1711.758	3775.012
#2	2449.660	57699.81	13516.64	1709.419	3775.194
#3	2451.215	57242.50	13696.54	1699.420	3772.774

Sample Name: P5068-07LDLX25 Acquired: 12/6/2024 17:01:23 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0061236	-.003280	.0027829	.0006179	-.000276	71.88705	.0511384
Stddev	.0014651	.001042	.0008507	.0021410	.000425	.35270	.0004712
%RSD	23.92547	31.77372	30.56725	346.4693	153.7231	.4906348	.9213616

#1	.0078107	-.002976	.0020764	.0013851	-.000634	71.48595	.0506129
#2	.0051725	-.004441	.0025451	-.001801	-.000388	72.14871	.0512791
#3	.0053874	-.002424	.0037272	.002270	.000193	72.02650	.0515232

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000015	.0001799	3.201961	.0016945	.0008070	.0546722	2.837342
Stddev	.000040	.0000420	.033302	.0001385	.0000552	.0001872	.021326
%RSD	261.5627	23.31929	1.040065	8.174095	6.840578	.3423105	.7516221

#1	-.000007	.0002282	3.165476	.0015345	.0008669	.0546729	2.823143
#2	-.000058	.0001527	3.209684	.0017739	.0007582	.0544847	2.827018
#3	.000020	.0001589	3.230723	.0017750	.0007958	.0548590	2.861866

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.149676	.7249424	.0023615	.0007217	2.418831	.0031987	.0098450
Stddev	.017854	.0059982	.0001445	.0001678	.008398	.0011654	.0001519
%RSD	.8305379	.8274029	6.119991	23.24570	.3471925	36.43316	1.542939

#1	2.130885	.7180747	.0022472	.0008771	2.428301	.0020729	.0097416
#2	2.151728	.7275989	.0023133	.0007442	2.412287	.0044000	.0097741
#3	2.166416	.7291537	.0025239	.0005439	2.415906	.0031232	.0100194

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2329840	-.000070	.0002125	-.000431	.0103921	1.912902	1.118905
Stddev	.0039765	.000230	.0000833	.000531	.0002403	.010994	.003475
%RSD	1.706773	330.6339	39.21359	123.1026	2.312355	.5747392	.3105366

#1	.2313558	-.000192	.0002388	.000176	.0101160	1.900337	1.114899
#2	.2375161	-.000213	.0002794	-.000662	.0105057	1.920757	1.121101
#3	.2300799	.000196	.0001192	-.000808	.0105545	1.917611	1.120716

Sample Name: P5068-07LDLX25 Acquired: 12/6/2024 17:01:23 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	2.626147	-.001117	.0098215
Stddev	.010176	.000463	.0000783
%RSD	.3875021	41.42741	.7970668
#1	2.620628	-.000722	.0097485
#2	2.637891	-.001004	.0099042
#3	2.619923	-.001626	.0098118

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2565.829	60634.82	13793.09	1796.841	4194.219
Stddev	1.156	96.26	68.63	7.914	4.627
%RSD	.0450469	.1587607	.4975666	.4404595	.1103148
#1	2564.964	60536.78	13871.43	1792.654	4190.977
#2	2567.142	60729.20	13743.58	1805.970	4192.163
#3	2565.381	60638.47	13764.27	1791.900	4199.518

Sample Name: P5068-07MSDLX5 Acquired: 12/6/2024 17:05:40 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.1846994	.3566106	.2009735	.3887596	.1094116	366.3757
Stddev	.0028779	.0050479	.0010024	.0015641	.0003294	2.4470
%RSD	1.558152	1.415515	.4987755	.4023402	.3010703	.6678807

#1	.1818716	.3531546	.1998976	.3904645	.1091910	367.8247
#2	.1846018	.3542739	.2018811	.3873908	.1092537	363.5505
#3	.1876249	.3624035	.2011417	.3884237	.1097903	367.7519

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3031764	.0397485	.0404283	16.26261	.0883990	.0432724
Stddev	.0015407	.0003453	.0001390	.10286	.0005039	.0002883
%RSD	.5081910	.8687755	.3437392	.6324806	.5699792	.6662757

#1	.3026145	.0394869	.0403276	16.24201	.0884683	.0429940
#2	.3019955	.0396186	.0405868	16.17161	.0878641	.0432533
#3	.3049192	.0401399	.0403705	16.37420	.0888647	.0435697

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3179637	15.00622	10.63326	3.982199	.1089075	.0166738
Stddev	.0003278	.10152	.07824	.036636	.0002692	.0001278
%RSD	.1030780	.6765319	.7358358	.9199963	.2472027	.7667996

#1	.3176408	14.93188	10.60748	3.952380	.1086072	.0165264
#2	.3179543	14.96488	10.57116	3.971121	.1089882	.0167405
#3	.3182961	15.12188	10.72114	4.023095	.1091272	.0167545

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.60975	.0729381	.0957543	3.193057	.0664645	.0632217
Stddev	.04543	.0014010	.0001455	.027631	.0003497	.0001954
%RSD	.3602975	1.920815	.1519503	.8653531	.5262117	.3090806

#1	12.66214	.0738387	.0956832	3.193734	.0664505	.0632971
#2	12.58591	.0736517	.0956580	3.165094	.0661219	.0633682
#3	12.58120	.0713240	.0959217	3.220344	.0668210	.0629998

Sample Name: P5068-07MSDLX5 Acquired: 12/6/2024 17:05:40 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0931055	.0830171	F 10.14714	7.170334	F 13.93935	.0384373
Stddev	.0006997	.0008079	.04016	.030682	.03717	.0010670
%RSD	.7514735	.9731151	.3958109	.4279083	.2666241	2.775963
#1	.0937399	.0823956	10.10155	7.159911	13.93948	.0392611
#2	.0932216	.0827255	10.17729	7.146221	13.90212	.0388189
#3	.0923551	.0839303	10.16259	7.204870	13.97645	.0372320

Elem	Sr4077
Units	ppm
Avg	.0879951
Stddev	.0004538
%RSD	.5156916
#1	.0880613
#2	.0875119
#3	.0884122

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2474.224	58364.63	13736.33	1705.575	3835.650
Stddev	4.348	127.29	60.59	2.387	1.744
%RSD	.1757468	.2180955	.4410947	.1399340	.0454613
#1	2477.153	58261.28	13722.45	1705.502	3835.823
#2	2469.228	58506.82	13802.65	1703.226	3837.301
#3	2476.291	58325.79	13683.88	1707.998	3833.826

Sample Name: P5068-07MSDDLX5 Acquired: 12/6/2024 17:09:58 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.1815168	.3604473	.2032777	.3841036	.1081729	367.5062
Stddev	.0023043	.0030465	.0006184	.0045856	.0010438	.5578
%RSD	1.269476	.8452086	.3042259	1.193834	.9649779	.1517662

#1	.1795112	.3575310	.2025956	.3832796	.1078665	367.8317
#2	.1840339	.3602017	.2034359	.3890453	.1093356	367.8247
#3	.1810054	.3636092	.2038017	.3799859	.1073165	366.8621

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3019224	.0407944	.0411690	16.47705	.0904131	.0439726
Stddev	.0013878	.0002639	.0000342	.03302	.0005505	.0001624
%RSD	.4596399	.6468489	.0830205	.2004242	.6089099	.3694317

#1	.3016168	.0406040	.0412082	16.47941	.0905157	.0437954
#2	.3034375	.0410956	.0411457	16.44291	.0909052	.0441146
#3	.3007129	.0406836	.0411531	16.50883	.0898185	.0440077

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3179077	15.00731	10.71570	4.049003	.1108155	.0163765
Stddev	.0010123	.04261	.01113	.008365	.0002399	.0002768
%RSD	.3184331	.2839320	.1038942	.2065852	.2165161	1.690433

#1	.3181155	15.02356	10.71368	4.042912	.1108582	.0165396
#2	.3168077	14.95897	10.70572	4.045556	.1105570	.0165329
#3	.3188001	15.03941	10.72771	4.058540	.1110311	.0160568

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.37437	.0742120	.0962241	3.128559	.0683143	.0632817
Stddev	.07389	.0011538	.0003954	.007107	.0010799	.0000955
%RSD	.5971485	1.554701	.4109486	.2271672	1.580783	.1509472

#1	12.44120	.0741228	.0957676	3.123189	.0672565	.0631722
#2	12.38690	.0754078	.0964419	3.125869	.0694150	.0633257
#3	12.29501	.0731054	.0964627	3.136618	.0682714	.0633474

Sample Name: P5068-07MSDDLX5 Acquired: 12/6/2024 17:09:58 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0963989	.0836229	F 10.13086	7.333606	F 14.18595	.0379695
Stddev	.0010689	.0004959	.02482	.041409	.03921	.0002259
%RSD	1.108868	.5930442	.2449709	.5646469	.2764008	.5950717

#1	.0974692	.0838285	10.10226	7.301239	14.15433	.0380432
#2	.0953314	.0839830	10.14679	7.319311	14.17370	.0381495
#3	.0963961	.0830572	10.14352	7.380269	14.22982	.0377160

Elem	Sr4077
Units	ppm
Avg	.0875700
Stddev	.0003735
%RSD	.4265560

#1	.0875950
#2	.0879304
#3	.0871846

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2552.445	58681.61	13674.62	1736.599	3895.765
Stddev	5.806	25.35	7.44	10.081	7.809
%RSD	.2274578	.0431943	.0543984	.5805176	.2004500

#1	2547.038	58654.43	13675.11	1724.960	3890.756
#2	2558.581	58704.61	13666.94	1742.598	3904.763
#3	2551.716	58685.79	13681.79	1742.239	3891.775

Sample Name: P5068-07ADLX5 Acquired: 12/6/2024 17:14:16 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.1817518	.3572662	.2006852	.3792209	.1059194	359.7719
Stddev	.0024879	.0084864	.0022430	.0026914	.0033355	1.3798
%RSD	1.368863	2.375385	1.117649	.7097248	3.149058	.3835304

#1	.1820349	.3488210	.1989211	.3762772	.1045036	360.0350
#2	.1840860	.3571842	.1999249	.3798300	.1035253	358.2794
#3	.1791344	.3657933	.2032094	.3815556	.1097292	361.0012

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3036537	.0409109	.0409574	16.46147	.0882630	.0438303
Stddev	.0015068	.0001003	.0005655	.04869	.0005896	.0004351
%RSD	.4962148	.2451476	1.380818	.2957929	.6680046	.9926343

#1	.3053930	.0407979	.0406209	16.41190	.0876679	.0434283
#2	.3028226	.0409455	.0406410	16.46328	.0888470	.0437704
#3	.3027455	.0409894	.0416103	16.50924	.0882741	.0442922

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3150541	14.96523	10.81871	4.028165	.1098298	.0161803
Stddev	.0039686	.01701	.02715	.018991	.0015141	.0004801
%RSD	1.259645	.1136725	.2509868	.4714623	1.378560	2.967099

#1	.3122831	14.98483	10.83905	4.006545	.1089494	.0158907
#2	.3132789	14.95439	10.78787	4.035797	.1089620	.0159158
#3	.3196004	14.95646	10.82920	4.042153	.1115781	.0167345

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.28694	.0733537	.0946289	3.025315	.0681767	.0619446
Stddev	.08991	.0012474	.0004403	.003228	.0007497	.0013018
%RSD	.7317827	1.700506	.4652979	.1066860	1.099631	2.101514

#1	12.39063	.0738614	.0947558	3.025702	.0689693	.0610486
#2	12.23054	.0742672	.0949918	3.021912	.0674789	.0613474
#3	12.23965	.0719326	.0941391	3.028333	.0680819	.0634378

Sample Name: P5068-07ADLX5 Acquired: 12/6/2024 17:14:16 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0978458	.0838979	9.955646	7.351416	F 14.08296	.0365314
Stddev	.0003658	.0002943	.021631	.104063	.17844	.0004748
%RSD	.3738125	.3507973	.2172723	1.415556	1.267073	1.299676
#1	.0981387	.0835953	9.930687	7.281660	13.95307	.0369904
#2	.0979629	.0839152	9.968968	7.301560	14.00938	.0360422
#3	.0974359	.0841832	9.967281	7.471027	14.28642	.0365616

Elem	Sr4077
Units	ppm
Avg	.0871206
Stddev	.0003580
%RSD	.4109758
#1	.0875244
#2	.0869956
#3	.0868419

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2573.460	59809.87	13692.00	1817.415	3922.258
Stddev	21.593	22.33	23.41	4.642	37.560
%RSD	.8390743	.0373347	.1709543	.2554012	.9576204
#1	2585.750	59803.31	13677.40	1812.161	3944.198
#2	2586.104	59791.56	13719.00	1819.125	3943.688
#3	2548.527	59834.75	13679.60	1820.960	3878.888

Sample Name: P5069-01DLX5 Acquired: 12/6/2024 17:18:34 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0535769	.0232369	1.186723	-.084973	.0196947	112.8544
Stddev	.0030465	.0016144	.001650	.004869	.0015150	.1114
%RSD	5.686204	6.947707	.1390429	5.729671	7.692555	.0987442

#1	.0562548	.0222332	1.188466	-.087140	.0195364	112.7408
#2	.0502624	.0250992	1.185185	-.079397	.0182651	112.8590
#3	.0542134	.0223783	1.186519	-.088383	.0212827	112.9635

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7156373	.0068697	.0244606	97.85033	.4632160	.0856012
Stddev	.0018293	.0001635	.0002913	.10140	.0011726	.0003759
%RSD	.2556129	2.379968	1.190784	.1036265	.2531490	.4391196

#1	.7171638	.0070134	.0247058	97.95255	.4644890	.0857498
#2	.7161384	.0069037	.0241386	97.84866	.4629789	.0858800
#3	.7136097	.0066918	.0245373	97.74978	.4621800	.0851737

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.035713	430.5567	7.959865	102.6429	.2165228	-.004264
Stddev	.006676	1.4783	.018262	.0366	.0005569	.000592
%RSD	.1654316	.3433436	.2294248	.0356552	.2571812	13.88276

#1	4.038783	429.1284	7.971471	102.6195	.2171604	-.004946
#2	4.028054	432.0803	7.969309	102.6240	.2161319	-.003889
#3	4.040302	430.4615	7.938815	102.6850	.2162761	-.003956

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.894423	.2317209	14.08915	4.632091	.1459807	.0172073
Stddev	.023881	.0010566	.03987	.021084	.0024328	.0002912
%RSD	.2684970	.4559750	.2829814	.4551686	1.666514	1.692500

#1	8.912681	.2328984	14.13264	4.608051	.1449488	.0173849
#2	8.903191	.2308555	14.08048	4.640781	.1487594	.0168712
#3	8.867397	.2314087	14.05433	4.647441	.1442340	.0173658

Sample Name: P5069-01DLX5 Acquired: 12/6/2024 17:18:34 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0913048	1.668897	7.603714	5.234623	F 21.65322	.0547055
Stddev	.0008497	.002782	.005749	.007562	.01455	.0002670
%RSD	.9305849	.1667118	.0756028	.1444628	.0671873	.4879718
#1	.0916832	1.672086	7.609914	5.242438	21.66956	.0549820
#2	.0903316	1.667645	7.602668	5.227342	21.64167	.0544493
#3	.0918995	1.666961	7.598560	5.234089	21.64844	.0546854

Elem	Sr4077
Units	ppm
Avg	.0552685
Stddev	.0018199
%RSD	3.292774
#1	.0573500
#2	.0539777
#3	.0544779

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2411.657	58971.83	13895.27	1670.990	3614.450
Stddev	2.405	122.82	49.21	8.810	2.497
%RSD	.0997348	.2082681	.3541577	.5272460	.0690850
#1	2411.734	58838.11	13840.33	1664.029	3616.045
#2	2414.023	58997.78	13910.20	1668.046	3615.733
#3	2409.214	59079.60	13935.29	1680.896	3611.573

Sample Name: P5138-01 Acquired: 12/6/2024 17:22:47 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0072985	.0029974	.0481344	-.004799	.0019549	2.997321	.0703239
Stddev	.0012833	.0017004	.0007228	.002650	.0013428	.006939	.0003361
%RSD	17.58359	56.72860	1.501548	55.22098	68.68900	.2315228	.4779096

#1	.0064016	.0039563	.0481504	-.006681	.0030501	3.004819	.0704060
#2	.0067253	.0010341	.0488490	-.005949	.0004568	2.991124	.0706114
#3	.0087685	.0040017	.0474038	-.001768	.0023579	2.996020	.0699545

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003575	.0006442	81.54811	.0111399	.0032060	.0320635	10.50906
Stddev	.0000279	.0000625	.08828	.0004002	.0000639	.0002193	.02588
%RSD	7.815339	9.696215	.1082544	3.592332	1.992588	.6839153	.2462777

#1	.0003468	.0007154	81.64891	.0113930	.0031767	.0318106	10.53330
#2	.0003892	.0005986	81.51086	.0106786	.0032793	.0321784	10.48181
#3	.0003364	.0006187	81.48457	.0113482	.0031621	.0322014	10.51208

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3680804	8.021411	.0097818	.0008750	23.17245	.0095940	.4713514
Stddev	.0003643	.031413	.0000962	.0001371	.06634	.0010314	.0024195
%RSD	.0989730	.3916091	.9833982	15.67012	.2862732	10.75072	.5133086

#1	.3680903	8.014936	.0096928	.0009106	23.20245	.0086172	.4688549
#2	.3677112	8.055557	.0097686	.0007236	23.09641	.0094922	.4715136
#3	.3684396	7.993741	.0098839	.0009908	23.21848	.0106725	.4736857

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.230866	.0456405	.0023834	-.001946	.1397083	8.996992	1.967896
Stddev	.004258	.0001320	.0003847	.000521	.0050754	.046185	.008010
%RSD	.0588866	.2892691	16.14093	26.76197	3.632856	.5133404	.4070442

#1	7.235731	.0454890	.0019550	-.002347	.1451758	9.050318	1.977145
#2	7.227817	.0457016	.0024957	-.001357	.1388017	8.970936	1.963369
#3	7.229049	.0457309	.0026994	-.002132	.1351472	8.969723	1.963174

Sample Name: P5138-01 Acquired: 12/6/2024 17:22:47 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	3.812659	-.004150	.2390047
Stddev	.004484	.000494	.0011710
%RSD	.1176211	11.91200	.4899449
#1	3.817754	-.004709	.2380921
#2	3.810914	-.003769	.2385969
#3	3.809310	-.003973	.2403250

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2464.942	60003.07	14183.53	1727.833	4078.462
Stddev	14.773	30.15	39.76	2.232	20.099
%RSD	.5993322	.0502536	.2803014	.1291700	.4928052
#1	2477.773	60008.99	14227.95	1730.408	4097.115
#2	2468.260	60029.83	14171.33	1726.468	4081.095
#3	2448.791	59970.40	14151.30	1726.622	4057.177

Sample Name: CCV06 Acquired: 12/6/2024 17:27:43 Type: Unk
Method: NON EPA-6010-200.7(v2499) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.952131	4.931534	5.022080	4.995331	4.842304	9.977582	9.675508
Stddev	.004678	.089942	.006512	.018262	.008029	.017800	.022794
%RSD	.0944705	1.823806	.1296607	.3655887	.1658111	.1783967	.2355876

#1	4.957446	5.025266	5.014665	5.016387	4.851540	9.957629	9.649245
#2	4.948640	4.923400	5.024706	4.985811	4.838380	9.983285	9.690143
#3	4.950306	4.845936	5.026868	4.983796	4.836991	9.991830	9.687137

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2531141	2.536276	24.92670	1.027187	2.513581	1.264648	4.908105
Stddev	.0006492	.002190	.08800	.002339	.002050	.001834	.044276
%RSD	.2565015	.0863304	.3530402	.2277034	.0815599	.1450241	.9021047

#1	.2538521	2.537233	24.82554	1.024494	2.513633	1.263311	4.856996
#2	.2526308	2.533771	24.96889	1.028705	2.511506	1.263894	4.934774
#3	.2528595	2.537824	24.98565	1.028363	2.515605	1.266738	4.932546

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.440163	24.97744	2.516768	1.246611	22.50983	2.516092	2.483741
Stddev	.009071	.05718	.001886	.001610	.06641	.009557	.006395
%RSD	.3717231	.2289144	.0749333	.1291708	.2950306	.3798454	.2574911

#1	2.429841	24.91285	2.516627	1.244915	22.55821	2.506467	2.476799
#2	2.446861	24.99786	2.514957	1.248119	22.53717	2.525579	2.489394
#3	2.443788	25.02160	2.518721	1.246800	22.43411	2.516229	2.485029

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.69641	4.958328	5.080704	5.017787	4.888522	5.179105	5.020684
Stddev	.09508	.014891	.010934	.007288	.005752	.052955	.020220
%RSD	.4012623	.3003156	.2152113	.1452498	.1176561	1.022475	.4027296

#1	23.58809	4.975290	5.092123	5.026158	4.883713	5.118157	5.043971
#2	23.76610	4.947409	5.079658	5.012849	4.894893	5.205305	5.007593
#3	23.73504	4.952285	5.070330	5.014354	4.886960	5.213853	5.010486

Sample Name: CCV06 Acquired: 12/6/2024 17:27:43 Type: Unk
Method: NON EPA-6010-200.7(v2499) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.927041	4.701146	4.972100
Stddev	.026492	.011012	.007126
%RSD	.5376884	.2342445	.1433139
#1	4.956171	4.712048	4.979792
#2	4.904389	4.701363	4.965724
#3	4.920562	4.690027	4.970784

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2459.075	58287.31	13464.23	1689.341	3919.202
Stddev	2.107	101.29	50.57	4.508	3.381
%RSD	.0857025	.1737830	.3755628	.2668721	.0862746
#1	2460.144	58399.67	13408.19	1689.673	3923.029
#2	2460.434	58202.99	13478.03	1684.676	3917.956
#3	2456.647	58259.27	13506.46	1693.674	3916.620

Sample Name: CCB06 Acquired: 12/6/2024 17:31:52 Type: Unk
Method: NON EPA-6010-200.7(v2499) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014075	.0003098	-.000854	-.001757	.0022123	-.001575	-.002207
Stddev	.0021014	.0007822	.000120	.000162	.0007357	.003141	.000380
%RSD	149.3021	252.5256	14.11357	9.223112	33.25702	199.4892	17.19501

#1	.0015983	.0012105	-.000752	-.001611	.0022165	.002046	-.001774
#2	.0034070	-.000199	-.000987	-.001727	.0014745	-.003574	-.002366
#3	-.000783	-.000082	-.000821	-.001931	.0029460	-.003196	-.002482

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000303	.0001188	-.008728	-.000017	.0001763	-.000225	.0010300
Stddev	.0000531	.0000050	.005627	.000309	.0001084	.000160	.0026365
%RSD	175.3339	4.182771	64.47299	1786.959	61.44736	70.84692	255.9578

#1	.0000694	.0001171	-.008278	.000052	.0002762	-.000190	.0032729
#2	.0000517	.0001148	-.014566	-.000356	.0000611	-.000400	-.001874
#3	-.000030	.0001244	-.003339	.000251	.0001917	-.000086	.001691

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000083	-.005547	.0004444	.0008925	.0749656	.0002772	-.000980
Stddev	.0001755	.013385	.0000991	.0004178	.0148034	.0001169	.000075
%RSD	2124.761	241.3023	22.30877	46.81501	19.74695	42.18596	7.626323

#1	.0001956	.006808	.0003450	.0012341	.0584777	.0002606	-.000985
#2	-.000018	-.019766	.0004450	.0004266	.0793041	.0001695	-.001051
#3	-.000152	-.003682	.0005432	.0010166	.0871150	.0004016	-.000902

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.052644	.0021520	.0011229	.0002326	.0004188	.0072958	-.002206
Stddev	.016734	.0002334	.0001043	.0005815	.0002609	.0045624	.002237
%RSD	31.78628	10.84592	9.286313	250.0170	62.28676	62.53448	101.3808

#1	-.070490	.0023887	.0012416	-.000400	.0007020	.0091220	-.004609
#2	-.050137	.0019221	.0010814	.000744	.0001883	.0106623	-.000183
#3	-.037306	.0021451	.0010458	.000353	.0003662	.0021032	-.001827

Sample Name: CCB06 Acquired: 12/6/2024 17:31:52 Type: Unk
Method: NON EPA-6010-200.7(v2499) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000627	-.000685	.0001058
Stddev	.001968	.000400	.0000670
%RSD	314.1195	58.30839	63.33912

#1	.001646	-.000254	.0001695
#2	-.001736	-.000758	.0001121
#3	-.001790	-.001044	.0000359

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2625.087	62269.68	13857.63	1808.337	4543.636
Stddev	.901	225.94	157.58	16.312	2.282
%RSD	.0343115	.3628331	1.137148	.9020179	.0502343

#1	2624.054	62013.71	13786.60	1789.572	4543.430
#2	2625.500	62354.01	14038.22	1816.320	4546.014
#3	2625.708	62441.33	13748.06	1819.120	4541.462

Sample Name: PB165430BL Acquired: 12/6/2024 17:36:13 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.000279	-.000548	-.001109	-.000374	-.000388	-.001278	-.002730
Stddev	.000662	.000303	.000091	.001210	.000795	.002312	.000394
%RSD	237.2463	55.23672	8.225236	322.9773	204.6825	180.9215	14.44415

#1	-.000971	-.000571	-.001152	-.001767	.000241	-.001958	-.002308
#2	-.000213	-.000235	-.001004	.000232	-.001282	-.003173	-.002795
#3	.000347	-.000839	-.001171	.000412	-.000124	.001298	-.003088

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000221	.0000402	-.001948	.0000893	.0001182	-.000393	-.002192
Stddev	.0000608	.0000949	.004355	.0003062	.0000222	.000108	.004323
%RSD	275.0953	235.9561	223.4979	343.0623	18.79100	27.50154	197.2483

#1	-.000033	.0001444	-.003499	.0004006	.0001176	-.000365	.002497
#2	.000011	-.000041	.002969	.0000788	.0000962	-.000512	-.003052
#3	.000088	.000017	-.005316	-.000212	.0001406	-.000301	-.006020

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000218	-.003938	.0002339	.0009068	.0664166	.0000786	-.001195
Stddev	.000075	.007601	.0002612	.0002615	.0113185	.0007022	.000098
%RSD	34.21523	193.0248	111.6348	28.84319	17.04164	893.3250	8.217562

#1	-.000299	-.005602	.0001459	.0011873	.0543645	-.000703	-.001084
#2	-.000204	-.010569	.0000282	.0006696	.0680646	.000655	-.001235
#3	-.000151	.004358	.0005278	.0008634	.0768209	.000284	-.001268

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.065938	-.001278	.0001913	-.000928	.0002401	.0040139	-.002805
Stddev	.008074	.000615	.0003388	.000394	.0002150	.0007780	.001169
%RSD	12.24491	48.15028	177.1062	42.48197	89.55602	19.38272	41.67651

#1	-.069623	-.000588	-.000200	-.001222	.0004517	.0047757	-.001460
#2	-.071513	-.001476	.000372	-.000480	.0002466	.0032207	-.003578
#3	-.056679	-.001769	.000401	-.001082	.0000219	.0040452	-.003377

Sample Name: PB165430BL Acquired: 12/6/2024 17:36:13 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.002047	-.000368	-.000004
Stddev	.001442	.000150	.000014
%RSD	70.41725	40.77640	342.0463

#1	-.003710	-.000540	.000012
#2	-.001281	-.000263	-.000016
#3	-.001150	-.000302	-.000008

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2639.311	62503.65	13688.83	1814.853	4554.687
Stddev	1.948	72.59	47.96	1.812	6.038
%RSD	.0738077	.1161370	.3503544	.0998612	.1325631

#1	2640.880	62437.11	13637.67	1815.001	4556.460
#2	2639.921	62492.77	13696.07	1812.971	4559.640
#3	2637.130	62581.06	13732.76	1816.587	4547.961

Sample Name: PB165430BS Acquired: 12/6/2024 17:40:34 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.7473945	1.977913	.9571412	1.893666	.7399291	1.956051
Stddev	.0009963	.009041	.0009379	.002943	.0027836	.007484
%RSD	.1333060	.4571137	.0979854	.1553965	.3761964	.3826286

#1	.7485395	1.980665	.9567907	1.894938	.7427062	1.948490
#2	.7469190	1.985259	.9582038	1.895760	.7371391	1.956207
#3	.7467251	1.967816	.9564291	1.890302	.7399419	1.963456

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1905112	.2064044	.1926246	1.046577	.4018501	.1948912
Stddev	.0009128	.0001250	.0001164	.005042	.0011144	.0001754
%RSD	.4791088	.0605750	.0604250	.4817443	.2773138	.0899939

#1	.1895003	.2063022	.1925392	1.041578	.4027341	.1950602
#2	.1907584	.2063672	.1927572	1.046493	.4005983	.1949031
#3	.1912749	.2065438	.1925774	1.051660	.4022178	.1947101

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3046948	2.844173	.2025787	1.975158	.4887939	.0725653
Stddev	.0005493	.018450	.0012030	.007963	.0006764	.0000960
%RSD	.1802793	.6486883	.5938253	.4031406	.1383707	.1323221

#1	.3051140	2.830256	.2013239	1.966320	.4888367	.0726746
#2	.3040729	2.837162	.2026899	1.977381	.4880971	.0725271
#3	.3048973	2.865101	.2037221	1.981773	.4894478	.0724943

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 2.520770	.3012711	.1996046	8.788343	.2936544	.4010910
Stddev	.005039	.0017266	.0002057	.033652	.0003120	.0005199
%RSD	.1999131	.5731074	.1030396	.3829162	.1062590	.1296294

#1	2.515392	.2992916	.1995001	8.752436	.2932975	.4016470
#2	2.525384	.3020545	.1994722	8.793430	.2937903	.4010090
#3	2.521533	.3024670	.1998416	8.819161	.2938755	.4006169

Sample Name: PB165430BS Acquired: 12/6/2024 17:40:34 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.6726834	.1944422	F .6869290	5.553554	F -.011910	.1960027
Stddev	.0011075	.0003473	.0082720	.008431	.002645	.0001853
%RSD	.1646401	.1786179	1.204203	.1518053	22.20770	.0945396
#1	.6734406	.1940432	.6783326	5.558769	-.008970	.1959159
#2	.6731972	.1946767	.6876211	5.558066	-.014097	.1958768
#3	.6714123	.1946068	.6948332	5.543828	-.012662	.1962155

Elem	Sr4077
Units	ppm
Avg	.2023423
Stddev	.0007443
%RSD	.3678566
#1	.2014828
#2	.2027718
#3	.2027723

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2614.276	61975.81	13416.49	1801.003	4370.397
Stddev	4.421	34.70	15.43	4.013	6.821
%RSD	.1690988	.0559968	.1150150	.2228291	.1560829
#1	2609.208	61980.71	13408.82	1798.203	4362.532
#2	2617.341	62007.81	13406.40	1805.601	4373.956
#3	2616.279	61938.92	13434.26	1799.206	4374.703

Sample Name: P5138-02 Acquired: 12/6/2024 17:44:35 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0061069	.0027642	.0470209	-.004608	.0020457	3.066716	.0708831
Stddev	.0008761	.0003182	.0002486	.001305	.0011339	.012657	.0005674
%RSD	14.34604	11.50970	.5286015	28.31460	55.42827	.4127094	.8005256

#1	.0051143	.0024737	.0469506	-.005842	.0008189	3.057986	.0702344
#2	.0064342	.0031042	.0472970	-.003243	.0022629	3.060930	.0711274
#3	.0067722	.0027147	.0468150	-.004740	.0030552	3.081231	.0712875

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003868	.0006056	80.63847	.0135389	.0035228	.0310671	10.42212
Stddev	.0000336	.0000842	.30195	.0001106	.0001139	.0005526	.03179
%RSD	8.685697	13.90194	.3744521	.8169910	3.233802	1.778621	.3050117

#1	.0003768	.0005274	80.29060	.0135792	.0036136	.0308882	10.38550
#2	.0004242	.0006947	80.79203	.0136236	.0035598	.0306262	10.44262
#3	.0003593	.0005946	80.83277	.0134137	.0033950	.0316870	10.43824

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3611631	7.916587	.0121471	.0008122	23.23702	.0083157	.4605268
Stddev	.0020296	.033674	.0003434	.0001538	.07630	.0009892	.0015091
%RSD	.5619734	.4253562	2.826730	18.93586	.3283460	11.89572	.3276995

#1	.3590431	7.878303	.0124450	.0007089	23.17623	.0087015	.4605609
#2	.3613581	7.941617	.0117715	.0007387	23.21218	.0071917	.4590009
#3	.3630883	7.929841	.0122249	.0009889	23.32264	.0090539	.4620186

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.237201	.0466082	.0025285	-.002082	.1478472	9.437967	1.905849
Stddev	.007686	.0000255	.0001042	.000917	.0007504	.019839	.012034
%RSD	.1061951	.0546813	4.119862	44.04039	.5075488	.2102042	.6314248

#1	7.232831	.0466358	.0026394	-.002046	.1469891	9.439674	1.919269
#2	7.232697	.0466032	.0024327	-.001184	.1481721	9.417330	1.902261
#3	7.246075	.0465856	.0025135	-.003016	.1483805	9.456898	1.896017

Sample Name: P5138-02 Acquired: 12/6/2024 17:44:35 Type: Unk
Method: NON EPA-6010-200.7(v2499) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.451140	-.003693	.2394911
Stddev	.021830	.000100	.0014846
%RSD	.4904419	2.705413	.6199018

#1	4.472049	-.003680	.2380984
#2	4.428492	-.003600	.2393217
#3	4.452878	-.003798	.2410531

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2448.925	60089.06	14143.34	1726.240	4062.965
Stddev	10.411	86.90	49.06	7.502	11.802
%RSD	.4251175	.1446171	.3468956	.4345773	.2904719

#1	2460.225	60181.65	14188.40	1732.206	4076.460
#2	2446.827	60076.26	14150.55	1728.696	4057.864
#3	2439.722	60009.27	14091.07	1717.818	4054.572

Sample Name: P5138-02DUP Acquired: 12/6/2024 17:48:47 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0061120	.0015864	.0475465	-.004017	.0020536	3.424812
Stddev	.0025035	.0013629	.0009231	.000871	.0004040	.016749
%RSD	40.96116	85.90843	1.941537	21.67523	19.67223	.4890351

#1	.0032978	.0030185	.0484055	-.003410	.0023914	3.420308
#2	.0069463	.0003053	.0476636	-.003628	.0016061	3.410777
#3	.0080918	.0014355	.0465704	-.005015	.0021634	3.443352

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0731390	.0003763	.0006129	80.10683	.0136341	.0034470
Stddev	.0003530	.0000408	.0001099	.25910	.0002130	.0001175
%RSD	.4825869	10.84770	17.93073	.3234430	1.562282	3.407551

#1	.0731176	.0003303	.0004885	79.83354	.0135100	.0035186
#2	.0735021	.0003903	.0006533	80.34892	.0135123	.0033114
#3	.0727972	.0004083	.0006968	80.13802	.0138801	.0035110

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0310004	10.53551	.3604550	7.903741	.0125631	.0008029
Stddev	.0002375	.04085	.0014841	.030954	.0001878	.0003931
%RSD	.7660631	.3877042	.4117155	.3916333	1.495140	48.95954

#1	.0310295	10.49662	.3587431	7.871727	.0124985	.0004435
#2	.0307497	10.57806	.3612432	7.933512	.0127747	.0012226
#3	.0312220	10.53184	.3613786	7.905983	.0124161	.0007424

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.80218	.0097428	.4627604	7.502590	.0462055	.0023429
Stddev	.13517	.0008996	.0007457	.044043	.0004485	.0000863
%RSD	.5679080	9.233573	.1611310	.5870369	.9707745	3.684099

#1	23.75435	.0103160	.4627581	7.488009	.0457629	.0022675
#2	23.69743	.0087059	.4620159	7.467687	.0466598	.0024371
#3	23.95477	.0102064	.4635072	7.552075	.0461938	.0023243

Sample Name: P5138-02DUP Acquired: 12/6/2024 17:48:47 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	-.001927	.1782157	F 10.55720	1.925397	4.524180	-.003760
Stddev	.000218	.0026140	.06853	.011014	.019000	.000306
%RSD	11.30378	1.466766	.6491679	.5720292	.4199668	8.129755
#1	-.001679	.1773842	10.56230	1.919409	4.502242	-.003545
#2	-.002085	.1761185	10.48626	1.918675	4.534958	-.004110
#3	-.002018	.1811443	10.62304	1.938108	4.535340	-.003625

Elem	Sr4077
Units	ppm
Avg	.2407050
Stddev	.0010444
%RSD	.4338707
#1	.2401503
#2	.2400551
#3	.2419097

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2412.647	59214.77	14045.12	1686.557	4010.296
Stddev	.217	131.56	30.07	4.000	4.548
%RSD	.0090051	.2221734	.2141279	.2371878	.1133997
#1	2412.890	59321.48	14079.75	1689.711	4013.057
#2	2412.472	59255.06	14030.03	1687.904	4012.784
#3	2412.578	59067.78	14025.58	1682.057	4005.047

Sample Name: P5138-02LX5 Acquired: 12/6/2024 17:52:59 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0003934	.0005008	.0084169	.0005266	.0004088	.7186412	.0116258
Stddev	.0016732	.0013393	.0005543	.0002835	.0007518	.0046212	.0005548
%RSD	425.3041	267.4504	6.585486	53.83219	183.8962	.6430517	4.772615

#1	-.001055	-.000949	.0090264	.0008233	-.000394	.7222983	.0115215
#2	.002225	.000759	.0079429	.0002586	.000523	.7201779	.0111305
#3	.000010	.001692	.0082814	.0004977	.001097	.7134474	.0122254

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000985	.0000573	16.36063	.0025653	.0005841	.0060699	2.083161
Stddev	.0000478	.0000059	.04401	.0000511	.0001211	.0000183	.015458
%RSD	48.53535	10.31095	.2690018	1.991281	20.72233	.3012501	.7420652

#1	.0000541	.0000638	16.31047	.0026019	.0005671	.0060605	2.068510
#2	.0000922	.0000521	16.37863	.0025069	.0004725	.0060910	2.081655
#3	.0001491	.0000561	16.39278	.0025871	.0007128	.0060582	2.099317

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0739616	1.620060	.0026035	.0008144	4.218150	.0014360	.0865497
Stddev	.0001296	.010232	.0002310	.0002044	.017896	.0007353	.0001976
%RSD	.1752435	.6315753	8.873411	25.10158	.4242526	51.20487	.2283502

#1	.0740900	1.612184	.0025978	.0006237	4.206860	.0022826	.0863859
#2	.0738308	1.631625	.0023753	.0007894	4.238783	.0009563	.0864939
#3	.0739640	1.616371	.0028372	.0010303	4.208806	.0010692	.0867692

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.337800	.0066391	.0005399	-.000848	.0412625	2.145252	.3612426
Stddev	.016060	.0002041	.0002457	.000493	.0013931	.007083	.0028644
%RSD	1.200499	3.074072	45.50287	58.17197	3.376221	.3301796	.7929252

#1	1.320656	.0064153	.0008223	-.001354	.0397418	2.149182	.3595723
#2	1.352496	.0066868	.0003753	-.000368	.0415686	2.149500	.3596053
#3	1.340247	.0068151	.0004221	-.000821	.0424771	2.137075	.3645500

Sample Name: P5138-02LX5 Acquired: 12/6/2024 17:52:59 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.8413468	-.001710	.0485381
Stddev	.0040517	.000280	.0002009
%RSD	.4815686	16.37375	.4138954
#1	.8398192	-.001394	.0485718
#2	.8459401	-.001812	.0487200
#3	.8382809	-.001925	.0483225

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2522.287	60722.88	13752.35	1737.314	4277.064
Stddev	9.258	110.12	19.76	10.226	4.974
%RSD	.3670367	.1813535	.1436748	.5885889	.1163023
#1	2514.451	60846.77	13737.57	1748.354	4272.258
#2	2532.502	60636.14	13744.69	1735.419	4282.191
#3	2519.907	60685.71	13774.79	1728.168	4276.742

Sample Name: P5138-02MS Acquired: 12/6/2024 17:57:17 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.8403905	2.053275	1.030910	1.055152	.8070126	5.759613
Stddev	.0025288	.014833	.002072	.003197	.0042223	.015406
%RSD	.3009122	.7224200	.2009588	.3029495	.5232005	.2674799

#1	.8432661	2.068627	1.033013	1.053851	.8029491	5.749521
#2	.8385132	2.039022	1.030845	1.052811	.8067111	5.777345
#3	.8393921	2.052178	1.028871	1.058794	.8113775	5.751972

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2783260	.2114636	.1992372	86.29310	.4127123	.2054459
Stddev	.0005796	.0004675	.0001205	.29767	.0011745	.0000925
%RSD	.2082404	.2210569	.0604826	.3449503	.2845936	.0450319

#1	.2780003	.2112688	.1992692	86.61767	.4115063	.2053393
#2	.2779826	.2111251	.1993385	86.22881	.4127780	.2054932
#3	.2789952	.2119970	.1991039	86.03284	.4138527	.2055052

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3519709	13.88454	.5868877	10.35750	.5146500	.0775149
Stddev	.0011535	.08563	.0021242	.03521	.0002035	.0003027
%RSD	.3277194	.6167290	.3619493	.3399355	.0395323	.3905262

#1	.3514643	13.97040	.5891659	10.38015	.5145002	.0778639
#2	.3511575	13.88407	.5865360	10.37541	.5148816	.0773579
#3	.3532910	13.79914	.5849613	10.31694	.5145681	.0773230

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.99743	.3203624	.6883735	18.05576	.3392216	.4233285
Stddev	.11616	.0015938	.0012240	.02508	.0007899	.0015760
%RSD	.4148797	.4975009	.1778088	.1388941	.2328670	.3722885

#1	27.87519	.3193593	.6871770	18.03258	.3392017	.4224804
#2	28.01075	.3195276	.6883201	18.05234	.3384419	.4223582
#3	28.10635	.3222002	.6896233	18.08238	.3400214	.4251470

Sample Name: P5138-02MS Acquired: 12/6/2024 17:57:17 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.6679086	.3788041	F 11.77095	8.091753	6.425091	.2108526
Stddev	.0005862	.0039827	.03908	.060110	.023859	.0010478
%RSD	.0877597	1.051394	.3320159	.7428597	.3713447	.4969327
#1	.6683451	.3814885	11.79093	8.158877	6.450610	.2101855
#2	.6672424	.3742281	11.79601	8.073488	6.403341	.2103122
#3	.6681384	.3806958	11.72592	8.042893	6.421322	.2120603

Elem	Sr4077
Units	ppm
Avg	.4701252
Stddev	.0012771
%RSD	.2716470
#1	.4693061
#2	.4694728
#3	.4715967

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2379.026	59106.94	13737.26	1666.942	3931.369
Stddev	7.521	59.93	4.30	5.975	4.850
%RSD	.3161219	.1013925	.0312813	.3584475	.1233617
#1	2383.157	59144.04	13740.13	1672.324	3936.379
#2	2383.577	59037.81	13739.33	1660.512	3931.033
#3	2370.346	59138.98	13732.32	1667.988	3926.697

Sample Name: P5138-02MSD Acquired: 12/6/2024 18:01:16 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.8435221	2.054176	1.035906	1.060813	.8078777	5.799297
Stddev	.0039928	.011818	.003013	.003189	.0040020	.019827
%RSD	.4733497	.5753302	.2908312	.3005767	.4953727	.3418947

#1	.8480829	2.059902	1.032461	1.057192	.8055182	5.822167
#2	.8418263	2.062041	1.037211	1.062050	.8124985	5.786933
#3	.8406571	2.040586	1.038046	1.063199	.8056165	5.788792

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2783937	.2121232	.2007759	86.01438	.4156527	.2069019
Stddev	.0008565	.0005042	.0000731	.28720	.0009594	.0001967
%RSD	.3076672	.2376796	.0364034	.3338931	.2308230	.0950907

#1	.2774103	.2115607	.2008070	85.82655	.4148299	.2070192
#2	.2787940	.2125346	.2006924	85.87161	.4167065	.2066747
#3	.2789768	.2122741	.2008283	86.34498	.4154216	.2070116

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3538155	13.89279	.5852747	10.34337	.5180253	.0778117
Stddev	.0015935	.04608	.0022094	.01072	.0004097	.0002572
%RSD	.4503884	.3316527	.3775033	.1036271	.0790889	.3305348

#1	.3524377	13.86192	.5838334	10.33299	.5178583	.0776407
#2	.3555607	13.87069	.5841722	10.34272	.5177254	.0781075
#3	.3534481	13.94575	.5878184	10.35440	.5184921	.0776870

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.30798	.3200328	.6909890	18.19493	.3404622	.4250605
Stddev	.05691	.0019917	.0065795	.00961	.0013983	.0008992
%RSD	.2010368	.6223378	.9521923	.0528257	.4107156	.2115528

#1	28.32124	.3190343	.6854164	18.20070	.3388697	.4242032
#2	28.24561	.3187379	.6893031	18.18384	.3414892	.4259965
#3	28.35709	.3223263	.6982474	18.20026	.3410277	.4249817

Sample Name: P5138-02MSD Acquired: 12/6/2024 18:01:16 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.6719700	.3810315	F 11.91094	8.113739	6.454377	.2127225
Stddev	.0020687	.0041116	.06118	.025259	.001486	.0003795
%RSD	.3078640	1.079062	.5136413	.3113155	.0230230	.1784067
#1	.6721838	.3857638	11.95876	8.127696	6.452910	.2123368
#2	.6698027	.3783353	11.84200	8.128940	6.455881	.2130955
#3	.6739236	.3789953	11.93208	8.084581	6.454339	.2127352

Elem	Sr4077
Units	ppm
Avg	.4712611
Stddev	.0012234
%RSD	.2595971
#1	.4701277
#2	.4710976
#3	.4725580

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2366.356	58183.05	13584.97	1639.490	3894.523
Stddev	10.479	71.54	31.04	13.074	12.298
%RSD	.4428465	.1229609	.2285160	.7974417	.3157718
#1	2377.959	58260.41	13618.39	1647.319	3904.001
#2	2357.580	58169.49	13579.50	1646.753	3898.942
#3	2363.530	58119.26	13557.03	1624.397	3880.627

Sample Name: P5138-02A Acquired: 12/6/2024 18:05:15 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.8371096	2.032445	1.025590	1.058592	.7993870	5.925502
Stddev	.0047918	.029919	.003013	.003253	.0025950	.024839
%RSD	.5724213	1.472077	.2938073	.3073396	.3246197	.4191947

#1	.8401766	2.004781	1.029040	1.059157	.8007218	5.947143
#2	.8315878	2.028356	1.024254	1.055093	.7963963	5.930983
#3	.8395643	2.064198	1.023475	1.061526	.8010429	5.898380

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2744774	.2103020	.1994754	85.70383	.4127822	.2046911
Stddev	.0009403	.0008916	.0003618	.09161	.0007989	.0008063
%RSD	.3425738	.4239714	.1813671	.1068866	.1935342	.3939198

#1	.2741740	.2092758	.1995814	85.76000	.4120723	.2045840
#2	.2755319	.2107434	.1990725	85.75337	.4126269	.2039438
#3	.2737263	.2108869	.1997723	85.59812	.4136473	.2055457

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3520330	13.84304	.5808629	10.33875	.5128719	.0775045
Stddev	.0015365	.04803	.0016865	.01911	.0005120	.0004218
%RSD	.4364538	.3469916	.2903516	.1848525	.0998345	.5441933

#1	.3525804	13.89279	.5819427	10.35595	.5133196	.0776039
#2	.3502977	13.83938	.5789194	10.31817	.5123136	.0770419
#3	.3532207	13.79693	.5817265	10.34213	.5129825	.0778677

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.76916	.3171963	.6888184	17.99267	.3371864	.4238859
Stddev	.05196	.0005718	.0024797	.03343	.0014193	.0010069
%RSD	.1871183	.1802626	.3599978	.1858107	.4209233	.2375342

#1	27.81546	.3176077	.6861475	18.01990	.3364944	.4240910
#2	27.77907	.3174379	.6892599	18.00276	.3362458	.4227923
#3	27.71296	.3165434	.6910476	17.95535	.3388190	.4247745

Sample Name: P5138-02A Acquired: 12/6/2024 18:05:15 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.6683732	.3916243	F 12.27442	8.065768	6.416547	.2099731
Stddev	.0015334	.0081393	.14253	.038112	.028611	.0010078
%RSD	.2294232	2.078347	1.161189	.4725145	.4458903	.4799615
#1	.6676308	.4009407	12.43876	8.032546	6.388127	.2088290
#2	.6673523	.3858927	12.18458	8.057385	6.416170	.2107294
#3	.6701365	.3880396	12.19992	8.107374	6.445345	.2103609

Elem	Sr4077
Units	ppm
Avg	.4669337
Stddev	.0010926
%RSD	.2339950
#1	.4658021
#2	.4679826
#3	.4670165

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2377.802	58609.54	13653.48	1639.050	3925.632
Stddev	8.870	23.86	38.59	5.065	6.498
%RSD	.3730249	.0407108	.2826548	.3090252	.1655191
#1	2373.079	58597.00	13697.69	1644.096	3919.401
#2	2388.034	58637.06	13636.26	1639.088	3932.367
#3	2372.293	58594.57	13626.50	1633.966	3925.126

Sample Name: P5139-01 Acquired: 12/6/2024 18:09:13 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0070342	.0017278	.0470808	-.007179	.0015302	3.014583	.0696967
Stddev	.0017622	.0018478	.0004577	.000802	.0006860	.034167	.0003303
%RSD	25.05132	106.9467	.9721807	11.17283	44.82971	1.133383	.4739857

#1	.0055172	.0023169	.0470785	-.006712	.0007645	3.050129	.0697283
#2	.0066184	.0032093	.0466242	-.008105	.0017376	3.011634	.0700101
#3	.0089672	-.000343	.0475396	-.006719	.0020886	2.981987	.0693517

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004162	.0005910	79.67939	.0104747	.0032918	.0304100	10.17726
Stddev	.0000316	.0000232	.08896	.0000203	.0001206	.0000644	.02490
%RSD	7.601447	3.932465	.1116499	.1941727	3.662497	.2116666	.2447024

#1	.0003796	.0005724	79.77167	.0104617	.0032784	.0304782	10.15524
#2	.0004341	.0006171	79.67233	.0104981	.0034185	.0303502	10.17225
#3	.0004347	.0005836	79.59417	.0104643	.0031786	.0304017	10.20429

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3591204	7.831226	.0097883	.0007131	23.05721	.0085655	.4579050
Stddev	.0014127	.019953	.0001466	.0003489	.10049	.0007283	.0018239
%RSD	.3933896	.2547873	1.497150	48.93228	.4358192	8.502587	.3983116

#1	.3575840	7.852348	.0098592	.0003336	22.94837	.0080438	.4558117
#2	.3594140	7.828636	.0098860	.0010201	23.07678	.0093975	.4587515
#3	.3603633	7.812695	.0096198	.0007855	23.14647	.0082552	.4591518

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.035808	.0465456	.0021107	-.001427	.1567976	9.014876	1.874137
Stddev	.022841	.0002390	.0001493	.000770	.0043171	.089677	.002518
%RSD	.3246364	.5134087	7.074201	53.96158	2.753311	.9947651	.1343398

#1	7.029697	.0468152	.0019742	-.001194	.1606721	9.109235	1.872835
#2	7.016645	.0464621	.0022701	-.000801	.1521439	9.004634	1.872536
#3	7.061083	.0463597	.0020877	-.002288	.1575766	8.930761	1.877039

Sample Name: P5139-01 Acquired: 12/6/2024 18:09:13 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	3.944275	-.004058	.2353666
Stddev	.004772	.000373	.0003170
%RSD	.1209759	9.187505	.1346914
#1	3.946267	-.004475	.2350121
#2	3.947728	-.003756	.2354649
#3	3.938830	-.003943	.2356229

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2513.185	60566.21	14105.76	1770.134	4131.507
Stddev	5.347	156.42	5.74	11.652	4.528
%RSD	.2127432	.2582673	.0406774	.6582276	.1095939
#1	2518.039	60681.64	14107.60	1782.675	4136.166
#2	2507.454	60628.81	14110.35	1768.082	4131.230
#3	2514.063	60388.18	14099.32	1759.644	4127.123

Sample Name: P5139-02 Acquired: 12/6/2024 18:13:25 Type: Unk
Method: NON EPA-6010-200.7(v2499) 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	.0065607	.0008483	.0486087	-.003829	.0026522	3.133721	.0747570
Stddev	.0030899	.0015937	.0004998	.001176	.0005224	.016461	.0002782
%RSD	47.09733	187.8739	1.028153	30.69853	19.69604	.5252824	.3720937

#1	.0038849	.0024890	.0487640	-.002666	.0031001	3.119580	.0744522
#2	.0058547	.0007496	.0490125	-.003806	.0027781	3.151791	.0748214
#3	.0099425	-.000694	.0480498	-.005016	.0020783	3.129794	.0749972

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003975	.0006214	83.92574	.0110994	.0033553	.0319471	10.63611
Stddev	.0000317	.0000189	.18169	.0002521	.0002045	.0004288	.04071
%RSD	7.966662	3.043471	.2164881	2.271288	6.095654	1.342197	.3827315

#1	.0004336	.0006419	83.87776	.0113682	.0033393	.0321017	10.63218
#2	.0003848	.0006178	84.12660	.0110618	.0035674	.0314625	10.59751
#3	.0003742	.0006046	83.77285	.0108683	.0031593	.0322772	10.67864

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3833058	8.204962	.0098804	.0004733	24.35283	.0093629	.4746606
Stddev	.0012011	.012353	.0000579	.0001312	.09428	.0007635	.0024025
%RSD	.3133476	.1505538	.5856478	27.72142	.3871270	8.154257	.5061568

#1	.3846094	8.200140	.0098539	.0004101	24.31646	.0085262	.4753249
#2	.3830640	8.218998	.0099468	.0003857	24.28215	.0100218	.4719959
#3	.3822440	8.195747	.0098406	.0006242	24.45987	.0095405	.4766611

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.409884	.0484357	.0026737	-.002386	.1559503	9.462053	1.973876
Stddev	.005541	.0004011	.0000713	.000557	.0081147	.015583	.003074
%RSD	.0747808	.8281209	2.667047	23.35896	5.203414	.1646841	.1557219

#1	7.405403	.0482129	.0025974	-.001857	.1495365	9.474190	1.976526
#2	7.408169	.0481955	.0026849	-.002968	.1650730	9.467489	1.970506
#3	7.416080	.0488988	.0027387	-.002332	.1532414	9.444481	1.974597

Sample Name: P5139-02 Acquired: 12/6/2024 18:13:25 Type: Unk
Method: NON EPA-6010-200.7(v2499) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.320731	-.003967	.2475951
Stddev	.007601	.000243	.0009854
%RSD	.1759241	6.118543	.3979711
#1	4.319216	-.003744	.2464803
#2	4.314002	-.003933	.2479551
#3	4.328976	-.004225	.2483498

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2495.740	60538.02	14035.17	1763.534	4088.680
Stddev	14.785	115.32	26.99	10.084	21.353
%RSD	.5924172	.1904958	.1923352	.5718047	.5222499
#1	2511.669	60491.03	14065.10	1762.665	4109.690
#2	2493.095	60669.42	14012.66	1774.024	4089.351
#3	2482.456	60453.62	14027.76	1753.912	4067.000

Sample Name: CCV07 Acquired: 12/6/2024 18:21:23 Type: Unk
Method: NON EPA-6010-200.7(v2505) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.814468	4.869133	4.928786	4.857109	4.708813	9.727758	9.301593
Stddev	.006901	.031494	.010026	.011567	.009647	.044866	.039091
%RSD	.1433492	.6468103	.2034223	.2381481	.2048713	.4612145	.4202650

#1	4.822336	4.879355	4.917978	4.870213	4.719948	9.675985	9.275640
#2	4.811630	4.894245	4.930597	4.852796	4.703524	9.755254	9.346554
#3	4.809438	4.833797	4.937783	4.848318	4.702967	9.752036	9.282586

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2513872	2.491675	24.42824	1.006162	2.466690	1.232693	4.761653
Stddev	.0003440	.004802	.15226	.001605	.004476	.002128	.022155
%RSD	.1368429	.1927048	.6232908	.1595357	.1814470	.1726366	.4652714

#1	.2509945	2.486360	24.30747	1.004783	2.462186	1.233934	4.751645
#2	.2515313	2.492967	24.37797	1.005778	2.466747	1.233910	4.746268
#3	.2516357	2.495699	24.59927	1.007924	2.471137	1.230236	4.787046

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.395449	24.51502	2.469459	1.220495	25.96325	2.455130	2.444796
Stddev	.011846	.17624	.004037	.000852	.14163	.012149	.005241
%RSD	.4945283	.7189086	.1634595	.0697776	.5454942	.4948588	.2143682

#1	2.385819	24.37824	2.465470	1.221280	26.02459	2.441255	2.440423
#2	2.391850	24.45293	2.469364	1.220617	26.06386	2.460268	2.443361
#3	2.408677	24.71391	2.473542	1.219589	25.80129	2.463866	2.450606

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.80809	4.908463	4.953673	4.929295	4.758315	5.057334	4.956383
Stddev	.11074	.014115	.003394	.008302	.018058	.024761	.010406
%RSD	.4855171	.2875711	.0685185	.1684223	.3795023	.4896014	.2099478

#1	22.76935	4.898066	4.956987	4.919838	4.741280	5.030076	4.953605
#2	22.93299	4.902792	4.950204	4.932665	4.756418	5.063489	4.967897
#3	22.72193	4.924532	4.953826	4.935382	4.777246	5.078436	4.947649

Sample Name: CCV07 Acquired: 12/6/2024 18:21:23 Type: Unk
Method: NON EPA-6010-200.7(v2505) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.829987	4.563844	4.808080
Stddev	.017337	.024047	.052157
%RSD	.3589526	.5269068	1.084768
#1	4.819773	4.550784	4.748945
#2	4.850005	4.591595	4.827770
#3	4.820183	4.549152	4.847525

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2502.867	59017.19	13476.43	1724.623	3966.721
Stddev	3.365	12.67	23.32	4.613	3.943
%RSD	.1344601	.0214648	.1730473	.2674775	.0993906
#1	2499.804	59027.34	13491.72	1729.230	3967.762
#2	2506.469	59003.00	13487.98	1724.636	3970.039
#3	2502.328	59021.24	13449.58	1720.004	3962.363

Sample Name: CCB07 Acquired: 12/6/2024 18:27:49 Type: Unk
Method: NON EPA-6010-200.7(v2499) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000223	.0000722	-.000863	-.000524	.0009386	.0035495	-.002104
Stddev	.001676	.0010936	.000616	.000890	.0007066	.0041255	.000450
%RSD	750.3985	1514.965	71.35591	169.8054	75.27571	116.2289	21.39649

#1	-.002148	-.000670	-.001496	-.000645	.0016685	-.001196	-.001757
#2	.000915	.001328	-.000828	.000420	.0008895	.006280	-.002612
#3	.000564	-.000442	-.000266	-.001348	.0002579	.005565	-.001942

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000401	.0000944	-.002733	-.000144	.0000173	-.000128	-.001730
Stddev	.0000474	.0000750	.001847	.000150	.0000186	.000333	.002082
%RSD	118.0496	79.40003	67.58345	104.3079	107.8461	259.9621	120.3492

#1	.0000327	.0000079	-.004865	-.000022	.0000250	-.000362	.000666
#2	-.000003	.0001343	-.001638	-.000312	.0000308	-.000276	-.002752
#3	.000091	.0001410	-.001695	-.000099	-.000004	.000253	-.003105

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000106	.0058144	.0002606	.0007982	.0029714	.0002924	-.001077
Stddev	.000111	.0021879	.0002425	.0001725	.0153413	.0005993	.000142
%RSD	104.3828	37.62978	93.08510	21.61303	516.2960	204.9655	13.14384

#1	-.000215	.0061410	.0005185	.0008956	-.012853	.0006614	-.001157
#2	.000006	.0078206	.0002259	.0009000	.003988	.0006149	-.000914
#3	-.000108	.0034815	.0000372	.0005990	.017779	-.000399	-.001162

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.069426	.0018533	.0003441	-.000366	.0003751	.0026980	-.004966
Stddev	.018123	.0004846	.0003297	.000299	.0002411	.0059361	.000384
%RSD	26.10414	26.14689	95.81916	81.53875	64.26620	220.0194	7.738836

#1	-.085171	.0023698	.0002944	-.000711	.0002405	.0083709	-.004663
#2	-.073490	.0014087	.0000421	-.000186	.0002314	.0031933	-.004837
#3	-.049616	.0017816	.0006959	-.000202	.0006535	-.003470	-.005398

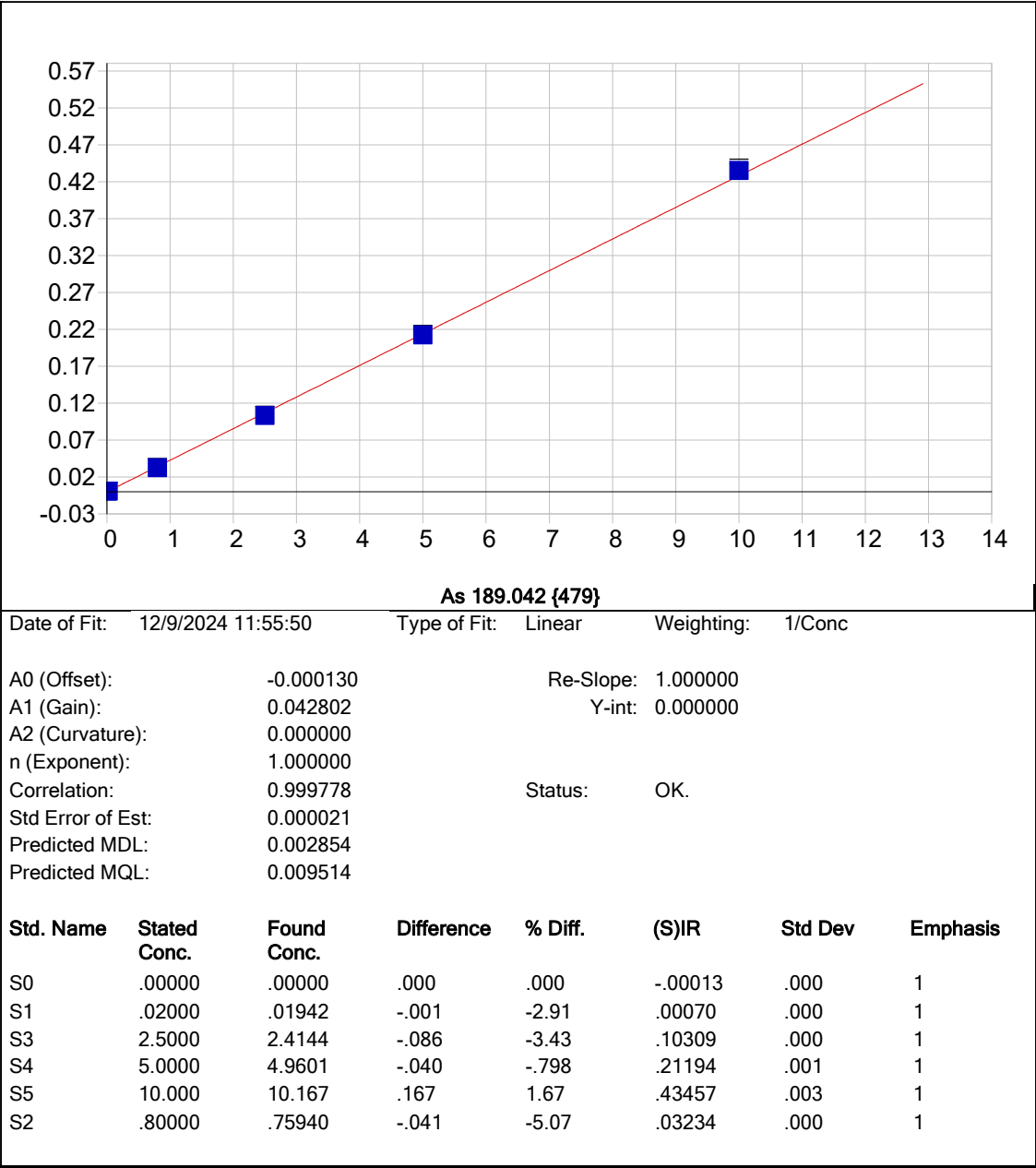
Sample Name: CCB07 Acquired: 12/6/2024 18:27:49 Type: Unk
Method: NON EPA-6010-200.7(v2499) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

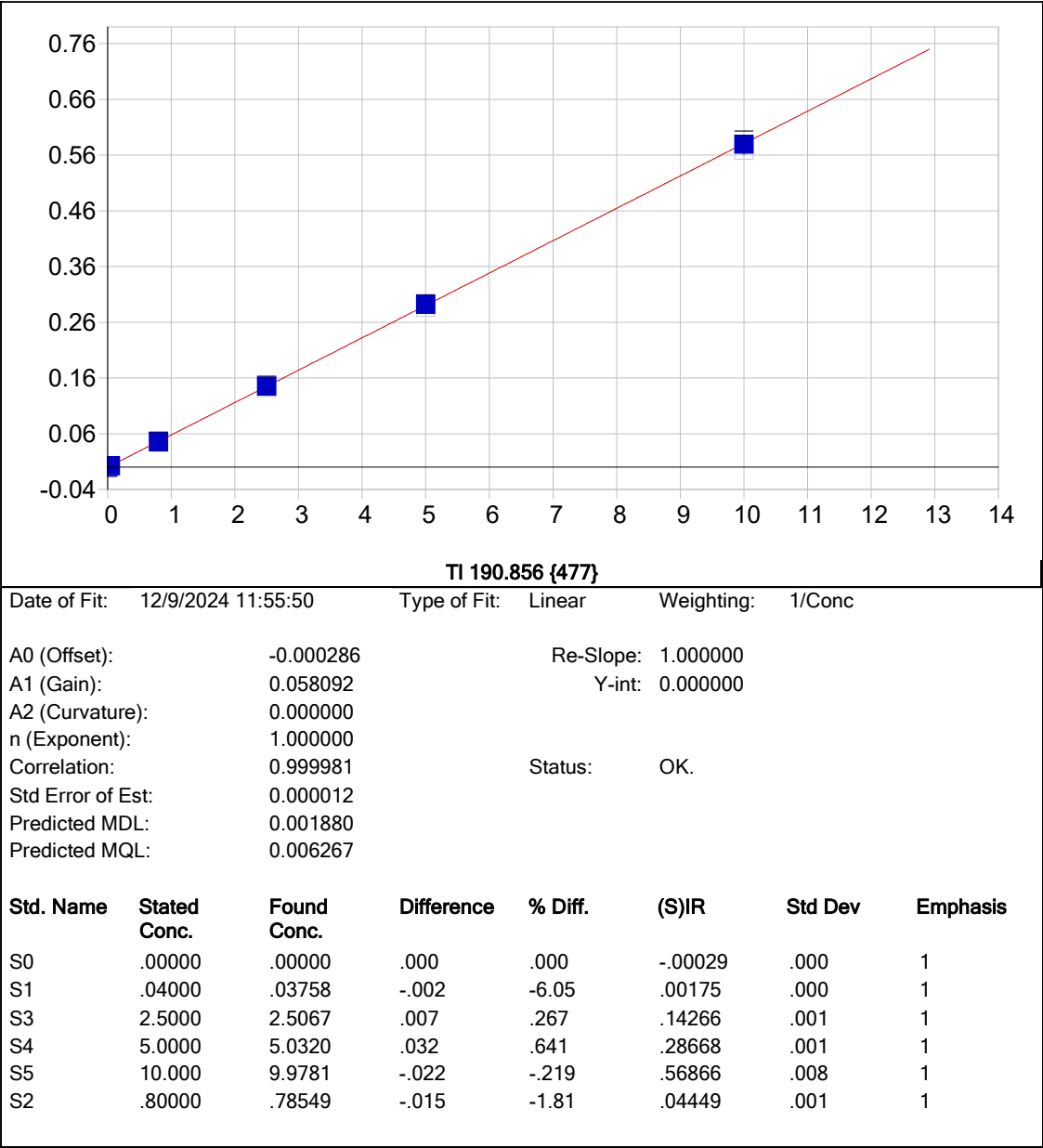
Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000945	-.000397	-.000015
Stddev	.001858	.000135	.000015
%RSD	196.7063	34.04996	100.3067

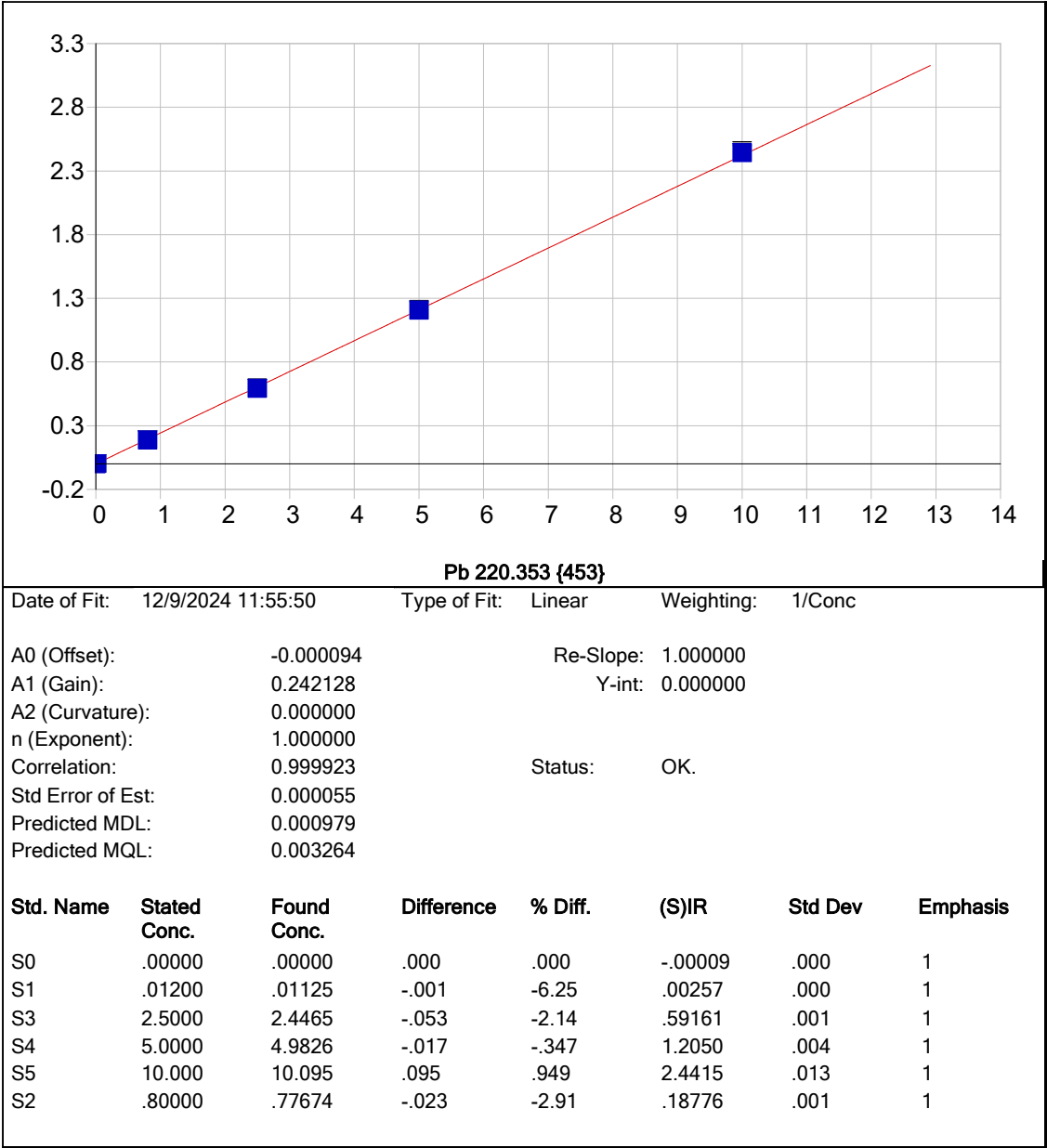
#1	-.001273	-.000547	-.000031
#2	-.002616	-.000286	-.000004
#3	.001056	-.000358	-.000009

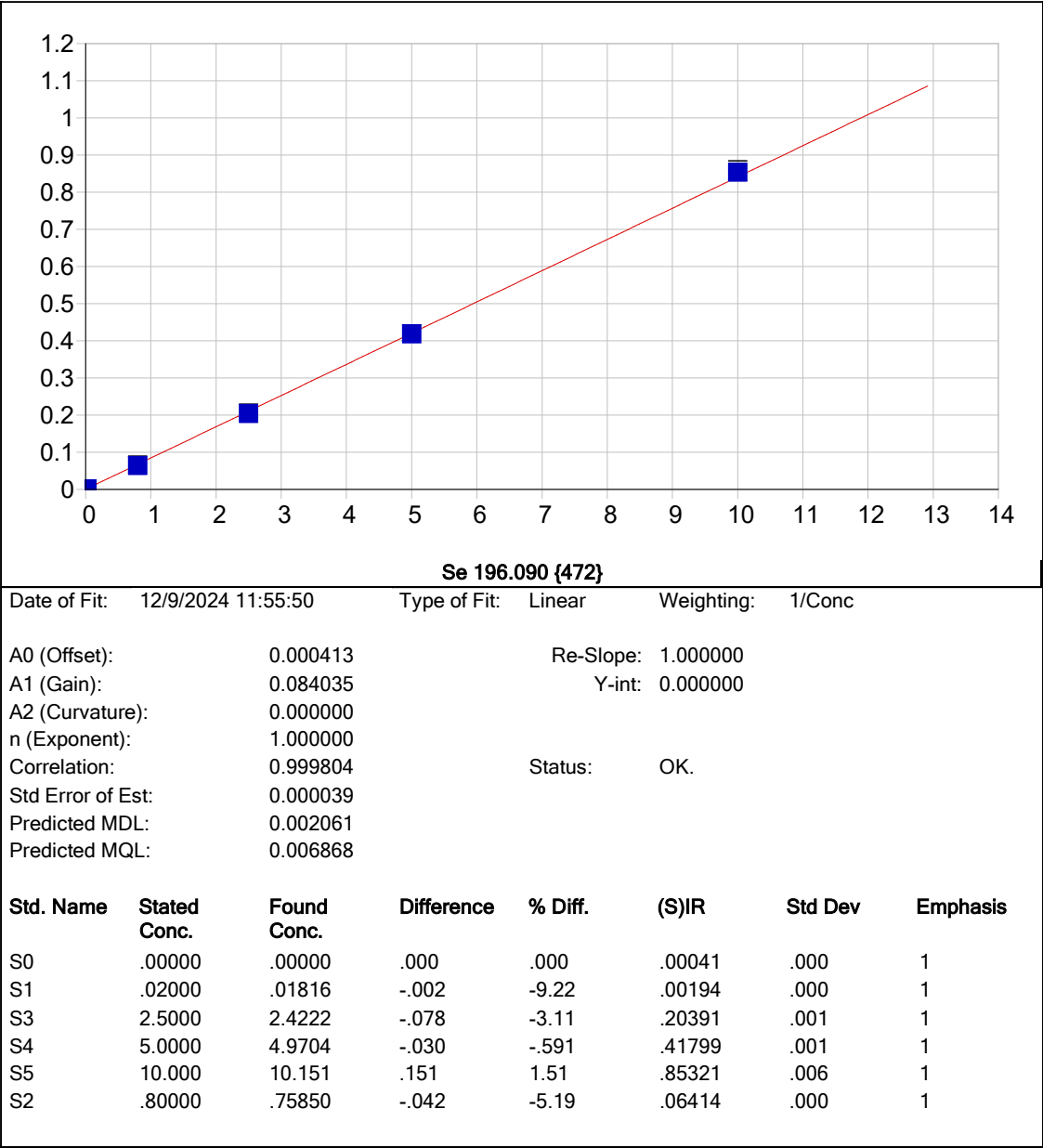
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2623.920	61907.66	13571.10	1810.339	4506.301
Stddev	2.360	89.41	13.75	9.900	6.365
%RSD	.0899381	.1444270	.1013110	.5468475	.1412473

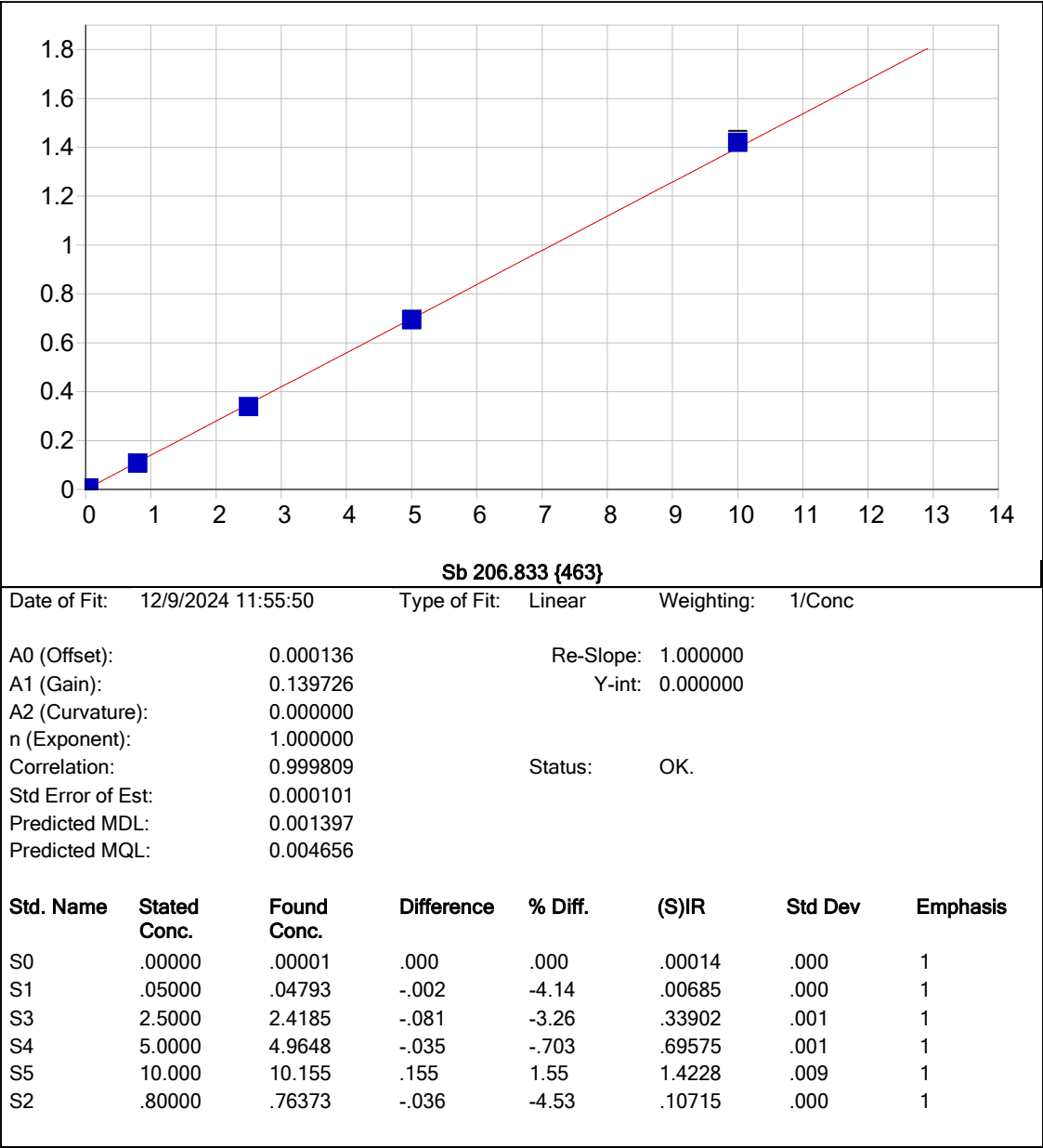
#1	2624.254	61849.59	13571.08	1819.804	4505.050
#2	2621.411	62010.62	13557.36	1811.158	4500.655
#3	2626.095	61862.76	13584.86	1800.055	4513.199

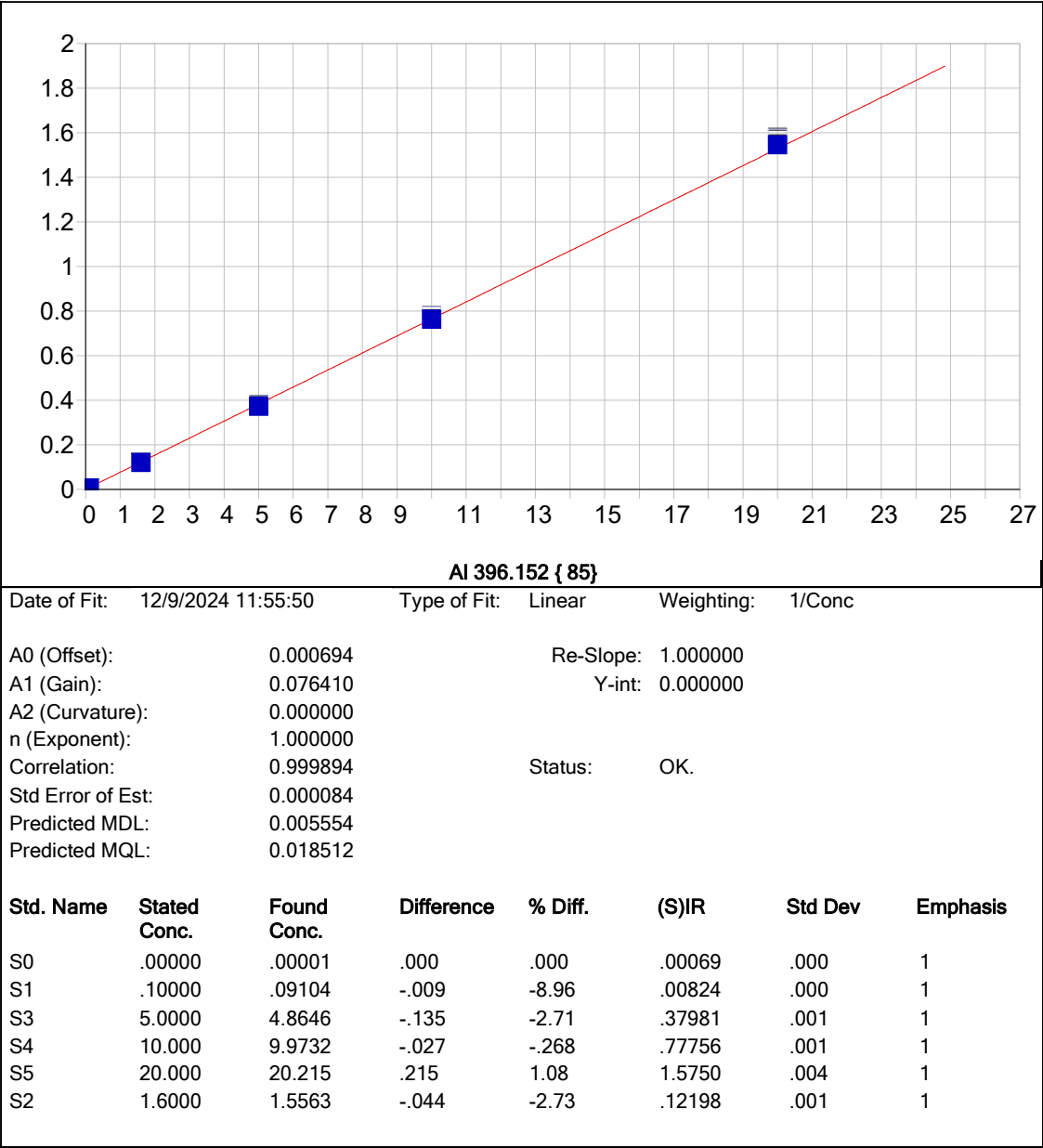


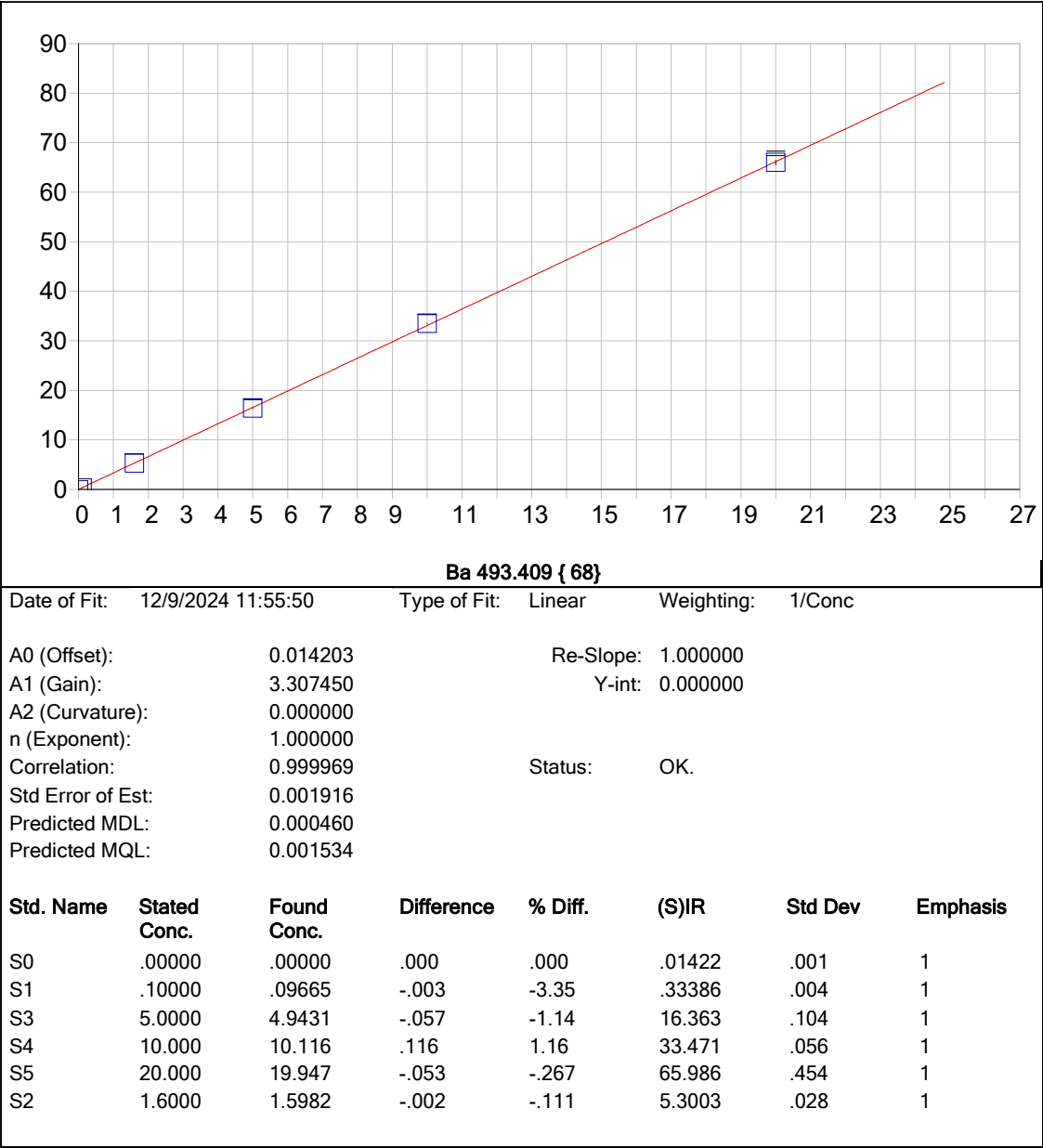


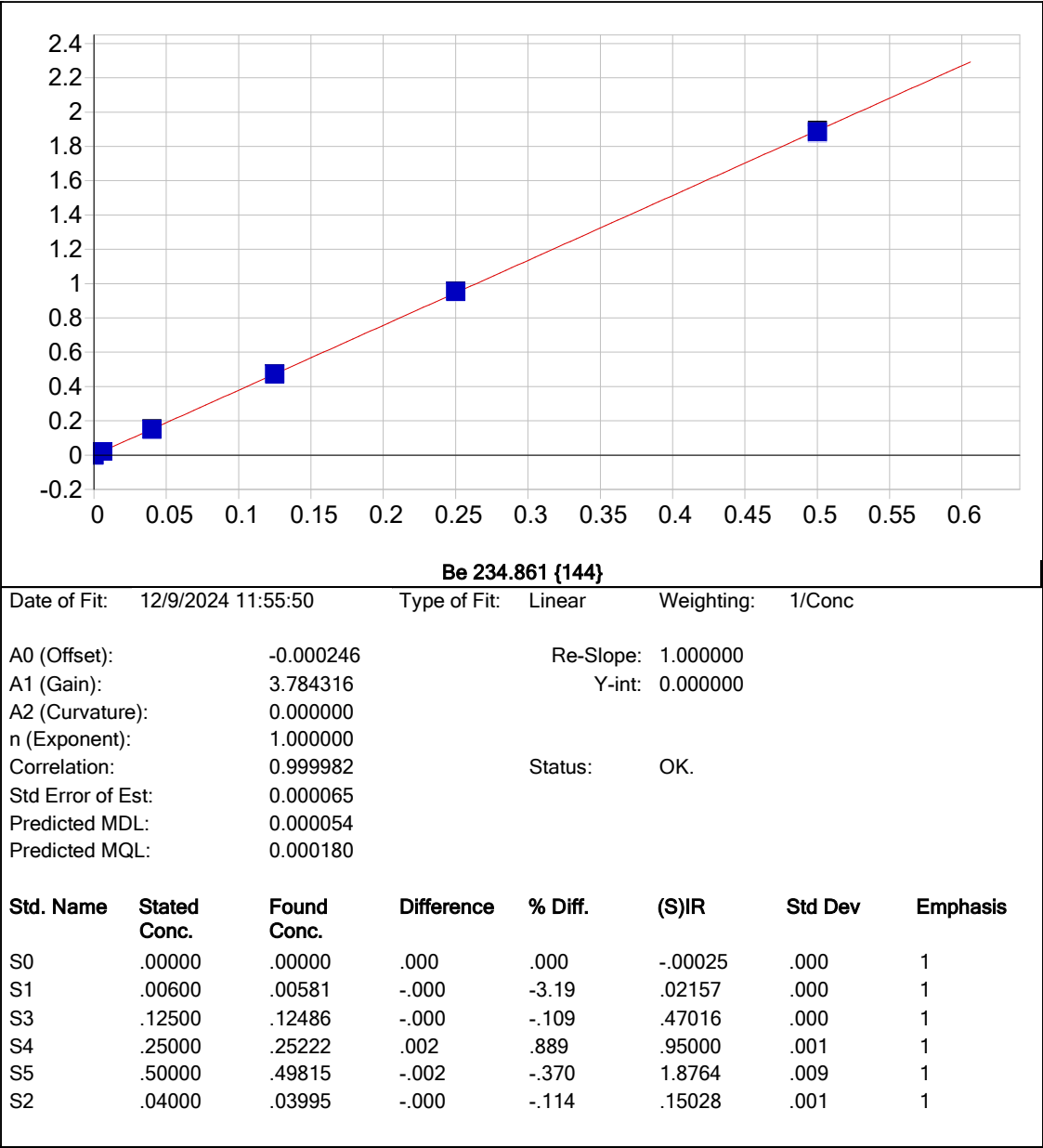


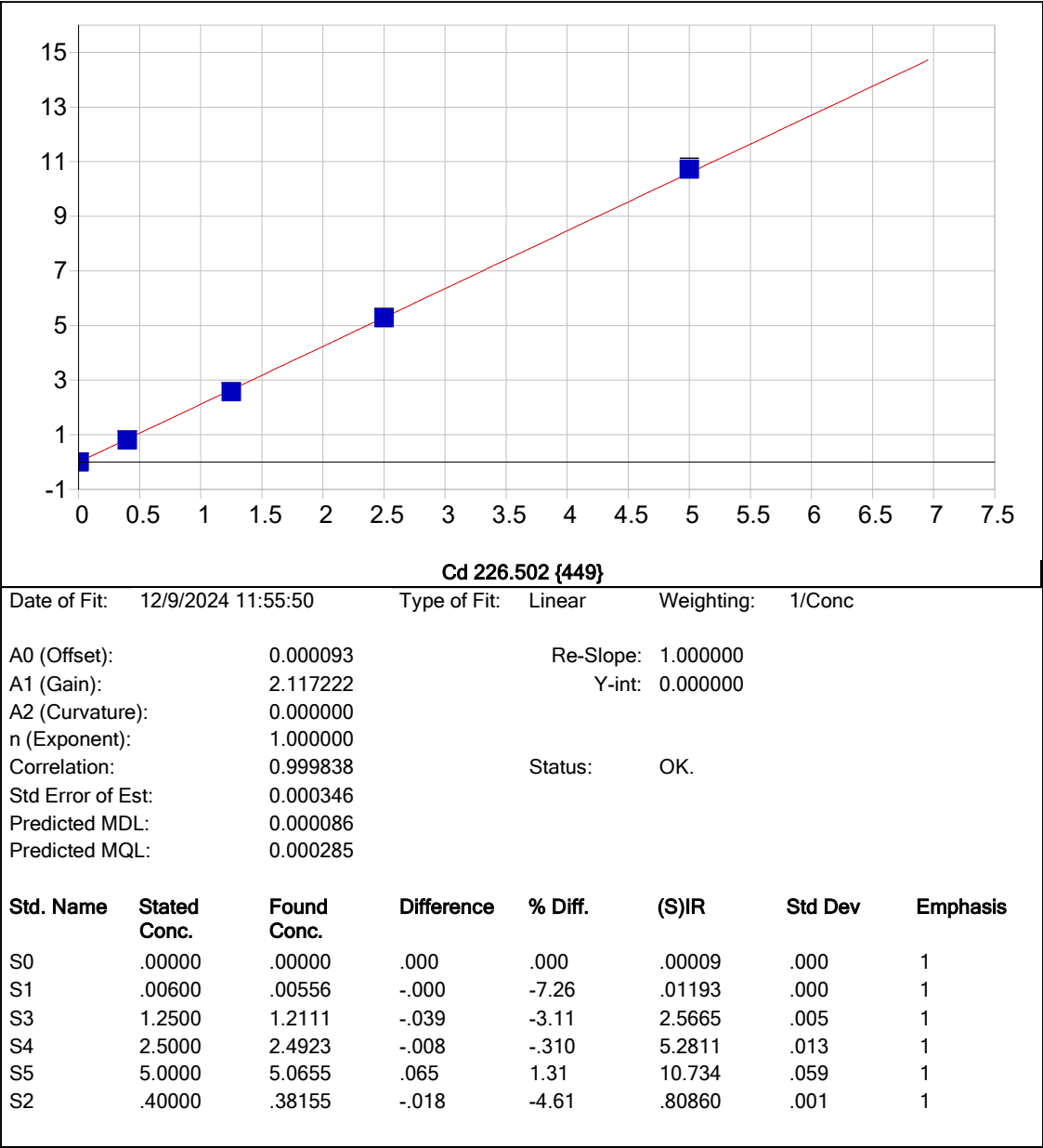


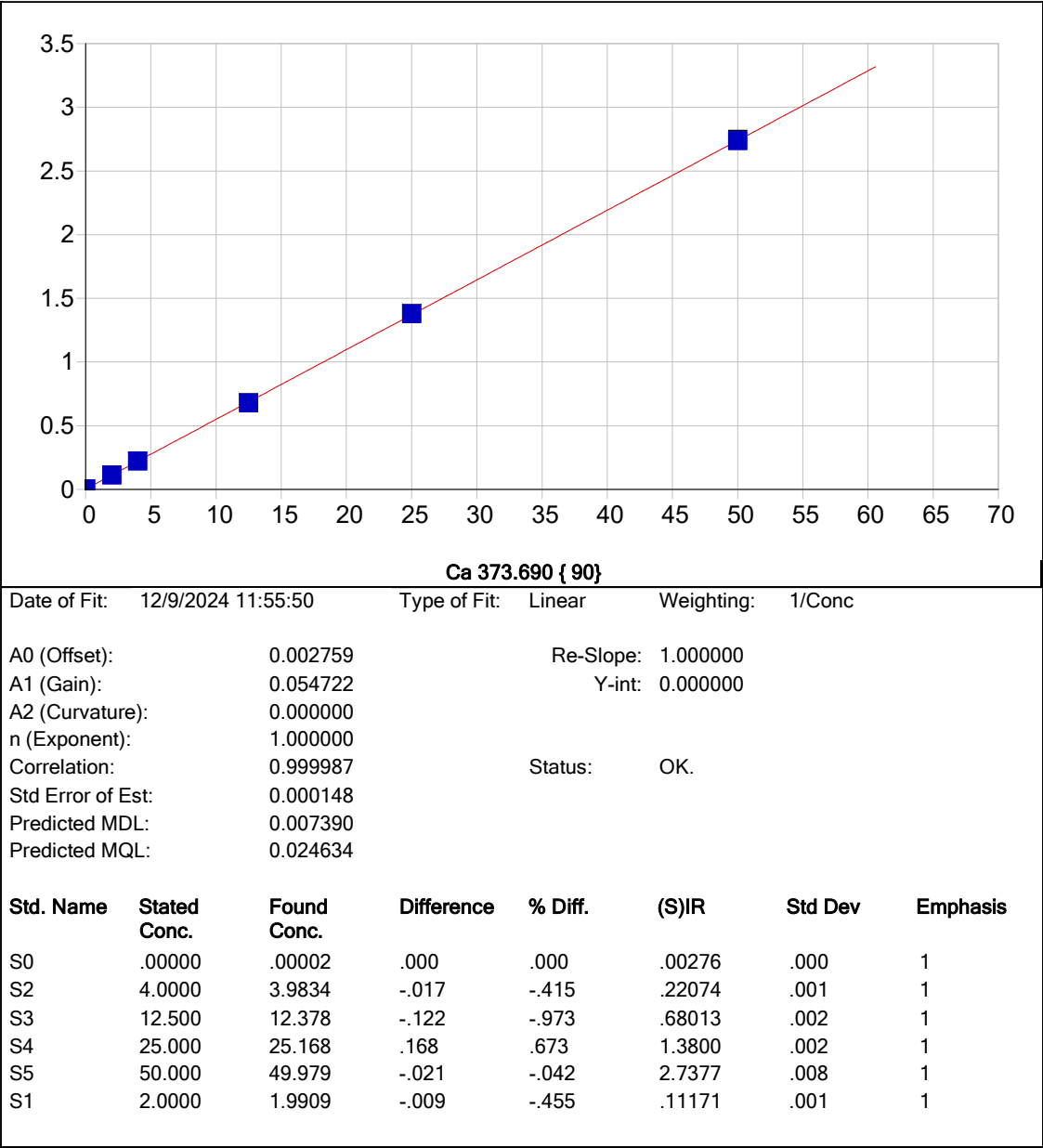


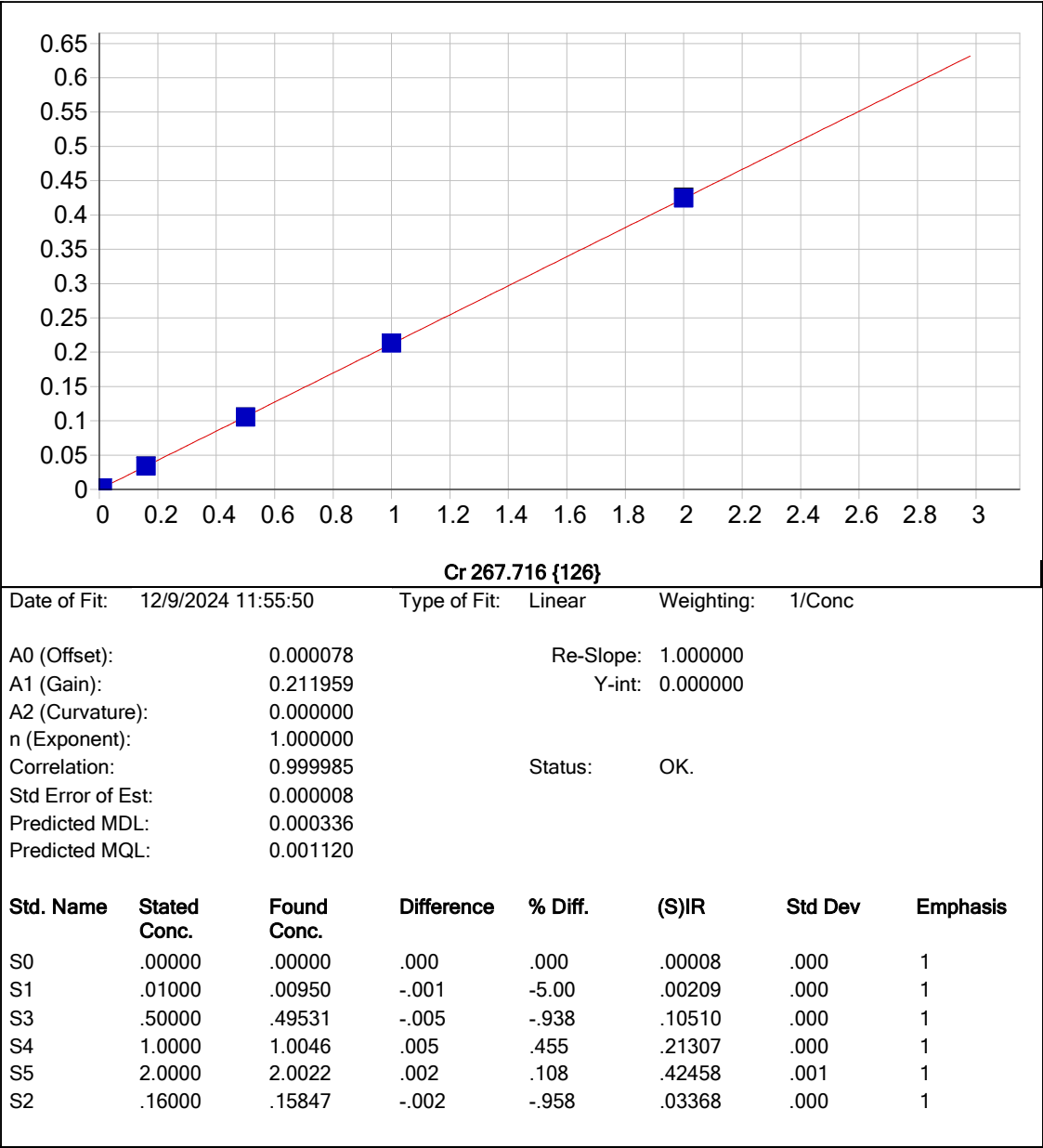


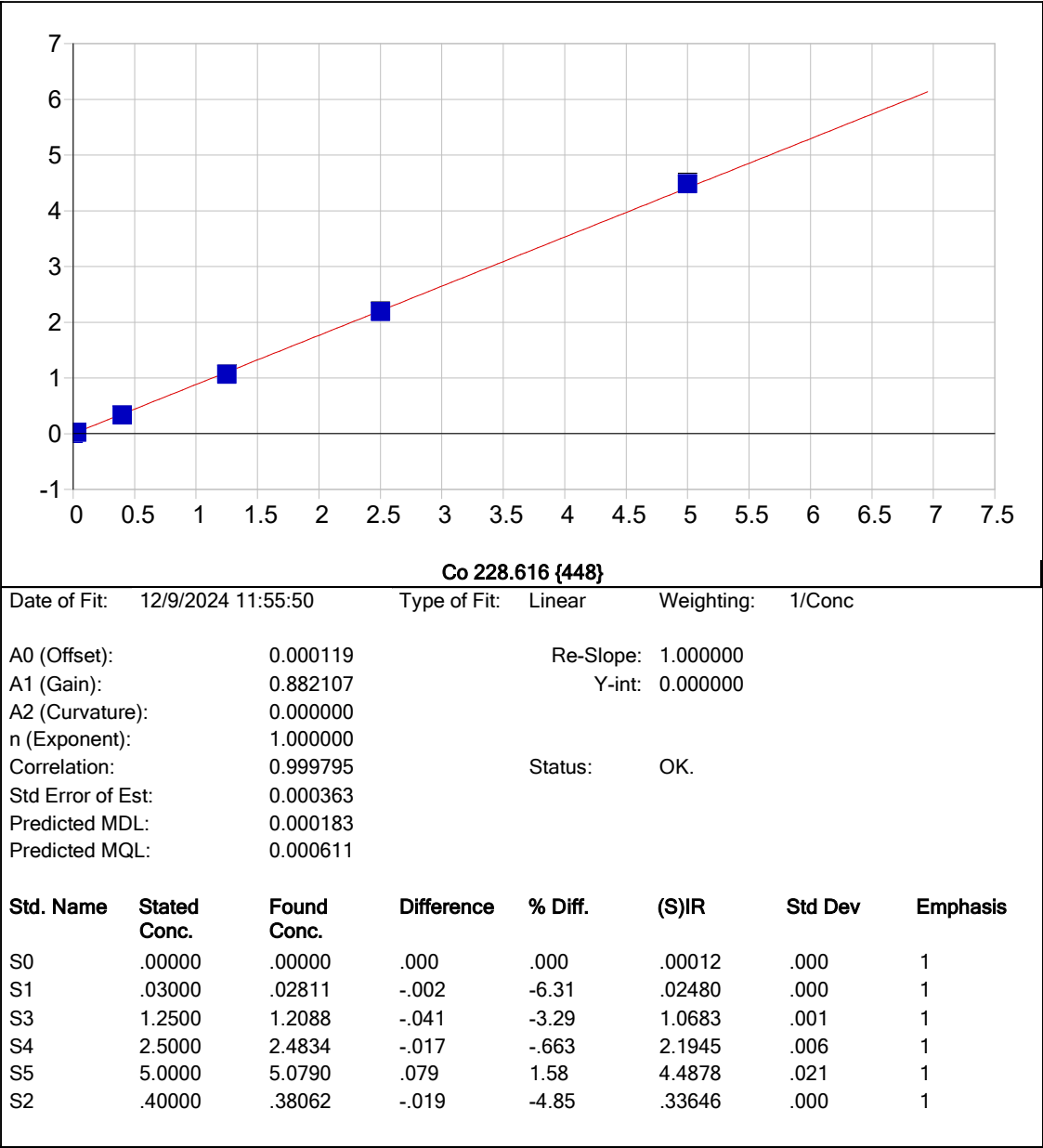


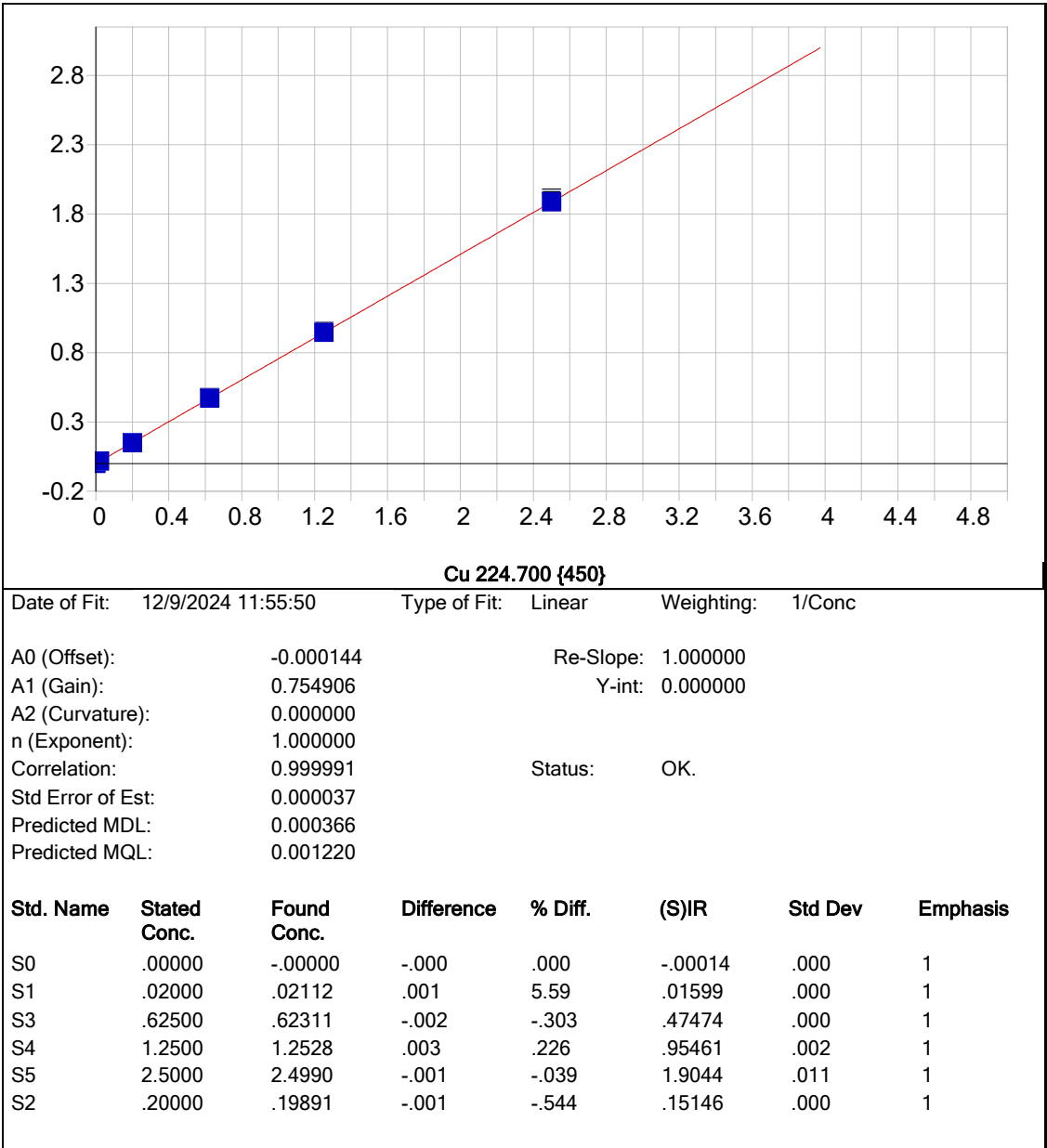


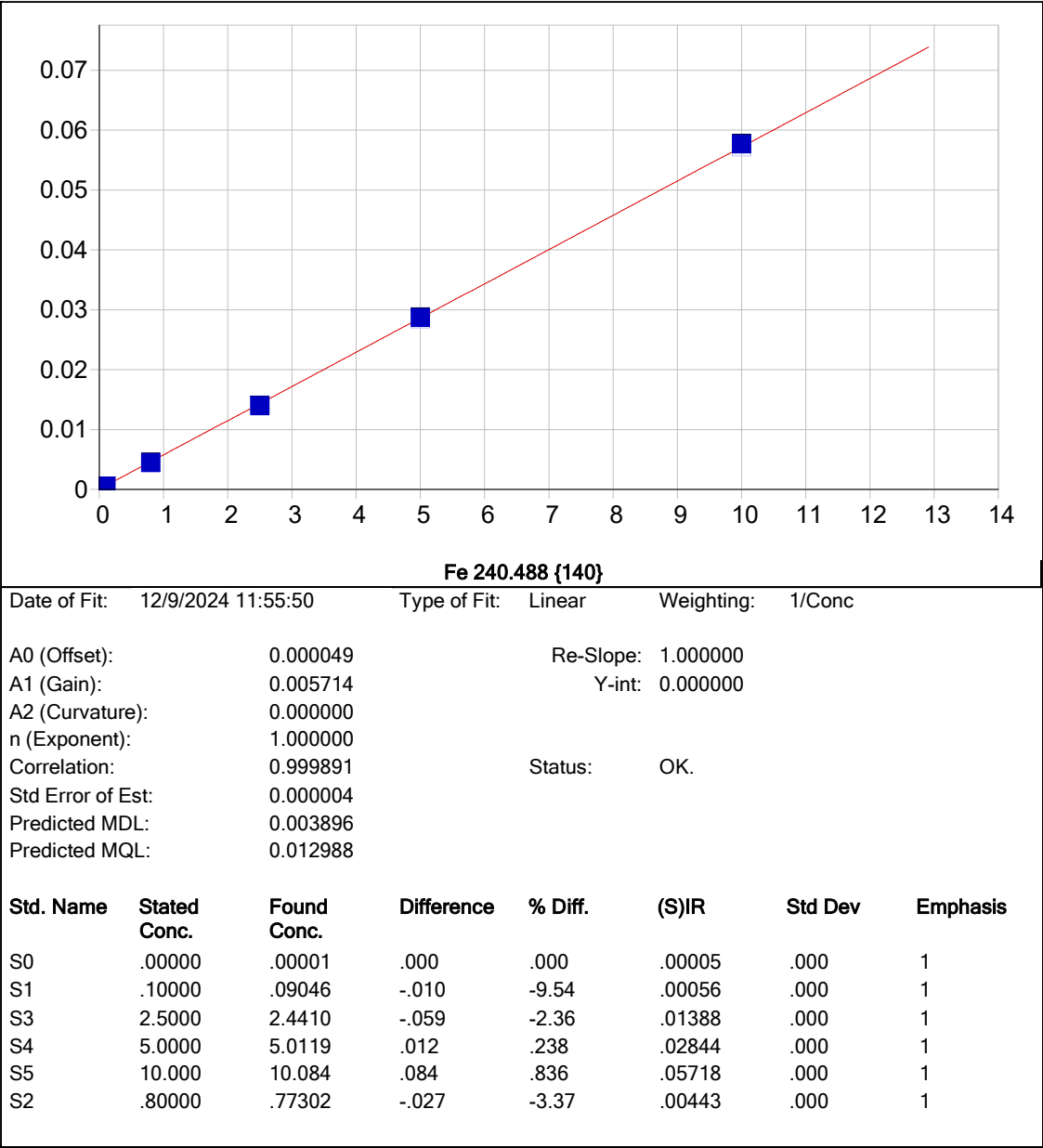


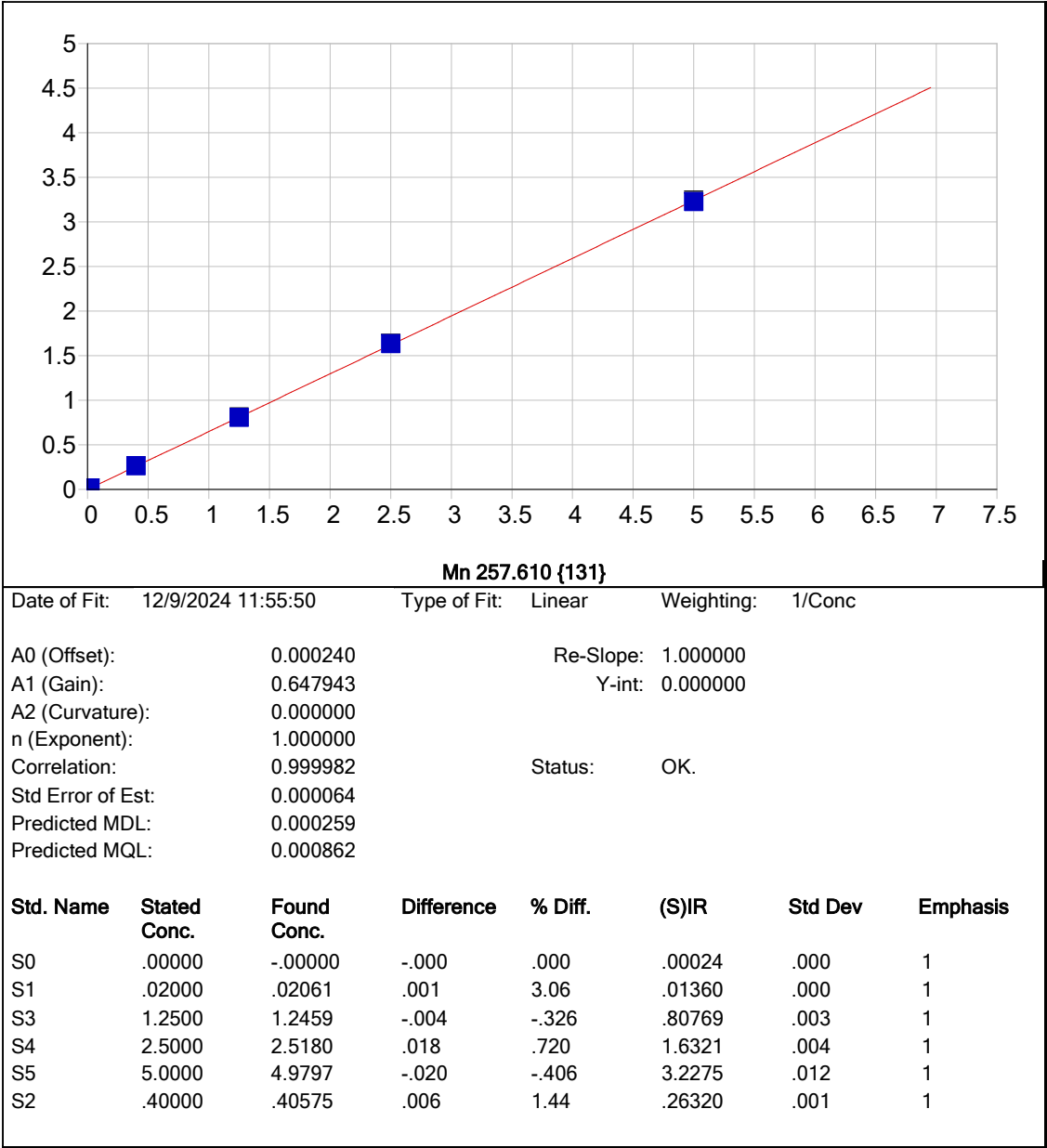


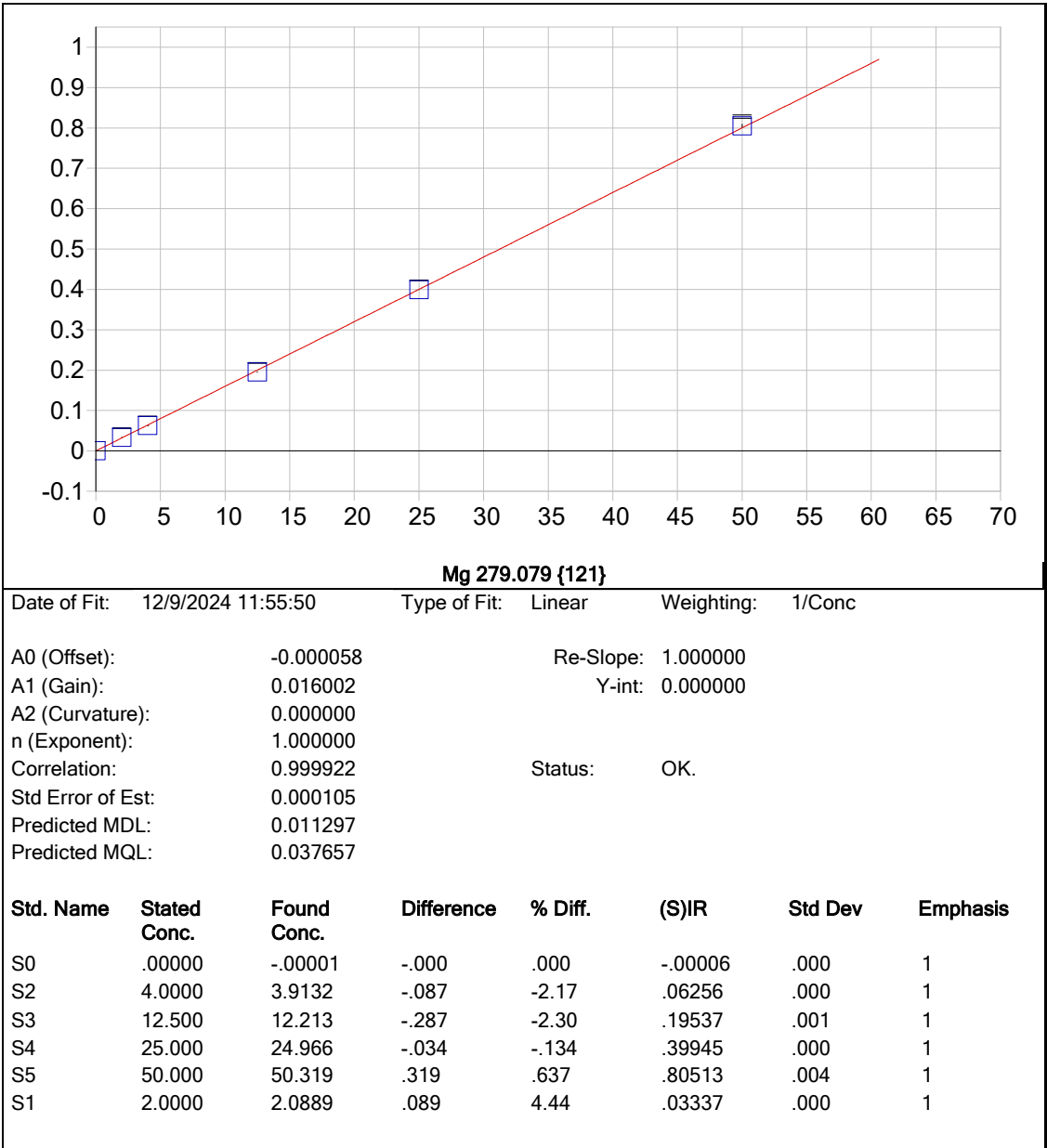


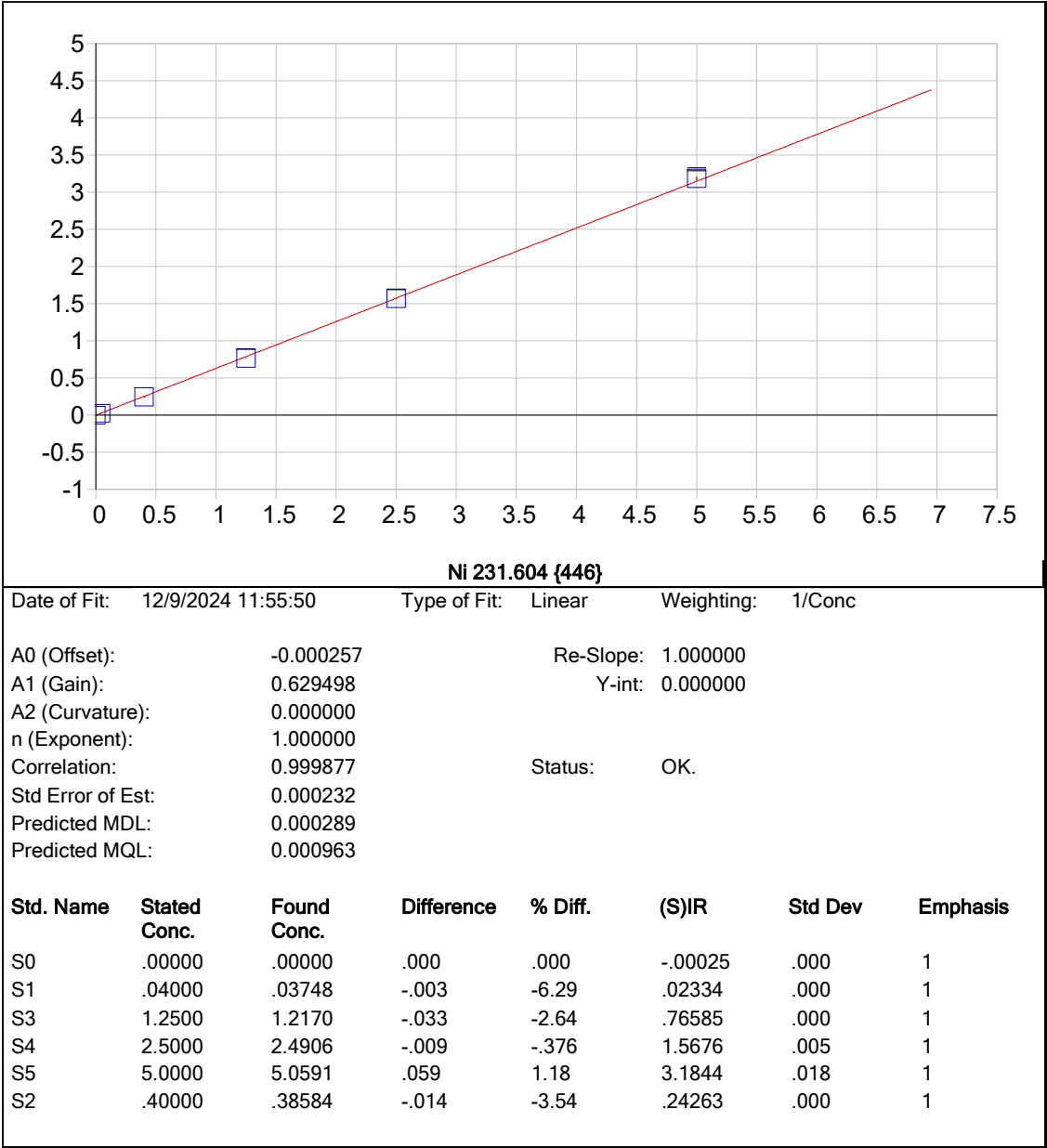


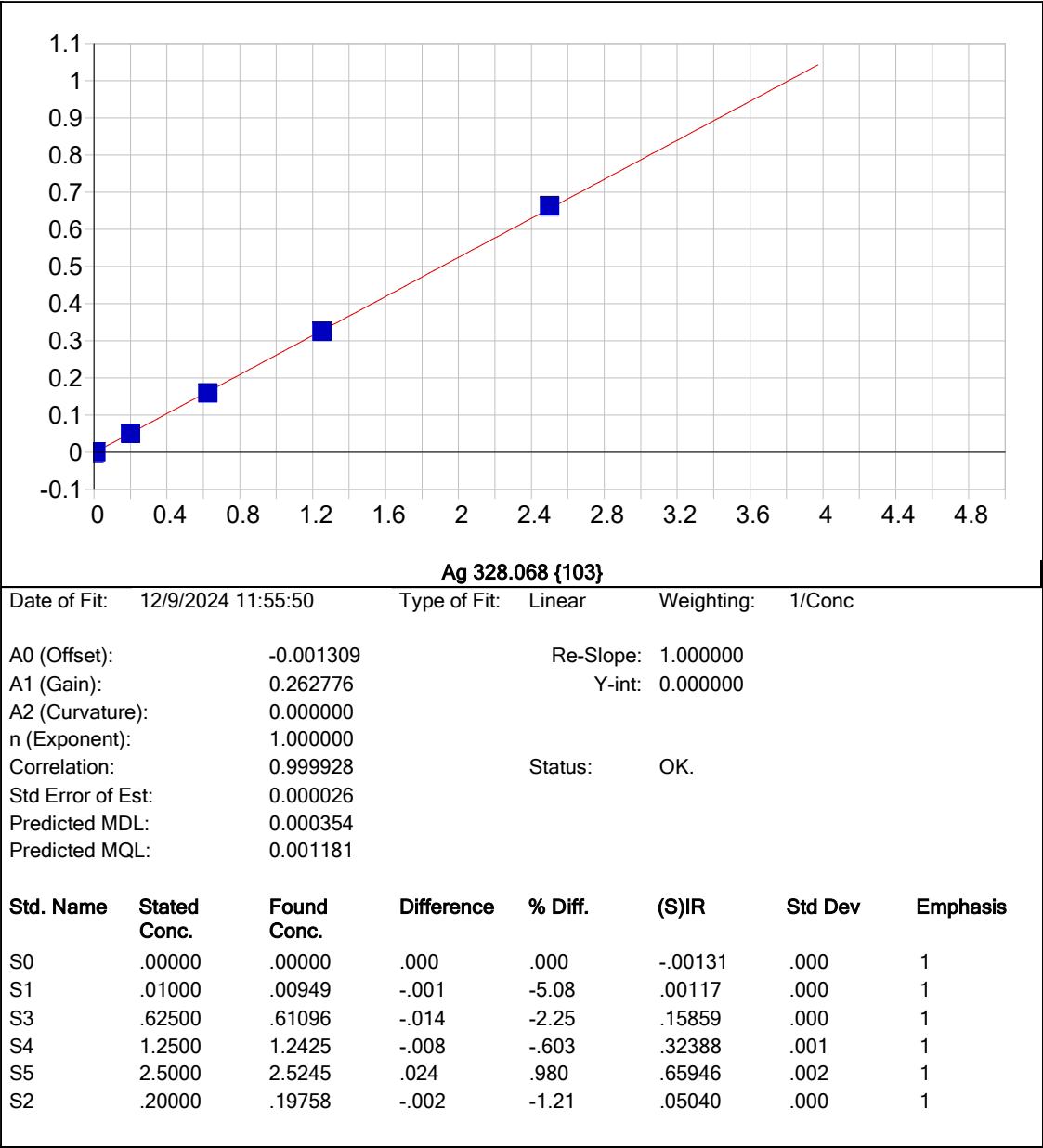


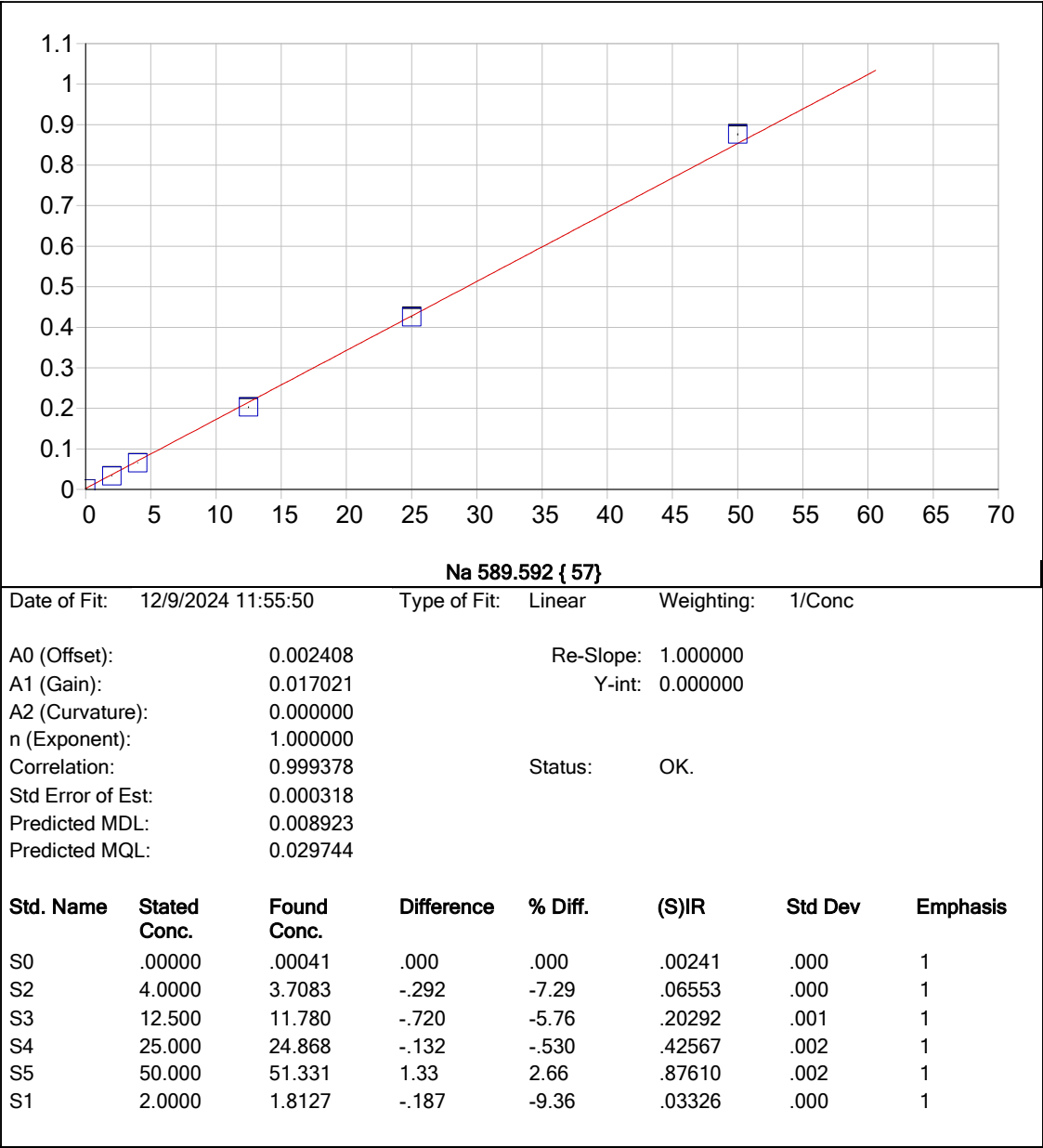


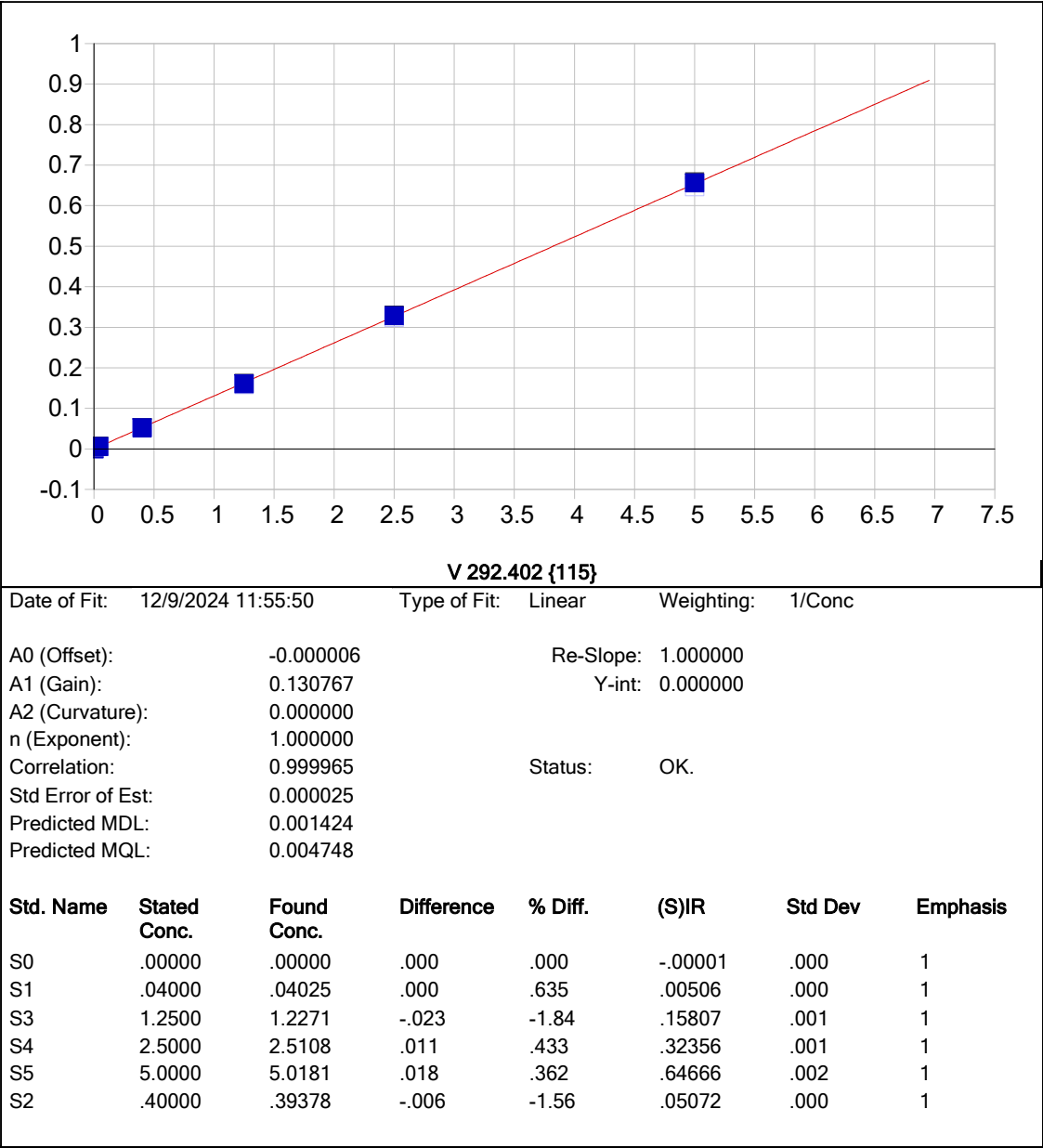


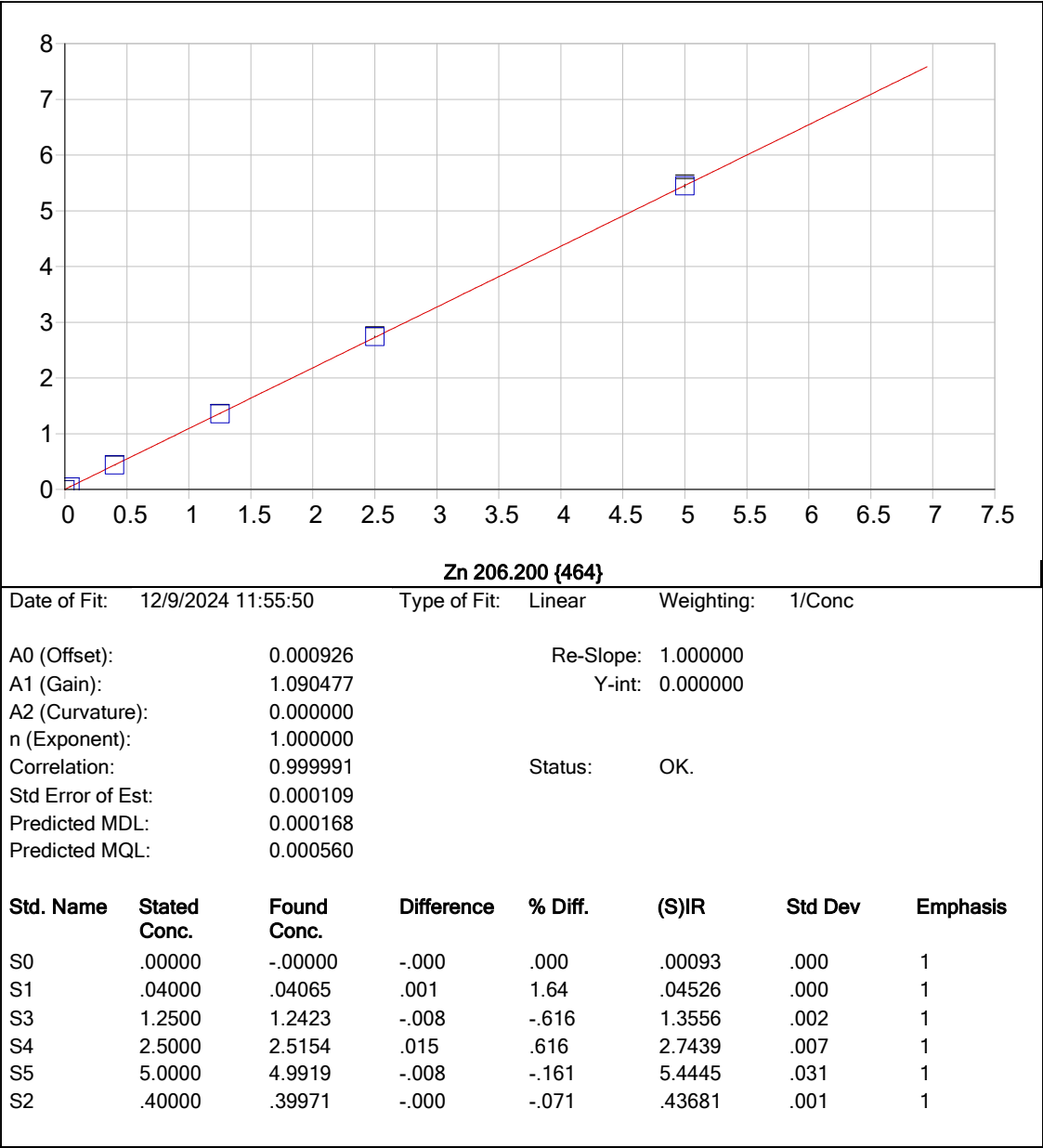


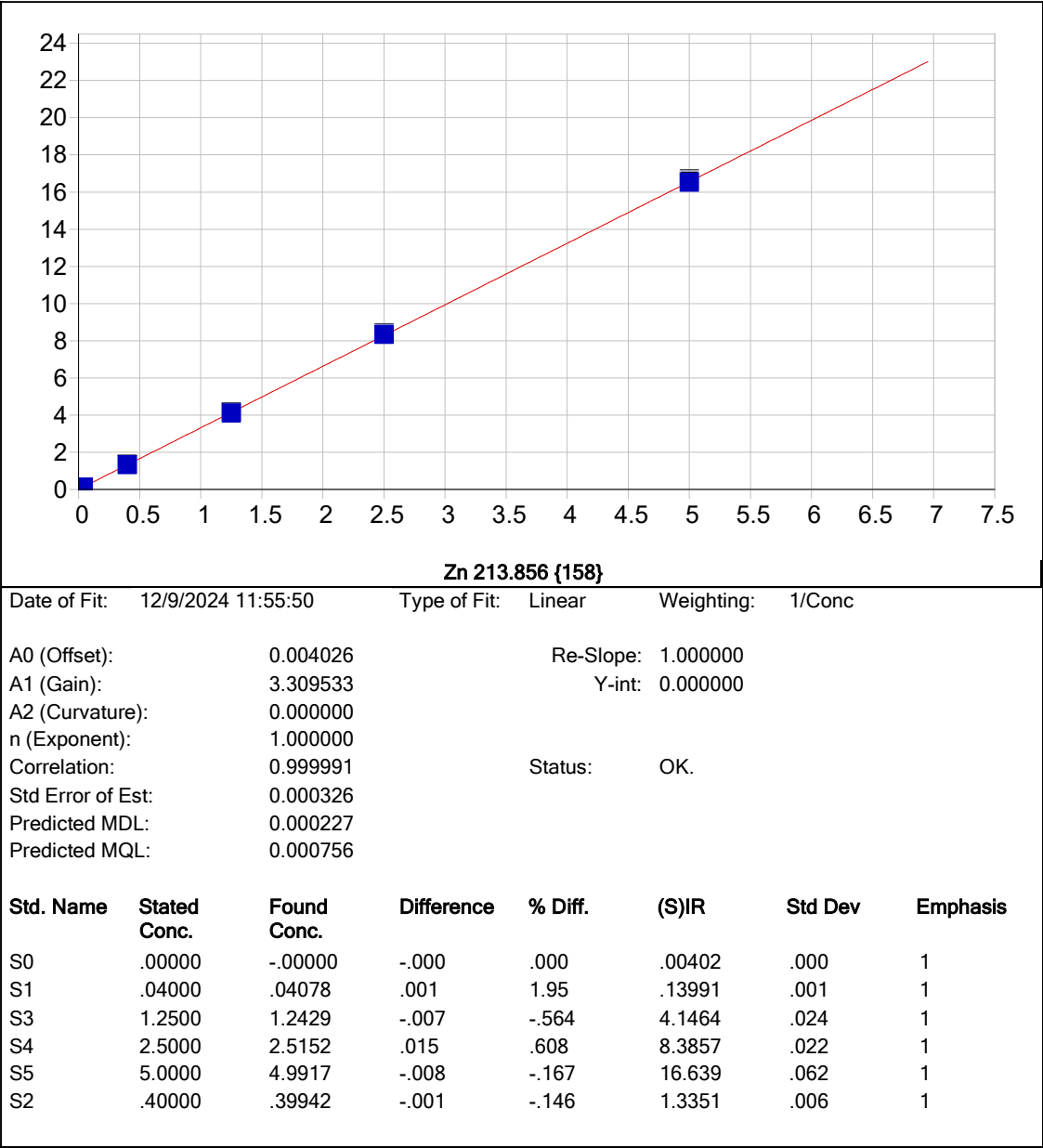


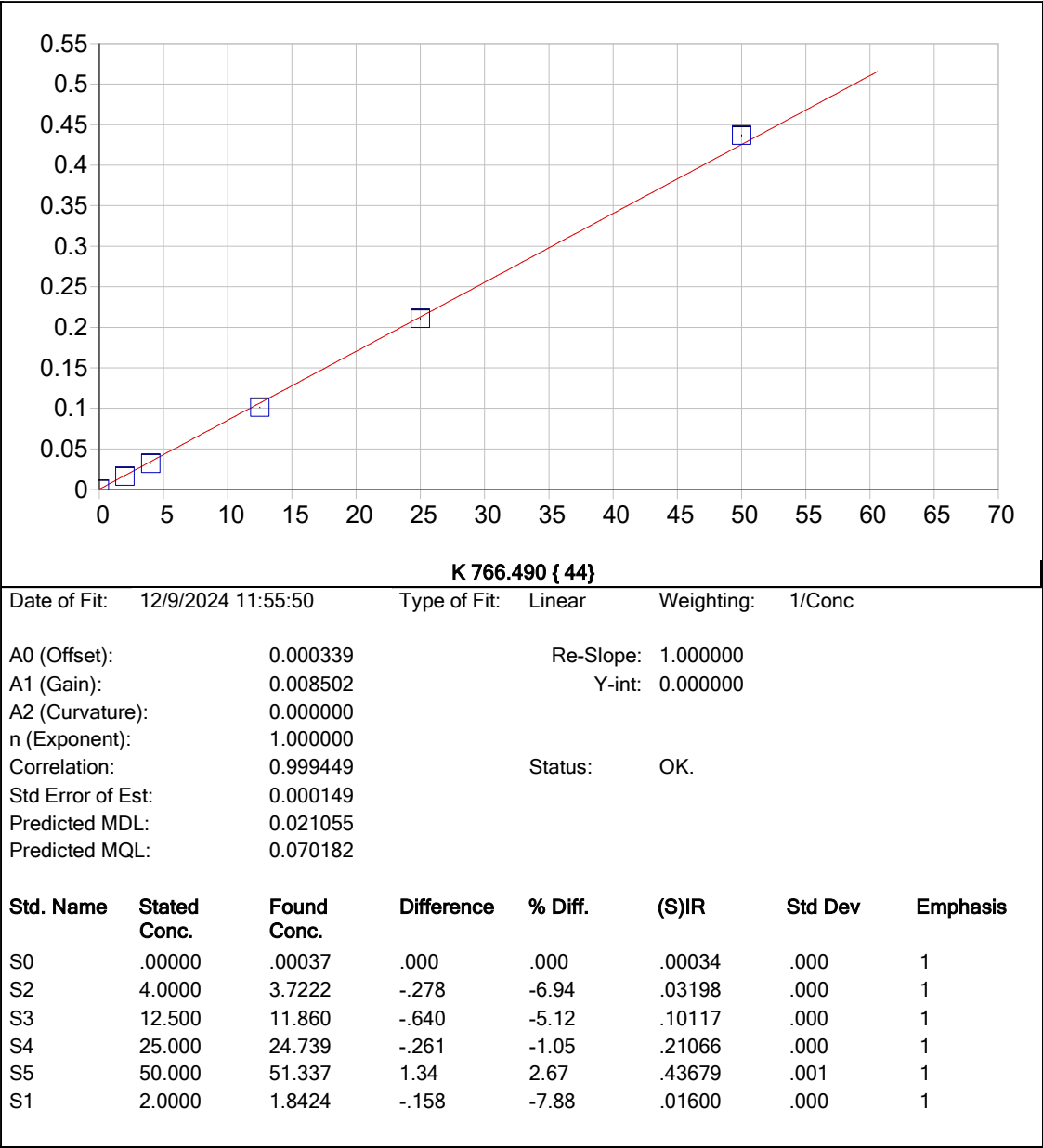


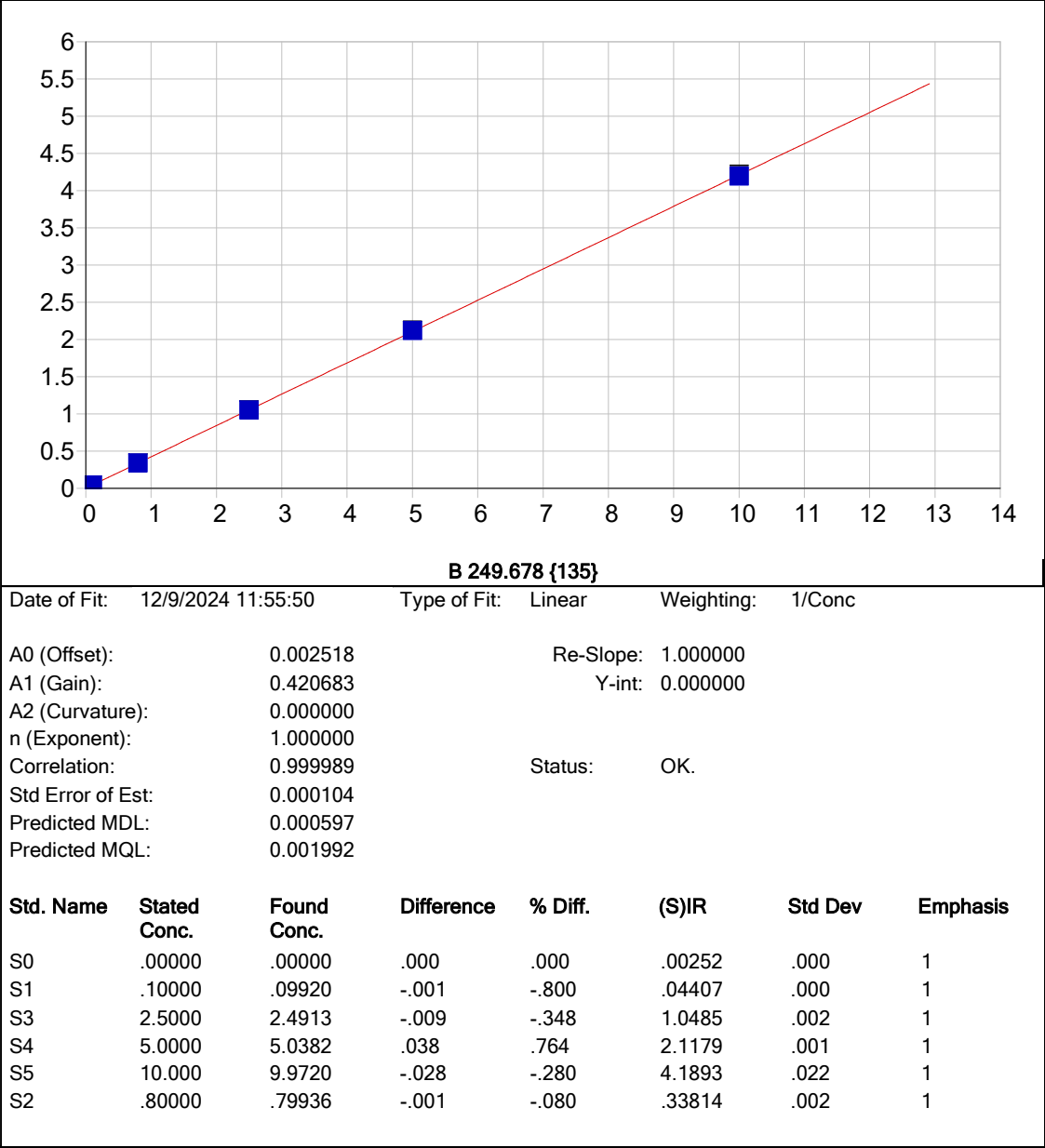


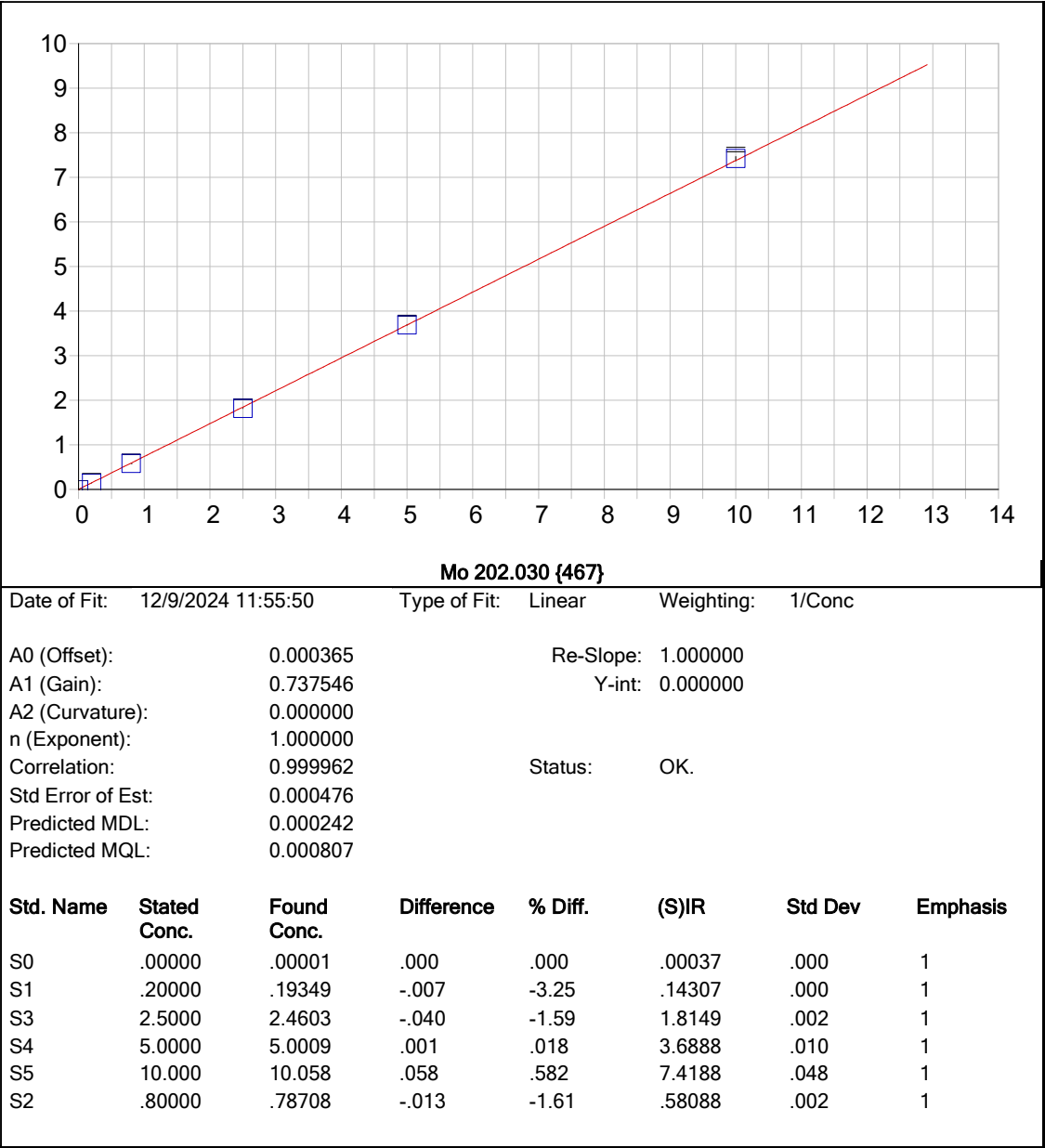


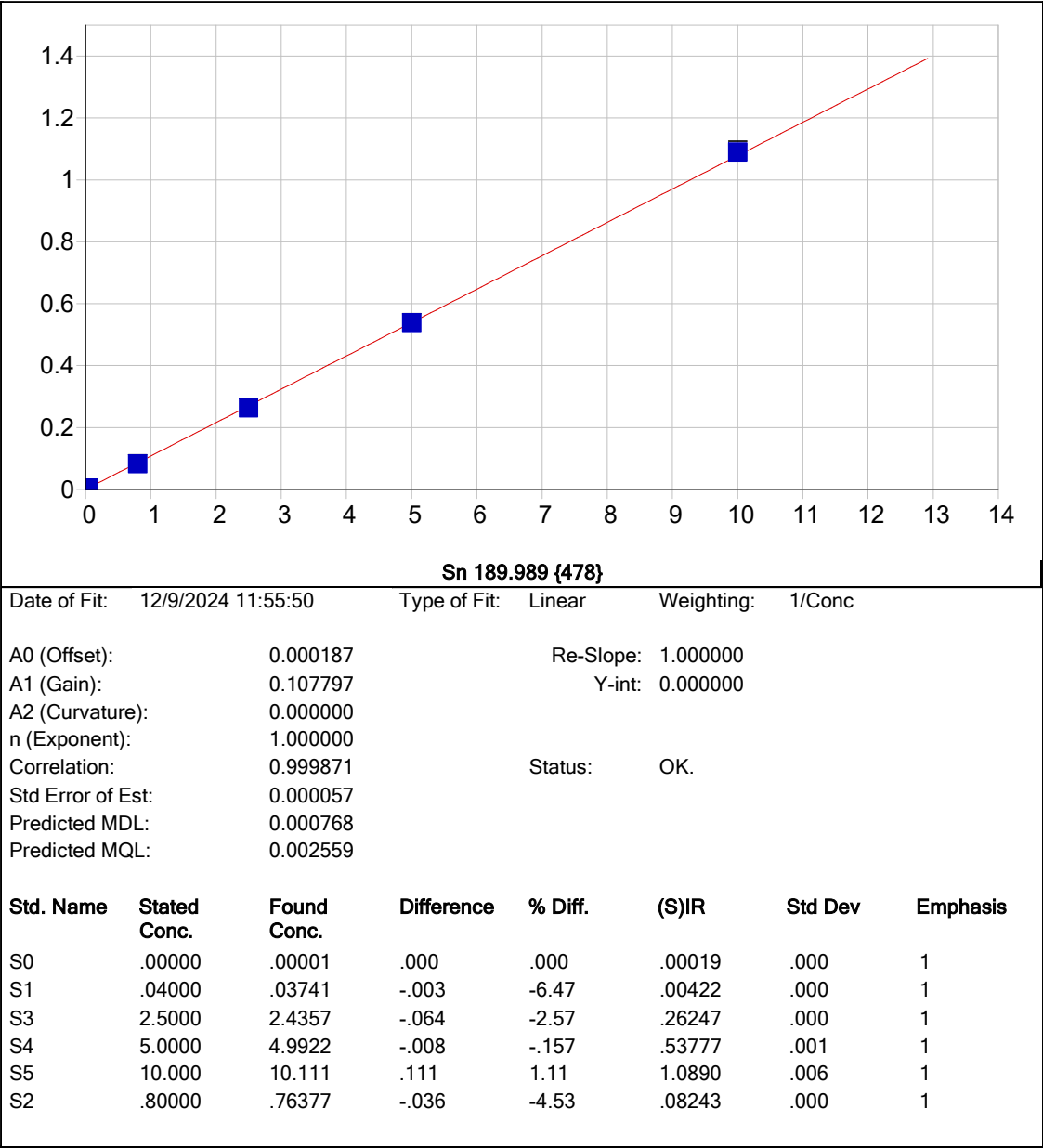


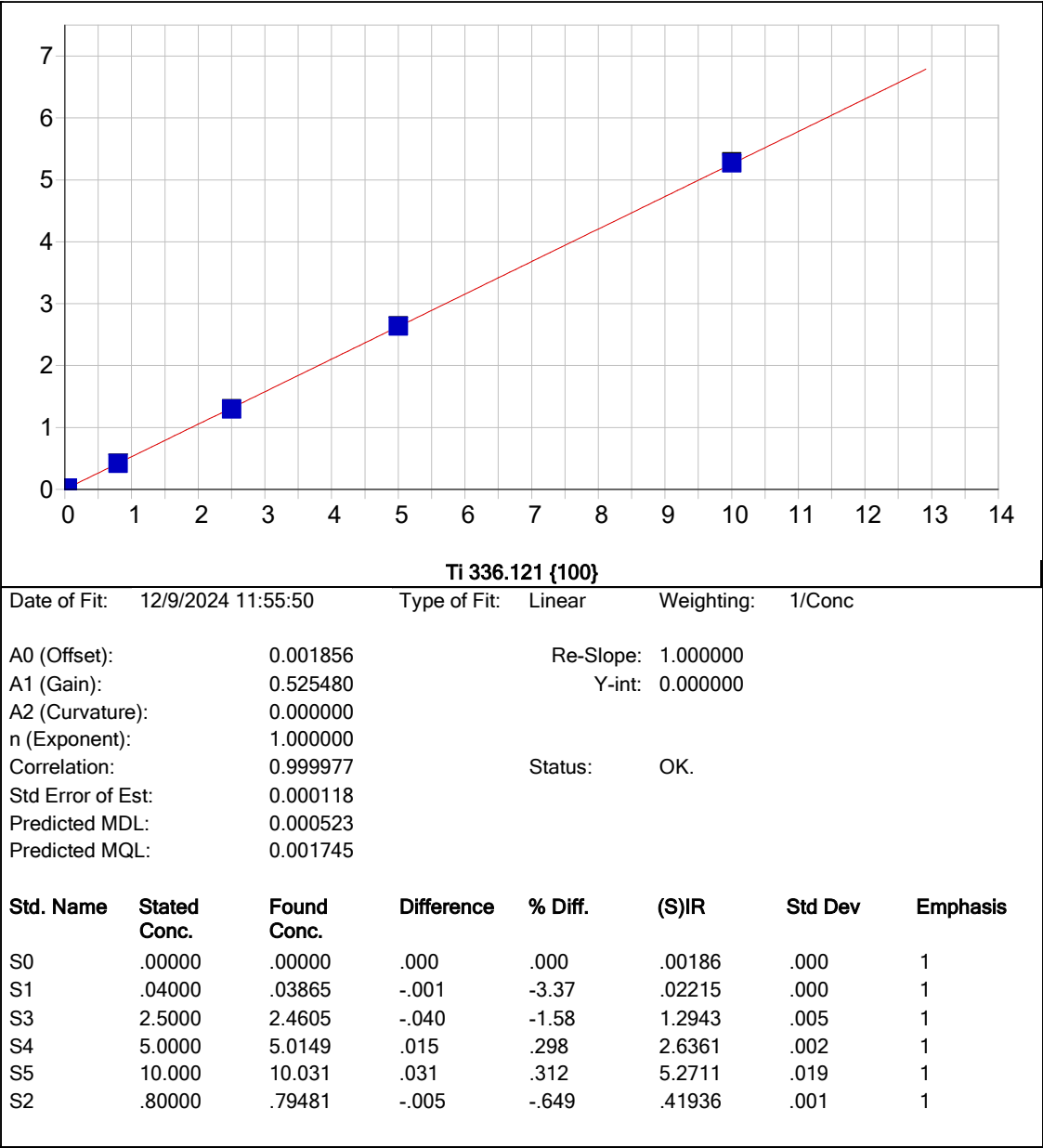


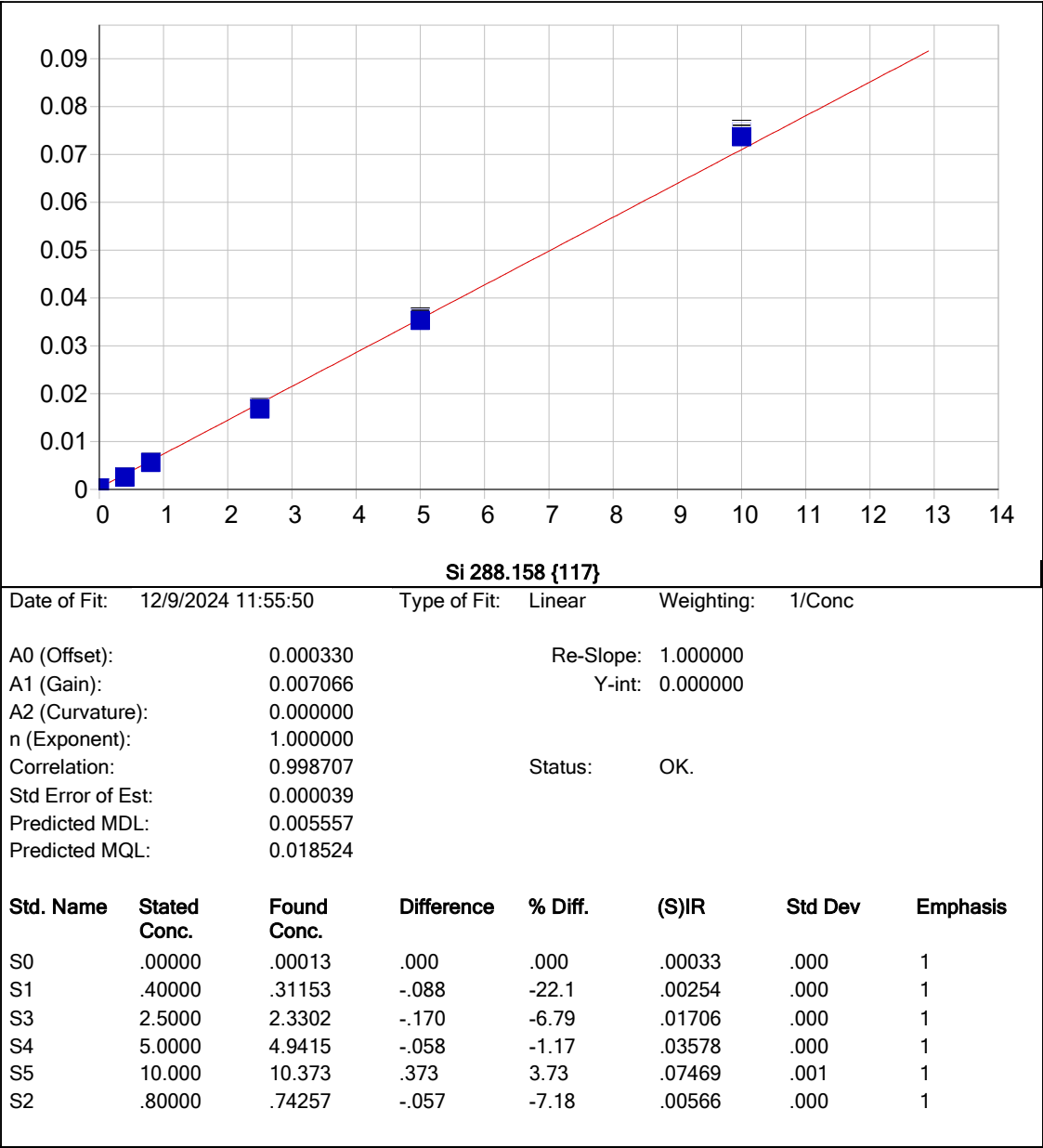


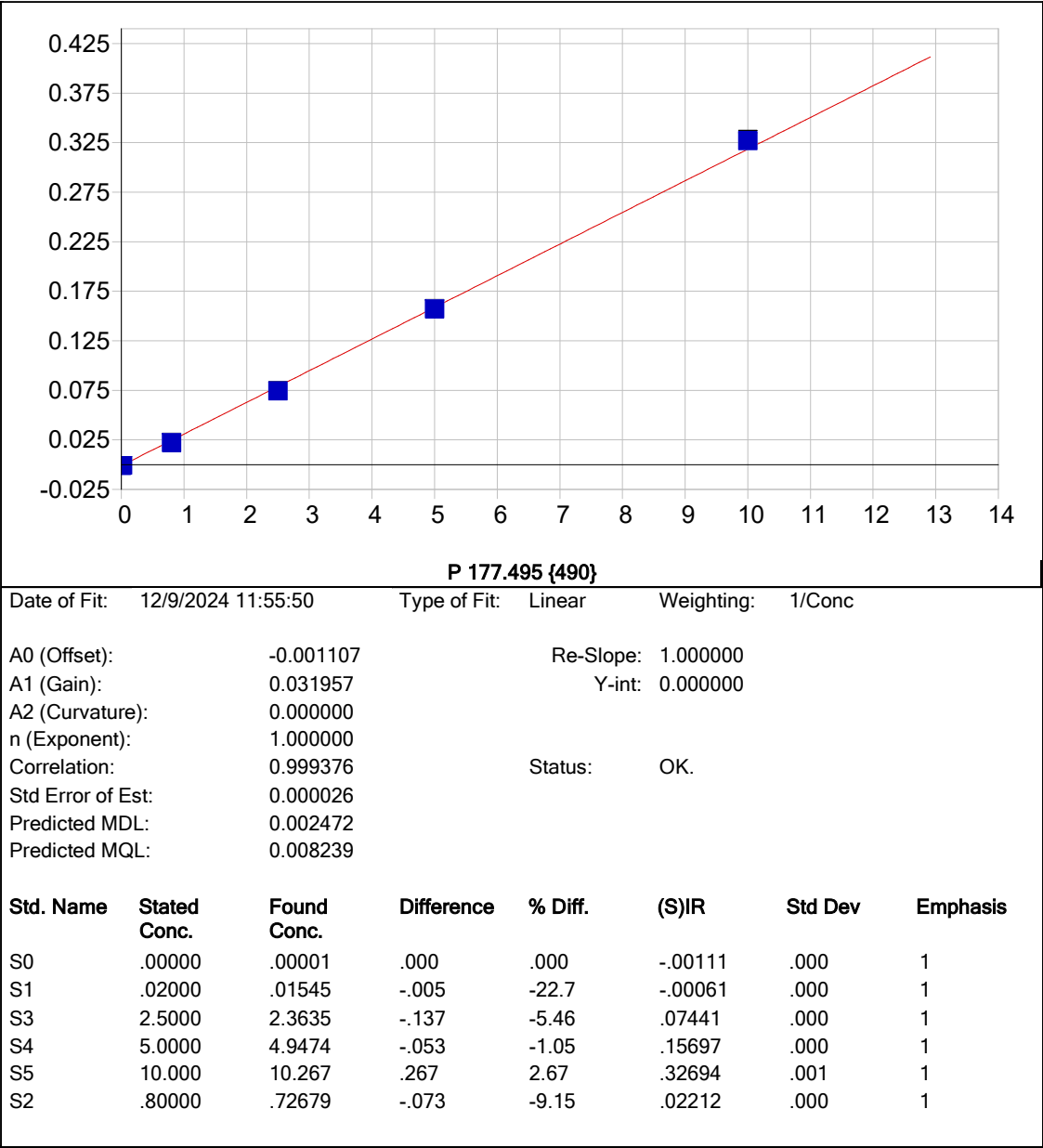


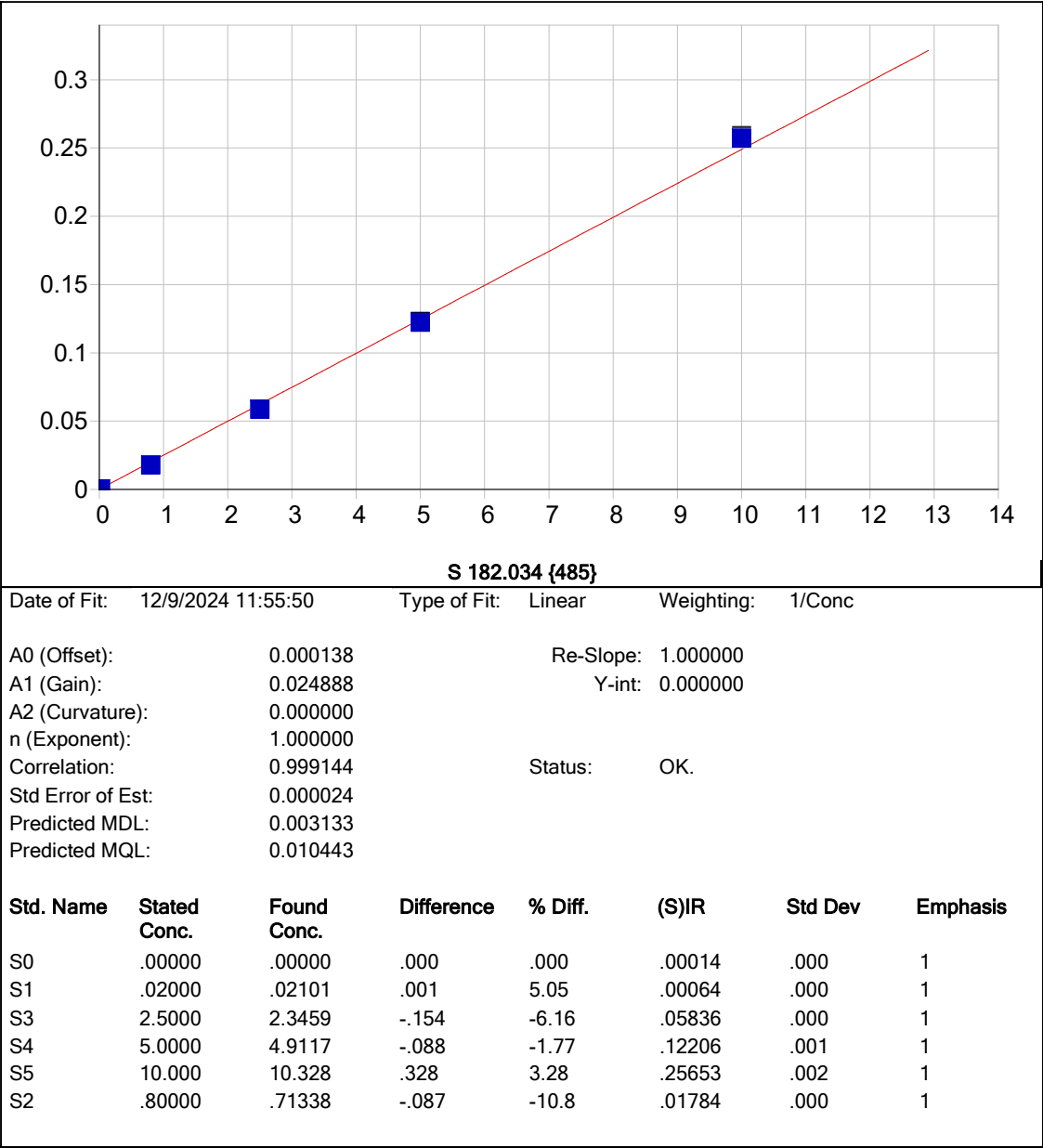


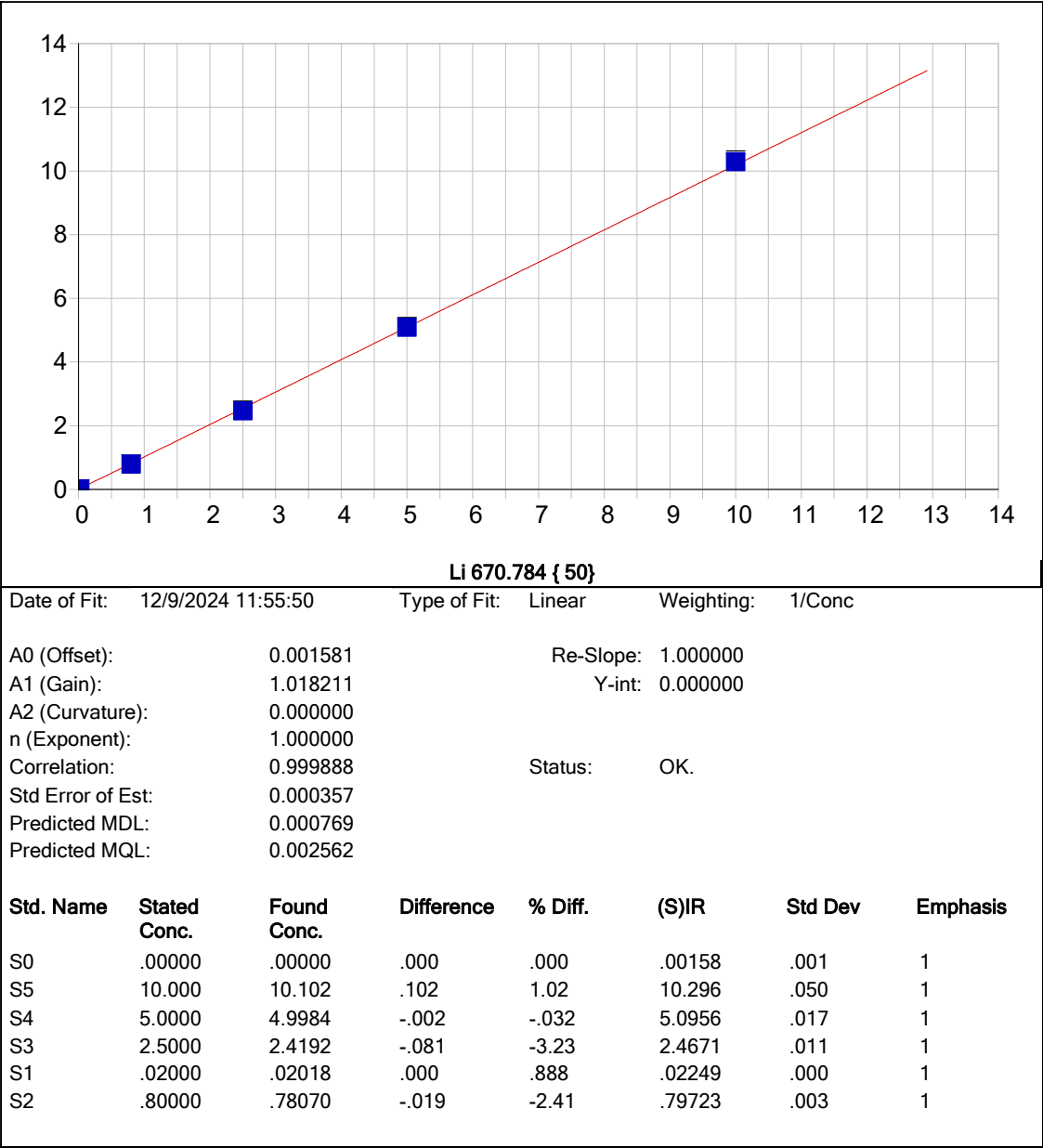


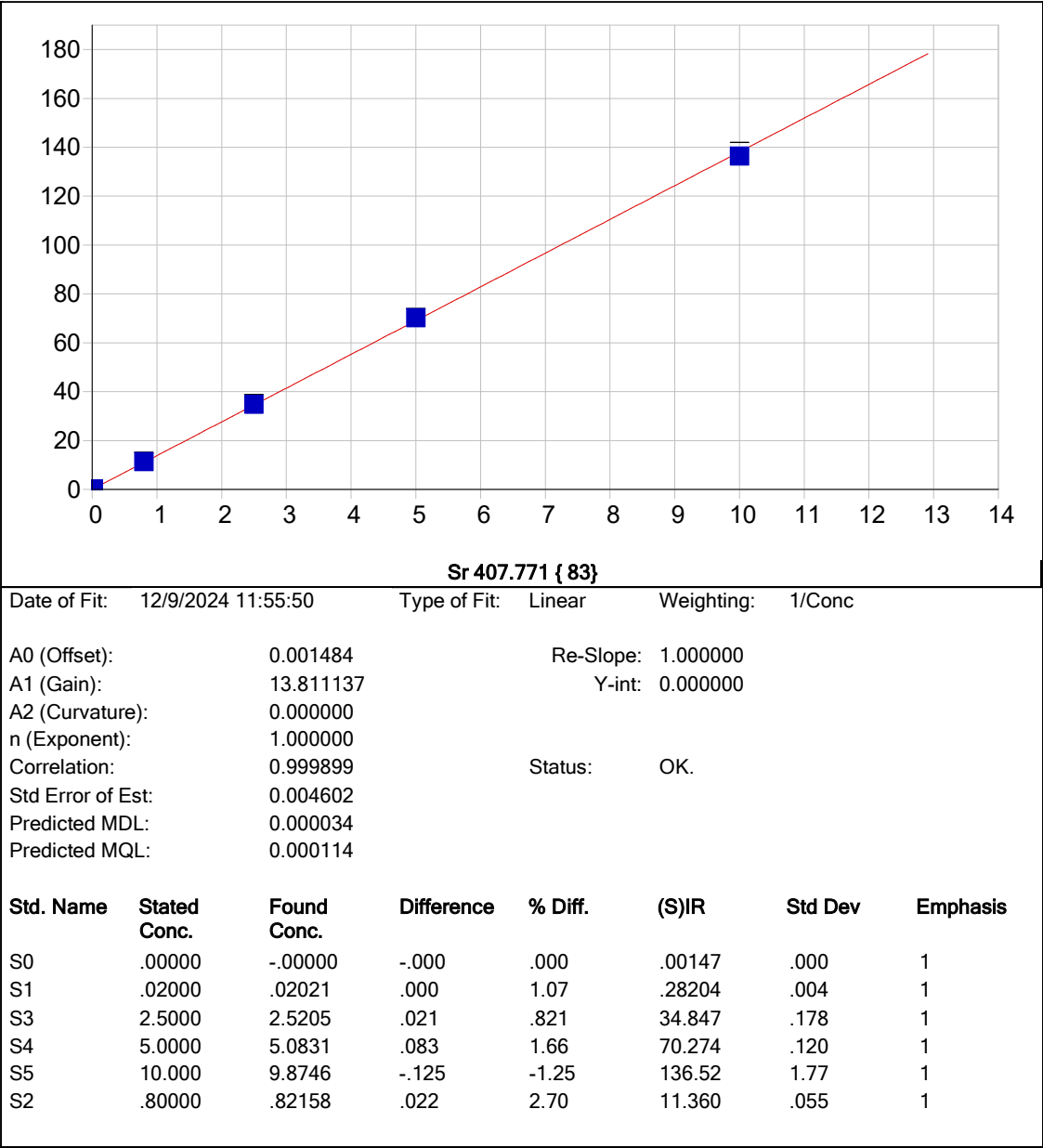


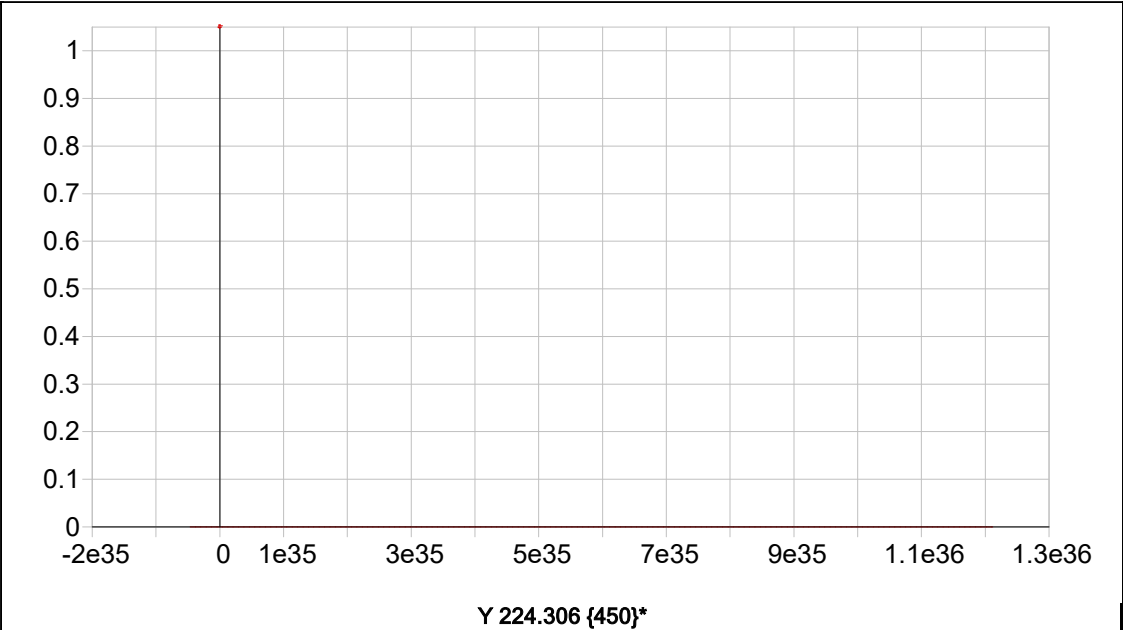






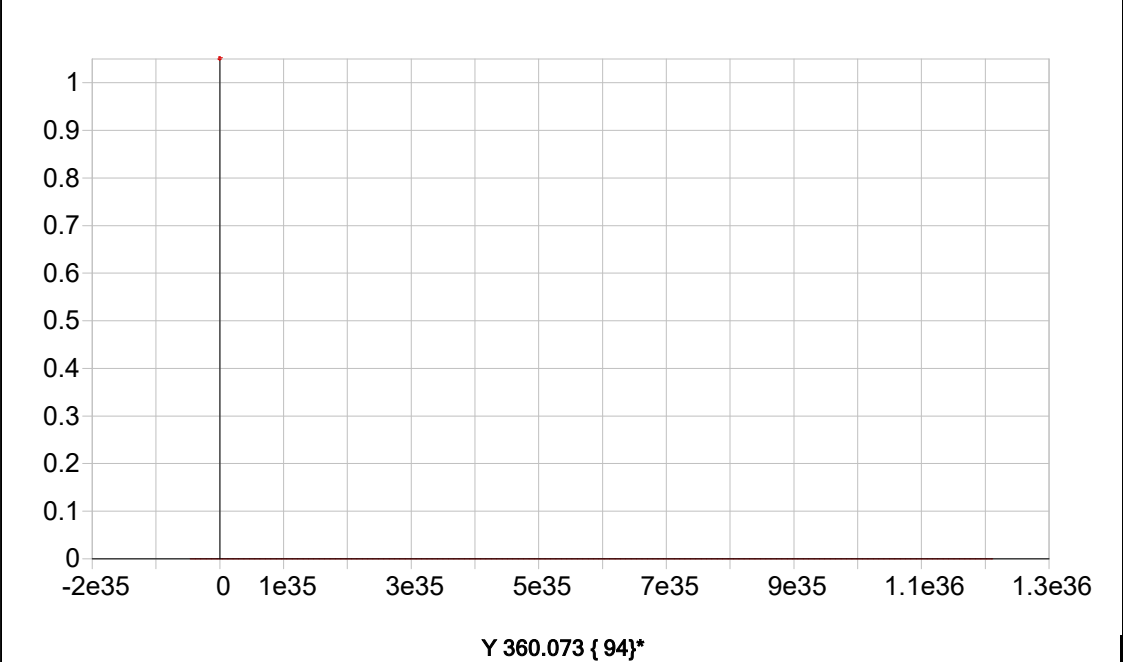




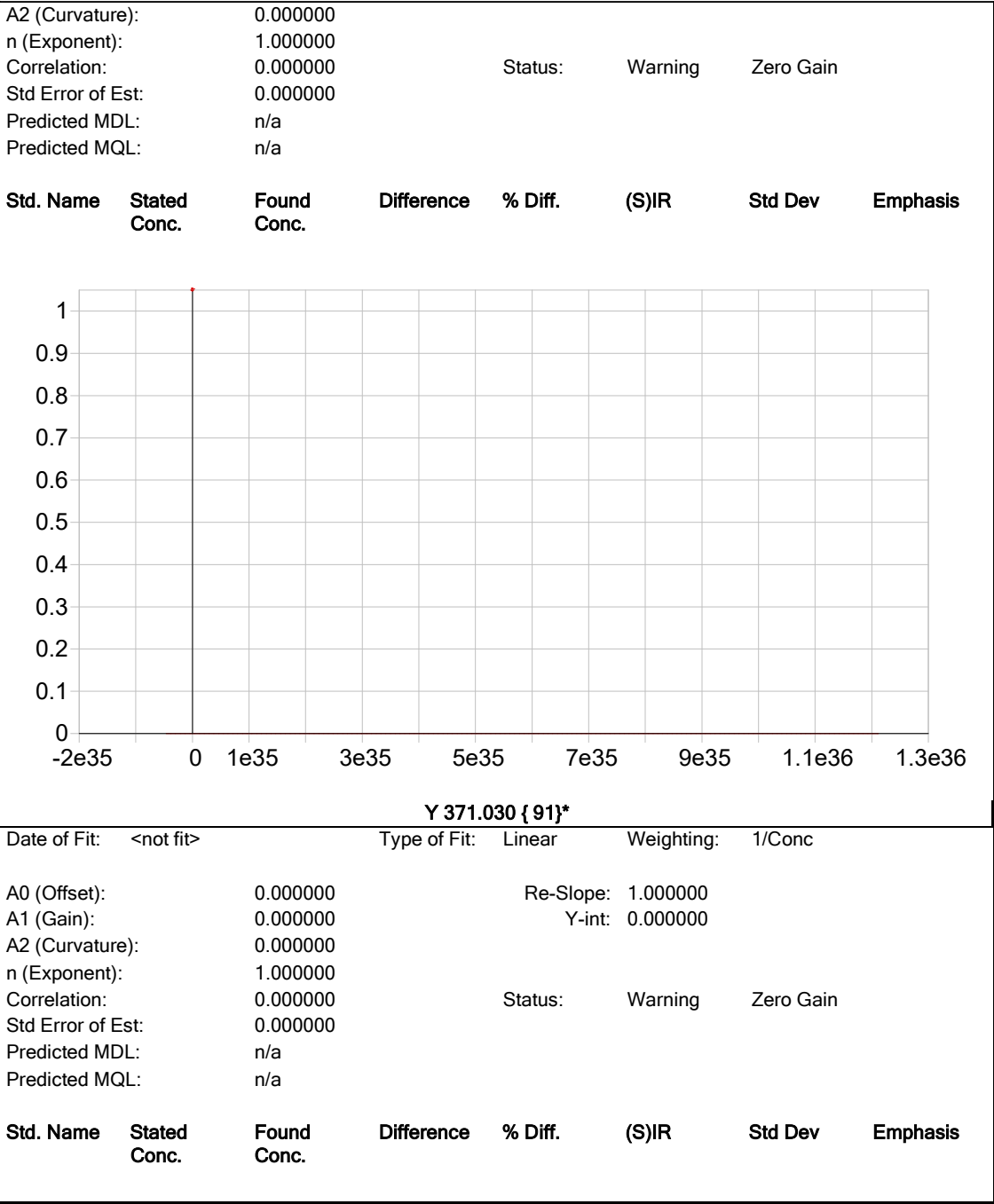


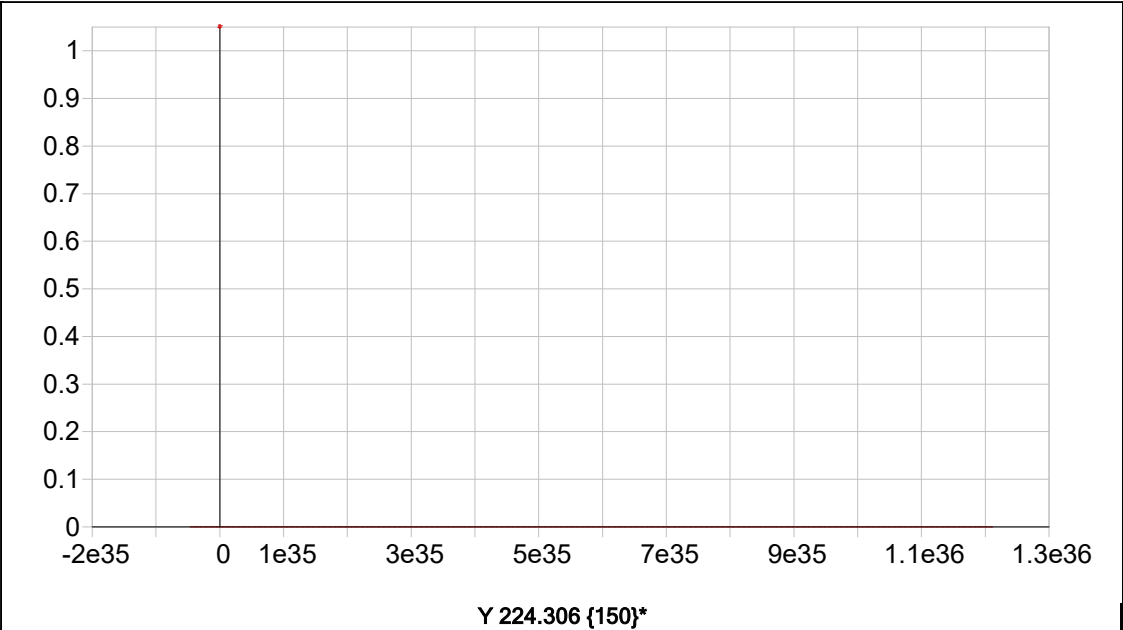
Date of Fit:	12/9/2024 11:55:50	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

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



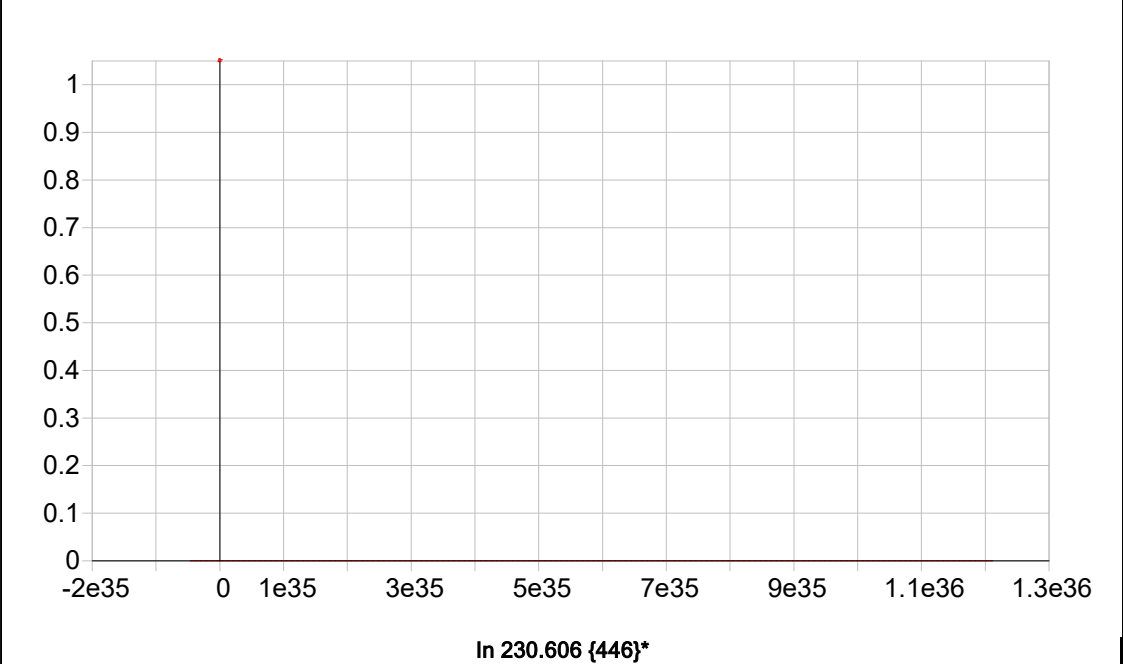
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		





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

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



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

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

Sample Name: S0 Acquired: 12/9/2024 11:06:00 Type: Cal
Method: NON EPA-6010-200.7(v2508) 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	-.00013	-.00029	-.00009	.00041	.00014	.00069	.01422	-.00025
Stddev	.00001	.00005	.00027	.00003	.00003	.00013	.00109	.00014
%RSD	9.4105	15.886	293.10	7.6148	22.688	18.660	7.6662	57.685
#1	-.00014	-.00024	-.00032	.00041	.00017	.00056	.01451	-.00008
#2	-.00013	-.00028	-.00017	.00045	.00013	.00082	.01513	-.00034
#3	-.00012	-.00033	.00021	.00039	.00011	.00071	.01301	-.00031
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	.00009	.00276	.00008	.00012	-.00014	.00005	.00024	-.00006
Stddev	.00021	.00027	.00004	.00013	.00035	.00002	.00015	.00012
%RSD	221.87	9.7156	55.726	110.03	244.58	30.846	60.991	210.46
#1	-.00014	.00305	.00004	.00018	.00014	.00004	.00015	-.00003
#2	.00026	.00271	.00007	-.00003	-.00003	.00005	.00016	.00005
#3	.00017	.00252	.00013	.00022	-.00054	.00007	.00041	-.00019
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	-.00025	-.00131	.00241	-.00001	.00402	.00034	.00252	.00037
Stddev	.00008	.00008	.00013	.00003	.00010	.00022	.00033	.00007
%RSD	30.560	5.8560	5.3830	586.84	2.6061	63.284	12.937	19.289
#1	-.00024	-.00122	.00227	.00002	.00412	.00047	.00222	.00046
#2	-.00019	-.00137	.00246	-.00004	.00404	.00009	.00247	.00032
#3	-.00034	-.00133	.00251	.00001	.00391	.00046	.00286	.00034
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	.00019	.00186	.00033	-.00111	.00014	.00158	.00147	
Stddev	.00006	.00015	.00002	.00002	.00007	.00068	.00025	
%RSD	33.509	8.1531	4.9530	1.5672	50.057	42.690	17.232	
#1	.00013	.00203	.00034	-.00110	.00019	.00201	.00126	
#2	.00018	.00177	.00031	-.00113	.00017	.00080	.00175	
#3	.00026	.00177	.00034	-.00109	.00006	.00194	.00140	

Sample Name: S0 Acquired: 12/9/2024 11:06:00 Type: Cal
Method: NON EPA-6010-200.7(v2508) 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	3045.1	67355.	13640.	2164.0	4887.0
Stddev	9.6	388.	50.	15.4	13.6
%RSD	.31503	.57649	.36375	.71382	.27775
#1	3038.6	66945.	13606.	2147.6	4875.7
#2	3056.1	67403.	13618.	2166.3	4902.0
#3	3040.6	67717.	13697.	2178.2	4883.3

Sample Name: S1 Acquired: 12/9/2024 11:10:27 Type: Cal

Method: NON EPA-6010-200.7(v2508) 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	.00070	.00175	.00257	.00194	.00685	.00824	.33386	.02157
Stddev	.00003	.00007	.00007	.00013	.00006	.00013	.00394	.00029
%RSD	4.7140	3.8591	2.9065	6.5337	.94316	1.5951	1.1800	1.3380
#1	.00070	.00170	.00249	.00203	.00686	.00821	.33841	.02172
#2	.00066	.00172	.00262	.00179	.00691	.00813	.33162	.02123
#3	.00073	.00182	.00261	.00200	.00678	.00839	.33155	.02174
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	.01193	.11171	.00209	.02480	.01599	.00056	.01360	.03337
Stddev	.00003	.00128	.00007	.00012	.00022	.00001	.00047	.00049
%RSD	.26734	1.1443	3.3199	.48042	1.3543	1.4249	3.4424	1.4536
#1	.01197	.11246	.00215	.02485	.01612	.00057	.01414	.03357
#2	.01191	.11023	.00212	.02467	.01574	.00056	.01340	.03281
#3	.01192	.11242	.00201	.02489	.01611	.00055	.01327	.03372
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	.02334	.00117	.03326	.00506	.13991	.01600	.04407	.14307
Stddev	.00016	.00013	.00014	.00013	.00102	.00008	.00025	.00027
%RSD	.68575	11.028	.42667	2.6350	.72662	.51959	.57293	.19138
#1	.02351	.00109	.03342	.00494	.13993	.01600	.04432	.14337
#2	.02319	.00132	.03323	.00521	.13889	.01609	.04382	.14282
#3	.02332	.00110	.03314	.00504	.14092	.01592	.04407	.14303
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	.00422	.02215	.00254	-.00061	.00064	.02249	.28204	
Stddev	.00009	.00009	.00003	.00002	.00004	.00025	.00357	
%RSD	2.0854	.41397	1.3514	2.5228	6.6095	1.1040	1.2655	
#1	.00428	.02221	.00253	-.00061	.00060	.02255	.28593	
#2	.00411	.02205	.00257	-.00063	.00064	.02271	.27892	
#3	.00425	.02221	.00250	-.00060	.00068	.02222	.28126	

Sample Name: S1 Acquired: 12/9/2024 11:10:27 Type: Cal
Method: NON EPA-6010-200.7(v2508) 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	2971.3	65218.	13593.	2093.6	4716.7
Stddev	10.5	132.	123.	2.1	12.8
%RSD	.35422	.20292	.90737	.10252	.27094
#1	2970.0	65066.	13465.	2095.4	4715.8
#2	2982.4	65303.	13711.	2094.2	4730.0
#3	2961.5	65286.	13604.	2091.2	4704.5

Sample Name: S2 Acquired: 12/9/2024 11:14:48 Type: Cal
Method: NON EPA-6010-200.7(v2508) 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	.03234	.04449	.18776	.06414	.10715	.12198	5.3003	.15028
Stddev	.00015	.00111	.00062	.00050	.00024	.00059	.0282	.00088
%RSD	.46807	2.5036	.32905	.77595	.22150	.48151	.53243	.58537
#1	.03245	.04574	.18842	.06462	.10738	.12254	5.3321	.15127
#2	.03239	.04362	.18767	.06416	.10716	.12137	5.2906	.14961
#3	.03217	.04410	.18719	.06363	.10691	.12204	5.2782	.14995
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	.80860	.22074	.03368	.33646	.15146	.00443	.26320	.06256
Stddev	.00134	.00056	.00016	.00041	.00035	.00003	.00072	.00012
%RSD	.16520	.25439	.47634	.12157	.23284	.62376	.27424	.18479
#1	.81015	.22115	.03351	.33691	.15158	.00440	.26396	.06269
#2	.80790	.22097	.03383	.33636	.15173	.00444	.26310	.06247
#3	.80777	.22010	.03369	.33612	.15106	.00445	.26253	.06252
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	.24263	.05040	.06553	.05072	1.3351	.03198	.33814	.58088
Stddev	.00035	.00004	.00027	.00018	.0064	.00012	.00153	.00175
%RSD	.14223	.07629	.41069	.35110	.48243	.37891	.45147	.30117
#1	.24299	.05040	.06529	.05090	1.3282	.03189	.33977	.58236
#2	.24230	.05044	.06582	.05054	1.3363	.03212	.33791	.58132
#3	.24258	.05037	.06547	.05073	1.3409	.03194	.33674	.57895
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	.08243	.41936	.00566	.02212	.01784	.79723	11.360	
Stddev	.00017	.00115	.00001	.00027	.00004	.00293	.055	
%RSD	.20453	.27468	.11510	1.2205	.21490	.36814	.48370	
#1	.08262	.42068	.00567	.02242	.01788	.80048	11.421	
#2	.08231	.41882	.00567	.02201	.01782	.79644	11.341	
#3	.08236	.41858	.00565	.02192	.01782	.79478	11.316	

Sample Name: S2 Acquired: 12/9/2024 11:14:48 Type: Cal
Method: NON EPA-6010-200.7(v2508) 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	2841.9	62322.	13117.	1999.3	4440.1
Stddev	6.5	90.	45.	15.7	7.4
%RSD	.22720	.14504	.34686	.78766	.16644
#1	2839.4	62422.	13066.	2015.7	4433.4
#2	2837.1	62296.	13134.	1997.8	4439.0
#3	2849.2	62247.	13152.	1984.3	4448.0

Sample Name: S3 Acquired: 12/9/2024 11:18:55 Type: Cal
Method: NON EPA-6010-200.7(v2508) 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	.10309	.14266	.59161	.20391	.33902	.37981	16.363	.47016
Stddev	.00022	.00120	.00133	.00089	.00065	.00087	.104	.00012
%RSD	.21328	.84231	.22415	.43801	.19229	.22859	.63578	.02489
#1	.10324	.14289	.59217	.20337	.33855	.37918	16.406	.47004
#2	.10284	.14135	.59009	.20341	.33874	.37945	16.245	.47027
#3	.10320	.14372	.59256	.20494	.33976	.38080	16.439	.47017
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	2.5665	.68013	.10510	1.0683	.47474	.01388	.80769	.19537
Stddev	.0047	.00231	.00035	.0013	.00044	.00005	.00291	.00056
%RSD	.18268	.33988	.33509	.12541	.09213	.33557	.36074	.28495
#1	2.5702	.67750	.10474	1.0682	.47430	.01383	.80602	.19483
#2	2.5612	.68107	.10510	1.0670	.47474	.01387	.80600	.19534
#3	2.5681	.68183	.10544	1.0697	.47518	.01393	.81106	.19594
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	.76585	.15859	.20292	.15807	4.1464	.10117	1.0485	1.8149
Stddev	.00046	.00013	.00094	.00075	.0243	.00048	.0024	.0023
%RSD	.06040	.08496	.46149	.47613	.58695	.47704	.23322	.12663
#1	.76638	.15851	.20289	.15728	4.1201	.10077	1.0457	1.8144
#2	.76552	.15874	.20200	.15877	4.1508	.10102	1.0503	1.8129
#3	.76564	.15850	.20387	.15816	4.1682	.10170	1.0494	1.8174
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	.26247	1.2943	.01706	.07441	.05836	2.4671	34.847	
Stddev	.00035	.0049	.00011	.00023	.00014	.0109	.178	
%RSD	.13488	.37646	.62503	.31471	.23340	.44318	.51130	
#1	.26257	1.2919	.01695	.07439	.05823	2.4685	34.656	
#2	.26208	1.2911	.01708	.07419	.05850	2.4556	34.878	
#3	.26277	1.2999	.01716	.07465	.05835	2.4773	35.008	

Sample Name: S3 Acquired: 12/9/2024 11:18:55 Type: Cal
Method: NON EPA-6010-200.7(v2508) 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	2823.7	62164.	13308.	1989.8	4314.9
Stddev	2.4	160.	13.	15.5	1.5
%RSD	.08620	.25697	.09760	.77898	.03526
#1	2826.3	62276.	13302.	1999.3	4316.6
#2	2821.5	62234.	13322.	1998.1	4314.2
#3	2823.4	61981.	13298.	1971.9	4313.8

Sample Name: S4 Acquired: 12/9/2024 11:23:09 Type: Cal
Method: NON EPA-6010-200.7(v2508) 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	.21194	.28668	1.2050	.41799	.69575	.77756	33.471	.95000
Stddev	.00066	.00068	.0042	.00061	.00145	.00066	.056	.00145
%RSD	.31152	.23667	.34651	.14683	.20856	.08526	.16786	.15218
#1	.21124	.28700	1.2015	.41731	.69430	.77806	33.425	.95159
#2	.21202	.28590	1.2039	.41818	.69576	.77681	33.533	.94967
#3	.21256	.28714	1.2096	.41849	.69720	.77782	33.455	.94875
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	5.2811	1.3800	.21307	2.1945	.95461	.02844	1.6321	.39945
Stddev	.0126	.0021	.00028	.0061	.00170	.00009	.0039	.00039
%RSD	.23755	.15016	.12919	.27887	.17820	.32906	.23818	.09770
#1	5.2721	1.3792	.21317	2.1903	.95336	.02835	1.6287	.39990
#2	5.2757	1.3824	.21275	2.1917	.95393	.02844	1.6363	.39917
#3	5.2954	1.3785	.21327	2.2015	.95655	.02854	1.6312	.39928
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	1.5676	.32388	.42567	.32356	8.3857	.21066	2.1179	3.6888
Stddev	.0048	.00066	.00164	.00051	.0223	.00046	.0012	.0104
%RSD	.30348	.20329	.38610	.15759	.26548	.21931	.05527	.28174
#1	1.5648	.32369	.42388	.32300	8.3678	.21014	2.1184	3.6803
#2	1.5648	.32333	.42603	.32401	8.3786	.21101	2.1165	3.6857
#3	1.5731	.32461	.42710	.32367	8.4106	.21083	2.1187	3.7004
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	.53777	2.6361	.03578	.15697	.12206	5.0956	70.274	
Stddev	.00074	.0017	.00021	.00046	.00060	.0169	.120	
%RSD	.13721	.06598	.59771	.29083	.49330	.33139	.17103	
#1	.53771	2.6343	.03564	.15673	.12184	5.0781	70.298	
#2	.53707	2.6378	.03567	.15669	.12159	5.1119	70.380	
#3	.53854	2.6363	.03602	.15750	.12274	5.0968	70.143	

Sample Name: S4 Acquired: 12/9/2024 11:23:09 Type: Cal
Method: NON EPA-6010-200.7(v2508) 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	2704.7	59717.	12953.	1897.2	4064.5
Stddev	5.4	94.	15.	4.8	8.3
%RSD	.20057	.15777	.11571	.25523	.20467
#1	2709.9	59753.	12956.	1902.8	4071.0
#2	2705.1	59787.	12936.	1894.4	4067.4
#3	2699.0	59610.	12965.	1894.5	4055.2

Sample Name: S5 Acquired: 12/9/2024 11:27:23 Type: Cal
Method: NON EPA-6010-200.7(v2508) 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	.43457	.56866	2.4415	.85321	1.4228	1.5750	65.986	1.8764
Stddev	.00314	.00763	.0127	.00638	.0092	.0042	.454	.0095
%RSD	.72204	1.3416	.52023	.74807	.64653	.26474	.68786	.50554
#1	.43123	.56064	2.4310	.84651	1.4139	1.5780	66.510	1.8854
#2	.43501	.56951	2.4378	.85390	1.4224	1.5768	65.726	1.8774
#3	.43746	.57582	2.4556	.85922	1.4323	1.5702	65.723	1.8665
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	10.734	2.7377	.42458	4.4878	1.9044	.05718	3.2275	.80513
Stddev	.059	.0083	.00147	.0214	.0111	.00010	.0120	.00395
%RSD	.55283	.30322	.34666	.47675	.58107	.18221	.37314	.49087
#1	10.688	2.7469	.42480	4.4694	1.8942	.05713	3.2409	.80694
#2	10.713	2.7354	.42593	4.4827	1.9027	.05712	3.2236	.80785
#3	10.801	2.7308	.42301	4.5113	1.9162	.05730	3.2178	.80060
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	3.1844	.65946	.87610	.64666	16.639	.43679	4.1893	7.4188
Stddev	.0184	.00197	.00188	.00213	.062	.00078	.0216	.0483
%RSD	.57896	.29902	.21414	.32980	.37419	.17818	.51484	.65088
#1	3.1700	.65983	.87824	.64851	16.622	.43601	4.2116	7.3711
#2	3.1780	.66122	.87532	.64714	16.708	.43680	4.1878	7.4176
#3	3.2052	.65733	.87474	.64433	16.587	.43757	4.1686	7.4676
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	1.0890	5.2711	.07469	.32694	.25653	10.296	136.52	
Stddev	.0056	.0186	.00054	.00116	.00186	.050	1.77	
%RSD	.51364	.35347	.71974	.35346	.72586	.48245	1.2975	
#1	1.0836	5.2918	.07407	.32624	.25473	10.351	138.34	
#2	1.0887	5.2661	.07494	.32631	.25642	10.285	136.41	
#3	1.0948	5.2555	.07505	.32828	.25845	10.253	134.80	

Sample Name: S5 Acquired: 12/9/2024 11:27:23 Type: Cal
Method: NON EPA-6010-200.7(v2508) 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	2571.4	57615.	12786.	1805.7	3793.6
Stddev	12.7	96.	71.	5.5	17.2
%RSD	.49484	.16663	.55781	.30200	.45345
#1	2584.6	57637.	12715.	1809.7	3809.5
#2	2570.5	57509.	12785.	1799.5	3796.1
#3	2559.2	57697.	12858.	1808.0	3775.4

Sample Name: ICV01 Acquired: 12/9/2024 11:35:57 Type: Unk
Method: NON EPA-6010-200.7(v2509) 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	.9545510	1.012860	.9714589	.9750129	.9798295	2.493160
Stddev	.0002731	.004544	.0010800	.0024121	.0032948	.016515
%RSD	.0286108	.4486021	.1111759	.2473876	.3362605	.6624248

#1	.9548109	1.010683	.9720615	.9746601	.9761756	2.511755
#2	.9545759	1.018082	.9721031	.9727966	.9825742	2.487523
#3	.9542664	1.009814	.9702120	.9775819	.9807387	2.480201

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5077746	.5245713	.4942862	10.05634	.5167822	.5001949
Stddev	.0046812	.0019201	.0007690	.03640	.0015833	.0006153
%RSD	.9219017	.3660295	.1555725	.3620010	.3063842	.1230110

#1	.5131334	.5267805	.4940854	10.09501	.5149834	.4997857
#2	.5057080	.5233050	.4951357	10.05127	.5179647	.5009025
#3	.5044823	.5236282	.4936375	10.02273	.5173986	.4998965

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5078776	9.630071	.5200024	5.936163	.5497066	.2482311
Stddev	.0017596	.006879	.0026529	.018273	.0009713	.0000443
%RSD	.3464693	.0714340	.5101690	.3078244	.1766966	.0178438

#1	.5061765	9.622832	.5230582	5.932140	.5490576	.2482583
#2	.5096905	9.630858	.5186593	5.956113	.5508233	.2481800
#3	.5077657	9.636522	.5182896	5.920237	.5492390	.2482551

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.40527	.5056076	.9988384	10.16548	F .0177517	F .0005863
Stddev	.01681	.0019095	.0013697	.03922	.0009822	.0001226
%RSD	.1615398	.3776713	.1371320	.3858632	5.533081	20.90698

#1	10.38726	.5070672	1.000381	10.12325	.0184791	.0005154
#2	10.42054	.5063090	.998368	10.17241	.0181416	.0005158
#3	10.40801	.5034465	.997766	10.20077	.0166344	.0007279

Sample Name: ICV01 Acquired: 12/9/2024 11:35:57 Type: Unk
Method: NON EPA-6010-200.7(v2509) 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 .0001925	F .0023069	F .0300194	F .0050108	F .0015189	F .0014544
Stddev	.0005334	.0020223	.0039850	.0003240	.0009717	.0014813
%RSD	277.0423	87.66354	13.27458	6.466590	63.97322	101.8478
#1	-.000366	.0045107	.0308052	.0049986	.0005766	.0031137
#2	.000697	.0018735	.0257001	.0046930	.0014627	.0009847
#3	.000246	.0005364	.0335529	.0053408	.0025175	.0002650

Elem	Sr4077
Units	ppm
Avg	F -.006074
Stddev	.001533
%RSD	25.24090
#1	-.004382
#2	-.006471
#3	-.007370

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2902.986	63362.73	13209.24	2049.515	4501.944
Stddev	2.038	103.58	69.94	9.697	3.043
%RSD	.0702157	.1634655	.5294548	.4731382	.0675896
#1	2904.651	63414.65	13130.84	2040.934	4500.493
#2	2900.713	63243.46	13231.66	2047.575	4499.899
#3	2903.595	63430.08	13265.22	2060.035	4505.441

Sample Name: LLICV01 Acquired: 12/9/2024 11:49:25 Type: Unk
Method: NON EPA-6010-200.7(v2507) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0187431	.0394865	.0122812	.0211219	.0508833	.1066569
Stddev	.0012047	.0022547	.0005502	.0013275	.0005677	.0083880
%RSD	6.427504	5.710119	4.479727	6.285117	1.115660	7.864464
#1	.0186723	.0378489	.0117277	.0226530	.0513746	.0972712
#2	.0175753	.0420582	.0122880	.0202918	.0502618	.1092785
#3	.0199816	.0385524	.0128280	.0204209	.0510135	.1134210
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0992806	.0061603	.0059072	2.127300	.0112669	.0293634
Stddev	.0004173	.0001099	.0000655	.021523	.0000956	.0000457
%RSD	.4203053	1.783897	1.108402	1.011743	.8487648	.1557342
#1	.0995186	.0061250	.0058318	2.146026	.0113467	.0293227
#2	.0995245	.0062835	.0059405	2.132088	.0112929	.0294129
#3	.0987988	.0060724	.0059494	2.103786	.0111609	.0293547
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0222527	.0934839	.0214610	2.248427	.0395303	.0099354
Stddev	.0001934	.0032065	.0001803	.010039	.0001574	.0000902
%RSD	.8692350	3.430039	.8402418	.4464836	.3982421	.9076234
#1	.0224737	.0970344	.0214797	2.243577	.0393855	.0099506
#2	.0221706	.0907990	.0216313	2.259970	.0396979	.0098386
#3	.0221139	.0926183	.0212721	2.241734	.0395076	.0100170
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.771282	.0420589	.0424524	1.833372	.1056983	.2080678
Stddev	.043789	.0011407	.0006644	.038218	.0018143	.0005992
%RSD	2.472169	2.712032	1.564981	2.084573	1.716500	.2880036
#1	1.810137	.0407422	.0427104	1.870005	.1048018	.2082445
#2	1.723833	.0426885	.0416978	1.793745	.1077864	.2085588
#3	1.779876	.0427460	.0429492	1.836366	.1045068	.2074000

Sample Name: LLICV01 Acquired: 12/9/2024 11:49:25 Type: Unk
Method: NON EPA-6010-200.7(v2507) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0394948	.0402019	.3436348	F .0159633	.0212944	.0208121
Stddev	.0004863	.0003719	.0090921	.0017662	.0009498	.0009306
%RSD	1.231284	.9250537	2.645872	11.06433	4.460464	4.471259
#1	.0392410	.0402226	.3515621	.0168230	.0223910	.0198007
#2	.0400555	.0405631	.3337100	.0171350	.0207632	.0210037
#3	.0391879	.0398201	.3456324	.0139318	.0207290	.0216320

Elem	Sr4077
Units	ppm
Avg	.0208205
Stddev	.0001626
%RSD	.7810674
#1	.0209344
#2	.0208929
#3	.0206343

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2787.373	63182.44	13072.60	2009.404	4486.694
Stddev	5.817	1312.53	68.67	81.081	11.113
%RSD	.2087054	2.077364	.5252858	4.035066	.2476906
#1	2785.396	62167.35	13139.04	1948.451	4476.302
#2	2782.802	64664.63	13001.90	2101.424	4485.371
#3	2793.921	62715.34	13076.86	1978.336	4498.409

Sample Name: ICB01 Acquired: 12/9/2024 11:54:38 Type: Unk
Method: NON EPA-6010-200.7(v2507) 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	-.000534	-.000921	-.000034	.0010424	.0012444	.0016489	-.000913
Stddev	.002463	.000915	.000744	.0014772	.0010881	.0025269	.000363
%RSD	461.0038	99.41781	2195.314	141.7099	87.43715	153.2431	39.71498
#1	-.003130	-.000279	-.000618	.0025156	.0002911	.0037345	-.001278
#2	-.000243	-.001969	-.000287	-.000439	.0010124	.0023734	-.000910
#3	.001770	-.000515	.000804	.001051	.0024298	-.001161	-.000553
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000047	-.000026	.0044590	.0000759	-.000003	.0005055	-.002728
Stddev	.000016	.000029	.0120818	.0003288	.000108	.0003090	.005243
%RSD	34.35278	112.4337	270.9546	433.4737	4132.459	61.12366	192.1614
#1	-.000038	-.000012	.0174728	-.000242	-.000108	.0003678	.003200
#2	-.000037	-.000059	.0023054	.000414	-.000006	.0008595	-.004631
#3	-.000065	-.000007	-.006401	.000056	.000107	.0002894	-.006754
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001765	-.002809	-.000133	-.000078	-.020592	.0006643	.0010567
Stddev	.0000568	.010358	.000228	.000193	.004719	.0010520	.0001876
%RSD	32.18280	368.7412	171.8040	246.2214	22.91787	158.3731	17.75454
#1	.0001123	.004887	.000079	-.000132	-.024585	.0000281	.0009717
#2	.0002200	-.014585	-.000373	.000136	-.021807	.0000861	.0012718
#3	.0001973	.001272	-.000103	-.000239	-.015384	.0018785	.0009267
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.022108	-.000739	-.000009	-.000007	.0007436	.0128891	-.002975
Stddev	.014398	.000507	.000131	.000493	.0007076	.0023769	.001091
%RSD	65.12549	68.54864	1479.573	7287.694	95.14771	18.44144	36.67252
#1	-.037450	-.001315	.000127	-.000334	.0003063	.0134313	-.002946
#2	-.008891	-.000363	-.000134	-.000246	.0015599	.0102879	-.004080
#3	-.019982	-.000539	-.000020	.000561	.0003646	.0149481	-.001899

Sample Name: ICB01 Acquired: 12/9/2024 11:54:38 Type: Unk
Method: NON EPA-6010-200.7(v2507) 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	.0012160	.0005954	.0001273
Stddev	.0035688	.0003377	.0000281
%RSD	293.4962	56.71085	22.08142

#1	.0053172	.0008129	.0001548
#2	-.000486	.0007669	.0001285
#3	-.001183	.0002064	.0000986

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2834.161	62375.68	12925.90	1948.771	4638.343
Stddev	10.631	155.04	78.31	7.708	13.705
%RSD	.3750962	.2485655	.6058602	.3955162	.2954654

#1	2824.760	62202.15	12890.97	1942.744	4632.453
#2	2845.698	62500.58	12871.13	1946.112	4654.008
#3	2832.026	62424.32	13015.60	1957.456	4628.569

Sample Name: CRI01 Acquired: 12/9/2024 11:59:03 Type: Unk
Method: NON EPA-6010-200.7(v2507) 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	.0199724	.0399818	.0109639	.0184280	.0501635	.1045357	.0964444
Stddev	.0006802	.0013810	.0012658	.0007124	.0012221	.0013781	.0004332
%RSD	3.405745	3.454164	11.54509	3.865774	2.436202	1.318348	.4491881

#1	.0198043	.0383914	.0101296	.0186493	.0488546	.1033292	.0966946
#2	.0193919	.0408777	.0103417	.0176313	.0512747	.1042402	.0966944
#3	.0207208	.0406763	.0124203	.0190035	.0503611	.1060376	.0959442

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060665	.0056507	2.056312	.0098876	.0286113	.0217525	.0935778
Stddev	.0000163	.0000384	.004535	.0000734	.0001272	.0000979	.0035023
%RSD	.2689539	.6793709	.2205403	.7427204	.4446237	.4501629	3.742630

#1	.0060567	.0056675	2.053627	.0099673	.0284902	.0217481	.0958528
#2	.0060853	.0056068	2.061548	.0098226	.0286000	.0216568	.0895448
#3	.0060574	.0056779	2.053760	.0098728	.0287438	.0218525	.0953358

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0205116	2.163057	.0385942	.0097311	1.799110	.0400263	.0421985
Stddev	.0003764	.014569	.0002711	.0002664	.009246	.0023588	.0001955
%RSD	1.835145	.6735231	.7023488	2.737805	.5138985	5.893218	.4631860

#1	.0208596	2.151963	.0383030	.0097431	1.809330	.0427495	.0419920
#2	.0205633	2.179556	.0388392	.0094590	1.791326	.0386160	.0422227
#3	.0201120	2.157652	.0386403	.0099914	1.796675	.0387135	.0423807

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.914610	.1020704	.2038662	.0383287	.0392843	.3209497	.0155329
Stddev	.004374	.0005726	.0001985	.0008825	.0003169	.0062537	.0009654
%RSD	.2284711	.5610044	.0973755	2.302475	.8067193	1.948513	6.215122

#1	1.919586	.1022692	.2036441	.0378244	.0396038	.3278685	.0145150
#2	1.911371	.1025172	.2040264	.0378140	.0389700	.3192810	.0164354
#3	1.912873	.1014249	.2039279	.0393477	.0392791	.3156995	.0156484

Sample Name: CRI01 Acquired: 12/9/2024 11:59:03 Type: Unk
Method: NON EPA-6010-200.7(v2507) 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	.0195610	.0194530	.0206158
Stddev	.0010991	.0008087	.0001329
%RSD	5.618923	4.157345	.6446434
#1	.0201891	.0203736	.0207599
#2	.0182918	.0188569	.0205896
#3	.0202019	.0191284	.0204980

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2832.089	62725.57	13127.72	1953.539	4562.177
Stddev	2.299	125.64	43.55	6.907	3.277
%RSD	.0811846	.2002991	.3317320	.3535709	.0718284
#1	2831.399	62687.36	13108.34	1948.125	4562.418
#2	2834.654	62865.88	13097.22	1961.318	4565.327
#3	2830.213	62623.47	13177.59	1951.175	4558.787

Sample Name: ICSA01 Acquired: 12/9/2024 12:08:04 Type: Unk
Method: NON EPA-6010-200.7(v2510) 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	.0033481	-.003394	.0118878	-.019648	-.000860	255.5691
Stddev	.0023451	.003164	.0024662	.002758	.000379	1.2315
%RSD	70.04088	93.24036	20.74538	14.03901	44.11147	.4818767

#1	.0057248	-.002500	.0132825	-.020052	-.000645	254.3958
#2	.0010360	-.000773	.0133406	-.022182	-.001298	255.4600
#3	.0032836	-.006908	.0090403	-.016710	-.000637	256.8516

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056235	.0014857	.0033288	242.9371	.0564848	.0020437
Stddev	.0002319	.0000481	.0001958	1.0739	.0002556	.0004163
%RSD	4.122899	3.234145	5.883528	.4420484	.4524963	20.37007

#1	.0058619	.0014490	.0031121	241.7403	.0566330	.0019792
#2	.0053988	.0015401	.0033814	243.2544	.0561897	.0016634
#3	.0056099	.0014681	.0034930	243.8167	.0566318	.0024884

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0186767	95.79661	.0043393	265.2900	.0314931	-.004870
Stddev	.0007458	.34217	.0004133	1.2345	.0004510	.000026
%RSD	3.993423	.3571808	9.524200	.4653550	1.432012	.5344510

#1	.0185656	95.95413	.0047480	263.9235	.0313259	-.004841
#2	.0194718	95.40405	.0039216	265.6214	.0311496	-.004877
#3	.0179926	96.03164	.0043482	266.3249	.0320038	-.004892

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0544858	.0095042	.0315228	.0182906	.0400734	-.000617
Stddev	.0103841	.0004188	.0009985	.0075102	.0008777	.000515
%RSD	19.05841	4.406505	3.167581	41.06034	2.190162	83.45074

#1	.0471100	.0091410	.0321957	.0149582	.0401641	-.000724
#2	.0499866	.0099623	.0319971	.0268904	.0391539	-.000057
#3	.0663607	.0094092	.0303755	.0130233	.0409022	-.001069

Sample Name: ICSA01 Acquired: 12/9/2024 12:08:04 Type: Unk
Method: NON EPA-6010-200.7(v2510) 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	-.003283	-.000674	.0093072	.0096471	-.005902	F -.040571
Stddev	.000921	.000695	.0029189	.0028760	.007326	.000835
%RSD	28.06444	103.0937	31.36118	29.81207	124.1288	2.058696
#1	-.002734	.000123	.0126748	.0068227	-.014054	-.040552
#2	-.004346	-.000992	.0077417	.0095466	-.003783	-.041415
#3	-.002767	-.001153	.0075051	.0125721	.000131	-.039745

Elem	Sr4077
Units	ppm
Avg	.0072506
Stddev	.0003141
%RSD	4.332440
#1	.0069746
#2	.0075924
#3	.0071849

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2595.852	56279.27	12467.50	1808.630	3716.455
Stddev	1.835	277.85	31.61	10.656	3.652
%RSD	.0707006	.4936926	.2535231	.5891839	.0982697
#1	2595.938	55958.88	12503.42	1799.965	3712.378
#2	2597.642	56453.96	12455.14	1805.395	3717.560
#3	2593.975	56424.99	12443.94	1820.528	3719.427

Sample Name: ICSAB01 Acquired: 12/9/2024 12:17:13 Type: Unk
Method: NON EPA-6010-200.7(v2511) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1053358	.0817553	.0523552	.0297554	.6220377	253.3224
Stddev	.0042987	.0021211	.0001403	.0035154	.0037409	1.9817
%RSD	4.080913	2.594480	.2679395	11.81438	.6013954	.7823010

#1	.1070457	.0830172	.0524290	.0338135	.6178717	251.0413
#2	.1085163	.0793064	.0524432	.0278098	.6251095	254.3065
#3	.1004453	.0829423	.0521934	.0276429	.6231319	254.6196

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5081463	.5215614	1.004235	239.2778	.5632307	.5066534
Stddev	.0035429	.0005543	.004650	1.0162	.0038234	.0032289
%RSD	.6972169	.1062762	.4630153	.4247070	.6788304	.6373018

#1	.5041536	.5209221	1.003293	238.7431	.5590040	.5048076
#2	.5109145	.5218546	1.000128	238.6406	.5642399	.5047709
#3	.5093709	.5219075	1.009284	240.4498	.5664483	.5103818

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4978987	95.78502	.4938577	259.0970	1.023976	.1946891
Stddev	.0029468	.60485	.0009927	1.2064	.004145	.0004998
%RSD	.5918407	.6314656	.2010011	.4656329	.4048276	.2566950

#1	.4959349	95.46957	.4937302	258.6337	1.021500	.1941273
#2	.4964740	95.40311	.4929350	258.1909	1.021666	.1948559
#3	.5012870	96.48239	.4949080	260.4665	1.028761	.1950842

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059616	.4998665	.9223834	-.036687	F .0361742	F -.000285
Stddev	.0036505	.0038004	.0034601	.025315	.0007795	.000323
%RSD	61.23251	.7602875	.3751265	69.00161	2.154733	112.9874

#1	.0056817	.4958347	.9192825	-.047309	.0366132	-.000023
#2	.0024592	.5003819	.9217519	-.054962	.0352742	-.000188
#3	.0097440	.5033830	.9261157	-.007792	.0366351	-.000646

Sample Name: ICSAB01 Acquired: 12/9/2024 12:17:13 Type: Unk
Method: NON EPA-6010-200.7(v2511) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICAB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.002997	F -.002258	F .0089700	F .0187918	F -.002074	F -.039125
Stddev	.001240	.000417	.0021015	.0020939	.005489	.000547
%RSD	41.38488	18.45798	23.42787	11.14277	264.6307	1.397741
#1	-.004380	-.002717	.0082340	.0208187	.000628	-.038612
#2	-.001985	-.002154	.0113404	.0166367	.001540	-.039062
#3	-.002626	-.001903	.0073355	.0189200	-.008390	-.039700

Elem	Sr4077
Units	ppm
Avg	F .0062936
Stddev	.0007096
%RSD	11.27508
#1	.0059702
#2	.0071073
#3	.0058033

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2498.095	55188.39	12499.39	1735.996	3631.868
Stddev	11.530	132.08	34.94	4.178	10.117
%RSD	.4615658	.2393312	.2795644	.2406702	.2785563
#1	2508.524	55326.61	12491.98	1740.806	3637.923
#2	2500.050	55063.45	12468.74	1733.270	3637.491
#3	2485.713	55175.12	12537.44	1733.911	3620.189

Sample Name: ICSADLX20 Acquired: 12/9/2024 12:21:26 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.002843	-.001568	.0004203	-.000795	.0002412	12.48817	-.000446
Stddev	.004791	.000291	.0005614	.001409	.0011901	.01307	.000248
%RSD	168.5307	18.54057	133.5746	177.3075	493.4815	.1046598	55.74655

#1	-.001296	-.001234	.0010685	.000215	-.000846	12.47477	-.000577
#2	-.008217	-.001760	.0001034	-.002405	.001513	12.48884	-.000159
#3	.000984	-.001711	.0000889	-.000194	.000056	12.50089	-.000601

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001007	-.000071	12.40978	.0028374	-.000049	.0015950	4.779055
Stddev	.0000680	.000085	.06616	.0001716	.000325	.0001096	.026590
%RSD	67.51820	119.8505	.5331474	6.046344	660.0622	6.872663	.5563959

#1	.0000453	-.000016	12.33355	.0030246	.000109	.0015228	4.782825
#2	.0000802	-.000027	12.45231	.0026876	.000166	.0015411	4.750780
#3	.0001765	-.000168	12.44348	.0028001	-.000423	.0017211	4.803559

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003856	12.75468	.0017085	-.000469	-.032659	.0001084	.0077581
Stddev	.0001730	.04718	.0001612	.000183	.007349	.0013299	.0001122
%RSD	44.86493	.3698909	9.437540	39.00972	22.50305	1226.609	1.445575

#1	.0001968	12.70139	.0017524	-.000260	-.035127	-.000525	.0076722
#2	.0004232	12.79111	.0015298	-.000603	-.038457	-.000787	.0078849
#3	.0005366	12.77155	.0018432	-.000543	-.024393	.001637	.0077171

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.057945	-.001148	-.000089	-.000575	.0004500	-.005034	-.000876
Stddev	.028276	.000445	.000153	.000620	.0001992	.001362	.001654
%RSD	48.79887	38.79403	172.4187	107.7147	44.26933	27.05107	188.7261

#1	-.028935	-.001661	-.000184	.000110	.0003877	-.006530	-.002561
#2	-.085426	-.000931	-.000170	-.000741	.0006730	-.003868	.000745
#3	-.059473	-.000853	.000088	-.001096	.0002894	-.004703	-.000814

Sample Name: ICSADLX20 Acquired: 12/9/2024 12:21:26 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0041731	-.001492	.0004242
Stddev	.0014590	.000131	.0000229
%RSD	34.96261	8.757303	5.404232
#1	.0029480	-.001442	.0003979
#2	.0037840	-.001640	.0004346
#3	.0057871	-.001393	.0004401

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2818.337	61956.63	13046.39	1957.645	4440.895
Stddev	9.514	137.51	45.38	8.555	5.346
%RSD	.3375779	.2219472	.3478597	.4370272	.1203919
#1	2807.460	61800.77	13011.84	1948.961	4434.883
#2	2825.112	62060.81	13029.55	1957.910	4442.685
#3	2822.439	62008.32	13097.79	1966.065	4445.117

Sample Name: ICSABDLX20 Acquired: 12/9/2024 12:25:42 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0012958	.0040236	.0034021	.0023174	.0303785	12.37698	.0244594
Stddev	.0009785	.0007394	.0006906	.0007987	.0011000	.01351	.0003957
%RSD	75.51297	18.37673	20.29917	34.46495	3.620921	.1091947	1.617926
#1	.0020431	.0040541	.0028140	.0018211	.0306993	12.36334	.0240366
#2	.0016559	.0047473	.0041625	.0018924	.0291538	12.39037	.0248210
#3	.0001883	.0032695	.0032296	.0032388	.0312824	12.37723	.0245205
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0267536	.0501428	12.32146	.0294705	.0249331	.0271734	4.774819
Stddev	.0001767	.0001911	.03351	.0002990	.0001313	.0006715	.033837
%RSD	.6603637	.3810361	.2719556	1.014574	.5266101	2.471210	.7086599
#1	.0268574	.0499468	12.29515	.0291729	.0247858	.0267027	4.736579
#2	.0265496	.0501531	12.35918	.0297709	.0249758	.0268750	4.786993
#3	.0268538	.0503285	12.31003	.0294676	.0250378	.0279424	4.800885
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0262456	12.59361	.0520833	.0091111	-.032091	.0256672	.0603673
Stddev	.0004454	.04975	.0003361	.0002878	.007507	.0014572	.0006974
%RSD	1.697006	.3950718	.6452460	3.158636	23.39385	5.677442	1.155240
#1	.0258346	12.54618	.0517820	.0090349	-.035940	.0264758	.0607410
#2	.0267189	12.64540	.0520221	.0094293	-.036893	.0239849	.0595627
#3	.0261834	12.58924	.0524458	.0088691	-.023440	.0265409	.0607981
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.059929	-.001803	-.000182	-.000820	.0005145	-.005943	-.000933
Stddev	.011780	.000293	.000142	.000030	.0001993	.004368	.001780
%RSD	19.65676	16.24890	78.15627	3.695075	38.73102	73.49267	190.7754
#1	-.070766	-.002105	-.000029	-.000836	.0005607	-.009514	-.002469
#2	-.047391	-.001783	-.000309	-.000785	.0006867	-.007243	-.001348
#3	-.061632	-.001520	-.000207	-.000839	.0002962	-.001073	.001018

Sample Name: ICSABDLX20 Acquired: 12/9/2024 12:25:42 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0040486	-.000975	.0004179
Stddev	.0010571	.000698	.0000398
%RSD	26.10975	71.67000	9.534987

#1	.0051892	-.001777	.0004373
#2	.0031019	-.000501	.0004443
#3	.0038546	-.000646	.0003721

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2801.217	61581.80	13079.80	1937.815	4418.792
Stddev	7.103	119.69	65.99	12.700	9.312
%RSD	.2535618	.1943639	.5045408	.6553916	.2107357

#1	2808.730	61448.03	13013.59	1925.535	4427.392
#2	2800.310	61618.60	13080.22	1950.897	4420.081
#3	2794.612	61678.78	13145.58	1937.012	4408.903

Sample Name: CCV01 Acquired: 12/9/2024 12:29:57 Type: Unk
Method: NON EPA-6010-200.7(v2508) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.835532	5.076304	4.852588	4.878060	4.891930	9.761322
Stddev	.015118	.039412	.014417	.017553	.022507	.034439
%RSD	.3126441	.7763827	.2971087	.3598310	.4600935	.3528101
#1	4.834024	5.079899	4.844095	4.875229	4.891355	9.749775
#2	4.821224	5.035218	4.844435	4.862095	4.869715	9.800050
#3	4.851348	5.113795	4.869235	4.896857	4.914719	9.734140
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.638312	.2486427	2.433095	24.29016	.9928027	2.416268
Stddev	.081112	.0005032	.007570	.10274	.0024431	.006289
%RSD	.8415554	.2023768	.3111072	.4229884	.2460786	.2602925
#1	9.549730	.2489978	2.428660	24.23254	.9913102	2.412646
#2	9.656259	.2488634	2.428790	24.40878	.9956221	2.412629
#3	9.708948	.2480669	2.441835	24.22916	.9914758	2.423531
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.221091	4.760479	2.386429	24.22546	2.422162	1.227268
Stddev	.004354	.029905	.007960	.07447	.008124	.002132
%RSD	.3565992	.6281974	.3335553	.3074086	.3353928	.1737262
#1	1.218749	4.747539	2.382970	24.15776	2.417724	1.228490
#2	1.218409	4.794675	2.395534	24.30523	2.417225	1.228508
#3	1.226115	4.739222	2.380785	24.21341	2.431539	1.224806
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.99170	2.446467	2.479674	23.95458	4.929151	4.960464
Stddev	.19254	.011359	.002644	.14865	.009329	.019799
%RSD	.8025228	.4643178	.1066145	.6205625	.1892670	.3991383
#1	23.96480	2.439902	2.476660	23.88559	4.937582	4.958047
#2	24.19627	2.459583	2.481605	24.12519	4.930743	4.941984
#3	23.81402	2.439915	2.480755	23.85295	4.919129	4.981360

Sample Name: CCV01 Acquired: 12/9/2024 12:29:57 Type: Unk
Method: NON EPA-6010-200.7(v2508) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.868532	4.824477	F 4.676249	4.935094	4.803482	4.857646
Stddev	.017439	.018822	.044128	.030986	.017572	.034657
%RSD	.3581905	.3901379	.9436560	.6278686	.3658127	.7134454
#1	4.855812	4.818569	4.627235	4.927364	4.795937	4.853649
#2	4.861373	4.845544	4.712816	4.908704	4.790942	4.894128
#3	4.888411	4.809318	4.688695	4.969213	4.823566	4.825161

Elem	Sr4077
Units	ppm
Avg	4.883716
Stddev	.021514
%RSD	.4405178
#1	4.894415
#2	4.897783
#3	4.858951

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2694.313	59021.89	12806.44	1840.149	4073.082
Stddev	9.285	208.63	48.55	6.811	13.147
%RSD	.3446326	.3534871	.3791270	.3701523	.3227845
#1	2695.841	58991.36	12776.97	1839.652	4078.275
#2	2702.741	58830.21	12779.87	1833.600	4082.840
#3	2684.359	59244.11	12862.48	1847.195	4058.131

Sample Name: CCB01 Acquired: 12/9/2024 12:34:09 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.000420	-.001770	.0000077	.0002316	.0007893	-.000408	.0004524
Stddev	.001968	.001738	.0006868	.0004589	.0015071	.006241	.0004158
%RSD	469.1909	98.17951	8910.182	198.1690	190.9402	1529.155	91.91609
#1	.001848	-.003497	.0000996	-.000232	.0024514	-.002134	-.000026
#2	-.001691	-.000022	.0006439	.000240	.0004051	-.005604	.000655
#3	-.001415	-.001790	-.000720	.000686	-.000488	.006514	.000728
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000005	.0000092	-.009204	-.000040	-.000060	-.000030	-.005175
Stddev	.0000107	.0000121	.000597	.000223	.000187	.000206	.003472
%RSD	1973.221	132.1644	6.485340	563.5214	312.5323	693.2415	67.08875
#1	.0000017	.0000207	-.008515	.000217	-.000265	-.000016	-.009153
#2	.0000106	.0000103	-.009554	-.000147	.000103	-.000243	-.002754
#3	-.000011	-.000003	-.009544	-.000188	-.000018	.000169	-.003619
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000561	.0007703	.0000581	-.000378	-.037049	-.000169	-.000159
Stddev	.0001090	.0089304	.0001825	.000055	.006268	.000585	.000308
%RSD	194.3008	1159.376	313.7745	14.55473	16.91876	346.2420	194.3343
#1	.0001324	-.008686	.0001283	-.000319	-.044285	-.000785	-.000508
#2	.0001048	.009060	.0001951	-.000386	-.033269	-.000100	.000076
#3	-.000069	.001937	-.000149	-.000428	-.033593	.000378	-.000044
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.070294	.0050658	.0004476	.0004004	.0005830	-.003844	-.002129
Stddev	.004475	.0005114	.0001087	.0004044	.0004768	.004176	.001169
%RSD	6.365911	10.09426	24.27710	101.0026	81.79167	108.6245	54.90666
#1	-.073127	.0054823	.0003288	-.000045	.0002130	-.002511	-.003200
#2	-.072620	.0044951	.0004719	.000745	.0011211	-.000498	-.002306
#3	-.065136	.0052201	.0005420	.000501	.0004149	-.008524	-.000882

Sample Name: CCB01 Acquired: 12/9/2024 12:34:09 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.000221	.0004554	.0001203
Stddev	.001218	.0002673	.0000384
%RSD	550.5344	58.69477	31.89138

#1	.000530	.0004345	.0001518
#2	-.001626	.0007326	.0001315
#3	.000433	.0001992	.0000776

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2987.528	64389.37	13156.83	2058.887	4836.756
Stddev	9.888	110.55	47.14	7.499	13.207
%RSD	.3309598	.1716873	.3582757	.3642174	.2730455

#1	2976.775	64261.99	13104.99	2050.515	4823.023
#2	2996.227	64460.28	13168.36	2061.161	4849.364
#3	2989.582	64445.84	13197.13	2064.986	4837.882

Sample Name: PB165436BL Acquired: 12/9/2024 12:38:30 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0004539	-.002450	.0000124	-.000748	.0009460	.0019432	.0000125
Stddev	.0021538	.000259	.0007392	.001018	.0005349	.0020115	.0002647
%RSD	474.5024	10.57247	5966.008	136.0322	56.54314	103.5181	2121.853
#1	.0028229	-.002690	.0008634	-.001906	.0004754	.0042243	-.000292
#2	-.001386	-.002485	-.000356	.000006	.0008349	.0004238	.000187
#3	-.000075	-.002175	-.000470	-.000344	.0015277	.0011814	.000143
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000049	-.000015	-.012072	-.000203	-.000148	.0001372	-.001721
Stddev	.000022	.000024	.001219	.000164	.000061	.0002251	.002991
%RSD	45.70589	162.5614	10.09397	80.66769	41.40292	164.0242	173.7981
#1	-.000024	-.000035	-.011952	-.000345	-.000200	.0001803	.001471
#2	-.000066	-.000022	-.013346	-.000024	-.000163	.0003377	-.004459
#3	-.000058	.000012	-.010917	-.000241	-.000081	-.000106	-.002175
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001707	.0013832	.0000649	-.000299	-.039475	.0005474	-.000136
Stddev	.0001461	.0075105	.0000834	.000130	.004294	.0006286	.000079
%RSD	85.54390	542.9915	128.5302	43.28292	10.87797	114.8299	57.97411
#1	.0002766	-.001599	.0000248	-.000449	-.043153	.0012515	-.000062
#2	.0000041	.009927	.0001609	-.000228	-.040517	.0003486	-.000219
#3	.0002315	-.004178	.0000091	-.000221	-.034756	.0000423	-.000126
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.053998	.0006019	.0000013	-.000349	.0000551	-.011050	-.002938
Stddev	.005232	.0009825	.0000883	.000317	.0001034	.005191	.000994
%RSD	9.688445	163.2455	6574.710	90.67660	187.5937	46.97942	33.83021
#1	-.047959	-.000467	-.000098	-.000424	.0000123	-.013941	-.003741
#2	-.056883	.001465	.000070	-.000621	-.000020	-.014153	-.001826
#3	-.057152	.000808	.000032	-.000002	.000173	-.005057	-.003248

Sample Name: PB165436BL Acquired: 12/9/2024 12:38:30 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0014851	-.000346	.0000252
Stddev	.0018250	.000825	.0000214
%RSD	122.8871	238.3365	84.92218
#1	.0018013	-.000822	.0000023
#2	.0031315	-.000822	.0000447
#3	-.000477	.000606	.0000286

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2953.662	64701.85	13093.43	2073.799	4793.322
Stddev	10.974	64.42	7.87	9.181	13.679
%RSD	.3715542	.0995680	.0601110	.4427165	.2853860
#1	2960.394	64774.51	13087.69	2084.391	4804.032
#2	2959.595	64651.73	13102.40	2068.108	4798.021
#3	2940.999	64679.29	13090.19	2068.899	4777.912

Sample Name: PB165436BS Acquired: 12/9/2024 12:42:50 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.7368132	2.059080	.9310746	1.873533	.7535239	1.937580
Stddev	.0017532	.006072	.0015540	.001777	.0021902	.007320
%RSD	.2379490	.2948778	.1668992	.0948588	.2906652	.3777702
#1	.7376630	2.058184	.9298550	1.871482	.7523405	1.933341
#2	.7379796	2.065550	.9305445	1.874600	.7521798	1.933367
#3	.7347970	2.053506	.9328242	1.874518	.7560512	1.946032
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1917188	.2046797	.1869055	1.004727	.3884750	.1894371
Stddev	.0007522	.0006568	.0003861	.009211	.0023677	.0008438
%RSD	.3923331	.3209164	.2066013	.9168104	.6094858	.4454143
#1	.1913242	.2049660	.1866084	1.000170	.3861063	.1887826
#2	.1925862	.2039284	.1867661	.998683	.3884770	.1891394
#3	.1912461	.2051449	.1873420	1.015329	.3908417	.1903894
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2980879	2.753959	.1988317	1.937981	.4754844	.0708377
Stddev	.0004367	.034745	.0013581	.014771	.0012010	.0002707
%RSD	.1464829	1.261652	.6830602	.7621839	.2525833	.3821023
#1	.2976483	2.719939	.1978202	1.943639	.4747336	.0705397
#2	.2985215	2.752552	.1982995	1.921217	.4748502	.0710683
#3	.2980938	2.789387	.2003753	1.949086	.4768696	.0709051
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 2.580436	.2931682	.1977132	8.832901	.2973489	.3935685
Stddev	.023786	.0035692	.0004104	.101319	.0023611	.0011715
%RSD	.9217995	1.217449	.2075939	1.147064	.7940335	.2976566
#1	2.554341	.2894087	.1973083	8.718301	.2993520	.3925199
#2	2.586065	.2935854	.1981289	8.869811	.2947457	.3933527
#3	2.600904	.2965104	.1977024	8.910591	.2979489	.3948328

Sample Name: PB165436BS Acquired: 12/9/2024 12:42:50 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.6572290	.1914339	F .6136545	5.367966	F -.003237	.1997635
Stddev	.0017864	.0009632	.0101570	.016686	.001578	.0002893
%RSD	.2718110	.5031714	1.655166	.3108489	48.73647	.1448308
#1	.6569971	.1906500	.6022452	5.386513	-.004395	.1999900
#2	.6555698	.1911426	.6170065	5.354173	-.003877	.1994376
#3	.6591200	.1925092	.6217118	5.363210	-.001440	.1998630

Elem	Sr4077
Units	ppm
Avg	.1981045
Stddev	.0003678
%RSD	.1856793
#1	.1976906
#2	.1982286
#3	.1983942

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2871.803	63336.67	12831.53	2013.776	4552.901
Stddev	3.935	150.69	52.82	11.914	7.957
%RSD	.1370102	.2379124	.4116791	.5916088	.1747579
#1	2872.346	63451.72	12775.54	2017.558	4552.082
#2	2875.438	63392.20	12880.49	2000.430	4561.235
#3	2867.625	63166.10	12838.54	2023.339	4545.385

Sample Name: PB165287BL Acquired: 12/9/2024 12:46:50 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.001611	-.000739	-.000468	-.001864	.0008800	.0004227	-.000992
Stddev	.001168	.000365	.000099	.001503	.0013398	.0057078	.000311
%RSD	72.48005	49.31566	21.07118	80.62785	152.2493	1350.236	31.36219
#1	-.002791	-.000425	-.000358	-.002963	.0002947	-.001309	-.001170
#2	-.000455	-.000654	-.000549	-.000151	.0024128	-.004219	-.001174
#3	-.001588	-.001139	-.000497	-.002479	-.000068	.006796	-.000633
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000030	-.000039	-.009148	-.000001	.0000343	.0000486	-.004094
Stddev	.000048	.000041	.003967	.000027	.0000787	.0002484	.000725
%RSD	161.0928	104.6845	43.36225	1859.753	229.3614	511.7220	17.71984
#1	-.000062	-.000030	-.013563	.000020	.0000021	.0001495	-.003406
#2	-.000052	-.000004	-.005883	-.000032	.0001241	.0002306	-.004852
#3	.000025	-.000085	-.007998	.000008	-.000023	-.000234	-.004023
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002904	.0021389	-.000208	-.000335	-.039406	.0005923	-.000155
Stddev	.0000301	.0045051	.000114	.000142	.012327	.0001183	.000275
%RSD	10.37696	210.6261	55.04491	42.33531	31.28291	19.96542	177.3833
#1	.0002777	.0058234	-.000105	-.000252	-.045201	.0006129	-.000313
#2	.0003249	.0034771	-.000187	-.000254	-.047767	.0004651	.000162
#3	.0002688	-.002884	-.000331	-.000499	-.025249	.0006989	-.000313
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.043805	-.000968	-.000148	.0001422	.0002941	-.010684	-.002205
Stddev	.011043	.000291	.000134	.0004826	.0000860	.002789	.000337
%RSD	25.20891	30.03281	90.59021	339.3235	29.25246	26.10775	15.29956
#1	-.037247	-.000647	-.000260	.0001994	.0003892	-.011988	-.002278
#2	-.037613	-.001045	-.000185	-.000366	.0002216	-.012582	-.001837
#3	-.056554	-.001214	.000001	.000594	.0002716	-.007481	-.002499

Sample Name: PB165287BL Acquired: 12/9/2024 12:46:50 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0022200	-.000288	.0000219
Stddev	.0006833	.000295	.0000201
%RSD	30.77709	102.3161	91.76533

#1	.0022051	-.000239	.0000378
#2	.0015443	-.000021	-.000001
#3	.0029106	-.000605	.000029

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2877.187	63390.94	13050.56	2001.299	4703.188
Stddev	11.353	231.80	33.96	18.517	16.013
%RSD	.3945985	.3656710	.2601912	.9252415	.3404616

#1	2885.617	63157.06	13015.71	1980.472	4709.663
#2	2881.667	63395.16	13052.41	2007.526	4714.948
#3	2864.277	63620.60	13083.55	2015.901	4684.951

Sample Name: PB165287BS Acquired: 12/9/2024 12:51:11 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.7365068	2.073346	.9293406	1.877296	.7532062	1.965584
Stddev	.0027226	.014859	.0052372	.009375	.0055535	.011902
%RSD	.3696585	.7166596	.5635422	.4993790	.7373114	.6054970

#1	.7392251	2.077707	.9296759	1.877333	.7545153	1.958418
#2	.7337799	2.056795	.9239437	1.867903	.7471151	1.979323
#3	.7365154	2.085537	.9344021	1.886652	.7579881	1.959011

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1920135	.2059565	.1870069	1.010471	.3929550	.1891182
Stddev	.0010908	.0007521	.0010244	.005393	.0010894	.0008265
%RSD	.5680735	.3651650	.5477697	.5337310	.2772228	.4370267

#1	.1912036	.2052457	.1866271	1.005313	.3922355	.1887443
#2	.1932538	.2067440	.1862267	1.010028	.3942083	.1885447
#3	.1915831	.2058799	.1881669	1.016072	.3924212	.1900656

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2971319	2.787135	.1990184	1.958526	.4752928	.0717665
Stddev	.0011921	.017263	.0010125	.013814	.0025652	.0003909
%RSD	.4012067	.6193877	.5087282	.7053273	.5396998	.5446694

#1	.2975974	2.767334	.1978759	1.944582	.4731205	.0719889
#2	.2957773	2.795053	.1998045	1.972207	.4746352	.0719954
#3	.2980211	2.799020	.1993747	1.958789	.4781227	.0713151

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.592704	.2970121	.2007023	8.935552	.2970664	.3929090
Stddev	.020055	.0022301	.0009140	.051259	.0023041	.0013634
%RSD	.7735281	.7508453	.4554087	.5736508	.7756190	.3469976

#1	2.575700	.2944748	.2011746	8.886581	.2949575	.3934428
#2	2.614821	.2986614	.2012836	8.988828	.2995256	.3913595
#3	2.587591	.2979000	.1996488	8.931247	.2967163	.3939247

Sample Name: PB165287BS Acquired: 12/9/2024 12:51:11 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.6582632	.1931004	F .6261072	5.334494	F -.008704	.2014375
Stddev	.0024576	.0007004	.0030013	.029921	.004121	.0019205
%RSD	.3733468	.3626935	.4793664	.5608993	47.34915	.9534013
#1	.6577069	.1924022	.6227212	5.330788	-.013418	.2004026
#2	.6561313	.1938029	.6271608	5.306598	-.005781	.2036535
#3	.6609512	.1930961	.6284398	5.366095	-.006913	.2002564

Elem	Sr4077
Units	ppm
Avg	.1999055
Stddev	.0011224
%RSD	.5614525
#1	.1991155
#2	.2011902
#3	.1994107

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2884.582	62881.28	12773.30	1966.504	4575.977
Stddev	8.398	184.16	47.92	10.232	10.453
%RSD	.2911359	.2928753	.3751334	.5202952	.2284271
#1	2878.772	62833.27	12755.60	1955.363	4576.224
#2	2894.211	62725.87	12736.75	1968.669	4586.304
#3	2880.763	63084.69	12827.55	1975.479	4565.403

Sample Name: PB165390TB Acquired: 12/9/2024 12:55:12 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.000904	-.000284	-.000605	.0002211	-.000522	-.006272
Stddev	.001767	.001386	.000147	.0002468	.000904	.000379
%RSD	195.4552	488.2788	24.31159	111.6091	173.1559	6.034941
#1	-.000699	-.001831	-.000438	.0001078	-.001085	-.005886
#2	.000751	.000845	-.000716	.0005043	-.001001	-.006643
#3	-.002766	.000134	-.000659	.0000514	.000520	-.006287
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001058	-.000005	-.000106	-.016415	-.000121	.0000532
Stddev	.0006187	.000053	.000005	.003582	.000028	.0000682
%RSD	584.5977	1104.405	4.883711	21.82321	23.17581	128.1595
#1	.0004540	.000053	-.000110	-.013037	-.000124	-.000025
#2	.0004720	-.000051	-.000107	-.020171	-.000148	.000086
#3	-.000609	-.000016	-.000100	-.016035	-.000092	.000099
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000054	-.004266	.0020927	-.009389	.0006218	-.000566
Stddev	.000351	.002422	.0001784	.004145	.0004195	.000130
%RSD	648.2788	56.77308	8.525695	44.14468	67.46759	23.03895
#1	.000348	-.001981	.0022227	-.014089	.0010702	-.000635
#2	-.000212	-.004013	.0018893	-.007820	.0005560	-.000648
#3	-.000298	-.006804	.0021660	-.006258	.0002390	-.000416
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 318.8705	.0004444	.0010164	-.007952	-.003230	-.000317
Stddev	1.0211	.0007100	.0000357	.010147	.000315	.000104
%RSD	.3202319	159.7378	3.514942	127.6049	9.764607	32.85476
#1	317.9621	.0006065	.0009761	-.002275	-.003387	-.000384
#2	319.9757	-.000333	.0010287	-.019667	-.002867	-.000371
#3	318.6737	.001059	.0010443	-.001914	-.003436	-.000197

Sample Name: PB165390TB Acquired: 12/9/2024 12:55:12 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.001124	.0006494	-.019250	.0023705	F .0346733	-.002430
Stddev	.001294	.0004239	.002950	.0026534	.0013376	.000728
%RSD	115.0998	65.28301	15.32603	111.9355	3.857752	29.94510
#1	-.002512	.0003288	-.015909	.0051688	.0346658	-.002503
#2	-.000910	.0004893	-.020341	-.000109	.0360147	-.003118
#3	.000049	.0011300	-.021499	.002052	.0333395	-.001668

Elem	Sr4077
Units	ppm
Avg	-.000111
Stddev	.000041
%RSD	36.64994
#1	-.000081
#2	-.000157
#3	-.000095

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2714.804	60555.03	13429.80	1956.118	4069.317
Stddev	25.729	51.59	80.42	3.724	29.246
%RSD	.9477172	.0851924	.5988450	.1903836	.7187006
#1	2739.736	60528.90	13477.48	1960.358	4098.241
#2	2688.347	60614.46	13336.94	1953.378	4039.759
#3	2716.329	60521.74	13474.96	1954.617	4069.951

Sample Name: PB165392TB Acquired: 12/9/2024 12:59:41 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.003392	-.000768	-.000471	.0015214	-.004019	-.004158
Stddev	.002896	.000693	.000633	.0009723	.000755	.000478
%RSD	85.36494	90.32012	134.5838	63.90573	18.78146	11.50286

#1	-.000759	-.000727	-.001141	.0012859	-.004866	-.004694
#2	-.006494	-.001481	.000119	.0025897	-.003419	-.004009
#3	-.002924	-.000096	-.000390	.0006885	-.003770	-.003773

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001910	.0000520	-.000183	-.021855	-.000212	-.000187
Stddev	.002102	.0000400	.000030	.002020	.000098	.000013
%RSD	110.0254	76.84265	16.57980	9.242582	46.40103	7.117897

#1	.000139	.0000695	-.000148	-.022860	-.000294	-.000201
#2	-.001809	.0000803	-.000196	-.019530	-.000240	-.000175
#3	-.004061	.0000063	-.000205	-.023176	-.000103	-.000184

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000299	-.004095	.0017818	-.001862	.0005680	-.000109
Stddev	.000451	.003942	.0001141	.006481	.0002555	.000451
%RSD	150.9380	96.25757	6.404005	348.1093	44.98929	415.3558

#1	-.000383	-.001417	.0018162	.001274	.0006045	-.000600
#2	-.000701	-.002247	.0016545	-.009314	.0002961	-.000014
#3	.000188	-.008621	.0018748	.002455	.0008032	.000288

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 332.5079	.0006513	.0004817	.0076418	-.004505	-.000324
Stddev	7.3145	.0006485	.0001223	.0216843	.000632	.000138
%RSD	2.199812	99.57313	25.39587	283.7604	14.03475	42.46033

#1	324.0918	.0008469	.0003881	.0049858	-.003782	-.000390
#2	336.0994	.0011794	.0004369	.0305317	-.004780	-.000166
#3	337.3324	-.000073	.0006201	-.012592	-.004954	-.000416

Sample Name: PB165392TB Acquired: 12/9/2024 12:59:41 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.001146	.0003778	-.019487	.0065721	F .0299360	-.002449
Stddev	.000182	.0004388	.003203	.0011587	.0012000	.000519
%RSD	15.85373	116.1312	16.43640	17.63128	4.008478	21.19113
#1	-.001005	.0005279	-.017718	.0059381	.0306585	-.002021
#2	-.001351	-.000116	-.017560	.0058686	.0285508	-.002299
#3	-.001081	.000722	-.023185	.0079095	.0305986	-.003026

Elem	Sr4077
Units	ppm
Avg	-.000147
Stddev	.000025
%RSD	16.94979
#1	-.000138
#2	-.000174
#3	-.000127

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2262.986	58727.95	13437.82	1777.239	3679.751
Stddev	199.682	179.86	241.14	42.318	178.296
%RSD	8.823817	.3062551	1.794470	2.381116	4.845331
#1	2461.000	58928.31	13215.81	1824.421	3852.422
#2	2266.280	58580.44	13403.28	1764.657	3690.514
#3	2061.678	58675.10	13694.36	1742.639	3496.317

Sample Name: P5100-04 Acquired: 12/9/2024 13:04:10 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.002049	.0014957	.0001571	.0004130	.0000456	-.004809	-.005764
Stddev	.000989	.0012294	.0002076	.0009929	.0012775	.003956	.000391
%RSD	48.28099	82.19705	132.1877	240.4395	2804.068	82.26557	6.788219

#1	-.002328	.0004356	.0000790	.0009881	.0014896	-.000268	-.006214
#2	-.000950	.0028434	-.000000	-.000734	-.000937	-.006650	-.005508
#3	-.002868	.0012080	.000392	.000984	-.000416	-.007510	-.005568

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000182	-.000150	.2548822	.0016812	-.000119	.0120933	.0239202
Stddev	.000039	.000059	.0070592	.0002016	.000119	.0002159	.0035520
%RSD	21.31207	39.26482	2.769590	11.99282	99.55423	1.785149	14.84917

#1	-.000224	-.000207	.2518868	.0016347	-.000201	.0121092	.0208960
#2	-.000177	-.000153	.2498146	.0015069	.000017	.0118700	.0230330
#3	-.000147	-.000090	.2629452	.0019020	-.000173	.0123009	.0278317

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000009	.1645629	.0003789	.0004071	-.084596	-.001310	.2949841
Stddev	.000193	.0059591	.0001866	.0002312	.001319	.000224	.0022404
%RSD	2210.284	3.621144	49.23516	56.78505	1.559196	17.13312	.7595047

#1	-.000229	.1591148	.0002136	.0005248	-.084438	-.001567	.2924093
#2	.000127	.1636471	.0005812	.0005557	-.085986	-.001154	.2964889
#3	.000076	.1709269	.0003419	.0001408	-.083363	-.001208	.2960540

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.050229	.5406719	.4474061	-.001391	.0006280	.3485833	.9081094
Stddev	.016525	.0015822	.0034142	.000520	.0002446	.0088045	.0058420
%RSD	32.89898	.2926439	.7631072	37.39611	38.95739	2.525794	.6433201

#1	-.032364	.5389907	.4441931	-.000801	.0004854	.3384385	.9053055
#2	-.064967	.5408931	.4470340	-.001588	.0009105	.3542308	.9041979
#3	-.053357	.5421319	.4509911	-.001783	.0004881	.3530807	.9148249

Sample Name: P5100-04 Acquired: 12/9/2024 13:04:10 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	1.200042	-.002237	-.000056
Stddev	.014767	.000457	.000034
%RSD	1.230565	20.44289	59.94463
#1	1.189519	-.002627	-.000064
#2	1.193683	-.001734	-.000085
#3	1.216923	-.002351	-.000019

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2706.803	64372.17	14242.66	1912.468	4598.896
Stddev	23.886	318.01	67.77	12.029	38.135
%RSD	.8824554	.4940227	.4758528	.6289569	.8292227
#1	2728.107	64688.30	14304.97	1926.268	4629.416
#2	2711.321	64375.92	14252.52	1906.929	4611.125
#3	2680.980	64052.31	14170.50	1904.207	4556.146

Sample Name: P5100-03 Acquired: 12/9/2024 13:08:26 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0024801	.0037484	.0682521	.0006201	.0030037	.1212116	.1785793
Stddev	.0038351	.0004935	.0010276	.0009685	.0003402	.0021421	.0014271
%RSD	154.6323	13.16472	1.505652	156.1793	11.32477	1.767270	.7991432
#1	.0004207	.0040545	.0679010	.0014305	.0027794	.1236714	.1780367
#2	.0069050	.0031791	.0694093	-.000452	.0028366	.1202071	.1801981
#3	.0001147	.0040115	.0674461	.000882	.0033951	.1197562	.1775030
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001623	.0003125	7.064242	.0036841	.0024806	.0112405	2.642658
Stddev	.0000105	.0000200	.026746	.0002987	.0001539	.0003042	.012960
%RSD	6.470139	6.405034	.3786115	8.106918	6.203985	2.706142	.4904169
#1	.0001621	.0003262	7.061943	.0033639	.0026214	.0110002	2.631308
#2	.0001519	.0003219	7.092064	.0039552	.0023163	.0111388	2.656780
#3	.0001729	.0002896	7.038720	.0037331	.0025040	.0115825	2.639888
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1192150	3.002211	.0059443	-.000410	140.9400	.0048791	.5761003
Stddev	.0002948	.008233	.0002155	.000154	1.8814	.0007282	.0051227
%RSD	.2472914	.2742456	3.625592	37.58086	1.334870	14.92526	.8891979
#1	.1190308	3.010537	.0057067	-.000294	138.9036	.0040383	.5733097
#2	.1195550	2.994073	.0061271	-.000352	142.6134	.0052996	.5820124
#3	.1190592	3.002023	.0059992	-.000585	141.3032	.0052996	.5729788
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.64896	.1019450	.0035244	.0005063	.0077883	1.713241	1.341492
Stddev	.10086	.0007384	.0001567	.0006413	.0004043	.008972	.004662
%RSD	.9471101	.7243087	4.447373	126.6803	5.190911	.5236725	.3474881
#1	10.57225	.1025349	.0033454	.0012206	.0077828	1.707316	1.346128
#2	10.76320	.1011169	.0036371	.0003183	.0081953	1.723563	1.336806
#3	10.61143	.1021832	.0035907	-.000020	.0073868	1.708844	1.341541

Sample Name: P5100-03 Acquired: 12/9/2024 13:08:26 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	6.797321	.0025812	.0374920
Stddev	.026656	.0003009	.0002320
%RSD	.3921616	11.65682	.6187691
#1	6.824961	.0023003	.0374416
#2	6.771772	.0028987	.0377450
#3	6.795231	.0025446	.0372893

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2611.542	59837.43	13841.27	1825.116	4092.362
Stddev	24.210	281.38	48.51	13.767	35.356
%RSD	.9270217	.4702467	.3504771	.7543102	.8639522
#1	2628.769	60107.82	13893.34	1836.792	4118.856
#2	2621.994	59546.21	13797.35	1809.935	4106.016
#3	2583.862	59858.27	13833.12	1828.621	4052.215

Sample Name: P5103-01 Acquired: 12/9/2024 13:12:48 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.006228	-.002919	.0006697	.0049654	.0010627	.0065708	-.006364
Stddev	.004523	.000614	.0002124	.0014698	.0006470	.0041260	.000525
%RSD	72.62340	21.05274	31.71572	29.60169	60.88213	62.79206	8.243755

#1	-.007039	-.003615	.0004254	.0065509	.0004384	.0020970	-.006079
#2	-.001355	-.002453	.0008103	.0046971	.0017302	.0073894	-.006044
#3	-.010292	-.002689	.0007733	.0036482	.0010194	.0102262	-.006970

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000127	-.000042	5.086674	.0007067	-.000180	.0436942	.1163028
Stddev	.000032	.000051	.044834	.0001302	.000051	.0001670	.0009628
%RSD	25.37394	121.0793	.8814089	18.42099	28.14825	.3821562	.8278744

#1	-.000094	-.000089	5.072453	.0007230	-.000234	.0435177	.1172441
#2	-.000128	.000012	5.136894	.0008280	-.000174	.0437151	.1153198
#3	-.000158	-.000049	5.050675	.0005692	-.000133	.0438497	.1163446

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0850251	.0708867	.0020118	-.000022	.9465794	-.000225	.4252361
Stddev	.0005522	.0087326	.0001795	.000154	.0040132	.000590	.0002849
%RSD	.6494365	12.31907	8.921137	708.7446	.4239653	262.0731	.0669973

#1	.0845391	.0663868	.0019600	-.000164	.9493644	.000389	.4255593
#2	.0856255	.0809515	.0022115	.000143	.9483944	-.000786	.4251277
#3	.0849108	.0653219	.0018639	-.000044	.9419793	-.000278	.4250214

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1615551	.0314901	.0388507	.0004268	.0005658	.0002742	.4635455
Stddev	.0148435	.0002053	.0001298	.0007335	.0006176	.0033667	.0023515
%RSD	9.187874	.6520460	.3341634	171.8735	109.1473	1228.065	.5072868

#1	.1601980	.0315883	.0388446	-.000405	.0000814	.0040260	.4612427
#2	.1770305	.0316279	.0387241	.000983	.0012612	-.002483	.4659429
#3	.1474368	.0312541	.0389835	.000702	.0003548	-.000720	.4634510

Sample Name: P5103-01 Acquired: 12/9/2024 13:12:48 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	1.756785	-.001091	.0018753
Stddev	.011341	.000179	.0000513
%RSD	.6455716	16.44895	2.736649
#1	1.744844	-.001246	.0019133
#2	1.758098	-.001132	.0018955
#3	1.767412	-.000895	.0018169

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2658.157	62635.24	14198.90	1814.412	4563.036
Stddev	5.049	89.65	75.31	7.592	10.877
%RSD	.1899480	.1431298	.5304140	.4184518	.2383768
#1	2662.992	62721.28	14161.69	1808.333	4570.202
#2	2658.562	62542.37	14149.43	1811.981	4568.386
#3	2652.918	62642.08	14285.57	1822.922	4550.520

Sample Name: P5103-02DLX5 Acquired: 12/9/2024 13:17:06 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0247481	.0853439	.0018206	.0454092	.0121258	.0065401	-.000901
Stddev	.0030346	.0005530	.0004125	.0006005	.0009547	.0033030	.000300
%RSD	12.26197	.6479740	22.65605	1.322498	7.873059	50.50339	33.32128

#1	.0245683	.0847751	.0016618	.0454793	.0129697	.0028532	-.001193
#2	.0218074	.0858796	.0015111	.0459716	.0110896	.0075382	-.000593
#3	.0278686	.0853769	.0022888	.0447767	.0123181	.0092290	-.000916

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001746	-.000486	.0855510	.0005282	-.002726	.0068125	-.005403
Stddev	.000057	.000024	.0054318	.0000982	.000027	.0000906	.003731
%RSD	3.252247	4.909351	6.349210	18.58488	.9828769	1.329533	69.06220

#1	-.001803	-.000502	.0797353	.0005212	-.002719	.0068575	-.002214
#2	-.001748	-.000497	.0904930	.0006296	-.002756	.0067083	-.004488
#3	-.001689	-.000458	.0864246	.0004337	-.002704	.0068718	-.009506

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028437	.0273407	.0005389	.0003052	56.56585	-.030540	.0120223
Stddev	.0001262	.0051040	.0001043	.0004688	.19670	.000902	.0001763
%RSD	4.439005	18.66805	19.35334	153.6051	.3477287	2.953626	1.466708

#1	.0029055	.0321246	.0004204	-.000155	56.79280	-.031132	.0119316
#2	.0026984	.0279297	.0006166	.000289	56.44461	-.030987	.0119099
#3	.0029270	.0219678	.0005797	.000782	56.46015	-.029502	.0122256

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	186.5706	.0566689	8.919750	.0117990	.0005131	1.107650	.4746752
Stddev	.0875	.0003720	.025513	.0004273	.0000978	.007036	.0011283
%RSD	.0468884	.6564096	.2860249	3.621595	19.05940	.6351992	.2376900

#1	186.6382	.0570736	8.942890	.0113653	.0004017	1.103301	.4733740
#2	186.4718	.0563418	8.892390	.0118122	.0005530	1.115767	.4753820
#3	186.6019	.0565915	8.923969	.0122196	.0005847	1.103882	.4752695

Sample Name: P5103-02DLX5 Acquired: 12/9/2024 13:17:06 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.8818557	.0049435	.0042286
Stddev	.0049638	.0004697	.0000250
%RSD	.5628846	9.500910	.5901283
#1	.8846826	.0044293	.0042254
#2	.8761241	.0050515	.0042551
#3	.8847604	.0053498	.0042055

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2581.436	59652.93	13993.20	1759.901	4298.064
Stddev	11.669	314.14	74.32	9.160	14.856
%RSD	.4520187	.5266104	.5311320	.5204943	.3456521
#1	2576.434	59371.56	13940.84	1749.407	4293.204
#2	2594.772	59595.35	13960.49	1764.004	4314.741
#3	2573.102	59991.87	14078.26	1766.293	4286.246

Sample Name: CCV02 Acquired: 12/9/2024 13:30:53 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	5.086063	5.207744	4.854195	5.242911	5.205421	9.928373	9.937925
Stddev	.021425	.030034	.012451	.028953	.018653	.051164	.057147
%RSD	.4212422	.5767208	.2564946	.5522279	.3583405	.5153283	.5750352
#1	5.070104	5.181247	4.847696	5.233490	5.197381	9.870981	9.999417
#2	5.077673	5.201614	4.846339	5.219842	5.192136	9.944933	9.927909
#3	5.110413	5.240370	4.868551	5.275401	5.226746	9.969206	9.886448
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2336174	2.431004	23.55020	.9840748	2.433660	1.283670	4.888192
Stddev	.0006587	.006162	.05573	.0009507	.006157	.003831	.014664
%RSD	.2819700	.2534617	.2366376	.0966092	.2529939	.2984759	.2999958
#1	.2330042	2.429233	23.50589	.9846793	2.434146	1.281848	4.873043
#2	.2343138	2.425922	23.61277	.9829789	2.427275	1.281090	4.902319
#3	.2335342	2.437857	23.53195	.9845661	2.439560	1.288072	4.889213
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.345542	23.41029	2.434303	1.244166	25.57811	2.425530	2.538280
Stddev	.001388	.06470	.005887	.001192	.05139	.009658	.005590
%RSD	.0591585	.2763851	.2418405	.0958249	.2009254	.3981843	.2202271
#1	2.344279	23.33566	2.432426	1.245421	25.61800	2.416092	2.542229
#2	2.347027	23.45069	2.429583	1.244028	25.59622	2.435394	2.540728
#3	2.345321	23.44451	2.440900	1.243048	25.52012	2.425105	2.531884
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.78157	4.737605	5.193822	4.844177	4.857275	4.915799	4.724775
Stddev	.01992	.007655	.019991	.005335	.014862	.051429	.012326
%RSD	.0772626	.1615699	.3849000	.1101285	.3059664	1.046205	.2608779
#1	25.75930	4.730058	5.176143	4.839324	4.840140	4.862482	4.723210
#2	25.79768	4.745363	5.189806	4.843317	4.866645	4.919810	4.713307
#3	25.78773	4.737393	5.215515	4.849889	4.865042	4.965106	4.737809

Sample Name: CCV02 Acquired: 12/9/2024 13:30:53 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	4.866317	5.030139	4.980004
Stddev	.012378	.009633	.027141
%RSD	.2543510	.1915141	.5450038
#1	4.855758	5.019433	4.962027
#2	4.863255	5.038107	5.011225
#3	4.879938	5.032877	4.966760

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2549.706	58507.42	13411.80	1748.794	3956.434
Stddev	6.552	76.02	11.05	7.898	11.777
%RSD	.2569668	.1299314	.0823624	.4516472	.2976714
#1	2549.460	58420.49	13412.79	1739.782	3949.456
#2	2556.377	58561.46	13400.30	1754.517	3970.032
#3	2543.280	58540.30	13422.32	1752.081	3949.815

Sample Name: CCB02 Acquired: 12/9/2024 13:35:04 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.002320	-.000406	.0003370	.0002866	.0027721	-.000111	-.005320
Stddev	.002638	.002084	.0008916	.0030610	.0010539	.001954	.000362
%RSD	113.6893	513.3847	264.6131	1067.975	38.01674	1760.150	6.796625

#1	-.003752	.000886	.0006723	.0000254	.0033955	-.002309	-.005665
#2	.000724	.000706	-.000674	.0034698	.0015554	.000547	-.005351
#3	-.003933	-.002810	.001012	-.002635	.0033655	.001429	-.004944

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000010	.0000285	-.005016	.0002530	.0000661	.0002956	.0010560
Stddev	.000071	.0000485	.002009	.0002669	.0000586	.0001608	.0013259
%RSD	708.6411	169.8701	40.04953	105.5185	88.62435	54.38536	125.5588

#1	-.000073	.0000540	-.004312	.0002522	.0000007	.0003327	.0025300
#2	.000067	-.000027	-.003454	-.000014	.0001138	.0004346	.0006773
#3	-.000024	.000059	-.007282	.000520	.0000838	.0001195	-.000039

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002779	.0003816	.0001357	-.000480	-.014785	-.000874	.0008242
Stddev	.0001131	.0161733	.0001276	.000243	.012371	.000966	.0002698
%RSD	40.69492	4238.570	94.01236	50.53760	83.66978	110.4547	32.72788

#1	.0002305	.0172839	.0000076	-.000253	-.024973	.000151	.0011141
#2	.0004069	-.014948	.0001366	-.000736	-.018362	-.001007	.0005805
#3	.0001962	-.001191	.0002628	-.000452	-.001020	-.001766	.0007781

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118295	.0100374	.0009225	.0008629	.0009861	-.010599	.0013860
Stddev	.0153761	.0006310	.0003861	.0005321	.0001169	.002319	.0016952
%RSD	129.9806	6.285979	41.85880	61.66419	11.85498	21.87827	122.3085

#1	-.002481	.0107515	.0013097	.0009680	.0011148	-.013169	.0002841
#2	.028086	.0095552	.0009203	.0002861	.0009573	-.009962	.0005359
#3	.009884	.0098055	.0005374	.0013347	.0008863	-.008665	.0033381

Sample Name: CCB02 Acquired: 12/9/2024 13:35:04 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0032740	.0009187	.0004024
Stddev	.0011952	.0009596	.0000831
%RSD	36.50652	104.4497	20.64351

#1	.0045813	-.000119	.0004801
#2	.0030034	.001773	.0004122
#3	.0022372	.001102	.0003149

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2777.200	62219.41	13578.70	1891.802	4589.416
Stddev	6.962	180.59	86.35	2.284	13.316
%RSD	.2506969	.2902445	.6359011	.1207393	.2901537

#1	2769.332	62024.73	13531.73	1889.185	4574.876
#2	2782.562	62381.45	13526.03	1892.825	4601.018
#3	2779.707	62252.05	13678.35	1893.396	4592.354

Sample Name: PB165416BL Acquired: 12/9/2024 13:39:40 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.001122	-.000716	-.000419	-.000871	.0005028	-.001959	-.004653
Stddev	.001576	.001219	.000216	.000829	.0007488	.004538	.000429
%RSD	140.5284	170.2296	51.46238	95.15984	148.9345	231.7222	9.228099
#1	-.002886	-.000575	-.000173	-.001153	-.000071	-.005915	-.004188
#2	-.000627	-.002000	-.000507	-.001523	.001350	-.002956	-.004736
#3	.000148	.000426	-.000577	.000062	.000230	.002996	-.005035
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000034	-.000078	-.006106	.0002114	.0000117	-.000082	-.003933
Stddev	.000032	.000051	.000966	.0001817	.0002760	.000144	.001368
%RSD	94.72409	66.19460	15.82790	85.91002	2358.048	175.7856	34.78706
#1	-.000035	-.000095	-.007162	.0003968	-.000193	.000058	-.002706
#2	-.000065	-.000020	-.005267	.0000337	-.000097	-.000075	-.005408
#3	-.000001	-.000118	-.005888	.0002039	.000326	-.000229	-.003684
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000030	.0018088	-.000169	-.000601	-.010603	.0004408	.0004384
Stddev	.000246	.0035660	.000091	.000144	.002857	.0008042	.0003036
%RSD	832.5771	197.1523	54.08445	23.96800	26.94603	182.4364	69.25810
#1	-.000103	-.001039	-.000096	-.000573	-.012865	.0013067	.0001059
#2	.000245	.000656	-.000271	-.000758	-.007392	-.000283	.0005083
#3	-.000230	.005809	-.000139	-.000474	-.011552	.000298	.0007009
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.020998	.0035207	.0001890	.0005612	.0003664	-.015991	.0019007
Stddev	.009958	.0002988	.0001298	.0006717	.0003111	.003973	.0019499
%RSD	47.42058	8.486942	68.69090	119.6799	84.91481	24.84781	102.5920
#1	-.032249	.0038645	.0003043	.0012702	.0004450	-.011579	.0002625
#2	-.013321	.0033234	.0000484	.0004789	.0006306	-.017107	.0040575
#3	-.017425	.0033743	.0002144	-.000066	.0000235	-.019286	.0013820

Sample Name: PB165416BL Acquired: 12/9/2024 13:39:40 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0028794	-.000279	.0000439
Stddev	.0034612	.000318	.0000196
%RSD	120.2076	114.3201	44.71163
#1	.0039690	.000084	.0000228
#2	.0056647	-.000409	.0000615
#3	-.000996	-.000511	.0000473

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2791.765	62956.36	13482.54	1930.137	4599.224
Stddev	10.191	107.77	33.90	6.918	18.906
%RSD	.3650536	.1711799	.2514012	.3584230	.4110800
#1	2787.697	62888.82	13451.92	1922.711	4586.967
#2	2803.362	63080.64	13476.74	1936.400	4620.998
#3	2784.237	62899.61	13518.96	1931.299	4589.707

Sample Name: PB165416BS Acquired: 12/9/2024 13:44:00 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.7414632	1.953068	.9147774	1.895755	.7733960	1.932469
Stddev	.0069990	.025385	.0045074	.006391	.0046507	.005645
%RSD	.9439416	1.299751	.4927326	.3371230	.6013332	.2921235

#1	.7371573	1.961676	.9121858	1.888668	.7681109	1.938638
#2	.7376932	1.973031	.9121644	1.897514	.7752140	1.927561
#3	.7495390	1.924499	.9199821	1.901082	.7768630	1.931208

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1922370	.1923932	.1848333	.9576949	.3784567	.1872881
Stddev	.0003243	.0006518	.0006396	.0041927	.0015369	.0007165
%RSD	.1687133	.3387871	.3460305	.4377953	.4061034	.3825596

#1	.1919080	.1924701	.1844051	.9615882	.3771507	.1867858
#2	.1925564	.1930031	.1845262	.9582405	.3801503	.1869699
#3	.1922468	.1917063	.1855685	.9532561	.3780690	.1881086

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3022874	2.786738	.1940535	1.846775	.4693345	.0706565
Stddev	.0009086	.033110	.0010806	.012779	.0015851	.0004062
%RSD	.3005752	1.188139	.5568777	.6919888	.3377429	.5749576

#1	.3012683	2.749175	.1929004	1.832317	.4679421	.0703101
#2	.3025813	2.799353	.1950430	1.851447	.4690018	.0711036
#3	.3030127	2.811687	.1942172	1.856561	.4710596	.0705558

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.717676	.2878975	.1988332	9.208873	.2841663	.3962413
Stddev	.019647	.0020355	.0011383	.068474	.0004949	.0010515
%RSD	.7229497	.7070208	.5724927	.7435621	.1741727	.2653595

#1	2.696984	.2856328	.1982074	9.134422	.2839188	.3953203
#2	2.719966	.2895745	.2001472	9.223043	.2847362	.3960167
#3	2.736078	.2884851	.1981452	9.269152	.2838439	.3973869

Sample Name: PB165416BS Acquired: 12/9/2024 13:44:00 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.6421623	.1914836	F .6221412	5.351982	F -.007438	.2052175
Stddev	.0011129	.0013472	.0029652	.009381	.000963	.0007927
%RSD	.1733050	.7035775	.4766077	.1752811	12.95407	.3862636
#1	.6413727	.1905235	.6193950	5.345210	-.006427	.2043126
#2	.6416790	.1930237	.6252852	5.362690	-.008346	.2055513
#3	.6434351	.1909037	.6217434	5.348047	-.007539	.2057888

Elem	Sr4077
Units	ppm
Avg	.1996145
Stddev	.0002687
%RSD	.1346116
#1	.1994028
#2	.1999168
#3	.1995239

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2770.177	63054.71	13281.34	1945.288	4445.680
Stddev	10.706	235.21	60.18	9.505	18.043
%RSD	.3864600	.3730182	.4530962	.4886136	.4058561
#1	2779.500	63266.96	13236.62	1950.110	4460.137
#2	2772.546	62801.84	13257.64	1934.338	4451.443
#3	2758.485	63095.33	13349.76	1951.415	4425.459

Sample Name: P5095-04 Acquired: 12/9/2024 13:48:00 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.005287	-.010523	-.000943	.0022413	.0025515	-.047317	.5223577
Stddev	.002199	.001783	.000005	.0009361	.0014647	.005187	.0014552
%RSD	41.59405	16.94609	.5700234	41.76803	57.40849	10.96222	.2785910

#1	-.004647	-.009220	-.000948	.0023281	.0023926	-.041358	.5207096
#2	-.007735	-.012555	-.000937	.0012647	.0040892	-.049782	.5228984
#3	-.003479	-.009793	-.000945	.0031309	.0011726	-.050813	.5234653

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000350	.0002655	171.0265	.0008136	.0015322	.0029530	.0113116
Stddev	.000045	.0000660	.4665	.0001285	.0000396	.0000943	.0015850
%RSD	12.76520	24.84329	.2727457	15.78819	2.581787	3.191818	14.01177

#1	-.000372	.0002750	170.5033	.0008430	.0014866	.0030294	.0104565
#2	-.000379	.0003262	171.3989	.0009248	.0015530	.0029819	.0103380
#3	-.000298	.0001953	171.1774	.0006730	.0015571	.0028477	.0131405

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.670173	2.115746	.0032370	-.000482	344.1169	.0006087	.0222659
Stddev	.008721	.030067	.0001629	.000025	3.0846	.0012413	.0000772
%RSD	.3266120	1.421086	5.031843	5.156759	.8963720	203.9240	.3464741

#1	2.660103	2.081783	.0031184	-.000457	346.8720	-.000165	.0223047
#2	2.675253	2.138965	.0034227	-.000506	340.7844	-.000049	.0223160
#3	2.675164	2.126490	.0031698	-.000482	344.6942	.002040	.0221771

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6164760	.0068525	.0010298	-.004684	-.003661	.5307209	.0089917
Stddev	.0164489	.0002556	.0001054	.001083	.000112	.0019189	.0004724
%RSD	2.668208	3.729458	10.23930	23.11911	3.057987	.3615681	5.253538

#1	.6296919	.0069949	.0011299	-.005928	-.003683	.5294883	.0085872
#2	.6216819	.0065575	.0009197	-.004175	-.003540	.5297426	.0095109
#3	.5980541	.0070053	.0010399	-.003950	-.003760	.5329318	.0088771

Sample Name: P5095-04 Acquired: 12/9/2024 13:48:00 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.4635919	-.028069	.2169904
Stddev	.0045088	.000277	.0002251
%RSD	.9725760	.9857388	.1037450
#1	.4654353	-.028078	.2167517
#2	.4584535	-.027787	.2170208
#3	.4668869	-.028341	.2171988

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2391.310	54503.96	12961.93	1656.044	3579.427
Stddev	8.243	177.25	19.81	8.530	11.611
%RSD	.3447247	.3251966	.1528422	.5150946	.3243824
#1	2394.508	54451.25	12971.80	1655.635	3580.121
#2	2397.476	54701.58	12939.12	1664.772	3590.675
#3	2381.947	54359.04	12974.87	1647.726	3567.484

Sample Name: P5096-04 Acquired: 12/9/2024 13:52:28 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.007167	-.009935	.0082051	.0018619	.0012831	.0251113	.3739606
Stddev	.002689	.000213	.0009407	.0007305	.0016635	.0028699	.0023231
%RSD	37.52319	2.143228	11.46464	39.23818	129.6449	11.42885	.6212187

#1	-.009063	-.009752	.0071642	.0011705	.0023740	.0284104	.3737296
#2	-.004089	-.010169	.0089943	.0017888	.0021069	.0237329	.3763905
#3	-.008348	-.009883	.0084567	.0026262	-.000632	.0231905	.3717615

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000086	.0002304	22.38118	.0014997	-.000558	.0194805	.0202503
Stddev	.000055	.0000230	.03565	.0001272	.000177	.0001320	.0024002
%RSD	64.74120	9.972610	.1592962	8.483984	31.73499	.6775724	11.85245

#1	-.000040	.0002566	22.38833	.0014501	-.000603	.0194728	.0175973
#2	-.000147	.0002138	22.41271	.0014046	-.000363	.0196162	.0208826
#3	-.000069	.0002207	22.34249	.0016442	-.000708	.0193526	.0222710

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0322201	1.676781	.0029539	-.000062	298.3068	.0008135	.1111363
Stddev	.0001927	.008702	.0002567	.000205	2.3804	.0004148	.0001544
%RSD	.5981555	.5189900	8.688925	328.5179	.7979834	50.99698	.1388840

#1	.0320035	1.667598	.0026619	-.000298	300.6050	.0006088	.1109582
#2	.0323727	1.684905	.0030555	.000053	295.8519	.0005407	.1112186
#3	.0322841	1.677840	.0031441	.000058	298.4636	.0012909	.1112320

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7408390	.0358519	.0005108	-.001552	-.000135	.9251310	.0427530
Stddev	.0094857	.0008793	.0001637	.000368	.000392	.0048686	.0025966
%RSD	1.280398	2.452609	32.04917	23.70761	290.0374	.5262610	6.073572

#1	.7332525	.0355356	.0003412	-.001332	.000202	.9242490	.0456823
#2	.7377902	.0368455	.0006679	-.001977	-.000043	.9207637	.0418427
#3	.7514741	.0351744	.0005234	-.001347	-.000566	.9303803	.0407341

Sample Name: P5096-04 Acquired: 12/9/2024 13:52:28 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.5044734	-.002549	.0981377
Stddev	.0022600	.001232	.0005327
%RSD	.4479905	48.34209	.5427999
#1	.5024575	-.002308	.0981452
#2	.5040462	-.003883	.0986666
#3	.5069165	-.001455	.0976013

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2577.180	58239.01	13640.74	1770.990	3974.897
Stddev	12.224	21.49	24.20	1.924	6.531
%RSD	.4743220	.0369058	.1774313	.1086586	.1642977
#1	2581.690	58247.93	13619.86	1772.382	3976.085
#2	2586.508	58254.61	13635.08	1771.793	3980.752
#3	2563.342	58214.50	13667.26	1768.794	3967.853

Sample Name: P5096-08 Acquired: 12/9/2024 13:56:55 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.009132	-.008188	.0191356	.0030919	.0009759	-.002384	.5290150
Stddev	.001965	.000478	.0010905	.0002616	.0012927	.001810	.0014844
%RSD	21.51410	5.833266	5.698644	8.460816	132.4592	75.91179	.2806047

#1	-.010541	-.008260	.0191375	.0028040	-.000480	-.002956	.5299646
#2	-.006888	-.007679	.0180441	.0031565	.001417	-.003840	.5297760
#3	-.009968	-.008626	.0202251	.0033151	.001990	-.000358	.5273044

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000108	.0008965	65.70697	.0005049	-.000677	.0321794	.0070417
Stddev	.000004	.0000654	.11193	.0001463	.000097	.0003608	.0025579
%RSD	3.818647	7.292353	.1703416	28.97576	14.36221	1.121107	36.32547

#1	-.000103	.0009711	65.76003	.0006428	-.000686	.0325664	.0096123
#2	-.000110	.0008686	65.57838	.0005203	-.000576	.0318524	.0070162
#3	-.000111	.0008496	65.78250	.0003515	-.000770	.0321193	.0044966

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3354041	2.781161	.0029917	-.000204	345.7307	-.000552	.0881724
Stddev	.0013767	.014866	.0001988	.000080	1.1557	.000846	.0003452
%RSD	.4104685	.5345099	6.645579	39.44884	.3342738	153.3883	.3915347

#1	.3369537	2.795517	.0032166	-.000287	344.9432	.000388	.0880949
#2	.3343221	2.765833	.0028394	-.000126	345.1913	-.001253	.0885498
#3	.3349364	2.782133	.0029190	-.000198	347.0574	-.000789	.0878725

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4336275	.0235507	.0004683	-.002829	-.001382	.5998084	.0242832
Stddev	.0160805	.0002906	.0002276	.000754	.000280	.0050799	.0012394
%RSD	3.708377	1.234022	48.59024	26.66041	20.27861	.8469283	5.104011

#1	.4500933	.0233290	.0007230	-.003670	-.001121	.6045183	.0250739
#2	.4328271	.0238797	.0002848	-.002601	-.001678	.5944255	.0228548
#3	.4179621	.0234434	.0003973	-.002214	-.001345	.6004815	.0249210

Sample Name: P5096-08 Acquired: 12/9/2024 13:56:55 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.5134754	-.009898	.1432679
Stddev	.0062669	.000081	.0004693
%RSD	1.220483	.8178596	.3275527
#1	.5075279	-.009858	.1438095
#2	.5128793	-.009844	.1429813
#3	.5200190	-.009991	.1430130

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2451.408	55767.23	13025.94	1704.781	3713.615
Stddev	14.727	137.20	16.28	2.164	17.359
%RSD	.6007489	.2460178	.1249827	.1269250	.4674499
#1	2461.996	55636.17	13015.68	1706.956	3723.904
#2	2457.639	55909.83	13044.72	1704.758	3723.369
#3	2434.590	55755.70	13017.43	1702.628	3693.573

Sample Name: P5110-01 Acquired: 12/9/2024 14:01:22 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0036223	-.004971	-.000580	.0034458	.0016084	.0307836	.2079524
Stddev	.0017491	.001727	.000646	.0014839	.0007373	.0041259	.0009615
%RSD	48.28782	34.74682	111.4822	43.06305	45.84372	13.40292	.4623825
#1	.0055858	-.005254	-.001320	.0027000	.0016837	.0314220	.2081066
#2	.0030503	-.003120	-.000296	.0051545	.0008363	.0345532	.2088276
#3	.0022308	-.006539	-.000124	.0024827	.0023052	.0263758	.2069231
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000074	.0005082	15.29445	.0003483	.0005293	.0094465	.0228801
Stddev	.000069	.0000902	.05869	.0001702	.0001374	.0002467	.0041548
%RSD	92.41080	17.74804	.3837023	48.86050	25.95244	2.611529	18.15897
#1	.000004	.0005833	15.31042	.0004686	.0006876	.0093111	.0274331
#2	-.000122	.0005332	15.34350	.0004228	.0004411	.0092971	.0219135
#3	-.000105	.0004082	15.22943	.0001536	.0004592	.0097312	.0192939
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0723452	2.725781	.0055487	-.000569	284.1995	-.001092	1.035109
Stddev	.0001204	.032172	.0002184	.000336	.5979	.000137	.004776
%RSD	.1664807	1.180296	3.935644	59.02243	.2103775	12.52063	.4613590
#1	.0723936	2.760965	.0054522	-.000752	284.8050	-.001196	1.039134
#2	.0724340	2.718516	.0053952	-.000773	284.1840	-.001144	1.036360
#3	.0722081	2.697863	.0057987	-.000181	283.6095	-.000937	1.029832
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.518055	.2194085	.0821743	-.001532	.0000246	1.610450	.0628036
Stddev	.050342	.0007734	.0006601	.000460	.0001310	.002521	.0023826
%RSD	.7723435	.3525052	.8033275	29.99911	533.7181	.1565610	3.793668
#1	6.529807	.2202824	.0823536	-.001961	-.000085	1.609475	.0636740
#2	6.561482	.2191305	.0814431	-.001047	.000170	1.613313	.0601083
#3	6.462877	.2188124	.0827263	-.001589	-.000011	1.608562	.0646287

Sample Name: P5110-01 Acquired: 12/9/2024 14:01:22 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	1.602704	.0028645	.1306665
Stddev	.009269	.0004146	.0006621
%RSD	.5783073	14.47338	.5067433
#1	1.594641	.0023971	.1306648
#2	1.600641	.0030084	.1313294
#3	1.612830	.0031879	.1300051

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2597.366	58619.99	13522.18	1808.430	3985.413
Stddev	6.887	157.86	55.25	7.603	6.428
%RSD	.2651591	.2692945	.4085956	.4204283	.1612800
#1	2597.612	58503.07	13482.25	1801.052	3985.652
#2	2604.127	58557.35	13499.05	1807.999	3991.717
#3	2590.360	58799.56	13585.24	1816.240	3978.869

Sample Name: P5110-02 Acquired: 12/9/2024 14:05:47 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.007987	-.006539	.2797381	.0026507	.0000270	-.004176	.1419766
Stddev	.001246	.002062	.0004726	.0030123	.0011555	.001391	.0006095
%RSD	15.60116	31.53747	.1689554	113.6434	4277.198	33.30159	.4292708
#1	-.006816	-.008851	.2795511	.0039286	-.000917	-.003156	.1420898
#2	-.007847	-.005873	.2793876	-.000790	-.000317	-.005760	.1425215
#3	-.009297	-.004891	.2802756	.004813	.001315	-.003612	.1413185
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000147	.0047620	47.66996	.0195127	.0001789	.0343710	.0842334
Stddev	.000045	.0000679	.15129	.0003903	.0000666	.0000997	.0029073
%RSD	30.55000	1.426588	.3173666	2.000404	37.25843	.2901470	3.451445
#1	-.000156	.0048404	47.70952	.0190734	.0001246	.0343923	.0809440
#2	-.000098	.0047211	47.79754	.0196451	.0002533	.0342623	.0864587
#3	-.000186	.0047245	47.50283	.0198196	.0001588	.0344583	.0852976
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1016896	.6206745	.0158739	-.000240	286.9409	-.000594	.6942363
Stddev	.0006445	.0068046	.0001303	.000060	1.4859	.000989	.0014472
%RSD	.6337639	1.096321	.8205745	24.87082	.5178592	166.4355	.2084589
#1	.1013071	.6204863	.0157471	-.000300	286.5022	.000449	.6941157
#2	.1024337	.6275712	.0158673	-.000238	288.5968	-.000712	.6957401
#3	.1013280	.6139659	.0160074	-.000181	285.7237	-.001519	.6928532
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8272410	.0408185	.0004191	-.003304	-.000647	.1314637	.0249086
Stddev	.0379718	.0002329	.0001328	.000539	.000223	.0069395	.0029816
%RSD	4.590172	.5705769	31.69165	16.32519	34.44279	5.278657	11.97020
#1	.7888683	.0409357	.0003006	-.003884	-.000753	.1251447	.0221640
#2	.8647988	.0409694	.0003941	-.002818	-.000391	.1388905	.0280810
#3	.8280558	.0405502	.0005626	-.003210	-.000798	.1303560	.0244808

Sample Name: P5110-02 Acquired: 12/9/2024 14:05:47 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	2.064831	-.008166	.0453727
Stddev	.004118	.000370	.0001532
%RSD	.1994438	4.527767	.3375330
#1	2.067257	-.008590	.0453862
#2	2.067159	-.007912	.0455187
#3	2.060076	-.007996	.0452133

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2600.338	59573.17	13804.55	1843.024	3982.430
Stddev	18.846	46.70	56.11	12.676	19.225
%RSD	.7247385	.0783833	.4064703	.6877663	.4827453
#1	2611.965	59561.08	13748.53	1848.708	3986.000
#2	2610.455	59624.73	13804.38	1828.501	3999.620
#3	2578.594	59533.71	13860.75	1851.863	3961.670

Sample Name: P5112-02 Acquired: 12/9/2024 14:10:12 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.008626	-.008067	.0149275	.0041185	.0017239	-.004951	.2598516
Stddev	.001882	.000846	.0009841	.0018044	.0013534	.008389	.0010095
%RSD	21.81728	10.49101	6.592288	43.81303	78.51150	169.4532	.3885076
#1	-.008500	-.008281	.0146312	.0061965	.0032695	.004722	.2587375
#2	-.010567	-.007134	.0141257	.0032110	.0007510	-.009339	.2601116
#3	-.006810	-.008785	.0160257	.0029479	.0011511	-.010236	.2607058
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000201	.0004383	84.91184	.0012365	.0009473	.0062744	.0140009
Stddev	.000018	.0000615	.66095	.0005088	.0000828	.0007211	.0039914
%RSD	9.046047	14.03996	.7783940	41.14936	8.738089	11.49323	28.50855
#1	-.000193	.0005085	84.37863	.0007467	.0010428	.0068692	.0168917
#2	-.000222	.0003936	84.70556	.0017624	.0009033	.0054723	.0156641
#3	-.000188	.0004127	85.65133	.0012004	.0008959	.0064816	.0094468
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2938118	4.562687	.0060340	-.000275	317.7478	.0011792	.1947774
Stddev	.0031730	.035797	.0002897	.000265	2.0309	.0007321	.0017380
%RSD	1.079932	.7845645	4.800260	96.23194	.6391445	62.07832	.8922730
#1	.2917974	4.530535	.0063310	-.000159	315.9962	.0004501	.1927724
#2	.2921686	4.556266	.0057523	-.000578	317.2733	.0011735	.1957046
#3	.2974694	4.601260	.0060188	-.000088	319.9739	.0019141	.1958551
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.370054	.0389795	.0008816	-.002980	-.001618	1.918810	.0334392
Stddev	.007764	.0003643	.0000662	.000252	.000200	.014472	.0013478
%RSD	.3275884	.9347337	7.511139	8.455320	12.37521	.7542427	4.030450
#1	2.363713	.0393122	.0009346	-.003103	-.001543	1.902101	.0348648
#2	2.367737	.0390361	.0008074	-.002690	-.001465	1.927401	.0321858
#3	2.378713	.0385901	.0009029	-.003148	-.001844	1.926929	.0332672

Sample Name: P5112-02 Acquired: 12/9/2024 14:10:12 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	1.297385	-.012027	.3116564
Stddev	.006250	.000210	.0012253
%RSD	.4817250	1.744834	.3931628
#1	1.300585	-.011834	.3108543
#2	1.290183	-.012251	.3110480
#3	1.301387	-.011997	.3130668

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2381.332	55183.17	12906.47	1681.007	3649.754
Stddev	22.956	77.47	55.26	9.745	29.514
%RSD	.9639802	.1403786	.4281320	.5797034	.8086568
#1	2395.203	55269.54	12940.83	1692.026	3667.744
#2	2393.959	55119.82	12935.84	1673.521	3665.826
#3	2354.835	55160.17	12842.72	1677.476	3615.692

Sample Name: P5117-02 Acquired: 12/9/2024 14:14:36 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.009666	-.010083	.0037899	.0053431	-.001189	.1301554	.1681890
Stddev	.001196	.001166	.0012569	.0007783	.001337	.0043450	.0008789
%RSD	12.36886	11.56090	33.16416	14.56549	112.4510	3.338324	.5225426
#1	-.009114	-.009317	.0049236	.0062091	-.002129	.1253070	.1677790
#2	-.008847	-.011424	.0024383	.0051182	-.001780	.1336969	.1691979
#3	-.011038	-.009508	.0040077	.0047021	.000342	.1314624	.1675899
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000073	-.000080	4.339226	.0046418	.0081629	.0123283	.0703302
Stddev	.000032	.000062	.004710	.0004011	.0001061	.0002633	.0026203
%RSD	44.04440	77.12500	.1085551	8.640718	1.299120	2.135889	3.725663
#1	-.000040	-.000061	4.336448	.0041786	.0081133	.0120383	.0714422
#2	-.000076	-.000030	4.344665	.0048758	.0080908	.0123942	.0673374
#3	-.000104	-.000149	4.336566	.0048708	.0082846	.0125524	.0722112
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3474341	.6950280	.0042586	-.000160	359.2029	.0003573	.0631244
Stddev	.0011559	.0085816	.0002702	.000309	3.3688	.0003781	.0003771
%RSD	.3326875	1.234718	6.344138	193.6587	.9378625	105.8109	.5974153
#1	.3461103	.6860625	.0045699	-.000147	356.0366	.0005462	.0627497
#2	.3482434	.7031658	.0041210	.000143	362.7430	-.000078	.0635038
#3	.3479485	.6958558	.0040849	-.000475	358.8290	.000604	.0631196
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6856436	.0132339	.0004431	-.000534	.0003006	.3362163	.0104975
Stddev	.0201195	.0003801	.0001663	.000464	.0003427	.0038701	.0014858
%RSD	2.934389	2.872208	37.52627	86.90117	113.9973	1.151077	14.15419
#1	.6636730	.0136529	.0006313	-.001062	-.000093	.3318184	.0120299
#2	.7031681	.0131376	.0003164	-.000341	.000460	.3377280	.0103994
#3	.6900899	.0129112	.0003815	-.000197	.000535	.3391023	.0090631

Sample Name: P5117-02 Acquired: 12/9/2024 14:14:36 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.4246528	-.001235	.0163473
Stddev	.0029842	.000277	.0000767
%RSD	.7027507	22.42788	.4690349
#1	.4261693	-.001400	.0163273
#2	.4265744	-.001389	.0164320
#3	.4212149	-.000915	.0162827

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2319.718	54040.57	12892.67	1620.019	3603.827
Stddev	22.340	286.43	17.60	15.618	24.177
%RSD	.9630281	.5300358	.1365013	.9640620	.6708814
#1	2337.585	54243.80	12888.92	1638.047	3622.757
#2	2326.897	53712.97	12877.25	1611.395	3612.132
#3	2294.671	54164.93	12911.84	1610.614	3576.591

Sample Name: P5133-02 Acquired: 12/9/2024 14:19:03 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.003371	-.009548	-.000432	.0034913	-.000105	.0306000	.1621792
Stddev	.001777	.002199	.000446	.0011766	.001253	.0035461	.0013834
%RSD	52.72484	23.03165	103.0872	33.70197	1194.466	11.58866	.8530101
#1	-.004640	-.008576	-.000749	.0035930	-.000757	.0346876	.1636935
#2	-.004132	-.008003	-.000625	.0046137	-.000897	.0283462	.1618625
#3	-.001340	-.012066	.000077	.0022671	.001340	.0287663	.1609817
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000077	-.000006	15.61768	.0008879	.0020480	.0110931	.1222108
Stddev	.000065	.000048	.13064	.0002745	.0001462	.0000754	.0087067
%RSD	83.71886	766.2051	.8365060	30.91626	7.140884	.6792785	7.124373
#1	-.000025	-.000007	15.71568	.0006488	.0019194	.0110071	.1310341
#2	-.000058	.000042	15.66800	.0008274	.0022071	.0111475	.1219728
#3	-.000150	-.000053	15.46936	.0011877	.0020174	.0111247	.1136255
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1257109	2.140523	.0057238	-.000508	382.8555	-.000645	.1963249
Stddev	.0008895	.033567	.0002013	.000276	5.4622	.001079	.0016263
%RSD	.7075678	1.568170	3.517031	54.40136	1.426708	167.2938	.8283547
#1	.1264972	2.158461	.0056000	-.000813	388.2191	-.000147	.1970635
#2	.1258900	2.161310	.0056153	-.000273	383.0478	.000095	.1974507
#3	.1247454	2.101798	.0059561	-.000438	377.2997	-.001884	.1944604
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.407781	.1063007	.0007382	-.001168	.0005572	2.841891	.0456605
Stddev	.044933	.0009347	.0001976	.000328	.0004362	.014457	.0030803
%RSD	.7012302	.8792989	26.76252	28.09426	78.27511	.5087188	6.746129
#1	6.436968	.1064683	.0009397	-.001444	.0009629	2.858051	.0470723
#2	6.430339	.1071403	.0007301	-.001254	.0006129	2.830183	.0421273
#3	6.356038	.1052936	.0005448	-.000805	.0000959	2.837440	.0477818

Sample Name: P5133-02 Acquired: 12/9/2024 14:19:03 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	2.924822	.0007829	.1738731
Stddev	.012811	.0004520	.0013139
%RSD	.4380108	57.73508	.7556868
#1	2.911340	.0002636	.1752667
#2	2.936836	.0009969	.1736958
#3	2.926288	.0010882	.1726568

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2321.369	53019.45	12708.05	1600.778	3595.044
Stddev	10.617	184.12	115.96	3.755	11.405
%RSD	.4573684	.3472693	.9124648	.2346000	.3172300
#1	2331.587	52888.38	12600.60	1600.907	3606.876
#2	2322.128	52940.01	12692.60	1596.961	3594.135
#3	2310.393	53229.95	12830.96	1604.468	3584.121

Sample Name: CCV03 Acquired: 12/9/2024 14:23:29 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	4.934826	4.897242	4.785882	5.013135	5.060656	9.735083	9.919439
Stddev	.024950	.054595	.019496	.023154	.024391	.014075	.026940
%RSD	.5055910	1.114817	.4073552	.4618761	.4819709	.1445841	.2715877

#1	4.916099	4.916089	4.773400	4.998642	5.036995	9.720047	9.948679
#2	4.925230	4.835721	4.775899	5.000925	5.059257	9.737259	9.895626
#3	4.963150	4.939918	4.808347	5.039839	5.085717	9.747944	9.914013

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2334942	2.418761	23.52573	.9666185	2.406157	1.258726	4.865960
Stddev	.0008159	.009500	.08729	.0019809	.008377	.005324	.037060
%RSD	.3494400	.3927496	.3710295	.2049333	.3481403	.4229325	.7616087

#1	.2330658	2.413223	23.42732	.9656894	2.400124	1.255628	4.844456
#2	.2344351	2.413329	23.59382	.9652729	2.402626	1.255677	4.844672
#3	.2329817	2.429730	23.55603	.9688932	2.415721	1.264873	4.908753

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.355615	23.19771	2.413936	1.220154	25.93967	2.418007	2.498642
Stddev	.003531	.06395	.007971	.002318	.18005	.003790	.006305
%RSD	.1498908	.2756586	.3301879	.1899449	.6940973	.1567308	.2523354

#1	2.351927	23.13188	2.408468	1.221994	26.14314	2.414652	2.497397
#2	2.358965	23.25959	2.410259	1.217551	25.87489	2.417251	2.493053
#3	2.355951	23.20165	2.423082	1.220916	25.80098	2.422118	2.505477

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.37288	4.718512	5.044259	4.777357	4.839185	4.729013	4.788941
Stddev	.09402	.013704	.021290	.025592	.007688	.029166	.016229
%RSD	.3705469	.2904278	.4220588	.5356945	.1588632	.6167450	.3388785

#1	25.39486	4.720008	5.026940	4.766463	4.834799	4.705462	4.789221
#2	25.26982	4.731406	5.037810	4.759015	4.848062	4.719940	4.772574
#3	25.45396	4.704121	5.068028	4.806594	4.834694	4.761637	4.805028

Sample Name: CCV03 Acquired: 12/9/2024 14:23:29 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	4.777020	5.023725	4.958551
Stddev	.034226	.012228	.039978
%RSD	.7164790	.2434137	.8062513
#1	4.762056	5.030614	5.004403
#2	4.752823	5.030954	4.940257
#3	4.816180	5.009606	4.930993

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2582.690	58787.34	13268.86	1783.719	3974.547
Stddev	7.463	143.32	37.94	5.217	10.946
%RSD	.2889800	.2437923	.2858994	.2924794	.2753940
#1	2590.433	58678.39	13248.03	1782.082	3983.546
#2	2582.096	58949.69	13245.91	1789.559	3977.732
#3	2575.541	58733.94	13312.65	1779.518	3962.361

Sample Name: CCB03 Acquired: 12/9/2024 14:27:41 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.002317	-.002103	-.000326	.0004743	.0009419	.0006984	-.003648
Stddev	.005896	.000335	.000170	.0012345	.0005812	.0043384	.000381
%RSD	254.4289	15.91218	52.19660	260.2479	61.70965	621.2277	10.43099
#1	-.000554	-.002487	-.000372	-.000316	.0015964	-.003456	-.004086
#2	-.008894	-.001951	-.000137	.001897	.0007432	.000351	-.003405
#3	.002496	-.001872	-.000467	-.000157	.0004860	.005200	-.003453
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000072	-.000030	-.007330	-.000000	-.000102	.0001786	-.005022
Stddev	.000060	.000054	.004855	.000238	.000055	.0002888	.003359
%RSD	82.45538	179.9209	66.23617	89903.99	53.93464	161.7322	66.88120
#1	-.000097	-.000046	-.004241	-.000250	-.000165	-.000106	-.001183
#2	-.000004	.000030	-.004823	.000025	-.000062	.000471	-.007416
#3	-.000116	-.000073	-.012927	.000225	-.000080	.000171	-.006466
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000132	-.009726	.0000728	-.000522	.1749302	.0002561	.0001431
Stddev	.000184	.005076	.0002514	.000069	.0229342	.0002622	.0002272
%RSD	139.7617	52.18869	345.1490	13.23423	13.11051	102.3792	158.7994
#1	.000049	-.012048	.0001612	-.000446	.1511063	.0000322	-.000119
#2	-.000126	-.013227	-.000211	-.000580	.1768274	.0001916	.000281
#3	-.000319	-.003905	.000268	-.000542	.1968569	.0005445	.000267
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0890968	.0035332	.0005898	.0006800	.0006809	-.018577	.0015481
Stddev	.0210758	.0006005	.0001905	.0005901	.0001524	.005376	.0005239
%RSD	23.65491	16.99629	32.29964	86.78673	22.38157	28.94049	33.83929
#1	.0654447	.0029574	.0006153	.0000539	.0005100	-.013386	.0011710
#2	.1058850	.0041557	.0007662	.0007601	.0007300	-.018224	.0021463
#3	.0959607	.0034864	.0003878	.0012259	.0008027	-.024122	.0013270

Sample Name: CCB03 Acquired: 12/9/2024 14:27:41 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.000139	.0059729	.0001533
Stddev	.002921	.0004335	.0000312
%RSD	2101.458	7.257892	20.35420
#1	.002943	.0055670	.0001712
#2	-.000494	.0064295	.0001173
#3	-.002867	.0059221	.0001714

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2735.869	62249.22	13340.77	1931.558	4518.220
Stddev	13.355	62.89	39.85	3.069	19.237
%RSD	.4881609	.1010258	.2987069	.1588784	.4257547
#1	2737.455	62310.81	13357.63	1928.128	4523.366
#2	2748.360	62185.11	13295.26	1932.501	4534.360
#3	2721.791	62251.75	13369.42	1934.045	4496.934

Sample Name: P5136-02 Acquired: 12/9/2024 14:32:02 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.011030	-.012364	-.000100	.0056382	.0013519	.0417219	.2677547
Stddev	.002304	.002080	.001046	.0028462	.0002969	.0032033	.0008576
%RSD	20.89266	16.82588	1042.243	50.47972	21.96149	7.677833	.3202884
#1	-.008428	-.014519	-.001151	.0069936	.0013270	.0408934	.2681157
#2	-.012812	-.010367	.000940	.0075534	.0010683	.0452581	.2667756
#3	-.011850	-.012207	-.000089	.0023677	.0016605	.0390142	.2683728
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004322	.0005998	27.82172	.0028630	.0095155	.0171474	.1843852
Stddev	.0000637	.0000182	.03997	.0000403	.0003290	.0005730	.0018056
%RSD	14.73143	3.041417	.1436719	1.408725	3.457695	3.341507	.9792692
#1	.0004716	.0006107	27.79061	.0028902	.0096350	.0172607	.1858984
#2	.0004663	.0005787	27.86680	.0028821	.0091434	.0165262	.1848708
#3	.0003588	.0006099	27.80775	.0028167	.0097680	.0176553	.1823864
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3560401	13.85743	.0089566	-.000353	383.1504	.0037074	.2352093
Stddev	.0002432	.03915	.0002680	.000112	3.9823	.0003893	.0013044
%RSD	.0683099	.2825147	2.992814	31.64975	1.039365	10.49927	.5545828
#1	.3559774	13.87591	.0092510	-.000227	379.3975	.0032601	.2338901
#2	.3558343	13.88392	.0087266	-.000392	382.7257	.0039692	.2364984
#3	.3563085	13.81247	.0088923	-.000439	387.3281	.0038928	.2352394
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.97237	.1147982	.0007829	-.002436	-.000095	7.571389	.1454764
Stddev	.02892	.0002870	.0003833	.000480	.000362	.023959	.0019614
%RSD	.2415345	.2500097	48.96427	19.70839	382.3623	.3164437	1.348264
#1	11.98345	.1147133	.0011897	-.002452	-.000387	7.551229	.1470654
#2	11.93955	.1145632	.0004284	-.001948	-.000208	7.597877	.1432842
#3	11.99411	.1151181	.0007306	-.002907	.000311	7.565061	.1460795

Sample Name: P5136-02 Acquired: 12/9/2024 14:32:02 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	5.409706	.0077541	.1135802
Stddev	.135336	.0005698	.0003270
%RSD	2.501730	7.348026	.2879198
#1	5.445501	.0077858	.1138634
#2	5.260070	.0071692	.1132223
#3	5.523546	.0083074	.1136549

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2319.378	52669.38	12510.67	1604.695	3567.789
Stddev	46.681	140.15	19.77	9.555	78.012
%RSD	2.012642	.2661023	.1580171	.5954167	2.186569
#1	2300.830	52683.34	12496.79	1614.708	3539.465
#2	2372.482	52522.76	12501.92	1595.676	3656.007
#3	2284.822	52802.03	12533.30	1603.701	3507.896

Sample Name: P5136-02DUP Acquired: 12/9/2024 14:36:25 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.005737	-.009830	.0004416	.0033345	.0004188	.0408927	.2612571
Stddev	.001364	.001012	.0004356	.0032104	.0009465	.0030198	.0009241
%RSD	23.77152	10.29731	98.64353	96.27851	226.0191	7.384709	.3537008

#1	-.006192	-.008829	.0008560	.0051839	-.000398	.0442649	.2621074
#2	-.004204	-.010853	-.000012	-.000373	.001456	.0384381	.2613902
#3	-.006815	-.009807	.000481	.005192	.000198	.0399752	.2602737

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004449	.0005536	27.89231	.0026583	.0097121	.0174498	.1822675
Stddev	.0000377	.0001004	.10398	.0005734	.0001655	.0004109	.0037217
%RSD	8.462552	18.14464	.3727811	21.57111	1.704235	2.355014	2.041908

#1	.0004356	.0006695	27.99500	.0033020	.0095760	.0178406	.1846637
#2	.0004127	.0004963	27.89483	.0024708	.0096640	.0170214	.1841590
#3	.0004863	.0004948	27.78710	.0022021	.0098963	.0174876	.1779799

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3537178	13.93061	.0090421	-.000162	375.5747	.0047590	.2359320
Stddev	.0011507	.04477	.0001410	.000049	2.0852	.0003532	.0019079
%RSD	.3253055	.3213544	1.558816	30.19270	.5552039	7.422236	.8086712

#1	.3550448	13.94784	.0091275	-.000106	377.0828	.0050695	.2340173
#2	.3529971	13.96421	.0088795	-.000183	376.4462	.0043747	.2378331
#3	.3531114	13.87979	.0091194	-.000197	373.1952	.0048328	.2359457

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.87955	.1123140	.0007971	-.001951	-.000335	7.616662	.1453018
Stddev	.05825	.0005840	.0002068	.000501	.000563	.027041	.0025866
%RSD	.4903017	.5199847	25.94642	25.68714	168.1892	.3550254	1.780172

#1	11.90927	.1129409	.0005584	-.002370	-.000955	7.608268	.1423258
#2	11.91695	.1122158	.0009228	-.001396	.000144	7.646905	.1465701
#3	11.81244	.1117853	.0009101	-.002087	-.000193	7.594814	.1470094

Sample Name: P5136-02DUP Acquired: 12/9/2024 14:36:25 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	5.460289	.0074472	.1120505
Stddev	.037254	.0008063	.0006704
%RSD	.6822791	10.82687	.5982953
#1	5.482008	.0083552	.1127229
#2	5.417272	.0071713	.1120465
#3	5.481588	.0068150	.1113821

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2297.727	52201.42	12452.41	1575.735	3526.435
Stddev	3.603	92.42	74.40	6.498	10.608
%RSD	.1568229	.1770502	.5975056	.4123957	.3008183
#1	2294.586	52150.59	12373.15	1580.856	3517.949
#2	2301.661	52145.57	12463.33	1568.425	3538.328
#3	2296.934	52308.10	12520.75	1577.924	3523.027

Sample Name: P5136-02LX5 Acquired: 12/9/2024 14:40:48 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.004315	-.002745	-.000318	.0001998	.0003826	.0038672	.0485630
Stddev	.001745	.001398	.001257	.0008144	.0005029	.0034596	.0005181
%RSD	40.42679	50.93504	395.7882	407.6597	131.4508	89.45940	1.066898
#1	-.004704	-.003917	.000766	.0011317	.0009339	.0010814	.0482315
#2	-.005833	-.003122	-.000023	-.000375	-.000051	.0027806	.0482975
#3	-.002409	-.001197	-.001696	-.000157	.000265	.0077397	.0491601
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000394	.0000404	5.521858	.0004004	.0016799	.0040553	.0299062
Stddev	.0000368	.0000344	.011209	.0005138	.0003263	.0004455	.0025102
%RSD	93.23614	85.14965	.2029925	128.3453	19.42117	10.98631	8.393441
#1	.0000813	.0000451	5.518432	-.000163	.0020492	.0036335	.0328046
#2	.0000246	.0000039	5.512762	.000844	.0014306	.0040111	.0284839
#3	.0000124	.0000722	5.534380	.000520	.0015600	.0045213	.0284302
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0691907	2.741400	.0017375	-.000628	69.38703	.0010852	.0441733
Stddev	.0006983	.015180	.0003954	.000277	.32886	.0007930	.0004062
%RSD	1.009295	.5537185	22.75711	44.03045	.4739518	73.06894	.9195675
#1	.0697020	2.750182	.0014252	-.000753	69.71571	.0019930	.0437516
#2	.0683950	2.723873	.0021821	-.000311	69.05799	.0007352	.0442063
#3	.0694750	2.750147	.0016051	-.000820	69.38737	.0005275	.0445620
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.141654	.0225820	-.000022	.0002163	.0002291	1.360660	.0274071
Stddev	.039915	.0005673	.000202	.0002579	.0002142	.011147	.0010273
%RSD	1.863732	2.512399	919.4072	119.2379	93.46450	.8192498	3.748317
#1	2.107326	.0232370	-.000251	-.000081	.0004707	1.354237	.0281995
#2	2.132184	.0222640	.000056	.000357	.0000625	1.373532	.0277754
#3	2.185452	.0222449	.000129	.000373	.0001542	1.354211	.0262464

Sample Name: P5136-02LX5 Acquired: 12/9/2024 14:40:48 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	1.021031	.0079388	.0219083
Stddev	.010843	.0006563	.0000096
%RSD	1.061998	8.267597	.0436380
#1	1.032740	.0072293	.0219088
#2	1.011336	.0085243	.0218985
#3	1.019017	.0080627	.0219176

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2629.183	58378.80	13005.98	1789.862	4135.929
Stddev	14.876	155.76	28.88	17.735	21.500
%RSD	.5658220	.2668022	.2220517	.9908591	.5198318
#1	2612.910	58233.51	12976.40	1782.965	4111.309
#2	2632.557	58359.64	13007.42	1776.611	4151.007
#3	2642.083	58543.25	13034.11	1810.009	4145.469

Sample Name: P5136-02MS Acquired: 12/9/2024 14:45:07 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.7995653	1.836254	.9173389	1.996302	.8145559	2.042949	.4245704
Stddev	.0081354	.016841	.0044454	.010319	.0059159	.002626	.0004297
%RSD	1.017476	.9171547	.4845982	.5169238	.7262674	.1285464	.1012107
#1	.8028642	1.855377	.9179363	1.997722	.8165613	2.041111	.4242151
#2	.7902986	1.823634	.9126250	1.985346	.8078980	2.045957	.4250480
#3	.8055330	1.829751	.9214554	2.005837	.8192084	2.041780	.4244481
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1943840	.1963145	25.04017	.3979642	.2049499	.3076161	3.205053
Stddev	.0005907	.0005104	.06567	.0015913	.0004243	.0013314	.006024
%RSD	.3038702	.2600157	.2622404	.3998488	.2070149	.4328258	.1879668
#1	.1937025	.1967049	24.98494	.3980625	.2049153	.3073552	3.204317
#2	.1947491	.1957369	25.11278	.3963260	.2045439	.3064344	3.199430
#3	.1947003	.1965017	25.02280	.3995040	.2053904	.3090587	3.211411
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5114849	13.97737	.4957300	.0757836	313.9714	.3056607	.4090070
Stddev	.0009032	.03508	.0008642	.0004972	1.4485	.0023721	.0025399
%RSD	.1765828	.2509598	.1743342	.6561484	.4613486	.7760630	.6209865
#1	.5104961	13.94971	.4955997	.0758397	315.5996	.3029262	.4113975
#2	.5116919	14.01682	.4949383	.0752607	312.8259	.3068908	.4092832
#3	.5122665	13.96558	.4966520	.0762504	313.4887	.3071652	.4063403
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.35600	.3616618	.4207418	.6779061	.1996849	6.994176	6.147440
Stddev	.05362	.0015565	.0017987	.0035108	.0003462	.020147	.019157
%RSD	.2634241	.4303698	.4275028	.5178959	.1733938	.2880593	.3116237
#1	20.40593	.3601451	.4213348	.6750893	.2000763	7.009015	6.164856
#2	20.29932	.3632552	.4187214	.6767895	.1994186	6.971240	6.126921
#3	20.36274	.3615850	.4221690	.6818394	.1995598	7.002274	6.150544

Sample Name: P5136-02MS Acquired: 12/9/2024 14:45:07 Type: Unk
Method: NON EPA-6010-200.7(v2508) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.848221	.2198081	.3001934
Stddev	.027346	.0008927	.0004486
%RSD	.5640389	.4061184	.1494338
#1	4.873055	.2198316	.2998504
#2	4.818915	.2206888	.3007010
#3	4.852694	.2189039	.3000286

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2497.944	55947.46	12756.36	1720.533	3767.058
Stddev	16.391	114.10	10.51	9.668	18.347
%RSD	.6561600	.2039371	.0823893	.5618915	.4870363
#1	2491.038	55851.20	12761.82	1710.960	3759.636
#2	2516.658	56073.50	12744.24	1720.347	3787.953
#3	2486.137	55917.70	12763.01	1730.292	3753.585

Sample Name: P5136-02MSD Acquired: 12/9/2024 14:49:14 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.8052476	1.861708	.9166796	2.009415	.8197345	2.009126	.4240350
Stddev	.0090184	.008147	.0065589	.020480	.0058487	.008281	.0006729
%RSD	1.119956	.4376157	.7155028	1.019192	.7134909	.4121472	.1586830
#1	.7968068	1.852303	.9100783	1.988292	.8180039	2.017334	.4247078
#2	.8041863	1.866220	.9167655	2.010770	.8149464	2.000775	.4233620
#3	.8147497	1.866600	.9231952	2.029184	.8262533	2.009270	.4240350
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1931958	.1961902	24.84301	.3903915	.2053848	.3089388	3.174515
Stddev	.0005691	.0011147	.05738	.0015815	.0009473	.0026026	.017333
%RSD	.2945811	.5681635	.2309651	.4051196	.4612344	.8424392	.5460072
#1	.1938526	.1953550	24.90407	.3891454	.2048368	.3065797	3.154828
#2	.1928507	.1957597	24.83474	.3898583	.2048389	.3085059	3.187480
#3	.1928839	.1974559	24.79021	.3921707	.2064786	.3117307	3.181238
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5031524	13.84225	.4958003	.0743918	311.7414	.3025951	.4025785
Stddev	.0002465	.05088	.0033397	.0007935	2.2855	.0014605	.0007369
%RSD	.0489965	.3675706	.6735889	1.066724	.7331374	.4826757	.1830553
#1	.5028684	13.86189	.4930026	.0734791	309.3678	.3035062	.4017550
#2	.5032782	13.88039	.4949007	.0749189	313.9272	.3009105	.4028049
#3	.5033107	13.78448	.4994976	.0747773	311.9292	.3033687	.4031758
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.96690	.3611297	.4210607	.6798107	.1984007	6.840316	6.182869
Stddev	.08264	.0014550	.0028649	.0063877	.0004515	.015534	.028432
%RSD	.4138816	.4029109	.6804086	.9396353	.2275478	.2270982	.4598439
#1	19.89122	.3617716	.4198516	.6737422	.1984532	6.836048	6.161320
#2	19.95442	.3621533	.4189986	.6792142	.1979253	6.827362	6.172195
#3	20.05508	.3594640	.4243320	.6864758	.1988236	6.857538	6.215093

Sample Name: P5136-02MSD Acquired: 12/9/2024 14:49:14 Type: Unk
Method: NON EPA-6010-200.7(v2508) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.788712	.2182535	.2979389
Stddev	.036421	.0007182	.0004436
%RSD	.7605522	.3290536	.1488889
#1	4.764862	.2190762	.2984313
#2	4.770640	.2177514	.2975704
#3	4.830635	.2179331	.2978149

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2484.946	56943.17	12843.35	1772.209	3748.820
Stddev	21.275	232.62	21.08	8.273	28.973
%RSD	.8561490	.4085155	.1641535	.4667951	.7728488
#1	2501.508	57208.83	12820.48	1777.866	3769.760
#2	2492.378	56844.72	12847.55	1776.048	3760.945
#3	2460.952	56775.96	12862.01	1762.715	3715.755

Sample Name: P5136-02A Acquired: 12/9/2024 14:53:20 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.8194187	1.850836	.9209456	2.057203	.8317628	2.059051	.4317073
Stddev	.0039714	.022178	.0024615	.008906	.0035674	.008636	.0042297
%RSD	.4846602	1.198287	.2672793	.4328956	.4288935	.4194251	.9797592

#1	.8150246	1.834396	.9191224	2.051931	.8301392	2.057586	.4335393
#2	.8204795	1.842050	.9199688	2.052192	.8292960	2.068326	.4347122
#3	.8227519	1.876061	.9237455	2.067485	.8358532	2.051241	.4268705

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1938202	.1962585	25.10169	.3959125	.2065108	.3123610	3.218525
Stddev	.0010217	.0003310	.12525	.0015338	.0003988	.0012823	.006199
%RSD	.5271555	.1686736	.4989651	.3874152	.1930879	.4105235	.1925957

#1	.1941164	.1958783	25.11866	.3941641	.2065503	.3112553	3.225400
#2	.1946611	.1964150	25.21758	.3970315	.2060938	.3120611	3.213362
#3	.1926831	.1964823	24.96881	.3965420	.2068883	.3137668	3.216813

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5083640	13.96598	.4987049	.0755478	319.3864	.3085051	.4101840
Stddev	.0040693	.04706	.0006611	.0005989	2.1237	.0031141	.0014981
%RSD	.8004750	.3369433	.1325713	.7927648	.6649426	1.009411	.3652178

#1	.5094549	13.94279	.4980436	.0749115	320.7677	.3113302	.4094770
#2	.5117766	14.02013	.4987051	.0756311	320.4506	.3090191	.4119047
#3	.5038604	13.93502	.4993659	.0761007	316.9410	.3051660	.4091702

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.61908	.3627745	.4278948	.6827750	.2016168	7.018643	6.130752
Stddev	.08504	.0019449	.0009149	.0016297	.0022080	.013134	.017781
%RSD	.4124119	.5361203	.2138199	.2386952	1.095158	.1871256	.2900292

#1	20.59500	.3624862	.4272040	.6808969	.2028809	7.005110	6.122028
#2	20.71356	.3648475	.4275481	.6836106	.2029024	7.031337	6.119017
#3	20.54868	.3609899	.4289324	.6838175	.1990673	7.019481	6.151210

Sample Name: P5136-02A Acquired: 12/9/2024 14:53:20 Type: Unk
Method: NON EPA-6010-200.7(v2508) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.787460	.2248540	.3055330
Stddev	.021584	.0028477	.0026334
%RSD	.4508528	1.266457	.8618860
#1	4.768642	.2251419	.3066870
#2	4.782716	.2275469	.3073924
#3	4.811021	.2218734	.3025197

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2438.452	55757.27	12700.78	1705.295	3701.839
Stddev	7.736	110.93	64.49	4.379	7.602
%RSD	.3172573	.1989512	.5077739	.2567686	.2053680
#1	2444.312	55883.90	12667.96	1700.374	3708.777
#2	2441.362	55677.22	12659.30	1706.754	3703.027
#3	2429.683	55710.69	12775.08	1708.759	3693.713

Sample Name: P5112-01 Acquired: 12/9/2024 14:57:27 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0760240	-.014473	4.713551	-.037723	-.003121	69.89795	1.429792
Stddev	.0044266	.000976	.007854	.001902	.001859	.03253	.004347
%RSD	5.822604	6.746336	.1666283	5.043053	59.56801	.0465359	.3040018

#1	.0719345	-.015323	4.722290	-.037480	-.002135	69.92836	1.427187
#2	.0807242	-.014688	4.711281	-.039735	-.005266	69.86366	1.434810
#3	.0754133	-.013407	4.707082	-.035953	-.001963	69.90183	1.427379

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065700	.0107384	113.3248	.5179915	.0804455	.7527327	184.6852
Stddev	.0000164	.0002653	.4837	.0002790	.0002122	.0043508	1.2203
%RSD	.2502170	2.470502	.4268386	.0538583	.2637481	.5780073	.6607253

#1	.0065876	.0110446	112.7721	.5176711	.0804975	.7575789	183.3047
#2	.0065671	.0105937	113.5316	.5181225	.0802121	.7514566	185.6200
#3	.0065551	.0105768	113.6708	.5181809	.0806267	.7491626	185.1309

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.044083	31.78757	.2191059	-.001833	2.255461	.2870010	2.142828
Stddev	.034391	.15523	.0007144	.000058	.028743	.0015804	.001225
%RSD	.6818122	.4883276	.3260382	3.157396	1.274370	.5506681	.0571834

#1	5.004386	31.62273	.2198368	-.001832	2.223848	.2852495	2.141645
#2	5.064858	31.80904	.2190716	-.001892	2.280020	.2874328	2.144092
#3	5.063006	31.93095	.2184093	-.001776	2.262514	.2883206	2.142746

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.70562	.0981511	.0040032	1.445176	3.667639	9.804421	8.746097
Stddev	.03964	.0012412	.0003617	.002718	.011249	.036964	.006739
%RSD	.2695830	1.264553	9.035048	.1880730	.3067043	.3770102	.0770561

#1	14.67878	.0967284	.0043946	1.447785	3.656123	9.764219	8.749807
#2	14.75116	.0990122	.0039338	1.445384	3.678599	9.812105	8.738318
#3	14.68693	.0987128	.0036813	1.442361	3.668195	9.836939	8.750166

Sample Name: P5112-01 Acquired: 12/9/2024 14:57:27 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	2.725435	.0824086	.3695578
Stddev	.001241	.0001968	.0011743
%RSD	.0455475	.2387901	.3177559
#1	2.724556	.0823821	.3696739
#2	2.726855	.0822264	.3706697
#3	2.724894	.0826173	.3683298

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2652.370	60722.06	14016.77	1815.129	3718.468
Stddev	16.788	111.27	12.05	2.082	15.745
%RSD	.6329477	.1832458	.0859809	.1146973	.4234379
#1	2634.678	60679.56	14003.67	1812.837	3701.971
#2	2654.355	60638.30	14019.28	1816.904	3720.101
#3	2668.077	60848.32	14027.38	1815.645	3733.334

Sample Name: P5112-01DUP Acquired: 12/9/2024 15:01:31 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0795320	-.013303	4.518934	-.036258	-.005612	67.07183	1.377015
Stddev	.0012004	.004033	.021594	.002340	.001378	.31050	.011047
%RSD	1.509273	30.31835	.4778498	6.454420	24.56132	.4629401	.8022646
#1	.0788587	-.010184	4.501194	-.033664	-.006981	67.19438	1.380620
#2	.0809179	-.017858	4.512631	-.036900	-.005631	67.30235	1.385809
#3	.0788195	-.011867	4.542979	-.038211	-.004224	66.71875	1.364615
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063691	.0102512	109.2803	.4938205	.0770205	.7223787	175.2846
Stddev	.0000749	.0001386	.3571	.0018062	.0002773	.0031328	1.0311
%RSD	1.175346	1.351750	.3267295	.3657532	.3600119	.4336752	.5882518
#1	.0064541	.0103644	109.1105	.4917517	.0768074	.7191222	174.2067
#2	.0063407	.0100966	109.6906	.4946259	.0769201	.7226430	176.2614
#3	.0063127	.0102925	109.0399	.4950838	.0773340	.7253710	175.3858
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.862268	30.79933	.2101344	-.002314	2.080582	.2753767	2.035328
Stddev	.021030	.08127	.0014437	.000392	.020570	.0014077	.005234
%RSD	.4325180	.2638685	.6870299	16.93011	.9886561	.5111751	.2571713
#1	4.857130	30.71945	.2086442	-.002628	2.073759	.2756172	2.041358
#2	4.885391	30.88192	.2102325	-.002439	2.103696	.2766487	2.031951
#3	4.844283	30.79660	.2115266	-.001875	2.064290	.2738643	2.032677
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.87689	.0938681	.0037033	1.387937	3.530139	9.318443	8.415153
Stddev	.08238	.0018572	.0001193	.008857	.018395	.043947	.085835
%RSD	.5936702	1.978473	3.220675	.6381659	.5210714	.4716105	1.020000
#1	13.88241	.0917596	.0035749	1.379172	3.537031	9.268312	8.317445
#2	13.95638	.0952608	.0038107	1.387755	3.544091	9.350325	8.449608
#3	13.79189	.0945840	.0037242	1.396884	3.509293	9.336692	8.478408

Sample Name: P5112-01DUP Acquired: 12/9/2024 15:01:31 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	2.608009	.0776411	.3566006
Stddev	.022799	.0008117	.0043864
%RSD	.8742026	1.045396	1.230063
#1	2.582294	.0779728	.3594771
#2	2.615984	.0782343	.3587726
#3	2.625750	.0767161	.3515519

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2791.219	63510.20	14393.51	1930.647	3907.492
Stddev	6.942	170.33	55.87	5.696	10.163
%RSD	.2486964	.2681857	.3881349	.2950434	.2600861
#1	2799.234	63649.17	14353.98	1931.849	3916.549
#2	2787.160	63320.19	14369.13	1924.446	3909.425
#3	2787.262	63561.23	14457.42	1935.647	3896.501

Sample Name: P5112-01LX5 Acquired: 12/9/2024 15:05:36 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0153631	-.005323	.9463470	-.008530	-.001203	14.04834	.2848181
Stddev	.0010042	.001509	.0034141	.001140	.000688	.04886	.0005681
%RSD	6.536546	28.34186	.3607658	13.36236	57.16229	.3477971	.1994600
#1	.0149031	-.004874	.9449982	-.007571	-.000438	14.00995	.2848762
#2	.0165149	-.004090	.9438133	-.009790	-.001771	14.03174	.2842232
#3	.0146713	-.007005	.9502294	-.008229	-.001400	14.10334	.2853550
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014685	.0012933	23.53206	.1071066	.0151399	.1624259	37.13299
Stddev	.0000358	.0000796	.12400	.0008283	.0001314	.0013668	.05045
%RSD	2.441635	6.156517	.5269371	.7733256	.8677098	.8414659	.1358685
#1	.0015098	.0012196	23.41164	.1080414	.0150216	.1610299	37.18871
#2	.0014454	.0012827	23.52518	.1064641	.0151167	.1624865	37.11985
#3	.0014502	.0013777	23.65936	.1068144	.0152813	.1637614	37.09040
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.068674	6.618980	.0423523	-.001235	.5132977	.0596928	.4439419
Stddev	.003185	.028642	.0003579	.000176	.0165021	.0015881	.0002911
%RSD	.2979995	.4327253	.8450740	14.27727	3.214925	2.660402	.0655683
#1	1.066677	6.602877	.0419392	-.001086	.4964312	.0605316	.4441414
#2	1.066997	6.602013	.0425462	-.001189	.5140523	.0578612	.4436079
#3	1.072346	6.652049	.0425713	-.001430	.5294096	.0606856	.4440765
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.848779	.0171216	.0004140	.2806129	.7575592	1.853203	1.647850
Stddev	.022969	.0001608	.0001792	.0010639	.0027682	.000940	.005415
%RSD	.8062735	.9391654	43.28693	.3791461	.3654146	.0507107	.3285884
#1	2.837308	.0171231	.0006202	.2793864	.7577026	1.853646	1.642269
#2	2.833804	.0169601	.0003262	.2811649	.7547220	1.852123	1.648201
#3	2.875224	.0172817	.0002956	.2812873	.7602529	1.853838	1.653081

Sample Name: P5112-01LX5 Acquired: 12/9/2024 15:05:36 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.5137417	.0184873	.0746144
Stddev	.0030495	.0002476	.0002150
%RSD	.5935766	1.339216	.2881937
#1	.5144796	.0184884	.0747209
#2	.5103910	.0182392	.0743670
#3	.5163545	.0187344	.0747555

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2837.936	63669.62	13785.69	1975.409	4376.472
Stddev	8.090	139.68	24.41	7.417	11.815
%RSD	.2850803	.2193860	.1770911	.3754679	.2699611
#1	2842.949	63509.87	13781.55	1969.679	4382.836
#2	2842.257	63730.21	13811.91	1983.787	4383.741
#3	2828.603	63768.77	13763.62	1972.762	4362.840

Sample Name: P5112-01MS Acquired: 12/9/2024 15:09:47 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.7434402	1.856253	4.967979	1.596955	.6039377	81.86994
Stddev	.0065778	.017311	.016993	.008250	.0062107	.20706
%RSD	.8847811	.9325898	.3420491	.5165881	1.028369	.2529155

#1	.7396799	1.854754	4.954187	1.593559	.5999462	81.73826
#2	.7396052	1.839740	4.962788	1.590944	.6007737	81.76296
#3	.7510355	1.874265	4.986962	1.606360	.6110933	82.10861

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.532034	.1776241	.1963638	134.1248	.7974188	.2989398
Stddev	.002094	.0003893	.0009443	.5273	.0007007	.0008740
%RSD	.1366772	.2191527	.4809124	.3931093	.0878749	.2923694

#1	1.534357	.1774034	.1955244	133.7065	.7979543	.2981099
#2	1.531451	.1773953	.1961807	133.9508	.7966258	.2988576
#3	1.530293	.1780735	.1973863	134.7171	.7976765	.2998520

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.153992	186.8747	3.738636	42.92619	.7242695	.0614459
Stddev	.003065	.7206	.006527	.24027	.0028391	.0002318
%RSD	.2655695	.3856043	.1745954	.5597331	.3919876	.3772969

#1	1.152724	186.2667	3.734268	42.73142	.7214137	.0611797
#2	1.151765	186.6868	3.735499	42.85247	.7243033	.0616040
#3	1.157487	187.6707	3.746139	43.19469	.7270915	.0615538

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.580991	.5356760	3.921689	24.10704	.3406175	.3637778
Stddev	.005707	.0019792	.022271	.04410	.0034388	.0013179
%RSD	.1245721	.3694692	.5678872	.1829302	1.009591	.3622714

#1	4.583256	.5369805	3.915250	24.14782	.3396710	.3630741
#2	4.574499	.5366488	3.903346	24.06024	.3377511	.3629611
#3	4.585217	.5333987	3.946469	24.11305	.3444305	.3652981

Sample Name: P5112-01MS Acquired: 12/9/2024 15:09:47 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	2.221273	3.960652	9.114031	F 13.30487	3.465302	.2824781
Stddev	.009502	.005191	.037839	.06571	.018173	.0011967
%RSD	.4277566	.1310686	.4151713	.4938640	.5244412	.4236534
#1	2.217230	3.961390	9.078089	13.25300	3.453104	.2838597
#2	2.214462	3.955131	9.110485	13.28287	3.456614	.2818122
#3	2.232128	3.965434	9.153517	13.37876	3.486189	.2817625

Elem	Sr4077
Units	ppm
Avg	.5107258
Stddev	.0009499
%RSD	.1859995
#1	.5118145
#2	.5102978
#3	.5100652

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2814.082	64323.80	14178.89	1971.429	3849.141
Stddev	6.648	91.41	36.41	18.315	7.447
%RSD	.2362227	.1421031	.2567595	.9290360	.1934655
#1	2817.618	64225.22	14141.10	1953.135	3855.909
#2	2818.213	64405.74	14213.73	1989.766	3850.349
#3	2806.414	64340.45	14181.86	1971.385	3841.164

Sample Name: CCV04 Acquired: 12/9/2024 15:13:44 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	4.845613	5.092131	4.717162	4.943010	4.937896	9.581144	9.626097
Stddev	.025084	.046629	.019141	.021846	.019262	.010663	.017576
%RSD	.5176638	.9156976	.4057646	.4419522	.3900810	.1112929	.1825857
#1	4.820739	5.059938	4.706377	4.934157	4.920923	9.593061	9.624682
#2	4.845198	5.070851	4.705847	4.926981	4.933934	9.572503	9.644338
#3	4.870902	5.145603	4.739261	4.967893	4.958831	9.577867	9.609272
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2344364	2.373986	23.18121	.9521911	2.360736	1.224573	4.715135
Stddev	.0009010	.009255	.06544	.0010081	.009105	.004919	.016927
%RSD	.3843436	.3898319	.2822812	.1058717	.3857023	.4017252	.3590008
#1	.2339848	2.368221	23.12694	.9510277	2.355050	1.221193	4.695644
#2	.2338504	2.369075	23.16282	.9528078	2.355920	1.222309	4.726156
#3	.2354739	2.384660	23.25388	.9527376	2.371238	1.230217	4.723604
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.318397	23.03421	2.365125	1.198558	23.84071	2.364989	2.414608
Stddev	.006750	.07984	.009060	.003482	.21646	.005482	.013566
%RSD	.2911384	.3466341	.3830483	.2905133	.9079295	.2318156	.5618402
#1	2.314803	22.99348	2.359789	1.199230	23.98019	2.367137	2.425961
#2	2.314205	22.98294	2.360002	1.201654	23.95059	2.358758	2.418280
#3	2.326184	23.12620	2.375586	1.194788	23.59135	2.369072	2.399584
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.26584	4.715975	4.970100	4.747229	4.741096	4.613371	4.631539
Stddev	.11733	.010006	.026916	.021577	.003380	.022588	.029437
%RSD	.4835086	.2121705	.5415517	.4545081	.0712946	.4896219	.6355828
#1	24.30746	4.719451	4.946508	4.733171	4.744885	4.588799	4.616475
#2	24.35668	4.704695	4.964375	4.736445	4.738389	4.633233	4.612682
#3	24.13338	4.723779	4.999418	4.772072	4.740015	4.618079	4.665459

Sample Name: CCV04 Acquired: 12/9/2024 15:13:44 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	4.706415	4.843014	4.843994
Stddev	.014384	.021626	.041567
%RSD	.3056307	.4465416	.8581134
#1	4.709129	4.863434	4.861667
#2	4.690867	4.845252	4.796511
#3	4.719249	4.820356	4.873804

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2668.133	60076.86	13315.84	1860.415	4087.016
Stddev	8.715	180.01	38.54	18.776	11.422
%RSD	.3266226	.2996369	.2893990	1.009264	.2794619
#1	2675.057	59978.50	13282.05	1840.147	4094.166
#2	2670.996	59967.45	13357.81	1863.882	4093.039
#3	2658.347	60284.62	13307.66	1877.217	4073.844

Sample Name: CCB04 Acquired: 12/9/2024 15:17:55 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.001196	-.002098	-.000670	.0004023	-.000062	-.001250	-.004261
Stddev	.000822	.001789	.000773	.0010925	.001753	.003752	.000239
%RSD	68.72167	85.26875	115.3879	271.5760	2828.494	300.1525	5.617274
#1	-.000443	-.003995	-.000396	.0016565	.000450	-.000166	-.003985
#2	-.002072	-.000442	-.001543	-.000109	.001378	.001840	-.004399
#3	-.001072	-.001858	-.000071	-.000341	-.002014	-.005425	-.004400
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000050	-.000000	-.003764	.0000750	-.000027	.0002583	-.002982
Stddev	.000017	.000121	.002391	.0000632	.000113	.0002166	.003250
%RSD	34.18572	50584.41	63.52028	84.26817	421.8739	83.85490	109.0055
#1	-.000065	-.000140	-.005266	.0001181	.000063	.0001160	.000418
#2	-.000032	.000070	-.001007	.0001044	-.000153	.0001513	-.003304
#3	-.000052	.000069	-.005019	.0000024	.000011	.0005075	-.006058
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000021	-.000908	.0000008	-.000192	.0881289	-.000089	.0000688
Stddev	.000107	.006846	.0001815	.000558	.0173465	.001472	.0001942
%RSD	510.6982	753.6258	22658.23	290.9277	19.68310	1650.517	282.4687
#1	-.000067	.006602	-.000013	.000164	.0707639	-.000123	.0002477
#2	.000101	-.006801	-.000174	.000095	.0881661	.001400	-.000138
#3	-.000097	-.002526	.000189	-.000835	.1054569	-.001544	.000096
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1280331	.0031908	.0005772	.0003654	.0007779	-.019770	.0020892
Stddev	.0396884	.0001740	.0002991	.0002162	.0004014	.001321	.0008986
%RSD	30.99858	5.454036	51.82986	59.16266	51.59686	6.682106	43.01337
#1	.0822125	.0033048	.0006632	.0005814	.0011456	-.019969	.0029764
#2	.1502159	.0029905	.0008239	.0001490	.0003497	-.020981	.0011795
#3	.1516707	.0032772	.0002445	.0003659	.0008385	-.018361	.0021118

Sample Name: CCB04 Acquired: 12/9/2024 15:17:55 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0007137	.0014380	.0001059
Stddev	.0036005	.0007613	.0000110
%RSD	504.5019	52.93961	10.41988
#1	-.002734	.0023077	.0000940
#2	.000426	.0011139	.0001158
#3	.004450	.0008924	.0001078

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2796.129	62652.34	13433.92	1912.119	4629.624
Stddev	7.115	133.15	23.97	6.283	13.067
%RSD	.2544687	.2125292	.1784357	.3286040	.2822510
#1	2787.961	62580.65	13416.37	1906.330	4614.717
#2	2800.983	62570.39	13424.16	1911.227	4639.100
#3	2799.443	62805.98	13461.23	1918.801	4635.053

Sample Name: P5112-01MSD Acquired: 12/9/2024 15:22:15 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.7496301	1.800765	4.928865	1.600661	.6046226	82.17342
Stddev	.0049187	.011734	.005400	.005880	.0009671	.28256
%RSD	.6561522	.6515943	.1095638	.3673681	.1599477	.3438638

#1	.7460937	1.807298	4.932617	1.602834	.6038636	82.14888
#2	.7552472	1.807779	4.922676	1.605145	.6042928	81.90393
#3	.7475494	1.787219	4.931304	1.594003	.6057115	82.46746

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.514256	.1744079	.1943811	133.2425	.7992938	.2968353
Stddev	.004960	.0002065	.0003991	.4004	.0036271	.0008145
%RSD	.3275387	.1183879	.2053068	.3005271	.4537936	.2743873

#1	1.510455	.1746268	.1946094	132.7835	.8011464	.2971425
#2	1.512446	.1743801	.1939203	133.4242	.8016204	.2959119
#3	1.519866	.1742167	.1946136	133.5199	.7951144	.2974516

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.151923	187.4184	3.684437	42.64454	.7195430	.0618450
Stddev	.001246	.5334	.016074	.09759	.0009420	.0002392
%RSD	.1081975	.2846173	.4362693	.2288517	.1309103	.3867604

#1	1.150720	186.8795	3.665879	42.53320	.7196822	.0618587
#2	1.151839	187.9462	3.693963	42.68514	.7185392	.0615993
#3	1.153209	187.4296	3.693471	42.71528	.7204077	.0620771

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.553277	.5355772	3.927716	24.45277	.3412069	.3643213
Stddev	.016326	.0018324	.020935	.05218	.0008388	.0005471
%RSD	.3585489	.3421433	.5330132	.2133962	.2458252	.1501817

#1	4.548556	.5346568	3.924974	24.40875	.3404903	.3648622
#2	4.571443	.5343874	3.949887	24.51041	.3421294	.3637681
#3	4.539832	.5376874	3.908287	24.43916	.3410008	.3643336

Sample Name: P5112-01MSD Acquired: 12/9/2024 15:22:15 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	2.197262	3.932324	9.243232	F 12.97644	3.418699	.2814836
Stddev	.002834	.009589	.022312	.05965	.005659	.0006038
%RSD	.1289908	.2438552	.2413862	.4597037	.1655347	.2144891
#1	2.200535	3.924718	9.265317	13.02541	3.424888	.2814668
#2	2.195652	3.929159	9.220700	12.99392	3.413789	.2808884
#3	2.195600	3.943096	9.243679	12.91001	3.417421	.2820955

Elem	Sr4077
Units	ppm
Avg	.5062496
Stddev	.0016108
%RSD	.3181900
#1	.5058183
#2	.5048983
#3	.5080322

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2798.012	63810.35	14339.23	1929.526	3853.890
Stddev	5.324	244.96	16.13	8.715	6.187
%RSD	.1902823	.3838887	.1124833	.4516737	.1605385
#1	2796.818	63556.44	14321.11	1928.713	3848.304
#2	2793.387	63829.34	14344.55	1921.246	3852.825
#3	2803.832	64045.26	14352.03	1938.620	3860.540

Sample Name: P5112-01A Acquired: 12/9/2024 15:26:12 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.7366629	1.792882	4.905578	1.582164	.5973813	81.80608
Stddev	.0054710	.030711	.022919	.011955	.0059571	.29111
%RSD	.7426791	1.712943	.4672002	.7556368	.9971972	.3558537
#1	.7309911	1.764295	4.896063	1.578575	.5947165	81.47007
#2	.7419083	1.789003	4.888950	1.572414	.5932217	81.96593
#3	.7370893	1.825348	4.931722	1.595503	.6042056	81.98225
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.511404	.1756926	.1939767	132.7714	.7977026	.2951442
Stddev	.008067	.0003117	.0008669	.3041	.0009413	.0009915
%RSD	.5337692	.1773901	.4469152	.2290694	.1179992	.3359520
#1	1.502852	.1758368	.1937090	132.4226	.7966330	.2950753
#2	1.518879	.1759060	.1932753	132.9811	.7984047	.2941888
#3	1.512482	.1753349	.1949459	132.9106	.7980702	.2961683
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.144042	185.3829	3.676204	42.60345	.7171600	.0606290
Stddev	.004363	1.0169	.015599	.13013	.0023341	.0003838
%RSD	.3813474	.5485454	.4243184	.3054547	.3254584	.6329668
#1	1.144432	184.2116	3.661759	42.45751	.7170958	.0610647
#2	1.139497	185.8962	3.692745	42.70744	.7148588	.0603414
#3	1.148196	186.0407	3.674109	42.64539	.7195256	.0604808
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.487851	.5329905	3.914154	24.01558	.3409615	.3602977
Stddev	.040337	.0027570	.022188	.19365	.0016705	.0018084
%RSD	.8988145	.5172654	.5668769	.8063704	.4899310	.5019263
#1	4.441280	.5345736	3.903509	23.79764	.3391864	.3600171
#2	4.510439	.5345907	3.899295	24.08118	.3411953	.3586460
#3	4.511834	.5298070	3.939660	24.16791	.3425028	.3622301

Sample Name: P5112-01A Acquired: 12/9/2024 15:26:12 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	2.193012	3.924179	9.213202	F 13.03818	3.406118	.2795534
Stddev	.013902	.012112	.026012	.07925	.016374	.0015851
%RSD	.6339018	.3086390	.2823386	.6078446	.4807089	.5670038
#1	2.189375	3.910268	9.183291	13.00633	3.393369	.2779123
#2	2.181291	3.932381	9.230540	12.97982	3.400402	.2810757
#3	2.208371	3.929887	9.225773	13.12841	3.424584	.2796721

Elem	Sr4077
Units	ppm
Avg	.5034779
Stddev	.0024282
%RSD	.4822914
#1	.5007126
#2	.5052618
#3	.5044593

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2836.481	64593.38	14324.23	1958.228	3893.233
Stddev	13.096	20.85	52.19	6.236	15.461
%RSD	.4616885	.0322785	.3643584	.3184335	.3971176
#1	2829.406	64582.41	14275.41	1957.725	3891.259
#2	2851.593	64617.43	14318.05	1964.699	3909.586
#3	2828.445	64580.31	14379.24	1952.258	3878.854

Sample Name: P5133-01 Acquired: 12/9/2024 15:30:07 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.7628304	.0052958	.2037760	-.061440	.0274257	56.69095	2.320216
Stddev	.0112536	.0041115	.0025819	.000505	.0008691	.39682	.011314
%RSD	1.475248	77.63603	1.267050	.8225411	3.168879	.6999733	.4876430
#1	.7584492	.0090165	.2018483	-.060950	.0279432	56.31989	2.312920
#2	.7544262	.0008818	.2027703	-.061960	.0279116	56.64367	2.314479
#3	.7756157	.0059892	.2067095	-.061410	.0264224	57.10929	2.333250
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108016	.0175102	58.94594	.6560921	.0647541	1.377454	276.9400
Stddev	.0002164	.0004176	.61409	.0097163	.0006316	.007696	3.9266
%RSD	2.003492	2.384781	1.041787	1.480930	.9753675	.5587476	1.417850
#1	.0107116	.0171174	58.47271	.6549342	.0640580	1.370805	275.8938
#2	.0106447	.0179488	58.72522	.6470067	.0649141	1.375671	273.6425
#3	.0110485	.0174643	59.63988	.6663355	.0652904	1.385885	281.2838
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.562441	15.51698	.2081757	-.009356	65.85296	.2075849	2.799901
Stddev	.033361	.14715	.0017156	.000400	.68636	.0019839	.042266
%RSD	.9364746	.9483008	.8240904	4.270523	1.042265	.9557071	1.509542
#1	3.541816	15.40245	.2066187	-.009197	65.87615	.2053043	2.799179
#2	3.544577	15.46554	.2078934	-.009060	65.15529	.2089118	2.758001
#3	3.600931	15.68294	.2100148	-.009810	66.52742	.2085388	2.842523
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.84739	.2764335	.0933227	.1480960	1.126864	2.485591	4.999620
Stddev	.25432	.0030371	.0009116	.0011793	.007781	.033395	.049225
%RSD	1.023519	1.098671	.9768378	.7962856	.6905434	1.343547	.9845802
#1	24.79234	.2768609	.0927822	.1473265	1.121654	2.471538	4.957718
#2	24.62510	.2732053	.0928107	.1475077	1.123128	2.461519	4.987311
#3	25.12472	.2792343	.0943752	.1494536	1.135808	2.523716	5.053832

Sample Name: P5133-01 Acquired: 12/9/2024 15:30:07 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	6.898243	.0154458	.6892817
Stddev	.052053	.0001809	.0055315
%RSD	.7545789	1.171027	.8025089
#1	6.860434	.0152697	.6829684
#2	6.876683	.0156311	.6932780
#3	6.957611	.0154366	.6915986

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3006.422	68567.02	15741.07	2097.062	3861.361
Stddev	15.542	740.05	77.86	17.641	22.375
%RSD	.5169695	1.079308	.4946121	.8412251	.5794581
#1	3014.579	68419.64	15757.82	2092.875	3875.610
#2	3016.187	69369.67	15809.19	2116.419	3872.900
#3	2988.499	67911.75	15656.20	2081.890	3835.572

Sample Name: P5136-01 Acquired: 12/9/2024 15:34:20 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0689336	-.023707	.5054972	-.031915	.0056895	97.89474
Stddev	.0020519	.001101	.0036797	.001317	.0021872	.41755
%RSD	2.976641	4.644939	.7279463	4.126791	38.44324	.4265331
#1	.0666138	-.024958	.5012548	-.031416	.0082119	97.48149
#2	.0696758	-.023277	.5074130	-.030921	.0045372	97.88626
#3	.0705111	-.022885	.5078237	-.033409	.0043193	98.31647
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.535855	.0276790	.0296573	92.86538	.4745426	.2707577
Stddev	.006900	.0000712	.0002091	.66888	.0013059	.0015704
%RSD	.4492582	.2571573	.7048903	.7202711	.2751899	.5799831
#1	1.527888	.0276467	.0294502	92.17967	.4757223	.2690985
#2	1.539879	.0276297	.0296535	92.90042	.4731393	.2709538
#3	1.539799	.0277606	.0298683	93.51605	.4747662	.2722207
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2935295	144.4003	4.140683	95.66728	.3292374	-.004957
Stddev	.0008209	.9031	.026762	.76499	.0025708	.000213
%RSD	.2796651	.6253852	.6463279	.7996380	.7808356	4.289293
#1	.2926377	143.5075	4.113350	94.87664	.3264893	-.005164
#2	.2936975	144.3803	4.141864	95.72145	.3296395	-.004969
#3	.2942535	145.3132	4.166835	96.40375	.3315835	-.004739
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.434767	.4644453	1.208190	22.70864	.1104562	.0149038
Stddev	.017188	.0029805	.002093	.12311	.0001855	.0004804
%RSD	.3162595	.6417281	.1732117	.5421309	.1679621	3.223628
#1	5.415629	.4610747	1.205806	22.57450	.1105581	.0146129
#2	5.439780	.4655283	1.209725	22.73497	.1105683	.0146402
#3	5.448890	.4667329	1.209038	22.81646	.1102420	.0154583

Sample Name: P5136-01 Acquired: 12/9/2024 15:34:20 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0300528	.6513588	2.308346	F 39.42189	F 11.72762	.0363439
Stddev	.0008207	.0029588	.019134	.24862	.07921	.0012012
%RSD	2.731025	.4542563	.8289120	.6306694	.6754165	3.305058
#1	.0292512	.6480036	2.289030	39.16330	11.65587	.0354144
#2	.0308915	.6524785	2.308715	39.44321	11.71436	.0359171
#3	.0300157	.6535945	2.327293	39.65917	11.81262	.0377002

Elem	Sr4077
Units	ppm
Avg	.3624356
Stddev	.0014105
%RSD	.3891621
#1	.3608294
#2	.3634721
#3	.3630053

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3755.577	86522.18	19881.25	2616.170	3652.184
Stddev	11.383	57.84	12.76	8.030	16.896
%RSD	.3030851	.0668464	.0641632	.3069428	.4626235
#1	3757.838	86456.03	19873.33	2616.316	3664.466
#2	3765.660	86547.24	19874.45	2608.067	3659.170
#3	3743.234	86563.25	19895.96	2624.126	3632.915

Sample Name: P5137-01 Acquired: 12/9/2024 15:38:23 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.000096	-.023416	.0249855	-.026670	.0009853	64.31156	.0805963
Stddev	.005947	.002645	.0005646	.002416	.0014697	.42926	.0006655
%RSD	6170.044	11.29342	2.259532	9.059581	149.1575	.6674646	.8257473
#1	.004793	-.026278	.0249413	-.028933	.0026619	63.88815	.0799369
#2	.001635	-.022909	.0255708	-.024125	-.000080	64.30008	.0805841
#3	-.006717	-.021062	.0244443	-.026951	.000375	64.74644	.0812678
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019196	.0050200	43.60270	.0575946	.1405573	1.212009	136.2455
Stddev	.0000651	.0005377	.26547	.0002695	.0026837	.018871	.4926
%RSD	3.391021	10.71146	.6088410	.4679008	1.909363	1.556970	.3615487
#1	.0018552	.0048317	43.30641	.0573046	.1391594	1.204521	135.6795
#2	.0019854	.0046017	43.68275	.0578374	.1388611	1.198031	136.4797
#3	.0019181	.0056265	43.81893	.0576417	.1436514	1.233474	136.5773
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8683358	57.73130	.3020253	-.003317	7.211885	.5313694	.2766754
Stddev	.0052002	.36229	.0059453	.000336	.023936	.0024276	.0012153
%RSD	.5988735	.6275399	1.968469	10.11594	.3319011	.4568532	.4392460
#1	.8624133	57.32396	.2997053	-.003667	7.186976	.5291249	.2754060
#2	.8704395	57.85248	.2975899	-.002998	7.213964	.5310374	.2767919
#3	.8721547	58.01747	.3087808	-.003287	7.234713	.5339459	.2778282
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.02039	.0756577	.0000800	.0064098	2.091048	4.524258	8.941992
Stddev	.08975	.0007529	.0001737	.0007745	.010009	.011976	.167658
%RSD	.7466628	.9951454	216.9701	12.08300	.4786565	.2647169	1.874953
#1	11.92998	.0749449	-.000083	.0068773	2.079519	4.510428	8.883814
#2	12.02172	.0764452	.000061	.0055158	2.096118	4.531193	8.811173
#3	12.10947	.0755829	.000262	.0068363	2.097508	4.531151	9.130990

Sample Name: P5137-01 Acquired: 12/9/2024 15:38:23 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	2.272878	.1206865	-.023095
Stddev	.035665	.0004927	.000151
%RSD	1.569162	.4082648	.6528586
#1	2.260822	.1206897	-.023168
#2	2.244804	.1201922	-.023196
#3	2.313009	.1211776	-.022922

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2896.290	66273.61	15028.26	2002.520	4001.774
Stddev	35.321	122.99	13.30	1.888	65.100
%RSD	1.219534	.1855755	.0885184	.0943037	1.626772
#1	2908.972	66133.19	15018.60	2001.374	4026.421
#2	2923.519	66362.19	15022.74	2004.699	4050.952
#3	2856.378	66325.46	15043.43	2001.485	3927.950

Sample Name: LR1 Acquired: 12/9/2024 15:42:06 Type: Unk
Method: NON EPA-6010-200.7(v2512) 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	.0130892	-.033237	.0509394	-.276965	-.015836	2134.523	.0100731
Stddev	.0056519	.014076	.0035085	.017758	.002994	11.738	.0005176
%RSD	43.17982	42.34927	6.887682	6.411797	18.90986	.5499029	5.138425

#1	.0150520	-.035816	.0543618	-.266121	-.016050	2121.828	.0104233
#2	.0174980	-.018050	.0511057	-.267315	-.018717	2144.983	.0103175
#3	.0067176	-.045845	.0473507	-.297459	-.012739	2136.757	.0094786

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097143	.1077308	1881.231	.0013010	.0399015	-.001342	947.8118
Stddev	.0002336	.0017544	7.273	.0033707	.0006824	.008881	7.9332
%RSD	2.404922	1.628475	.3866102	259.0827	1.710325	661.8559	.8369968

#1	.0095747	.1062702	1882.595	-.000645	.0394925	-.009709	956.2630
#2	.0099840	.1072456	1887.726	.005193	.0406893	-.002291	946.6470
#3	.0095841	.1096768	1873.373	-.000645	.0395226	.007975	940.5255

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.115395	1965.975	.0136363	-.062993	1913.390	.0746606	.2588828
Stddev	.001520	5.264	.0010058	.002036	18.167	.0013786	.0020487
%RSD	1.317439	.2677446	7.376134	3.232022	.9494612	1.846422	.7913411

#1	-.114805	1962.686	.0146266	-.060653	1934.143	.0762454	.2584217
#2	-.117121	1972.046	.0126156	-.063968	1905.665	.0737391	.2571040
#3	-.114258	1963.194	.0136667	-.064358	1900.362	.0739973	.2611227

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1473.776	.3816489	-.014537	.0061908	-.034927	.1152306	.0743680
Stddev	16.626	.0069296	.000566	.0061351	.001603	.0063034	.0044570
%RSD	1.128153	1.815694	3.892426	99.10095	4.589583	5.470241	5.993232

#1	1490.110	.3895712	-.015049	.0050158	-.035105	.1184993	.0759382
#2	1474.344	.3767147	-.014633	.0128284	-.036433	.1079643	.0778274
#3	1456.872	.3786609	-.013930	.0007281	-.033242	.1192283	.0693383

Sample Name: LR1 Acquired: 12/9/2024 15:42:06 Type: Unk
Method: NON EPA-6010-200.7(v2512) 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	-.207068	-.305372	-.936885
Stddev	.003564	.001293	.007977
%RSD	1.721310	.4235822	.8514703
#1	-.203010	-.305110	-.945392
#2	-.209693	-.306777	-.935691
#3	-.208501	-.304230	-.929572

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1685.171	39978.73	10608.67	1164.844	2282.845
Stddev	4.707	100.04	63.41	2.855	4.974
%RSD	.2793348	.2502396	.5976784	.2451210	.2179024
#1	1687.468	39932.01	10676.05	1166.790	2286.617
#2	1688.288	39910.59	10550.18	1161.566	2284.711
#3	1679.756	40093.58	10599.78	1166.176	2277.207

Sample Name: LR2 Acquired: 12/9/2024 15:47:04 Type: Unk
Method: NON EPA-6010-200.7(v2512) 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	.0045134	-.034862	248.4315	.0114929	.0004711	.0390046	^F *****
Stddev	.0021366	.003039	.5807	.0013306	.0009098	.0073309	----
%RSD	47.33827	8.717295	.2337412	11.57775	193.1186	18.79507	----

#1	.0063594	-.035770	247.7955	.0129350	.0013376	.0472858	^ ----
#2	.0050079	-.031472	248.9336	.0112307	.0005523	.0363835	^ ----
#3	.0021729	-.037343	248.5653	.0103128	-.000477	.0333444	^ ----

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003239	-.005684	.2073186	.0103129	-.012108	272.9120	-.014318
Stddev	.000078	.000069	.0082944	.0000669	.000085	2.9181	.003307
%RSD	2.404250	1.216967	4.000785	.6484028	.6982609	1.069245	23.09863

#1	-.003287	-.005665	.2143349	.0102890	-.012069	269.8609	-.010894
#2	-.003280	-.005625	.2094561	.0103885	-.012205	275.6758	-.014565
#3	-.003149	-.005760	.1981646	.0102613	-.012051	273.1993	-.017494

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.42575	-.098685	54.32547	.0043451	.5080625	-.017362	38.49158
Stddev	.18287	.009766	.14027	.0002249	.0211248	.001431	.32430
%RSD	.4414393	9.895889	.2581988	5.174966	4.157907	8.241570	.8425191

#1	41.45365	-.087861	54.22582	.0045874	.4837343	-.018105	38.86283
#2	41.23054	-.101356	54.48587	.0043047	.5217629	-.015712	38.34838
#3	41.59307	-.106837	54.26472	.0041431	.5186902	-.018268	38.26353

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5863226	-.003331	-.006931	-.006105	-.039439	-.021223	3.225521
Stddev	.0086513	.000225	.000205	.000789	.000261	.002905	.042728
%RSD	1.475512	6.744734	2.964898	12.92475	.6606959	13.68918	1.324688

#1	.5960557	-.003387	-.006997	-.005464	-.039292	-.020615	3.187154
#2	.5834038	-.003523	-.006700	-.005863	-.039285	-.024384	3.217841
#3	.5795082	-.003084	-.007095	-.006986	-.039740	-.018669	3.271568

Sample Name: LR2 Acquired: 12/9/2024 15:47:04 Type: Unk
Method: NON EPA-6010-200.7(v2512) 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	-.001831	.0023326	.0018429
Stddev	.004589	.0007485	.0000310
%RSD	250.6729	32.09059	1.683459
#1	-.006951	.0015842	.0018091
#2	.001913	.0030813	.0018496
#3	-.000454	.0023323	.0018700

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2390.700	62519.44	13599.16	1821.007	4291.326
Stddev	19.648	78.34	76.20	7.207	22.417
%RSD	.8218597	.1253090	.5603574	.3957841	.5223807
#1	2413.370	62477.12	13534.03	1816.299	4317.048
#2	2380.135	62471.35	13682.97	1817.418	4280.981
#3	2378.593	62609.84	13580.49	1829.304	4275.950

Sample Name: CCV05 Acquired: 12/9/2024 15:52:52 Type: Unk
Method: NON EPA-6010-200.7(v2513) 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	4.805608	4.866889	4.608517	4.896960	4.927207	9.431417	9.702992
Stddev	.027934	.035378	.018189	.033137	.033776	.037798	.108848
%RSD	.5812760	.7269155	.3946764	.6766952	.6855004	.4007617	1.121801

#1	4.790482	4.872357	4.604050	4.892434	4.919240	9.404920	9.583639
#2	4.788500	4.829095	4.592977	4.866318	4.898127	9.414631	9.728552
#3	4.837843	4.899215	4.628522	4.932128	4.964255	9.474701	9.796786

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2288567	2.319855	22.65343	.9254780	2.316360	1.218524	4.667854
Stddev	.0006876	.006701	.16562	.0028616	.008556	.008139	.030828
%RSD	.3004580	.2888338	.7310866	.3092020	.3693846	.6679681	.6604317

#1	.2283549	2.317962	22.47833	.9263179	2.314584	1.216083	4.637809
#2	.2285747	2.314304	22.67440	.9222904	2.308831	1.211884	4.666343
#3	.2296405	2.327298	22.80757	.9278256	2.325665	1.227605	4.699409

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.301671	24.37508	2.323332	1.176028	23.77141	2.334512	2.352075
Stddev	.017314	.22494	.009274	.004476	.08928	.016561	.020841
%RSD	.7522486	.9228164	.3991523	.3805811	.3755655	.7094127	.8860819

#1	2.283179	24.15801	2.319764	1.175719	23.87449	2.319895	2.365629
#2	2.304335	24.36009	2.316373	1.171715	23.71908	2.331142	2.328077
#3	2.317499	24.60713	2.333860	1.180650	23.72065	2.352500	2.362519

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.40962	4.650129	4.901329	4.628788	4.704203	4.548532	4.574988
Stddev	.09426	.017432	.029843	.019058	.026334	.048618	.018918
%RSD	.3861674	.3748614	.6088780	.4117376	.5597931	1.068862	.4135029

#1	24.35963	4.639047	4.890662	4.628951	4.676260	4.503082	4.571802
#2	24.35089	4.641119	4.878285	4.609648	4.707787	4.542719	4.557865
#3	24.51835	4.670222	4.935040	4.647764	4.728561	4.599795	4.595296

Sample Name: CCV05 Acquired: 12/9/2024 15:52:52 Type: Unk
Method: NON EPA-6010-200.7(v2513) 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	4.615096	4.919489	4.837621
Stddev	.021195	.016049	.031873
%RSD	.4592625	.3262337	.6588482

#1	4.613430	4.901240	4.854786
#2	4.594783	4.925822	4.857233
#3	4.637076	4.931406	4.800845

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2652.051	60633.87	13428.29	1857.055	4084.124
Stddev	17.929	173.52	24.87	18.713	19.125
%RSD	.6760437	.2861772	.1852233	1.007696	.4682755

#1	2657.022	60544.85	13441.60	1839.747	4085.410
#2	2666.971	60833.83	13443.67	1876.913	4102.574
#3	2632.162	60522.93	13399.60	1854.505	4064.389

Sample Name: CCB05 Acquired: 12/9/2024 15:56:54 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	-.000524	-.000960	-.000754	.0001082	.0001021	-.003837	-.005924
Stddev	.003270	.000857	.000095	.0006931	.0006689	.003120	.000431
%RSD	624.5354	89.22136	12.61094	640.8119	655.3322	81.30259	7.277223
#1	-.004299	-.000526	-.000734	-.000672	-.000425	-.003119	-.006060
#2	.001317	-.001947	-.000671	.000654	.000855	-.007253	-.006272
#3	.001411	-.000408	-.000858	.000342	-.000124	-.001139	-.005442
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000039	-.000145	-.017779	-.000038	-.000154	.0003051	-.008473
Stddev	.000007	.000056	.002696	.000408	.000080	.0001250	.002626
%RSD	17.40980	38.92259	15.16154	1070.700	52.26846	40.96910	30.99365
#1	-.000044	-.000192	-.016851	-.000457	-.000231	.0002868	-.010014
#2	-.000041	-.000160	-.020816	.000358	-.000160	.0001903	-.009964
#3	-.000031	-.000083	-.015670	-.000015	-.000071	.0004383	-.005441
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000260	-.008224	-.000107	-.000046	.2573356	-.000068	-.000642
Stddev	.000027	.001547	.000314	.000111	.0163615	.000928	.000120
%RSD	10.52847	18.80642	293.2006	238.7835	6.358047	1356.527	18.67696
#1	-.000289	-.008633	-.000469	-.000151	.2456373	-.000464	-.000605
#2	-.000256	-.006514	.000085	-.000057	.2503372	.000992	-.000775
#3	-.000235	-.009525	.000063	.000069	.2760324	-.000733	-.000544
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2131418	.0022235	.0004776	-.000075	.0003186	-.013345	.0024146
Stddev	.0212578	.0007830	.0002433	.000202	.0003513	.003580	.0015654
%RSD	9.973550	35.21345	50.94420	267.6266	110.2732	26.82664	64.83207
#1	.1906917	.0029276	.0005023	.000110	.0002740	-.012570	.0041973
#2	.2157711	.0023627	.0007076	-.000046	-.000008	-.017249	.0012645
#3	.2329627	.0013803	.0002229	-.000290	.000690	-.010216	.0017820

Sample Name: CCB05 Acquired: 12/9/2024 15:56:54 Type: Unk
Method: NON EPA-6010-200.7(v2508) 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	.0000872	.0019654	.0000127
Stddev	.0006557	.0003160	.0000198
%RSD	752.2148	16.07532	155.5131
#1	-.000493	.0017865	.0000191
#2	-.000045	.0017795	.0000285
#3	.000799	.0023302	-.000009

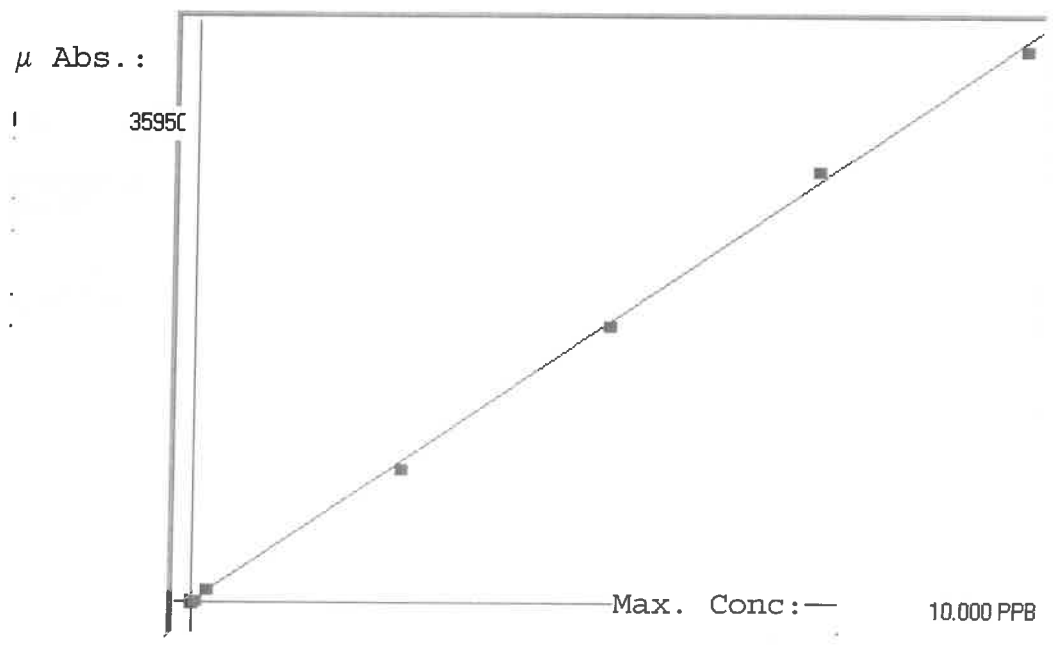
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2812.632	63610.26	13516.84	1944.286	4674.115
Stddev	16.879	194.70	54.10	11.728	31.479
%RSD	.6001279	.3060785	.4002337	.6032032	.6734803
#1	2795.871	63386.47	13460.28	1931.339	4639.413
#2	2829.627	63740.71	13568.08	1954.198	4700.834
#3	2812.396	63703.62	13522.17	1947.322	4682.099

LB133684

245.1

INSTRUMENT ID: CV1

Linear



A= 0.0000e+000
B= 2.7481e-004
C= -8.4750e-003
Rho= 0.9995697
Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	0/1/2
0.0	0.000	0.008	0.008	59	0.000	59					-
0.05	0.050	0.059	0.009	245	0.0 %	245	0				18
0.2	0.200	0.238	0.038	898	0.0 %	898					19
2.5	2.500	2.395	-0.105	8747	0.0 %	8747					-4
5.0	5.000	4.952	-0.048	18051	0.0 %	18051					-1
7.5	7.500	7.727	0.227	28148	0.0 %	28148					3
10.0	10.000	9.871	-0.129	35950	0.0 %	35950					-1

LB133684 INSTRUMENT ID : CV1

Method: 245.1

Operator: Admin

Date of Analysis: 02 Dec 2024 12:24:16

Sample ID	Extended ID	μ Abs.	Conc.	Std Conc	Method	Units	Date	Type	Type
0.0 - 1	50	59	-	0.0000	245.1	PPB	02 Dec 2024 13:12:29	S	Std
0.05 - 1	50.05	245	-	0.0500	245.1	PPB	02 Dec 2024 13:17:41	S	Std
0.2 - 1	50.2	898	-	0.2000	245.1	PPB	02 Dec 2024 13:21:20	S	Std
2.5 - 1	52.5	8747	-	2.5000	245.1	PPB	02 Dec 2024 13:23:37	S	Std
5.0 - 1	55	18051	-	5.0000	245.1	PPB	02 Dec 2024 13:25:53	S	Std
7.5 - 1	57.5	28148	-	7.5000	245.1	PPB	02 Dec 2024 13:28:09	S	Std
10.0 - 1	570	35950	-	10.0000	245.1	PPB	02 Dec 2024 13:33:06	S	Std
ICV107 - 1	ICV107	14171	3.8858	-245.1		PPB	02 Dec 2024 13:43:43	U	SMPL
ICB107 - 1	ICB107	28	-0.0008	-245.1		PPB	02 Dec 2024 13:45:58	U	SMPL
CCV69 - 1	CCV69	18560	5.0920	-245.1		PPB	02 Dec 2024 13:48:15	U	SMPL
CCB69 - 1	CCB69	28	-0.0008	-245.1		PPB	02 Dec 2024 13:50:30	U	SMPL
CRA - 1	CRA	195	0.0451	-245.1		PPB	02 Dec 2024 13:56:03	U	SMPL
HighStd - 1	HighStd	35930	9.8654	-245.1		PPB	02 Dec 2024 13:58:18	U	SMPL
ChkStd - 1	ChkStd	25140	6.9002	-245.1		PPB	02 Dec 2024 14:00:33	U	SMPL
PB165329BL - 1	PBW	-253	-0.0780	-245.1		PPB	02 Dec 2024 14:02:52	U	SMPL
PB165329BS - 1	LCSW	14242	3.9053	-245.1		PPB	02 Dec 2024 14:05:10	U	SMPL
P4997-07 - 1	14B-(1-4)-COMP	4582	1.2507	-245.1		PPB	02 Dec 2024 14:07:26	U	SMPL
P5018-07 - 1	14B-(1-4)-COMP	1969	0.5326	-245.1		PPB	02 Dec 2024 14:09:44	U	SMPL
P5018-07DUP - 1	14B-(1-4)-COMPDUP	1860	0.5027	-245.1		PPB	02 Dec 2024 14:12:03	U	SMPL
P5018-07MS - 1	14B-(1-4)-COMPMS	12715	3.4857	-245.1		PPB	02 Dec 2024 14:14:22	U	SMPL
P5018-07MSD - 1	14B-(1-4)-COMPMSD	13193	3.6171	-245.1		PPB	02 Dec 2024 14:16:38	U	SMPL
CCV70 - 1	CCV70	17470	4.7924	-245.1		PPB	02 Dec 2024 14:18:56	U	SMPL
CCB70 - 1	CCB70	36	0.0014	-245.1		PPB	02 Dec 2024 14:21:13	U	SMPL
P5018-07LX5 - 1		306	0.0756	-245.1		PPB	02 Dec 2024 14:23:30	U	SMPL
P5018-07A - 1		14136	3.8762	-245.1		PPB	02 Dec 2024 14:25:45	U	SMPL
CCV71 - 1	CCV71	17794	4.8815	-245.1		PPB	02 Dec 2024 14:28:01	U	SMPL
CCB71 - 1	CCB71	-14	-0.0123	-245.1		PPB	02 Dec 2024 14:30:19	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

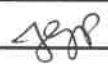
Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 11/27/2024 Time : 08:40 Temp : 95 °C

End Digest Date: 11/27/2024 Time : 11:50 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: 

Supervisor Signature: 

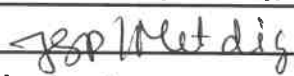
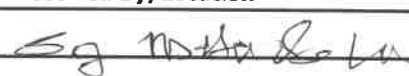
Temp : 1. 95°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6000
LFS-2	0.25	M6009
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	MP83122
1:1 HCL	0.50	MP83105
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

Hot Block # 1 Cell # 50 Temp: 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/27/24 12:00		
	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
P4997-07	14B-(1-4)-COMP	N/A	50	25	Black	Yellow	Clear	Clear	N/A	6
P5018-07	14B-(1-4)-COMP	N/A	50	25	Black	Yellow	Clear	Clear	N/A	7
P5018-07DUP	14B-(1-4)-COMPDUP	N/A	50	25	Black	Yellow	Clear	Clear	N/A	8
P5018-07MS	14B-(1-4)-COMPMS	N/A	50	25	Black	Yellow	Clear	Clear	M6000,M6009	9
P5018-07MSD	14B-(1-4)-COMPMSD	N/A	50	25	Black	Yellow	Clear	Clear	M6000,M6009	10
PB165287BL	PBW287	N/A	50	25	Colorless	Colorless	Clear	Clear	N/A	11
PB165287BS	LCS287	N/A	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	12

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB165287

WorkList ID : 185822

Department : Digestion

Date : 11-27-2024 08:16:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4997-07	14B-(1-4)-COMP	Water	Metals ICP-Group 1	1:1 HNO3 to pH < 2	NEWY17	L41	11/25/2024	200.7
P5018-07	14B-(1-4)-COMP	Water	Metals ICP-Group 1	1:1 HNO3 to pH < 2	NEWY17	L51	11/26/2024	200.7

Date/Time

11/27/24

8:20

Raw Sample Received by:

Jeffrey Tidig

Raw Sample Relinquished by:

Jeffrey Tidig

Date/Time

11/27/24

9:20

Raw Sample Received by:

Jeffrey Tidig

Raw Sample Relinquished by:

Jeffrey Tidig

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133684

Review By	jaswal	Review On	12/3/2024 9:06:32 AM
Supervise By	mohan	Supervise On	12/3/2024 9:07:18 AM

STD. NAME	STD REF.#
ICAL Standard	MP83411,MP83426,MP83412,MP83413,MP83414,MP83415,MP83416
ICV Standard	MP83417
CCV Standard	MP83419
ICSA Standard	
CRI Standard	MP83421
LCS Standard	
Chk Standard	MP83418,MP83420,MP83422,MP83424

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	12/02/24 13:12		Mohan	OK
2	S0.05	S0.05	CAL2	12/02/24 13:17		Mohan	OK
3	S0.2	S0.2	CAL3	12/02/24 13:21		Mohan	OK
4	S2.5	S2.5	CAL4	12/02/24 13:23		Mohan	OK
5	S5	S5	CAL5	12/02/24 13:25		Mohan	OK
6	S7.5	S7.5	CAL6	12/02/24 13:28		Mohan	OK
7	S10	S10	CAL7	12/02/24 13:33		Mohan	OK
8	ICV107	ICV107	ICV	12/02/24 13:43		Mohan	OK
9	ICB107	ICB107	ICB	12/02/24 13:45		Mohan	OK
10	CCV69	CCV69	CCV	12/02/24 13:48		Mohan	OK
11	CCB69	CCB69	CCB	12/02/24 13:50		Mohan	OK
12	CRA	CRA	CRDL	12/02/24 13:56		Mohan	OK
13	HighStd	HighStd	HIGH STD	12/02/24 13:58		Mohan	OK
14	ChkStd	ChkStd	SAM	12/02/24 14:00		Mohan	OK
15	PB165329BL	PB165329BL	MB	12/02/24 14:02		Mohan	OK
16	PB165329BS	PB165329BS	LCS	12/02/24 14:05		Mohan	OK
17	P4997-07	14B-(1-4)-COMP	SAM	12/02/24 14:07		Mohan	OK
18	P5018-07	14B-(1-4)-COMP	SAM	12/02/24 14:09		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133684

Review By	jaswal	Review On	12/3/2024 9:06:32 AM
Supervise By	mohan	Supervise On	12/3/2024 9:07:18 AM
STD. NAME	STD REF.#		
ICAL Standard	MP83411,MP83426,MP83412,MP83413,MP83414,MP83415,MP83416		
ICV Standard	MP83417		
CCV Standard	MP83419		
ICSA Standard			
CRI Standard	MP83421		
LCS Standard			
Chk Standard	MP83418,MP83420,MP83422,MP83424		

19	P5018-07DUP	14B-(1-4)-COMPDUP	DUP	12/02/24 14:12		Mohan	OK
20	P5018-07MS	14B-(1-4)-COMPMS	MS	12/02/24 14:14		Mohan	OK
21	P5018-07MSD	14B-(1-4)-COMPMSD	MSD	12/02/24 14:16		Mohan	OK
22	CCV70	CCV70	CCV	12/02/24 14:18		Mohan	OK
23	CCB70	CCB70	CCB	12/02/24 14:21		Mohan	OK
24	P5018-07L	14B-(1-4)-COMPL	SD	12/02/24 14:23		Mohan	OK
25	P5018-07A	14B-(1-4)-COMPA	PS	12/02/24 14:25		Mohan	OK
26	CCV71	CCV71	CCV	12/02/24 14:28		Mohan	OK
27	CCB71	CCB71	CCB	12/02/24 14:30		Mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133790

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	12/06/24 11:48		Kareem	OK
2	S1	S1	CAL2	12/06/24 11:52		Kareem	OK
3	S2	S2	CAL3	12/06/24 11:57		Kareem	OK
4	S3	S3	CAL4	12/06/24 12:01		Kareem	OK
5	S4	S4	CAL5	12/06/24 12:05		Kareem	OK
6	S5	S5	CAL6	12/06/24 12:10		Kareem	OK
7	ICV01	ICV01	ICV	12/06/24 12:14		Kareem	OK
8	LLICV01	LLICV01	LLICV	12/06/24 12:20		Kareem	OK
9	ICB01	ICB01	ICB	12/06/24 12:24		Kareem	OK
10	CRI01	CRI01	CRDL	12/06/24 12:28		Kareem	OK
11	ICSA01	ICSA01	ICSA	12/06/24 12:50		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	12/06/24 12:55		Kareem	OK
13	ICSADL	ICSADL	ICSA	12/06/24 13:00		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	12/06/24 13:04		Kareem	OK
15	CCV01	CCV01	CCV	12/06/24 13:09		Kareem	OK
16	CCB01	CCB01	CCB	12/06/24 13:13		Kareem	OK
17	PB165393BL	PB165393BL	MB	12/06/24 13:17		Kareem	OK
18	PB165393BS	PB165393BS	LCS	12/06/24 13:22		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133790

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	PB165328BL	PB165328BL	MB	12/06/24 13:26		Kareem	OK
20	PB165328BS	PB165328BS	LCS	12/06/24 13:30		Kareem	OK
21	P5026-05	SOIL-1-HAM	SAM	12/06/24 13:34		Kareem	OK
22	CCV02	CCV02	CCV	12/06/24 13:38		Kareem	OK
23	CCB02	CCB02	CCB	12/06/24 13:42		Kareem	OK
24	P4997-07	14B-(1-4)-COMP	SAM	12/06/24 13:47		Kareem	OK
25	P5018-07	14B-(1-4)-COMP	SAM	12/06/24 13:58		Kareem	OK
26	P5018-07DUP	14B-(1-4)-COMPDUP	DUP	12/06/24 14:04		Kareem	OK
27	P5018-07L	14B-(1-4)-COMPL	SD	12/06/24 14:08		Kareem	OK
28	P5018-07MS	14B-(1-4)-COMPMS	MS	12/06/24 14:12		Kareem	OK
29	P5018-07MSD	14B-(1-4)-COMPMSD	MSD	12/06/24 14:17		Kareem	OK
30	P5018-07A	14B-(1-4)-COMPA	PS	12/06/24 14:21		Kareem	OK
31	P5051-07	14B-(1-4)-COMP	SAM	12/06/24 14:25		Kareem	OK
32	P5068-07	14B-(1-4)-COMP	SAM	12/06/24 14:29	Mn high	Kareem	Dilution
33	P5068-07DUP	14B-(1-4)-COMPDUP	DUP	12/06/24 14:34	Mn high	Kareem	Dilution
34	CCV03	CCV03	CCV	12/06/24 14:42		Kareem	OK
35	CCB03	CCB03	CCB	12/06/24 14:46		Kareem	OK
36	P5068-07L	14B-(1-4)-COMPL	SD	12/06/24 14:50	Mn high	Kareem	Dilution
37	P5068-07MS	14B-(1-4)-COMPMS	MS	12/06/24 14:55	Mn high	Kareem	Dilution
38	P5068-07MSD	14B-(1-4)-COMPMSD	MSD	12/06/24 14:59	Mn high	Kareem	Dilution

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133790

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	P5068-07A	14B-(1-4)-COMPA	PS	12/06/24 15:03		Kareem	OK
40	P5069-01	A3988-SLUDGE	SAM	12/06/24 15:07	Fe high	Kareem	Dilution
41	P5076-01	TAPIAL2-SB02I-7.5-1	SAM	12/06/24 15:12		Kareem	OK
42	P5076-01DUP	TAPIAL2-SB02I-7.5-1	DUP	12/06/24 15:16		Kareem	OK
43	P5076-01L	TAPIAL2-SB02I-7.5-1	SD	12/06/24 15:21		Kareem	OK
44	P5076-01MS	TAPIAL2-SB02I-7.5-1	MS	12/06/24 15:25		Kareem	OK
45	P5076-01MSD	TAPIAL2-SB02I-7.5-1	MSD	12/06/24 15:29		Kareem	OK
46	CCV04	CCV04	CCV	12/06/24 15:40		Kareem	OK
47	CCB04	CCB04	CCB	12/06/24 15:44		Kareem	OK
48	P5076-01A	TAPIAL2-SB02I-7.5-1	PS	12/06/24 15:48		Kareem	OK
49	P5095-01	MH-764	SAM	12/06/24 15:52		Kareem	OK
50	P5096-01	MH-B	SAM	12/06/24 15:56		Kareem	OK
51	P5096-05	MH-A	SAM	12/06/24 16:01		Kareem	OK
52	P5098-01	TR-04-12042024	SAM	12/06/24 16:05		Kareem	OK
53	P5100-01	324	SAM	12/06/24 16:09		Kareem	OK
54	P5105-01	CTWK-COMP-1	SAM	12/06/24 16:13		Kareem	OK
55	P5108-01	ASPHALT-COMP	SAM	12/06/24 16:17		Kareem	OK
56	LR1	LR1	HIGH STD	12/06/24 16:25		Kareem	OK
57	LR2	LR2	HIGH STD	12/06/24 16:30		Kareem	OK
58	CCV05	CCV05	CCV	12/06/24 16:35		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133790

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	CCB05	CCB05	CCB	12/06/24 16:39		Kareem	OK
60	P4997-07DL	14B-(1-4)-COMPDL	SAM	12/06/24 16:43	Not used	Kareem	Not Ok
61	P5051-07DL	14B-(1-4)-COMPDL	SAM	12/06/24 16:48	Not used	Kareem	Not Ok
62	P5068-07DL	14B-(1-4)-COMPDL	SAM	12/06/24 16:52	5X for Mn	Kareem	Confirms
63	P5068-07DUPDL	14B-(1-4)-COMPDUPL	DUP	12/06/24 16:57	5X for Mn	Kareem	Confirms
64	P5068-07LDL	14B-(1-4)-COMPLDL	SD	12/06/24 17:01	5X for Mn	Kareem	Confirms
65	P5068-07MSDL	14B-(1-4)-COMPMSDL	MS	12/06/24 17:05	5X for Mn	Kareem	Confirms
66	P5068-07MSDDL	14B-(1-4)-COMPMSDL	MSD	12/06/24 17:09	5X for Mn	Kareem	Confirms
67	P5068-07ADL	14B-(1-4)-COMPADL	PS	12/06/24 17:14	Not used	Kareem	Not Ok
68	P5069-01DL	A3988-SLUDGEDL	SAM	12/06/24 17:18	5X for Fe	Kareem	Confirms
69	P5138-01	001-WILLETS-PT-BLV	SAM	12/06/24 17:22		Kareem	OK
70	CCV06	CCV06	CCV	12/06/24 17:27		Kareem	OK
71	CCB06	CCB06	CCB	12/06/24 17:31		Kareem	OK
72	PB165430BL	PB165430BL	MB	12/06/24 17:36		Kareem	OK
73	PB165430BS	PB165430BS	LCS	12/06/24 17:40		Kareem	OK
74	P5138-02	002-35TH-AVE(NOV)	SAM	12/06/24 17:44		Kareem	OK
75	P5138-02DUP	002-35TH-AVE(NOV)	DUP	12/06/24 17:48		Kareem	OK
76	P5138-02L	002-35TH-AVE(NOV)	SD	12/06/24 17:52		Kareem	OK
77	P5138-02MS	002-35TH-AVE(NOV)	MS	12/06/24 17:57		Kareem	OK
78	P5138-02MSD	002-35TH-AVE(NOV)	MSD	12/06/24 18:01		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133790

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	

79	P5138-02A	002-35TH-AVE(NOV)	PS	12/06/24 18:05		Kareem	OK
80	P5139-01	001-WILLETS-PT-BL	SAM	12/06/24 18:09		Kareem	OK
81	P5139-02	002-35TH-AVE(DEC)	SAM	12/06/24 18:13		Kareem	OK
82	CCV07	CCV07	CCV	12/06/24 18:21		Kareem	OK
83	CCB07	CCB07	CCB	12/06/24 18:27		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133834

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	12/09/24 11:06		Kareem	OK
2	S1	S1	CAL2	12/09/24 11:10		Kareem	OK
3	S2	S2	CAL3	12/09/24 11:14		Kareem	OK
4	S3	S3	CAL4	12/09/24 11:18		Kareem	OK
5	S4	S4	CAL5	12/09/24 11:23		Kareem	OK
6	S5	S5	CAL6	12/09/24 11:27		Kareem	OK
7	ICV01	ICV01	ICV	12/09/24 11:35		Kareem	OK
8	LLICV01	LLICV01	LLICV	12/09/24 11:49		Kareem	OK
9	ICB01	ICB01	ICB	12/09/24 11:54		Kareem	OK
10	CRI01	CRI01	CRDL	12/09/24 11:59		Kareem	OK
11	ICSA01	ICSA01	ICSA	12/09/24 12:08		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	12/09/24 12:17		Kareem	OK
13	ICSADL	ICSADL	ICSA	12/09/24 12:21		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	12/09/24 12:25		Kareem	OK
15	CCV01	CCV01	CCV	12/09/24 12:29		Kareem	OK
16	CCB01	CCB01	CCB	12/09/24 12:34		Kareem	OK
17	PB165436BL	PB165436BL	MB	12/09/24 12:38		Kareem	OK
18	PB165436BS	PB165436BS	LCS	12/09/24 12:42		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133834

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	PB165287BL	PB165287BL	MB	12/09/24 12:46		Kareem	OK
20	PB165287BS	PB165287BS	LCS	12/09/24 12:51		Kareem	OK
21	PB165390TB	PB165390TB	MB	12/09/24 12:55		Kareem	OK
22	PB165392TB	PB165392TB	MB	12/09/24 12:59		Kareem	OK
23	P5100-04	3167	SAM	12/09/24 13:04		Kareem	OK
24	P5100-03	3154	SAM	12/09/24 13:08		Kareem	OK
25	P5103-01	422	SAM	12/09/24 13:12		Kareem	OK
26	P5103-02DL	423DL	SAM	12/09/24 13:17	Straight 5x Dilution for all elements	Kareem	OK
27	CCV02	CCV02	CCV	12/09/24 13:30		Kareem	OK
28	CCB02	CCB02	CCB	12/09/24 13:35		Kareem	OK
29	PB165416BL	PB165416BL	MB	12/09/24 13:39		Kareem	OK
30	PB165416BS	PB165416BS	LCS	12/09/24 13:44		Kareem	OK
31	P5095-04	MH-764	SAM	12/09/24 13:48		Kareem	OK
32	P5096-04	MH-B	SAM	12/09/24 13:52		Kareem	OK
33	P5096-08	MH-A	SAM	12/09/24 13:56		Kareem	OK
34	P5110-01	ELIZ-COMP-1	SAM	12/09/24 14:01		Kareem	OK
35	P5110-02	ELIZ-COMP-2	SAM	12/09/24 14:05		Kareem	OK
36	P5112-02	10TH-ST-SOIL	SAM	12/09/24 14:10		Kareem	OK
37	P5117-02	TAPIAL2-IDW-SOIL-1	SAM	12/09/24 14:14		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133834

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	

38	P5133-02	MOO-24-00374	SAM	12/09/24 14:19		Kareem	OK
39	CCV03	CCV03	CCV	12/09/24 14:23		Kareem	OK
40	CCB03	CCB03	CCB	12/09/24 14:27		Kareem	OK
41	P5136-02	COMP-1	SAM	12/09/24 14:32		Kareem	OK
42	P5136-02DUP	COMP-1DUP	DUP	12/09/24 14:36		Kareem	OK
43	P5136-02L	COMP-1L	SD	12/09/24 14:40		Kareem	OK
44	P5136-02MS	COMP-1MS	MS	12/09/24 14:45		Kareem	OK
45	P5136-02MSD	COMP-1MSD	MSD	12/09/24 14:49		Kareem	OK
46	P5136-02A	COMP-1A	PS	12/09/24 14:53		Kareem	OK
47	P5112-01	10TH-ST-SOIL	SAM	12/09/24 14:57		Kareem	OK
48	P5112-01DUP	10TH-ST-SOILDUP	DUP	12/09/24 15:01		Kareem	OK
49	P5112-01L	10TH-ST-SOILL	SD	12/09/24 15:05		Kareem	OK
50	P5112-01MS	10TH-ST-SOILMS	MS	12/09/24 15:09		Kareem	OK
51	CCV04	CCV04	CCV	12/09/24 15:13		Kareem	OK
52	CCB04	CCB04	CCB	12/09/24 15:17		Kareem	OK
53	P5112-01MSD	10TH-ST-SOILMSD	MSD	12/09/24 15:22		Kareem	OK
54	P5112-01A	10TH-ST-SOILA	PS	12/09/24 15:26		Kareem	OK
55	P5133-01	MOO-24-00374	SAM	12/09/24 15:30		Kareem	OK
56	P5136-01	COMP-1	SAM	12/09/24 15:34		Kareem	OK
57	P5137-01	LAW-OILY-STONES	SAM	12/09/24 15:38		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133834

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	

58	LR1	LR1	HIGH STD	12/09/24 15:42		Kareem	OK
59	LR2	LR2	HIGH STD	12/09/24 15:47		Kareem	OK
60	CCV05	CCV05	CCV	12/09/24 15:52		Kareem	OK
61	CCB05	CCB05	CCB	12/09/24 15:56		Kareem	OK

Prep Standard - Chemical Standard Summary

Order ID : P4997

Test : Mercury, Metals ICP-Group1

Prepbatch ID : PB165287, PB165329,

Sequence ID/Qc Batch ID: LB133684, LB133790, LB133834,

Standard ID :

MP83105, MP83122, MP83410, MP83411, MP83412, MP83413, MP83414, MP83415, MP83416, MP83417, MP83418, MP83419, MP83420, MP83421, MP83422, MP83424, MP83426,

Chemical ID :

M5062, M5882, M5953, M6000, M6009, M6111, M6116, M6121, M6124, W3112,

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
170	1:1HCL	MP83105	11/07/2024	12/06/2024	Janvi Patel	None	None	Sarabjit Jaswal
								11/07/2024

FROM 1000.00000ml of M6111 + 1000.00000ml of W3112 = Final Quantity: 2000.000 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>
169	1:1HNO3	MP83122	11/07/2024	12/06/2024	Janvi Patel	None	None	Sarabjit Jaswal
								11/07/2024

FROM 1000.00000ml of M6116 + 1000.00000ml of W3112 = Final Quantity: 2000.000 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.	MP83410	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal 12/03/2024
<u>FROM</u> 1.00000ml of M6124 + 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	MP83411	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 12/03/2024
<u>FROM</u>	2.50000ml of M6124 + 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>
1341	Hg 0.2 PPB STD	MP83412	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal
FROM 2.50000ml of M6124 + 247.30000ml of W3112 + 0.20000ml of MP83410 = 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	MP83413	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 12/03/2024
<u>FROM</u>	2.50000ml of M6124 + 245.00000ml of W3112 + 2.50000ml of MP83410 = 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>
1343	Hg 5.0 PPB STD	MP83414	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal
FROM 2.50000ml of M6124 + 242.50000ml of W3112 + 5.00000ml of MP83410 = 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	MP83415	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 12/03/2024
<u>FROM</u>	2.50000ml of M6124 + 240.00000ml of W3112 + 7.50000ml of MP83410 = 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	MP83416	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal
FROM 2.50000ml of M6124 + 237.50000ml of W3112 + 10.00000ml of MP83410 = 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	MP83417	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 12/03/2024
<u>FROM</u>	2.50000ml of M5953 + 2.50000ml of M6124 + 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)	MP83418	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal
FROM 2.50000ml of M6124 + 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)	MP83419	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 12/03/2024
FROM 485.00000ml of W3112 + 5.00000ml of M6124 + 10.00000ml of MP83410 = 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)	MP83420	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal
FROM 495.00000ml of W3112 + 5.00000ml of M6124 = 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)	MP83421	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 12/03/2024
FROM 2.50000ml of M6124 + 247.30000ml of W3112 + 0.20000ml of MP83410 = Final Quantity: 250.000 ml								

Metals STANDARD PREPARATION LOG

[illegible]

<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	MP83424	12/02/2024	12/03/2024	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 12/03/2024
<u>FROM</u> 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>
2750	Hg 0.05ppb	MP83426	12/02/2024	12/03/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal 12/03/2024
FROM 2.50000ml of M6124 + 247.45000ml of W3112 + 0.05000ml of MP83410 = 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 #
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 #
EPA	ICV-5 / ICV (HG) STOCK SOLN	ICV5-0415	01/01/2025	07/01/2024 / mohan	03/30/2023 / mohan	M5953

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	08/30/2026	08/13/2024 / Jaswal	05/14/2024 / Jaswal	M6000

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	03/17/2028	08/13/2024 / Jaswal	05/14/2024 / Jaswal	M6009

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)	22F0762009	05/09/2027	11/04/2024 / Eman	09/29/2024 / Janvi	M6111

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)	24B1362001	05/03/2025	11/04/2024 / Janvi	09/29/2024 / Eman	M6116

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

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	05/22/2025	11/22/2024 / Janvi	10/22/2024 / Janvi	M6124

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

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-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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MS062
 MS063
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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.

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

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

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

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

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.



M5528-32
M5953
3/30/23

(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 µg/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) $K_2Cr_2O_7$ 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 $K_3Fe(CN)_6$, 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

Receive date
9/29/24
Met diag.

 avantor™



Material No.: 9530-33
Batch No.: 22F0762009
Manufactured Date: 2022-05-10
Retest Date: 2027-05-09
Revision No.: 0

M6109
M6110
M6111

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 ppm
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 ppm
ACS – Free Chlorine (as Cl ₂)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO ₄)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO ₃)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH ₄)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	0.8 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	14.9 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.2 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 22F0762009

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	0.8 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	1.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	0.7 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	< 0.9 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	< 0.1 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

 **avantor™**

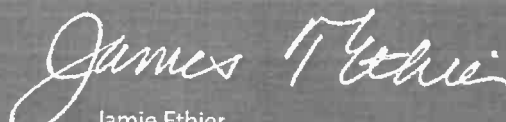


Material No.: 9530-33
Batch No.: 22F0762009

Test	Specification	Result

For Laboratory, Research, or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

Nitric Acid 69%
CMOS

avantor™



Receive:
9/29/24
met dig

Material No.: 9606-03
Batch No.: 24B1362001
Manufactured Date: 2024-01-25
Retest Date: 2029-01-23
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO ₃)	69.0 – 70.0 %	69.6 %
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	< 0.2 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	< 50 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™**



Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	3 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	1 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

 **avantor™**

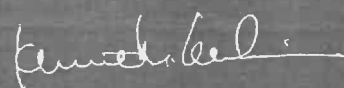


Material No.: 9606-03
Batch No.: 24B1362001

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



Ken Koehnlein
Sr. Manager, Quality Assurance

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™



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

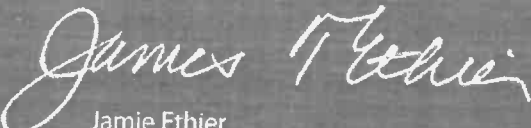
Product Information (not specifications):

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

avantor™



R:- 10/22/24

M6124

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



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

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

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

 **avantorsTM**



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

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. **P4997**
QUOTE NO. _____
COC Number **2037716**

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **New York City DEP of Environment**
ADDRESS: **3701 Jerome Ave**
CITY: **Bronx** STATE: **NJ** ZIP: _____
ATTENTION: **Nicholas Prokopowicz**
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: **Industrial w/w Discharge**
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: **Nicholas Prokopowicz**
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 DAYS

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. Non-Polar Material
2. TSS, pH, HexChlor
3. VOC
4. Metals
5. Cyanide
6. _____
7. _____
8. _____
9. _____

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E/C	E	A/E	B/E	E/D						← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
1.	14B-1	water		X	11-25-24	755	6	X	X	X	X	X						6.74 pH
2.	14B-2			X		856	6	X	X	X	X	X						6.68 pH
3.	14B-3			X		954	6	X	X	X	X	X						6.73 pH
4.	14B-4			X		1054	6	X	X	X	X	X						6.76 pH
5.	14B-4MS			X		1055	1	X										
6.	14B-4MSD			X		1056	1	X										
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. IT	DATE/TIME: 1110 11-25-24	RECEIVED BY: 1. _____	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
RELINQUISHED BY SAMPLER: 2. _____	DATE/TIME: _____	RECEIVED BY: 2. _____	Comments: _____
RELINQUISHED BY SAMPLER: 3. IT	DATE/TIME: 1410 11-25-24	RECEIVED BY: 3. _____	CLIENT: ☐ Hand Delivered ☐ Other _____ CHEMTECH: ☐ Picked Up ☐ Field Sampling

Page _____ of _____

Shipment Complete ☐ YES ☐ NO

Chemtech Project number: P4997

Date: 11-25-24

Client Name: New York City DEP of Environmental / Client Project Name: Industrial w/w Discharge

Instructions: Composite Metals, Cyanide, HexChrom Samples 4:1

Sample Custodian: IT

[illegible]

FIELD SAMPLING LOGClient Name: New York City DEP of EnvironmentalClient Address: 3701 Jerome AveClient Rep on Site: Nicholas ProkopowiczSampling Date: 11-25-24Arrival Time: 0640Departure Time: 1110Project Name: Industrial w/w DischargeProject Location: Bronx NYCooler Custody Seal: N/ATemperature Correction Factor (°C): +3**FIELD EQUIPMENT CALIBRATION (± 1%) (99% -101%)****pH Calibration (± 1%) (99% -101%) (SM4500-H B/9040C)**

Calibration (± 1%) (99% -101%)				ICV (± 0.1 pH unit)
	7.00 Buffer	4.00 Buffer	10.00 Buffer	7.00 Buffer
	W 3071	W 3107	W 3094	W 3093
Time	0659	0702	0705	0708
Temp °C	19.52	18.48	18.70	11.88
pH	7.02	3.99	10.01	7.03

FIELD EQUIPMENT CALIBRATION (± 1%) (99% -101%)**Specific Conductance (mS/cm) (99% -101%)/(mmho/cm) (SM2510 B/120.1/9050A)**

Calibration (± 1%) (99% -101%)		ICV (± 1%) (99% -101%)
	WP	WP
Time		
Temp °C		
Reading (mS/cm)		

Sampler Signature/Date: J. Bragg 11-25-24Supervisor Review/Date: [Signature] 11/25/24

QA Control# A3041241

QA Control# A3041241

Client Name: New York City DEP of Environmental

Project Name: Industrial w/w Discharge

Project Location: Bronx NY

Cooler Custody Seal: NA

Departure Time: 1110

Temperature Correction Factor ($^{\circ}\text{C}$): + 3

[illegible]

Meter: YSI MPS, Model # 556, Serial # 085A0063

Sampler Signature/Date:

Supervisor Review/Date:

QA Control# A3041241



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 : P4997 NEWY17

Order Date : 11/25/2024 1:27:00 PM

Project Mgr :

Client Name : New York City DEP of Env.

Project Name : Industrial Wastewater Disch

Report Type : Level 2

Client Contact : Nicholas Prokopowicz

Receive DateTime : 11/25/2024 2:10:00 PM

EDD Type : EXCEL NOCLEANUP

Invoice Name : New York City DEP of Env.

Purchase Order :

Hard Copy Date :

Invoice Contact : Nicholas Prokopowicz

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4997-01	14B-1	Water	11/25/2024	07:55					
					VOCMS Group1		624.1	10 Bus. Days	
P4997-02	14B-2	Water	11/25/2024	08:56					
					VOCMS Group1		624.1	10 Bus. Days	
P4997-03	14B-3	Water	11/25/2024	09:54					
					VOCMS Group1		624.1	10 Bus. Days	
P4997-04	14B-4	Water	11/25/2024	10:54					
					VOCMS Group1		624.1	10 Bus. Days	

Relinquished By : JT

Date / Time : 11-25-24 1445

Received By : [Signature]

Date / Time : 11/25/24 14:45

Storage Area : VOA Refridgerator Room