

Cover Page

Order ID : P4258

Project ID : Perth Amboy

Client : Roman E&G Corp

Lab Sample Number

P4258-01
P4258-02
P4258-03
P4258-04

Client Sample Number

Chamberlain Ave
Chamberlain Ave
Chamberlain Ave
Chamberlain Ave

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: 10/21/2024



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

CASE NARRATIVE

Roman E&G Corp

Project Name: Perth Amboy

Project # N/A

Chemtech Project # P4258

Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 10/01/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, EPH, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Metals ICP-TAL, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, pH, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (SP-10MS) analysis met criteria for all samples except for Antimony, Copper, Potassium and Selenium due to Chemical interference during Digestion Process.

The Matrix Spike Duplicate (SP-10MSD) analysis met criteria for all samples except for Copper, Potassium, Selenium, Sodium, Vanadium and Zinc due to Chemical Interference during Digestion Process.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met criteria for all samples.

E. Additional Comments:

In analytical sequence LB133014, The % Recovery outside the limit for Iron and Manganese, but no any sample associated under this CCV.



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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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 #: P4258

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 Castody

✓

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: KETAN PATEL

Date: 10/21/2024

LAB CHRONICLE

OrderID:	P4258	OrderDate:	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	Project:	Perth Amboy
Contact:	Mark Mattheiss	Location:	H11,H51,K11,K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	Chamberlain Ave	SOIL			10/01/24			10/01/24
			Mercury	7471B		10/11/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/14/24	
P4258-04	Chamberlain Ave	TCLP			10/01/24			10/01/24
			TCLP Mercury	7470A		10/03/24	10/04/24	
			TCLP Metals + Cu+Ni+Zn	6010D		10/03/24	10/04/24	

Hit Summary Sheet SW-846

SDG No.: P4258

Order ID: P4258

Client: Roman E&G Corp

Project ID: Perth Amboy

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	Chamberlain Ave							
P4258-03	Chamberlain Ave	SOIL	Aluminum	5650		2.62	5.43	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Arsenic	2.05		0.32	1.09	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Barium	65.0		0.70	5.43	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Beryllium	0.95		0.013	0.33	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Cadmium	2.18		0.017	0.33	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Calcium	1430		3.04	109	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Chromium	12.2		0.059	0.54	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Cobalt	9.76		0.063	1.63	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Copper	23.0		0.51	1.09	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Iron	13800		2.92	5.43	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Lead	48.3		0.16	0.65	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Magnesium	2360		3.73	109	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Manganese	186		0.077	1.09	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Mercury	0.094		0.0070	0.015	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Nickel	24.3		0.098	2.17	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Potassium	722		31.2	109	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Sodium	105	J	39.2	109	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Vanadium	17.6		0.29	2.17	mg/Kg
P4258-03	Chamberlain Ave	SOIL	Zinc	39.8		0.12	2.17	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	86

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5650		1	2.62	5.43	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.72	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-38-2	Arsenic	2.05		1	0.32	1.09	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-39-3	Barium	65.0		1	0.70	5.43	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-41-7	Beryllium	0.95		1	0.013	0.33	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-43-9	Cadmium	2.18		1	0.017	0.33	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-70-2	Calcium	1430		1	3.04	109	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-47-3	Chromium	12.2		1	0.059	0.54	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-48-4	Cobalt	9.76		1	0.063	1.63	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-50-8	Copper	23.0	N	1	0.51	1.09	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7439-89-6	Iron	13800		1	2.92	5.43	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7439-92-1	Lead	48.3		1	0.16	0.65	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7439-95-4	Magnesium	2360		1	3.73	109	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7439-96-5	Manganese	186		1	0.077	1.09	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7439-97-6	Mercury	0.094		1	0.0070	0.015	mg/Kg	10/11/24 13:30	10/14/24 11:59	SW7471B	
7440-02-0	Nickel	24.3		1	0.098	2.17	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-09-7	Potassium	722	N	1	31.2	109	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7782-49-2	Selenium	0.36	UN	1	0.36	1.09	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-22-4	Silver	0.057	U	1	0.057	0.54	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-23-5	Sodium	105	JN	1	39.2	109	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-28-0	Thallium	0.48	U	1	0.48	2.17	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-62-2	Vanadium	17.6	N	1	0.29	2.17	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050
7440-66-6	Zinc	39.8	N	1	0.12	2.17	mg/Kg	10/11/24 09:05	10/14/24 15:05	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
Comments:	METALS-TAL			

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

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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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
ICV36	Mercury	4.25	4.0	106	90 - 110	CV	10/14/2024	11:33	LB132914

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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
CCV13	Mercury	4.95	5.0	99	90 - 110	CV	10/14/2024	11:40	LB132914
CCV14	Mercury	4.81	5.0	96	90 - 110	CV	10/14/2024	12:10	LB132914
CCV15	Mercury	4.91	5.0	98	90 - 110	CV	10/14/2024	12:39	LB132914
CCV16	Mercury	4.98	5.0	100	90 - 110	CV	10/14/2024	13:09	LB132914
CCV17	Mercury	4.88	5.0	98	90 - 110	CV	10/14/2024	13:37	LB132914
CCV18	Mercury	5.09	5.0	102	90 - 110	CV	10/14/2024	14:04	LB132914
CCV19	Mercury	4.97	5.0	100	90 - 110	CV	10/14/2024	14:31	LB132914
CCV20	Mercury	5.08	5.0	102	90 - 110	CV	10/14/2024	14:59	LB132914
CCV21	Mercury	4.79	5.0	96	90 - 110	CV	10/14/2024	15:15	LB132914

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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	2500	2500	100	90 - 110	P	10/14/2024	14:06	LB132927
	Antimony	1000	1000	100	90 - 110	P	10/14/2024	14:06	LB132927
	Arsenic	942	1000	94	90 - 110	P	10/14/2024	14:06	LB132927
	Barium	491	520	94	90 - 110	P	10/14/2024	14:06	LB132927
	Beryllium	504	510	99	90 - 110	P	10/14/2024	14:06	LB132927
	Cadmium	476	510	93	90 - 110	P	10/14/2024	14:06	LB132927
	Calcium	9910	10000	99	90 - 110	P	10/14/2024	14:06	LB132927
	Chromium	527	520	101	90 - 110	P	10/14/2024	14:06	LB132927
	Cobalt	507	520	98	90 - 110	P	10/14/2024	14:06	LB132927
	Copper	523	510	103	90 - 110	P	10/14/2024	14:06	LB132927
	Iron	9670	10000	97	90 - 110	P	10/14/2024	14:06	LB132927
	Lead	955	1000	96	90 - 110	P	10/14/2024	14:06	LB132927
	Magnesium	5900	6000	98	90 - 110	P	10/14/2024	14:06	LB132927
	Manganese	503	520	97	90 - 110	P	10/14/2024	14:06	LB132927
	Nickel	510	530	96	90 - 110	P	10/14/2024	14:06	LB132927
	Potassium	9500	9900	96	90 - 110	P	10/14/2024	14:06	LB132927
	Selenium	980	1000	98	90 - 110	P	10/14/2024	14:06	LB132927
	Silver	252	250	101	90 - 110	P	10/14/2024	14:06	LB132927
	Sodium	9030	10000	90	90 - 110	P	10/14/2024	14:06	LB132927
	Thallium	1020	1000	102	90 - 110	P	10/14/2024	14:06	LB132927
	Vanadium	504	500	101	90 - 110	P	10/14/2024	14:06	LB132927
	Zinc	1020	1000	102	90 - 110	P	10/14/2024	14:06	LB132927

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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	111	100	111	80 - 120	P	10/14/2024	14:18	LB132927
	Antimony	51.8	50.0	104	80 - 120	P	10/14/2024	14:18	LB132927
	Arsenic	18.9	20.0	95	80 - 120	P	10/14/2024	14:18	LB132927
	Barium	94.5	100	94	80 - 120	P	10/14/2024	14:18	LB132927
	Beryllium	6.30	6.0	105	80 - 120	P	10/14/2024	14:18	LB132927
	Cadmium	6.12	6.0	102	80 - 120	P	10/14/2024	14:18	LB132927
	Calcium	2040	2000	102	80 - 120	P	10/14/2024	14:18	LB132927
	Chromium	9.77	10.0	98	80 - 120	P	10/14/2024	14:18	LB132927
	Cobalt	30.6	30.0	102	80 - 120	P	10/14/2024	14:18	LB132927
	Copper	22.5	20.0	113	80 - 120	P	10/14/2024	14:18	LB132927
	Iron	95.8	100	96	80 - 120	P	10/14/2024	14:18	LB132927
	Lead	10.2	12.0	85	80 - 120	P	10/14/2024	14:18	LB132927
	Magnesium	2180	2000	109	80 - 120	P	10/14/2024	14:18	LB132927
	Manganese	20.0	20.0	100	80 - 120	P	10/14/2024	14:18	LB132927
	Nickel	40.8	40.0	102	80 - 120	P	10/14/2024	14:18	LB132927
	Potassium	1900	2000	95	80 - 120	P	10/14/2024	14:18	LB132927
	Selenium	19.4	20.0	97	80 - 120	P	10/14/2024	14:18	LB132927
	Silver	10.8	10.0	108	80 - 120	P	10/14/2024	14:18	LB132927
	Sodium	1620	2000	81	80 - 120	P	10/14/2024	14:18	LB132927
	Thallium	40.6	40.0	102	80 - 120	P	10/14/2024	14:18	LB132927
	Vanadium	40.3	40.0	101	80 - 120	P	10/14/2024	14:18	LB132927
	Zinc	41.3	40.0	103	80 - 120	P	10/14/2024	14:18	LB132927

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	10400	10000	104	90 - 110	P	10/14/2024	14:43	LB132927
	Antimony	5230	5000	104	90 - 110	P	10/14/2024	14:43	LB132927
	Arsenic	5140	5000	103	90 - 110	P	10/14/2024	14:43	LB132927
	Barium	9520	10000	95	90 - 110	P	10/14/2024	14:43	LB132927
	Beryllium	250	250	100	90 - 110	P	10/14/2024	14:43	LB132927
	Cadmium	2510	2500	100	90 - 110	P	10/14/2024	14:43	LB132927
	Calcium	25300	25000	101	90 - 110	P	10/14/2024	14:43	LB132927
	Chromium	1020	1000	102	90 - 110	P	10/14/2024	14:43	LB132927
	Cobalt	2530	2500	101	90 - 110	P	10/14/2024	14:43	LB132927
	Copper	1300	1250	104	90 - 110	P	10/14/2024	14:43	LB132927
	Iron	4800	5000	96	90 - 110	P	10/14/2024	14:43	LB132927
	Lead	5090	5000	102	90 - 110	P	10/14/2024	14:43	LB132927
	Magnesium	25600	25000	102	90 - 110	P	10/14/2024	14:43	LB132927
	Manganese	2400	2500	96	90 - 110	P	10/14/2024	14:43	LB132927
	Nickel	2540	2500	102	90 - 110	P	10/14/2024	14:43	LB132927
	Potassium	24600	25000	99	90 - 110	P	10/14/2024	14:43	LB132927
	Selenium	5320	5000	106	90 - 110	P	10/14/2024	14:43	LB132927
	Silver	1250	1250	100	90 - 110	P	10/14/2024	14:43	LB132927
	Sodium	23000	25000	92	90 - 110	P	10/14/2024	14:43	LB132927
	Thallium	4530	5000	90	90 - 110	P	10/14/2024	14:43	LB132927
	Vanadium	2570	2500	103	90 - 110	P	10/14/2024	14:43	LB132927
	Zinc	2580	2500	103	90 - 110	P	10/14/2024	14:43	LB132927
CCV02	Aluminum	10100	10000	101	90 - 110	P	10/14/2024	15:09	LB132927
	Antimony	5000	5000	100	90 - 110	P	10/14/2024	15:09	LB132927
	Arsenic	4850	5000	97	90 - 110	P	10/14/2024	15:09	LB132927
	Barium	9110	10000	91	90 - 110	P	10/14/2024	15:09	LB132927
	Beryllium	246	250	98	90 - 110	P	10/14/2024	15:09	LB132927
	Cadmium	2390	2500	96	90 - 110	P	10/14/2024	15:09	LB132927
	Calcium	24300	25000	97	90 - 110	P	10/14/2024	15:09	LB132927
	Chromium	990	1000	99	90 - 110	P	10/14/2024	15:09	LB132927
	Cobalt	2410	2500	96	90 - 110	P	10/14/2024	15:09	LB132927
	Copper	1240	1250	100	90 - 110	P	10/14/2024	15:09	LB132927
	Iron	4550	5000	91	90 - 110	P	10/14/2024	15:09	LB132927
	Lead	4830	5000	96	90 - 110	P	10/14/2024	15:09	LB132927

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	24700	25000	99	90 - 110	P	10/14/2024	15:09	LB132927
	Manganese	2300	2500	92	90 - 110	P	10/14/2024	15:09	LB132927
	Nickel	2410	2500	96	90 - 110	P	10/14/2024	15:09	LB132927
	Potassium	23200	25000	93	90 - 110	P	10/14/2024	15:09	LB132927
	Selenium	5060	5000	101	90 - 110	P	10/14/2024	15:09	LB132927
	Silver	1200	1250	96	90 - 110	P	10/14/2024	15:09	LB132927
	Sodium	25500	25000	102	90 - 110	P	10/14/2024	15:09	LB132927
	Thallium	5390	5000	108	90 - 110	P	10/14/2024	15:09	LB132927
	Vanadium	2480	2500	99	90 - 110	P	10/14/2024	15:09	LB132927
	Zinc	2440	2500	98	90 - 110	P	10/14/2024	15:09	LB132927
CCV03	Aluminum	9640	10000	96	90 - 110	P	10/14/2024	16:03	LB132927
	Antimony	4920	5000	98	90 - 110	P	10/14/2024	16:03	LB132927
	Arsenic	4690	5000	94	90 - 110	P	10/14/2024	16:03	LB132927
	Barium	10600	10000	106	90 - 110	P	10/14/2024	16:03	LB132927
	Beryllium	227	250	91	90 - 110	P	10/14/2024	16:03	LB132927
	Cadmium	2250	2500	90	90 - 110	P	10/14/2024	16:03	LB132927
	Calcium	23000	25000	92	90 - 110	P	10/14/2024	16:03	LB132927
	Chromium	945	1000	94	90 - 110	P	10/14/2024	16:03	LB132927
	Cobalt	2300	2500	92	90 - 110	P	10/14/2024	16:03	LB132927
	Copper	1200	1250	96	90 - 110	P	10/14/2024	16:03	LB132927
	Iron	4510	5000	90	90 - 110	P	10/14/2024	16:03	LB132927
	Lead	4610	5000	92	90 - 110	P	10/14/2024	16:03	LB132927
	Magnesium	23300	25000	93	90 - 110	P	10/14/2024	16:03	LB132927
	Manganese	2710	2500	108	90 - 110	P	10/14/2024	16:03	LB132927
	Nickel	2300	2500	92	90 - 110	P	10/14/2024	16:03	LB132927
	Potassium	23600	25000	94	90 - 110	P	10/14/2024	16:03	LB132927
	Selenium	4920	5000	98	90 - 110	P	10/14/2024	16:03	LB132927
	Silver	1170	1250	93	90 - 110	P	10/14/2024	16:03	LB132927
	Sodium	25600	25000	102	90 - 110	P	10/14/2024	16:03	LB132927
	Thallium	5200	5000	104	90 - 110	P	10/14/2024	16:03	LB132927
	Vanadium	2370	2500	95	90 - 110	P	10/14/2024	16:03	LB132927
	Zinc	2390	2500	96	90 - 110	P	10/14/2024	16:03	LB132927
CCV04	Aluminum	9730	10000	97	90 - 110	P	10/14/2024	17:06	LB132927
	Antimony	4940	5000	99	90 - 110	P	10/14/2024	17:06	LB132927

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	4710	5000	94	90 - 110	P	10/14/2024	17:06	LB132927
	Barium	10500	10000	105	90 - 110	P	10/14/2024	17:06	LB132927
	Beryllium	231	250	92	90 - 110	P	10/14/2024	17:06	LB132927
	Cadmium	2260	2500	90	90 - 110	P	10/14/2024	17:06	LB132927
	Calcium	23100	25000	92	90 - 110	P	10/14/2024	17:06	LB132927
	Chromium	953	1000	95	90 - 110	P	10/14/2024	17:06	LB132927
	Cobalt	2310	2500	93	90 - 110	P	10/14/2024	17:06	LB132927
	Copper	1210	1250	96	90 - 110	P	10/14/2024	17:06	LB132927
	Iron	4530	5000	90	90 - 110	P	10/14/2024	17:06	LB132927
	Lead	4630	5000	92	90 - 110	P	10/14/2024	17:06	LB132927
	Magnesium	23400	25000	94	90 - 110	P	10/14/2024	17:06	LB132927
	Manganese	2700	2500	108	90 - 110	P	10/14/2024	17:06	LB132927
	Nickel	2310	2500	92	90 - 110	P	10/14/2024	17:06	LB132927
	Potassium	23500	25000	94	90 - 110	P	10/14/2024	17:06	LB132927
	Selenium	4960	5000	99	90 - 110	P	10/14/2024	17:06	LB132927
	Silver	1180	1250	94	90 - 110	P	10/14/2024	17:06	LB132927
	Sodium	25300	25000	101	90 - 110	P	10/14/2024	17:06	LB132927
	Thallium	5240	5000	105	90 - 110	P	10/14/2024	17:06	LB132927
	Vanadium	2380	2500	95	90 - 110	P	10/14/2024	17:06	LB132927
	Zinc	2370	2500	95	90 - 110	P	10/14/2024	17:06	LB132927
CCV05	Aluminum	9870	10000	99	90 - 110	P	10/14/2024	18:00	LB132927
	Antimony	5040	5000	101	90 - 110	P	10/14/2024	18:00	LB132927
	Arsenic	4810	5000	96	90 - 110	P	10/14/2024	18:00	LB132927
	Barium	10500	10000	105	90 - 110	P	10/14/2024	18:00	LB132927
	Beryllium	233	250	93	90 - 110	P	10/14/2024	18:00	LB132927
	Cadmium	2310	2500	92	90 - 110	P	10/14/2024	18:00	LB132927
	Calcium	23500	25000	94	90 - 110	P	10/14/2024	18:00	LB132927
	Chromium	977	1000	98	90 - 110	P	10/14/2024	18:00	LB132927
	Cobalt	2360	2500	94	90 - 110	P	10/14/2024	18:00	LB132927
	Copper	1230	1250	98	90 - 110	P	10/14/2024	18:00	LB132927
	Iron	4500	5000	90	90 - 110	P	10/14/2024	18:00	LB132927
	Lead	4720	5000	94	90 - 110	P	10/14/2024	18:00	LB132927
	Magnesium	23900	25000	96	90 - 110	P	10/14/2024	18:00	LB132927
	Manganese	2720	2500	109	90 - 110	P	10/14/2024	18:00	LB132927

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2360	2500	94	90 - 110	P	10/14/2024	18:00	LB132927
	Potassium	23400	25000	94	90 - 110	P	10/14/2024	18:00	LB132927
	Selenium	5080	5000	102	90 - 110	P	10/14/2024	18:00	LB132927
	Silver	1190	1250	95	90 - 110	P	10/14/2024	18:00	LB132927
	Sodium	24900	25000	100	90 - 110	P	10/14/2024	18:00	LB132927
	Thallium	5080	5000	102	90 - 110	P	10/14/2024	18:00	LB132927
	Vanadium	2420	2500	97	90 - 110	P	10/14/2024	18:00	LB132927
	Zinc	2280	2500	91	90 - 110	P	10/14/2024	18:00	LB132927
CCV06	Aluminum	10000	10000	100	90 - 110	P	10/14/2024	18:51	LB132927
	Antimony	4960	5000	99	90 - 110	P	10/14/2024	18:51	LB132927
	Arsenic	4770	5000	95	90 - 110	P	10/14/2024	18:51	LB132927
	Barium	9960	10000	100	90 - 110	P	10/14/2024	18:51	LB132927
	Beryllium	248	250	99	90 - 110	P	10/14/2024	18:51	LB132927
	Cadmium	2350	2500	94	90 - 110	P	10/14/2024	18:51	LB132927
	Calcium	24000	25000	96	90 - 110	P	10/14/2024	18:51	LB132927
	Chromium	1000	1000	100	90 - 110	P	10/14/2024	18:51	LB132927
	Cobalt	2400	2500	96	90 - 110	P	10/14/2024	18:51	LB132927
	Copper	1220	1250	97	90 - 110	P	10/14/2024	18:51	LB132927
	Iron	4510	5000	90	90 - 110	P	10/14/2024	18:51	LB132927
	Lead	4800	5000	96	90 - 110	P	10/14/2024	18:51	LB132927
	Magnesium	24800	25000	99	90 - 110	P	10/14/2024	18:51	LB132927
	Manganese	2750	2500	110	90 - 110	P	10/14/2024	18:51	LB132927
	Nickel	2390	2500	96	90 - 110	P	10/14/2024	18:51	LB132927
	Potassium	22800	25000	91	90 - 110	P	10/14/2024	18:51	LB132927
	Selenium	4980	5000	100	90 - 110	P	10/14/2024	18:51	LB132927
	Silver	1210	1250	97	90 - 110	P	10/14/2024	18:51	LB132927
	Sodium	24300	25000	97	90 - 110	P	10/14/2024	18:51	LB132927
	Thallium	5220	5000	104	90 - 110	P	10/14/2024	18:51	LB132927
	Vanadium	2450	2500	98	90 - 110	P	10/14/2024	18:51	LB132927
	Zinc	2430	2500	97	90 - 110	P	10/14/2024	18:51	LB132927
CCV07	Aluminum	9940	10000	99	90 - 110	P	10/14/2024	19:11	LB132927
	Antimony	5030	5000	100	90 - 110	P	10/14/2024	19:11	LB132927
	Arsenic	4870	5000	97	90 - 110	P	10/14/2024	19:11	LB132927
	Barium	10200	10000	102	90 - 110	P	10/14/2024	19:11	LB132927

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	237	250	95	90 - 110	P	10/14/2024	19:11	LB132927
	Cadmium	2380	2500	95	90 - 110	P	10/14/2024	19:11	LB132927
	Calcium	24000	25000	96	90 - 110	P	10/14/2024	19:11	LB132927
	Chromium	997	1000	100	90 - 110	P	10/14/2024	19:11	LB132927
	Cobalt	2420	2500	97	90 - 110	P	10/14/2024	19:11	LB132927
	Copper	1240	1250	99	90 - 110	P	10/14/2024	19:11	LB132927
	Iron	4570	5000	91	90 - 110	P	10/14/2024	19:11	LB132927
	Lead	4860	5000	97	90 - 110	P	10/14/2024	19:11	LB132927
	Magnesium	24500	25000	98	90 - 110	P	10/14/2024	19:11	LB132927
	Manganese	2730	2500	109	90 - 110	P	10/14/2024	19:11	LB132927
	Nickel	2420	2500	97	90 - 110	P	10/14/2024	19:11	LB132927
	Potassium	23400	25000	94	90 - 110	P	10/14/2024	19:11	LB132927
	Selenium	5100	5000	102	90 - 110	P	10/14/2024	19:11	LB132927
	Silver	1200	1250	96	90 - 110	P	10/14/2024	19:11	LB132927
	Sodium	24900	25000	99	90 - 110	P	10/14/2024	19:11	LB132927
	Thallium	5320	5000	106	90 - 110	P	10/14/2024	19:11	LB132927
	Vanadium	2460	2500	98	90 - 110	P	10/14/2024	19:11	LB132927
	Zinc	2430	2500	97	90 - 110	P	10/14/2024	19:11	LB132927

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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	2580	2500	103	90 - 110	P	10/15/2024	11:24	LB132951
	Antimony	996	1000	100	90 - 110	P	10/15/2024	11:24	LB132951
	Arsenic	959	1000	96	90 - 110	P	10/15/2024	11:24	LB132951
	Barium	517	520	99	90 - 110	P	10/15/2024	11:24	LB132951
	Beryllium	510	510	100	90 - 110	P	10/15/2024	11:24	LB132951
	Cadmium	485	510	95	90 - 110	P	10/15/2024	11:24	LB132951
	Calcium	10300	10000	102	90 - 110	P	10/15/2024	11:24	LB132951
	Chromium	534	520	103	90 - 110	P	10/15/2024	11:24	LB132951
	Cobalt	518	520	100	90 - 110	P	10/15/2024	11:24	LB132951
	Copper	530	510	104	90 - 110	P	10/15/2024	11:24	LB132951
	Iron	10100	10000	101	90 - 110	P	10/15/2024	11:24	LB132951
	Lead	967	1000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Magnesium	5970	6000	100	90 - 110	P	10/15/2024	11:24	LB132951
	Manganese	524	520	101	90 - 110	P	10/15/2024	11:24	LB132951
	Nickel	520	530	98	90 - 110	P	10/15/2024	11:24	LB132951
	Potassium	9920	9900	100	90 - 110	P	10/15/2024	11:24	LB132951
	Selenium	969	1000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Silver	259	250	104	90 - 110	P	10/15/2024	11:24	LB132951
	Sodium	9660	10000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Thallium	972	1000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Vanadium	502	500	100	90 - 110	P	10/15/2024	11:24	LB132951
	Zinc	1050	1000	105	90 - 110	P	10/15/2024	11:24	LB132951

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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	110	100	110	80 - 120	P	10/15/2024	11:37	LB132951
	Antimony	49.6	50.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Arsenic	20.5	20.0	102	80 - 120	P	10/15/2024	11:37	LB132951
	Barium	98.7	100	99	80 - 120	P	10/15/2024	11:37	LB132951
	Beryllium	6.08	6.0	101	80 - 120	P	10/15/2024	11:37	LB132951
	Cadmium	5.92	6.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Calcium	2040	2000	102	80 - 120	P	10/15/2024	11:37	LB132951
	Chromium	9.81	10.0	98	80 - 120	P	10/15/2024	11:37	LB132951
	Cobalt	29.8	30.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Copper	22.5	20.0	112	80 - 120	P	10/15/2024	11:37	LB132951
	Iron	101	100	101	80 - 120	P	10/15/2024	11:37	LB132951
	Lead	12.0	12.0	100	80 - 120	P	10/15/2024	11:37	LB132951
	Magnesium	2170	2000	108	80 - 120	P	10/15/2024	11:37	LB132951
	Manganese	21.0	20.0	105	80 - 120	P	10/15/2024	11:37	LB132951
	Nickel	39.6	40.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Potassium	1900	2000	95	80 - 120	P	10/15/2024	11:37	LB132951
	Selenium	18.3	20.0	92	80 - 120	P	10/15/2024	11:37	LB132951
	Silver	11.6	10.0	116	80 - 120	P	10/15/2024	11:37	LB132951
	Sodium	1890	2000	95	80 - 120	P	10/15/2024	11:37	LB132951
	Thallium	37.6	40.0	94	80 - 120	P	10/15/2024	11:37	LB132951
	Vanadium	40.1	40.0	100	80 - 120	P	10/15/2024	11:37	LB132951
	Zinc	43.6	40.0	109	80 - 120	P	10/15/2024	11:37	LB132951

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	10300	10000	103	90 - 110	P	10/15/2024	12:26	LB132951
	Antimony	5080	5000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Arsenic	5030	5000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Barium	10300	10000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Beryllium	254	250	102	90 - 110	P	10/15/2024	12:26	LB132951
	Cadmium	2470	2500	99	90 - 110	P	10/15/2024	12:26	LB132951
	Calcium	25500	25000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Chromium	1010	1000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Cobalt	2470	2500	99	90 - 110	P	10/15/2024	12:26	LB132951
	Copper	1270	1250	101	90 - 110	P	10/15/2024	12:26	LB132951
	Iron	5020	5000	100	90 - 110	P	10/15/2024	12:26	LB132951
	Lead	4930	5000	99	90 - 110	P	10/15/2024	12:26	LB132951
	Magnesium	25400	25000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Manganese	2540	2500	101	90 - 110	P	10/15/2024	12:26	LB132951
	Nickel	2470	2500	99	90 - 110	P	10/15/2024	12:26	LB132951
	Potassium	25400	25000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Selenium	5080	5000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Silver	1270	1250	102	90 - 110	P	10/15/2024	12:26	LB132951
	Sodium	25000	25000	100	90 - 110	P	10/15/2024	12:26	LB132951
	Thallium	5060	5000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Vanadium	2580	2500	103	90 - 110	P	10/15/2024	12:26	LB132951
	Zinc	2590	2500	104	90 - 110	P	10/15/2024	12:26	LB132951
CCV02	Aluminum	10000	10000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Antimony	4990	5000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Arsenic	4920	5000	98	90 - 110	P	10/15/2024	13:23	LB132951
	Barium	9960	10000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Beryllium	236	250	94	90 - 110	P	10/15/2024	13:23	LB132951
	Cadmium	2380	2500	95	90 - 110	P	10/15/2024	13:23	LB132951
	Calcium	24600	25000	98	90 - 110	P	10/15/2024	13:23	LB132951
	Chromium	962	1000	96	90 - 110	P	10/15/2024	13:23	LB132951
	Cobalt	2390	2500	96	90 - 110	P	10/15/2024	13:23	LB132951
	Copper	1240	1250	99	90 - 110	P	10/15/2024	13:23	LB132951
	Iron	4850	5000	97	90 - 110	P	10/15/2024	13:23	LB132951
	Lead	4760	5000	95	90 - 110	P	10/15/2024	13:23	LB132951

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24200	25000	97	90 - 110	P	10/15/2024	13:23	LB132951
	Manganese	2430	2500	97	90 - 110	P	10/15/2024	13:23	LB132951
	Nickel	2390	2500	96	90 - 110	P	10/15/2024	13:23	LB132951
	Potassium	24600	25000	99	90 - 110	P	10/15/2024	13:23	LB132951
	Selenium	5000	5000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Silver	1210	1250	97	90 - 110	P	10/15/2024	13:23	LB132951
	Sodium	24000	25000	96	90 - 110	P	10/15/2024	13:23	LB132951
	Thallium	4870	5000	97	90 - 110	P	10/15/2024	13:23	LB132951
	Vanadium	2510	2500	100	90 - 110	P	10/15/2024	13:23	LB132951
	Zinc	2460	2500	98	90 - 110	P	10/15/2024	13:23	LB132951
CCV03	Aluminum	9810	10000	98	90 - 110	P	10/15/2024	14:07	LB132951
	Antimony	4830	5000	97	90 - 110	P	10/15/2024	14:07	LB132951
	Arsenic	4770	5000	96	90 - 110	P	10/15/2024	14:07	LB132951
	Barium	9670	10000	97	90 - 110	P	10/15/2024	14:07	LB132951
	Beryllium	237	250	95	90 - 110	P	10/15/2024	14:07	LB132951
	Cadmium	2320	2500	93	90 - 110	P	10/15/2024	14:07	LB132951
	Calcium	23800	25000	95	90 - 110	P	10/15/2024	14:07	LB132951
	Chromium	929	1000	93	90 - 110	P	10/15/2024	14:07	LB132951
	Cobalt	2320	2500	93	90 - 110	P	10/15/2024	14:07	LB132951
	Copper	1200	1250	96	90 - 110	P	10/15/2024	14:07	LB132951
	Iron	4530	5000	91	90 - 110	P	10/15/2024	14:07	LB132951
	Lead	4630	5000	93	90 - 110	P	10/15/2024	14:07	LB132951
	Magnesium	23700	25000	95	90 - 110	P	10/15/2024	14:07	LB132951
	Manganese	2380	2500	95	90 - 110	P	10/15/2024	14:07	LB132951
	Nickel	2320	2500	93	90 - 110	P	10/15/2024	14:07	LB132951
	Potassium	23300	25000	93	90 - 110	P	10/15/2024	14:07	LB132951
	Selenium	4840	5000	97	90 - 110	P	10/15/2024	14:07	LB132951
	Silver	1170	1250	94	90 - 110	P	10/15/2024	14:07	LB132951
	Sodium	22800	25000	91	90 - 110	P	10/15/2024	14:07	LB132951
	Thallium	4780	5000	96	90 - 110	P	10/15/2024	14:07	LB132951
	Vanadium	2430	2500	97	90 - 110	P	10/15/2024	14:07	LB132951
	Zinc	2400	2500	96	90 - 110	P	10/15/2024	14:07	LB132951
CCV04	Aluminum	10300	10000	103	90 - 110	P	10/15/2024	14:35	LB132951
	Antimony	4810	5000	96	90 - 110	P	10/15/2024	14:35	LB132951

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	4720	5000	94	90 - 110	P	10/15/2024	14:35	LB132951
	Barium	10200	10000	102	90 - 110	P	10/15/2024	14:35	LB132951
	Beryllium	255	250	102	90 - 110	P	10/15/2024	14:35	LB132951
	Cadmium	2320	2500	93	90 - 110	P	10/15/2024	14:35	LB132951
	Calcium	25100	25000	100	90 - 110	P	10/15/2024	14:35	LB132951
	Chromium	961	1000	96	90 - 110	P	10/15/2024	14:35	LB132951
	Cobalt	2330	2500	93	90 - 110	P	10/15/2024	14:35	LB132951
	Copper	1200	1250	96	90 - 110	P	10/15/2024	14:35	LB132951
	Iron	4690	5000	94	90 - 110	P	10/15/2024	14:35	LB132951
	Lead	4650	5000	93	90 - 110	P	10/15/2024	14:35	LB132951
	Magnesium	25000	25000	100	90 - 110	P	10/15/2024	14:35	LB132951
	Manganese	2520	2500	101	90 - 110	P	10/15/2024	14:35	LB132951
	Nickel	2330	2500	93	90 - 110	P	10/15/2024	14:35	LB132951
	Potassium	24000	25000	96	90 - 110	P	10/15/2024	14:35	LB132951
	Selenium	4740	5000	95	90 - 110	P	10/15/2024	14:35	LB132951
	Silver	1220	1250	97	90 - 110	P	10/15/2024	14:35	LB132951
	Sodium	23500	25000	94	90 - 110	P	10/15/2024	14:35	LB132951
	Thallium	4740	5000	95	90 - 110	P	10/15/2024	14:35	LB132951
	Vanadium	2550	2500	102	90 - 110	P	10/15/2024	14:35	LB132951
	Zinc	2470	2500	99	90 - 110	P	10/15/2024	14:35	LB132951
CCV05	Aluminum	9830	10000	98	90 - 110	P	10/15/2024	15:26	LB132951
	Antimony	4880	5000	98	90 - 110	P	10/15/2024	15:26	LB132951
	Arsenic	4810	5000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Barium	9850	10000	98	90 - 110	P	10/15/2024	15:26	LB132951
	Beryllium	236	250	95	90 - 110	P	10/15/2024	15:26	LB132951
	Cadmium	2370	2500	95	90 - 110	P	10/15/2024	15:26	LB132951
	Calcium	24300	25000	97	90 - 110	P	10/15/2024	15:26	LB132951
	Chromium	949	1000	95	90 - 110	P	10/15/2024	15:26	LB132951
	Cobalt	2370	2500	95	90 - 110	P	10/15/2024	15:26	LB132951
	Copper	1220	1250	97	90 - 110	P	10/15/2024	15:26	LB132951
	Iron	4740	5000	95	90 - 110	P	10/15/2024	15:26	LB132951
	Lead	4740	5000	95	90 - 110	P	10/15/2024	15:26	LB132951
	Magnesium	24000	25000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Manganese	2410	2500	96	90 - 110	P	10/15/2024	15:26	LB132951

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	2370	2500	95	90 - 110	P	10/15/2024	15:26	LB132951
	Potassium	24000	25000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Selenium	4850	5000	97	90 - 110	P	10/15/2024	15:26	LB132951
	Silver	1200	1250	96	90 - 110	P	10/15/2024	15:26	LB132951
	Sodium	23200	25000	93	90 - 110	P	10/15/2024	15:26	LB132951
	Thallium	4790	5000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Vanadium	2460	2500	98	90 - 110	P	10/15/2024	15:26	LB132951
	Zinc	2440	2500	98	90 - 110	P	10/15/2024	15:26	LB132951
CCV06	Aluminum	9870	10000	99	90 - 110	P	10/15/2024	16:17	LB132951
	Antimony	4840	5000	97	90 - 110	P	10/15/2024	16:17	LB132951
	Arsenic	4780	5000	96	90 - 110	P	10/15/2024	16:17	LB132951
	Barium	9880	10000	99	90 - 110	P	10/15/2024	16:17	LB132951
	Beryllium	250	250	100	90 - 110	P	10/15/2024	16:17	LB132951
	Cadmium	2350	2500	94	90 - 110	P	10/15/2024	16:17	LB132951
	Calcium	24300	25000	97	90 - 110	P	10/15/2024	16:17	LB132951
	Chromium	951	1000	95	90 - 110	P	10/15/2024	16:17	LB132951
	Cobalt	2360	2500	94	90 - 110	P	10/15/2024	16:17	LB132951
	Copper	1210	1250	97	90 - 110	P	10/15/2024	16:17	LB132951
	Iron	4620	5000	92	90 - 110	P	10/15/2024	16:17	LB132951
	Lead	4710	5000	94	90 - 110	P	10/15/2024	16:17	LB132951
	Magnesium	24300	25000	97	90 - 110	P	10/15/2024	16:17	LB132951
	Manganese	2440	2500	97	90 - 110	P	10/15/2024	16:17	LB132951
	Nickel	2360	2500	94	90 - 110	P	10/15/2024	16:17	LB132951
	Potassium	23100	25000	92	90 - 110	P	10/15/2024	16:17	LB132951
	Selenium	4820	5000	96	90 - 110	P	10/15/2024	16:17	LB132951
	Silver	1200	1250	96	90 - 110	P	10/15/2024	16:17	LB132951
	Sodium	22600	25000	90	90 - 110	P	10/15/2024	16:17	LB132951
	Thallium	4940	5000	99	90 - 110	P	10/15/2024	16:17	LB132951
	Vanadium	2460	2500	98	90 - 110	P	10/15/2024	16:17	LB132951
	Zinc	2290	2500	92	90 - 110	P	10/15/2024	16:17	LB132951
CCV07	Aluminum	9910	10000	99	90 - 110	P	10/15/2024	17:14	LB132951
	Antimony	5000	5000	100	90 - 110	P	10/15/2024	17:14	LB132951
	Arsenic	4940	5000	99	90 - 110	P	10/15/2024	17:14	LB132951
	Barium	9740	10000	97	90 - 110	P	10/15/2024	17:14	LB132951

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	248	250	99	90 - 110	P	10/15/2024	17:14	LB132951
	Cadmium	2400	2500	96	90 - 110	P	10/15/2024	17:14	LB132951
	Calcium	24200	25000	97	90 - 110	P	10/15/2024	17:14	LB132951
	Chromium	948	1000	95	90 - 110	P	10/15/2024	17:14	LB132951
	Cobalt	2400	2500	96	90 - 110	P	10/15/2024	17:14	LB132951
	Copper	1240	1250	99	90 - 110	P	10/15/2024	17:14	LB132951
	Iron	4590	5000	92	90 - 110	P	10/15/2024	17:14	LB132951
	Lead	4800	5000	96	90 - 110	P	10/15/2024	17:14	LB132951
	Magnesium	24100	25000	97	90 - 110	P	10/15/2024	17:14	LB132951
	Manganese	2420	2500	97	90 - 110	P	10/15/2024	17:14	LB132951
	Nickel	2410	2500	96	90 - 110	P	10/15/2024	17:14	LB132951
	Potassium	22900	25000	92	90 - 110	P	10/15/2024	17:14	LB132951
	Selenium	5020	5000	100	90 - 110	P	10/15/2024	17:14	LB132951
	Silver	1200	1250	96	90 - 110	P	10/15/2024	17:14	LB132951
	Sodium	26100	25000	104	90 - 110	P	10/15/2024	17:14	LB132951
	Thallium	4970	5000	99	90 - 110	P	10/15/2024	17:14	LB132951
	Vanadium	2470	2500	99	90 - 110	P	10/15/2024	17:14	LB132951
	Zinc	2590	2500	104	90 - 110	P	10/15/2024	17:14	LB132951
CCV08	Aluminum	10000	10000	100	90 - 110	P	10/15/2024	17:49	LB132951
	Antimony	4980	5000	100	90 - 110	P	10/15/2024	17:49	LB132951
	Arsenic	4880	5000	98	90 - 110	P	10/15/2024	17:49	LB132951
	Barium	9900	10000	99	90 - 110	P	10/15/2024	17:49	LB132951
	Beryllium	242	250	97	90 - 110	P	10/15/2024	17:49	LB132951
	Cadmium	2370	2500	95	90 - 110	P	10/15/2024	17:49	LB132951
	Calcium	24400	25000	98	90 - 110	P	10/15/2024	17:49	LB132951
	Chromium	968	1000	97	90 - 110	P	10/15/2024	17:49	LB132951
	Cobalt	2380	2500	95	90 - 110	P	10/15/2024	17:49	LB132951
	Copper	1230	1250	99	90 - 110	P	10/15/2024	17:49	LB132951
	Iron	4820	5000	96	90 - 110	P	10/15/2024	17:49	LB132951
	Lead	4750	5000	95	90 - 110	P	10/15/2024	17:49	LB132951
	Magnesium	24300	25000	97	90 - 110	P	10/15/2024	17:49	LB132951
	Manganese	2430	2500	97	90 - 110	P	10/15/2024	17:49	LB132951
	Nickel	2380	2500	95	90 - 110	P	10/15/2024	17:49	LB132951
	Potassium	23900	25000	96	90 - 110	P	10/15/2024	17:49	LB132951

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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
CCV08	Selenium	4960	5000	99	90 - 110	P	10/15/2024	17:49	LB132951
	Silver	1220	1250	98	90 - 110	P	10/15/2024	17:49	LB132951
	Sodium	23200	25000	93	90 - 110	P	10/15/2024	17:49	LB132951
	Thallium	4810	5000	96	90 - 110	P	10/15/2024	17:49	LB132951
	Vanadium	2510	2500	100	90 - 110	P	10/15/2024	17:49	LB132951
	Zinc	2700	2500	108	90 - 110	P	10/15/2024	17:49	LB132951

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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	2330	2500	93	90 - 110	P	10/18/2024	13:08	LB133014
	Antimony	1020	1000	102	90 - 110	P	10/18/2024	13:08	LB133014
	Arsenic	1030	1000	103	90 - 110	P	10/18/2024	13:08	LB133014
	Barium	498	520	96	90 - 110	P	10/18/2024	13:08	LB133014
	Beryllium	504	510	99	90 - 110	P	10/18/2024	13:08	LB133014
	Cadmium	517	510	101	90 - 110	P	10/18/2024	13:08	LB133014
	Calcium	9990	10000	100	90 - 110	P	10/18/2024	13:08	LB133014
	Chromium	551	520	106	90 - 110	P	10/18/2024	13:08	LB133014
	Cobalt	533	520	103	90 - 110	P	10/18/2024	13:08	LB133014
	Copper	544	510	107	90 - 110	P	10/18/2024	13:08	LB133014
	Iron	10500	10000	104	90 - 110	P	10/18/2024	13:08	LB133014
	Lead	1030	1000	103	90 - 110	P	10/18/2024	13:08	LB133014
	Magnesium	5790	6000	96	90 - 110	P	10/18/2024	13:08	LB133014
	Manganese	512	520	98	90 - 110	P	10/18/2024	13:08	LB133014
	Nickel	536	530	101	90 - 110	P	10/18/2024	13:08	LB133014
	Potassium	10300	9900	104	90 - 110	P	10/18/2024	13:08	LB133014
	Selenium	1030	1000	103	90 - 110	P	10/18/2024	13:08	LB133014
	Silver	269	250	108	90 - 110	P	10/18/2024	13:08	LB133014
	Sodium	10100	10000	101	90 - 110	P	10/18/2024	13:08	LB133014
	Thallium	1080	1000	108	90 - 110	P	10/18/2024	13:08	LB133014
	Vanadium	486	500	97	90 - 110	P	10/18/2024	13:08	LB133014
	Zinc	1070	1000	107	90 - 110	P	10/18/2024	13:08	LB133014

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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	95.8	100	96	80 - 120	P	10/18/2024	13:13	LB133014
	Antimony	47.7	50.0	95	80 - 120	P	10/18/2024	13:13	LB133014
	Arsenic	19.3	20.0	97	80 - 120	P	10/18/2024	13:13	LB133014
	Barium	92.1	100	92	80 - 120	P	10/18/2024	13:13	LB133014
	Beryllium	5.87	6.0	98	80 - 120	P	10/18/2024	13:13	LB133014
	Cadmium	5.61	6.0	94	80 - 120	P	10/18/2024	13:13	LB133014
	Calcium	1900	2000	95	80 - 120	P	10/18/2024	13:13	LB133014
	Chromium	9.84	10.0	98	80 - 120	P	10/18/2024	13:13	LB133014
	Cobalt	28.9	30.0	96	80 - 120	P	10/18/2024	13:13	LB133014
	Copper	21.7	20.0	108	80 - 120	P	10/18/2024	13:13	LB133014
	Iron	105	100	105	80 - 120	P	10/18/2024	13:13	LB133014
	Lead	14.2	12.0	118	80 - 120	P	10/18/2024	13:13	LB133014
	Magnesium	2010	2000	100	80 - 120	P	10/18/2024	13:13	LB133014
	Manganese	19.0	20.0	95	80 - 120	P	10/18/2024	13:13	LB133014
	Nickel	38.7	40.0	97	80 - 120	P	10/18/2024	13:13	LB133014
	Potassium	1920	2000	96	80 - 120	P	10/18/2024	13:13	LB133014
	Selenium	17.4	20.0	87	80 - 120	P	10/18/2024	13:13	LB133014
	Silver	11.8	10.0	118	80 - 120	P	10/18/2024	13:13	LB133014
	Sodium	1880	2000	94	80 - 120	P	10/18/2024	13:13	LB133014
	Thallium	39.2	40.0	98	80 - 120	P	10/18/2024	13:13	LB133014
	Vanadium	37.8	40.0	94	80 - 120	P	10/18/2024	13:13	LB133014
	Zinc	41.1	40.0	103	80 - 120	P	10/18/2024	13:13	LB133014

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	9900	10000	99	90 - 110	P	10/18/2024	14:00	LB133014
	Antimony	5110	5000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Arsenic	5310	5000	106	90 - 110	P	10/18/2024	14:00	LB133014
	Barium	9920	10000	99	90 - 110	P	10/18/2024	14:00	LB133014
	Beryllium	251	250	100	90 - 110	P	10/18/2024	14:00	LB133014
	Cadmium	2620	2500	105	90 - 110	P	10/18/2024	14:00	LB133014
	Calcium	25000	25000	100	90 - 110	P	10/18/2024	14:00	LB133014
	Chromium	1030	1000	103	90 - 110	P	10/18/2024	14:00	LB133014
	Cobalt	2530	2500	101	90 - 110	P	10/18/2024	14:00	LB133014
	Copper	1280	1250	102	90 - 110	P	10/18/2024	14:00	LB133014
	Iron	5120	5000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Lead	5220	5000	104	90 - 110	P	10/18/2024	14:00	LB133014
	Magnesium	25000	25000	100	90 - 110	P	10/18/2024	14:00	LB133014
	Manganese	2480	2500	99	90 - 110	P	10/18/2024	14:00	LB133014
	Nickel	2530	2500	101	90 - 110	P	10/18/2024	14:00	LB133014
	Potassium	25400	25000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Selenium	5250	5000	105	90 - 110	P	10/18/2024	14:00	LB133014
	Silver	1280	1250	103	90 - 110	P	10/18/2024	14:00	LB133014
	Sodium	25200	25000	101	90 - 110	P	10/18/2024	14:00	LB133014
	Thallium	5120	5000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Vanadium	2490	2500	100	90 - 110	P	10/18/2024	14:00	LB133014
	Zinc	2560	2500	102	90 - 110	P	10/18/2024	14:00	LB133014
CCV02	Aluminum	9570	10000	96	90 - 110	P	10/18/2024	14:53	LB133014
	Antimony	4850	5000	97	90 - 110	P	10/18/2024	14:53	LB133014
	Arsenic	5040	5000	101	90 - 110	P	10/18/2024	14:53	LB133014
	Barium	9490	10000	95	90 - 110	P	10/18/2024	14:53	LB133014
	Beryllium	246	250	98	90 - 110	P	10/18/2024	14:53	LB133014
	Cadmium	2500	2500	100	90 - 110	P	10/18/2024	14:53	LB133014
	Calcium	24000	25000	96	90 - 110	P	10/18/2024	14:53	LB133014
	Chromium	1000	1000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Cobalt	2410	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Copper	1210	1250	96	90 - 110	P	10/18/2024	14:53	LB133014
	Iron	5030	5000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Lead	5010	5000	100	90 - 110	P	10/18/2024	14:53	LB133014

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24000	25000	96	90 - 110	P	10/18/2024	14:53	LB133014
	Manganese	2390	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Nickel	2410	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Potassium	24900	25000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Selenium	4990	5000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Silver	1260	1250	101	90 - 110	P	10/18/2024	14:53	LB133014
	Sodium	24800	25000	99	90 - 110	P	10/18/2024	14:53	LB133014
	Thallium	5350	5000	107	90 - 110	P	10/18/2024	14:53	LB133014
	Vanadium	2390	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Zinc	2500	2500	100	90 - 110	P	10/18/2024	14:53	LB133014
CCV03	Aluminum	9330	10000	93	90 - 110	P	10/18/2024	16:05	LB133014
	Antimony	4690	5000	94	90 - 110	P	10/18/2024	16:05	LB133014
	Arsenic	4920	5000	98	90 - 110	P	10/18/2024	16:05	LB133014
	Barium	9220	10000	92	90 - 110	P	10/18/2024	16:05	LB133014
	Beryllium	255	250	102	90 - 110	P	10/18/2024	16:05	LB133014
	Cadmium	2500	2500	100	90 - 110	P	10/18/2024	16:05	LB133014
	Calcium	23900	25000	96	90 - 110	P	10/18/2024	16:05	LB133014
	Chromium	984	1000	98	90 - 110	P	10/18/2024	16:05	LB133014
	Cobalt	2390	2500	96	90 - 110	P	10/18/2024	16:05	LB133014
	Copper	1180	1250	94	90 - 110	P	10/18/2024	16:05	LB133014
	Iron	4600	5000	92	90 - 110	P	10/18/2024	16:05	LB133014
	Lead	4990	5000	100	90 - 110	P	10/18/2024	16:05	LB133014
	Magnesium	23600	25000	94	90 - 110	P	10/18/2024	16:05	LB133014
	Manganese	2290	2500	92	90 - 110	P	10/18/2024	16:05	LB133014
	Nickel	2400	2500	96	90 - 110	P	10/18/2024	16:05	LB133014
	Potassium	22500	25000	90	90 - 110	P	10/18/2024	16:05	LB133014
	Selenium	4840	5000	97	90 - 110	P	10/18/2024	16:05	LB133014
	Silver	1200	1250	96	90 - 110	P	10/18/2024	16:05	LB133014
	Sodium	24500	25000	98	90 - 110	P	10/18/2024	16:05	LB133014
	Thallium	5190	5000	104	90 - 110	P	10/18/2024	16:05	LB133014
	Vanadium	2310	2500	92	90 - 110	P	10/18/2024	16:05	LB133014
	Zinc	2360	2500	95	90 - 110	P	10/18/2024	16:05	LB133014
CCV04	Aluminum	9210	10000	92	90 - 110	P	10/18/2024	17:28	LB133014
	Antimony	4730	5000	95	90 - 110	P	10/18/2024	17:28	LB133014

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	4890	5000	98	90 - 110	P	10/18/2024	17:28	LB133014
	Barium	9280	10000	93	90 - 110	P	10/18/2024	17:28	LB133014
	Beryllium	242	250	97	90 - 110	P	10/18/2024	17:28	LB133014
	Cadmium	2420	2500	97	90 - 110	P	10/18/2024	17:28	LB133014
	Calcium	23100	25000	92	90 - 110	P	10/18/2024	17:28	LB133014
	Chromium	954	1000	95	90 - 110	P	10/18/2024	17:28	LB133014
	Cobalt	2330	2500	93	90 - 110	P	10/18/2024	17:28	LB133014
	Copper	1170	1250	94	90 - 110	P	10/18/2024	17:28	LB133014
	Iron	4420	5000	88	90 - 110	P	10/18/2024	17:28	LB133014
	Lead	4850	5000	97	90 - 110	P	10/18/2024	17:28	LB133014
	Magnesium	22400	25000	90	90 - 110	P	10/18/2024	17:28	LB133014
	Manganese	2230	2500	89	90 - 110	P	10/18/2024	17:28	LB133014
	Nickel	2330	2500	93	90 - 110	P	10/18/2024	17:28	LB133014
	Potassium	23500	25000	94	90 - 110	P	10/18/2024	17:28	LB133014
	Selenium	4850	5000	97	90 - 110	P	10/18/2024	17:28	LB133014
	Silver	1200	1250	96	90 - 110	P	10/18/2024	17:28	LB133014
	Sodium	23300	25000	93	90 - 110	P	10/18/2024	17:28	LB133014
	Thallium	5110	5000	102	90 - 110	P	10/18/2024	17:28	LB133014
	Vanadium	2250	2500	90	90 - 110	P	10/18/2024	17:28	LB133014
	Zinc	2370	2500	95	90 - 110	P	10/18/2024	17:28	LB133014



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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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	0.19	0.2	93	40 - 160	CV	10/14/2024	11:45	LB132914
CRI01	Aluminum	105	100	105	40 - 160	P	10/14/2024	14:27	LB132927
	Antimony	51.4	50.0	103	40 - 160	P	10/14/2024	14:27	LB132927
	Arsenic	17.5	20.0	88	40 - 160	P	10/14/2024	14:27	LB132927
	Barium	94.6	100	95	40 - 160	P	10/14/2024	14:27	LB132927
	Beryllium	6.18	6.0	103	40 - 160	P	10/14/2024	14:27	LB132927
	Cadmium	6.16	6.0	103	40 - 160	P	10/14/2024	14:27	LB132927
	Calcium	2040	2000	102	40 - 160	P	10/14/2024	14:27	LB132927
	Chromium	10.1	10.0	101	40 - 160	P	10/14/2024	14:27	LB132927
	Cobalt	30.4	30.0	101	40 - 160	P	10/14/2024	14:27	LB132927
	Copper	22.7	20.0	114	40 - 160	P	10/14/2024	14:27	LB132927
	Iron	98.3	100	98	40 - 160	P	10/14/2024	14:27	LB132927
	Lead	14.4	12.0	120	40 - 160	P	10/14/2024	14:27	LB132927
	Magnesium	2180	2000	109	40 - 160	P	10/14/2024	14:27	LB132927
	Manganese	19.6	20.0	98	40 - 160	P	10/14/2024	14:27	LB132927
	Nickel	40.3	40.0	101	40 - 160	P	10/14/2024	14:27	LB132927
	Potassium	1950	2000	98	40 - 160	P	10/14/2024	14:27	LB132927
	Selenium	19.5	20.0	97	40 - 160	P	10/14/2024	14:27	LB132927
	Silver	12.9	10.0	129	40 - 160	P	10/14/2024	14:27	LB132927
	Sodium	1640	2000	82	40 - 160	P	10/14/2024	14:27	LB132927
	Thallium	40.4	40.0	101	40 - 160	P	10/14/2024	14:27	LB132927
	Vanadium	40.3	40.0	101	40 - 160	P	10/14/2024	14:27	LB132927
	Zinc	41.8	40.0	104	40 - 160	P	10/14/2024	14:27	LB132927
CRI01	Aluminum	105	100	105	40 - 160	P	10/15/2024	11:46	LB132951
	Antimony	50.1	50.0	100	40 - 160	P	10/15/2024	11:46	LB132951
	Arsenic	20.1	20.0	100	40 - 160	P	10/15/2024	11:46	LB132951
	Barium	97.7	100	98	40 - 160	P	10/15/2024	11:46	LB132951
	Beryllium	6.07	6.0	101	40 - 160	P	10/15/2024	11:46	LB132951
	Cadmium	5.91	6.0	98	40 - 160	P	10/15/2024	11:46	LB132951
	Calcium	2020	2000	101	40 - 160	P	10/15/2024	11:46	LB132951
	Chromium	10.2	10.0	102	40 - 160	P	10/15/2024	11:46	LB132951
	Cobalt	29.9	30.0	100	40 - 160	P	10/15/2024	11:46	LB132951
	Copper	22.3	20.0	111	40 - 160	P	10/15/2024	11:46	LB132951
	Iron	105	100	106	40 - 160	P	10/15/2024	11:46	LB132951
	Lead	14.6	12.0	122	40 - 160	P	10/15/2024	11:46	LB132951

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Roman E&G Corp **SDG No.:** P4258

Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	2150	2000	108	40 - 160	P	10/15/2024	11:46	LB132951
	Manganese	20.8	20.0	104	40 - 160	P	10/15/2024	11:46	LB132951
	Nickel	39.8	40.0	99	40 - 160	P	10/15/2024	11:46	LB132951
	Potassium	1970	2000	98	40 - 160	P	10/15/2024	11:46	LB132951
	Selenium	15.6	20.0	78	40 - 160	P	10/15/2024	11:46	LB132951
	Silver	12.7	10.0	127	40 - 160	P	10/15/2024	11:46	LB132951
	Sodium	1930	2000	97	40 - 160	P	10/15/2024	11:46	LB132951
	Thallium	36.5	40.0	91	40 - 160	P	10/15/2024	11:46	LB132951
	Vanadium	40.5	40.0	101	40 - 160	P	10/15/2024	11:46	LB132951
	Zinc	43.5	40.0	109	40 - 160	P	10/15/2024	11:46	LB132951
CRI01	Aluminum	93.0	100	93	40 - 160	P	10/18/2024	13:27	LB133014
	Antimony	48.2	50.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Arsenic	20.0	20.0	100	40 - 160	P	10/18/2024	13:27	LB133014
	Barium	92.1	100	92	40 - 160	P	10/18/2024	13:27	LB133014
	Beryllium	5.98	6.0	100	40 - 160	P	10/18/2024	13:27	LB133014
	Cadmium	5.44	6.0	91	40 - 160	P	10/18/2024	13:27	LB133014
	Calcium	1910	2000	96	40 - 160	P	10/18/2024	13:27	LB133014
	Chromium	9.88	10.0	99	40 - 160	P	10/18/2024	13:27	LB133014
	Cobalt	28.8	30.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Copper	21.7	20.0	108	40 - 160	P	10/18/2024	13:27	LB133014
	Iron	105	100	105	40 - 160	P	10/18/2024	13:27	LB133014
	Lead	12.8	12.0	107	40 - 160	P	10/18/2024	13:27	LB133014
	Magnesium	2030	2000	102	40 - 160	P	10/18/2024	13:27	LB133014
	Manganese	19.3	20.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Nickel	38.5	40.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Potassium	1980	2000	99	40 - 160	P	10/18/2024	13:27	LB133014
	Selenium	17.9	20.0	89	40 - 160	P	10/18/2024	13:27	LB133014
	Silver	12.4	10.0	124	40 - 160	P	10/18/2024	13:27	LB133014
	Sodium	1940	2000	97	40 - 160	P	10/18/2024	13:27	LB133014
	Thallium	38.6	40.0	97	40 - 160	P	10/18/2024	13:27	LB133014
	Vanadium	37.5	40.0	94	40 - 160	P	10/18/2024	13:27	LB133014
	Zinc	42.5	40.0	106	40 - 160	P	10/18/2024	13:27	LB133014



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>Roman E&G Corp</u>				SDG No.:	<u>P4258</u>			
Contract:	<u>ROMA02</u>	Lab Code:	<u>CHEM</u>		Case No.:	<u>P4258</u>	SAS No.:	<u>P4258</u>	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB36	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	11:38	LB132914

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB13	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	11:43	LB132914
CCB14	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	12:13	LB132914
CCB15	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	12:41	LB132914
CCB16	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	13:12	LB132914
CCB17	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	13:39	LB132914
CCB18	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	14:06	LB132914
CCB19	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	14:34	LB132914
CCB20	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	15:01	LB132914
CCB21	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	15:17	LB132914

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Roman E&G Corp</u>		SDG No.: <u>P4258</u>							
Contract: <u>ROMA02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4258</u>	SAS No.: <u>P4258</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	10/14/2024	14:23	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	14:23	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	14:23	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	14:23	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	14:23	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	14:23	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	14:23	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	14:23	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	14:23	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	14:23	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	14:23	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	14:23	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	14:23	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	14:23	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	14:23	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	14:23	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	14:23	LB132927
	Silver	10.0	+/-10.0	U	10.0	P	10/14/2024	14:23	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	14:23	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	14:23	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	14:23	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	14:23	LB132927

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp		SDG No.: P4258							
Contract: ROMA02	Lab Code: CHEM	Case No.: P4258	SAS No.: P4258						
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	10/14/2024	14:47	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	14:47	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	14:47	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	14:47	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	14:47	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	14:47	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	14:47	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	14:47	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	14:47	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	14:47	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	14:47	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	14:47	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	14:47	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	14:47	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	14:47	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	14:47	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	14:47	LB132927
	Silver	10.0	+/-10.0	U	10.0	P	10/14/2024	14:47	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	14:47	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	14:47	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	14:47	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	14:47	LB132927
CCB02	Aluminum	100	+/-100	U	100	P	10/14/2024	15:13	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	15:13	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	15:13	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	15:13	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	15:13	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	15:13	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	15:13	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	15:13	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	15:13	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	15:13	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	15:13	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	15:13	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	15:13	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	15:13	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	15:13	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	15:13	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	15:13	LB132927

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp		SDG No.: P4258							
Contract: ROMA02	Lab Code: CHEM	Case No.: P4258	SAS No.: P4258						
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	10/14/2024	15:13	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	15:13	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	15:13	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	15:13	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	15:13	LB132927
CCB03	Aluminum	100	+/-100	U	100	P	10/14/2024	16:07	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	16:07	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	16:07	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	16:07	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	16:07	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	16:07	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	16:07	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	16:07	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	16:07	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	16:07	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	16:07	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	16:07	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	16:07	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	16:07	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	16:07	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	16:07	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	16:07	LB132927
	Silver	1.36	+/-10.0	J	10.0	P	10/14/2024	16:07	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	16:07	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	16:07	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	16:07	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	16:07	LB132927
CCB04	Aluminum	100	+/-100	U	100	P	10/14/2024	17:11	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	17:11	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	17:11	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	17:11	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	17:11	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	17:11	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	17:11	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	17:11	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	17:11	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	17:11	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	17:11	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	17:11	LB132927

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp		SDG No.: P4258							
Contract: ROMA02	Lab Code: CHEM	Case No.: P4258	SAS No.: P4258						
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	10/14/2024	17:11	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	17:11	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	17:11	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	17:11	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	17:11	LB132927
	Silver	1.36	+/-10.0	J	10.0	P	10/14/2024	17:11	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	17:11	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	17:11	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	17:11	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	17:11	LB132927
CCB05	Aluminum	100	+/-100	U	100	P	10/14/2024	18:04	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	18:04	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	18:04	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	18:04	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	18:04	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	18:04	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	18:04	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	18:04	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	18:04	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	18:04	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	18:04	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	18:04	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	18:04	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	18:04	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	18:04	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	18:04	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	18:04	LB132927
	Silver	1.27	+/-10.0	J	10.0	P	10/14/2024	18:04	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	18:04	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	18:04	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	18:04	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	18:04	LB132927
CCB06	Aluminum	100	+/-100	U	100	P	10/14/2024	18:55	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	18:55	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	18:55	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	18:55	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	18:55	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	18:55	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	18:55	LB132927

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp		SDG No.: P4258							
Contract: ROMA02	Lab Code: CHEM	Case No.: P4258	SAS No.: P4258						
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	10/14/2024	18:55	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	18:55	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	18:55	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	18:55	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	18:55	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	18:55	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	18:55	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	18:55	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	18:55	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	18:55	LB132927
	Silver	10.0	+/-10.0	U	10.0	P	10/14/2024	18:55	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	18:55	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	18:55	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	18:55	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	18:55	LB132927
CCB07	Aluminum	100	+/-100	U	100	P	10/14/2024	19:15	LB132927
	Antimony	50.0	+/-50.0	U	50.0	P	10/14/2024	19:15	LB132927
	Arsenic	20.0	+/-20.0	U	20.0	P	10/14/2024	19:15	LB132927
	Barium	100	+/-100	U	100	P	10/14/2024	19:15	LB132927
	Beryllium	6.00	+/-6.00	U	6.00	P	10/14/2024	19:15	LB132927
	Cadmium	6.00	+/-6.00	U	6.00	P	10/14/2024	19:15	LB132927
	Calcium	2000	+/-2000	U	2000	P	10/14/2024	19:15	LB132927
	Chromium	10.0	+/-10.0	U	10.0	P	10/14/2024	19:15	LB132927
	Cobalt	30.0	+/-30.0	U	30.0	P	10/14/2024	19:15	LB132927
	Copper	20.0	+/-20.0	U	20.0	P	10/14/2024	19:15	LB132927
	Iron	100	+/-100	U	100	P	10/14/2024	19:15	LB132927
	Lead	12.0	+/-12.0	U	12.0	P	10/14/2024	19:15	LB132927
	Magnesium	2000	+/-2000	U	2000	P	10/14/2024	19:15	LB132927
	Manganese	20.0	+/-20.0	U	20.0	P	10/14/2024	19:15	LB132927
	Nickel	40.0	+/-40.0	U	40.0	P	10/14/2024	19:15	LB132927
	Potassium	2000	+/-2000	U	2000	P	10/14/2024	19:15	LB132927
	Selenium	20.0	+/-20.0	U	20.0	P	10/14/2024	19:15	LB132927
	Silver	1.22	+/-10.0	J	10.0	P	10/14/2024	19:15	LB132927
	Sodium	2000	+/-2000	U	2000	P	10/14/2024	19:15	LB132927
	Thallium	40.0	+/-40.0	U	40.0	P	10/14/2024	19:15	LB132927
	Vanadium	40.0	+/-40.0	U	40.0	P	10/14/2024	19:15	LB132927
	Zinc	40.0	+/-40.0	U	40.0	P	10/14/2024	19:15	LB132927

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Roman E&G Corp</u>		SDG No.: <u>P4258</u>							
Contract: <u>ROMA02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4258</u>	SAS No.: <u>P4258</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	10/15/2024	11:41	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	11:41	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	11:41	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	11:41	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	11:41	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	11:41	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	11:41	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	11:41	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	11:41	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	11:41	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

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	10/15/2024	12:30	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	12:30	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	12:30	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	12:30	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	12:30	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	12:30	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	12:30	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	12:30	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	12:30	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	12:30	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
CCB02	Aluminum	100	+/-100	U	100	P	10/15/2024	13:27	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	13:27	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	13:27	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	13:27	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	13:27	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	13:27	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	13:27	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	13:27	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	13:27	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp		SDG No.: P4258							
Contract: ROMA02	Lab Code: CHEM	Case No.: P4258	SAS No.: P4258						
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	10/15/2024	13:27	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
CCB03	Aluminum	100	+/-100	U	100	P	10/15/2024	14:11	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	14:11	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	14:11	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:11	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:11	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	14:11	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	14:11	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	14:11	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	14:11	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	14:11	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
CCB04	Aluminum	100	+/-100	U	100	P	10/15/2024	14:39	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	14:39	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	14:39	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:39	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:39	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	14:39	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	14:39	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	14:39	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	14:39	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	14:39	LB132951

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp		SDG No.: P4258							
Contract: ROMA02	Lab Code: CHEM	Case No.: P4258	SAS No.: P4258						
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	10/15/2024	14:39	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	14:39	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	14:39	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	14:39	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
CCB05	Aluminum	100	+/-100	U	100	P	10/15/2024	15:30	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	15:30	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	15:30	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	15:30	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	15:30	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	15:30	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	15:30	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	15:30	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	15:30	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	15:30	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
CCB06	Aluminum	100	+/-100	U	100	P	10/15/2024	16:21	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	16:21	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	16:21	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	16:21	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	16:21	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp		SDG No.: P4258							
Contract: ROMA02	Lab Code: CHEM	Case No.: P4258	SAS No.: P4258						
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	10/15/2024	16:21	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	16:21	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	16:21	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	16:21	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	16:21	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
CCB07	Aluminum	100	+/-100	U	100	P	10/15/2024	17:18	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	17:18	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	17:18	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:18	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:18	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	17:18	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	17:18	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	17:18	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	17:18	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	17:18	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
CCB08	Aluminum	100	+/-100	U	100	P	10/15/2024	17:53	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	17:53	LB132951

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Roman E&G Corp</u>		SDG No.: <u>P4258</u>							
Contract: <u>ROMA02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4258</u>	SAS No.: <u>P4258</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	17:53	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:53	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:53	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	17:53	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	17:53	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	17:53	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	17:53	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	17:53	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Roman E&G Corp</u>		SDG No.: <u>P4258</u>							
Contract: <u>ROMA02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4258</u>	SAS No.: <u>P4258</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	10/18/2024	13:23	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	13:23	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	13:23	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	13:23	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	13:23	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	13:23	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	13:23	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	13:23	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	13:23	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	13:23	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp SDG No.: P4258
Contract: ROMA02 Lab Code: CHEM Case No.: P4258 SAS No.: P4258

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	10/18/2024	14:05	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	14:05	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	14:05	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	14:05	LB133014
	Cadmium	0.48	+/-6.00	J	6.00	P	10/18/2024	14:05	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	14:05	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	14:05	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	14:05	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	14:05	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	14:05	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
CCB02	Aluminum	100	+/-100	U	100	P	10/18/2024	14:57	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	14:57	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	14:57	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	14:57	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	14:57	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	14:57	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	14:57	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	14:57	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	14:57	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp		SDG No.: P4258							
Contract: ROMA02	Lab Code: CHEM	Case No.: P4258	SAS No.: P4258						
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	10/18/2024	14:57	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
CCB03	Aluminum	100	+/-100	U	100	P	10/18/2024	16:39	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	16:39	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	16:39	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	16:39	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	16:39	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	16:39	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	16:39	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	16:39	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	16:39	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	16:39	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
CCB04	Aluminum	100	+/-100	U	100	P	10/18/2024	17:32	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	17:32	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	17:32	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	17:32	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	17:32	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	17:32	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	17:32	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	17:32	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	17:32	LB133014

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Roman E&G Corp</u>		SDG No.: <u>P4258</u>							
Contract: <u>ROMA02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4258</u>	SAS No.: <u>P4258</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	17:32	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Roman E&G Corp

SDG No.: P4258

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164114BL		SOLID		Batch Number:	PB164114		Prep Date:	10/11/2024	
	Mercury	0.013	<0.013	U	0.013	CV	10/14/2024	11:54	LB132914

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Roman E&G Corp

SDG No.: P4258

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164065BL	SOLID			Batch Number:	PB164065		Prep Date:	10/11/2024	
	Aluminum	4.07	<4.07	U	4.07	P	10/15/2024	14:26	LB132951
	Antimony	2.03	<2.03	U	2.03	P	10/15/2024	14:26	LB132951
	Arsenic	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Barium	4.07	<4.07	U	4.07	P	10/15/2024	14:26	LB132951
	Beryllium	0.24	<0.24	U	0.24	P	10/15/2024	14:26	LB132951
	Cadmium	0.24	<0.24	U	0.24	P	10/15/2024	14:26	LB132951
	Calcium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Chromium	0.41	<0.41	U	0.41	P	10/15/2024	14:26	LB132951
	Cobalt	1.22	<1.22	U	1.22	P	10/15/2024	14:26	LB132951
	Copper	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Iron	4.07	<4.07	U	4.07	P	10/15/2024	14:26	LB132951
	Lead	0.49	<0.49	U	0.49	P	10/15/2024	14:26	LB132951
	Magnesium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Manganese	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Nickel	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951
	Potassium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Selenium	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Silver	0.41	<0.41	U	0.41	P	10/15/2024	14:26	LB132951
	Sodium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Thallium	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951
	Vanadium	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951
	Zinc	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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	261000	255000	102	216000	294000	10/14/2024	14:32	LB132927
	Antimony	-1.78			-50	50	10/14/2024	14:32	LB132927
	Arsenic	1.32			-20	20	10/14/2024	14:32	LB132927
	Barium	2.96	6.0	49	-94	106	10/14/2024	14:32	LB132927
	Beryllium	2.85			-6	6	10/14/2024	14:32	LB132927
	Cadmium	6.10	1.0	610	-5	7	10/14/2024	14:32	LB132927
	Calcium	239000	245000	98	208000	282000	10/14/2024	14:32	LB132927
	Chromium	60.0	52.0	115	42	62	10/14/2024	14:32	LB132927
	Cobalt	2.02			-30	30	10/14/2024	14:32	LB132927
	Copper	20.9	2.0	1045	-18	22	10/14/2024	14:32	LB132927
	Iron	98800	101000	98	85600	116500	10/14/2024	14:32	LB132927
	Lead	9.31			-12	12	10/14/2024	14:32	LB132927
	Magnesium	262000	255000	103	216000	294000	10/14/2024	14:32	LB132927
	Manganese	-4.64	7.0	66	-13	27	10/14/2024	14:32	LB132927
	Nickel	3.34	2.0	167	-38	42	10/14/2024	14:32	LB132927
	Potassium	97.7			0	0	10/14/2024	14:32	LB132927
	Selenium	-19.4			-20	20	10/14/2024	14:32	LB132927
	Silver	-4.61			-10	10	10/14/2024	14:32	LB132927
	Sodium	-75.8			0	0	10/14/2024	14:32	LB132927
	Thallium	-2.29			-40	40	10/14/2024	14:32	LB132927
	Vanadium	9.92			-40	40	10/14/2024	14:32	LB132927
	Zinc	4.46			-40	40	10/14/2024	14:32	LB132927
ICSAB01	Aluminum	255000	247000	103	209000	285000	10/14/2024	14:39	LB132927
	Antimony	631	618	102	525	711	10/14/2024	14:39	LB132927
	Arsenic	97.9	104	94	88.4	120	10/14/2024	14:39	LB132927
	Barium	467	537	87	437	637	10/14/2024	14:39	LB132927
	Beryllium	482	495	97	420	570	10/14/2024	14:39	LB132927
	Cadmium	947	972	97	826	1120	10/14/2024	14:39	LB132927
	Calcium	233000	235000	99	199000	271000	10/14/2024	14:39	LB132927
	Chromium	577	542	106	460	624	10/14/2024	14:39	LB132927
	Cobalt	506	476	106	404	548	10/14/2024	14:39	LB132927
	Copper	512	511	100	434	588	10/14/2024	14:39	LB132927
	Iron	97800	99300	98	84400	114500	10/14/2024	14:39	LB132927
	Lead	57.1	49.0	116	37	61	10/14/2024	14:39	LB132927
	Magnesium	255000	248000	103	210000	286000	10/14/2024	14:39	LB132927
	Manganese	449	507	89	430	584	10/14/2024	14:39	LB132927
	Nickel	996	954	104	810	1100	10/14/2024	14:39	LB132927
	Potassium	-0.98			0	0	10/14/2024	14:39	LB132927
	Selenium	29.7	46.0	65	26	66	10/14/2024	14:39	LB132927
	Silver	217	201	108	170	232	10/14/2024	14:39	LB132927
	Sodium	-113			0	0	10/14/2024	14:39	LB132927
	Thallium	75.6	108	70	68	148	10/14/2024	14:39	LB132927

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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	492	491	100	417	565	10/14/2024	14:39	LB132927
	Zinc	1080	952	113	809	1095	10/14/2024	14:39	LB132927
ICSA01	Aluminum	259000	255000	102	216000	294000	10/15/2024	11:50	LB132951
	Antimony	-1.26			-50	50	10/15/2024	11:50	LB132951
	Arsenic	-0.034			-20	20	10/15/2024	11:50	LB132951
	Barium	0.90	6.0	15	-94	106	10/15/2024	11:50	LB132951
	Beryllium	2.49			-6	6	10/15/2024	11:50	LB132951
	Cadmium	5.13	1.0	513	-5	7	10/15/2024	11:50	LB132951
	Calcium	238000	245000	97	208000	282000	10/15/2024	11:50	LB132951
	Chromium	56.7	52.0	109	42	62	10/15/2024	11:50	LB132951
	Cobalt	1.87			-30	30	10/15/2024	11:50	LB132951
	Copper	11.6	2.0	580	-18	22	10/15/2024	11:50	LB132951
	Iron	101000	101000	100	85600	116500	10/15/2024	11:50	LB132951
	Lead	11.6			-12	12	10/15/2024	11:50	LB132951
	Magnesium	260000	255000	102	216000	294000	10/15/2024	11:50	LB132951
	Manganese	-2.55	7.0	36	-13	27	10/15/2024	11:50	LB132951
	Nickel	2.53	2.0	126	-38	42	10/15/2024	11:50	LB132951
	Potassium	-7.55			0	0	10/15/2024	11:50	LB132951
	Selenium	-13.4			-20	20	10/15/2024	11:50	LB132951
	Silver	-6.93			-10	10	10/15/2024	11:50	LB132951
	Sodium	29.1			0	0	10/15/2024	11:50	LB132951
	Thallium	15.8			-40	40	10/15/2024	11:50	LB132951
	Vanadium	8.62			-40	40	10/15/2024	11:50	LB132951
	Zinc	4.25			-40	40	10/15/2024	11:50	LB132951
ICSAB01	Aluminum	262000	247000	106	209000	285000	10/15/2024	12:03	LB132951
	Antimony	629	618	102	525	711	10/15/2024	12:03	LB132951
	Arsenic	108	104	104	88.4	120	10/15/2024	12:03	LB132951
	Barium	534	537	99	437	637	10/15/2024	12:03	LB132951
	Beryllium	512	495	103	420	570	10/15/2024	12:03	LB132951
	Cadmium	970	972	100	826	1120	10/15/2024	12:03	LB132951
	Calcium	244000	235000	104	199000	271000	10/15/2024	12:03	LB132951
	Chromium	586	542	108	460	624	10/15/2024	12:03	LB132951
	Cobalt	518	476	109	404	548	10/15/2024	12:03	LB132951
	Copper	509	511	100	434	588	10/15/2024	12:03	LB132951
	Iron	105000	99300	106	84400	114500	10/15/2024	12:03	LB132951
	Lead	58.4	49.0	119	37	61	10/15/2024	12:03	LB132951
	Magnesium	262000	248000	106	210000	286000	10/15/2024	12:03	LB132951
	Manganese	505	507	100	430	584	10/15/2024	12:03	LB132951
	Nickel	1020	954	107	810	1100	10/15/2024	12:03	LB132951
	Potassium	-70.4			0	0	10/15/2024	12:03	LB132951
	Selenium	33.2	46.0	72	26	66	10/15/2024	12:03	LB132951
	Silver	224	201	111	170	232	10/15/2024	12:03	LB132951

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client:	Roman E&G Corp	SDG No.:	P4258
Contract:	ROMA02	Lab Code:	CHEM
ICS Source:	EPA	Case No.:	P4258
		SAS No.:	P4258
		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	Sodium	38.9			0	0	10/15/2024	12:03	LB132951
	Thallium	93.9	108	87	68	148	10/15/2024	12:03	LB132951
	Vanadium	515	491	105	417	565	10/15/2024	12:03	LB132951
	Zinc	905	952	95	809	1095	10/15/2024	12:03	LB132951
ICSA01	Aluminum	237000	255000	93	216000	294000	10/18/2024	13:32	LB133014
	Antimony	-1.32			-50	50	10/18/2024	13:32	LB133014
	Arsenic	-4.50			-20	20	10/18/2024	13:32	LB133014
	Barium	2.49	6.0	42	-94	106	10/18/2024	13:32	LB133014
	Beryllium	1.11			-6	6	10/18/2024	13:32	LB133014
	Cadmium	6.89	1.0	689	-5	7	10/18/2024	13:32	LB133014
	Calcium	226000	245000	92	208000	282000	10/18/2024	13:32	LB133014
	Chromium	55.6	52.0	107	42	62	10/18/2024	13:32	LB133014
	Cobalt	1.25			-30	30	10/18/2024	13:32	LB133014
	Copper	-8.46	2.0	423	-18	22	10/18/2024	13:32	LB133014
	Iron	98700	101000	98	85600	116500	10/18/2024	13:32	LB133014
	Lead	6.37			-12	12	10/18/2024	13:32	LB133014
	Magnesium	246000	255000	96	216000	294000	10/18/2024	13:32	LB133014
	Manganese	5.78	7.0	83	-13	27	10/18/2024	13:32	LB133014
	Nickel	2.27	2.0	114	-38	42	10/18/2024	13:32	LB133014
	Potassium	-34.9			0	0	10/18/2024	13:32	LB133014
	Selenium	-14.0			-20	20	10/18/2024	13:32	LB133014
	Silver	3.92			-10	10	10/18/2024	13:32	LB133014
	Sodium	20.9			0	0	10/18/2024	13:32	LB133014
	Thallium	5.51			-40	40	10/18/2024	13:32	LB133014
	Vanadium	5.78			-40	40	10/18/2024	13:32	LB133014
	Zinc	3.80			-40	40	10/18/2024	13:32	LB133014
ICSAB01	Aluminum	240000	247000	97	209000	285000	10/18/2024	13:56	LB133014
	Antimony	622	618	101	525	711	10/18/2024	13:56	LB133014
	Arsenic	107	104	103	88.4	120	10/18/2024	13:56	LB133014
	Barium	482	537	90	437	637	10/18/2024	13:56	LB133014
	Beryllium	490	495	99	420	570	10/18/2024	13:56	LB133014
	Cadmium	1010	972	104	826	1120	10/18/2024	13:56	LB133014
	Calcium	229000	235000	97	199000	271000	10/18/2024	13:56	LB133014
	Chromium	573	542	106	460	624	10/18/2024	13:56	LB133014
	Cobalt	516	476	108	404	548	10/18/2024	13:56	LB133014
	Copper	484	511	95	434	588	10/18/2024	13:56	LB133014
	Iron	101000	99300	102	84400	114500	10/18/2024	13:56	LB133014
	Lead	55.1	49.0	112	37	61	10/18/2024	13:56	LB133014
	Magnesium	250000	248000	101	210000	286000	10/18/2024	13:56	LB133014
	Manganese	481	507	95	430	584	10/18/2024	13:56	LB133014
	Nickel	1020	954	107	810	1100	10/18/2024	13:56	LB133014
	Potassium	-21.9			0	0	10/18/2024	13:56	LB133014

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
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	37.2	46.0	81	26	66	10/18/2024	13:56	LB133014
	Silver	229	201	114	170	232	10/18/2024	13:56	LB133014
	Sodium	29.5			0	0	10/18/2024	13:56	LB133014
	Thallium	97.0	108	90	68	148	10/18/2024	13:56	LB133014
	Vanadium	472	491	96	417	565	10/18/2024	13:56	LB133014
	Zinc	1080	952	113	809	1095	10/18/2024	13:56	LB133014



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Roman E&G Corp **level:** low **sdg no.:** P4258
contract: ROMA02 **lab code:** CHEM **case no.:** P4258 **sas no.:** P4258
matrix: Solid **sample id:** P4364-16 **client id:** SB-08-0.167-0.667MS
Percent Solids for Sample: 93.3 **Spiked ID:** P4364-16MS **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.50		0.24		0.25	105		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Roman E&G Corp</u>	level:	<u>low</u>	sdg no.:	<u>P4258</u>		
contract:	<u>ROMA02</u>	lab code:	<u>CHEM</u>	case no.:	<u>P4258</u>	sas no.:	<u>P4258</u>
matrix:	<u>Solid</u>	sample id:	<u>P4364-16</u>	client id:	<u>SB-08-0.167-0.667MSD</u>		
Percent Solids for Sample:	93.3	Spiked ID:	<u>P4364-16MSD</u>	Percent Solids for Spike Sample:	93.3		

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.50		0.24		0.27	99		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Roman E&G Corp **level:** low **sdg no.:** P4258
contract: ROMA02 **lab code:** CHEM **case no.:** P4258 **sas no.:** P4258
matrix: Solid **sample id:** P4385-20 **client id:** SP-10MS
Percent Solids for Sample: 94.4 **Spiked ID:** P4385-20MS **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11600		10800		100	811		P
Antimony	mg/Kg	75 - 125	29.2		2.36	U	40.2	73	N	P
Arsenic	mg/Kg	75 - 125	34.5		4.41		40.2	75		P
Barium	mg/Kg	75 - 125	62.5		51.1		10.0	114		P
Beryllium	mg/Kg	75 - 125	8.48		0.59		10.0	79		P
Cadmium	mg/Kg	75 - 125	11.7		1.90		10.0	98		P
Calcium	mg/Kg	75 - 125	1350		1220		50.2	248		P
Chromium	mg/Kg	75 - 125	35.6		19.0		20.1	83		P
Cobalt	mg/Kg	75 - 125	19.0		8.50		10.0	105		P
Copper	mg/Kg	75 - 125	24.1		13.7		15.1	69	N	P
Iron	mg/Kg	75 - 125	11600		11300		150	208		P
Lead	mg/Kg	75 - 125	49.0		11.2		50.2	75		P
Magnesium	mg/Kg	75 - 125	1150		1000		100	146		P
Manganese	mg/Kg	75 - 125	168		149		10.0	193		P
Nickel	mg/Kg	75 - 125	26.5		6.97		25.1	78		P
Potassium	mg/Kg	75 - 125	667		401		500	53	N	P
Selenium	mg/Kg	75 - 125	68.1		0.95	U	100	68	N	P
Silver	mg/Kg	75 - 125	3.05		0.47	U	3.8	80		P
Sodium	mg/Kg	75 - 125	160		48.5	J	150	75		P
Thallium	mg/Kg	75 - 125	92.7		1.89	U	100	93		P
Vanadium	mg/Kg	75 - 125	35.9		23.4		15.1	83		P
Zinc	mg/Kg	75 - 125	27.2		18.6		10.0	86		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Roman E&G Corp</u>	level:	<u>low</u>	sdg no.:	<u>P4258</u>
contract:	<u>ROMA02</u>	lab code:	<u>CHEM</u>	case no.:	<u>P4258</u>
matrix:	<u>Solid</u>	sample id:	<u>P4385-20</u>	client id:	<u>SP-10MSD</u>
Percent Solids for Sample:	94.4	Spiked ID:	P4385-20MSD	Percent Solids for Spike Sample:	94.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	10600		10800		91.7	-151		P
Antimony	mg/Kg	75 - 125	27.7		2.36	U	36.7	76		P
Arsenic	mg/Kg	75 - 125	32.2		4.41		36.7	76		P
Barium	mg/Kg	75 - 125	57.5		51.1		9.2	70		P
Beryllium	mg/Kg	75 - 125	7.81		0.59		9.2	78		P
Cadmium	mg/Kg	75 - 125	11.0		1.90		9.2	98		P
Calcium	mg/Kg	75 - 125	1240		1220		45.9	41		P
Chromium	mg/Kg	75 - 125	33.1		19.0		18.3	77		P
Cobalt	mg/Kg	75 - 125	17.7		8.50		9.2	100		P
Copper	mg/Kg	75 - 125	22.4		13.7		13.8	63	N	P
Iron	mg/Kg	75 - 125	10700		11300		140	-449		P
Lead	mg/Kg	75 - 125	45.6		11.2		45.9	75		P
Magnesium	mg/Kg	75 - 125	1060		1000		91.7	61		P
Manganese	mg/Kg	75 - 125	154		149		9.2	55		P
Nickel	mg/Kg	75 - 125	24.7		6.97		22.9	77		P
Potassium	mg/Kg	75 - 125	621		401		460	48	N	P
Selenium	mg/Kg	75 - 125	64.3		0.95	U	91.7	70	N	P
Silver	mg/Kg	75 - 125	2.80		0.47	U	3.4	82		P
Sodium	mg/Kg	75 - 125	148		48.5	J	140	71	N	P
Thallium	mg/Kg	75 - 125	86.2		1.89	U	91.7	94		P
Vanadium	mg/Kg	75 - 125	33.3		23.4		13.8	71	N	P
Zinc	mg/Kg	75 - 125	25.0		18.6		9.2	70	N	P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Matrix: Solid **Level:** LOW **Client ID:** SP-10A
Sample ID: P4385-20 **Spiked ID:** P4385-20A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	28.1		2.36	U	37.8	74		P
Copper	mg/Kg	75 - 125	22.6		13.7		14.2	62		P
Potassium	mg/Kg	75 - 125	637		401		470	50		P
Selenium	mg/Kg	75 - 125	65.5		0.95	U	94.6	69		P
Sodium	mg/Kg	75 - 125	151		48.5	J	140	73		P
Vanadium	mg/Kg	75 - 125	33.9		23.4		14.2	74		P
Zinc	mg/Kg	75 - 125	25.8		18.6		9.50	76		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Roman E&G Corp</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4258</u>
Contract:	<u>ROMA02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4258</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P4364-16</u>	Client ID:	<u>SB-08-0.167-0.667DUP</u>
Percent Solids for Sample:	93.3	Duplicate ID	P4364-16DUP	Percent Solids for Spike Sample:	93.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.24		0.25		5		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Roman E&G Corp **Level:** LOW **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Matrix: Solid **Sample ID:** P4364-16MS **Client ID:** SB-08-0.167-0.667MSD
Percent Solids for Sample: 93.3 **Duplicate ID** P4364-16MSD **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.50		0.50		1		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Roman E&G Corp **Level:** LOW **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Matrix: Solid **Sample ID:** P4385-20 **Client ID:** SP-10DUP
Percent Solids for Sample: 94.4 **Duplicate ID** P4385-20DUP **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	10800		10500		3		P
Antimony	mg/Kg	20	2.36	U	2.29	U			P
Arsenic	mg/Kg	20	4.41		4.20		5		P
Barium	mg/Kg	20	51.1		48.4		5		P
Beryllium	mg/Kg	20	0.59		0.57		2		P
Cadmium	mg/Kg	20	1.90		1.85		3		P
Calcium	mg/Kg	20	1220		1170		4		P
Chromium	mg/Kg	20	19.0		18.1		5		P
Cobalt	mg/Kg	20	8.50		8.16		4		P
Copper	mg/Kg	20	13.7		13.6		1		P
Iron	mg/Kg	20	11300		10500		7		P
Lead	mg/Kg	20	11.2		10.8		4		P
Magnesium	mg/Kg	20	1000		970		3		P
Manganese	mg/Kg	20	149		142		5		P
Nickel	mg/Kg	20	6.97		6.78		3		P
Potassium	mg/Kg	20	401		373		7		P
Selenium	mg/Kg	20	0.95	U	0.92	U			P
Silver	mg/Kg	20	0.47	U	0.46	U			P
Sodium	mg/Kg	20	48.5	J	45.4	J	7		P
Thallium	mg/Kg	20	1.89	U	1.83	U			P
Vanadium	mg/Kg	20	23.4		22.4		4		P
Zinc	mg/Kg	20	18.6		17.6		6		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Roman E&G Corp **Level:** LOW **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Matrix: Solid **Sample ID:** P4385-20MS **Client ID:** SP-10MSD
Percent Solids for Sample: 94.4 **Duplicate ID** P4385-20MSD **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	11600		10600		9		P
Antimony	mg/Kg	20	29.2		27.7		5		P
Arsenic	mg/Kg	20	34.5		32.2		7		P
Barium	mg/Kg	20	62.5		57.5		8		P
Beryllium	mg/Kg	20	8.48		7.81		8		P
Cadmium	mg/Kg	20	11.7		11.0		7		P
Calcium	mg/Kg	20	1350		1240		8		P
Chromium	mg/Kg	20	35.6		33.1		7		P
Cobalt	mg/Kg	20	19.0		17.7		7		P
Copper	mg/Kg	20	24.1		22.4		7		P
Iron	mg/Kg	20	11600		10700		8		P
Lead	mg/Kg	20	49.0		45.6		7		P
Magnesium	mg/Kg	20	1150		1060		8		P
Manganese	mg/Kg	20	168		154		9		P
Nickel	mg/Kg	20	26.5		24.7		7		P
Potassium	mg/Kg	20	667		621		7		P
Selenium	mg/Kg	20	68.1		64.3		6		P
Silver	mg/Kg	20	3.05		2.80		9		P
Sodium	mg/Kg	20	160		148		8		P
Thallium	mg/Kg	20	92.7		86.2		7		P
Vanadium	mg/Kg	20	35.9		33.3		8		P
Zinc	mg/Kg	20	27.2		25.0		8		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164065BS							
Aluminum	mg/Kg	81.3	79.9		98	80 - 120	P
Antimony	mg/Kg	32.5	31.7		98	80 - 120	P
Arsenic	mg/Kg	32.5	29.3		90	80 - 120	P
Barium	mg/Kg	8.1	7.50		93	80 - 120	P
Beryllium	mg/Kg	8.1	7.89		97	80 - 120	P
Cadmium	mg/Kg	8.1	7.19		89	80 - 120	P
Calcium	mg/Kg	40.7	40.1	J	98	80 - 120	P
Chromium	mg/Kg	16.3	16.0		98	80 - 120	P
Cobalt	mg/Kg	8.1	7.71		95	80 - 120	P
Copper	mg/Kg	12.2	12.3		101	80 - 120	P
Iron	mg/Kg	120	114		95	80 - 120	P
Lead	mg/Kg	40.7	36.3		89	80 - 120	P
Magnesium	mg/Kg	81.3	77.4	J	95	80 - 120	P
Manganese	mg/Kg	8.1	7.86		97	80 - 120	P
Nickel	mg/Kg	20.3	19.3		95	80 - 120	P
Potassium	mg/Kg	410	377		92	80 - 120	P
Selenium	mg/Kg	81.3	74.3		91	80 - 120	P
Silver	mg/Kg	3.0	3.07		102	80 - 120	P
Sodium	mg/Kg	120	110		92	80 - 120	P
Thallium	mg/Kg	81.3	75.9		93	80 - 120	P
Vanadium	mg/Kg	12.2	11.8		97	80 - 120	P
Zinc	mg/Kg	8.1	8.36		103	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164114BS Mercury	mg/Kg	0.27	0.26		97	80 - 120	CV

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

SB-08-0.167-0.667L

Lab Name: Chemtech Consulting Group

Contract: ROMA02

Lab Code: CHEM

Lb No.: lb132914

Lab Sample ID : P4364-16L

SDG No.: P4258

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.24	0.27	13		CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

SP-10L

Lab Name: Chemtech Consulting Group

Contract: ROMA02

Lab Code: CHEM Lb No.: lb133014 Lab Sample ID : P4385-20L SDG No.: P4258

Matrix (soil/water): Solid Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
	C		C				
Aluminum	10800		12700		18		P
Antimony	2.36	U	11.8	U			P
Arsenic	4.41		4.37	J	1		P
Barium	51.1		60.4		18		P
Beryllium	0.59		0.75	J	28		P
Cadmium	1.90		1.40	J	26		P
Calcium	1220		1480		22		P
Chromium	19.0		22.3		17		P
Cobalt	8.50		8.34		2		P
Copper	13.7		18.2		32		P
Iron	11300		12900		14		P
Lead	11.2		11.7		4		P
Magnesium	1000		1210		21		P
Manganese	149		184		24		P
Nickel	6.97		6.89	J	1		P
Potassium	401		446	J	11		P
Selenium	0.95	U	4.73	U			P
Silver	0.47	U	2.36	U			P
Sodium	48.5	J	473	U	100.0		P
Thallium	1.89	U	9.46	U			P
Vanadium	23.4		27.8		19		P
Zinc	18.6		21.3		15		P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

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

- 13 -

SAMPLE PREPARATION SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Method:** _____
Case No.: P4258 **SAS No.:** P4258

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164065							
P4258-03	Chamberlain Ave	SAM	SOLID	10/11/2024	2.14	100.0	86.00
P4385-20DUP	SP-10DUP	DUP	SOLID	10/11/2024	2.31	100.0	94.40
P4385-20MS	SP-10MS	MS	SOLID	10/11/2024	2.11	100.0	94.40
P4385-20MSD	SP-10MSD	MSD	SOLID	10/11/2024	2.31	100.0	94.40
PB164065BL	PB164065BL	MB	SOLID	10/11/2024	2.46	100.0	100.00
PB164065BS	PB164065BS	LCS	SOLID	10/11/2024	2.46	100.0	100.00

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Method:** _____
Case No.: P4258 **SAS No.:** P4258

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164114							
P4258-03	Chamberlain Ave	SAM	SOLID	10/11/2024	0.54	35.0	86.00
P4364-16DUP	SB-08-0.167-0.667DUP	DUP	SOLID	10/11/2024	0.56	35.0	93.30
P4364-16MS	SB-08-0.167-0.667MS	MS	SOLID	10/11/2024	0.59	35.0	93.30
P4364-16MSD	SB-08-0.167-0.667MSD	MSD	SOLID	10/11/2024	0.56	35.0	93.30
PB164114BL	PB164114BL	MB	SOLID	10/11/2024	0.54	35.0	100.00
PB164114BS	PB164114BS	LCS	SOLID	10/11/2024	0.52	35.0	100.00

metals
- 14 -
ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

Instrument id number: **Method:** **Run number:** LB132914

Start date: 10/14/2024 **End date:** 10/14/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1119	HG
S0.2	S0.2	1	1121	HG
S2.5	S2.5	1	1123	HG
S5	S5	1	1126	HG
S7.5	S7.5	1	1128	HG
S10	S10	1	1130	HG
ICV36	ICV36	1	1133	HG
ICB36	ICB36	1	1138	HG
CCV13	CCV13	1	1140	HG
CCB13	CCB13	1	1143	HG
CRA	CRA	1	1145	HG
PB164114BL	PB164114BL	1	1154	HG
PB164114BS	PB164114BS	1	1157	HG
P4258-03	Chamberlain Ave	1	1159	HG
CCV14	CCV14	1	1210	HG
CCB14	CCB14	1	1213	HG
CCV15	CCV15	1	1239	HG
CCB15	CCB15	1	1241	HG
P4364-16DUP	SB-08-0.167-0.667DUP	1	1248	HG
P4364-16MS	SB-08-0.167-0.667MS	1	1253	HG
P4364-16MSD	SB-08-0.167-0.667MSD	1	1255	HG
CCV16	CCV16	1	1309	HG
CCB16	CCB16	1	1312	HG
CCV17	CCV17	1	1337	HG
CCB17	CCB17	1	1339	HG
CCV18	CCV18	1	1404	HG
CCB18	CCB18	1	1406	HG
CCV19	CCV19	1	1431	HG
CCB19	CCB19	1	1434	HG
P4364-16L	SB-08-0.167-0.667L	5	1445	HG
CCV20	CCV20	1	1459	HG
CCB20	CCB20	1	1501	HG
CCV21	CCV21	1	1515	HG
CCB21	CCB21	1	1517	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

Instrument id number: **Method:** **Run number:** LB132927

Start date: 10/14/2024 **End date:** 10/14/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1340	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	1345	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	1349	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	1353	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	1357	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	1402	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	1406	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	1418	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	1423	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	1427	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	1432	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	1439	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	1443	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	1447	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4258-03	Chamberlain Ave	1	1505	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	1509	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	1513	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	1603	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	1607	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	1706	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	1711	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	1800	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	1804	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	1851	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	1855	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	1911	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	1915	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
- 14 -
ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

Instrument id number: **Method:** **Run number:** LB132951

Start date: 10/15/2024 **End date:** 10/15/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1042	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	1047	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	1051	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	1055	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	1059	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	1103	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	1124	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	1137	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	1141	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	1146	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	1150	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	1203	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	1226	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	1230	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164065BS	PB164065BS	1	1306	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	1323	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	1327	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	1407	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	1411	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164065BL	PB164065BL	1	1426	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	1435	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	1439	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	1526	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	1530	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	1617	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	1621	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	1714	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	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1749	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1753	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
- 14 -
ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

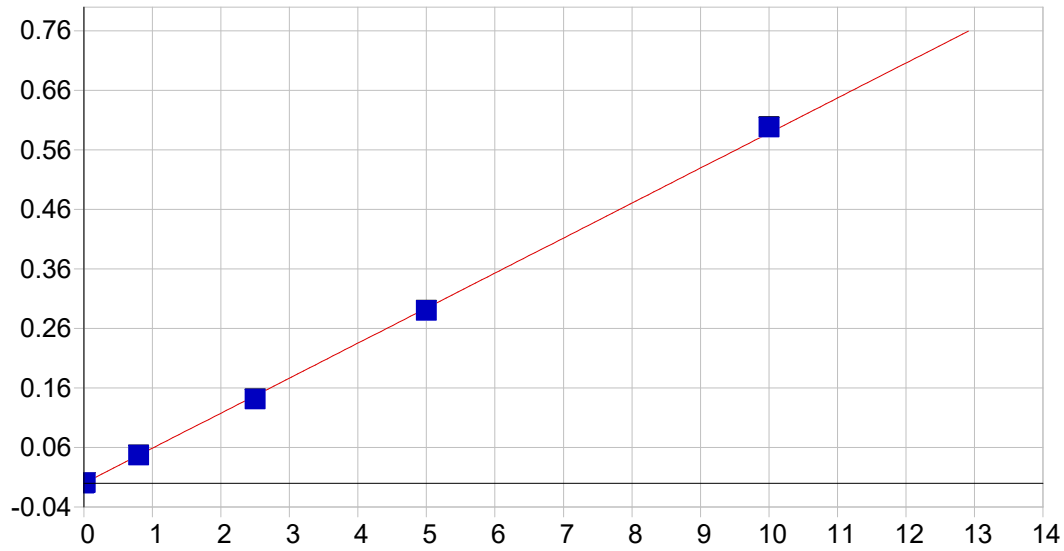
Instrument id number: **Method:** **Run number:** LB133014

Start date: 10/18/2024 **End date:** 10/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1203	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	1207	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	1212	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	1216	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	1220	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	1224	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	1308	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	1313	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	1323	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	1327	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	1332	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	1356	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	1400	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	1405	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	1453	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	1457	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20DUP	SP-10DUP	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20L	SP-10L	5	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20MS	SP-10MS	1	1524	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20MSD	SP-10MSD	1	1528	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20A	SP-10A	1	1532	Cu,K,Na,Sb,Se,V,Zn
CCV03	CCV03	1	1605	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	1639	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	1728	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	1732	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

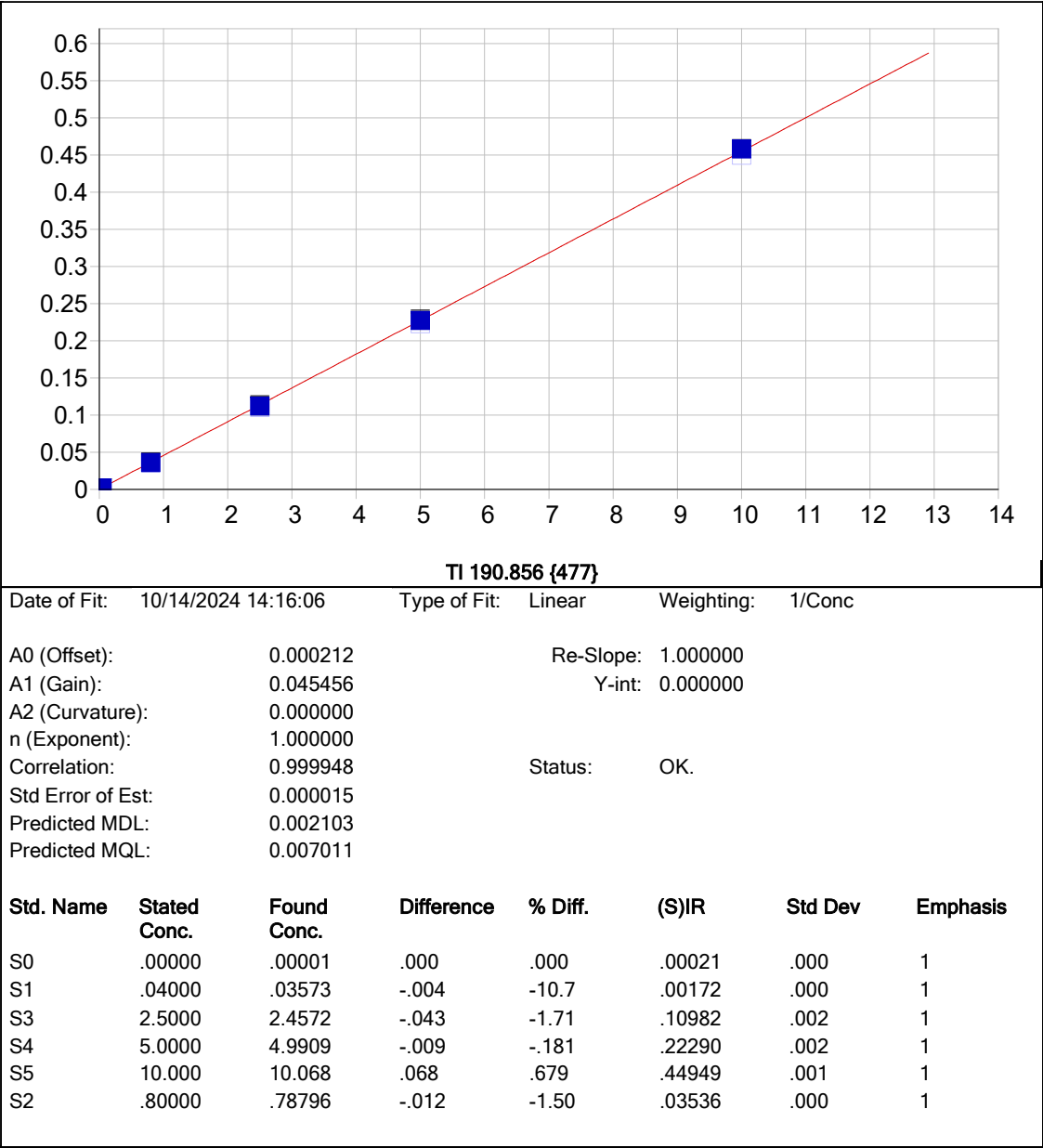


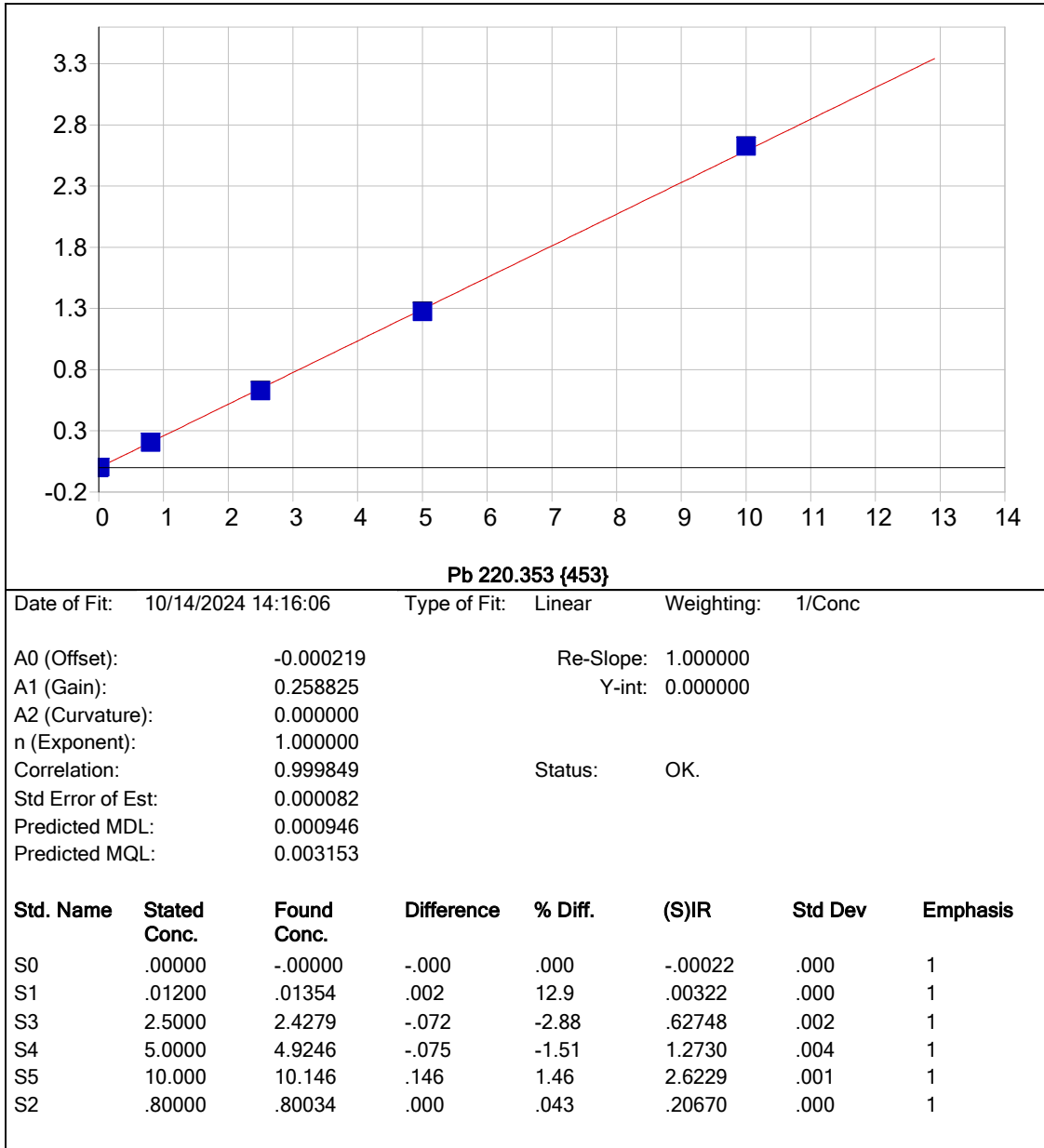
As 189.042 {479}

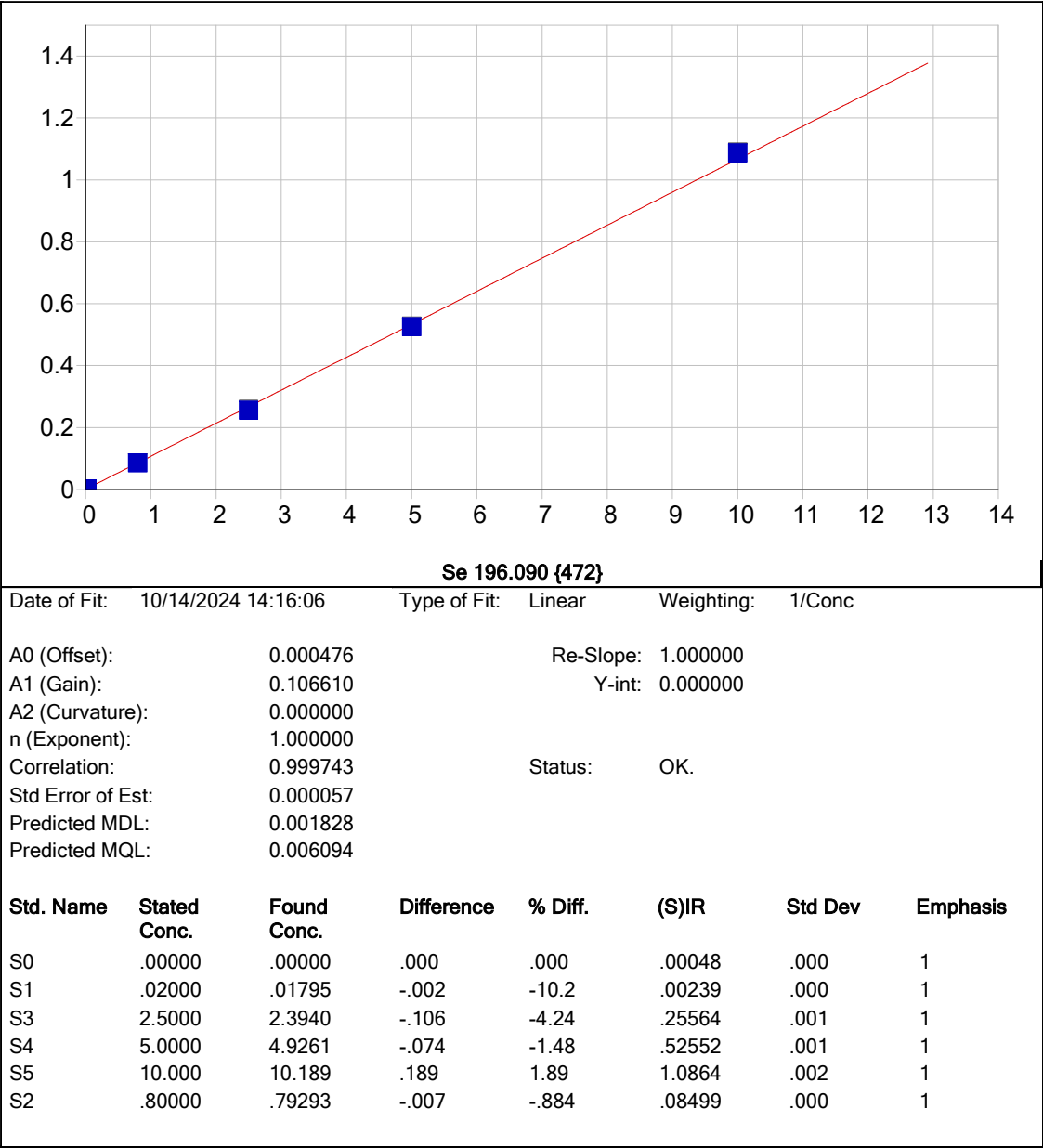
Date of Fit: 10/14/2024 14:16:06 Type of Fit: Linear Weighting: 1/Conc

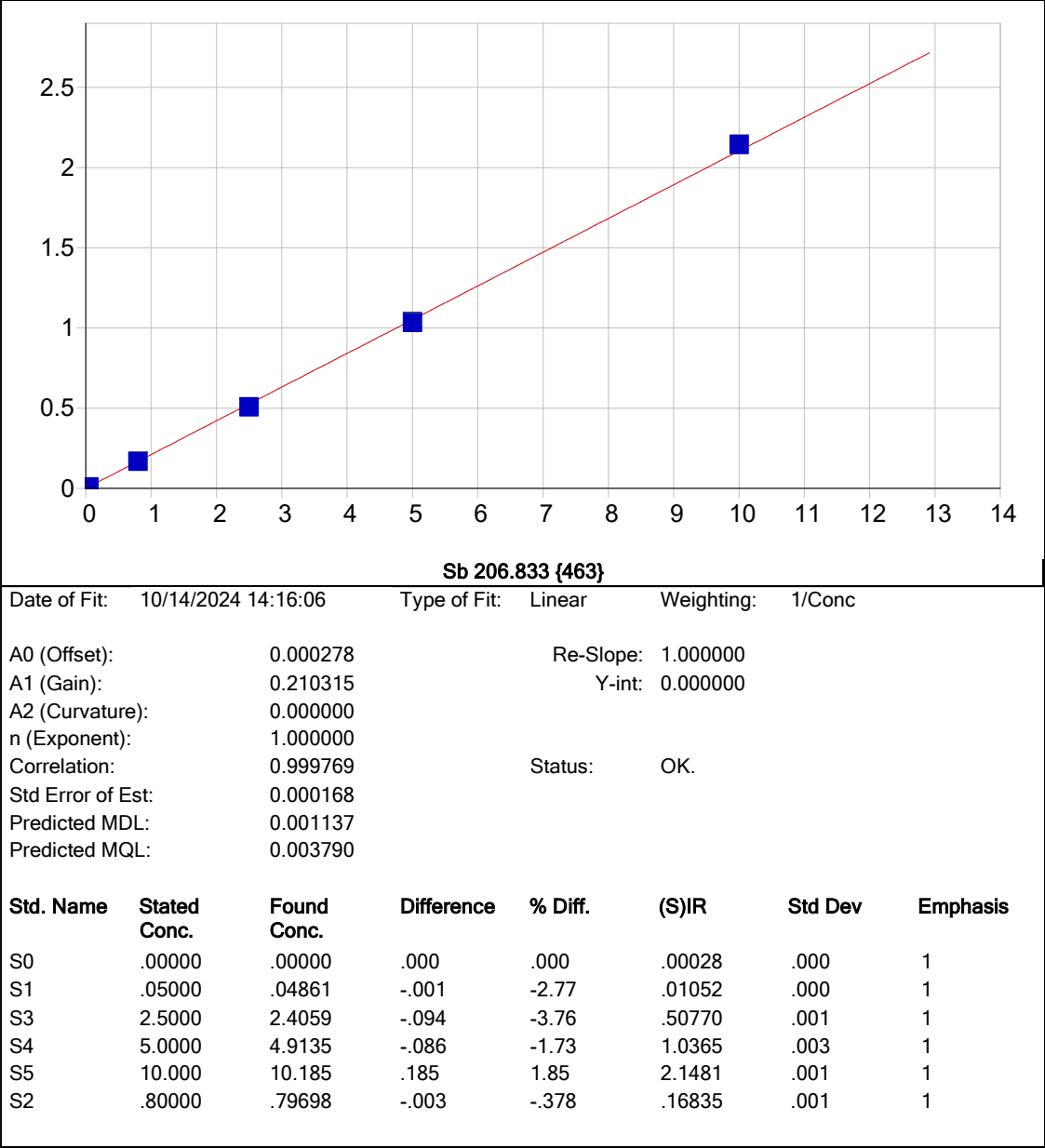
A0 (Offset): -0.000033 Re-Slope: 1.000000
A1 (Gain): 0.058843 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999776 Status: OK.
Std Error of Est: 0.000029
Predicted MDL: 0.002317
Predicted MQL: 0.007723

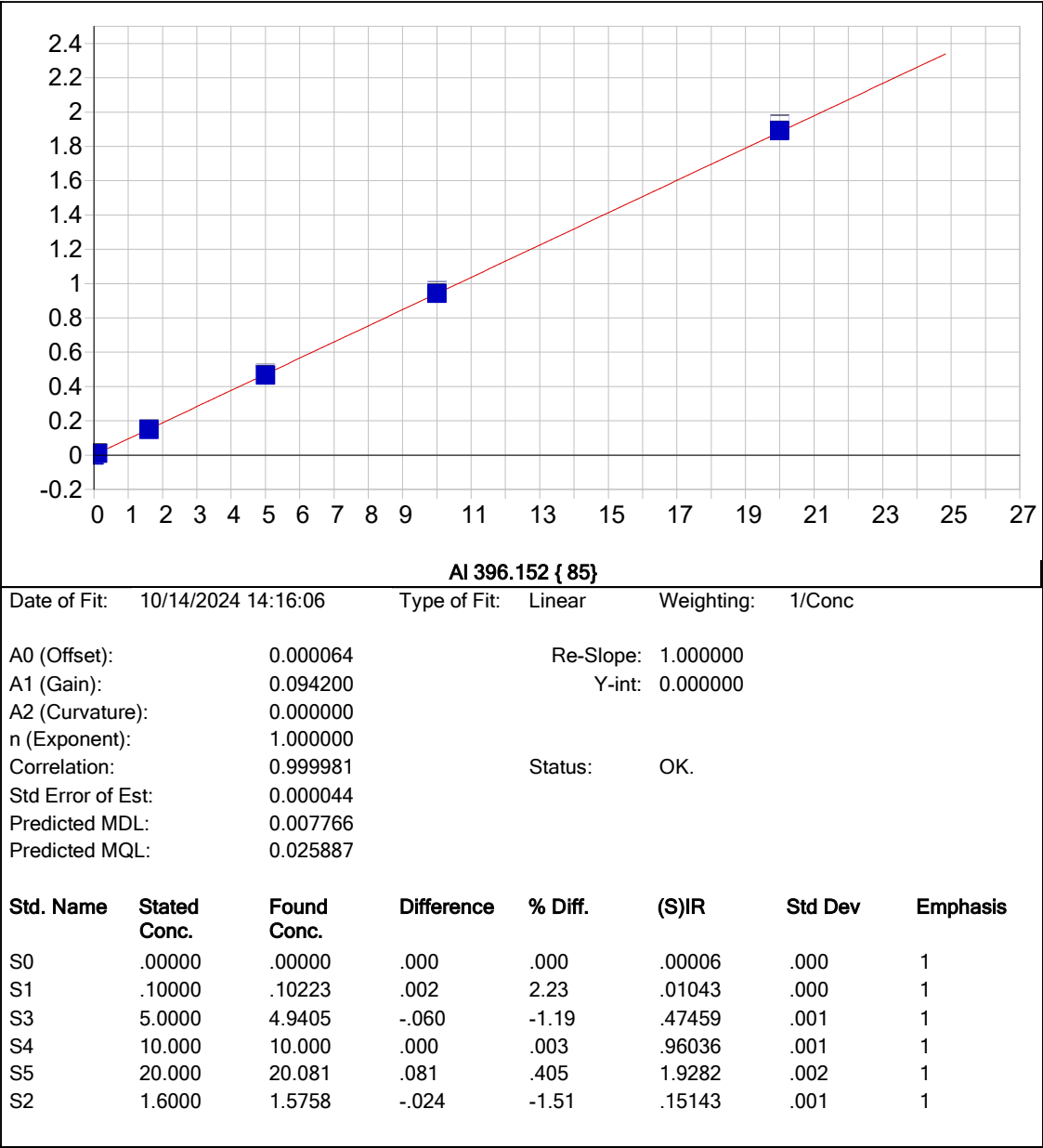
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00003	.000	1
S1	.02000	.01769	-.002	-11.6	.00100	.000	1
S3	2.5000	2.3997	-.100	-4.01	.14102	.000	1
S4	5.0000	4.9327	-.067	-1.35	.28991	.000	1
S5	10.000	10.173	.173	1.73	.59795	.000	1
S2	.80000	.79682	-.003	-.398	.04680	.000	1

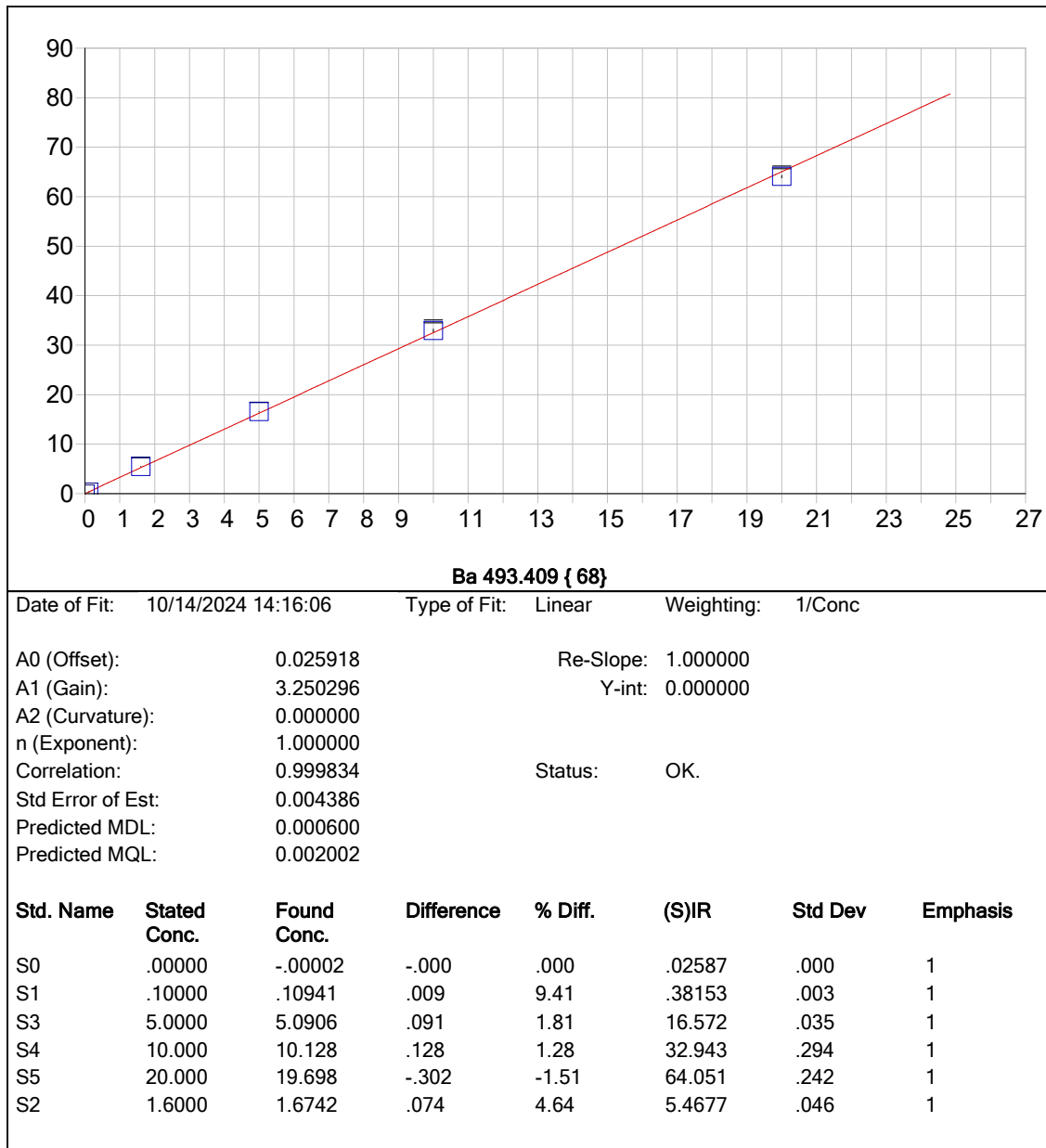


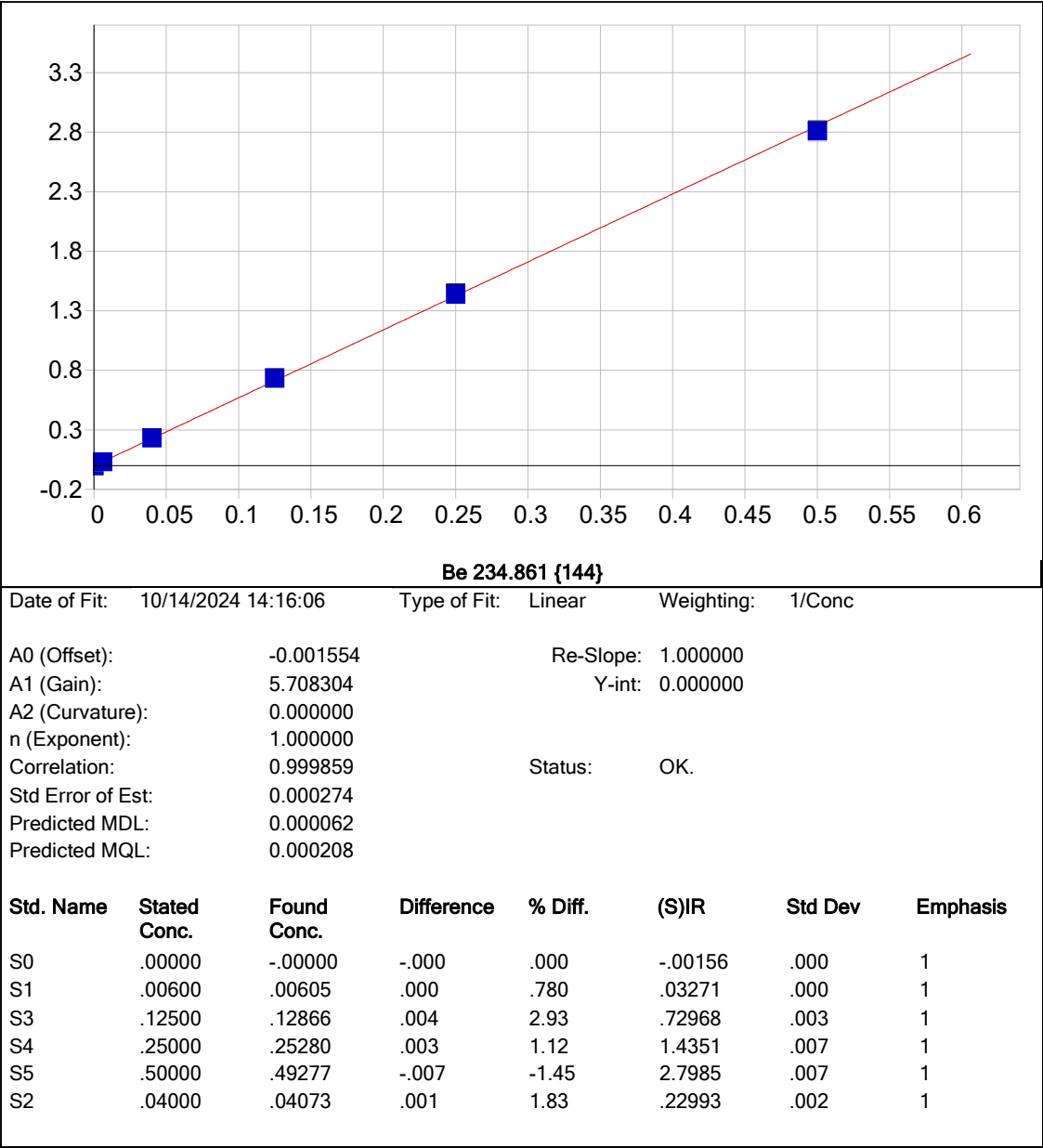


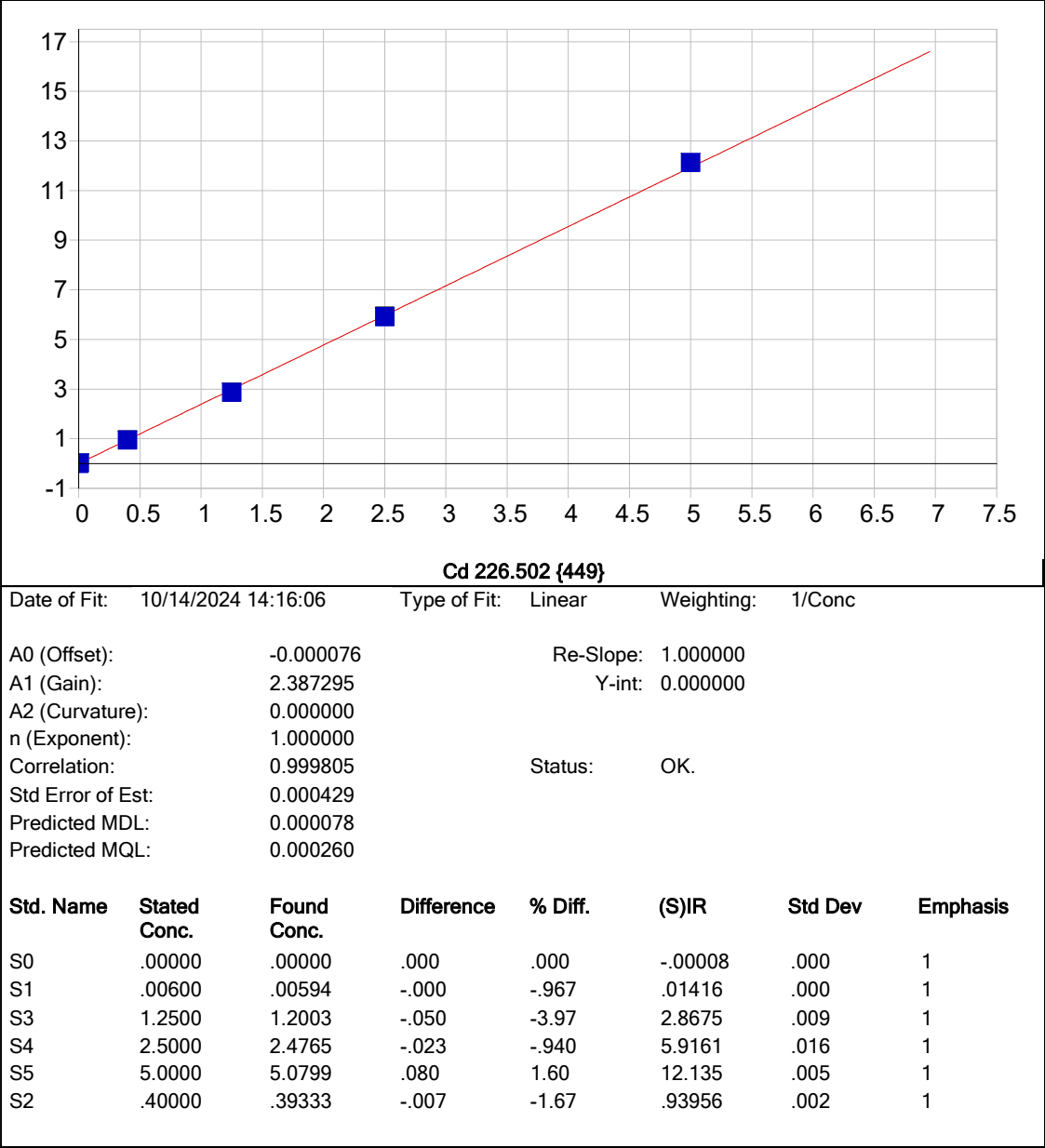


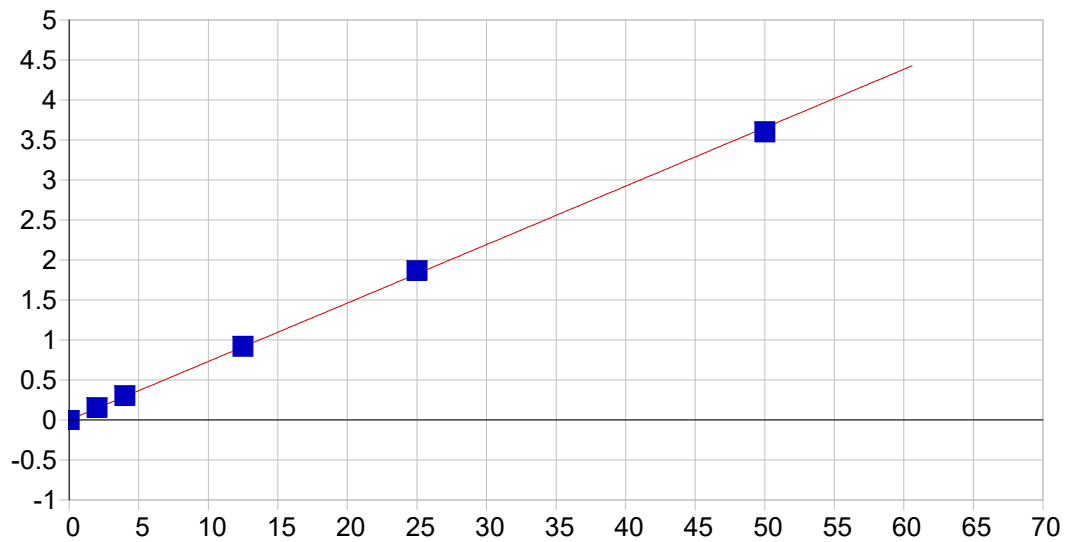










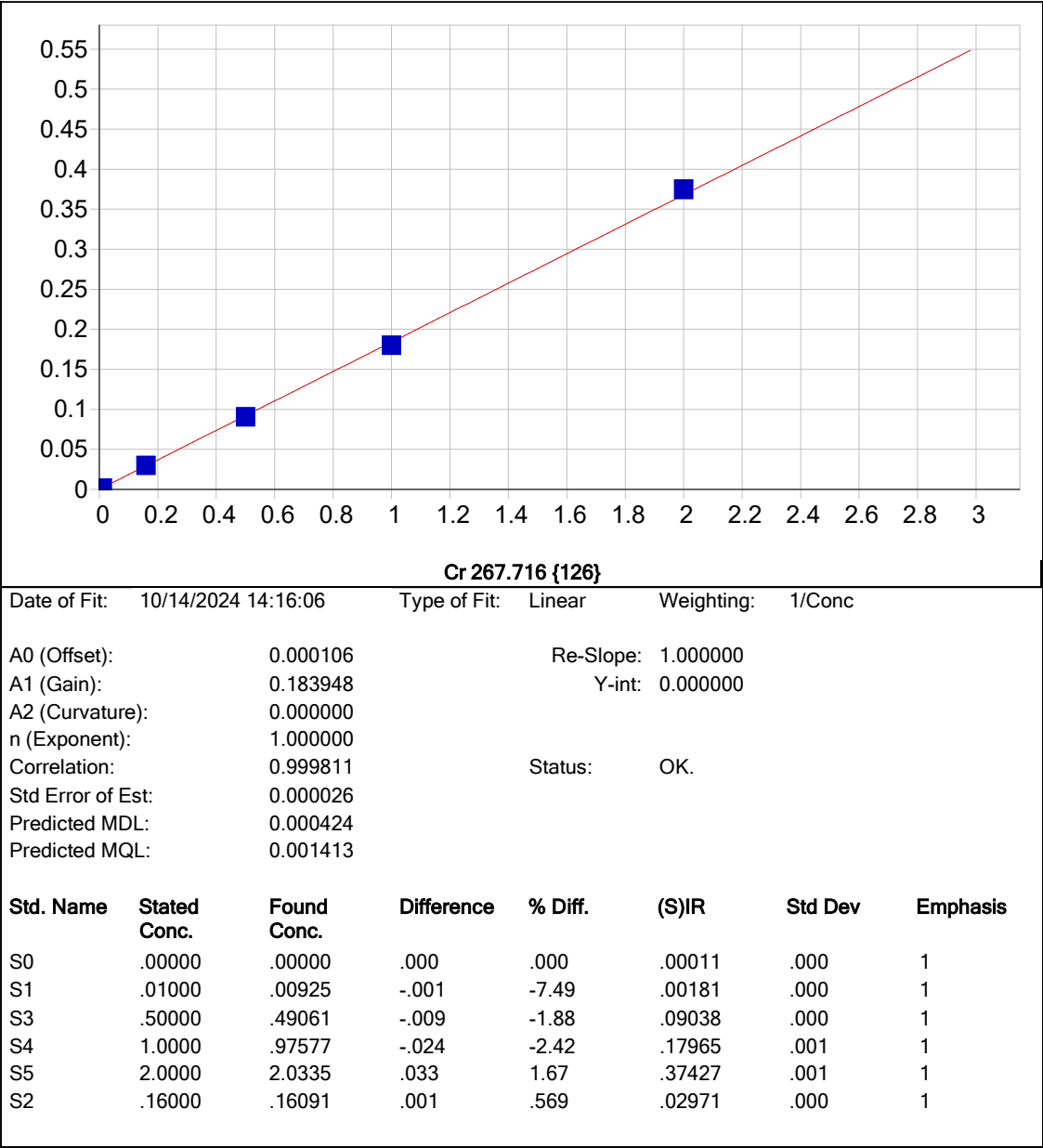


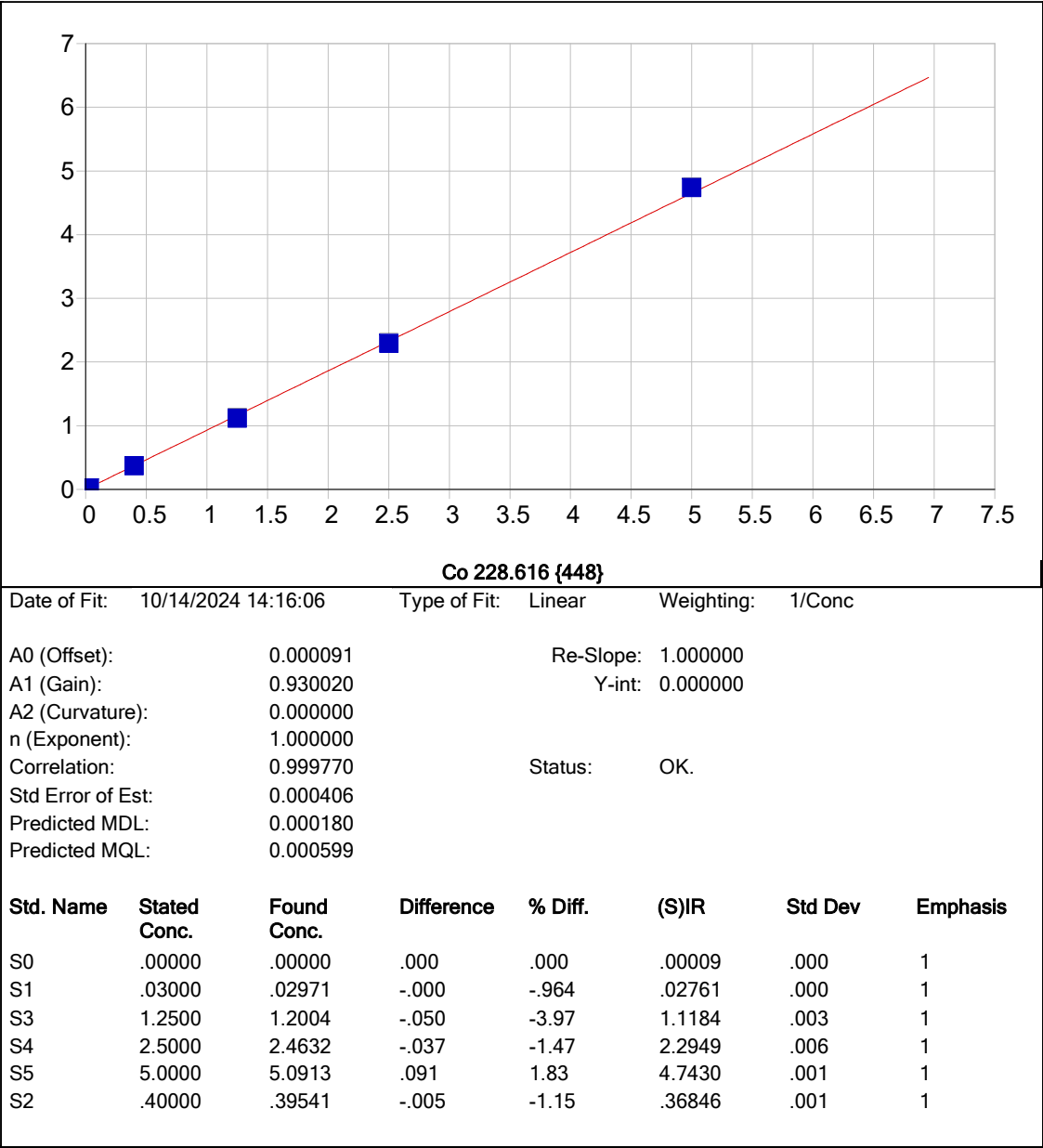
Ca 373.690 { 90}

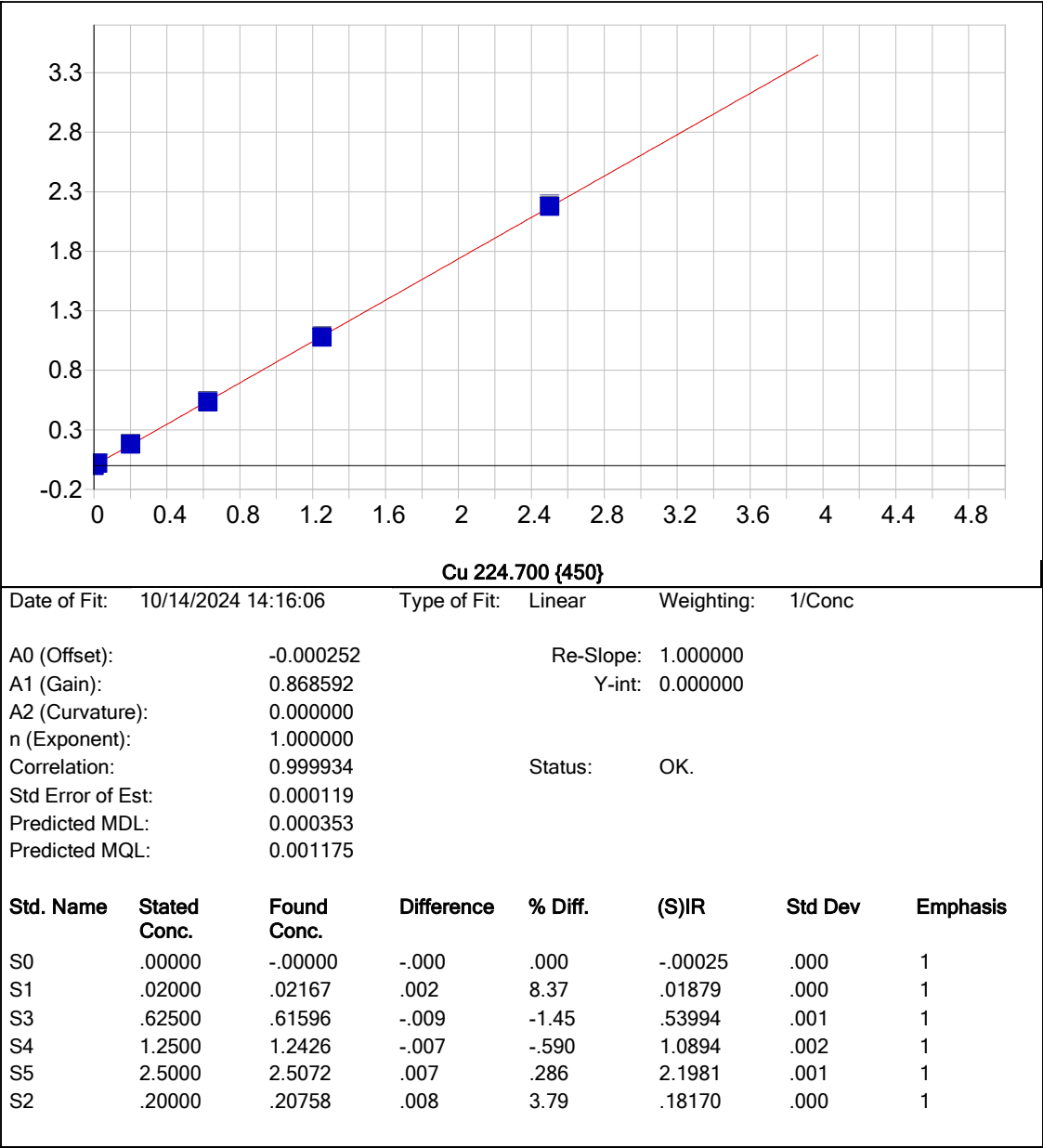
Date of Fit: 10/14/2024 14:16:06 Type of Fit: Linear Weighting: 1/Conc

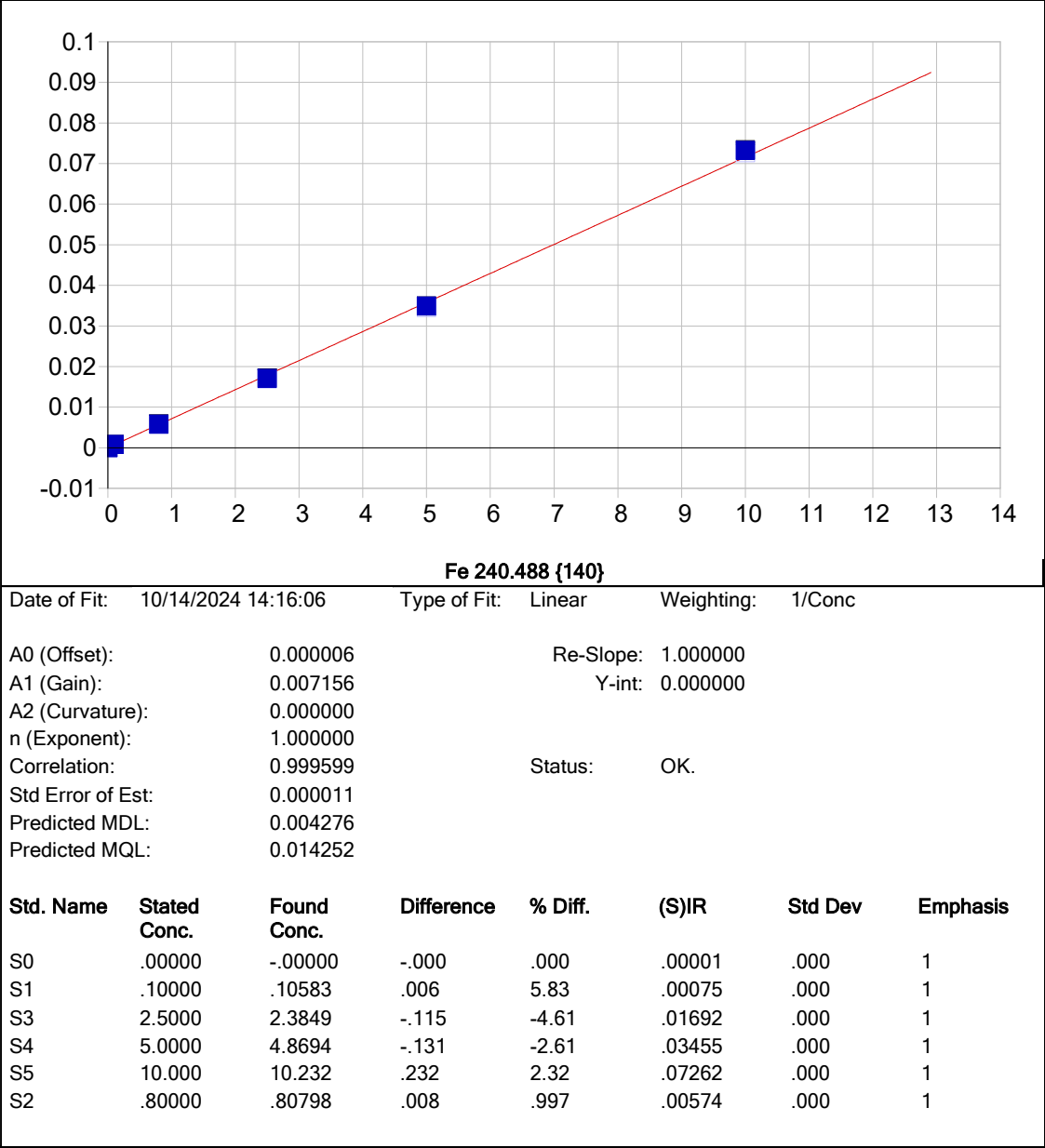
A0 (Offset): 0.000048 Re-Slope: 1.000000
A1 (Gain): 0.073049 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999853 Status: OK.
Std Error of Est: 0.000663
Predicted MDL: 0.009935
Predicted MQL: 0.033115

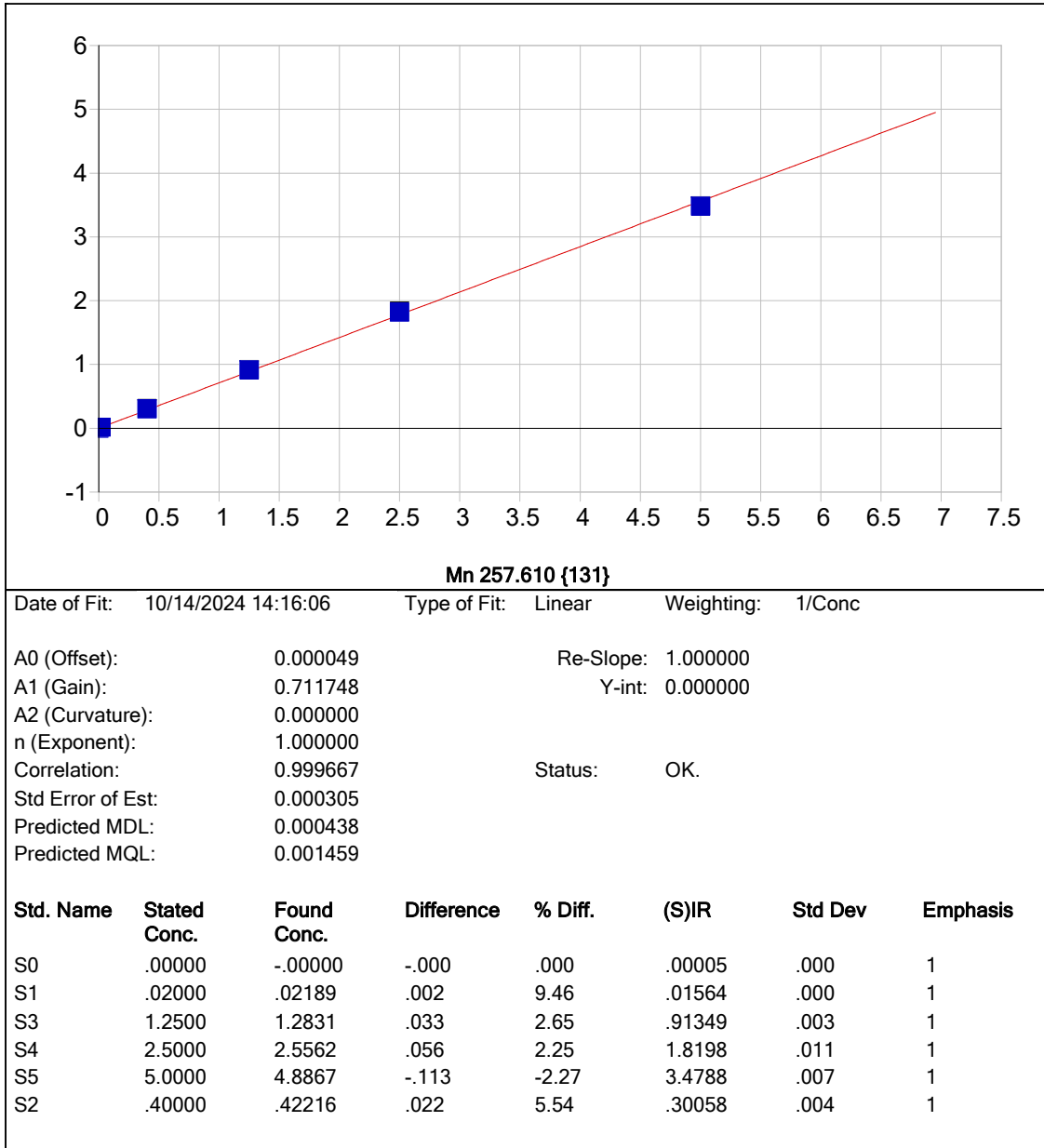
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00013	-.000	.000	.00004	.000	1
S2	4.0000	4.1183	.118	2.96	.30088	.003	1
S3	12.500	12.551	.051	.411	.91692	.003	1
S4	25.000	25.524	.524	2.10	1.8646	.003	1
S5	50.000	49.251	-.749	-1.50	3.5978	.003	1
S1	2.0000	2.0555	.056	2.78	.15020	.000	1

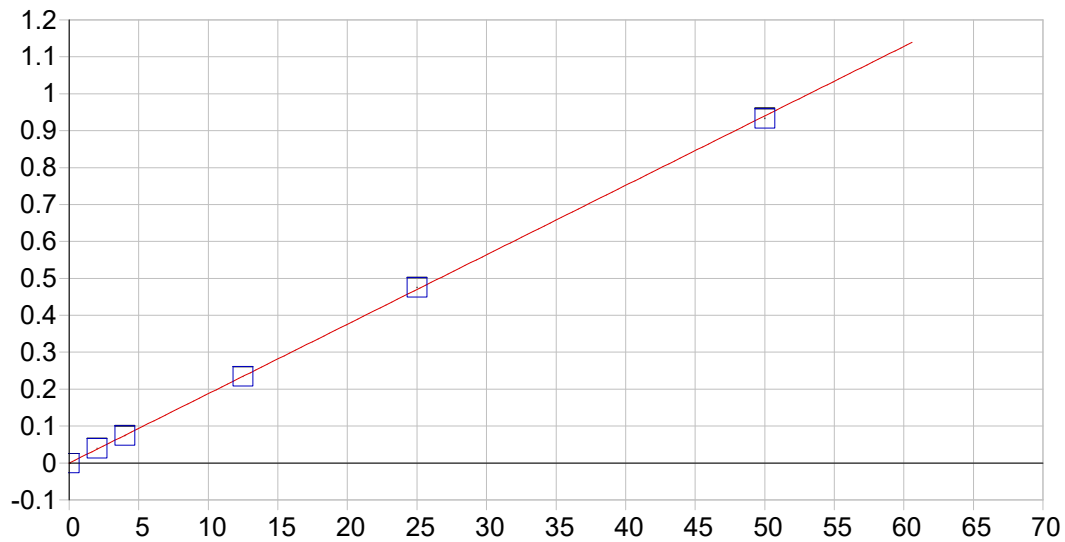










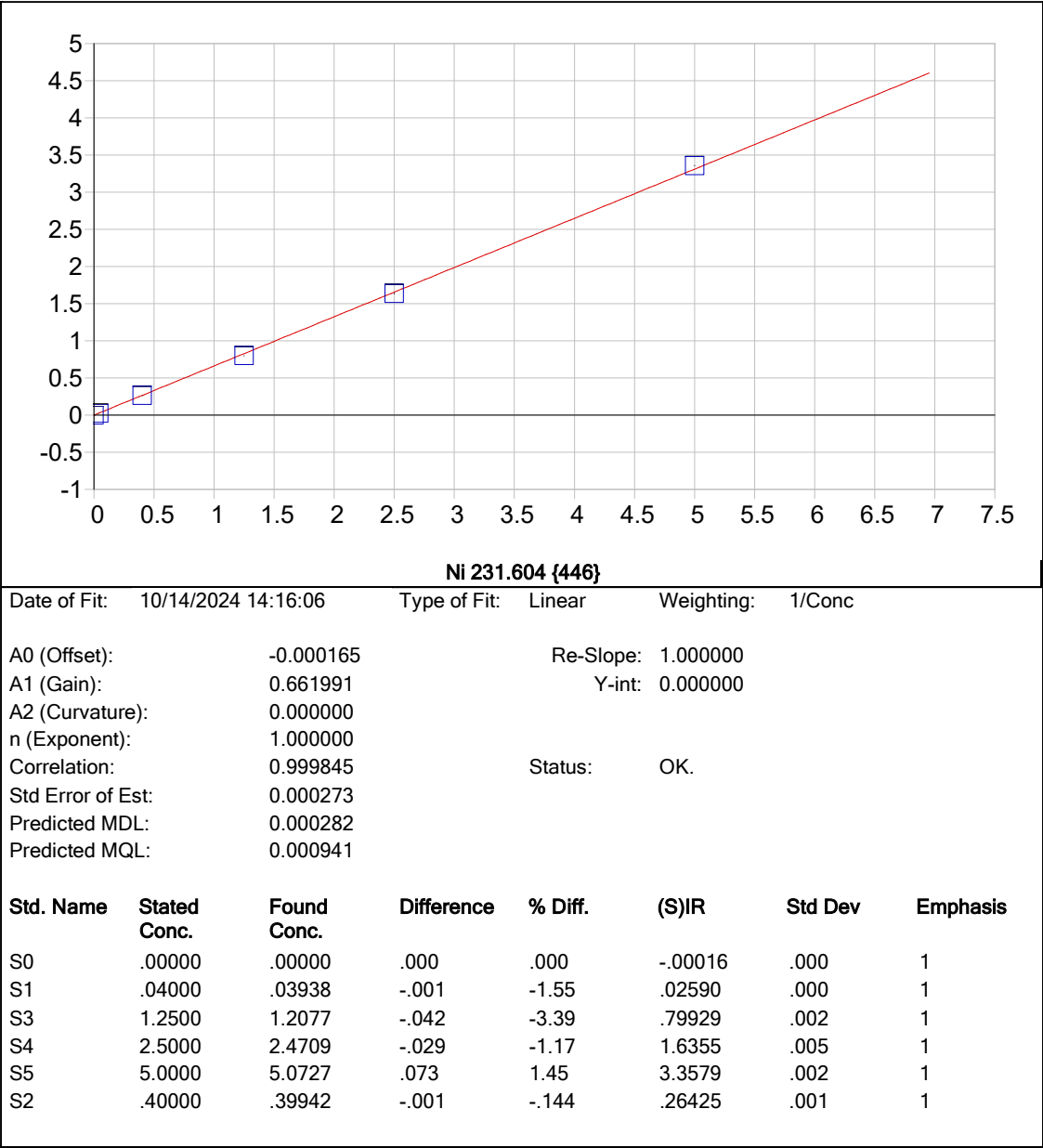


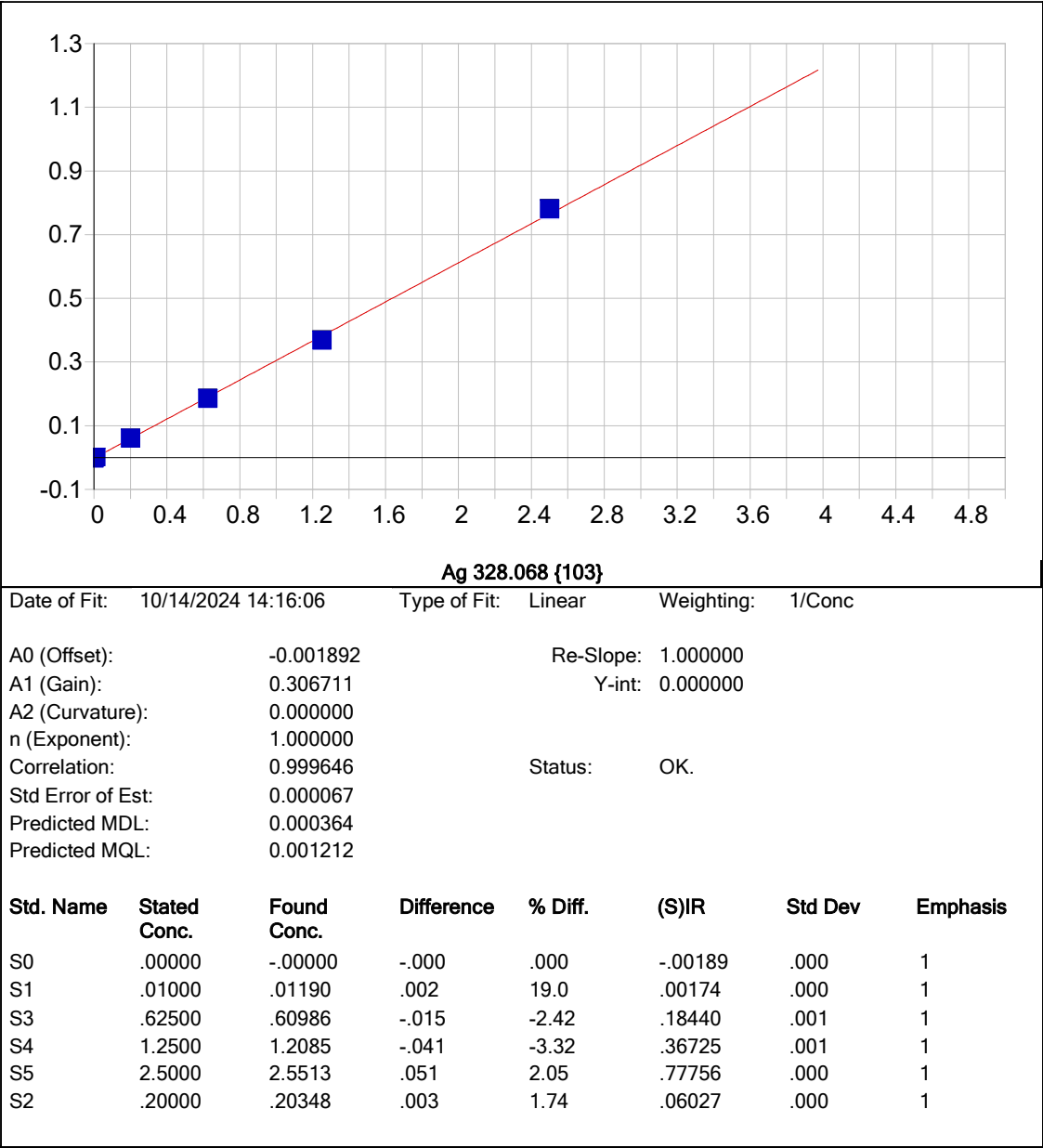
Mg 279.079 {121}

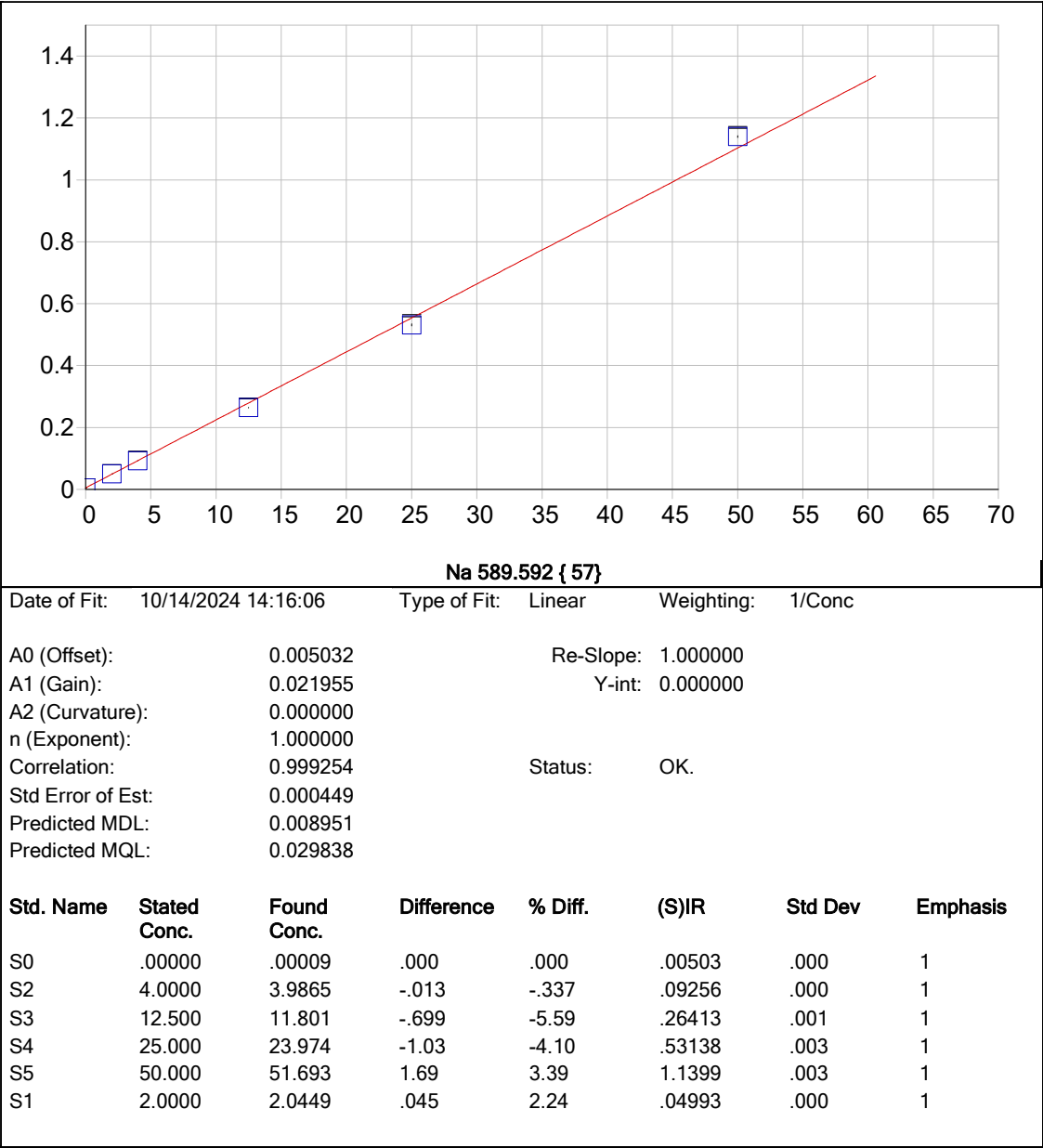
Date of Fit: 10/14/2024 14:16:06 Type of Fit: Linear Weighting: 1/Conc

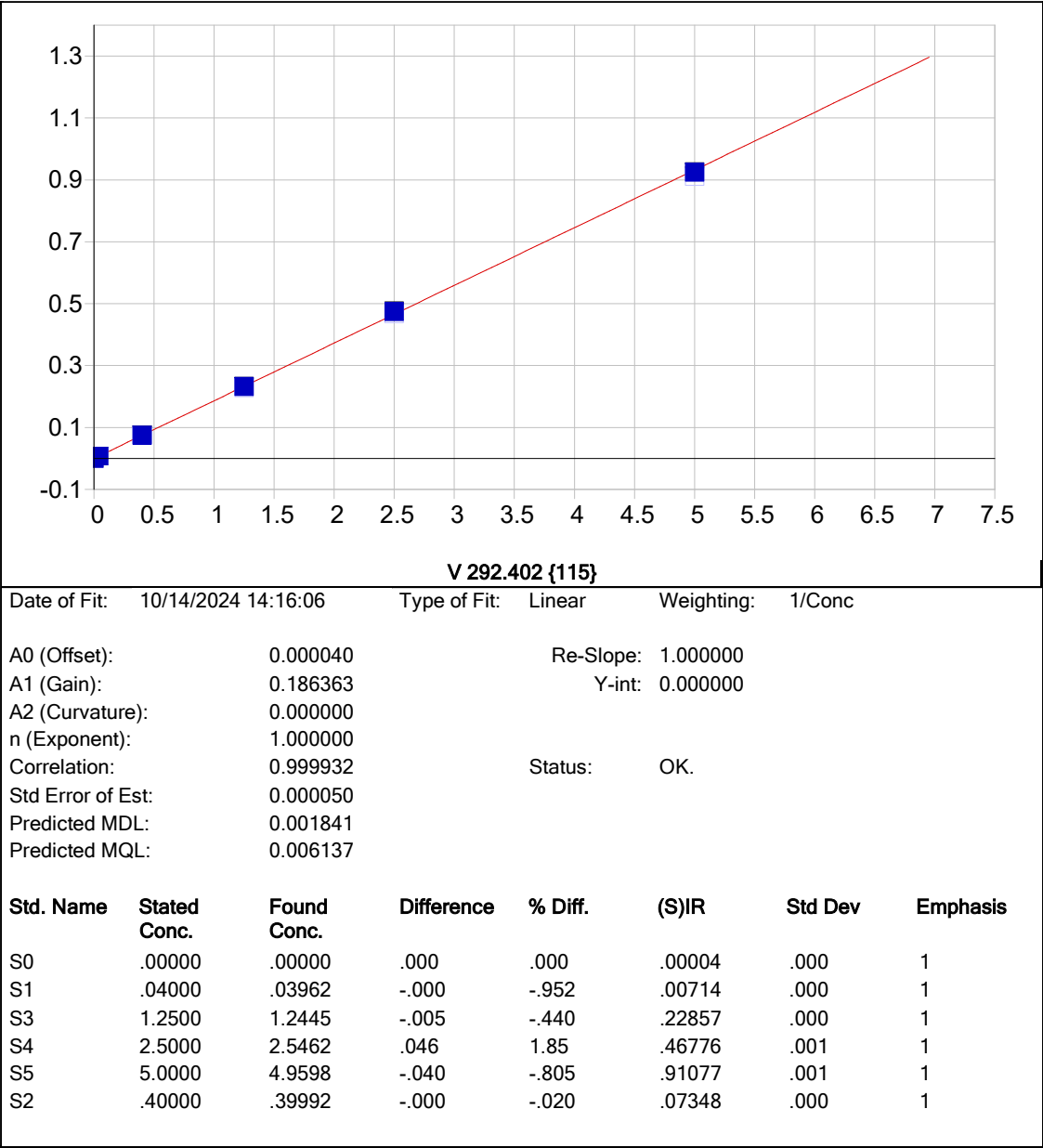
A0 (Offset): -0.000277 Re-Slope: 1.000000
A1 (Gain): 0.018805 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999914 Status: OK.
Std Error of Est: 0.000130
Predicted MDL: 0.016203
Predicted MQL: 0.054011

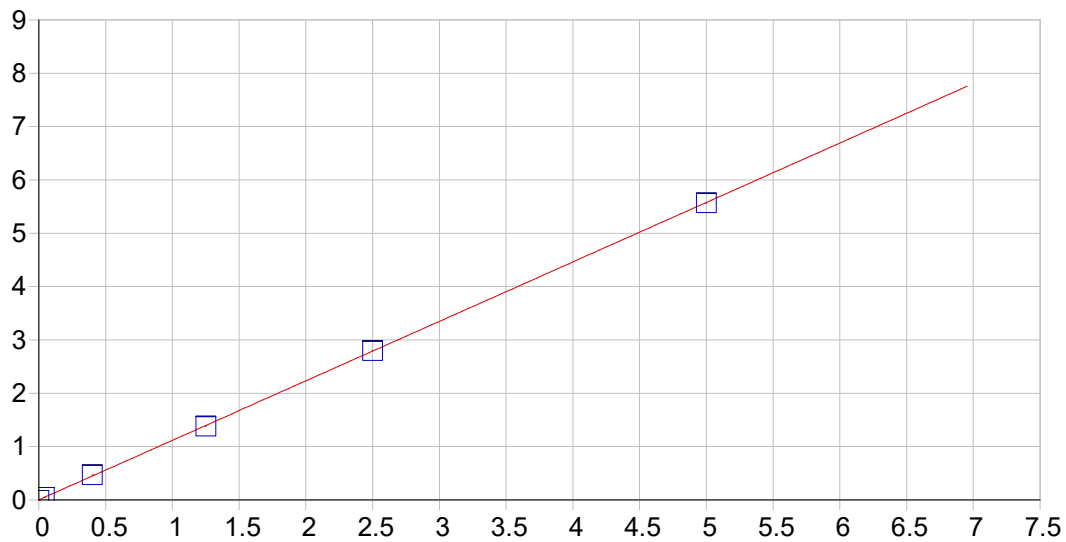
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00012	-.000	.000	-.00028	.000	1
S2	4.0000	3.9572	-.043	-1.07	.07414	.001	1
S3	12.500	12.464	-.036	-.287	.23411	.000	1
S4	25.000	25.308	.308	1.23	.47565	.001	1
S5	50.000	49.636	-.364	-.727	.93314	.001	1
S1	2.0000	2.1341	.134	6.70	.03985	.000	1









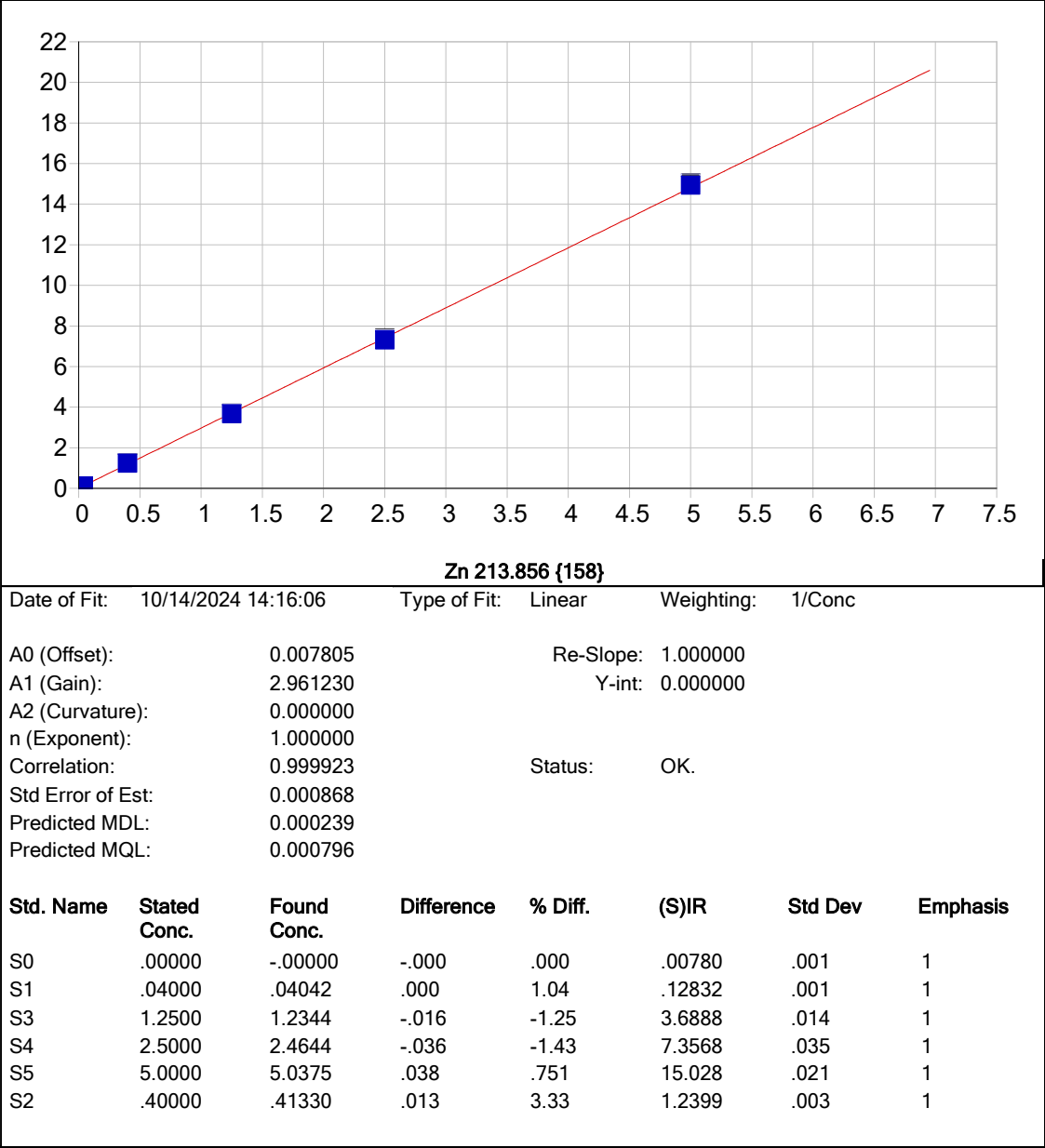


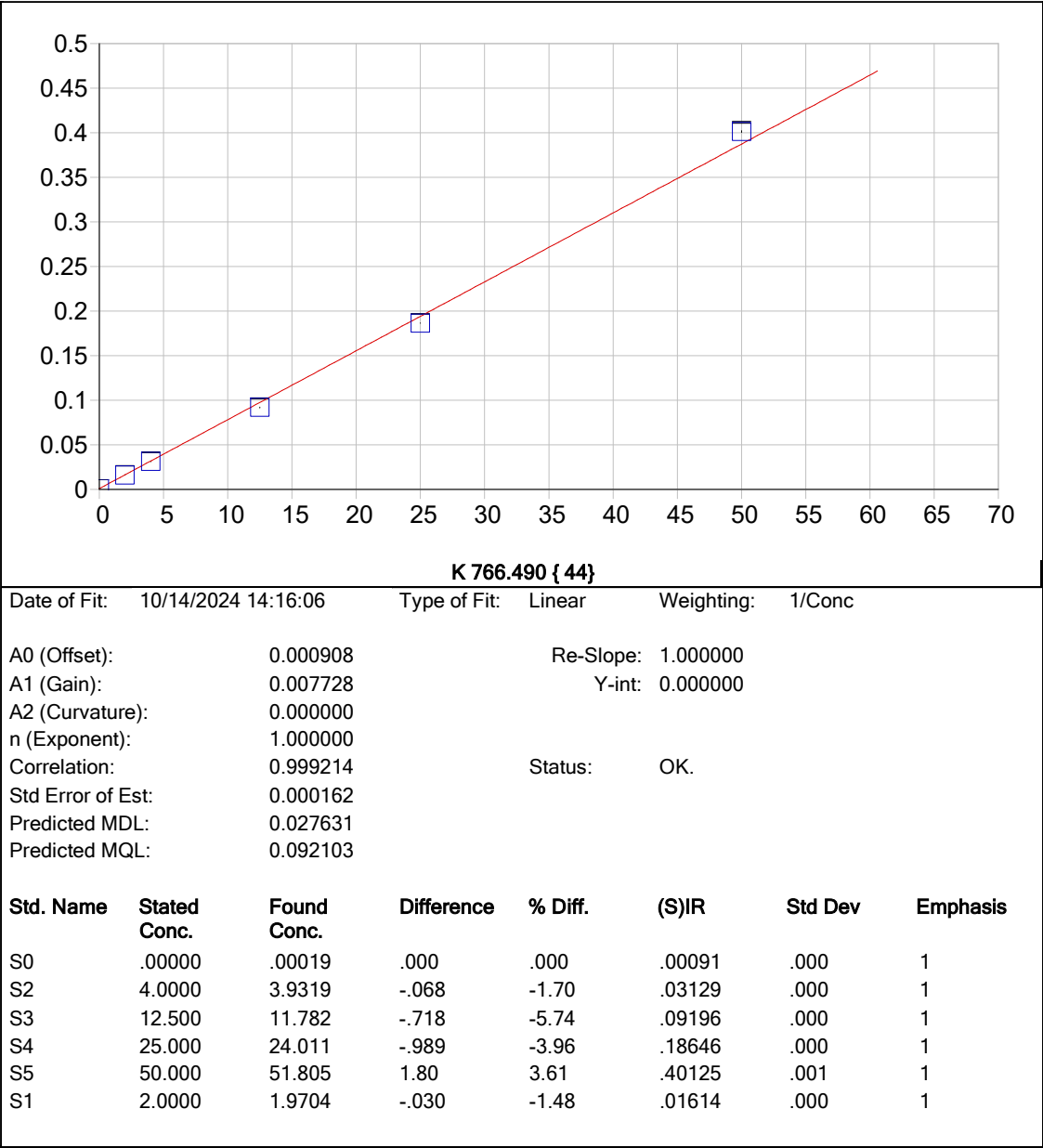
Zn 206.200 {464}

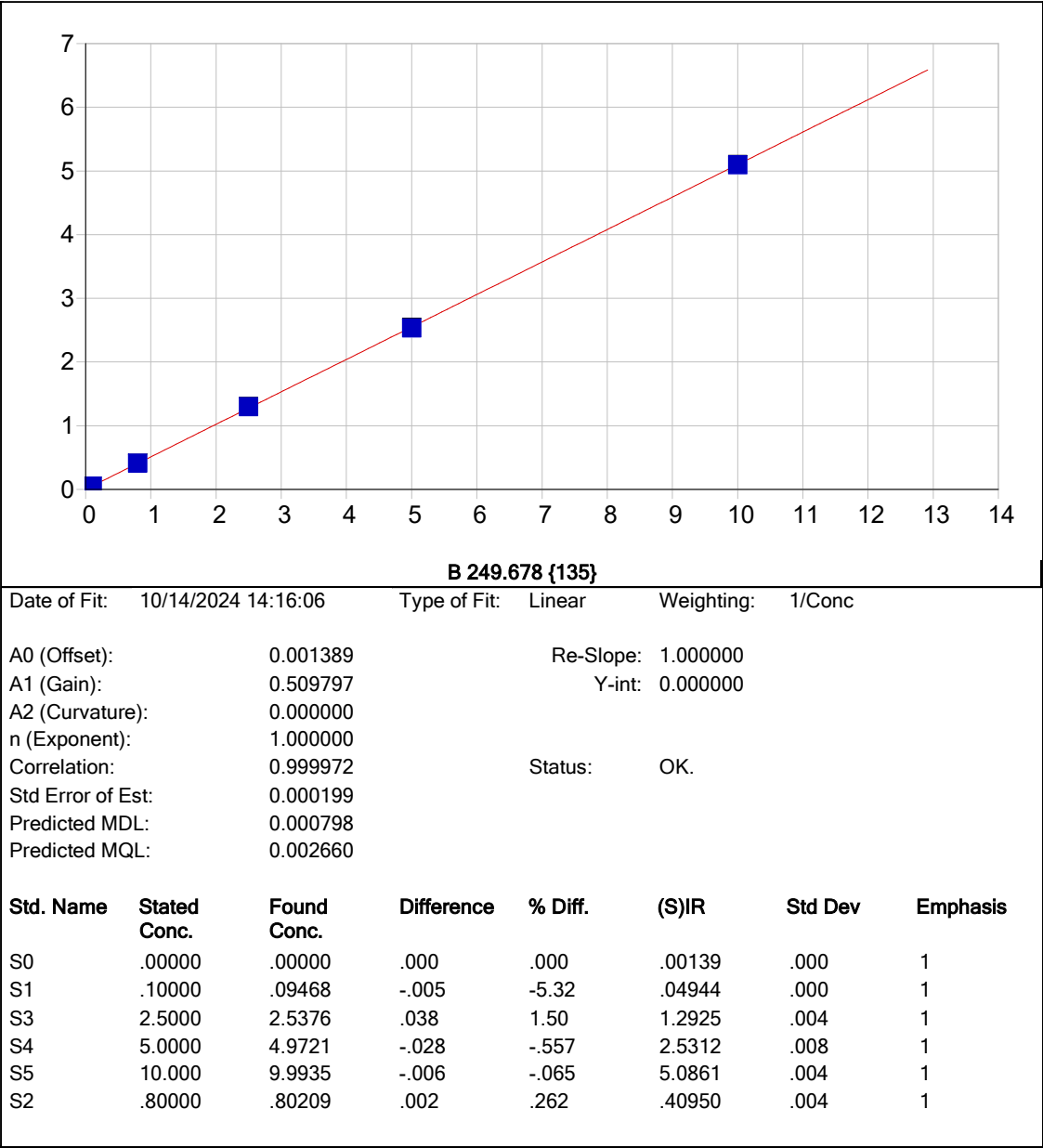
Date of Fit: 10/14/2024 14:16:06 Type of Fit: Linear Weighting: 1/Conc

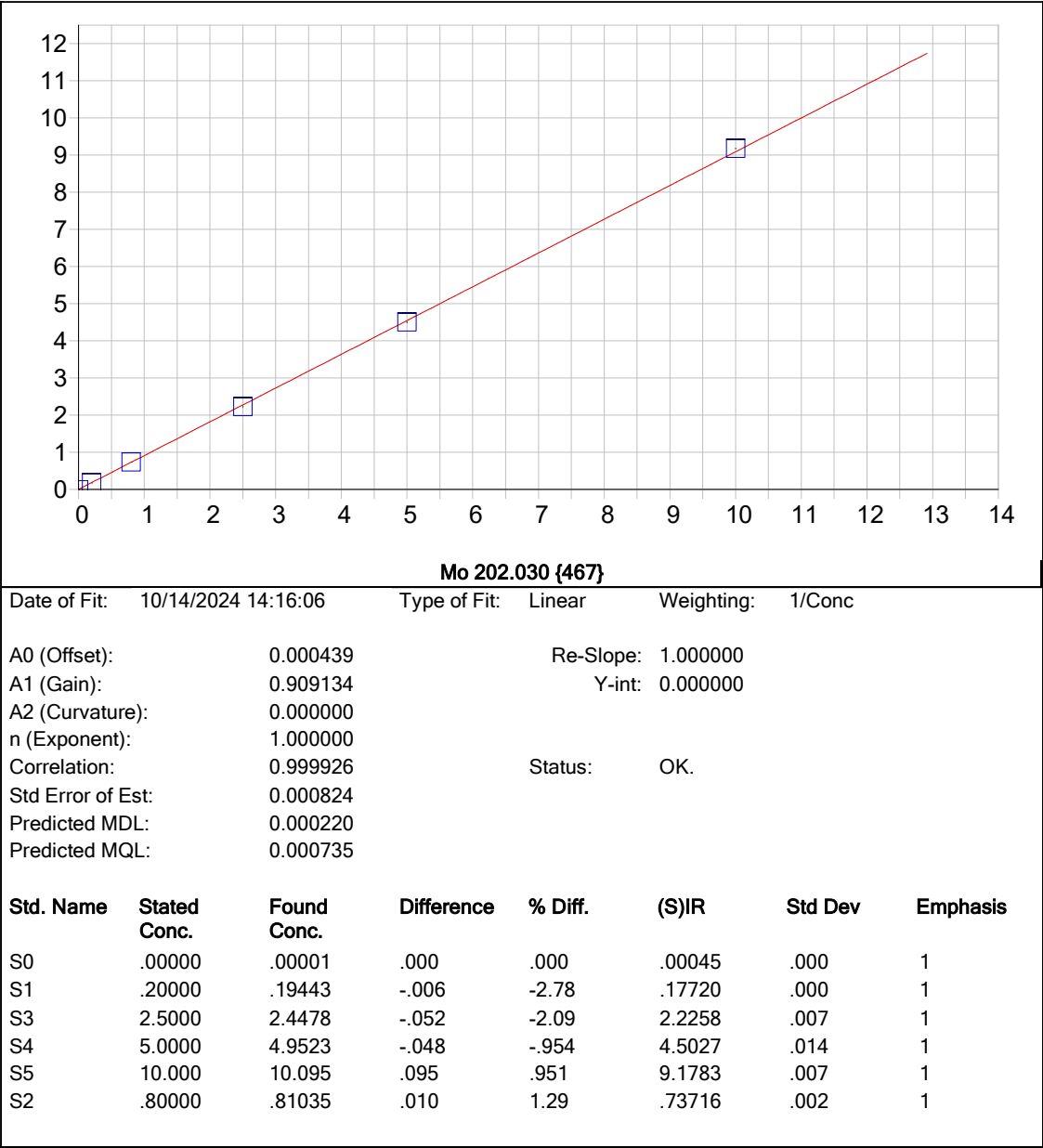
A0 (Offset):	0.001791	Re-Slope:	1.000000
A1 (Gain):	1.115074	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999938	Status:	OK.
Std Error of Est:	0.000290		
Predicted MDL:	0.000173		
Predicted MQL:	0.000578		

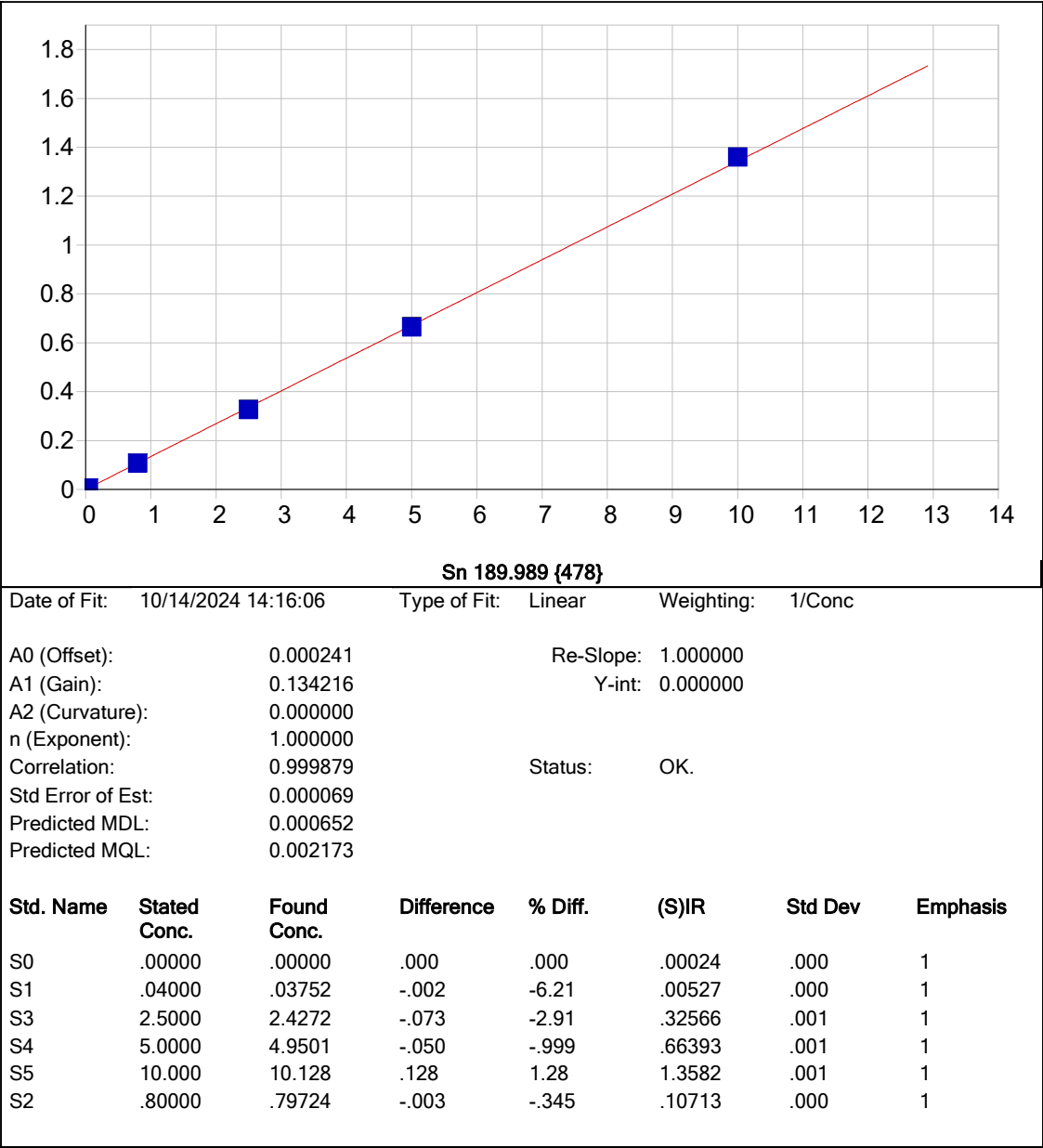
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00179	.000	1
S1	.04000	.04213	.002	5.34	.04877	.000	1
S3	1.2500	1.2350	-.015	-1.20	1.3789	.005	1
S4	2.5000	2.5046	.005	.183	2.7946	.007	1
S5	5.0000	4.9903	-.010	-.194	5.5664	.002	1
S2	.40000	.41799	.018	4.50	.46788	.001	1

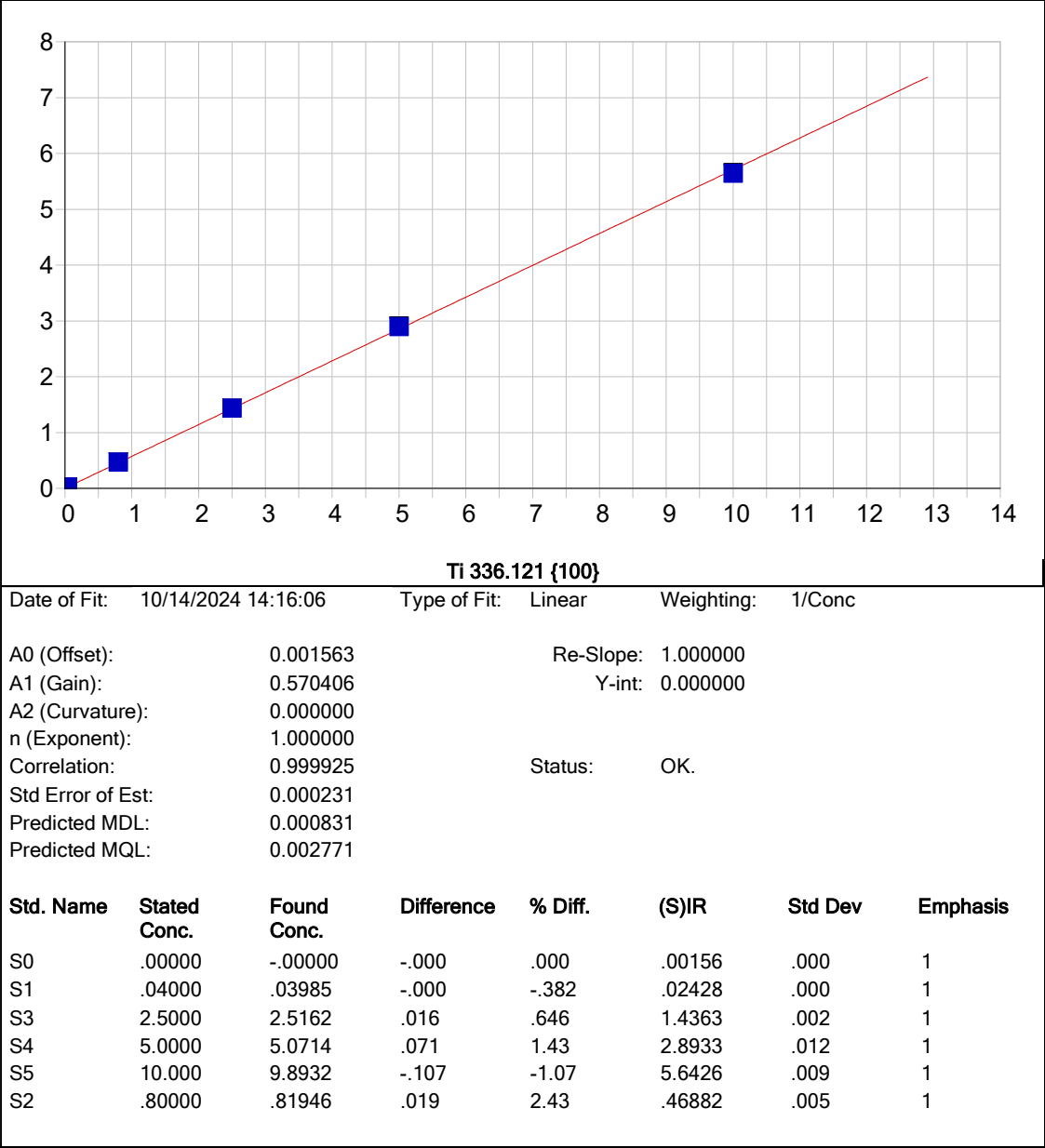


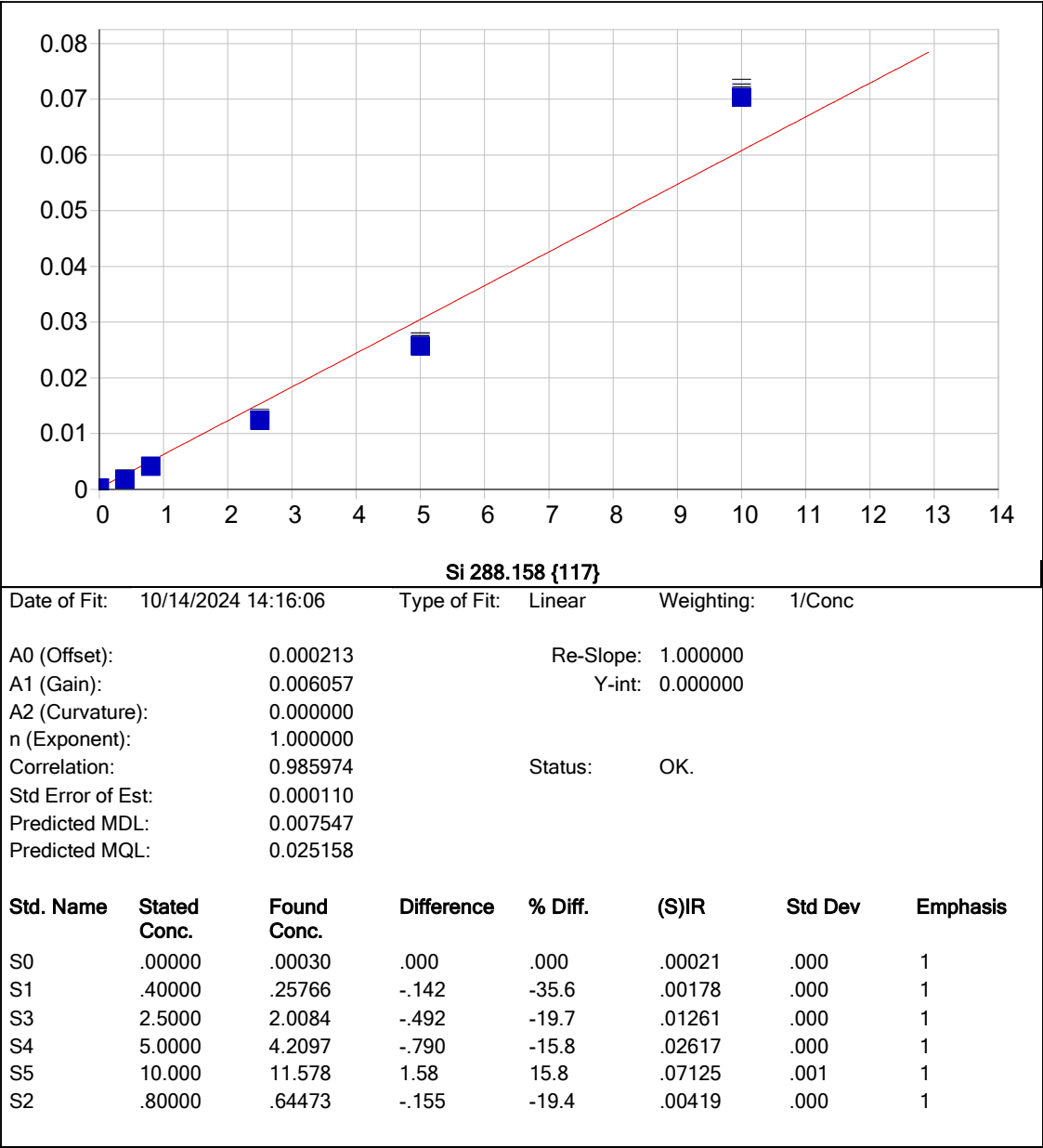


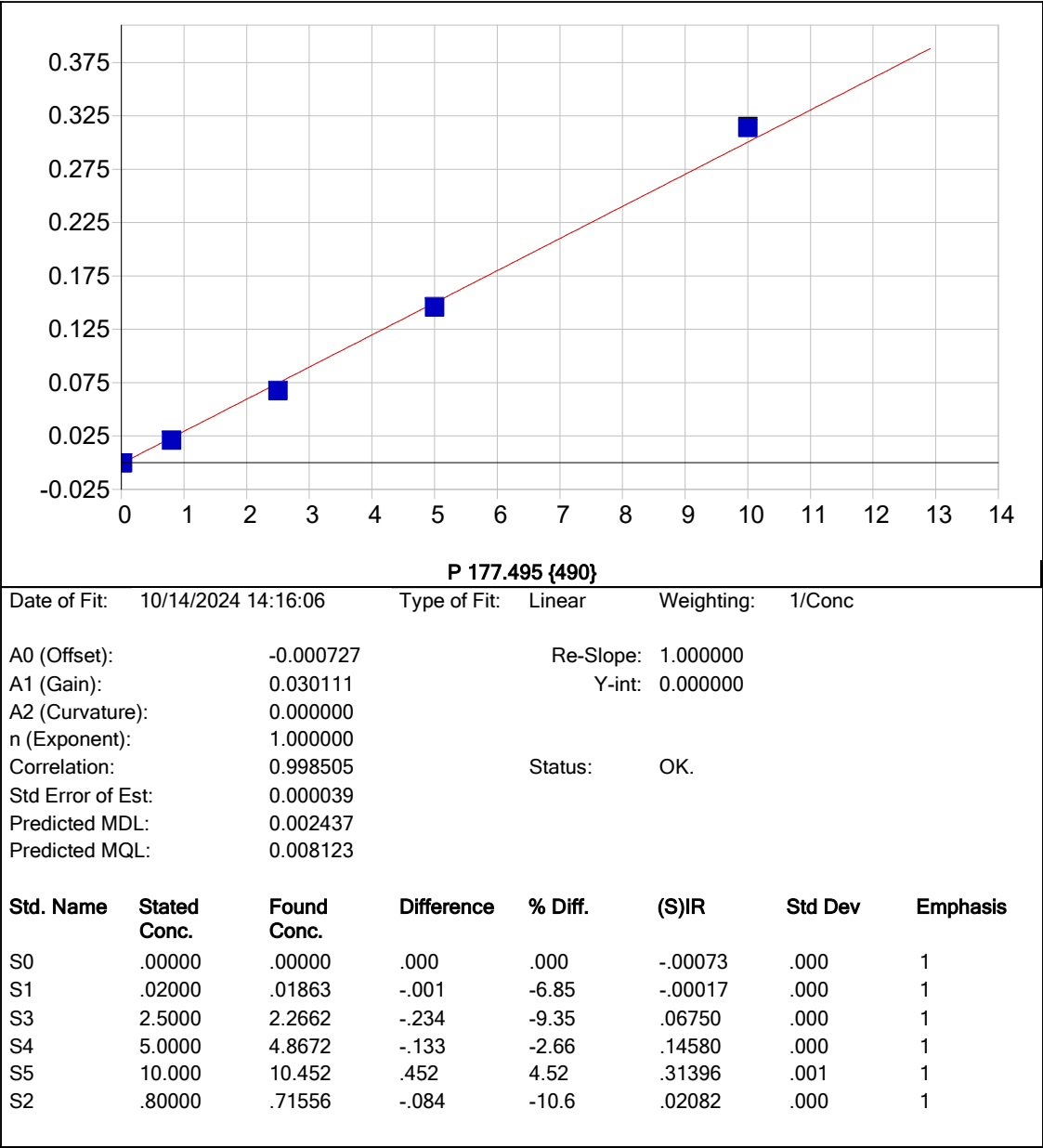


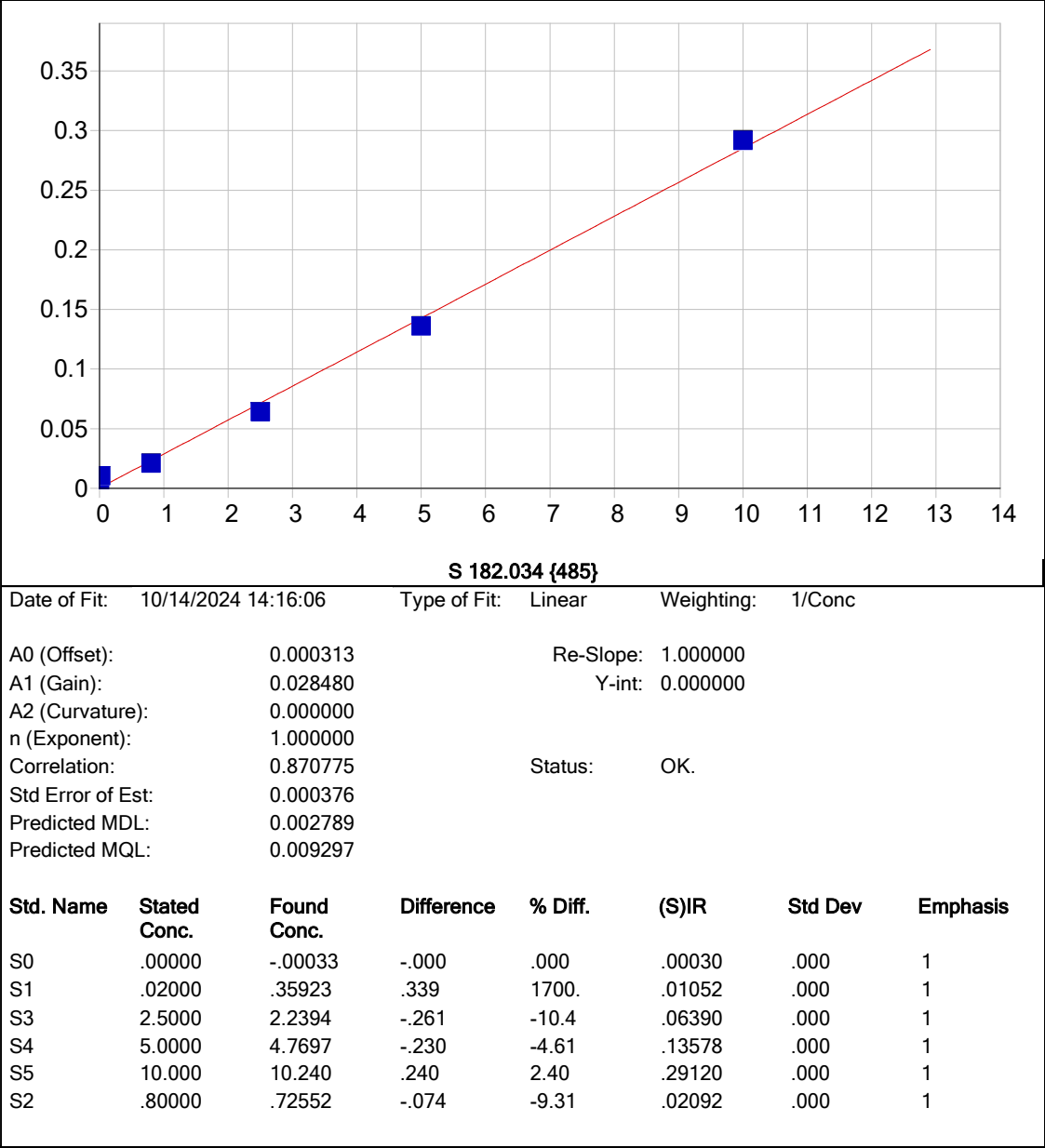


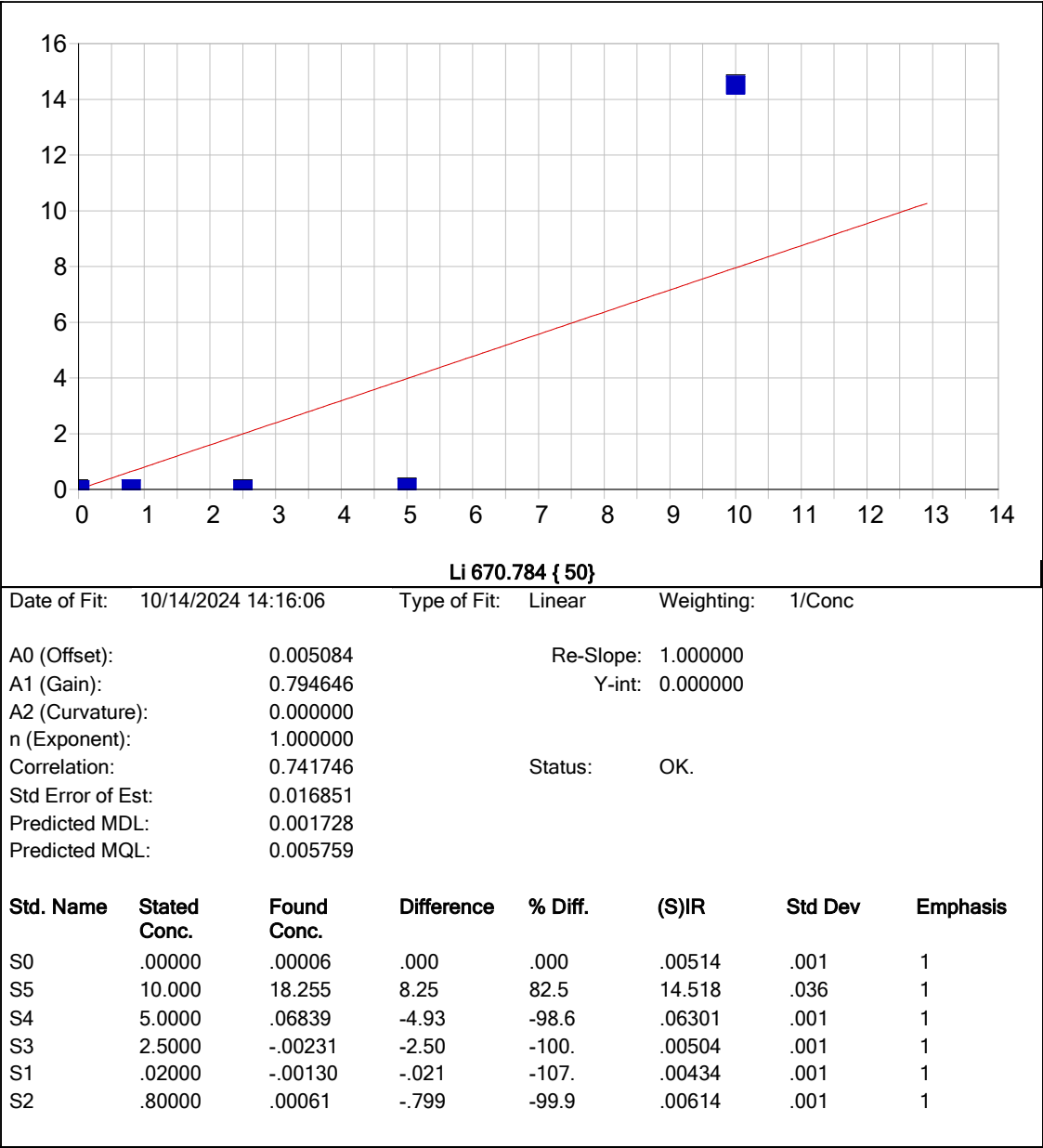


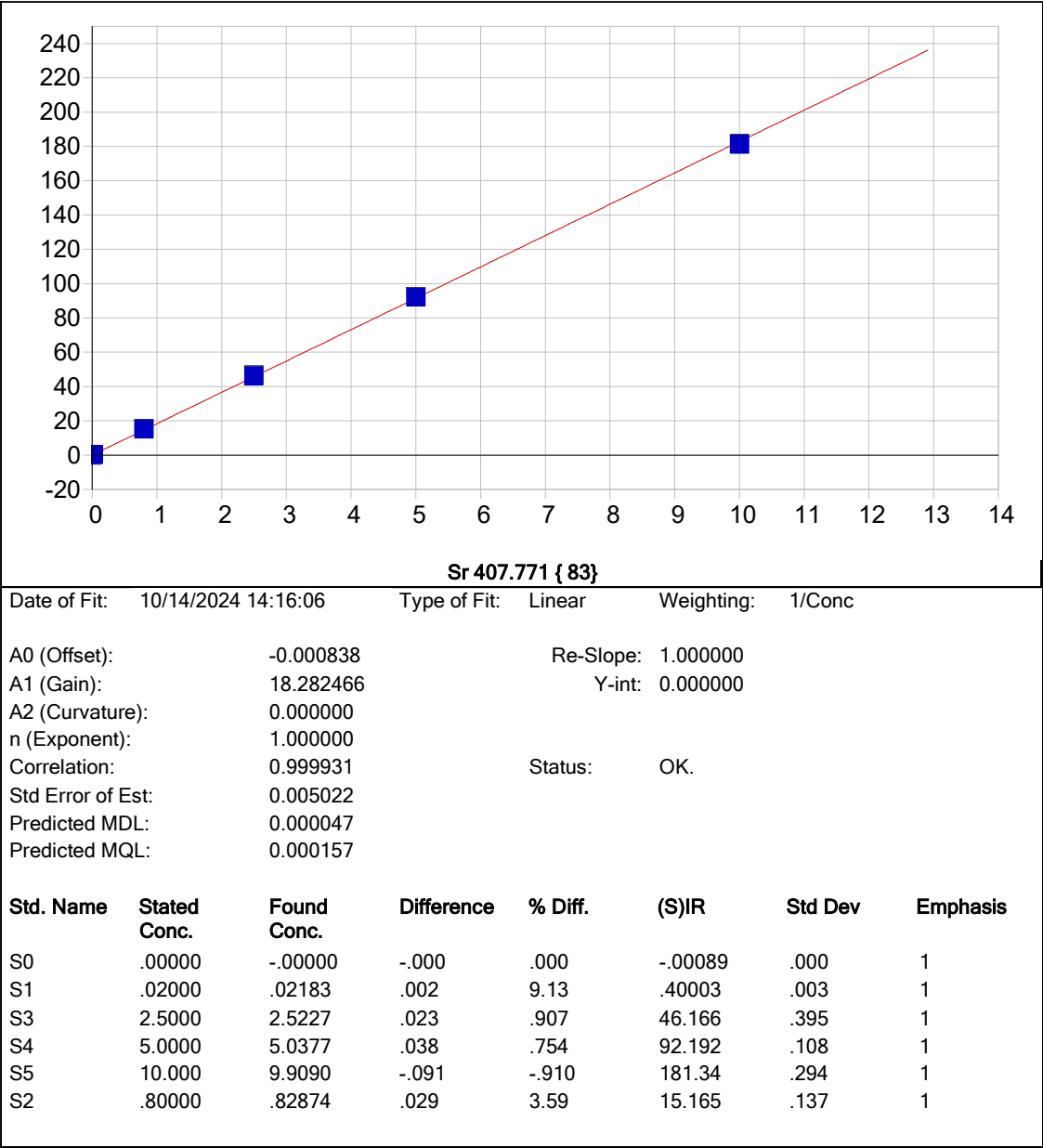


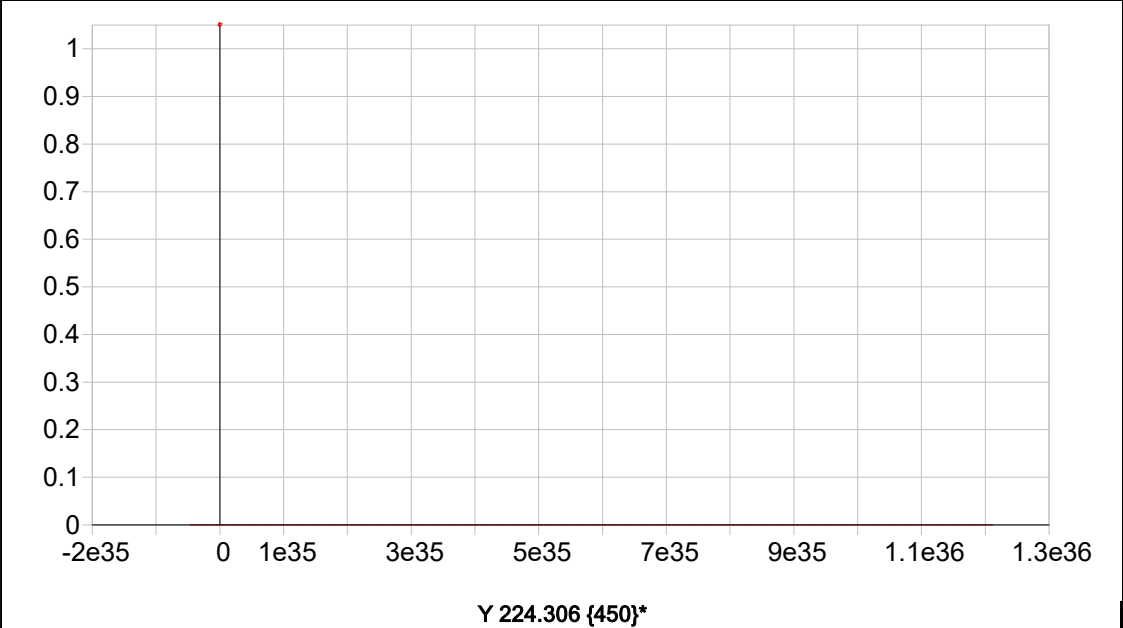






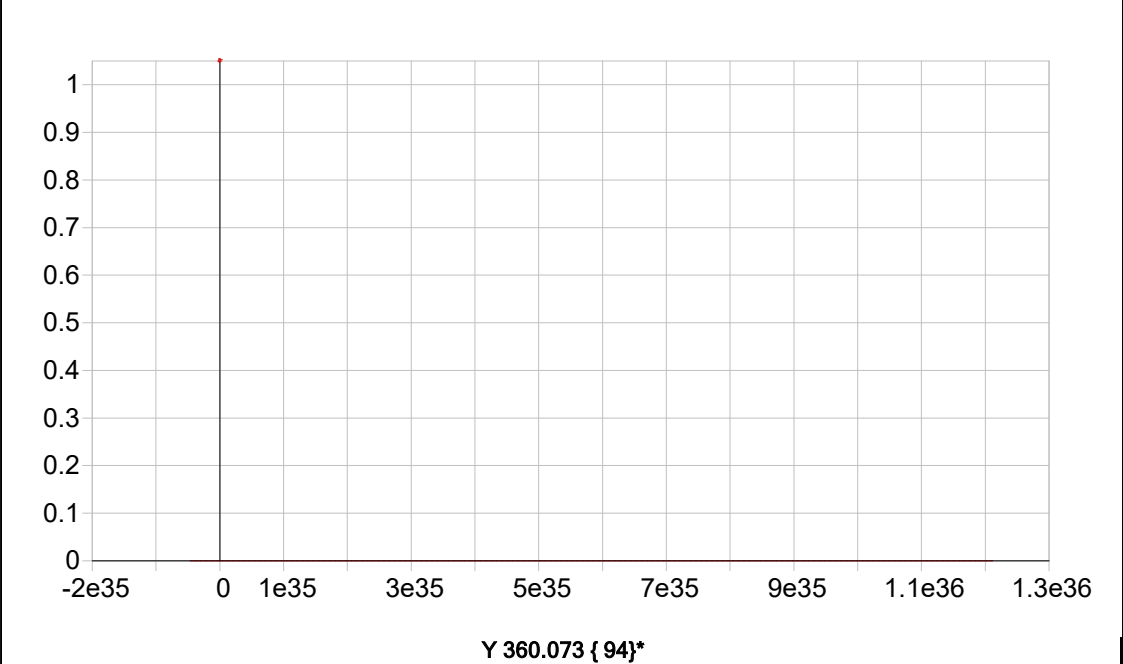




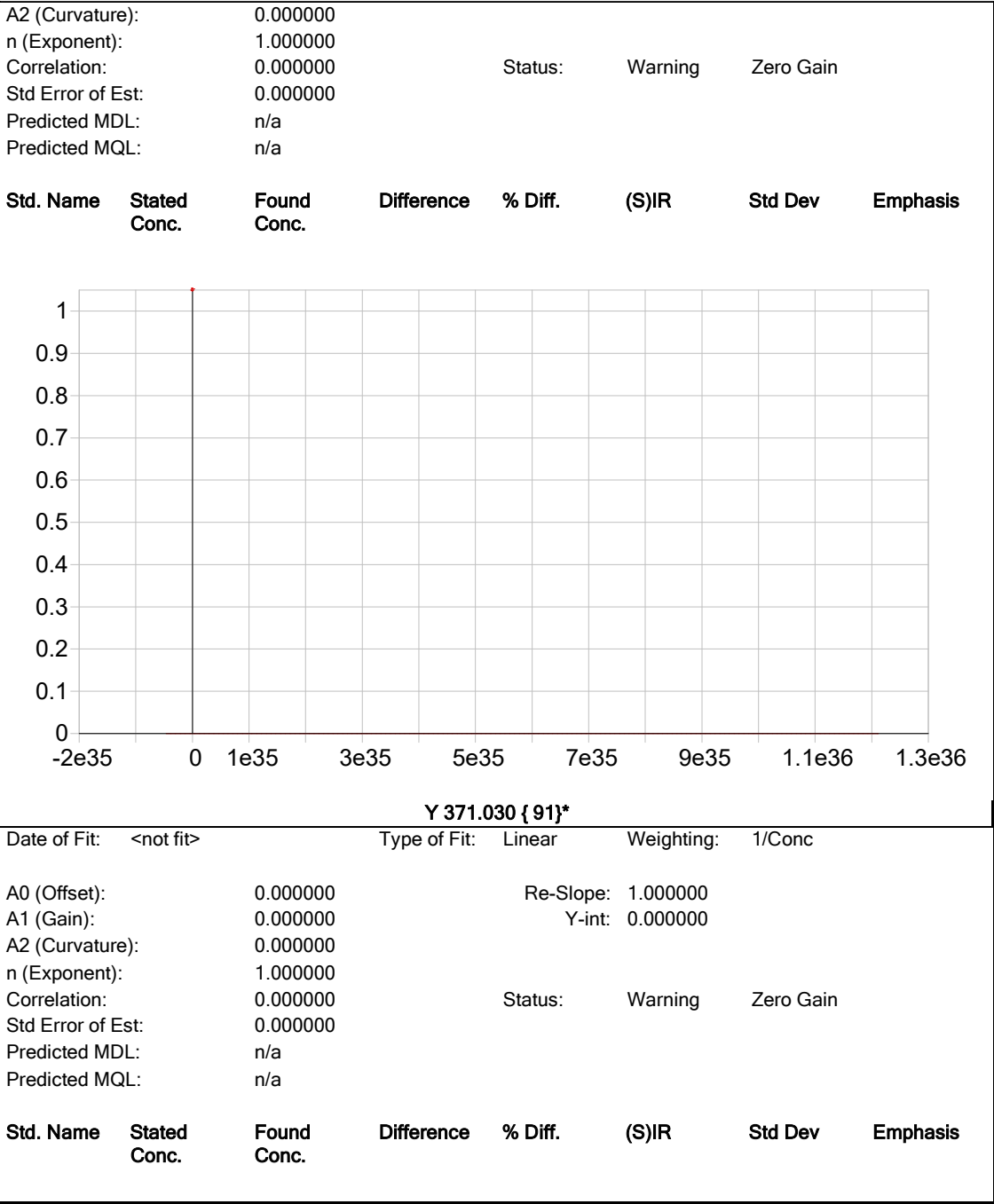


Date of Fit:	10/14/2024 14:16:06	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	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: 10/14/2024 13:40:33 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	-.00003	.00021	-.00022	.00048	.00028	.00006	.02587	-.00156
Stddev	.00001	.00007	.00009	.00010	.00005	.00049	.00044	.00024
%RSD	34.136	33.645	39.999	20.832	19.398	772.46	1.6838	15.586
#1	-.00003	.00023	-.00031	.00058	.00034	.00025	.02637	-.00183
#2	-.00004	.00014	-.00022	.00046	.00027	.00044	.02561	-.00139
#3	-.00002	.00028	-.00013	.00039	.00023	-.00049	.02562	-.00144
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	-.00008	.00004	.00011	.00009	-.00025	.00001	.00005	-.00028
Stddev	.00012	.00044	.00006	.00006	.00004	.00002	.00017	.00018
%RSD	154.39	1145.5	54.511	67.784	15.692	424.46	361.16	65.175
#1	-.00002	-.00037	.00008	.00016	-.00021	-.00002	-.00015	-.00038
#2	-.00000	-.00002	.00017	.00008	-.00029	.00001	.00016	-.00007
#3	-.00021	.00050	.00007	.00004	-.00026	.00002	.00012	-.00039
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	-.00016	-.00189	.00503	.00004	.00780	.00091	.00139	.00045
Stddev	.00005	.00006	.00010	.00018	.00129	.00008	.00015	.00017
%RSD	31.168	3.1374	1.9224	448.98	16.506	8.4937	11.094	37.673
#1	-.00012	-.00183	.00492	-.00005	.00917	.00100	.00150	.00028
#2	-.00022	-.00191	.00508	.00025	.00762	.00088	.00122	.00043
#3	-.00015	-.00194	.00510	-.00008	.00662	.00085	.00146	.00062
Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.00024	.00156	.00021	-.00073	.00030	.00514	-.00089	
Stddev	.00006	.00012	.00003	.00005	.00006	.00113	.00039	
%RSD	24.452	7.3972	13.456	6.4723	18.207	22.062	44.310	
#1	.00030	.00169	.00024	-.00071	.00032	.00428	-.00044	
#2	.00018	.00154	.00018	-.00078	.00035	.00642	-.00105	
#3	.00024	.00146	.00022	-.00069	.00024	.00470	-.00117	

Sample Name: S0 Acquired: 10/14/2024 13:40:33 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	2972.0	57054.	7505.9	2494.2	5119.2
Stddev	3.3	3.	15.7	6.2	3.9
%RSD	.11055	.00555	.20870	.24893	.07715
#1	2975.0	57056.	7488.6	2500.2	5119.4
#2	2972.4	57055.	7509.8	2494.7	5123.1
#3	2968.5	57050.	7519.1	2487.8	5115.2

Sample Name: S1 Acquired: 10/14/2024 13:45:01 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	.00100	.00172	.00322	.00239	.01052	.01043	.38153	.03271
Stddev	.00006	.00006	.00017	.00015	.00022	.00044	.00277	.00030
%RSD	6.0575	3.5524	5.3524	6.4603	2.0642	4.2294	.72662	.91446
#1	.00093	.00176	.00326	.00239	.01058	.01030	.38411	.03284
#2	.00105	.00165	.00304	.00224	.01071	.01006	.37860	.03292
#3	.00103	.00175	.00338	.00255	.01028	.01092	.38187	.03237
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	.01416	.15020	.00181	.02761	.01879	.00075	.01564	.03985
Stddev	.00007	.00038	.00004	.00014	.00014	.00004	.00005	.00017
%RSD	.48622	.25014	2.2337	.48944	.74959	4.7078	.33813	.43870
#1	.01410	.15064	.00185	.02776	.01892	.00071	.01562	.03999
#2	.01423	.15001	.00177	.02756	.01864	.00078	.01570	.03966
#3	.01414	.14996	.00180	.02750	.01882	.00077	.01559	.03991
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	.02590	.00174	.04993	.00714	.12832	.01614	.04944	.17720
Stddev	.00015	.00010	.00031	.00020	.00136	.00011	.00022	.00041
%RSD	.56182	5.6190	.61822	2.8091	1.0623	.69235	.44087	.23289
#1	.02601	.00180	.05024	.00737	.12954	.01608	.04919	.17706
#2	.02574	.00178	.04962	.00700	.12685	.01606	.04953	.17767
#3	.02596	.00163	.04992	.00706	.12856	.01626	.04960	.17688
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	.00527	.02428	.00178	-.00017	.01052	.00434	.40003	
Stddev	.00005	.00034	.00004	.00007	.00003	.00076	.00272	
%RSD	.88207	1.4041	2.4255	42.362	.24238	17.553	.68092	
#1	.00530	.02407	.00175	-.00011	.01055	.00383	.40306	
#2	.00522	.02409	.00176	-.00024	.01051	.00521	.39779	
#3	.00529	.02467	.00183	-.00014	.01050	.00397	.39923	

Sample Name: S1 Acquired: 10/14/2024 13:45:01 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	2940.4	57224.	8002.9	2443.6	5049.1
Stddev	.9	191.	36.2	13.5	2.2
%RSD	.03075	.33405	.45253	.55407	.04263
#1	2940.0	57031.	7962.1	2430.3	5051.1
#2	2939.8	57413.	8015.4	2457.4	5046.8
#3	2941.5	57228.	8031.2	2443.1	5049.4

Sample Name: S2 Acquired: 10/14/2024 13:49:27 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	.04680	.03536	.20670	.08499	.16835	.15143	5.4677	.22993
Stddev	.00012	.00019	.00007	.00008	.00056	.00106	.0462	.00163
%RSD	.26607	.53377	.03260	.09667	.33161	.69799	.84425	.70713
#1	.04678	.03546	.20672	.08499	.16892	.15036	5.4157	.22808
#2	.04694	.03514	.20663	.08507	.16781	.15144	5.5039	.23114
#3	.04669	.03548	.20676	.08491	.16833	.15248	5.4835	.23057
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	.93956	.30088	.02971	.36846	.18170	.00574	.30058	.07414
Stddev	.00241	.00304	.00011	.00070	.00021	.00005	.00388	.00097
%RSD	.25655	1.0115	.36300	.18980	.11454	.91888	1.2903	1.3115
#1	.93707	.29742	.02972	.36816	.18194	.00570	.29618	.07309
#2	.93972	.30313	.02982	.36796	.18153	.00580	.30352	.07432
#3	.94189	.30211	.02960	.36926	.18164	.00571	.30203	.07501
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	.26425	.06027	.09256	.07348	1.2399	.03129	.40950	.73716
Stddev	.00057	.00022	.00035	.00025	.0034	.00023	.00415	.00209
%RSD	.21612	.35750	.37950	.33823	.27420	.74308	1.0141	.28360
#1	.26368	.06027	.09257	.07323	1.2435	.03106	.40484	.73822
#2	.26424	.06049	.09290	.07372	1.2367	.03130	.41084	.73475
#3	.26483	.06006	.09220	.07350	1.2397	.03152	.41281	.73850
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	.10713	.46882	.00419	.02082	.02092	.00614	15.165	
Stddev	.00045	.00491	.00003	.00021	.00003	.00050	.137	
%RSD	.41567	1.0474	.62217	.99841	.15626	8.1487	.90459	
#1	.10687	.46328	.00416	.02061	.02090	.00577	15.009	
#2	.10688	.47055	.00422	.02080	.02095	.00671	15.267	
#3	.10765	.47263	.00419	.02103	.02090	.00594	15.219	

Sample Name: S2 Acquired: 10/14/2024 13:49:27 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	2851.7	55063.	7675.0	2297.9	4871.5
Stddev	3.0	78.	64.5	10.6	3.8
%RSD	.10643	.14197	.84061	.45932	.07829
#1	2849.2	55003.	7749.5	2297.7	4875.5
#2	2850.8	55151.	7638.7	2308.5	4867.9
#3	2855.1	55034.	7636.9	2287.4	4871.1

Sample Name: S3 Acquired: 10/14/2024 13:53:36 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	.14102	.10982	.62748	.25564	.50770	.47459	16.572	.72968
Stddev	.00039	.00151	.00180	.00140	.00113	.00105	.035	.00267
%RSD	.27730	1.3709	.28632	.54614	.22292	.22129	.21084	.36536
#1	.14123	.11142	.62685	.25635	.50859	.47518	16.598	.73203
#2	.14057	.10843	.62608	.25403	.50642	.47521	16.532	.72678
#3	.14126	.10960	.62950	.25653	.50809	.47338	16.586	.73024
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	2.8675	.91692	.09038	1.1184	.53994	.01692	.91349	.23411
Stddev	.0090	.00265	.00035	.0026	.00105	.00004	.00279	.00032
%RSD	.31405	.28870	.38246	.23532	.19371	.24886	.30502	.13778
#1	2.8590	.91572	.09004	1.1164	.53966	.01692	.91351	.23374
#2	2.8664	.91508	.09036	1.1174	.53906	.01688	.91069	.23433
#3	2.8769	.91995	.09073	1.1214	.54110	.01696	.91626	.23426
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	.79929	.18440	.26413	.22857	3.6888	.09196	1.2925	2.2258
Stddev	.00210	.00052	.00073	.00024	.0142	.00049	.0037	.0072
%RSD	.26283	.28235	.27505	.10684	.38596	.52751	.28767	.32480
#1	.79759	.18380	.26331	.22830	3.6790	.09140	1.2964	2.2230
#2	.79864	.18471	.26439	.22865	3.7051	.09229	1.2889	2.2205
#3	.80164	.18468	.26470	.22877	3.6823	.09219	1.2923	2.2340
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	.32566	1.4363	.01261	.06750	.06390	.00504	46.166	
Stddev	.00070	.0016	.00009	.00036	.00008	.00119	.395	
%RSD	.21453	.11055	.67563	.52841	.13243	23.698	.85603	
#1	.32600	1.4354	.01251	.06724	.06381	.00448	45.951	
#2	.32486	1.4353	.01264	.06735	.06395	.00423	45.925	
#3	.32614	1.4381	.01267	.06791	.06396	.00641	46.622	

Sample Name: S3 Acquired: 10/14/2024 13:53:36 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	2882.5	55652.	7501.5	2296.7	4844.8
Stddev	4.1	98.	17.4	15.2	6.1
%RSD	.14346	.17634	.23238	.66104	.12641
#1	2886.1	55764.	7482.2	2299.8	4851.5
#2	2883.4	55614.	7516.2	2280.2	4843.6
#3	2878.0	55579.	7506.0	2310.1	4839.4

Sample Name: S4 Acquired: 10/14/2024 13:57:45 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	.28991	.22290	1.2730	.52552	1.0365	.96036	32.943	1.4351
Stddev	.00026	.00178	.0037	.00115	.0027	.00148	.294	.0067
%RSD	.09059	.79860	.28661	.21795	.25792	.15406	.89201	.46384
#1	.28980	.22487	1.2712	.52419	1.0335	.96189	33.135	1.4428
#2	.28971	.22141	1.2706	.52619	1.0374	.95893	33.090	1.4314
#3	.29021	.22241	1.2772	.52617	1.0387	.96027	32.605	1.4311
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	5.9161	1.8646	.17965	2.2949	1.0894	.03455	1.8198	.47565
Stddev	.0163	.0034	.00074	.0058	.0025	.00005	.0107	.00108
%RSD	.27543	.18085	.41273	.25413	.22749	.14064	.58808	.22776
#1	5.9063	1.8681	.17999	2.2909	1.0867	.03458	1.8321	.47676
#2	5.9072	1.8642	.17880	2.2922	1.0902	.03449	1.8126	.47459
#3	5.9350	1.8614	.18016	2.3016	1.0915	.03456	1.8146	.47559
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	1.6355	.36725	.53138	.46776	7.3568	.18646	2.5312	4.5027
Stddev	.0049	.00079	.00330	.00127	.0351	.00026	.0085	.0140
%RSD	.30078	.21376	.62166	.27216	.47664	.14152	.33543	.31108
#1	1.6323	.36660	.53340	.46902	7.3246	.18627	2.5408	4.4906
#2	1.6331	.36702	.52757	.46779	7.3517	.18635	2.5248	4.4995
#3	1.6412	.36812	.53317	.46648	7.3942	.18676	2.5279	4.5181
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	.66393	2.8933	.02617	.14580	.13578	.06301	92.192	
Stddev	.00112	.0117	.00028	.00032	.00023	.00067	.108	
%RSD	.16891	.40418	1.0706	.22055	.17004	1.0559	.11723	
#1	.66342	2.9068	.02587	.14543	.13552	.06224	92.154	
#2	.66316	2.8867	.02620	.14600	.13587	.06340	92.314	
#3	.66522	2.8864	.02643	.14598	.13596	.06338	92.109	

Sample Name: S4 Acquired: 10/14/2024 13:57:45 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	2732.0	54445.	7462.4	2188.5	4501.4
Stddev	9.8	135.	35.6	11.3	11.2
%RSD	.35844	.24871	.47757	.51670	.24934
#1	2743.3	54492.	7421.3	2197.5	4514.3
#2	2725.9	54550.	7484.8	2192.1	4495.7
#3	2726.7	54292.	7481.0	2175.8	4494.1

Sample Name: S5 Acquired: 10/14/2024 14:02:04 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	.59795	.44949	2.6229	1.0864	2.1481	1.9282	64.051	2.7985
Stddev	.00019	.00072	.0007	.0019	.0007	.0017	.242	.0073
%RSD	.03216	.15924	.02525	.17463	.03454	.08813	.37785	.26152
#1	.59790	.44966	2.6221	1.0866	2.1478	1.9290	64.069	2.7982
#2	.59816	.44870	2.6233	1.0845	2.1474	1.9263	63.801	2.7914
#3	.59778	.45010	2.6232	1.0883	2.1489	1.9294	64.284	2.8060
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	12.135	3.5978	.37427	4.7430	2.1981	.07262	3.4788	.93314
Stddev	.005	.0034	.00078	.0014	.0014	.00019	.0074	.00125
%RSD	.04342	.09521	.20832	.02889	.06372	.26158	.21143	.13360
#1	12.134	3.5999	.37403	4.7426	2.1974	.07261	3.4843	.93211
#2	12.141	3.5938	.37363	4.7445	2.1973	.07243	3.4705	.93278
#3	12.131	3.5996	.37514	4.7418	2.1998	.07281	3.4817	.93453
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	3.3579	.77756	1.1399	.91077	15.028	.40125	5.0861	9.1783
Stddev	.0021	.00049	.0033	.00142	.021	.00095	.0042	.0067
%RSD	.06229	.06335	.28845	.15630	.13979	.23767	.08198	.07305
#1	3.3595	.77799	1.1422	.91128	15.050	.40141	5.0906	9.1739
#2	3.3586	.77702	1.1362	.90916	15.025	.40023	5.0824	9.1749
#3	3.3555	.77768	1.1415	.91187	15.009	.40212	5.0853	9.1860
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	1.3582	5.6426	.07125	.31396	.29120	14.518	181.34	
Stddev	.0006	.0095	.00068	.00093	.00047	.036	.29	
%RSD	.04335	.16806	.94822	.29599	.16266	.24506	.16221	
#1	1.3583	5.6520	.07063	.31321	.29065	14.546	181.28	
#2	1.3587	5.6331	.07115	.31366	.29143	14.478	181.08	
#3	1.3576	5.6428	.07197	.31500	.29151	14.531	181.66	

Sample Name: S5 Acquired: 10/14/2024 14:02:04 Type: Cal
Method: NON EPA-6010-200.7(v2430) 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	2605.0	51034.	7624.7	2025.7	4206.5
Stddev	2.4	42.	14.3	8.5	3.6
%RSD	.09252	.08303	.18736	.42062	.08529
#1	2603.3	51019.	7612.0	2018.4	4202.4
#2	2607.8	51001.	7622.0	2023.6	4209.2
#3	2604.0	51082.	7640.1	2035.0	4207.9

Sample Name: ICV01 Acquired: 10/14/2024 14:06:16 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.9424703	1.015579	.9547891	.9797664	1.003085	2.500623
Stddev	.0023895	.000736	.0012974	.0030891	.002448	.014638
%RSD	.2535350	.0724816	.1358884	.3152851	.2440085	.5853789
#1	.9407280	1.015232	.9554747	.9830513	1.001057	2.502781
#2	.9414886	1.016424	.9532927	.9793279	1.002395	2.514062
#3	.9451943	1.015080	.9556000	.9769201	1.005804	2.485025
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4910573	.5036416	.4764337	9.905447	.5266239	.5074594
Stddev	.0023555	.0034803	.0002553	.026350	.0004151	.0003543
%RSD	.4796819	.6910268	.0535925	.2660138	.0788214	.0698235
#1	.4925660	.5069183	.4762147	9.934951	.5264319	.5078123
#2	.4922628	.5040182	.4763724	9.897132	.5271002	.5071036
#3	.4883430	.4999883	.4767142	9.884257	.5263395	.5074622
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5231927	9.667172	.5025235	5.904661	.5104298	.2515249
Stddev	.0012986	.051991	.0020058	.001349	.0008626	.0003393
%RSD	.2482154	.5378144	.3991419	.0228426	.1690010	.1349089
#1	.5242739	9.623510	.5044947	5.905733	.5108674	.2518903
#2	.5217523	9.653319	.5025908	5.905103	.5094360	.2512196
#3	.5235521	9.724687	.5004848	5.903147	.5109858	.2514649
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.031374	.5043224	1.019210	9.502220	F .0198290	F .0000229
Stddev	.040952	.0031214	.002919	.045591	.0005795	.0001506
%RSD	.4534367	.6189379	.2863917	.4797897	2.922347	656.3906
#1	8.984144	.5078684	1.020054	9.454719	.0203850	.0001187
#2	9.052987	.5031088	1.021615	9.545624	.0192286	.0001009
#3	9.056991	.5019901	1.015963	9.506316	.0198733	-.000151

Sample Name: ICV01 Acquired: 10/14/2024 14:06:16 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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 -.001021	F -.000800	F -.003141	F .0091933	F -.002481	F -.009524
Stddev	.000216	.000506	.005277	.0025175	.001145	.000946
%RSD	21.18523	63.23382	168.0160	27.38419	46.15530	9.929167
#1	-.001255	-.000216	.002948	.0090532	-.003793	-.008459
#2	-.000980	-.001071	-.006392	.0067488	-.001679	-.009845
#3	-.000828	-.001114	-.005977	.0117780	-.001972	-.010266

Elem	Sr4077
Units	ppm
Avg	F -.008282
Stddev	.000041
%RSD	.4966121
#1	-.008323
#2	-.008241
#3	-.008281

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2779.220	55994.93	8069.791	2200.196	4769.915
Stddev	2.967	150.75	39.721	6.876	1.834
%RSD	.1067685	.2692292	.4922228	.3125362	.0384512
#1	2775.824	56132.20	8033.187	2195.763	4768.476
#2	2781.311	56019.01	8064.159	2196.707	4769.288
#3	2780.525	55833.59	8112.029	2208.117	4771.980

Sample Name: LLICV01 Acquired: 10/14/2024 14:18:28 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0189403	.0406273	.0101990	.0193643	.0517555	.1111152
Stddev	.0014581	.0009706	.0002281	.0025224	.0006176	.0014927
%RSD	7.698179	2.389051	2.236469	13.02579	1.193292	1.343335
#1	.0174744	.0417413	.0099410	.0179738	.0512140	.1121964
#2	.0203904	.0401769	.0103739	.0222759	.0516242	.1117369
#3	.0189560	.0399636	.0102821	.0178432	.0524281	.1094121
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0945026	.0062983	.0061182	2.042452	.0097725	.0306156
Stddev	.0003887	.0000229	.0000618	.007366	.0003424	.0002148
%RSD	.4113391	.3642382	1.009662	.3606584	3.503953	.7016446
#1	.0948786	.0063245	.0061762	2.047326	.0101639	.0304024
#2	.0945268	.0062819	.0061252	2.046051	.0095280	.0308320
#3	.0941023	.0062885	.0060533	2.033978	.0096257	.0306124
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0225481	.0958145	.0199892	2.178028	.0407729	.0108166
Stddev	.0003704	.0018285	.0001846	.022087	.0003532	.0001301
%RSD	1.642586	1.908365	.9233965	1.014063	.8663412	1.202952
#1	.0225125	.0973123	.0200039	2.158664	.0406191	.0109647
#2	.0229350	.0963543	.0201659	2.202083	.0411770	.0107207
#3	.0221968	.0937769	.0197977	2.173337	.0405226	.0107644
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.615611	.0403476	.0413074	1.900542	.1006965	.2081402
Stddev	.007797	.0014522	.0004233	.019147	.0004247	.0005830
%RSD	.4826104	3.599212	1.024642	1.007471	.4218035	.2800833
#1	1.607287	.0388604	.0414080	1.880382	.1011857	.2079269
#2	1.622745	.0417620	.0408429	1.902761	.1004217	.2076939
#3	1.616800	.0404204	.0416713	1.918484	.1004821	.2087997

Sample Name: LLICV01 Acquired: 10/14/2024 14:18:28 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0380629	.0391415	F .2702353	.0163102	F .3802126	F -.008948
Stddev	.0002959	.0004902	.0025560	.0006870	.0017095	.002132
%RSD	.7772923	1.252489	.9458523	4.211963	.4496196	23.83054
#1	.0382043	.0386495	.2687977	.0155217	.3788449	-.007839
#2	.0382615	.0391450	.2731864	.0167797	.3796637	-.011406
#3	.0377229	.0396299	.2687218	.0166291	.3821291	-.007598

Elem	Sr4077
Units	ppm
Avg	.0198349
Stddev	.0001007
%RSD	.5077448
#1	.0197507
#2	.0199464
#3	.0198075

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2744.047	56670.60	8023.962	2153.555	4764.832
Stddev	3.088	35.43	20.181	4.809	3.564
%RSD	.1125507	.0625235	.2515052	.2233179	.0747958
#1	2747.613	56694.85	8010.194	2151.096	4768.861
#2	2742.336	56629.94	8014.563	2159.097	4762.093
#3	2742.193	56687.03	8047.127	2150.473	4763.542

Sample Name: ICB01 Acquired: 10/14/2024 14:23:32 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.003077	-.001764	-.000239	-.001893	-.000048	-.001595	-.000269
Stddev	.001844	.002652	.000430	.001766	.000739	.001028	.000538
%RSD	59.91780	150.3409	179.4756	93.29778	1540.510	64.47975	199.7835
#1	-.004072	-.002834	.000186	-.003773	.000478	-.002126	.000350
#2	-.004209	.001256	-.000673	-.001639	-.000892	-.002249	-.000627
#3	-.000950	-.003713	-.000232	-.000268	.000270	-.000410	-.000531
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001094	.0000349	.0105402	.0000666	-.000018	-.000253	.0024294
Stddev	.0000356	.0000876	.0039567	.0002565	.000214	.000250	.0013125
%RSD	32.53430	250.7952	37.53881	385.3877	1219.934	98.83058	54.02434
#1	.0001293	-.000035	.0067356	.0003055	-.000107	-.000085	.0012040
#2	.0001307	.000006	.0146332	-.000204	-.000172	-.000541	.0038143
#3	.0000683	.000133	.0102518	.000099	.000226	-.000134	.0022699
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001280	-.013420	-.000197	.0006713	-.154034	.0005024	-.001161
Stddev	.0002490	.006572	.000220	.0000596	.004941	.0004542	.000078
%RSD	194.4654	48.97309	111.8249	8.878263	3.207826	90.41567	6.684819
#1	.0003856	-.014113	.000056	.0006817	-.148436	.0007583	-.001115
#2	-.000111	-.019618	-.000299	.0007250	-.155882	-.000022	-.001250
#3	.000110	-.006529	-.000348	.0006071	-.157785	.000771	-.001117
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0172815	.0030594	-.000024	.0002678	-.000507	-.004614	-.005423
Stddev	.0264292	.0002384	.000139	.0007099	.000560	.004815	.003041
%RSD	152.9337	7.791241	568.0412	265.0373	110.4455	104.3573	56.08080
#1	-.007451	.0027947	.000070	-.000151	-.000232	-.005862	-.005378
#2	.045131	.0031268	-.000183	.001087	-.000138	.000702	-.008487
#3	.014164	.0032569	.000041	-.000133	-.001152	-.008681	-.002405

Sample Name: ICB01 Acquired: 10/14/2024 14:23:32 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.003767	-.008750	.0000365
Stddev	.003209	.001040	.0000152
%RSD	85.18743	11.88656	41.57222

#1	-.005614	-.008251	.0000266
#2	-.000062	-.009945	.0000289
#3	-.005626	-.008052	.0000539

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2756.271	55915.83	8280.228	2138.106	4837.933
Stddev	7.419	37.21	12.710	7.835	11.173
%RSD	.2691834	.0665484	.1534941	.3664569	.2309560

#1	2751.385	55913.15	8278.771	2136.175	4835.444
#2	2752.620	55880.04	8268.309	2131.417	4828.214
#3	2764.809	55954.32	8293.603	2146.726	4850.141

Sample Name: CRI01 Acquired: 10/14/2024 14:27:53 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0175463	.0403749	.0144159	.0194553	.0513883	.1053758
Stddev	.0017786	.0011551	.0009558	.0006443	.0005219	.0046078
%RSD	10.13669	2.860965	6.630243	3.311729	1.015559	4.372732
#1	.0194972	.0401167	.0143317	.0190875	.0512950	.1002903
#2	.0171265	.0416373	.0154110	.0190791	.0519505	.1065638
#3	.0160151	.0393708	.0135049	.0201993	.0509194	.1092733
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0945563	.0061826	.0061603	2.039115	.0101263	.0304039
Stddev	.0003039	.0001046	.0000512	.003296	.0004522	.0001104
%RSD	.3213799	1.691490	.8303774	.1616182	4.465681	.3630792
#1	.0942058	.0060621	.0061827	2.037482	.0096241	.0304676
#2	.0947466	.0062361	.0061965	2.042909	.0105012	.0302764
#3	.0947165	.0062496	.0061018	2.036956	.0102536	.0304677
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0226917	.0982968	.0196305	2.179768	.0402559	.0128562
Stddev	.0001129	.0035093	.0001143	.012664	.0001454	.0004072
%RSD	.4976062	3.570138	.5820138	.5809842	.3612051	3.167081
#1	.0227911	.1012373	.0196039	2.189260	.0402429	.0129511
#2	.0227151	.0944119	.0195319	2.184655	.0401175	.0124099
#3	.0225689	.0992412	.0197557	2.165388	.0404074	.0132075
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.635931	.0403293	.0417569	1.954162	.0952072	.2103042
Stddev	.013865	.0007496	.0001457	.007624	.0004439	.0001824
%RSD	.8475341	1.858683	.3490260	.3901212	.4662559	.0867370
#1	1.651851	.0397924	.0416593	1.951938	.0951094	.2102861
#2	1.626500	.0400097	.0419245	1.947897	.0956918	.2104950
#3	1.629443	.0411857	.0416871	1.962650	.0948203	.2101315

Sample Name: CRI01 Acquired: 10/14/2024 14:27:53 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0380461	.0382173	F .2782784	.0166052	F .3723599	F -.007726
Stddev	.0001657	.0004698	.0023828	.0014013	.0027301	.001064
%RSD	.4356525	1.229342	.8562676	8.439004	.7331831	13.77241
#1	.0380294	.0381245	.2758232	.0171809	.3750960	-.008133
#2	.0382195	.0378009	.2805816	.0150078	.3723477	-.006519
#3	.0378893	.0387266	.2784304	.0176270	.3696359	-.008527

Elem	Sr4077
Units	ppm
Avg	.0198196
Stddev	.0000532
%RSD	.2686390
#1	.0198807
#2	.0197828
#3	.0197953

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2749.144	56420.12	8285.460	2136.117	4805.951
Stddev	5.724	85.58	23.100	3.896	7.467
%RSD	.2081959	.1516856	.2788064	.1823746	.1553781
#1	2743.236	56321.32	8263.961	2136.220	4799.188
#2	2754.664	56471.01	8282.536	2139.960	4813.965
#3	2749.530	56468.04	8309.883	2132.171	4804.699

Sample Name: ICSA01 Acquired: 10/14/2024 14:32:12 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0013232	-.002287	.0093136	-.019400	-.001784	260.5506
Stddev	.0016838	.003034	.0007136	.002075	.000292	.7144
%RSD	127.2528	132.6866	7.662204	10.69785	16.35001	.2741959
#1	.0016363	-.000628	.0101187	-.018042	-.001518	261.3624
#2	.0028284	-.005789	.0090635	-.021789	-.001739	260.0178
#3	-.000495	-.000444	.0087587	-.018370	-.002096	260.2715
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029647	.0028530	.0061014	238.5003	.0599819	.0020177
Stddev	.0005968	.0000800	.0000771	.3882	.0004607	.0000680
%RSD	20.13029	2.803983	1.263835	.1627497	.7681272	3.369502
#1	.0023192	.0028070	.0061029	238.4980	.0603558	.0020793
#2	.0030785	.0028067	.0060235	238.1133	.0594672	.0019448
#3	.0034965	.0029454	.0061777	238.8896	.0601228	.0020291
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0209154	98.83410	-.004642	262.4049	.0033350	-.004614
Stddev	.0006643	.24841	.000112	.6642	.0003113	.000367
%RSD	3.176067	.2513358	2.416409	.2531235	9.335015	7.946258
#1	.0213635	98.96306	-.004529	262.1825	.0030182	-.004191
#2	.0212306	98.54774	-.004754	261.8805	.0033464	-.004812
#3	.0201522	98.99151	-.004642	263.1518	.0036405	-.004838
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.075811	.0099219	.0044589	.0976639	.0240228	-.000108
Stddev	.006625	.0004781	.0001899	.0221674	.0010748	.000268
%RSD	8.738501	4.819005	4.257698	22.69767	4.474163	248.7344
#1	-.074566	.0095364	.0044642	.1200369	.0228067	-.000383
#2	-.082970	.0104570	.0042665	.0757079	.0244162	-.000092
#3	-.069898	.0097725	.0046461	.0972469	.0248456	.000152

Sample Name: ICSA01 Acquired: 10/14/2024 14:32:12 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.002353	-.003521	.0062984	-.004726	-.010922	F -.045887
Stddev	.001331	.000995	.0030024	.003168	.002707	.000782
%RSD	56.58938	28.26752	47.66987	67.03634	24.78708	1.704175
#1	-.000933	-.003315	.0096952	-.006249	-.007970	-.046014
#2	-.003573	-.002644	.0039990	-.001084	-.013289	-.046598
#3	-.002552	-.004603	.0052010	-.006845	-.011506	-.045050

Elem	Sr4077
Units	ppm
Avg	-.002364
Stddev	.000004
%RSD	.1529148
#1	-.002361
#2	-.002364
#3	-.002368

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2413.194	48729.37	7847.773	1822.080	3897.310
Stddev	5.362	47.37	6.391	4.130	8.812
%RSD	.2221760	.0972009	.0814404	.2266444	.2260944
#1	2413.735	48769.85	7843.488	1824.288	3895.492
#2	2418.265	48740.99	7844.711	1817.316	3906.889
#3	2407.583	48677.28	7855.119	1824.636	3889.550

Sample Name: ICSAB01 Acquired: 10/14/2024 14:39:31 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0979360	.0755540	.0571219	.0296892	.6312344	255.2322
Stddev	.0014274	.0003610	.0010227	.0040723	.0032189	1.7170
%RSD	1.457443	.4777850	1.790438	13.71623	.5099366	.6727225
#1	.0976241	.0758812	.0560295	.0302187	.6277952	255.0969
#2	.0994935	.0751667	.0580568	.0253781	.6341747	257.0128
#3	.0966903	.0756141	.0572793	.0334709	.6317332	253.5868
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4670595	.4822824	.9474725	232.8805	.5765978	.5059306
Stddev	.0003446	.0031642	.0005229	.6467	.0021142	.0006501
%RSD	.0737801	.6560906	.0551864	.2776871	.3666621	.1284866
#1	.4674428	.4837486	.9477503	233.6239	.5787089	.5052433
#2	.4667751	.4844475	.9477979	232.5700	.5766040	.5065355
#3	.4669607	.4786510	.9468694	232.4477	.5744806	.5060131
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5120243	97.75407	.4488925	255.1524	.9957654	.2167558
Stddev	.0012635	.63603	.0017662	.6690	.0002551	.0011221
%RSD	.2467608	.6506409	.3934592	.2622079	.0256160	.5176996
#1	.5105909	98.00126	.4508444	255.8706	.9959554	.2180324
#2	.5125058	97.03156	.4484282	255.0396	.9954755	.2163096
#3	.5129763	98.22940	.4474048	254.5469	.9958654	.2159254
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.113118	.4917574	1.083644	-.000982	F .0219873	F -.000084
Stddev	.021327	.0021929	.004136	.033796	.0006484	.000295
%RSD	18.85406	.4459267	.3816497	3441.712	2.948949	350.4753
#1	-.136355	.4902713	1.079160	.002275	.0218147	.000247
#2	-.094436	.4942759	1.084463	-.036289	.0214428	-.000181
#3	-.108563	.4907250	1.087309	.031068	.0227046	-.000318

Sample Name: ICSAB01 Acquired: 10/14/2024 14:39:31 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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 -.003120	F -.005469	F -.006234	F .0093013	F -.016321	F -.046508
Stddev	.000838	.000252	.008256	.0033422	.003592	.001994
%RSD	26.84611	4.608853	132.4341	35.93228	22.00602	4.287615
#1	-.003786	-.005178	-.015310	.0120456	-.019968	-.048418
#2	-.003394	-.005607	.000828	.0055793	-.016206	-.046667
#3	-.002180	-.005622	-.004220	.0102791	-.012787	-.044440

Elem	Sr4077
Units	ppm
Avg	F -.003236
Stddev	.000505
%RSD	15.60327
#1	-.003307
#2	-.002700
#3	-.003703

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2405.548	48778.47	8020.942	1815.561	3903.412
Stddev	3.680	144.97	41.935	6.228	2.988
%RSD	.1529766	.2972095	.5228134	.3430098	.0765539
#1	2408.225	48627.92	7986.588	1814.406	3906.368
#2	2407.068	48917.14	8008.566	1822.285	3903.474
#3	2401.352	48790.35	8067.672	1809.992	3900.393

Sample Name: CCV01 Acquired: 10/14/2024 14:43:46 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.141874	4.527341	5.086937	5.316027	5.226199	10.37342
Stddev	.015463	.035996	.008203	.009909	.006915	.02496
%RSD	.3007263	.7950743	.1612486	.1863981	.1323052	.2406276
#1	5.125906	4.518724	5.090746	5.306120	5.222572	10.35471
#2	5.142939	4.566863	5.092542	5.316022	5.221853	10.40176
#3	5.156776	4.496435	5.077522	5.325938	5.234172	10.36379
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.520968	.2501908	2.507284	25.25835	1.023786	2.528917
Stddev	.039585	.0005237	.003711	.03495	.001018	.001437
%RSD	.4157689	.2093036	.1480213	.1383596	.0994765	.0568401
#1	9.481360	.2507767	2.507388	25.29803	1.024511	2.527915
#2	9.521013	.2500276	2.510942	25.23215	1.022622	2.530564
#3	9.560531	.2497683	2.503522	25.24487	1.024225	2.528272
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.303100	4.799866	2.402241	25.55736	2.536526	1.252792
Stddev	.002241	.017010	.006020	.04663	.002172	.000758
%RSD	.1719772	.3543862	.2506183	.1824598	.0856168	.0605424
#1	1.301107	4.809197	2.403402	25.60901	2.535224	1.253365
#2	1.302667	4.780232	2.395725	25.51836	2.539033	1.251932
#3	1.305526	4.810167	2.407597	25.54471	2.535320	1.253081
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.02124	2.569237	2.580460	24.64315	4.835339	5.267445
Stddev	.08935	.000628	.000962	.07286	.004557	.010595
%RSD	.3881275	.0244413	.0372712	.2956754	.0942404	.2011336
#1	22.95308	2.569940	2.581527	24.56309	4.839958	5.256085
#2	22.98824	2.568732	2.579660	24.66077	4.835214	5.269192
#3	23.12240	2.569040	2.580193	24.70559	4.830846	5.277057

Sample Name: CCV01 Acquired: 10/14/2024 14:43:46 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	4.941704	4.995962	4.514464	5.283849	4.973853	F -.001109
Stddev	.010332	.005584	.037323	.014473	.016959	.000733
%RSD	.2090789	.1117696	.8267463	.2739133	.3409699	66.14081
#1	4.938102	4.990698	4.481250	5.268102	4.967280	-.001771
#2	4.953354	4.995370	4.507289	5.296568	4.993116	-.000320
#3	4.933654	5.001819	4.554855	5.286879	4.961165	-.001235

Elem	Sr4077
Units	ppm
Avg	4.871726
Stddev	.009834
%RSD	.2018607
#1	4.869761
#2	4.882395
#3	4.863023

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2567.840	53147.62	7735.903	1962.173	4299.424
Stddev	6.450	62.99	26.426	3.343	3.312
%RSD	.2511667	.1185210	.3415956	.1703884	.0770427
#1	2571.969	53080.02	7706.786	1959.255	4302.920
#2	2571.142	53204.68	7742.560	1965.821	4299.020
#3	2560.407	53158.16	7758.363	1961.443	4296.332

Sample Name: CCB01 Acquired: 10/14/2024 14:47:57 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001354	.0013592	-.000207	-.001004	-.000365	-.000337
Stddev	.001199	.0008530	.000383	.001139	.000973	.005419
%RSD	88.52340	62.75778	185.2533	113.4062	266.3796	1608.923

#1	-.000818	.0012274	-.000462	.000304	-.000365	-.006506
#2	-.002727	.0005798	-.000391	-.001777	-.001338	.003655
#3	-.000517	.0022704	.000233	-.001539	.000608	.001841

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001954	.0001078	.0000826	.0092190	.0004409	-.000067
Stddev	.000974	.0000497	.0000316	.0013273	.0002749	.000125
%RSD	49.86530	46.15480	38.25176	14.39750	62.34684	186.4041

#1	-.002717	.0001113	.0000461	.0106446	.0001622	-.000175
#2	-.002288	.0001556	.0001003	.0089934	.0004487	-.000095
#3	-.000856	.0000563	.0001014	.0080189	.0007119	.000070

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000135	-.000174	-.000128	-.002157	-.000009	.0008508
Stddev	.000044	.003186	.000047	.005154	.000079	.0003715
%RSD	33.01357	1834.314	36.84812	238.9495	861.5193	43.66233

#1	-.000166	-.002807	-.000180	-.000019	.000082	.0006159
#2	-.000084	-.001081	-.000114	.001584	-.000047	.0006574
#3	-.000153	.003368	-.000089	-.008036	-.000062	.0012790

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.181034	.0009151	-.001155	-.039259	.0064061	.0003216
Stddev	.000988	.0004571	.000214	.026149	.0001199	.0000313
%RSD	.5459238	49.94755	18.54175	66.60754	1.871859	9.740656

#1	-.180352	.0004345	-.001254	-.037395	.0065087	.0003505
#2	-.180582	.0009665	-.000909	-.066291	.0064352	.0003261
#3	-.182167	.0013442	-.001301	-.014092	.0062743	.0002883

Sample Name: CCB01 Acquired: 10/14/2024 14:47:57 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000077	.0008435	-.005596	-.006286	-.005755	F -.010401
Stddev	.000466	.0008140	.003882	.001107	.002820	.000122
%RSD	607.5689	96.49997	69.38095	17.61786	49.00362	1.171647
#1	.000165	.0009186	-.008945	-.007516	-.002788	-.010333
#2	.000219	-.000005	-.001341	-.005974	-.008401	-.010541
#3	-.000614	.001617	-.006501	-.005368	-.006075	-.010327

Elem	Sr4077
Units	ppm
Avg	.0000647
Stddev	.0000365
%RSD	56.41642
#1	.0000592
#2	.0001037
#3	.0000313

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2782.011	55980.33	8080.378	2087.055	4996.736
Stddev	7.429	144.94	2.370	7.159	11.970
%RSD	.2670310	.2589129	.0293282	.3430009	.2395658
#1	2774.818	55834.51	8077.720	2078.885	4985.782
#2	2781.560	55982.11	8081.144	2090.055	4994.913
#3	2789.655	56124.38	8082.270	2092.226	5009.514

Sample Name: LR1 Acquired: 10/14/2024 14:53:19 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0331825	-.063857	.0464971	-.282735	-.005583	2032.793	.0054878
Stddev	.0082589	.002969	.0039396	.008464	.008482	9.861	.0005623
%RSD	24.88939	4.649060	8.472882	2.993594	151.9209	.4850739	10.24600
#1	.0426176	-.063326	.0449821	-.273024	.002003	2022.896	.0061117
#2	.0296672	-.061190	.0435398	-.286635	-.014741	2032.864	.0053314
#3	.0272629	-.067055	.0509693	-.288546	-.004011	2042.617	.0050202
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0196260	.1321036	1975.471	.0106216	.0423168	.1866229	1039.992
Stddev	.0000564	.0008697	16.701	.0002726	.0008011	.0062698	10.547
%RSD	.2872375	.6583423	.8454269	2.566629	1.893130	3.359604	1.014115
#1	.0196647	.1317172	1993.929	.0103896	.0416143	.1801468	1051.553
#2	.0195613	.1314941	1971.078	.0109219	.0421467	.1870582	1037.525
#3	.0196519	.1330995	1961.405	.0105534	.0431892	.1926637	1030.897
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.167073	1658.496	.0215807	-.063605	2097.539	.0856314	.1739176
Stddev	.001149	15.290	.0002171	.001538	16.883	.0019055	.0024427
%RSD	.6877197	.9219167	1.006160	2.418358	.8048938	2.225287	1.404515
#1	-.168394	1676.082	.0214700	-.061914	2111.759	.0860177	.1715037
#2	-.166517	1648.347	.0214412	-.063979	2078.880	.0873143	.1738610
#3	-.166307	1651.060	.0218308	-.064921	2101.977	.0835624	.1763881
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1408.215	.2681820	-.006429	.0175211	-.052028	.1146685	.0959948
Stddev	9.481	.0120875	.000743	.0039413	.001027	.0107563	.0090189
%RSD	.6732595	4.507200	11.56109	22.49458	1.974607	9.380309	9.395253
#1	1418.368	.2813071	-.006902	.0190886	-.050970	.1243749	.1061791
#2	1406.683	.2657312	-.005573	.0204374	-.052094	.1031044	.0927871
#3	1399.593	.2575077	-.006813	.0130372	-.053022	.1165263	.0890182

Sample Name: LR1 Acquired: 10/14/2024 14:53:19 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.238247	-.323272	-1.02913
Stddev	.022524	.003187	.01053
%RSD	9.454089	.9857713	1.023652

#1	-.255470	-.326942	-1.04069
#2	-.246514	-.321208	-1.02663
#3	-.212758	-.321667	-1.02007

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1611.486	34539.33	6664.433	1207.317	2431.635
Stddev	2.824	25.44	12.666	3.525	2.904
%RSD	.1752369	.0736428	.1900599	.2919875	.1194226

#1	1611.402	34559.58	6649.900	1210.935	2434.750
#2	1614.351	34510.78	6673.129	1207.124	2431.151
#3	1608.705	34547.62	6670.269	1203.892	2429.003

Sample Name: LR2 Acquired: 10/14/2024 14:58:16 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0074625	.0433366	251.5341	.0089901	.0009889	.0847963	^F *****
Stddev	.0004056	.0013240	.0191	.0007591	.0011943	.0085658	-----
%RSD	5.435799	3.055065	.0075875	8.443486	120.7650	10.10161	-----

#1	.0071038	.0420600	251.5277	.0081154	.0019675	.0937320	^ -----
#2	.0073810	.0447033	251.5191	.0093784	.0013411	.0840010	67.42093
#3	.0079027	.0432465	251.5556	.0094765	-.000342	.0766558	^ -----

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004045	-.005322	.2647813	.0192470	-.012116	237.0887	-.006848
Stddev	.000057	.000088	.0099974	.0002092	.000211	1.4478	.001392
%RSD	1.420804	1.658133	3.775727	1.086847	1.742668	.6106366	20.32435

#1	-.004097	-.005277	.2715756	.0192156	-.012315	238.1984	-.006156
#2	-.003983	-.005264	.2694666	.0194701	-.011894	237.6168	-.005938
#3	-.004055	-.005423	.2533017	.0190553	-.012138	235.4511	-.008450

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.50797	-.085521	50.37645	.0048333	.0479801	-.019201	36.65067
Stddev	.26003	.006473	.00349	.0002526	.0153345	.001440	.17745
%RSD	.5473361	7.569492	.0069184	5.227020	31.96008	7.499476	.4841636

#1	47.80655	-.079408	50.37993	.0046366	.0621821	-.017745	36.52217
#2	47.33122	-.084851	50.37296	.0051183	.0500373	-.019233	36.57671
#3	47.38614	-.092303	50.37646	.0047452	.0317209	-.020624	36.85314

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2455801	.0008269	-.007589	-.000720	-.057705	-.010621	3.737036
Stddev	.0302017	.0007616	.000094	.000133	.000422	.000989	.028346
%RSD	12.29812	92.09758	1.241637	18.52561	.7317462	9.309819	.7585091

#1	.2681959	.0012988	-.007500	-.000680	-.057226	-.009596	3.766490
#2	.2572623	.0012335	-.007581	-.000611	-.057868	-.011569	3.734672
#3	.2112822	-.000052	-.007688	-.000869	-.058022	-.010698	3.709947

Sample Name: LR2 Acquired: 10/14/2024 14:58:16 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.023615	-.010539	.0019507
Stddev	.001432	.000914	.0000293
%RSD	6.062626	8.671001	1.500224

#1	-.023871	-.011250	.0019624
#2	-.024901	-.009508	.0019174
#3	-.022072	-.010858	.0019723

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2218.062	56076.46	8756.283	1912.520	4598.179
Stddev	5.429	58.50	17.341	10.835	4.648
%RSD	.2447682	.1043218	.1980357	.5665286	.1010811

#1	2214.989	56044.06	8737.692	1920.649	4603.426
#2	2214.866	56041.33	8772.019	1900.219	4596.534
#3	2224.331	56144.00	8759.137	1916.693	4594.577

Sample Name: P4258-03 Acquired: 10/14/2024 15:05:17 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0377489	-.066867	.8893329	-.064698	.0019500	104.0355
Stddev	.0021290	.002678	.0004517	.002087	.0004425	.3353
%RSD	5.639808	4.004688	.0507937	3.225063	22.69132	.3223147

#1	.0398450	-.066083	.8893886	-.063908	.0018045	104.1820
#2	.0378130	-.064668	.8888559	-.063123	.0015987	103.6519
#3	.0355886	-.069849	.8897542	-.067065	.0024470	104.2727

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.196918	.0175027	.0401318	26.35707	.2240953	.1796529
Stddev	.004911	.0001333	.0000990	.03504	.0005403	.0002532
%RSD	.4103327	.7612933	.2467008	.1329371	.2411037	.1409419

#1	1.199549	.0175795	.0400235	26.38709	.2235775	.1795139
#2	1.191252	.0175799	.0402178	26.31857	.2240529	.1799452
#3	1.199954	.0173489	.0401540	26.36554	.2246556	.1794997

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4232598	254.5692	3.419403	43.47665	.4468271	-.012319
Stddev	.0011691	.6589	.011913	.07146	.0004601	.000209
%RSD	.2762153	.2588176	.3483931	.1643632	.1029764	1.693429

#1	.4237561	254.5292	3.430513	43.55273	.4463268	-.012559
#2	.4219244	255.2472	3.406823	43.41094	.4469225	-.012210
#3	.4240989	253.9313	3.420872	43.46629	.4472321	-.012187

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.930460	.3243817	.7329148	13.28361	.0600231	.0029858
Stddev	.025623	.0013114	.0035258	.09278	.0030403	.0001752
%RSD	1.327298	.4042881	.4810708	.6984577	5.065139	5.866240

#1	1.902384	.3248907	.7322817	13.17655	.0616540	.0031510
#2	1.936412	.3228920	.7297484	13.33384	.0618998	.0030042
#3	1.952582	.3253623	.7367143	13.34044	.0565154	.0028022

Sample Name: P4258-03 Acquired: 10/14/2024 15:05:17 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0587927	2.473985	F 12.88636	6.480120	.6112308	.4286282
Stddev	.0009026	.006768	.07323	.038745	.0019648	.0005560
%RSD	1.535317	.2735823	.5682509	.5979059	.3214516	.1297208
#1	.0580826	2.480074	12.80334	6.459542	.6103534	.4287335
#2	.0598085	2.466697	12.91398	6.456006	.6098576	.4280271
#3	.0584870	2.475184	12.94176	6.524812	.6134815	.4291241

Elem	Sr4077
Units	ppm
Avg	-.057680
Stddev	.001378
%RSD	2.389257
#1	-.057450
#2	-.059159
#3	-.056431

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3521.278	73483.16	10710.45	2663.121	4193.763
Stddev	4.360	54.22	63.67	13.197	2.877
%RSD	.1238290	.0737833	.5945085	.4955331	.0686007
#1	3518.296	73502.87	10638.57	2649.610	4196.304
#2	3519.257	73421.84	10759.79	2675.979	4190.639
#3	3526.283	73524.75	10732.99	2663.774	4194.344

Sample Name: CCV02 Acquired: 10/14/2024 15:09:27 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.848088	5.387209	4.825661	5.064874	5.001366	10.11584
Stddev	.007461	.028813	.002981	.014803	.008790	.02939
%RSD	.1538921	.5348434	.0617677	.2922649	.1757566	.2905461
#1	4.846882	5.387874	4.822314	5.054735	4.992154	10.14032
#2	4.841303	5.358069	4.826638	5.058027	5.002282	10.12394
#3	4.856077	5.415684	4.828030	5.081861	5.009663	10.08324
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.109431	.2462348	2.386928	24.31255	.9901783	2.411063
Stddev	.031154	.0013767	.002121	.02369	.0029571	.001605
%RSD	.3419944	.5591019	.0888611	.0974589	.2986384	.0665860
#1	9.077734	.2458801	2.385057	24.28946	.9933827	2.409361
#2	9.140012	.2477542	2.386494	24.33680	.9895974	2.411278
#3	9.110548	.2450702	2.389232	24.31139	.9875548	2.412550
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.243842	4.554785	2.296335	24.69665	2.413615	1.199138
Stddev	.001798	.025566	.010374	.03502	.003284	.001401
%RSD	.1445751	.5613015	.4517597	.1417949	.1360411	.1168691
#1	1.244710	4.580347	2.291923	24.68893	2.410277	1.200470
#2	1.241775	4.529215	2.308185	24.66614	2.413725	1.197676
#3	1.245042	4.554792	2.288896	24.73488	2.416841	1.199266
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.51069	2.475817	2.436726	23.17627	4.739384	5.109709
Stddev	.04963	.002689	.001989	.02410	.025145	.007117
%RSD	.1945611	.1085996	.0816428	.1039661	.5305574	.1392790
#1	25.49315	2.476697	2.434431	23.19242	4.731251	5.108383
#2	25.56672	2.477955	2.437780	23.14857	4.767589	5.103349
#3	25.47222	2.472798	2.437966	23.18780	4.719312	5.117396

Sample Name: CCV02 Acquired: 10/14/2024 15:09:27 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.676885	4.782272	F 4.268594	4.972685	4.635321	F .0629583
Stddev	.009592	.014801	.029956	.022990	.017986	.0010781
%RSD	.2050966	.3095025	.7017778	.4623288	.3880181	1.712447
#1	4.669219	4.773682	4.252908	4.962660	4.620518	.0617861
#2	4.673795	4.799363	4.249738	4.956411	4.630107	.0639074
#3	4.687642	4.773772	4.303136	4.998986	4.655337	.0631815

Elem	Sr4077
Units	ppm
Avg	4.650934
Stddev	.025749
%RSD	.5536241
#1	4.633731
#2	4.680537
#3	4.638535

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2652.537	54665.74	7748.150	1970.929	4482.819
Stddev	5.981	123.08	34.091	4.421	9.276
%RSD	.2254678	.2251565	.4399874	.2243165	.2069203
#1	2651.130	54527.91	7752.846	1974.646	4482.987
#2	2659.095	54764.69	7711.954	1972.102	4492.010
#3	2647.385	54704.63	7779.649	1966.040	4473.460

Sample Name: CCB02 Acquired: 10/14/2024 15:13:39 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.003233	.0013499	-.000070	.0011287	.0002074	.0010294	-.002706
Stddev	.001355	.0014871	.001112	.0004251	.0007779	.0053838	.000032
%RSD	41.90645	110.1574	1577.401	37.66172	375.0303	522.9929	1.187312
#1	-.003534	.0023720	-.000979	.0013000	-.000427	.0045747	-.002694
#2	-.004412	.0020338	.001169	.0006447	.001076	.0036794	-.002682
#3	-.001753	-.000356	-.000402	.0014414	-.000027	-.005166	-.002743
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001590	.0000252	.0135989	.0003271	-.000053	-.000067	.0027450
Stddev	.0000051	.0000479	.0052894	.0002163	.000130	.000080	.0013768
%RSD	3.236182	190.3770	38.89554	66.12617	242.9337	120.0287	50.15728
#1	.0001532	-.000026	.0124717	.0004227	-.000165	.000025	.0011698
#2	.0001627	.000069	.0193611	.0000795	-.000084	-.000120	.0037190
#3	.0001612	.000033	.0089640	.0004791	.000089	-.000106	.0033462
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000415	-.008248	.0000079	.0010178	-.074209	.0005698	-.001009
Stddev	.0001872	.004073	.0002361	.0001721	.008295	.0022594	.000348
%RSD	450.8480	49.38257	2991.711	16.90504	11.17796	396.5241	34.47139
#1	-.000175	-.003624	.0000787	.0008889	-.071732	.0010198	-.001211
#2	.000145	-.009812	.0002004	.0012132	-.083460	.0025703	-.000607
#3	.000154	-.011306	-.000256	.0009513	-.067435	-.001881	-.001209
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1474408	.0050002	.0002971	-.000667	.0000229	-.010917	-.006538
Stddev	.0114544	.0002866	.0001084	.000274	.0006902	.002161	.002770
%RSD	7.768831	5.732192	36.47939	41.11396	3019.869	19.79393	42.37129
#1	.1452412	.0048560	.0002189	-.000920	.0001265	-.008428	-.003393
#2	.1372456	.0048144	.0002517	-.000375	-.000713	-.012015	-.008616
#3	.1598354	.0053303	.0004208	-.000706	.000655	-.012309	-.007607

Sample Name: CCB02 Acquired: 10/14/2024 15:13:39 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.002159	-.008795	.0000686
Stddev	.002562	.001352	.0000394
%RSD	118.6714	15.37291	57.43263

#1	-.002086	-.008613	.0000529
#2	-.004756	-.007544	.0000395
#3	.000366	-.010230	.0001135

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2735.162	56834.03	8344.408	2081.346	4839.839
Stddev	2.067	68.05	10.275	6.746	5.454
%RSD	.0755855	.1197357	.1231367	.3241109	.1126809

#1	2734.729	56903.16	8353.511	2089.044	4837.615
#2	2737.412	56831.80	8333.267	2078.526	4846.053
#3	2733.345	56767.12	8346.448	2076.467	4835.848

Sample Name: P4354-01 Acquired: 10/14/2024 15:19:37 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.003650	-.008848	.1707962	.0034577	.0037669	2.739284
Stddev	.002308	.001283	.0018405	.0006099	.0009564	.013203
%RSD	63.24193	14.50452	1.077614	17.63845	25.38879	.4819824

#1	-.006244	-.009242	.1723403	.0029853	.0048142	2.754041
#2	-.002885	-.009888	.1687595	.0032417	.0029401	2.735223
#3	-.001821	-.007414	.1712888	.0041462	.0035462	2.728589

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0299140	.0002070	.0004023	9.093175	.0400500	.0050091
Stddev	.0004686	.0000432	.0000502	.021866	.0002522	.0002467
%RSD	1.566552	20.85875	12.46769	.2404694	.6297700	4.924054

#1	.0300329	.0002565	.0003768	9.111040	.0401651	.0052903
#2	.0293974	.0001769	.0003700	9.099695	.0402241	.0048295
#3	.0303117	.0001876	.0004601	9.068791	.0397607	.0049074

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0471360	5.515847	.1070739	1.383205	.0093348	.0007105
Stddev	.0006402	.007543	.0007016	.010583	.0000693	.0001695
%RSD	1.358257	.1367505	.6552444	.7650815	.7419249	23.85690

#1	.0477856	5.510089	.1075985	1.395327	.0092733	.0008934
#2	.0465055	5.524386	.1073462	1.378480	.0093212	.0005587
#3	.0471168	5.513067	.1062769	1.375808	.0094098	.0006796

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	654.9995	.0371009	.2013748	776.6576	.1193905	.0103356
Stddev	.8573	.0016227	.0008291	2.4423	.0004426	.0003285
%RSD	.1308909	4.373829	.4117151	.3144593	.3707315	3.178072

#1	654.6186	.0358451	.2021609	777.3068	.1199016	.0107146
#2	655.9812	.0389332	.2005085	773.9563	.1191336	.0101588
#3	654.3986	.0365245	.2014549	778.7097	.1191363	.0101334

Sample Name: P4354-01 Acquired: 10/14/2024 15:19:37 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0215536	.0645770	F 12.95287	.4968110	F 21.32387	.5937227
Stddev	.0002459	.0003529	.02836	.0018687	.05449	.0047994
%RSD	1.141076	.5464453	.2189279	.3761457	.2555194	.8083581
#1	.0214566	.0648795	12.98373	.4989631	21.38299	.5989542
#2	.0213709	.0646622	12.94690	.4955985	21.27567	.5895233
#3	.0218332	.0641893	12.92796	.4958715	21.31294	.5926907

Elem	Sr4077
Units	ppm
Avg	.1248323
Stddev	.0007492
%RSD	.6001928
#1	.1256053
#2	.1247824
#3	.1241093

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2314.225	47875.14	8078.496	1735.489	3771.231
Stddev	10.639	156.25	38.087	1.988	17.158
%RSD	.4597200	.3263779	.4714583	.1145219	.4549748
#1	2302.998	47720.55	8035.607	1737.760	3751.620
#2	2324.157	47871.88	8091.512	1734.064	3783.476
#3	2315.520	48033.00	8108.368	1734.644	3778.597

Sample Name: P4354-01DUP Acquired: 10/14/2024 15:24:09 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.003629	-.007147	.1667681	.0015147	.0045214	2.727041
Stddev	.004691	.002362	.0012851	.0011586	.0005056	.001522
%RSD	129.2632	33.05050	.7705581	76.49368	11.18285	.0558110
#1	-.008079	-.006493	.1658516	.0028299	.0046456	2.728793
#2	.001271	-.005181	.1682370	.0010692	.0049533	2.726284
#3	-.004078	-.009767	.1662159	.0006448	.0039652	2.726045
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0281450	.0001682	.0003952	8.895600	.0403930	.0049504
Stddev	.0004656	.0000610	.0000422	.014845	.0009376	.0000524
%RSD	1.654122	36.26125	10.67783	.1668797	2.321240	1.057883
#1	.0281727	.0001738	.0003587	8.878491	.0394202	.0050104
#2	.0285960	.0001046	.0004414	8.903243	.0412910	.0049262
#3	.0276662	.0002262	.0003854	8.905067	.0404677	.0049145
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0458775	5.591503	.1037651	1.361853	.0095632	.0008623
Stddev	.0001168	.018770	.0004070	.003904	.0000981	.0003001
%RSD	.2545190	.3356853	.3921854	.2866993	1.025676	34.80552
#1	.0459331	5.607332	.1042179	1.358251	.0096743	.0009889
#2	.0459560	5.596410	.1036478	1.366002	.0095266	.0010783
#3	.0457433	5.570767	.1034297	1.361307	.0094886	.0005196
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	657.8724	.0377514	.2029634	790.9159	.1149174	.0101803
Stddev	8.2768	.0003903	.0016966	2.9210	.0010645	.0001609
%RSD	1.258112	1.033892	.8359191	.3693206	.9263482	1.580025
#1	666.9750	.0373017	.2042736	794.2481	.1161131	.0102242
#2	655.8433	.0379495	.2035697	789.7020	.1140728	.0103147
#3	650.7989	.0380029	.2010470	788.7976	.1145661	.0100021

Sample Name: P4354-01DUP Acquired: 10/14/2024 15:24:09 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0209433	.0649210	F 13.29236	.4852529	F 20.59542	.5812032
Stddev	.0003692	.0006193	.04929	.0021706	.01246	.0046370
%RSD	1.762784	.9539485	.3708337	.4473193	.0605133	.7978275
#1	.0213672	.0651574	13.34889	.4834725	20.60950	.5857682
#2	.0207705	.0653873	13.26978	.4846152	20.58583	.5813441
#3	.0206922	.0642183	13.25840	.4876709	20.59092	.5764974

Elem	Sr4077
Units	ppm
Avg	.1224557
Stddev	.0006233
%RSD	.5089721
#1	.1228730
#2	.1227549
#3	.1217393

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2327.564	47342.19	8327.389	1703.898	3816.034
Stddev	11.502	238.90	21.904	11.233	14.375
%RSD	.4941541	.5046343	.2630412	.6592733	.3766991
#1	2326.346	47140.17	8318.946	1693.543	3814.109
#2	2316.720	47280.52	8310.963	1702.309	3802.719
#3	2339.626	47605.89	8352.259	1715.840	3831.274

Sample Name: P4354-01LX5 Acquired: 10/14/2024 15:28:40 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.003314	-.001367	.0364375	.0003625	.0007716	.6031977	-.007678
Stddev	.001293	.002441	.0012757	.0014108	.0010055	.0080937	.000609
%RSD	39.02044	178.5604	3.501178	389.1965	130.3118	1.341801	7.935988
#1	-.001834	-.000960	.0350700	.0005734	-.000384	.6062389	-.007838
#2	-.004226	-.003986	.0366468	.0016559	.001443	.6093303	-.008192
#3	-.003883	.000845	.0375956	-.001142	.001256	.5940239	-.007005
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001481	.0000934	1.880483	.0091126	.0008847	.0101399	1.081260
Stddev	.0000127	.0000756	.005942	.0003312	.0002783	.0004060	.008552
%RSD	8.548901	80.89285	.3159616	3.634848	31.45466	4.004381	.7909597
#1	.0001356	.0001488	1.877101	.0091117	.0008417	.0102493	1.077036
#2	.0001609	.0000073	1.887343	.0087817	.0006304	.0104800	1.075641
#3	.0001478	.0001242	1.877004	.0094442	.0011820	.0096903	1.091102
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0219885	.2875904	.0022036	.0011651	125.1538	.0084500	.0388107
Stddev	.0002804	.0121092	.0000508	.0001297	.4362	.0009195	.0005399
%RSD	1.275396	4.210560	2.303926	11.12997	.3485275	10.88232	1.391123
#1	.0223098	.2999841	.0021450	.0011900	125.4800	.0085704	.0392384
#2	.0218623	.2757873	.0022323	.0010248	124.6583	.0093034	.0389897
#3	.0217933	.2869999	.0022335	.0012805	125.3231	.0074762	.0382041
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	150.2705	.0274430	.0020973	.0039444	.0162124	2.482151	.0907439
Stddev	.5503	.0002060	.0003254	.0000614	.0006827	.012706	.0034934
%RSD	.3661742	.7507250	15.51292	1.555910	4.210935	.5118755	3.849727
#1	150.3886	.0272063	.0023986	.0039907	.0157212	2.489149	.0943500
#2	149.6707	.0275818	.0017523	.0038748	.0159239	2.467485	.0873753
#3	150.7521	.0275409	.0021410	.0039678	.0169919	2.489819	.0905064

Sample Name: P4354-01LX5 Acquired: 10/14/2024 15:28:40 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	4.247910	.1093949	.0253991
Stddev	.019045	.0011270	.0000689
%RSD	.4483435	1.030204	.2710798
#1	4.233786	.1104873	.0254707
#2	4.240375	.1082362	.0253334
#3	4.269570	.1094611	.0253932

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2590.310	54405.64	8522.301	1950.967	4341.207
Stddev	4.902	101.61	44.796	12.738	10.315
%RSD	.1892246	.1867706	.5256363	.6529218	.2376158
#1	2587.618	54304.97	8480.016	1937.989	4334.887
#2	2595.967	54508.17	8517.643	1963.451	4353.110
#3	2587.343	54403.79	8569.245	1951.462	4335.622

Sample Name: P4354-01MS Acquired: 10/14/2024 15:32:59 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.7869442	1.900743	1.046001	1.993699	.8444189	4.952842
Stddev	.0033512	.013346	.004208	.004544	.0024412	.010954
%RSD	.4258453	.7021390	.4022922	.2278942	.2891008	.2211685
#1	.7889744	1.910411	1.042452	1.988457	.8446051	4.942870
#2	.7830762	1.885517	1.050650	1.996131	.8418900	4.964567
#3	.7887820	1.906303	1.044902	1.996510	.8467618	4.951091
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2488846	.1712584	.1844659	9.911154	.4371096	.2027625
Stddev	.0008355	.0010076	.0003171	.034144	.0002341	.0004519
%RSD	.3356894	.5883774	.1718881	.3445018	.0535528	.2228662
#1	.2498091	.1717440	.1840998	9.878075	.4368826	.2022550
#2	.2486610	.1719313	.1846503	9.946272	.4373502	.2029112
#3	.2481837	.1700999	.1846477	9.909113	.4370962	.2031213
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3302815	8.826070	.3186561	3.131039	.4970252	.0572382
Stddev	.0004390	.037245	.0001772	.008308	.0008275	.0003059
%RSD	.1329039	.4219907	.0555982	.2653336	.1664848	.5344174
#1	.3300638	8.790145	.3186942	3.121588	.4962549	.0569227
#2	.3307868	8.823559	.3188111	3.134339	.4978999	.0575335
#3	.3299940	8.864508	.3184630	3.137190	.4969208	.0572585
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	676.1395	.3274819	.4209737	814.8139	.3250223	.4280307
Stddev	6.1808	.0015021	.0014658	3.3867	.0020981	.0001544
%RSD	.9141309	.4586780	.3481853	.4156454	.6455300	.0360791
#1	679.8225	.3288979	.4221232	816.9096	.3262113	.4278588
#2	669.0037	.3259065	.4193231	810.9066	.3262559	.4280757
#3	679.5921	.3276413	.4214748	816.6254	.3225998	.4281577

Sample Name: P4354-01MS Acquired: 10/14/2024 15:32:59 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.6536754	.2449835	F 14.34524	7.077178	F 20.83165	.9464112
Stddev	.0002598	.0002024	.06185	.011462	.00542	.0043668
%RSD	.0397363	.0826367	.4311838	.1619591	.0260384	.4614038
#1	.6535259	.2451071	14.30295	7.063945	20.83233	.9514402
#2	.6539753	.2447499	14.31655	7.083595	20.82591	.9435790
#3	.6535250	.2450936	14.41623	7.083995	20.83670	.9442145

Elem	Sr4077
Units	ppm
Avg	.3074163
Stddev	.0004699
%RSD	.1528677
#1	.3078832
#2	.3074225
#3	.3069434

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2348.077	48227.85	8541.380	1739.820	3823.333
Stddev	2.326	35.36	42.282	6.094	7.338
%RSD	.0990785	.0733108	.4950232	.3502888	.1919349
#1	2348.111	48241.73	8521.361	1733.056	3827.603
#2	2345.734	48187.66	8512.824	1744.883	3814.859
#3	2350.386	48254.16	8589.953	1741.522	3827.536

Sample Name: P4354-01MSD Acquired: 10/14/2024 15:37:13 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.8001142	1.905489	1.062782	2.030533	.8522908	5.071854
Stddev	.0039587	.006865	.001779	.004891	.0001231	.012086
%RSD	.4947621	.3602601	.1674228	.2408630	.0144427	.2382877
#1	.8021990	1.897563	1.062316	2.025172	.8522429	5.069643
#2	.8025948	1.909335	1.064748	2.031678	.8521989	5.084893
#3	.7955488	1.909568	1.061282	2.034751	.8524307	5.061027

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2497312	.1802643	.1873493	10.07708	.4402076	.2056237
Stddev	.0014691	.0017895	.0003398	.04542	.0004944	.0000660
%RSD	.5882710	.9926931	.1813645	.4507137	.1123202	.0320772
#1	.2500909	.1809295	.1874179	10.10432	.4407727	.2056621
#2	.2509871	.1816259	.1876495	10.10228	.4398543	.2055475
#3	.2481157	.1782375	.1869804	10.02465	.4399959	.2056615

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3363440	8.661527	.3256198	3.212395	.5051257	.0517510
Stddev	.0008288	.053514	.0013348	.017067	.0006827	.0006527
%RSD	.2464042	.6178336	.4099147	.5312804	.1351603	1.261226
#1	.3358760	8.635352	.3262566	3.195153	.5046905	.0511426
#2	.3373009	8.626139	.3265169	3.229281	.5059126	.0524404
#3	.3358550	8.723090	.3240859	3.212752	.5047740	.0516698

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	656.5739	.3314082	.4211772	796.3569	.3407771	.4331143
Stddev	.3010	.0024941	.0017304	4.6196	.0026437	.0008187
%RSD	.0458447	.7525692	.4108455	.5800881	.7757717	.1890305
#1	656.8167	.3310028	.4209519	792.7570	.3427289	.4332300
#2	656.2371	.3340801	.4230091	794.7478	.3418337	.4338689
#3	656.6679	.3291417	.4195704	801.5658	.3377685	.4322438

Sample Name: P4354-01MSD Acquired: 10/14/2024 15:37:13 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.6666116	.2494557	F 14.07793	7.258689	F 21.33031	.9731437
Stddev	.0021695	.0005297	.08505	.033797	.01671	.0038643
%RSD	.3254501	.2123497	.6041650	.4656034	.0783437	.3970922
#1	.6691118	.2500077	14.02119	7.292178	21.34580	.9766812
#2	.6654959	.2494081	14.03688	7.259296	21.33254	.9737303
#3	.6652269	.2489515	14.17572	7.224593	21.31260	.9690197

Elem	Sr4077
Units	ppm
Avg	.3094278
Stddev	.0009633
%RSD	.3113273
#1	.3103666
#2	.3094750
#3	.3084417

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2321.938	48372.56	8172.196	1754.231	3768.487
Stddev	3.854	159.87	48.606	3.273	3.873
%RSD	.1659658	.3305036	.5947748	.1865584	.1027855
#1	2319.574	48470.75	8141.920	1757.737	3764.419
#2	2319.856	48458.85	8146.407	1753.698	3768.909
#3	2326.385	48188.09	8228.262	1751.257	3772.131

Sample Name: P4354-01A Acquired: 10/14/2024 15:41:28 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.7891905	1.832664	1.042487	1.998042	.8451114	5.136150
Stddev	.0020676	.080403	.008226	.011283	.0037679	.018225
%RSD	.2619928	4.387208	.7890911	.5647075	.4458411	.3548475

#1	.7914759	1.891895	1.051850	2.011033	.8482177	5.121526
#2	.7886459	1.864962	1.036420	1.990695	.8409201	5.130355
#3	.7874497	1.741134	1.039192	1.992397	.8461965	5.156568

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2436100	.1908535	.1843366	10.09068	.4474147	.2024754
Stddev	.0004186	.0008898	.0013308	.03771	.0011479	.0014562
%RSD	.1718450	.4662297	.7219482	.3736737	.2565684	.7192088

#1	.2435236	.1918269	.1858684	10.04797	.4460917	.2041170
#2	.2432413	.1906516	.1836775	10.10470	.4481465	.2013395
#3	.2440651	.1900820	.1834640	10.11937	.4480059	.2019695

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3307646	8.447631	.3286840	3.282971	.4966497	.0537949
Stddev	.0015031	.070398	.0013920	.001736	.0030821	.0002536
%RSD	.4544253	.8333461	.4235151	.0528656	.6205740	.4713293

#1	.3324777	8.366408	.3270857	3.282331	.5000644	.0535149
#2	.3296669	8.491075	.3293351	3.281645	.4940740	.0540089
#3	.3301493	8.485410	.3296311	3.284935	.4958105	.0538610

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	646.9339	.3319147	.4350203	776.3159	.3615914	.4306021
Stddev	4.4993	.0027441	.0021589	1.6447	.0020530	.0024831
%RSD	.6954864	.8267360	.4962701	.2118559	.5677681	.5766548

#1	646.4663	.3289616	.4331180	775.6097	.3639616	.4334691
#2	642.6866	.3323965	.4345761	775.1423	.3603649	.4291938
#3	651.6488	.3343859	.4373667	778.1958	.3604479	.4291433

Sample Name: P4354-01A Acquired: 10/14/2024 15:41:28 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.6534202	.2502434	F 13.86842	7.087773	F 20.65590	1.009630
Stddev	.0036390	.0001831	.08404	.063055	.17364	.003392
%RSD	.5569222	.0731629	.6059450	.8896273	.8406489	.3359979
#1	.6576180	.2504548	13.77338	7.154442	20.84995	1.013340
#2	.6511586	.2501390	13.89897	7.029094	20.60262	1.006686
#3	.6514840	.2501364	13.93291	7.079781	20.51515	1.008865

Elem	Sr4077
Units	ppm
Avg	.3063319
Stddev	.0007497
%RSD	.2447317
#1	.3061770
#2	.3056717
#3	.3071469

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2351.072	47674.60	7792.930	1728.469	3837.703
Stddev	5.811	136.16	13.133	13.205	14.075
%RSD	.2471569	.2856099	.1685192	.7639649	.3667677
#1	2344.454	47815.86	7782.716	1742.796	3821.458
#2	2353.427	47663.75	7788.331	1725.824	3845.410
#3	2355.336	47544.18	7807.744	1716.786	3846.243

Sample Name: P4375-02 Acquired: 10/14/2024 15:54:03 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.008459	-.009536	.0010845	.0006511	.0008015	-.069573	.1117079
Stddev	.000827	.001169	.0005560	.0012415	.0012602	.022212	.0010261
%RSD	9.775431	12.25467	51.26827	190.6939	157.2362	31.92570	.9185486

#1	-.007553	-.008307	.0004590	-.000468	.0007351	-.045646	.1120952
#2	-.009172	-.010633	.0015224	.001987	-.000424	-.073539	.1124839
#3	-.008653	-.009668	.0012721	.000434	.002094	-.089535	.1105445

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000264	.0036304	186.6471	.0034588	.0004004	.0015992	.0220412
Stddev	.0000144	.0000293	.6060	.0003002	.0001193	.0000581	.0026739
%RSD	54.68335	.8084062	.3246679	8.678052	29.78915	3.636409	12.13126

#1	.0000354	.0036110	185.9597	.0037736	.0002899	.0015380	.0243877
#2	.0000097	.0036161	186.8774	.0031759	.0005269	.0016059	.0226058
#3	.0000341	.0036642	187.1041	.0034269	.0003845	.0016537	.0191301

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1343439	2.920358	.0041757	.0010183	419.7628	.0014401	.0714231
Stddev	.0007114	.016849	.0000692	.0003464	2.4872	.0009986	.0002155
%RSD	.5295283	.5769439	1.656297	34.01579	.5925250	69.34269	.3017713

#1	.1348334	2.905314	.0041756	.0012554	422.2988	.0003431	.0715938
#2	.1346704	2.917197	.0042449	.0006208	417.3275	.0016810	.0711809
#3	.1335278	2.938564	.0041066	.0011788	419.6620	.0022961	.0714946

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.047577	.0380406	.0013397	-.001816	-.005778	5.465175	.0097806
Stddev	.017169	.0000764	.0002657	.000204	.000308	.005411	.0015421
%RSD	.5633578	.2009430	19.83079	11.22443	5.332933	.0990107	15.76689

#1	3.055239	.0379658	.0011326	-.002037	-.005942	5.467857	.0094464
#2	3.059580	.0381186	.0012473	-.001776	-.005969	5.458947	.0114624
#3	3.027911	.0380375	.0016393	-.001635	-.005422	5.468722	.0084329

Sample Name: P4375-02 Acquired: 10/14/2024 15:54:03 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	5.166677	-.037164	.7568153
Stddev	.006714	.002044	.0017863
%RSD	.1299567	5.500230	.2360324

#1	5.166294	-.038730	.7574155
#2	5.160163	-.034852	.7582243
#3	5.173576	-.037910	.7548062

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2444.821	50454.74	8463.271	1777.793	4120.923
Stddev	4.719	133.25	23.996	13.000	4.005
%RSD	.1930328	.2640999	.2835365	.7312286	.0971911

#1	2441.669	50422.35	8489.338	1767.994	4117.095
#2	2442.546	50340.66	8442.100	1772.844	4120.591
#3	2450.247	50601.20	8458.375	1792.540	4125.084

Sample Name: P4375-04 Acquired: 10/14/2024 15:58:28 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.010119	-.006584	.0004143	.0015914	.0015405	-.055263	.1402636
Stddev	.003371	.002683	.0006658	.0004717	.0016991	.001612	.0003958
%RSD	33.31083	40.75419	160.6839	29.64179	110.2994	2.916085	.2821534
#1	-.007800	-.009199	.0003952	.0013545	-.000108	-.055638	.1398419
#2	-.008570	-.006715	.0010895	.0012850	.003286	-.056655	.1403219
#3	-.013985	-.003837	-.000242	.0021346	.001443	-.053498	.1406269
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000008	.0000745	166.9221	.0041020	-.000573	.0025462	.0235903
Stddev	.000044	.0000507	.5752	.0000736	.000092	.0002090	.0051711
%RSD	562.8114	68.04369	.3445850	1.795136	16.09925	8.206815	21.92050
#1	-.000052	.0001213	166.5045	.0040726	-.000635	.0026102	.0182801
#2	.000035	.0000207	166.6837	.0041858	-.000616	.0023127	.0286101
#3	-.000006	.0000815	167.5782	.0040476	-.000467	.0027156	.0238807
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0231174	2.995894	.0011698	.0009046	399.4980	.0003345	.0285626
Stddev	.0002195	.015300	.0002525	.0002215	3.1052	.0008561	.0002552
%RSD	.9496863	.5106858	21.58977	24.49020	.7772701	255.9145	.8936146
#1	.0228844	2.978253	.0010461	.0006576	401.4704	-.000599	.0282967
#2	.0231476	3.005533	.0014603	.0009707	401.1049	.000518	.0288057
#3	.0233203	3.003897	.0010029	.0010856	395.9186	.001084	.0285855
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.006764	.0364791	.0009867	.0023385	-.004949	4.054525	.0096601
Stddev	.031479	.0000724	.0001143	.0001238	.000500	.012640	.0023633
%RSD	1.046929	.1985271	11.58070	5.293690	10.10923	.3117472	24.46472
#1	3.040274	.0364779	.0011011	.0022641	-.005215	4.061018	.0075566
#2	2.977815	.0365521	.0008726	.0024813	-.004372	4.062599	.0122174
#3	3.002202	.0364073	.0009863	.0022700	-.005260	4.039959	.0092063

Sample Name: P4375-04 Acquired: 10/14/2024 15:58:28 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	6.324976	-.033246	1.209416
Stddev	.024238	.001423	.005422
%RSD	.3832032	4.279906	.4483445
#1	6.297375	-.033738	1.205569
#2	6.342789	-.031642	1.207061
#3	6.334765	-.034357	1.215618

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2411.140	51039.21	8600.397	1807.430	4044.927
Stddev	3.637	134.80	19.180	5.536	6.959
%RSD	.1508488	.2641196	.2230160	.3062839	.1720345
#1	2408.603	50888.47	8608.981	1801.038	4042.386
#2	2415.307	51080.96	8613.786	1810.649	4052.799
#3	2409.511	51148.20	8578.424	1810.604	4039.596

Sample Name: CCV03 Acquired: 10/14/2024 16:03:02 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.690283	5.200402	4.608094	4.920310	4.917531	9.635090
Stddev	.017923	.053869	.010884	.030707	.016191	.029370
%RSD	.3821242	1.035857	.2361905	.6240907	.3292449	.3048201
#1	4.671590	5.165200	4.595709	4.901758	4.903468	9.631624
#2	4.691940	5.173591	4.612437	4.903417	4.913894	9.666039
#3	4.707320	5.262415	4.616135	4.955755	4.935231	9.607607

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.56221	.2265378	2.253133	23.00101	.9448838	2.304949
Stddev	.10854	.0004182	.006630	.04329	.0029540	.006438
%RSD	1.027647	.1845883	.2942460	.1882180	.3126265	.2793189
#1	10.43903	.2261970	2.245508	22.95892	.9432108	2.297552
#2	10.64385	.2270044	2.256360	22.99870	.9431461	2.308012
#3	10.60374	.2264119	2.257532	23.04541	.9482945	2.309285

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.203209	4.514624	2.707764	23.32089	2.303943	1.166631
Stddev	.004969	.009892	.006503	.06305	.005085	.000507
%RSD	.4129901	.2191098	.2401656	.2703741	.2207205	.0434356
#1	1.199633	4.524580	2.702190	23.33582	2.298125	1.166330
#2	1.201110	4.514496	2.714909	23.25171	2.307539	1.166347
#3	1.208883	4.504797	2.706195	23.37513	2.306165	1.167216

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.56752	2.371405	2.387341	23.60896	F 4.393228	4.971119
Stddev	.16259	.000826	.009028	.11261	.003630	.019020
%RSD	.6359374	.0348502	.3781495	.4769869	.0826317	.3826096
#1	25.42801	2.372233	2.377683	23.47920	4.393089	4.954307
#2	25.74608	2.370580	2.388773	23.68114	4.396926	4.967288
#3	25.52846	2.371402	2.395568	23.66653	4.389670	4.991763

Sample Name: CCV03 Acquired: 10/14/2024 16:03:02 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.427931	4.590937	F 4.239901	4.758967	F 4.411685	F .0007282
Stddev	.017896	.012482	.017255	.014991	.015665	.0007313
%RSD	.4041705	.2718773	.4069695	.3150004	.3550742	100.4257
#1	4.411055	4.578779	4.220143	4.748255	4.395665	.0014807
#2	4.426040	4.603719	4.247548	4.752547	4.412420	.0006839
#3	4.446698	4.590314	4.252010	4.776098	4.426969	.0000201

Elem	Sr4077
Units	ppm
Avg	F 4.491114
Stddev	.025897
%RSD	.5766184
#1	4.462201
#2	4.512180
#3	4.498959

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2709.436	56083.67	8376.479	2014.357	4626.525
Stddev	7.932	47.55	13.041	8.081	13.329
%RSD	.2927620	.0847765	.1556863	.4011511	.2881101
#1	2717.087	56077.25	8372.753	2023.625	4641.824
#2	2709.971	56039.66	8365.707	2010.654	4620.335
#3	2701.249	56134.10	8390.978	2008.790	4617.415

Sample Name: CCB03 Acquired: 10/14/2024 16:07:13 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.002964	-.000648	.0002770	-.001295	-.000451	-.002780	-.017421
Stddev	.001427	.000738	.0003293	.001845	.000582	.004261	.000571
%RSD	48.14262	113.8268	118.8892	142.5364	129.0703	153.2703	3.279911
#1	-.004597	-.000893	.0006414	.000624	.000210	-.004677	-.016819
#2	-.002345	-.001234	.0001887	-.003057	-.000886	-.005763	-.017956
#3	-.001952	.000181	.0000009	-.001451	-.000676	.002100	-.017488
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001134	.0000226	.0033952	.0001240	-.000093	.0000544	.0026604
Stddev	.0000117	.0000212	.0041601	.0001920	.000049	.0001656	.0012984
%RSD	10.28756	93.93333	122.5278	154.8974	52.44406	304.3430	48.80497
#1	.0001039	.0000106	.0045735	-.000042	-.000148	.0002358	.0017102
#2	.0001264	.0000101	.0068390	.000080	-.000054	.0000160	.0041398
#3	.0001099	.0000471	-.001227	.000334	-.000078	-.000089	.0021311
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004748	-.000723	.0000813	.0013571	.0552455	-.000410	-.001265
Stddev	.0001289	.005031	.0000439	.0001153	.0099561	.001172	.000024
%RSD	27.14862	696.2550	53.90315	8.498247	18.02159	285.6732	1.862765
#1	.0005058	-.004212	.0001172	.0014123	.0458436	-.001272	-.001280
#2	.0003332	.005045	.0000325	.0012245	.0542168	.000925	-.001238
#3	.0005853	-.003000	.0000944	.0014344	.0656760	-.000884	-.001278
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3220976	.0033655	.0002111	.0000044	.0004546	-.002578	-.008028
Stddev	.0303175	.0003896	.0000317	.0007384	.0003576	.001972	.001078
%RSD	9.412533	11.57634	15.01057	16901.65	78.66673	76.47466	13.42194
#1	.2888578	.0037936	.0001746	-.000107	.0004438	-.003028	-.006856
#2	.3292047	.0032710	.0002318	-.000672	.0001025	-.004286	-.008976
#3	.3482302	.0030318	.0002269	.000792	.0008175	-.000420	-.008252

Sample Name: CCB03 Acquired: 10/14/2024 16:07:13 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.004269	-.007249	.0001275
Stddev	.001462	.000961	.0000127
%RSD	34.24931	13.26372	9.988885

#1	-.002658	-.006568	.0001130
#2	-.004636	-.008349	.0001324
#3	-.005512	-.006831	.0001371

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2793.236	58577.58	8741.706	2104.486	5015.882
Stddev	8.955	112.45	21.968	6.714	13.752
%RSD	.3205826	.1919641	.2512957	.3190102	.2741604

#1	2803.568	58447.90	8735.489	2096.946	5031.287
#2	2787.711	58636.68	8723.516	2109.816	5011.514
#3	2788.429	58648.15	8766.111	2106.697	5004.845

Sample Name: P4375-06 Acquired: 10/14/2024 16:21:34 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.007260	-.006969	-.000366	.0021159	.0008122	-.074739	.1712782
Stddev	.000127	.003299	.000469	.0017749	.0010632	.008882	.0013677
%RSD	1.750862	47.34040	128.1779	83.88201	130.9024	11.88420	.7985273
#1	-.007345	-.008007	.000173	.0005464	.0013169	-.064836	.1697161
#2	-.007114	-.003276	-.000588	.0017593	.0015291	-.082001	.1722602
#3	-.007320	-.009624	-.000682	.0040420	-.000409	-.077380	.1718585
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000236	.0000334	203.5045	.0060017	-.000664	.0015298	.0338417
Stddev	.0000113	.0000181	.7707	.0001920	.000072	.0001881	.0046502
%RSD	47.77602	54.08786	.3787235	3.198346	10.83792	12.29731	13.74103
#1	.0000310	.0000491	202.6894	.0058159	-.000747	.0013129	.0331551
#2	.0000106	.0000136	203.6027	.0059899	-.000628	.0016277	.0295729
#3	.0000292	.0000375	204.2215	.0061992	-.000618	.0016487	.0387970
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041230	3.059800	.0002687	.0009091	487.6931	.0026447	.0281722
Stddev	.0001864	.004071	.0002007	.0001454	1.1002	.0000916	.0003597
%RSD	4.519787	.1330486	74.71104	15.99107	.2256014	3.463530	1.276770
#1	.0039989	3.058088	.0004991	.0007439	486.4807	.0025434	.0285379
#2	.0040328	3.056866	.0001318	.0010177	488.6282	.0027216	.0278189
#3	.0043373	3.064448	.0001752	.0009656	487.9702	.0026690	.0281597
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.519760	.0480234	.0012769	-.001455	-.005566	4.889681	.0030187
Stddev	.029165	.0003262	.0001345	.000895	.000658	.011828	.0027656
%RSD	.8286035	.6793419	10.52988	61.48640	11.82792	.2418901	91.61580
#1	3.487100	.0477540	.0012226	-.000922	-.005135	4.877871	.0017163
#2	3.528978	.0479300	.0011782	-.002488	-.006324	4.889645	.0061950
#3	3.543203	.0483861	.0014301	-.000955	-.005240	4.901526	.0011447

Sample Name: P4375-06 Acquired: 10/14/2024 16:21:34 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	8.640220	-.039450	1.560881
Stddev	.016196	.000678	.008397
%RSD	.1874519	1.717805	.5379887
#1	8.629014	-.040223	1.561309
#2	8.632856	-.039165	1.552277
#3	8.658790	-.038961	1.569055

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2374.441	50118.94	8243.781	1781.534	3940.766
Stddev	2.632	21.43	11.706	6.978	3.752
%RSD	.1108600	.0427652	.1419942	.3916765	.0952141
#1	2377.342	50094.50	8230.268	1777.470	3945.070
#2	2372.205	50134.51	8250.825	1777.540	3939.046
#3	2373.776	50127.82	8250.249	1789.591	3938.183

Sample Name: P4375-08 Acquired: 10/14/2024 16:26:06 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.009474	-.006330	.0001434	.0014682	.0020290	-.040477	.1206444
Stddev	.000611	.003592	.0005080	.0024142	.0003805	.002509	.0007170
%RSD	6.446993	56.74195	354.2262	164.4352	18.75221	6.197610	.5942773
#1	-.009946	-.002554	-.000332	.0032060	.0024246	-.043290	.1208947
#2	-.009692	-.009704	.000084	-.001288	.0019966	-.038470	.1198359
#3	-.008784	-.006731	.000679	.002487	.0016657	-.039672	.1212027
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000059	-.000023	196.0318	.0076485	-.000797	.0008127	.0220456
Stddev	.000090	.000066	.3806	.0002294	.000167	.0002211	.0026261
%RSD	151.6049	285.8168	.1941297	2.999898	20.90075	27.20436	11.91190
#1	-.000017	.000053	195.6074	.0076267	-.000972	.0007236	.0190951
#2	.000002	-.000065	196.1451	.0078881	-.000777	.0006500	.0241268
#3	-.000163	-.000058	196.3428	.0074308	-.000641	.0010643	.0229149
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1504675	.1804300	-.000375	.0006838	433.6539	-.000185	.0138635
Stddev	.0002975	.0159967	.000276	.0003572	2.5576	.001194	.0000862
%RSD	.1977255	8.865889	73.62578	52.23321	.5897752	644.0740	.6217690
#1	.1502759	.1644635	-.000190	.0007352	436.3668	.000391	.0137876
#2	.1503163	.1964568	-.000242	.0010126	431.2868	-.001558	.0139572
#3	.1508102	.1803696	-.000692	.0003038	433.3082	.000611	.0138456
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.300390	.0318627	.0011483	-.000839	-.006001	4.037161	.0003030
Stddev	.009102	.0005580	.0001659	.000944	.000442	.008105	.0032731
%RSD	.3956819	1.751368	14.44662	112.5249	7.370908	.2007475	1080.326
#1	2.310332	.0313465	.0009712	-.001574	-.005496	4.028248	-.002287
#2	2.298373	.0317868	.0011734	.000226	-.006321	4.044088	.003982
#3	2.292466	.0324548	.0013001	-.001168	-.006186	4.039147	-.000786

Sample Name: P4375-08 Acquired: 10/14/2024 16:26:06 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	5.782884	-.039646	1.876809
Stddev	.012540	.002147	.007975
%RSD	.2168515	5.414851	.4249158
#1	5.768438	-.038648	1.867851
#2	5.790973	-.042110	1.879440
#3	5.789240	-.038179	1.883135

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2376.730	50880.18	7902.236	1813.519	3965.379
Stddev	4.518	68.68	5.836	9.631	4.319
%RSD	.1900826	.1349924	.0738504	.5310516	.1089234
#1	2376.771	50801.59	7895.513	1802.488	3962.284
#2	2381.227	50910.24	7905.200	1817.808	3970.313
#3	2372.192	50928.72	7905.994	1820.259	3963.539

Sample Name: P4375-10 Acquired: 10/14/2024 16:30:39 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.010513	-.006330	-.000366	.0032720	.0029344	-.076710	.1052748
Stddev	.001948	.000551	.001457	.0018186	.0004711	.010211	.0008293
%RSD	18.52537	8.697649	397.7518	55.58107	16.05454	13.31098	.7877530

#1	-.008301	-.006725	-.001841	.0038278	.0034772	-.084051	.1045839
#2	-.011268	-.005701	.001073	.0012404	.0026318	-.081029	.1061945
#3	-.011971	-.006565	-.000331	.0047479	.0026942	-.065049	.1050458

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000001	-.000042	167.2743	.0044580	-.000721	.0012664	.0281966
Stddev	.000027	.000088	.1721	.0000727	.000168	.0005643	.0035790
%RSD	1789.351	210.7114	.1028569	1.629882	23.22511	44.55842	12.69311

#1	.000004	.000027	167.4277	.0045324	-.000739	.0015918	.0273139
#2	-.000030	-.000012	167.0882	.0044544	-.000546	.0015925	.0251415
#3	.000022	-.000141	167.3068	.0043872	-.000879	.0006148	.0321343

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075851	2.003590	.0000110	.0009651	415.6143	.0014769	.0209330
Stddev	.0001972	.007900	.0001179	.0004928	.5591	.0004077	.0003280
%RSD	2.599513	.3942886	1071.633	51.05882	.1345319	27.60481	1.567113

#1	.0077217	2.011468	.0000298	.0015339	415.8552	.0017167	.0208773
#2	.0076746	1.995668	.0001183	.0006651	414.9751	.0017078	.0206364
#3	.0073591	2.003633	-.000115	.0006965	416.0127	.0010062	.0212854

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.729583	.0325497	.0016562	-.001778	-.005093	5.248401	.0020555
Stddev	.029674	.0010036	.0003748	.000746	.000717	.009586	.0029438
%RSD	.7956464	3.083234	22.62987	41.98222	14.08507	.1826539	143.2156

#1	3.720613	.0336546	.0012263	-.001815	-.005048	5.240736	.0049486
#2	3.705429	.0316946	.0018278	-.002504	-.004399	5.245317	-.000936
#3	3.762707	.0322999	.0019145	-.001013	-.005832	5.259150	.002154

Sample Name: P4375-10 Acquired: 10/14/2024 16:30:39 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	5.225461	-.033065	1.125682
Stddev	.005123	.001312	.004452
%RSD	.0980445	3.966984	.3954603
#1	5.228511	-.034352	1.130335
#2	5.219546	-.031730	1.125247
#3	5.228326	-.033112	1.121463

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2378.081	49972.39	8530.882	1767.619	3991.854
Stddev	1.079	141.47	38.777	10.426	3.193
%RSD	.0453720	.2830892	.4545484	.5898505	.0799828
#1	2378.544	49827.50	8486.380	1759.760	3988.988
#2	2378.850	50110.16	8557.416	1779.447	3995.295
#3	2376.847	49979.50	8548.850	1763.650	3991.279

Sample Name: P4375-12 Acquired: 10/14/2024 16:35:14 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.004503	-.005443	.0001657	.0016076	.0007367	-.062847	.1342481
Stddev	.002134	.002073	.0004595	.0020753	.0017301	.006506	.0001602
%RSD	47.39563	38.09003	277.2844	129.0949	234.8519	10.35237	.1193458

#1	-.004593	-.007824	.0004953	.0029071	-.001181	-.060160	.1343199
#2	-.002325	-.004469	.0003610	-.000786	.001212	-.058115	.1340645
#3	-.006590	-.004037	-.000359	.002701	.002180	-.070266	.1343598

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000019	.0001054	166.7230	.0045870	-.000606	.0029770	.0295972
Stddev	.000043	.0000453	.4156	.0002137	.000086	.0003676	.0016847
%RSD	222.2547	42.96672	.2493003	4.658924	14.12808	12.34631	5.692233

#1	-.000010	.0000815	167.0083	.0046589	-.000632	.0029800	.0304227
#2	.000018	.0001576	166.2461	.0047556	-.000510	.0033431	.0307100
#3	-.000066	.0000770	166.9144	.0043467	-.000675	.0026080	.0276589

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049635	2.781207	.0009658	.0009633	411.5912	.0018313	.0122330
Stddev	.0002152	.014716	.0002810	.0002119	2.4798	.0006690	.0000933
%RSD	4.335265	.5291238	29.09317	21.99291	.6024911	36.53060	.7626968

#1	.0052068	2.794746	.0008775	.0007564	409.0114	.0021322	.0122874
#2	.0047980	2.765545	.0012803	.0009535	413.9572	.0022969	.0121252
#3	.0048859	2.783329	.0007396	.0011798	411.8049	.0010647	.0122863

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.457337	.0336065	.0015301	-.000822	-.005108	4.819851	.0000781
Stddev	.024838	.0012537	.0000799	.000492	.000613	.027696	.0014222
%RSD	.5572401	3.730456	5.222807	59.91340	11.99382	.5746284	1821.511

#1	4.428709	.0347016	.0014398	-.000401	-.004431	4.789591	-.001053
#2	4.473165	.0322390	.0015587	-.001363	-.005267	4.843944	.001675
#3	4.470134	.0338789	.0015918	-.000701	-.005625	4.826017	-.000387

Sample Name: P4375-12 Acquired: 10/14/2024 16:35:14 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	5.882890	-.032871	1.077355
Stddev	.010272	.001009	.003874
%RSD	.1746040	3.070176	.3596125
#1	5.876530	-.033985	1.076197
#2	5.894740	-.032610	1.081677
#3	5.877400	-.032017	1.074193

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2396.527	49767.16	8750.868	1750.156	4034.617
Stddev	3.261	79.68	27.960	4.435	2.242
%RSD	.1360787	.1601072	.3195148	.2533820	.0555719
#1	2399.843	49779.92	8720.006	1754.291	4037.204
#2	2396.414	49681.87	8774.511	1745.473	4033.417
#3	2393.324	49839.70	8758.085	1750.704	4033.231

Sample Name: P4375-14 Acquired: 10/14/2024 16:39:47 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.009152	-.006716	.0002800	.0025004	.0027416	-.075856	.1012724
Stddev	.001458	.000588	.0003930	.0016074	.0002837	.004727	.0004124
%RSD	15.93267	8.758091	140.3569	64.28600	10.34813	6.231978	.4072436
#1	-.010782	-.007089	-.000168	.0017094	.0027803	-.076756	.1017481
#2	-.008701	-.006038	.000440	.0043500	.0030040	-.070744	.1010530
#3	-.007973	-.007022	.000568	.0014418	.0024406	-.080069	.1010161
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000017	.0000510	222.6525	.0057899	-.000857	.0027571	.0182908
Stddev	.000005	.0000978	.1218	.0004179	.000172	.0003476	.0049416
%RSD	30.88592	191.6208	.0547025	7.217331	20.06446	12.60871	27.01709
#1	-.000011	-.000061	222.6361	.0061886	-.000661	.0024690	.0193746
#2	-.000022	.000096	222.5398	.0058260	-.000924	.0031432	.0128972
#3	-.000018	.000118	222.7817	.0053552	-.000985	.0026590	.0226005
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035565	1.362167	.0002472	.0009307	456.0705	.0035279	.0081298
Stddev	.0000440	.007712	.0001241	.0001760	1.3023	.0003377	.0001994
%RSD	1.237251	.5661446	50.21743	18.90902	.2855399	9.571104	2.452225
#1	.0035094	1.360394	.0003282	.0009252	455.2835	.0032565	.0083570
#2	.0035965	1.355496	.0003090	.0007575	457.5736	.0039060	.0079844
#3	.0035636	1.370611	.0001043	.0011093	455.3542	.0034211	.0080479
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.173667	.0349223	.0018513	-.002014	-.007371	4.908649	.0018562
Stddev	.037933	.0002885	.0001046	.000844	.000583	.024045	.0013036
%RSD	.9088611	.8261785	5.649640	41.91751	7.907413	.4898449	70.23329
#1	4.131458	.0352553	.0018495	-.002823	-.007999	4.881441	.0013403
#2	4.184635	.0347448	.0017476	-.001139	-.007269	4.927043	.0033388
#3	4.204907	.0347670	.0019568	-.002080	-.006846	4.917464	.0008894

Sample Name: P4375-14 Acquired: 10/14/2024 16:39:47 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	7.202422	-.042863	1.464169
Stddev	.004634	.000908	.003206
%RSD	.0643400	2.119318	.2189559
#1	7.204752	-.043800	1.464971
#2	7.205429	-.042802	1.460639
#3	7.197085	-.041986	1.466899

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2364.857	50970.21	8694.996	1776.637	3954.728
Stddev	4.365	85.87	14.240	8.876	4.849
%RSD	.1845900	.1684727	.1637779	.4996034	.1226104
#1	2360.112	51029.79	8678.561	1784.850	3949.129
#2	2365.757	51009.06	8702.748	1777.839	3957.510
#3	2368.702	50871.78	8703.678	1767.221	3957.545

Sample Name: P4375-16 Acquired: 10/14/2024 16:44:20 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.006864	-.004354	.0001593	.0020342	.0014604	-.071279	.0607658
Stddev	.001066	.001158	.0002083	.0012793	.0008971	.003793	.0008504
%RSD	15.52694	26.60532	130.7809	62.89240	61.42329	5.321060	1.399540
#1	-.006595	-.005543	.0003172	.0005835	.0020141	-.069258	.0616655
#2	-.005959	-.003229	.0002374	.0025181	.0004255	-.075654	.0599751
#3	-.008039	-.004289	-.000077	.0030010	.0019417	-.068924	.0606568
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000041	.0000493	161.7931	.0040034	-.000557	.0025681	.0146937
Stddev	.000011	.0000754	.3061	.0002024	.000099	.0001367	.0036053
%RSD	26.87497	152.9968	.1892219	5.055666	17.71265	5.321870	24.53679
#1	-.000046	.0001156	161.4741	.0040780	-.000502	.0027021	.0121095
#2	-.000049	-.000033	162.0845	.0037743	-.000498	.0024289	.0188124
#3	-.000029	.000065	161.8206	.0041579	-.000671	.0025733	.0131590
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030918	1.480351	-.000200	.0009584	342.9274	.0019707	.0059792
Stddev	.0001313	.009455	.000190	.0004712	1.1296	.0019443	.0001151
%RSD	4.245502	.6386736	95.16437	49.15941	.3293981	98.66251	1.925501
#1	.0030262	1.488329	-.000233	.0006190	342.3239	.0018276	.0060371
#2	.0032429	1.469908	.000005	.0007600	342.2278	.0001019	.0058466
#3	.0030063	1.482815	-.000372	.0014964	344.2306	.0039826	.0060538
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.509020	.0270666	.0016264	-.001567	-.005102	4.147016	.0009222
Stddev	.004604	.0004943	.0001643	.000318	.000697	.007684	.0026964
%RSD	.1834932	1.826215	10.10370	20.29191	13.67091	.1852938	292.3731
#1	2.511959	.0269498	.0014578	-.001358	-.004530	4.138179	.0037324
#2	2.511386	.0276088	.0017861	-.001410	-.005879	4.150747	-.001644
#3	2.503714	.0266411	.0016351	-.001933	-.004897	4.152123	.000678

Sample Name: P4375-16 Acquired: 10/14/2024 16:44:20 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	4.844090	-.033530	.9180464
Stddev	.006448	.000899	.0039794
%RSD	.1331188	2.681128	.4334617
#1	4.848668	-.033558	.9204063
#2	4.846887	-.032617	.9202811
#3	4.836715	-.034415	.9134520

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2469.281	51031.86	8765.266	1818.949	4172.901
Stddev	5.227	51.79	19.124	2.324	2.591
%RSD	.2116981	.1014790	.2181747	.1277551	.0621018
#1	2473.941	51091.37	8763.639	1820.504	4174.628
#2	2470.272	51007.17	8747.008	1820.065	4174.154
#3	2463.628	50997.03	8785.152	1816.277	4169.921

Sample Name: P4375-18 Acquired: 10/14/2024 16:48:47 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.009587	-.007352	-.000083	.0022203	.0009535	-.042417	.0742702
Stddev	.001493	.000541	.000635	.0011162	.0001923	.010789	.0009544
%RSD	15.57062	7.351761	764.2265	50.27073	20.16591	25.43679	1.285089
#1	-.009014	-.007969	.000144	.0016527	.0011311	-.045686	.0737849
#2	-.008466	-.006960	.000407	.0035062	.0007493	-.030371	.0736559
#3	-.011281	-.007127	-.000801	.0015020	.0009802	-.051193	.0753697
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000005	.0000325	188.3713	.0093162	-.000688	.0034239	.0157965
Stddev	.000051	.0000806	.3921	.0004693	.000134	.0002614	.0018887
%RSD	976.9196	247.9712	.2081331	5.037878	19.42412	7.634590	11.95659
#1	-.000009	.0001061	187.9368	.0089566	-.000842	.0031973	.0159741
#2	.000048	-.000054	188.6985	.0091449	-.000604	.0037099	.0138252
#3	-.000054	.000045	188.4786	.0098472	-.000618	.0033646	.0175901
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023522	.2234789	-.000032	.0007340	379.6386	.0010349	.0081781
Stddev	.0002891	.0121611	.000287	.0002206	1.0169	.0013438	.0000836
%RSD	12.29064	5.441726	899.6890	30.04815	.2678509	129.8450	1.022685
#1	.0023880	.2187535	-.000308	.0009834	379.3928	-.000086	.0082296
#2	.0020468	.2143897	.000264	.0006543	380.7558	.002525	.0080816
#3	.0026217	.2372935	-.000051	.0005644	378.7671	.000666	.0082231
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.255919	.0253070	.0011207	-.001833	-.006234	3.613506	.0062070
Stddev	.025039	.0002743	.0001740	.000238	.000396	.000471	.0003860
%RSD	.7690332	1.084105	15.52703	12.99389	6.345008	.0130371	6.219220
#1	3.251984	.0249961	.0012427	-.002082	-.005832	3.613774	.0065987
#2	3.233081	.0255152	.0009214	-.001608	-.006623	3.613781	.0061953
#3	3.282693	.0254098	.0011978	-.001810	-.006246	3.612961	.0058269

Sample Name: P4375-18 Acquired: 10/14/2024 16:48:47 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	6.279917	-.038128	1.531521
Stddev	.021592	.000869	.011680
%RSD	.3438284	2.278975	.7626531
#1	6.258077	-.039130	1.518058
#2	6.280423	-.037583	1.538953
#3	6.301252	-.037671	1.537552

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2420.346	50228.37	8397.431	1799.667	4069.790
Stddev	2.213	42.39	32.942	9.873	4.287
%RSD	.0914407	.0844038	.3922874	.5485779	.1053409
#1	2419.104	50238.00	8429.510	1794.740	4071.903
#2	2419.032	50181.98	8363.689	1811.033	4072.610
#3	2422.901	50265.12	8399.096	1793.227	4064.856

Sample Name: P4375-20 Acquired: 10/14/2024 16:53:20 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.010250	-.007300	.0000943	.0017499	.0004881	-.072139	.0594239
Stddev	.001848	.003039	.0002060	.0019167	.0019019	.005254	.0001351
%RSD	18.02782	41.62035	218.4940	109.5330	389.6609	7.282563	.2272836

#1	-.011765	-.007548	.0003201	-.000372	-.001697	-.077809	.0592883
#2	-.008191	-.010208	-.000083	.002266	.001774	-.067437	.0595584
#3	-.010793	-.004146	.000046	.003356	.001387	-.071170	.0594252

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000030	-.000018	175.7008	.0054252	-.000667	.0017467	.0255853
Stddev	.000074	.000029	.5110	.0002524	.000108	.0004637	.0047643
%RSD	250.1376	161.1480	.2908166	4.652191	16.13459	26.54816	18.62130

#1	.000016	-.000008	175.2539	.0052772	-.000553	.0012113	.0303935
#2	-.000115	-.000050	175.5905	.0057167	-.000681	.0020057	.0254961
#3	.000010	.000005	176.2578	.0052818	-.000767	.0020230	.0208661

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023414	1.658466	.0002003	.0011079	363.5769	.0020227	.0053946
Stddev	.0001580	.015693	.0001712	.0000793	2.2350	.0020270	.0002850
%RSD	6.746311	.9462430	85.49510	7.161583	.6147168	100.2124	5.282127

#1	.0023064	1.652658	.0001214	.0010319	363.4945	.0031968	.0053211
#2	.0022038	1.646506	.0003967	.0011016	365.8519	.0031892	.0057091
#3	.0025139	1.676236	.0000827	.0011902	361.3843	-.000318	.0051535

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.976746	.0273800	.0012008	-.001794	-.005600	3.693196	.0007616
Stddev	.021112	.0004522	.0000781	.000477	.000312	.005861	.0011312
%RSD	1.068036	1.651590	6.507202	26.58914	5.575391	.1587023	148.5394

#1	1.959773	.0272234	.0011686	-.001912	-.005959	3.686727	-.000507
#2	1.970079	.0270269	.0011438	-.001268	-.005456	3.698152	.001666
#3	2.000388	.0278897	.0012898	-.002200	-.005387	3.694710	.001126

Sample Name: P4375-20 Acquired: 10/14/2024 16:53:20 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	5.536164	-.035638	1.091080
Stddev	.015271	.001106	.000666
%RSD	.2758464	3.103367	.0610458

#1	5.551762	-.034394	1.090570
#2	5.521241	-.036509	1.090838
#3	5.535489	-.036011	1.091834

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2401.339	51447.63	8363.955	1808.883	4053.311
Stddev	3.098	68.02	25.889	4.335	4.413
%RSD	.1290263	.1322087	.3095310	.2396556	.1088724

#1	2403.979	51488.50	8350.894	1805.468	4052.443
#2	2402.111	51485.28	8393.772	1813.760	4058.094
#3	2397.928	51369.11	8347.197	1807.420	4049.397

Sample Name: P4375-22 Acquired: 10/14/2024 16:57:45 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.009781	-.006470	-.000877	.0027646	.0010985	-.072267	.0964047
Stddev	.001657	.002929	.000210	.0010388	.0004914	.004032	.0005395
%RSD	16.94367	45.27316	23.91567	37.57341	44.73338	5.579859	.5596274

#1	-.010525	-.005443	-.001089	.0015684	.0014584	-.076828	.0967313
#2	-.007882	-.009774	-.000873	.0034389	.0012984	-.070797	.0957820
#3	-.010937	-.004192	-.000670	.0032865	.0005386	-.069176	.0967008

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000093	-.000040	160.1637	.0062129	-.000629	.0082716	.0206220
Stddev	.0000300	.000069	.2603	.0001407	.000280	.0003022	.0027425
%RSD	323.6248	172.1002	.1625272	2.265233	44.60305	3.653323	13.29895

#1	.0000188	-.000067	160.1431	.0060516	-.000491	.0080924	.0237788
#2	.0000333	.000038	160.4338	.0063107	-.000951	.0081018	.0188260
#3	-.000024	-.000091	159.9144	.0062764	-.000444	.0086205	.0192613

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064017	1.669922	.0004340	.0012065	344.4388	.0017703	.0079933
Stddev	.0002138	.017637	.0002187	.0001561	1.8405	.0010857	.0002821
%RSD	3.339215	1.056128	50.39763	12.93753	.5343403	61.33017	3.528888

#1	.0066479	1.688542	.0002591	.0011968	346.5531	.0030222	.0077881
#2	.0062936	1.667754	.0006793	.0010555	343.1957	.0010872	.0078770
#3	.0062636	1.653470	.0003636	.0013673	343.5675	.0012014	.0083150

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.136017	.0268784	.0012505	-.001763	-.004730	3.747149	.0029733
Stddev	.010932	.0001203	.0001184	.000697	.000199	.013767	.0019119
%RSD	.3486056	.4474439	9.469377	39.55788	4.209735	.3673955	64.30458

#1	3.123684	.0269226	.0013853	-.000960	-.004937	3.734202	.0010255
#2	3.139848	.0267422	.0012030	-.002115	-.004715	3.745637	.0030471
#3	3.144517	.0269702	.0011632	-.002214	-.004539	3.761610	.0048472

Sample Name: P4375-22 Acquired: 10/14/2024 16:57:45 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	5.958066	-.032740	1.713172
Stddev	.009669	.000936	.016672
%RSD	.1622785	2.859125	.9731525
#1	5.968598	-.033700	1.704644
#2	5.949591	-.032690	1.732383
#3	5.956008	-.031830	1.702490

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2397.932	51574.18	8836.469	1782.879	4048.901
Stddev	1.827	68.00	27.110	2.075	7.306
%RSD	.0761947	.1318423	.3067981	.1163743	.1804525
#1	2399.654	51498.13	8817.436	1784.527	4057.227
#2	2398.126	51629.12	8824.461	1780.549	4045.914
#3	2396.015	51595.29	8867.509	1783.561	4043.561

Sample Name: P4375-24 Acquired: 10/14/2024 17:02:19 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.007558	-.004933	-.002136	.0023553	.0049521	-.077912	.0819839
Stddev	.002284	.001373	.000502	.0025115	.0004055	.007774	.0004666
%RSD	30.21498	27.82527	23.50450	106.6303	8.188454	9.978212	.5691160

#1	-.005585	-.003693	-.002551	.0003103	.0045362	-.079907	.0816739
#2	-.007028	-.004698	-.002280	.0051585	.0049740	-.084494	.0817574
#3	-.010059	-.006408	-.001578	.0015971	.0053463	-.069334	.0825205

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000031	.0102957	173.4406	.0007251	.0013677	.0185487	.0171922
Stddev	.000003	.0000919	.2767	.0000451	.0001080	.0002813	.0046276
%RSD	10.58023	.8926740	.1595345	6.221249	7.896558	1.516727	26.91683

#1	-.000028	.0102302	173.1213	.0007038	.0012588	.0186735	.0190901
#2	-.000035	.0102561	173.6103	.0006946	.0013697	.0182266	.0119173
#3	-.000031	.0104008	173.5901	.0007769	.0014747	.0187461	.0205690

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1316345	2.732458	.0037461	.0010276	370.8130	.0009182	16.26947
Stddev	.0007158	.016422	.0001650	.0002605	1.1866	.0019036	.08286
%RSD	.5437772	.6010129	4.403564	25.35129	.3200064	207.3180	.5092998

#1	.1324561	2.722104	.0037799	.0013279	371.8435	.0030948	16.29798
#2	.1311463	2.751394	.0038916	.0008922	369.5157	-.000436	16.33431
#3	.1313009	2.723877	.0035669	.0008627	371.0796	.000096	16.17612

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.327478	.0379382	-.001892	.0000774	-.005925	4.952126	.0053831
Stddev	.052668	.0006226	.000049	.0008724	.000832	.003277	.0005046
%RSD	.5646492	1.641036	2.564371	1127.109	14.03374	.0661773	9.373266

#1	9.317429	.0376279	-.001876	-.000115	-.004994	4.948369	.0049895
#2	9.280560	.0386550	-.001946	.001030	-.006189	4.953617	.0052079
#3	9.384447	.0375318	-.001853	-.000683	-.006593	4.954393	.0059519

Sample Name: P4375-24 Acquired: 10/14/2024 17:02:19 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	4.899247	-.032846	1.269209
Stddev	.012444	.000909	.004025
%RSD	.2540077	2.767732	.3171053

#1	4.908003	-.032961	1.268151
#2	4.885002	-.033692	1.273657
#3	4.904736	-.031885	1.265819

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2450.699	50796.26	8812.492	1791.738	4134.922
Stddev	4.538	87.69	23.726	1.931	3.373
%RSD	.1851678	.1726265	.2692339	.1077503	.0815659

#1	2448.608	50696.78	8789.921	1789.919	4135.664
#2	2447.584	50862.34	8810.329	1791.530	4131.240
#3	2455.905	50829.66	8837.226	1793.764	4137.862

Sample Name: CCV04 Acquired: 10/14/2024 17:06:50 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.708577	5.243353	4.627106	4.958553	4.937094	9.734296
Stddev	.016338	.077009	.015272	.020522	.012955	.019181
%RSD	.3469909	1.468698	.3300657	.4138692	.2624004	.1970481
#1	4.693452	5.197769	4.612090	4.942427	4.928311	9.713876
#2	4.706373	5.200024	4.626604	4.951579	4.930999	9.737080
#3	4.725905	5.332266	4.642623	4.981653	4.951973	9.751934
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.50563	.2309986	2.257449	23.06096	.9534118	2.314975
Stddev	.12783	.0009565	.005899	.03969	.0020150	.003885
%RSD	1.216735	.4140608	.2613300	.1721043	.2113457	.1678096
#1	10.57685	.2321004	2.252423	23.08617	.9520063	2.312323
#2	10.58198	.2303816	2.255979	23.01521	.9557204	2.313167
#3	10.35806	.2305138	2.263944	23.08149	.9525089	2.319434
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.205408	4.525234	2.695339	23.42402	2.311711	1.176458
Stddev	.002616	.004376	.007425	.04903	.003236	.000389
%RSD	.2169842	.0967059	.2754715	.2093174	.1399667	.0331040
#1	1.203120	4.520181	2.703320	23.43275	2.308041	1.176874
#2	1.204845	4.527835	2.694061	23.37122	2.312944	1.176101
#3	1.208259	4.527686	2.688636	23.46811	2.314150	1.176400
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.29604	2.380198	2.370328	23.51458	F 4.445219	4.998311
Stddev	.02472	.003325	.006531	.08065	.016857	.013843
%RSD	.0977210	.1396736	.2755483	.3429596	.3792062	.2769616
#1	25.27538	2.383636	2.368229	23.42335	4.464224	4.988700
#2	25.32343	2.377000	2.377651	23.54404	4.439360	4.992056
#3	25.28932	2.379958	2.365104	23.57636	4.432074	5.014178

Sample Name: CCV04 Acquired: 10/14/2024 17:06:50 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.432108	4.591233	F 4.270385	4.772493	F 4.414359	F .0012699
Stddev	.015013	.007847	.044026	.028398	.018230	.0006077
%RSD	.3387354	.1709204	1.030954	.5950290	.4129626	47.85616
#1	4.417589	4.598861	4.219549	4.744384	4.393332	.0016039
#2	4.431165	4.591655	4.295819	4.771925	4.424020	.0016374
#3	4.447570	4.583184	4.295788	4.801171	4.425724	.0005684

Elem	Sr4077
Units	ppm
Avg	4.500474
Stddev	.012497
%RSD	.2776872
#1	4.503211
#2	4.511376
#3	4.486835

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2708.896	55483.58	8268.810	1984.886	4624.128
Stddev	2.390	75.02	34.221	11.896	4.753
%RSD	.0882317	.1352026	.4138548	.5993189	.1027934
#1	2708.365	55439.71	8232.460	1984.388	4625.786
#2	2706.816	55440.82	8273.567	1973.246	4618.768
#3	2711.507	55570.19	8300.404	1997.022	4627.831

Sample Name: CCB04 Acquired: 10/14/2024 17:11:02 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.003664	.0002835	-.000172	.0012255	-.000605	-.002244	-.012012
Stddev	.000705	.0014594	.000693	.0002691	.000265	.004367	.000270
%RSD	19.24118	514.7950	401.8704	21.95685	43.85560	194.5834	2.244140
#1	-.003256	.0014042	-.000442	.0010537	-.000307	-.006358	-.011836
#2	-.003257	-.001367	-.000690	.0010872	-.000693	.002337	-.011878
#3	-.004478	.000813	.000614	.0015356	-.000815	-.002711	-.012323
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001415	-.000057	.0105633	.0000979	-.000145	-.000191	.0050396
Stddev	.0000204	.000022	.0041373	.0001861	.000132	.000265	.0022365
%RSD	14.41361	37.57848	39.16637	190.0419	90.88255	139.3265	44.37966
#1	.0001312	-.000080	.0083688	.0001223	-.000049	-.000423	.0069517
#2	.0001284	-.000056	.0153355	-.000099	-.000091	.000098	.0025802
#3	.0001650	-.000037	.0079856	.000271	-.000296	-.000247	.0055867
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000842	-.000416	-.000005	.0013554	.2617653	-.000275	-.001194
Stddev	.0000950	.003677	.000173	.0000893	.0182677	.000283	.000162
%RSD	112.8584	884.1010	3171.232	6.590465	6.978675	102.8020	13.60057
#1	.0000974	-.003059	.000062	.0012879	.2431087	-.000027	-.001184
#2	.0001719	-.001972	-.000202	.0014567	.2625696	-.000215	-.001037
#3	-.000017	.003784	.000123	.0013217	.2796177	-.000583	-.001361
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5038685	.0037607	.0001352	-.000274	.0004482	-.007324	-.008872
Stddev	.0403194	.0007505	.0002124	.000446	.0001820	.002596	.000504
%RSD	8.001965	19.95581	157.1051	162.8692	40.61834	35.44710	5.679739
#1	.4611134	.0042972	.0003783	-.000555	.0006524	-.006032	-.008424
#2	.5092881	.0040818	-.000014	-.000508	.0003030	-.010312	-.008774
#3	.5412039	.0029031	.000042	.000241	.0003891	-.005627	-.009417

Sample Name: CCB04 Acquired: 10/14/2024 17:11:02 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.005882	-.005975	.0000444
Stddev	.003242	.000514	.0000199
%RSD	55.12027	8.606865	44.88198

#1	-.007050	-.006085	.0000331
#2	-.002217	-.005414	.0000327
#3	-.008377	-.006424	.0000674

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2829.224	57062.14	8706.082	2093.606	5080.457
Stddev	8.164	139.09	10.562	4.581	6.307
%RSD	.2885456	.2437449	.1213178	.2188188	.1241373

#1	2836.450	56901.55	8701.994	2092.051	5085.688
#2	2830.853	57141.12	8718.077	2090.005	5082.231
#3	2820.369	57143.76	8698.174	2098.762	5073.454

Sample Name: P4375-26 Acquired: 10/14/2024 17:15:23 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.008296	-.003083	-.000357	.0016874	.0009827	-.062916	.0463099
Stddev	.001176	.002907	.000100	.0002173	.0006340	.004709	.0000344
%RSD	14.17796	94.28372	28.05225	12.87508	64.51014	7.484457	.0742339

#1	-.009640	-.006085	-.000384	.0016265	.0002807	-.058589	.0462901
#2	-.007794	-.000283	-.000442	.0019286	.0011542	-.062229	.0463496
#3	-.007454	-.002880	-.000247	.0015071	.0015134	-.067931	.0462901

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000142	-.000010	135.2314	.0012582	-.000567	.0021427	.0205384
Stddev	.0000196	.000106	.3032	.0003493	.000109	.0003919	.0012722
%RSD	138.4098	1110.537	.2242170	27.76285	19.27479	18.28917	6.194484

#1	-.000008	.000112	134.9344	.0009425	-.000468	.0017162	.0210651
#2	.000024	-.000057	135.5405	.0011986	-.000684	.0022251	.0190874
#3	.000027	-.000083	135.2194	.0016335	-.000548	.0024869	.0214628

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053044	1.324684	.0003991	.0009583	301.6947	.0013269	.1209382
Stddev	.0003284	.014519	.0003825	.0001516	1.5083	.0006254	.0003756
%RSD	6.191729	1.096056	95.85840	15.82038	.4999359	47.13159	.3105655

#1	.0050839	1.333316	.0002261	.0007839	303.4230	.0009362	.1205558
#2	.0056818	1.332814	.0008375	.0010579	301.0168	.0020483	.1209521
#3	.0051474	1.307921	.0001335	.0010333	300.6444	.0009964	.1213066

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.110486	.0323998	.0012088	-.001994	-.004380	2.681239	-.000327
Stddev	.041238	.0004716	.0002495	.000358	.000648	.000992	.001027
%RSD	1.003232	1.455535	20.63686	17.96419	14.79524	.0370056	313.6592

#1	4.088693	.0318653	.0014375	-.002073	-.003795	2.682374	.000115
#2	4.084717	.0325764	.0012459	-.001603	-.005076	2.680806	.000405
#3	4.158048	.0327575	.0009428	-.002306	-.004268	2.680536	-.001501

Sample Name: P4375-26 Acquired: 10/14/2024 17:15:23 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	4.521902	-.028311	1.181391
Stddev	.009994	.000326	.000732
%RSD	.2210190	1.152512	.0619789
#1	4.521703	-.028283	1.182116
#2	4.512008	-.028651	1.180652
#3	4.531993	-.028000	1.181406

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2449.217	51892.32	8836.879	1837.689	4133.207
Stddev	8.747	78.78	2.017	7.085	3.139
%RSD	.3571186	.1518233	.0228285	.3855651	.0759518
#1	2456.393	51873.51	8838.328	1838.665	4136.777
#2	2439.474	51978.80	8834.575	1844.235	4130.879
#3	2451.785	51824.64	8837.735	1830.165	4131.963

Sample Name: P4375-28 Acquired: 10/14/2024 17:21:35 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.006883	-.005016	.0021972	.0012528	.0053431	-.075285	.1263888
Stddev	.000556	.002275	.0009708	.0006966	.0005790	.001499	.0008265
%RSD	8.081102	45.35091	44.18536	55.60765	10.83609	1.990861	.6539675
#1	-.006902	-.005596	.0024638	.0014495	.0047149	-.073797	.1254806
#2	-.007430	-.002507	.0011209	.0018299	.0058552	-.075265	.1265888
#3	-.006318	-.006945	.0030068	.0004789	.0054594	-.076794	.1270969
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000025	.0095557	173.9726	.0035022	.0014013	.0988409	.0405157
Stddev	.0000187	.0001197	.0967	.0000541	.0000910	.0002659	.0024377
%RSD	740.9851	1.253069	.0556103	1.543596	6.493641	.2689993	6.016653
#1	-.000017	.0094894	173.9094	.0034497	.0013113	.0985344	.0390539
#2	.000021	.0096939	173.9245	.0035577	.0014932	.0990093	.0391634
#3	.000004	.0094838	174.0840	.0034993	.0013995	.0989790	.0433298
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1333866	2.345754	.0049166	.0010831	331.1997	.0013073	18.80553
Stddev	.0005192	.015139	.0003757	.0000152	1.0705	.0006336	.09611
%RSD	.3892790	.6453987	7.641507	1.406134	.3232126	48.46445	.5110489
#1	.1337565	2.337688	.0046067	.0010908	331.0973	.0006076	18.69946
#2	.1336103	2.363219	.0048086	.0010929	332.3177	.0018422	18.88681
#3	.1327930	2.336355	.0053345	.0010655	330.1841	.0014720	18.83032
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.940180	.0367901	-.002464	-.001656	-.005455	5.124695	.0136708
Stddev	.011894	.0001326	.000170	.000541	.000356	.008409	.0045479
%RSD	.3018731	.3603802	6.896742	32.66779	6.528834	.1640903	33.26760
#1	3.928768	.0366484	-.002364	-.001682	-.005385	5.115085	.0103131
#2	3.952504	.0369111	-.002368	-.002184	-.005139	5.128297	.0188465
#3	3.939267	.0368110	-.002660	-.001103	-.005841	5.130704	.0118527

Sample Name: P4375-28 Acquired: 10/14/2024 17:21:35 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	2.589290	-.033514	2.256709
Stddev	.010144	.000693	.017189
%RSD	.3917813	2.067679	.7616697
#1	2.588348	-.032817	2.276154
#2	2.579650	-.034203	2.250432
#3	2.599873	-.033521	2.243541

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2428.627	50710.03	8231.328	1768.907	4107.305
Stddev	5.811	41.04	5.668	4.216	3.448
%RSD	.2392563	.0809403	.0688558	.2383133	.0839393
#1	2422.169	50757.41	8236.286	1764.065	4103.674
#2	2430.280	50685.46	8225.149	1771.763	4110.534
#3	2433.432	50687.21	8232.550	1770.892	4107.707

Sample Name: P4375-28DUP Acquired: 10/14/2024 17:26:08 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.004740	-.004877	.0024514	.0016109	.0061165	-.079301	.1295666
Stddev	.002246	.000904	.0008481	.0022434	.0005565	.008737	.0006065
%RSD	47.38275	18.54070	34.59593	139.2608	9.099088	11.01798	.4680932
#1	-.002170	-.003931	.0017791	.0018812	.0055082	-.071834	.1300661
#2	-.006325	-.004967	.0021709	.0037070	.0066001	-.077159	.1297417
#3	-.005725	-.005733	.0034042	-.000755	.0062412	-.088910	.1288917
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000036	.0098112	175.5765	.0034504	.0014190	.0999214	.0377051
Stddev	.000054	.0000442	.5517	.0003639	.0001693	.0004836	.0004367
%RSD	153.0628	.4502217	.3142224	10.54756	11.93295	.4839477	1.158228
#1	-.000092	.0097613	175.0062	.0032082	.0012559	.0996853	.0372629
#2	-.000031	.0098451	176.1075	.0038690	.0015939	.0996013	.0381361
#3	.000017	.0098273	175.6158	.0032742	.0014070	.1004777	.0377163
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1352712	2.347066	.0048446	.0009250	340.9345	-.000621	18.89407
Stddev	.0007739	.026260	.0003203	.0003233	2.0348	.000979	.03695
%RSD	.5720945	1.118855	6.610380	34.95218	.5968343	157.7210	.1955391
#1	.1345043	2.322822	.0051676	.0007886	338.9598	.000193	18.91262
#2	.1360519	2.343416	.0048391	.0006923	340.8191	-.001707	18.85152
#3	.1352573	2.374961	.0045272	.0012942	343.0245	-.000349	18.91806
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.083972	.0362197	-.002309	-.001231	-.005166	5.254784	.0145146
Stddev	.026225	.0008377	.000060	.000791	.000325	.010264	.0010553
%RSD	.6421367	2.312845	2.582690	64.26490	6.287832	.1953320	7.270858
#1	4.057966	.0370904	-.002244	-.001901	-.005023	5.242954	.0137849
#2	4.083541	.0354195	-.002362	-.000358	-.004937	5.260070	.0140343
#3	4.110410	.0361492	-.002320	-.001433	-.005537	5.261328	.0157247

Sample Name: P4375-28DUP Acquired: 10/14/2024 17:26:08 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	2.670822	-.032710	2.267544
Stddev	.005253	.001629	.003902
%RSD	.1966976	4.980458	.1720973
#1	2.667930	-.031211	2.269687
#2	2.667650	-.034444	2.263040
#3	2.676886	-.032476	2.269905

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2430.551	50346.56	8374.913	1795.740	4069.082
Stddev	5.206	44.52	17.224	9.425	5.684
%RSD	.2141952	.0884197	.2056629	.5248570	.1396811
#1	2435.040	50397.72	8387.351	1806.423	4073.807
#2	2431.769	50325.25	8355.254	1788.599	4070.664
#3	2424.843	50316.70	8382.136	1792.198	4062.775

Sample Name: P4375-28LX5 Acquired: 10/14/2024 17:30:41 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.005348	-.001264	.0006503	.0004775	.0021575	-.025321	.0140964
Stddev	.002225	.002341	.0004380	.0010039	.0006275	.001723	.0004664
%RSD	41.60256	185.1928	67.35259	210.2284	29.08718	6.804323	3.308533

#1	-.003774	-.003592	.0006387	.0003876	.0019914	-.024693	.0138967
#2	-.007894	.001089	.0010940	-.000478	.0028513	-.027269	.0146294
#3	-.004377	-.001289	.0002182	.001523	.0016297	-.023999	.0137631

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001135	.0019585	36.71596	.0007997	.0001928	.0205909	.0091740
Stddev	.0000105	.0000074	.14068	.0002260	.0001351	.0004006	.0044572
%RSD	9.232661	.3778871	.3831686	28.25533	70.07558	1.945388	48.58511

#1	.0001250	.0019526	36.55964	.0005395	.0000504	.0206994	.0073133
#2	.0001045	.0019561	36.83241	.0009131	.0003191	.0209260	.0142601
#3	.0001109	.0019668	36.75582	.0009465	.0002088	.0201472	.0059486

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0286190	.4926603	.0007881	.0009816	66.45731	.0004317	4.784341
Stddev	.0003714	.0124650	.0000578	.0002656	.09063	.0008118	.015856
%RSD	1.297642	2.530144	7.335772	27.05952	.1363763	188.0378	.3314140

#1	.0283402	.4797407	.0007651	.0006801	66.55653	.0000568	4.787536
#2	.0284763	.5046146	.0008539	.0010836	66.43653	-.000125	4.767131
#3	.0290406	.4936254	.0007454	.0011812	66.37888	.001363	4.798356

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.018730	.0085908	-.000633	-.001842	-.001256	1.014345	-.002275
Stddev	.021030	.0000903	.000076	.000714	.000351	.002775	.001627
%RSD	2.064334	1.051134	11.99421	38.76869	27.95704	.2735339	71.50249

#1	.994528	.0086802	-.000704	-.001093	-.001273	1.016054	-.000397
#2	1.029112	.0085925	-.000643	-.001916	-.000897	1.011144	-.003260
#3	1.032551	.0084997	-.000553	-.002516	-.001599	1.015838	-.003168

Sample Name: P4375-28LX5 Acquired: 10/14/2024 17:30:41 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.5066948	-.012983	.4732788
Stddev	.0038646	.001033	.0001605
%RSD	.7626987	7.954975	.0339025

#1	.5111554	-.012807	.4732517
#2	.5043566	-.014092	.4734511
#3	.5045722	-.012049	.4731337

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2718.247	54896.10	8794.571	1989.498	4692.623
Stddev	6.951	103.09	21.163	4.092	6.514
%RSD	.2557255	.1877970	.2406398	.2056560	.1388196

#1	2716.797	54846.84	8792.682	1985.021	4693.718
#2	2725.809	54826.88	8774.415	1993.043	4698.520
#3	2712.135	55014.59	8816.615	1990.430	4685.630

Sample Name: P4375-28MS Acquired: 10/14/2024 17:34:59 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.7716977	1.843568	.8654407	2.031488	.8224493	1.820835	.3845197
Stddev	.0035290	.004012	.0014526	.010796	.0034364	.006142	.0009495
%RSD	.4573028	.2176246	.1678465	.5314096	.4178266	.3372935	.2469429

#1	.7692910	1.847130	.8669813	2.019586	.8185937	1.816067	.3856036
#2	.7700532	1.844353	.8652446	2.034229	.8251893	1.827765	.3841209
#3	.7757488	1.839222	.8640960	2.040648	.8235650	1.818673	.3838347

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1707282	.1883465	227.5798	.3841807	.1916471	.4119609	2.867765
Stddev	.0008859	.0002268	.3286	.0015123	.0002434	.0009506	.016370
%RSD	.5189025	.1204137	.1443682	.3936499	.1269956	.2307483	.5708112

#1	.1699704	.1883255	227.5706	.3828776	.1916985	.4120259	2.886583
#2	.1717022	.1881310	227.9129	.3838256	.1913822	.4109794	2.859891
#3	.1705121	.1885831	227.2560	.3858390	.1918608	.4128772	2.856820

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3620292	4.707162	.4753881	.0754219	442.0570	.2815181	21.89127
Stddev	.0011808	.024175	.0004929	.0002891	4.4830	.0006770	.07422
%RSD	.3261671	.5135877	.1036779	.3832644	1.014122	.2404830	.3390429

#1	.3631741	4.679717	.4752679	.0750888	441.0030	.2807374	21.95309
#2	.3620980	4.716463	.4749665	.0756072	438.1949	.2818736	21.80896
#3	.3608154	4.725305	.4759300	.0755697	446.9731	.2819433	21.91177

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.36702	.2575093	.4089968	.6133852	.1670871	7.469549	6.532976
Stddev	.04943	.0015789	.0006499	.0012846	.0004680	.006468	.015883
%RSD	.3020397	.6131443	.1589094	.2094271	.2801033	.0865873	.2431250

#1	16.35513	.2569016	.4086863	.6147966	.1672932	7.475276	6.551295
#2	16.32462	.2593018	.4085604	.6122842	.1674166	7.462534	6.523060
#3	16.42132	.2563245	.4097438	.6130749	.1665514	7.470837	6.524572

Sample Name: P4375-28MS Acquired: 10/14/2024 17:34:59 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	3.379473	.3117677	3.118324
Stddev	.004475	.0003972	.034894
%RSD	.1324207	.1274179	1.118993
#1	3.384376	.3116131	3.094752
#2	3.375608	.3114710	3.158409
#3	3.378436	.3122190	3.101811

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2340.389	49875.62	8392.171	1767.414	3891.258
Stddev	3.373	52.67	18.610	12.138	1.694
%RSD	.1441172	.1055957	.2217527	.6867442	.0435274
#1	2342.388	49846.08	8398.987	1767.140	3893.051
#2	2342.285	49936.43	8371.114	1779.686	3891.037
#3	2336.495	49844.35	8406.412	1755.416	3889.685

Sample Name: P4375-28MSD Acquired: 10/14/2024 17:39:15 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.7724935	1.843192	.8552070	2.033359	.8231754	1.825276	.3729387
Stddev	.0019530	.020781	.0010664	.004024	.0023331	.003263	.0021621
%RSD	.2528188	1.127429	.1246993	.1979191	.2834285	.1787591	.5797386

#1	.7716966	1.859312	.8552963	2.036491	.8258432	1.821608	.3753378
#2	.7747189	1.850524	.8540987	2.028820	.8215165	1.827856	.3723375
#3	.7710649	1.819739	.8562260	2.034766	.8221665	1.826365	.3711409

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1731672	.1861788	225.5505	.3806691	.1897657	.4093670	2.755350
Stddev	.0007620	.0001414	.6729	.0023458	.0003534	.0000277	.006724
%RSD	.4400275	.0759374	.2983258	.6162352	.1862234	.0067622	.2440355

#1	.1735368	.1860811	224.8385	.3822977	.1894093	.4093384	2.755828
#2	.1736738	.1863409	226.1759	.3817293	.1901159	.4093690	2.748400
#3	.1722909	.1861143	225.6372	.3779804	.1897719	.4093936	2.761823

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3574374	4.713179	.4704013	.0740519	426.1414	.2803037	21.68459
Stddev	.0008600	.013446	.0002487	.0005303	1.4431	.0022010	.07277
%RSD	.2406005	.2852749	.0528758	.7161383	.3386532	.7852021	.3356066

#1	.3573106	4.703019	.4706050	.0736942	426.4428	.2784330	21.61619
#2	.3583538	4.728426	.4701241	.0746611	424.5713	.2827288	21.67653
#3	.3566478	4.708094	.4704749	.0738003	427.4100	.2797493	21.76107

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.83735	.2626627	.4083272	.6076573	.1650952	7.264045	6.400616
Stddev	.04207	.0020266	.0009166	.0008055	.0005838	.058108	.016198
%RSD	.2656362	.7715588	.2244773	.1325640	.3536012	.7999368	.2530770

#1	15.87092	.2605379	.4091126	.6067284	.1651745	7.210508	6.404036
#2	15.79016	.2645742	.4085490	.6080804	.1656352	7.255788	6.414832
#3	15.85096	.2628760	.4073201	.6081631	.1644758	7.325840	6.382981

Sample Name: P4375-28MSD Acquired: 10/14/2024 17:39:15 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	3.332071	.3108684	3.088227
Stddev	.003906	.0024347	.019048
%RSD	.1172283	.7832061	.6167789
#1	3.335019	.3132120	3.101046
#2	3.333553	.3083517	3.066340
#3	3.327640	.3110415	3.097295

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2342.077	50522.50	8230.884	1767.153	3906.692
Stddev	4.754	66.54	11.082	3.563	4.644
%RSD	.2029931	.1316957	.1346448	.2015983	.1188834
#1	2337.807	50567.85	8227.456	1769.195	3904.634
#2	2341.224	50553.53	8221.920	1769.225	3903.431
#3	2347.200	50446.12	8243.275	1763.040	3912.009

Sample Name: P4375-28A Acquired: 10/14/2024 17:43:29 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.7525795	1.772444	.8408783	1.982835	.8082478	1.836679	.3634363
Stddev	.0023135	.007666	.0016116	.002783	.0058503	.006014	.0007587
%RSD	.3074088	.4325169	.1916559	.1403751	.7238202	.3274471	.2087567

#1	.7499161	1.765259	.8390610	1.984576	.8031003	1.832340	.3640297
#2	.7537314	1.771559	.8414399	1.984303	.8146101	1.843544	.3636977
#3	.7540908	1.780514	.8421338	1.979624	.8070332	1.834154	.3625814

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1777388	.1833998	224.5955	.3818893	.1872705	.4001134	2.728676
Stddev	.0002617	.0002598	.6655	.0016454	.0003291	.0007188	.009954
%RSD	.1472380	.1416470	.2963048	.4308464	.1757569	.1796474	.3647880

#1	.1778425	.1833407	223.9014	.3828627	.1869659	.4002210	2.732015
#2	.1779328	.1831746	225.2282	.3799896	.1872260	.3993468	2.717482
#3	.1774412	.1836840	224.6570	.3828156	.1876197	.4007723	2.736530

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3556678	4.734290	.4627038	.0751918	421.1493	.2775390	21.78759
Stddev	.0003991	.017449	.0009186	.0004247	1.6057	.0022449	.05056
%RSD	.1122032	.3685626	.1985252	.5648154	.3812733	.8088578	.2320454

#1	.3558423	4.717916	.4621820	.0756164	422.9795	.2780821	21.84594
#2	.3552112	4.752644	.4621650	.0751921	419.9769	.2750724	21.75696
#3	.3559499	4.732309	.4637645	.0747670	420.4915	.2794626	21.75985

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.90093	.2675228	.4066910	.5959265	.1648448	7.277062	6.037370
Stddev	.02810	.0020908	.0007532	.0010976	.0002156	.002067	.020266
%RSD	.1767127	.7815392	.1852105	.1841815	.1307627	.0284094	.3356801

#1	15.93321	.2652641	.4058424	.5947676	.1650881	7.276640	6.034683
#2	15.88193	.2693905	.4072805	.5960614	.1646779	7.275239	6.018582
#3	15.88765	.2679137	.4069502	.5969503	.1647682	7.279308	6.058846

Sample Name: P4375-28A Acquired: 10/14/2024 17:43:29 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	3.178613	.3175917	3.064277
Stddev	.009433	.0001029	.029227
%RSD	.2967541	.0323950	.9537836

#1	3.177154	.3175324	3.081462
#2	3.169995	.3177105	3.080839
#3	3.188690	.3175322	3.030531

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2387.553	49595.78	8049.195	1731.848	3997.455
Stddev	2.754	104.37	17.215	9.015	4.104
%RSD	.1153318	.2104368	.2138784	.5205163	.1026774

#1	2384.408	49475.44	8047.143	1724.820	3992.806
#2	2388.718	49650.30	8033.097	1728.711	4000.577
#3	2389.532	49661.60	8067.344	1742.011	3998.981

Sample Name: PB164021TB Acquired: 10/14/2024 17:47:43 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.007755	-.005392	-.000135	.0046312	.0015003	.0083719
Stddev	.001048	.001546	.000513	.0026843	.0004213	.0042927
%RSD	13.51653	28.67487	379.6153	57.96192	28.08294	51.27440

#1	-.008804	-.005660	.000025	.0065698	.0018052	.0130891
#2	-.007753	-.003729	-.000710	.0057564	.0010195	.0046949
#3	-.006707	-.006787	.000279	.0015674	.0016761	.0073319

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.017706	-.000062	-.000115	.0315657	.0007242	-.000385
Stddev	.000809	.000005	.000080	.0003027	.0002431	.000113
%RSD	4.568001	8.401048	69.10222	.9587796	33.56653	29.22508

#1	-.017780	-.000057	-.000064	.0312167	.0009675	-.000471
#2	-.016862	-.000067	-.000207	.0317548	.0004814	-.000258
#3	-.018475	-.000062	-.000074	.0317257	.0007236	-.000426

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006833	.0251203	.0051770	-.000139	.0003165	.0012096
Stddev	.0001857	.0026732	.0004764	.009495	.0002002	.0000872
%RSD	27.18160	10.64147	9.202753	6849.620	63.25210	7.205665

#1	.0008898	.0279281	.0057178	.009102	.0004803	.0012789
#2	.0006298	.0248270	.0049942	-.009869	.0000933	.0011118
#3	.0005301	.0226059	.0048191	.000352	.0003759	.0012382

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 376.3691	.0005013	.0024191	.1972739	-.000051	.0004667
Stddev	2.0954	.0004802	.0003825	.0057406	.000392	.0000861
%RSD	.5567399	95.78591	15.81233	2.909961	766.4774	18.44027

#1	377.9050	.0002727	.0019896	.2038976	.000286	.0005072
#2	377.2202	.0010531	.0025445	.1937389	.000042	.0005250
#3	373.9820	.0001781	.0027232	.1941853	-.000481	.0003678

Sample Name: PB164021TB Acquired: 10/14/2024 17:47:43 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0033626	.0003745	.0025776	-.002543	F .0311126	F -.010335
Stddev	.0000950	.0005828	.0059423	.001646	.0018687	.001016
%RSD	2.825206	155.5949	230.5341	64.72581	6.006296	9.826747
#1	.0034264	.0005002	.0094384	-.004221	.0305958	-.009723
#2	.0034080	-.000261	-.000943	-.000930	.0331854	-.011508
#3	.0032534	.000884	-.000762	-.002479	.0295567	-.009776

Elem	Sr4077
Units	ppm
Avg	.0000416
Stddev	.0000089
%RSD	21.46513
#1	.0000503
#2	.0000325
#3	.0000418

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2543.080	51101.99	8304.432	1867.803	4288.994
Stddev	5.100	137.73	42.032	10.636	1.712
%RSD	.2005490	.2695255	.5061444	.5694397	.0399177
#1	2537.449	51004.23	8352.843	1856.733	4287.506
#2	2547.390	51042.22	8283.223	1868.732	4290.865
#3	2544.400	51259.51	8277.228	1877.944	4288.610

Sample Name: PB164077BL Acquired: 10/14/2024 17:52:13 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.006342	-.003114	.0002749	.0013548	-.000024	.0112458
Stddev	.001210	.001407	.0004839	.0006417	.000037	.0027006
%RSD	19.07611	45.18502	176.0112	47.36728	154.7726	24.01444

#1	-.007403	-.004578	-.000246	.0020652	.000012	.0140279
#2	-.005025	-.002992	.000710	.0011821	-.000022	.0110746
#3	-.006597	-.001771	.000361	.0008171	-.000062	.0086348

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.016091	.0000115	-.000074	.0225986	.0004799	-.000262
Stddev	.000198	.0000369	.000052	.0059638	.0001447	.000083
%RSD	1.231046	319.3233	69.34472	26.39009	30.14893	31.52149

#1	-.016307	.0000541	-.000134	.0280550	.0004408	-.000201
#2	-.016047	-.000011	-.000049	.0162320	.0003588	-.000230
#3	-.015918	-.000008	-.000041	.0235087	.0006401	-.000356

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006611	.0201119	.0020062	-.003535	.0001067	.0012650
Stddev	.0001265	.0004054	.0003027	.009278	.0002530	.0000995
%RSD	19.13634	2.015741	15.08703	262.4403	237.2666	7.865207

#1	.0005190	.0196485	.0016737	-.014013	.0000372	.0013061
#2	.0007615	.0204010	.0020792	.003640	.0003872	.0013373
#3	.0007027	.0202862	.0022657	-.000233	-.000104	.0011515

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.112326	-.000826	.0017613	-.018315	.0000581	.0001225
Stddev	.006985	.000519	.0001194	.018567	.0002433	.0001306
%RSD	6.218205	62.85892	6.780828	101.3737	418.4721	106.6130

#1	-.118150	-.000668	.0017536	.002140	.0002843	.0000434
#2	-.104582	-.001405	.0016459	-.022982	-.000199	.0000508
#3	-.114245	-.000404	.0018844	-.034104	.000089	.0002733

Sample Name: PB164077BL Acquired: 10/14/2024 17:52:13 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.000633	-.000637	-.002861	-.001753	.0086743	F -.010235
Stddev	.000099	.000217	.001861	.000748	.0020271	.001691
%RSD	15.56021	33.99764	65.06530	42.69330	23.36870	16.52128
#1	-.000530	-.000774	-.001006	-.002053	.0063539	-.010595
#2	-.000642	-.000750	-.004729	-.002305	.0101003	-.008393
#3	-.000727	-.000388	-.002846	-.000901	.0095688	-.011717

Elem	Sr4077
Units	ppm
Avg	.0000497
Stddev	.0000256
%RSD	51.61561
#1	.0000222
#2	.0000539
#3	.0000729

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2868.960	59452.43	9068.095	2121.787	5285.418
Stddev	5.906	131.38	61.085	14.691	8.321
%RSD	.2058577	.2209891	.6736290	.6924095	.1574243
#1	2873.940	59321.12	9120.858	2110.652	5290.007
#2	2870.506	59452.29	9082.253	2116.270	5290.434
#3	2862.435	59583.88	9001.174	2138.438	5275.814

Sample Name: PB164077BS Acquired: 10/14/2024 17:56:34 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.7220532	1.942281	.8714036	1.837293	.7785688	2.022562
Stddev	.0019811	.004542	.0015209	.004568	.0025428	.008158
%RSD	.2743687	.2338353	.1745348	.2486348	.3266025	.4033485
#1	.7224998	1.940107	.8729329	1.835297	.7764184	2.015608
#2	.7237728	1.947501	.8698913	1.842520	.7779125	2.031542
#3	.7198869	1.939235	.8713866	1.834063	.7813754	2.020535
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1927649	.1877200	.1699239	.9915255	.4147083	.1898438
Stddev	.0009891	.0016956	.0001331	.0044477	.0016479	.0001219
%RSD	.5131303	.9032491	.0783038	.4485694	.3973576	.0642231
#1	.1916927	.1866967	.1699386	.9865978	.4139101	.1899844
#2	.1936419	.1867861	.1697841	.9952423	.4136114	.1897800
#3	.1929602	.1896772	.1700490	.9927365	.4166032	.1897670
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3042589	2.712480	.2386150	1.927682	.4724392	.0726173
Stddev	.0007011	.010765	.0011073	.012078	.0007035	.0001993
%RSD	.2304235	.3968531	.4640368	.6265436	.1489147	.2744940
#1	.3039198	2.716835	.2374224	1.934785	.4730310	.0726552
#2	.3050651	2.720385	.2396104	1.934524	.4716613	.0724017
#3	.3037919	2.700221	.2388123	1.913737	.4726252	.0727949
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.801799	.2958800	.2031699	9.036479	.2412272	.4249866
Stddev	.008795	.0036365	.0007022	.033453	.0005730	.0009552
%RSD	.3139209	1.229049	.3456424	.3702016	.2375348	.2247696
#1	2.797788	.2944501	.2023924	9.025892	.2408249	.4249369
#2	2.811885	.3000141	.2037581	9.073944	.2409734	.4259657
#3	2.795724	.2931757	.2033592	9.009599	.2418833	.4240572

Sample Name: PB164077BS Acquired: 10/14/2024 17:56:34 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.5935011	.1776885	F .6253961	5.283763	F .0248636	F .3429894
Stddev	.0016504	.0010468	.0063209	.022859	.0027849	.0014895
%RSD	.2780845	.5891241	1.010710	.4326246	11.20077	.4342809
#1	.5938564	.1764806	.6272781	5.307199	.0246805	.3412945
#2	.5917020	.1783327	.6305624	5.282563	.0277356	.3435835
#3	.5949450	.1782521	.6183480	5.261528	.0221748	.3440902

Elem	Sr4077
Units	ppm
Avg	.1798960
Stddev	.0006182
%RSD	.3436223
#1	.1792126
#2	.1804162
#3	.1800592

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2792.736	58370.15	8437.962	2058.404	5068.366
Stddev	3.004	189.87	34.962	3.367	6.255
%RSD	.1075611	.3252778	.4143398	.1635950	.1234138
#1	2796.199	58183.24	8455.652	2055.408	5068.825
#2	2791.178	58364.36	8460.545	2057.756	5074.379
#3	2790.831	58562.84	8397.691	2062.048	5061.894

Sample Name: CCV05 Acquired: 10/14/2024 18:00:34 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.809593	5.078264	4.723359	5.082576	5.038113	9.871988
Stddev	.007570	.048304	.006761	.001242	.003887	.024323
%RSD	.1573864	.9511939	.1431331	.0244305	.0771575	.2463862

#1	4.800927	5.126386	4.731151	5.083793	5.038876	9.879820
#2	4.812940	5.029780	4.719867	5.082624	5.041562	9.891430
#3	4.814913	5.078625	4.719058	5.081311	5.033901	9.844713

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.45979	.2325456	2.306945	23.47059	.9772791	2.363449
Stddev	.08961	.0014275	.004467	.07959	.0019277	.003305
%RSD	.8567144	.6138355	.1936124	.3391169	.1972503	.1398238

#1	10.40068	.2341877	2.311930	23.55485	.9793412	2.367094
#2	10.41579	.2318485	2.305600	23.46025	.9755223	2.362606
#3	10.56290	.2316007	2.303306	23.39668	.9769739	2.360647

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.231707	4.504324	2.716729	23.93442	2.361403	1.188528
Stddev	.001612	.006839	.005998	.15053	.003243	.002337
%RSD	.1308985	.1518227	.2207883	.6289328	.1373344	.1965979

#1	1.233353	4.497353	2.720824	24.10817	2.365079	1.191190
#2	1.231637	4.504596	2.719520	23.85182	2.360183	1.186814
#3	1.230131	4.511022	2.709844	23.84327	2.358947	1.187580

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.86326	2.421771	2.282254	23.37882	F 4.466941	5.091696
Stddev	.11529	.005674	.006749	.10152	.030600	.005837
%RSD	.4636981	.2343007	.2957070	.4342378	.6850296	.1146412

#1	24.74804	2.428277	2.286596	23.26196	4.502177	5.096981
#2	24.97862	2.419192	2.285687	23.42924	4.451608	5.092676
#3	24.86313	2.417845	2.274479	23.44526	4.447040	5.085431

Sample Name: CCV05 Acquired: 10/14/2024 18:00:34 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.493728	4.638164	F 4.342881	4.760511	F 4.469865	F .0020664
Stddev	.010018	.006191	.028276	.014150	.009555	.0018847
%RSD	.2229378	.1334785	.6510872	.2972468	.2137629	91.20325
#1	4.504254	4.644490	4.314963	4.770907	4.480694	.0004099
#2	4.492622	4.637882	4.342178	4.766230	4.466281	.0016725
#3	4.484309	4.632118	4.371501	4.744396	4.462620	.0041169

Elem	Sr4077
Units	ppm
Avg	F 4.494668
Stddev	.003882
%RSD	.0863654
#1	4.492363
#2	4.499149
#3	4.492490

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2679.911	55784.04	8318.982	1970.806	4584.000
Stddev	1.819	20.02	40.181	3.071	3.899
%RSD	.0678698	.0358802	.4829990	.1558437	.0850610
#1	2681.906	55776.32	8273.221	1967.472	4585.583
#2	2679.481	55769.04	8335.235	1971.428	4586.859
#3	2678.345	55806.77	8348.490	1973.519	4579.558

Sample Name: CCB05 Acquired: 10/14/2024 18:04:45 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.001460	.0002456	-.000153	.0004774	.0001466	.0020486	-.017042
Stddev	.000062	.0016108	.000692	.0009512	.0005915	.0015558	.000442
%RSD	4.219897	655.9741	451.3648	199.2490	403.3718	75.94477	2.593863
#1	-.001428	-.001530	.000233	.0007042	.0006456	.0007404	-.017340
#2	-.001531	.001614	.000260	.0012947	-.000507	.0037689	-.017252
#3	-.001421	.000653	-.000953	-.000567	.000301	.0016364	-.016534
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001344	-.000017	.0094769	.0002414	-.000057	-.000162	.0024490
Stddev	.0000258	.000019	.0057081	.0001453	.000166	.000306	.0041249
%RSD	19.21559	115.1446	60.23178	60.18338	291.3133	188.8414	168.4328
#1	.0001346	-.000021	.0121607	.0003478	-.000212	-.000433	-.002304
#2	.0001085	-.000034	.0133485	.0003006	-.000079	.000170	.004551
#3	.0001601	.000004	.0029215	.0000759	.000119	-.000223	.005099
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000903	.0001224	-.000178	.0012675	.1404388	.0008217	-.001201
Stddev	.0001697	.0034910	.000236	.0001885	.0191984	.0002465	.000046
%RSD	187.9754	2851.070	132.6569	14.87102	13.67033	30.00485	3.848675
#1	.0002346	.0027025	-.000429	.0012433	.1206276	.0010932	-.001153
#2	-.000097	.0015146	-.000144	.0014669	.1417295	.0007599	-.001207
#3	.000133	-.003850	.000039	.0010922	.1589594	.0006119	-.001245
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3576977	.0036852	.0000684	.0000038	.0000943	-.003527	-.006437
Stddev	.0332370	.0005254	.0001583	.0003495	.0003738	.004745	.002139
%RSD	9.291927	14.25630	231.3968	9226.363	396.4694	134.5417	33.22645
#1	.3207142	.0031073	-.000045	-.000080	-.000334	.001215	-.003980
#2	.3673090	.0041340	.000249	-.000296	.000266	-.008275	-.007880
#3	.3850700	.0038142	.000001	.000388	.000352	-.003520	-.007450

Sample Name: CCB05 Acquired: 10/14/2024 18:04:45 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.005850	-.005427	.0000583
Stddev	.001485	.001413	.0000097
%RSD	25.38080	26.04503	16.64172

#1	-.004210	-.005903	.0000519
#2	-.007103	-.006540	.0000536
#3	-.006238	-.003837	.0000695

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2809.149	59011.51	8920.693	2096.806	5006.502
Stddev	2.338	49.46	26.287	4.433	.884
%RSD	.0832390	.0838215	.2946795	.2114275	.0176661

#1	2809.608	58969.35	8903.390	2092.052	5007.455
#2	2806.615	58999.23	8950.943	2097.540	5006.344
#3	2811.224	59065.96	8907.746	2100.827	5005.707

Sample Name: PB164010TB Acquired: 10/14/2024 18:08:46 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.009904	-.004043	-.000711	.0018197	.0001853	.0095104
Stddev	.000726	.001608	.000630	.0005755	.0004714	.0059638
%RSD	7.325331	39.78433	88.60104	31.62817	254.3842	62.70800

#1	-.010046	-.004802	-.000683	.0020071	.0007099	.0065811
#2	-.009118	-.002195	-.001355	.0022781	-.000203	.0055777
#3	-.010549	-.005131	-.000096	.0011738	.000049	.0163724

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005236	.0000051	-.000135	.0245429	.0007470	-.000311
Stddev	.001372	.0000465	.000015	.0049902	.0002529	.000122
%RSD	26.21126	909.6112	11.04045	20.33243	33.84911	39.30467

#1	-.006623	.0000365	-.000131	.0274620	.0006113	-.000192
#2	-.005205	-.000048	-.000123	.0187809	.0010388	-.000304
#3	-.003879	.000027	-.000152	.0273856	.0005910	-.000436

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006228	.0210594	.0036911	.0116016	.0005906	.0012721
Stddev	.0000484	.0029046	.0001344	.0135592	.0003341	.0001171
%RSD	7.771082	13.79218	3.640015	116.8736	56.55934	9.201170

#1	.0006343	.0207846	.0037218	.0056966	.0006385	.0011731
#2	.0006645	.0240916	.0038075	.0271120	.0002353	.0014013
#3	.0005697	.0183020	.0035441	.0019962	.0008982	.0012418

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 315.0556	-.000316	.0016073	.1710797	.0015489	.0003597
Stddev	1.3443	.000416	.0002425	.0055925	.0004582	.0001032
%RSD	.4266730	131.8062	15.08489	3.268947	29.57932	28.67810

#1	313.8227	.000150	.0018631	.1774521	.0020331	.0003351
#2	316.4887	-.000444	.0015778	.1687997	.0014916	.0004730
#3	314.8554	-.000653	.0013809	.1669874	.0011222	.0002711

Sample Name: PB164010TB Acquired: 10/14/2024 18:08:46 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0031732	.0004314	-.001536	-.001403	F .0188487	-.009641
Stddev	.0008453	.0000484	.003112	.000075	.0013533	.000717
%RSD	26.63815	11.22053	202.5663	5.342078	7.180085	7.434262
#1	.0029535	.0004668	.001538	-.001321	.0203952	-.009202
#2	.0041067	.0003762	-.004685	-.001419	.0178812	-.010468
#3	.0024595	.0004511	-.001462	-.001468	.0182696	-.009253

Elem	Sr4077
Units	ppm
Avg	.0000441
Stddev	.0000300
%RSD	68.00214
#1	.0000572
#2	.0000652
#3	.0000098

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2559.804	53106.81	8518.077	1916.455	4302.318
Stddev	16.826	44.75	25.139	4.096	28.130
%RSD	.6573310	.0842728	.2951212	.2137162	.6538221
#1	2571.657	53148.78	8540.088	1913.058	4318.280
#2	2567.209	53059.71	8523.459	1915.304	4318.837
#3	2540.545	53111.93	8490.682	1921.003	4269.839

Sample Name: P4393-01 Acquired: 10/14/2024 18:13:28 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.008773	-.002529	.0010296	.0009294	.0022521	.2208932	-.005046
Stddev	.001241	.002728	.0006016	.0001710	.0008690	.0027262	.000263
%RSD	14.14590	107.8746	58.42366	18.39514	38.58866	1.234155	5.217760

#1	-.007427	.000384	.0013627	.0008862	.0012508	.2186976	-.005314
#2	-.009873	-.005024	.0013910	.0007843	.0026954	.2239446	-.004788
#3	-.009020	-.002946	.0003352	.0011179	.0028101	.2200374	-.005036

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000729	.0000656	.7260756	.0055773	.0000516	1.944328	1.586876
Stddev	.0000561	.0000842	.0039889	.0002775	.0000818	.002317	.006354
%RSD	76.92432	128.3923	.5493770	4.975410	158.4040	.1191919	.4004250

#1	.0001265	.0001056	.7249712	.0057180	.0001416	1.941837	1.580091
#2	.0000776	.0001223	.7305003	.0052577	.0000314	1.946421	1.592687
#3	.0000146	-.000031	.7227553	.0057564	-.000018	1.944725	1.587850

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0435729	.1224286	.0021627	.0012645	.2353016	.0001700	1.119866
Stddev	.0001138	.0074520	.0001735	.0003660	.0124324	.0005207	.001631
%RSD	.2611223	6.086847	8.020798	28.94578	5.283601	306.2110	.1456248

#1	.0435608	.1155493	.0020189	.0016871	.2215881	.0003361	1.121723
#2	.0434657	.1213916	.0023554	.0010488	.2384816	.0005874	1.118665
#3	.0436923	.1303448	.0021139	.0010576	.2458352	-.000413	1.119210

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3067685	.0022470	.0004371	.0108048	.0080467	.1349367	.0390318
Stddev	.0337272	.0005062	.0002816	.0004454	.0005123	.0013756	.0009072
%RSD	10.99435	22.52819	64.42527	4.122188	6.366638	1.019414	2.324396

#1	.2720075	.0019921	.0007385	.0104227	.0074606	.1365183	.0388332
#2	.3089413	.0028300	.0003918	.0112940	.0082703	.1340192	.0400220
#3	.3393568	.0019189	.0001809	.0106977	.0084091	.1342726	.0382403

Sample Name: P4393-01 Acquired: 10/14/2024 18:13:28 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.6781518	-.007629	.0000951
Stddev	.0023813	.000954	.0000350
%RSD	.3511471	12.50188	36.78089

#1	.6774316	-.008417	.0000627
#2	.6762136	-.007901	.0000904
#3	.6808100	-.006569	.0001322

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2729.787	58646.36	8439.062	2065.690	4892.091
Stddev	2.274	125.39	41.921	7.721	9.069
%RSD	.0833144	.2138139	.4967516	.3737861	.1853814

#1	2728.344	58587.45	8466.625	2059.671	4881.629
#2	2728.608	58561.26	8459.741	2074.396	4897.720
#3	2732.409	58790.36	8390.819	2063.002	4896.924

Sample Name: P4393-01DUP Acquired: 10/14/2024 18:17:46 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.009188	-.003419	.0007925	.0019864	.0004390	.2159542	-.005589
Stddev	.002156	.001161	.0007065	.0003299	.0004483	.0057011	.000634
%RSD	23.46220	33.94989	89.14140	16.60861	102.1216	2.639967	11.35157
#1	-.011608	-.004706	.0000487	.0016058	.0001351	.2223770	-.005040
#2	-.007473	-.002452	.0008742	.0021913	.0002281	.2114925	-.006284
#3	-.008483	-.003098	.0014546	.0021620	.0009539	.2139930	-.005444
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000703	.0000693	.7109705	.0051550	.0001106	1.914022	1.579092
Stddev	.0000421	.0000196	.0100887	.0003443	.0001007	.000626	.010332
%RSD	59.85378	28.32715	1.419010	6.678491	91.08410	.0326851	.6543110
#1	.0000228	.0000481	.7011501	.0055004	.0000562	1.913300	1.589501
#2	.0000851	.0000730	.7104536	.0048118	.0000487	1.914394	1.568838
#3	.0001030	.0000868	.7213078	.0051528	.0002268	1.914372	1.578936
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0431706	.1233364	.0020599	.0012339	.1882357	-.000645	1.121518
Stddev	.0003720	.0136935	.0000318	.0000997	.0090824	.000817	.001349
%RSD	.8616457	11.10254	1.543919	8.081224	4.825014	126.5130	.1202749
#1	.0429328	.1292814	.0020392	.0012044	.1836355	-.000999	1.122210
#2	.0429796	.1330526	.0020965	.0011522	.1823738	.000288	1.119964
#3	.0435992	.1076752	.0020440	.0013450	.1986978	-.001226	1.122380
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3093178	.0017677	.0003547	.0109704	.0079532	.1389049	.0367746
Stddev	.0117498	.0008762	.0002217	.0004713	.0003856	.0055234	.0017432
%RSD	3.798614	49.57165	62.52320	4.296372	4.848228	3.976358	4.740098
#1	.2965529	.0023235	.0003975	.0104516	.0076562	.1406002	.0364786
#2	.3196816	.0007575	.0001146	.0110875	.0083890	.1327327	.0351984
#3	.3117190	.0022219	.0005519	.0113722	.0078145	.1433820	.0386468

Sample Name: P4393-01DUP Acquired: 10/14/2024 18:17:46 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.6524315	-.006891	.0001175
Stddev	.0007293	.001134	.0000086
%RSD	.1117820	16.46204	7.339574

#1	.6523361	-.007936	.0001271
#2	.6517545	-.007051	.0001106
#3	.6532037	-.005685	.0001147

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2763.450	58183.10	8394.140	2036.642	5024.863
Stddev	8.052	223.47	23.336	10.622	8.738
%RSD	.2913569	.3840780	.2780035	.5215433	.1739027

#1	2756.705	57927.80	8416.675	2024.486	5017.469
#2	2761.281	58278.27	8370.078	2041.310	5022.614
#3	2772.364	58343.23	8395.667	2044.131	5034.506

Sample Name: P4393-01LX5 Acquired: 10/14/2024 18:22:04 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.004059	.0004033	.0001197	.0003052	-.000889	.0420529	-.010202
Stddev	.001337	.0010013	.0005121	.0018610	.000734	.0055130	.000519
%RSD	32.94519	248.2478	427.8693	609.8499	82.62940	13.10968	5.090959
#1	-.004594	.0015005	.0004854	.0024306	-.001222	.0377835	-.010801
#2	-.005046	-.000461	-.000466	-.000483	-.000047	.0400983	-.009904
#3	-.002537	.000170	.000339	-.001032	-.001398	.0482769	-.009899
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000886	-.000029	.1705848	.0009413	-.000068	.3964605	.3133793
Stddev	.0000451	.000047	.0067375	.0005307	.000101	.0014628	.0021315
%RSD	50.93002	160.7225	3.949652	56.37934	149.5583	.3689719	.6801523
#1	.0001375	-.000059	.1681085	.0015385	-.000163	.3958639	.3154268
#2	.0000796	-.000054	.1782100	.0005235	.000038	.3953903	.3135383
#3	.0000486	.000025	.1654358	.0007620	-.000078	.3981273	.3111728
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084385	.0390307	.0003451	.0013825	.0546102	-.000509	.2333300
Stddev	.0001292	.0093078	.0001745	.0000965	.0127000	.000682	.0010490
%RSD	1.530427	23.84744	50.57604	6.978025	23.25583	134.1430	.4495635
#1	.0085654	.0286835	.0001511	.0014537	.0408906	.000229	.2322618
#2	.0084428	.0467216	.0004893	.0012727	.0569841	-.000637	.2343586
#3	.0083072	.0416870	.0003950	.0014212	.0659557	-.001118	.2333697
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2327114	.0007742	.0001579	.0019882	.0017190	.0243412	.0014185
Stddev	.0437602	.0001228	.0001916	.0002539	.0000809	.0007518	.0005540
%RSD	18.80449	15.86637	121.3173	12.77036	4.704005	3.088738	39.05467
#1	.1999326	.0008993	.0003773	.0021390	.0017927	.0243456	.0019431
#2	.2157973	.0006538	.0000233	.0016951	.0017319	.0250908	.0008392
#3	.2824041	.0007694	.0000732	.0021306	.0016325	.0235872	.0014734

Sample Name: P4393-01LX5 Acquired: 10/14/2024 18:22:04 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.1341369	-.006698	.0000402
Stddev	.0012412	.000794	.0000168
%RSD	.9253400	11.86064	41.71812
#1	.1355701	-.005918	.0000576
#2	.1334267	-.006671	.0000387
#3	.1334139	-.007506	.0000242

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2834.153	60707.18	8866.977	2101.144	5123.893
Stddev	6.203	76.80	11.813	4.265	13.212
%RSD	.2188774	.1265089	.1332295	.2029841	.2578556
#1	2837.314	60696.79	8871.578	2103.992	5125.890
#2	2838.138	60788.64	8853.556	2096.240	5135.993
#3	2827.005	60636.10	8875.798	2103.199	5109.796

Sample Name: P4393-01MS Acquired: 10/14/2024 18:26:23 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.7417439	1.996712	.9245483	1.922220	.8118000	2.299860	.1964723
Stddev	.0021514	.006243	.0032130	.004676	.0011485	.013484	.0013740
%RSD	.2900512	.3126669	.3475208	.2432744	.1414819	.5863067	.6993260
#1	.7428805	1.989511	.9222939	1.919937	.8107033	2.286485	.1949881
#2	.7430887	2.000588	.9282273	1.919123	.8117025	2.313451	.1976999
#3	.7392625	2.000039	.9231237	1.927599	.8129942	2.299645	.1967290
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1885062	.1785318	2.404769	.4304892	.1995721	2.447318	4.581523
Stddev	.0012886	.0002499	.015687	.0013143	.0003229	.003945	.015256
%RSD	.6835600	.1399750	.6523455	.3053102	.1617740	.1612120	.3329862
#1	.1870751	.1784763	2.387572	.4310178	.1992107	2.443669	4.566645
#2	.1888692	.1788048	2.408440	.4289928	.1996733	2.446782	4.597130
#3	.1895744	.1783144	2.418296	.4314569	.1998322	2.451505	4.580795
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2622393	2.134117	.5043089	.0758190	3.067660	.2964474	1.043199
Stddev	.0030331	.017616	.0004841	.0000802	.028934	.0011814	.001754
%RSD	1.156598	.8254676	.0959939	.1058053	.9432108	.3985050	.1681313
#1	.2587384	2.114220	.5037715	.0757915	3.063931	.2952736	1.044866
#2	.2639036	2.147731	.5044445	.0757562	3.098278	.2964325	1.041370
#3	.2640758	2.140398	.5047107	.0759094	3.040770	.2976361	1.043363
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.126776	.2527170	.4323629	.6396228	.1983933	.9396400	5.764718
Stddev	.039891	.0012195	.0011093	.0020571	.0012987	.0037820	.031327
%RSD	.4370715	.4825709	.2565703	.3216093	.6546108	.4024987	.5434306
#1	9.111205	.2514225	.4312497	.6375424	.1972258	.9353331	5.730289
#2	9.172104	.2528841	.4323706	.6396703	.1997921	.9411675	5.772321
#3	9.097019	.2538444	.4334683	.6416557	.1981621	.9424194	5.791544

Sample Name: P4393-01MS Acquired: 10/14/2024 18:26:23 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.8705083	.3505949	.1799906
Stddev	.0016197	.0028918	.0008843
%RSD	.1860664	.8248304	.4912942
#1	.8723654	.3472866	.1790492
#2	.8697719	.3526417	.1808037
#3	.8693877	.3518563	.1801189

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2665.431	56910.92	8181.784	1968.484	4695.666
Stddev	3.654	111.10	42.531	8.300	1.936
%RSD	.1371066	.1952114	.5198208	.4216574	.0412271
#1	2666.218	56837.89	8230.894	1964.525	4697.888
#2	2668.628	56856.09	8157.429	1962.905	4694.768
#3	2661.447	57038.77	8157.031	1978.023	4694.343

Sample Name: P4393-01MSD Acquired: 10/14/2024 18:30:23 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.7200056	1.965192	.9118986	1.861635	.7971731	2.348211	.1987799
Stddev	.0016956	.029415	.0031575	.004225	.0015019	.011517	.0006568
%RSD	.2355023	1.496784	.3462544	.2269513	.1884047	.4904683	.3304328
#1	.7206662	1.938949	.9083765	1.856840	.7955591	2.335505	.1982136
#2	.7180791	1.959641	.9144757	1.863254	.7974307	2.351164	.1994999
#3	.7212714	1.996987	.9128435	1.864811	.7985296	2.357964	.1986260
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1988730	.1754641	2.453136	.4356207	.1969894	2.407095	4.539404
Stddev	.0001014	.0002451	.003248	.0008319	.0007860	.003792	.016796
%RSD	.0509897	.1396642	.1324138	.1909667	.3990262	.1575486	.3699944
#1	.1987870	.1751942	2.449626	.4354258	.1963131	2.404427	4.524741
#2	.1988472	.1756727	2.453746	.4349035	.1978518	2.411436	4.557728
#3	.1989848	.1755254	2.456036	.4365327	.1968033	2.405422	4.535744
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2688861	2.181398	.4964615	.0766366	3.040991	.3005903	1.050559
Stddev	.0018731	.012185	.0011970	.0002508	.032173	.0008992	.003237
%RSD	.6966313	.5585961	.2411100	.3272590	1.057976	.2991463	.3080780
#1	.2670010	2.173294	.4951699	.0765229	3.004189	.3000504	1.054189
#2	.2707470	2.195412	.4975336	.0769241	3.063787	.3000921	1.047974
#3	.2689103	2.175489	.4966808	.0764627	3.054997	.3016283	1.049513
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.025867	.2660724	.4324400	.6316126	.2020731	.9337121	5.653824
Stddev	.074837	.0002691	.0007772	.0027970	.0006165	.0036044	.010040
%RSD	.8291389	.1011523	.1797230	.4428302	.3051052	.3860349	.1775738
#1	8.942493	.2661987	.4317272	.6284920	.2014791	.9373726	5.642370
#2	9.087230	.2657633	.4323241	.6324524	.2027100	.9335974	5.661099
#3	9.047878	.2662551	.4332686	.6338936	.2020303	.9301664	5.658005

Sample Name: P4393-01MSD Acquired: 10/14/2024 18:30:23 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.8357111	.3598239	.1817402
Stddev	.0026511	.0028851	.0005224
%RSD	.3172268	.8017953	.2874631
#1	.8342953	.3570778	.1811750
#2	.8340684	.3628303	.1822054
#3	.8387695	.3595635	.1818403

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2740.157	56471.36	7827.743	1991.876	4877.570
Stddev	8.004	133.30	20.400	4.065	14.317
%RSD	.2921099	.2360413	.2606081	.2040587	.2935331
#1	2737.350	56328.53	7804.191	1990.621	4873.278
#2	2733.935	56493.12	7839.193	1996.420	4865.890
#3	2749.187	56592.44	7839.846	1988.587	4893.542

Sample Name: P4393-01A Acquired: 10/14/2024 18:34:21 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.7190522	1.971091	.9088705	1.861411	.7973311	2.325869	.2021522
Stddev	.0036723	.023290	.0012874	.006320	.0008409	.006185	.0004910
%RSD	.5107144	1.181604	.1416439	.3395200	.1054647	.2659015	.2428804

#1	.7230893	1.985990	.9093935	1.864721	.7977734	2.320315	.2016844
#2	.7159104	1.983031	.9074040	1.865388	.7978585	2.324757	.2026635
#3	.7181568	1.944251	.9098141	1.854123	.7963613	2.332533	.2021088

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1925161	.1754297	2.454082	.4363357	.1964358	2.403357	4.735668
Stddev	.0008773	.0003224	.018340	.0024132	.0002093	.004749	.020254
%RSD	.4557066	.1837663	.7473340	.5530495	.1065653	.1975864	.4276979

#1	.1918138	.1753762	2.438045	.4335963	.1966548	2.408513	4.718954
#2	.1934995	.1751374	2.450122	.4372637	.1962377	2.402394	4.729857
#3	.1922350	.1757755	2.474078	.4381471	.1964150	2.399163	4.758193

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2701573	2.168139	.4948617	.0771904	3.180723	.2999562	1.062329
Stddev	.0007441	.004371	.0007462	.0004355	.024983	.0012643	.002670
%RSD	.2754335	.2016155	.1507978	.5642317	.7854626	.4214767	.2513203

#1	.2693360	2.168487	.4949816	.0775381	3.151875	.3003434	1.062305
#2	.2707866	2.163603	.4940628	.0767019	3.195281	.2985436	1.065010
#3	.2703494	2.172325	.4955408	.0773312	3.195013	.3009815	1.059671

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.353181	.2565687	.4316044	.6317411	.2026274	.9480483	5.690422
Stddev	.033382	.0013304	.0004948	.0006619	.0014141	.0091407	.012043
%RSD	.3569086	.5185439	.1146472	.1047686	.6978705	.9641630	.2116282

#1	9.329494	.2550875	.4321417	.6321443	.2010325	.9435849	5.686425
#2	9.338689	.2576622	.4311675	.6321017	.2037277	.9419969	5.680887
#3	9.391360	.2569564	.4315040	.6309772	.2031221	.9585632	5.703955

Sample Name: P4393-01A Acquired: 10/14/2024 18:34:21 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.8413244	.3535006	.1840024
Stddev	.0012357	.0014193	.0000639
%RSD	.1468742	.4014952	.0347281
#1	.8420614	.3522043	.1840195
#2	.8398978	.3550171	.1840561
#3	.8420140	.3532805	.1839317

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2745.901	55976.79	8081.016	1992.634	4893.154
Stddev	9.495	19.80	27.673	12.056	11.333
%RSD	.3457889	.0353760	.3424444	.6050512	.2316059
#1	2738.608	55956.09	8066.407	1978.995	4882.998
#2	2742.458	55978.74	8063.709	2001.870	4891.086
#3	2756.637	55995.55	8112.932	1997.037	4905.379

Sample Name: P4394-01 Acquired: 10/14/2024 18:38:21 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.005092	-.002986	.0010160	.0044849	.0010333	.0498945	-.009732
Stddev	.000537	.000639	.0001318	.0009709	.0000656	.0089217	.000634
%RSD	10.54181	21.40111	12.97361	21.64897	6.347015	17.88106	6.515098
#1	-.005697	-.002434	.0011661	.0041146	.0009830	.0505898	-.010052
#2	-.004903	-.003686	.0009634	.0055865	.0010093	.0584482	-.009002
#3	-.004675	-.002838	.0009187	.0037537	.0011075	.0406455	-.010142
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000621	.0005787	20.30869	.0019163	-.000067	.0060815	.2527722
Stddev	.0000130	.0000253	.02251	.0001354	.000175	.0004384	.0035831
%RSD	20.92953	4.374247	.1108499	7.066197	262.4326	7.209151	1.417510
#1	.0000771	.0005888	20.28287	.0018381	-.000258	.0062401	.2513483
#2	.0000548	.0005973	20.31900	.0018382	-.000030	.0055858	.2568483
#3	.0000544	.0005498	20.32421	.0020727	.000087	.0064185	.2501199
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0220639	.2461939	.0002854	.0012170	.0829834	-.000453	.0782989
Stddev	.0001778	.0047541	.0002874	.0001588	.0191566	.001685	.0002659
%RSD	.8057706	1.931018	100.6813	13.05102	23.08482	371.9544	.3395718
#1	.0218708	.2413859	.0002451	.0013126	.0609743	-.001689	.0783060
#2	.0220999	.2463038	.0005908	.0013047	.0920715	-.001136	.0780296
#3	.0222209	.2508921	.0000203	.0010337	.0959045	.001467	.0785612
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1856703	.0013925	.0008578	.0057077	.0031393	.0787895	.0073061
Stddev	.0194872	.0008904	.0000451	.0003898	.0004917	.0064745	.0040037
%RSD	10.49556	63.93933	5.256723	6.828748	15.66377	8.217474	54.79905
#1	.1636574	.0019266	.0008273	.0053763	.0031092	.0726329	.0054927
#2	.1926369	.0018863	.0009096	.0061371	.0036454	.0855409	.0118956
#3	.2007167	.0003647	.0008366	.0056097	.0026633	.0781948	.0045300

Sample Name: P4394-01 Acquired: 10/14/2024 18:38:21 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.4941919	-.007844	.0101444
Stddev	.0031014	.002243	.0000208
%RSD	.6275702	28.60122	.2049876
#1	.4910347	-.005261	.0101212
#2	.4943066	-.008967	.0101613
#3	.4972343	-.009304	.0101508

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2741.069	55543.69	8779.147	1987.077	4909.069
Stddev	8.343	31.99	34.387	4.441	11.600
%RSD	.3043612	.0576031	.3916921	.2234798	.2362919
#1	2735.482	55561.98	8740.858	1982.849	4899.181
#2	2737.067	55506.75	8789.184	1991.703	4906.189
#3	2750.659	55562.35	8807.399	1986.678	4921.838

Sample Name: P4395-01 Acquired: 10/14/2024 18:42:41 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0694285	-.035888	.5878935	-.016645	.0423538	35.27822
Stddev	.0030051	.000677	.0013029	.000087	.0007432	.05972
%RSD	4.328402	1.886346	.2216245	.5210845	1.754825	.1692870

#1	.0660448	-.036508	.5891314	-.016723	.0426697	35.24737
#2	.0704541	-.035990	.5865341	-.016662	.0415048	35.34705
#3	.0717866	-.035166	.5880150	-.016552	.0428868	35.24022

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8148170	.0046921	.0140841	68.69332	.1153646	.0485836
Stddev	.0029581	.0000134	.0001713	.17335	.0021572	.0002222
%RSD	.3630363	.2858451	1.216204	.2523570	1.869855	.4573975

#1	.8121580	.0047072	.0142169	68.50049	.1178132	.0487792
#2	.8180032	.0046875	.0138907	68.83625	.1145359	.0483420
#3	.8142898	.0046816	.0141446	68.74321	.1137447	.0486296

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6847141	87.89853	1.764500	16.35464	.1665323	.0018888
Stddev	.0024246	.33126	.004470	.07160	.0006830	.0002769
%RSD	.3541086	.3768703	.2533159	.4377737	.4101146	14.66103

#1	.6873771	87.56089	1.762314	16.27198	.1670598	.0017216
#2	.6826341	87.91167	1.769642	16.39717	.1657608	.0017363
#3	.6841312	88.22303	1.761543	16.39476	.1667763	.0022084

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.678277	1.011565	1.495089	4.686638	.0564633	.0122267
Stddev	.027159	.001197	.004862	.024726	.0007346	.0000218
%RSD	.2806222	.1182985	.3252172	.5275752	1.301010	.1786896

#1	9.656001	1.012945	1.499018	4.662450	.0570897	.0122482
#2	9.670298	1.010810	1.496597	4.685594	.0556548	.0122273
#3	9.708532	1.010941	1.489651	4.711868	.0566453	.0122045

Sample Name: P4395-01 Acquired: 10/14/2024 18:42:41 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.0360568	2.127758	F 13.47685	1.451845	F 16.69005	.0330984
Stddev	.0002954	.003897	.09375	.004254	.04217	.0005539
%RSD	.8191726	.1831486	.6956563	.2930362	.2526860	1.673482
#1	.0360178	2.130825	13.43524	1.454449	16.73601	.0333835
#2	.0357830	2.123373	13.41111	1.446935	16.65313	.0324600
#3	.0363698	2.129076	13.58421	1.454151	16.68102	.0334516

Elem	Sr4077
Units	ppm
Avg	.2918725
Stddev	.0009373
%RSD	.3211364
#1	.2921472
#2	.2926418
#3	.2908285

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2871.946	60693.06	9539.146	2139.283	4422.987
Stddev	4.361	114.51	36.087	8.338	6.559
%RSD	.1518465	.1886712	.3783022	.3897553	.1482871
#1	2868.453	60562.59	9514.625	2130.303	4419.014
#2	2876.834	60776.87	9522.229	2140.766	4430.557
#3	2870.551	60739.73	9580.583	2146.780	4419.389

Sample Name: PB164106BL Acquired: 10/14/2024 18:46:47 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.003314	.0014702	.0002634	.0007835	-.000553	-.001050	-.010792
Stddev	.000666	.0008013	.0003544	.0008906	.000232	.003061	.000401
%RSD	20.09419	54.50398	134.5579	113.6658	41.85786	291.5896	3.711263

#1	-.002545	.0008858	.0004986	.0000880	-.000802	-.002822	-.010516
#2	-.003704	.0023837	.0004359	.0017872	-.000516	.002484	-.010609
#3	-.003693	.0011411	-.000144	.0004753	-.000343	-.002811	-.011251

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001287	-.000048	.0098139	.0001557	-.000011	-.000268	.0015625
Stddev	.0000321	.000019	.0047083	.0001420	.000212	.000131	.0015407
%RSD	24.93413	39.04488	47.97548	91.20187	2013.930	48.80641	98.60577

#1	.0001624	-.000069	.0146686	.0001707	-.000091	-.000120	.0026605
#2	.0000985	-.000032	.0095062	.0000068	.000230	-.000315	.0022256
#3	.0001252	-.000043	.0052671	.0002897	-.000170	-.000368	-.000199

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000067	.0102622	-.000165	.0013445	-.035973	.0001511	-.001002
Stddev	.000265	.0009636	.000264	.0001232	.017445	.0005967	.000178
%RSD	393.4957	9.389430	159.6968	9.163954	48.49394	394.7473	17.77015

#1	.000238	.0092480	-.000469	.0013546	-.045514	-.000122	-.001136
#2	-.000234	.0111656	-.000025	.0014624	-.046565	.000835	-.001070
#3	-.000207	.0103731	-.000001	.0012166	-.015839	-.000260	-.000800

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1935991	.0000999	.0000655	-.000088	.0002650	-.002911	-.007812
Stddev	.0244147	.0005844	.0001893	.000021	.0006211	.001555	.001162
%RSD	12.61099	584.8367	289.0846	23.23580	234.4017	53.43036	14.87448

#1	.1667195	.0003022	.0002699	-.000083	.0000627	-.001378	-.007651
#2	.1996769	.0005563	.0000303	-.000071	-.000230	-.004488	-.006739
#3	.2144007	-.000559	-.000104	-.000111	.000962	-.002868	-.009046

Sample Name: PB164106BL Acquired: 10/14/2024 18:46:47 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.001809	-.008650	-.000012
Stddev	.001289	.001072	.000026
%RSD	71.27115	12.39212	223.7420

#1	-.002594	-.009757	-.000013
#2	-.000321	-.008576	.000015
#3	-.002512	-.007617	-.000037

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2923.893	58225.62	8907.530	2117.605	5229.343
Stddev	6.023	75.49	22.915	12.800	6.503
%RSD	.2059858	.1296564	.2572528	.6044653	.1243537

#1	2930.798	58152.87	8886.778	2114.746	5230.257
#2	2921.159	58220.41	8932.122	2106.477	5235.341
#3	2919.723	58303.59	8903.689	2131.594	5222.432

Sample Name: CCV06 Acquired: 10/14/2024 18:51:08 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.766044	5.219573	4.802148	4.981570	4.962531	10.02006
Stddev	.004063	.039047	.011094	.002459	.010861	.02225
%RSD	.0852501	.7480930	.2310141	.0493692	.2188654	.2220485
#1	4.762221	5.254807	4.798336	4.984077	4.953665	9.99913
#2	4.765599	5.177592	4.793464	4.979161	4.959282	10.01761
#3	4.770311	5.226320	4.814645	4.981470	4.974646	10.04343
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.956013	.2483180	2.347527	24.02363	1.003205	2.397036
Stddev	.063821	.0010615	.006517	.10893	.001657	.006967
%RSD	.6410303	.4274742	.2775930	.4534476	.1651804	.2906624
#1	9.882691	.2477610	2.343085	23.98000	1.005070	2.392302
#2	9.999083	.2476508	2.344488	23.94328	1.001901	2.393770
#3	9.986265	.2495420	2.355008	24.14762	1.002645	2.405037
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.217979	4.505995	2.748464	24.82690	2.393753	1.211442
Stddev	.002156	.012216	.009101	.14909	.006087	.001444
%RSD	.1770295	.2711076	.3311273	.6005252	.2542821	.1191889
#1	1.217448	4.517874	2.744322	24.70694	2.388819	1.210051
#2	1.216137	4.506643	2.742171	24.77994	2.391884	1.211341
#3	1.220351	4.493468	2.758899	24.99382	2.400555	1.212934
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.28824	2.453194	2.431160	22.83447	4.716224	5.114719
Stddev	.15114	.000812	.009069	.11399	.023758	.011004
%RSD	.6222919	.0330863	.3730249	.4992065	.5037494	.2151469
#1	24.41379	2.452751	2.421198	22.89392	4.706172	5.108744
#2	24.33046	2.454131	2.438936	22.90644	4.699144	5.107995
#3	24.12048	2.452701	2.433347	22.70304	4.743355	5.127418

Sample Name: CCV06 Acquired: 10/14/2024 18:51:08 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.590654	4.681422	F 4.314262	4.908881	F 4.490520	F .0007204
Stddev	.016920	.009265	.023674	.006055	.016901	.0015278
%RSD	.3685814	.1979044	.5487461	.1233450	.3763706	212.0667
#1	4.581085	4.688273	4.292399	4.901891	4.480966	.0001084
#2	4.580687	4.670881	4.339405	4.912290	4.480561	-.000406
#3	4.610191	4.685112	4.310982	4.912464	4.510034	.002459

Elem	Sr4077
Units	ppm
Avg	4.526371
Stddev	.007047
%RSD	.1556917
#1	4.520564
#2	4.524338
#3	4.534211

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2778.773	55526.97	8010.428	2006.892	4692.207
Stddev	4.914	67.56	26.350	11.289	9.681
%RSD	.1768255	.1216673	.3289515	.5625170	.2063169
#1	2781.077	55482.66	8020.375	2019.926	4696.086
#2	2782.112	55493.53	8030.358	2000.520	4699.347
#3	2773.131	55604.73	7980.552	2000.229	4681.189

Sample Name: CCB06 Acquired: 10/14/2024 18:55:19 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.002003	.0018072	-.000295	.0004229	-.000315	-.000535	-.010575
Stddev	.001525	.0017920	.000432	.0018639	.000239	.003714	.000549
%RSD	76.11289	99.15667	146.1523	440.7502	76.12409	694.1039	5.188640
#1	-.002919	-.000130	.000081	.0016419	-.000297	-.001851	-.009941
#2	-.000243	.002147	-.000200	-.001723	-.000085	-.003411	-.010878
#3	-.002847	.003405	-.000767	.001350	-.000563	.003657	-.010905
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001445	.0000093	.0131434	.0002809	-.000218	-.000085	.0036258
Stddev	.0000373	.0000205	.0081224	.0004173	.000074	.000127	.0034957
%RSD	25.82958	220.9857	61.79848	148.5524	34.00876	149.5988	96.41204
#1	.0001542	.0000026	.0200973	.0005791	-.000257	-.000202	.0075974
#2	.0001761	-.000007	.0042161	.0004596	-.000133	-.000102	.0010159
#3	.0001033	.000032	.0151168	-.000196	-.000264	.000050	.0022640
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000766	-.001598	-.000256	.0007642	-.039876	-.000069	-.001070
Stddev	.0002795	.005984	.000071	.0001423	.005370	.000983	.000309
%RSD	364.9450	374.3576	27.84727	18.62799	13.46789	1429.330	28.84198
#1	-.000015	.003969	-.000258	.0006002	-.042297	-.000256	-.000732
#2	-.000146	-.007926	-.000184	.0008557	-.043609	-.000945	-.001144
#3	.000390	-.000838	-.000327	.0008367	-.033721	.000995	-.001336
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1824950	.0041763	.0002085	-.000113	-.000210	.0004231	-.007627
Stddev	.0157615	.0002711	.0001375	.000097	.000391	.0046005	.001042
%RSD	8.636670	6.491274	65.96436	85.74044	186.0171	1087.383	13.66614
#1	.1642952	.0044758	.0001316	-.000109	-.000042	-.004189	-.008316
#2	.1916224	.0041053	.0003673	-.000018	-.000657	.000447	-.006428
#3	.1915673	.0039477	.0001266	-.000211	.000069	.005012	-.008137

Sample Name: CCB06 Acquired: 10/14/2024 18:55:19 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.001631	-.006066	.0000244
Stddev	.000674	.001369	.0000450
%RSD	41.34344	22.56162	184.5782

#1	-.001916	-.005604	-.000027
#2	-.000861	-.004989	.000055
#3	-.002116	-.007607	.000046

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2876.402	57362.08	9085.234	2104.210	5127.294
Stddev	7.080	173.70	8.709	10.991	6.718
%RSD	.2461549	.3028193	.0958600	.5223449	.1310247

#1	2878.690	57161.50	9079.582	2093.877	5131.764
#2	2882.055	57463.15	9095.263	2102.993	5130.549
#3	2868.460	57461.58	9080.856	2115.758	5119.568

Sample Name: PB164106BS Acquired: 10/14/2024 18:59:20 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.7315627	2.024059	.9194648	1.928713	.7841453	1.948474
Stddev	.0016947	.010008	.0010802	.003316	.0021017	.002591
%RSD	.2316600	.4944654	.1174787	.1719353	.2680311	.1329583

#1	.7303441	2.028353	.9192884	1.930551	.7843732	1.945511
#2	.7308459	2.031204	.9184837	1.924885	.7819388	1.949600
#3	.7334980	2.012621	.9206224	1.930704	.7861237	1.950311

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1822205	.1951553	.1788099	.9589910	.4096907	.1937751
Stddev	.0007183	.0007803	.0002191	.0025708	.0008171	.0002580
%RSD	.3941817	.3998491	.1225630	.2680741	.1994409	.1331227

#1	.1814616	.1959914	.1786824	.9612464	.4096408	.1936762
#2	.1823103	.1944463	.1786844	.9595349	.4105317	.1935813
#3	.1828897	.1950282	.1790630	.9561918	.4088998	.1940679

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3075410	2.680847	.2178459	1.908977	.4864032	.0742633
Stddev	.0010228	.001235	.0006026	.003651	.0005594	.0003163
%RSD	.3325662	.0460564	.2766207	.1912737	.1150005	.4259287

#1	.3066619	2.682176	.2184873	1.913168	.4867617	.0739892
#2	.3072977	2.680629	.2172916	1.906481	.4857586	.0746094
#3	.3086635	2.679736	.2177588	1.907282	.4866892	.0741913

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.802068	.2863851	.2001755	9.011893	.2658925	.4048849
Stddev	.006454	.0010015	.0000818	.041968	.0019679	.0005008
%RSD	.2303153	.3496960	.0408633	.4656936	.7400966	.1236762

#1	2.794933	.2852292	.2001920	8.963433	.2679577	.4046706
#2	2.803774	.2869343	.2002478	9.036043	.2640392	.4045269
#3	2.807497	.2869919	.2000867	9.036203	.2656807	.4054571

Sample Name: PB164106BS Acquired: 10/14/2024 18:59:20 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.6169754	.1745280	F .6306610	5.698161	F -.013078	F .3367632
Stddev	.0014645	.0000833	.0012393	.011978	.002012	.0026446
%RSD	.2373713	.0477367	.1965015	.2102119	15.38324	.7853043
#1	.6152908	.1745801	.6318876	5.704922	-.015387	.3375481
#2	.6179449	.1745719	.6294094	5.705231	-.012150	.3338149
#3	.6176907	.1744319	.6306861	5.684331	-.011698	.3389264

Elem	Sr4077
Units	ppm
Avg	.1722098
Stddev	.0004027
%RSD	.2338191
#1	.1723105
#2	.1717663
#3	.1725525

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2792.967	56656.36	8361.374	2051.327	4913.639
Stddev	7.475	113.32	16.104	1.087	9.020
%RSD	.2676198	.2000106	.1926036	.0530131	.1835724
#1	2796.109	56724.68	8343.519	2050.095	4919.957
#2	2798.357	56525.55	8374.801	2051.732	4917.650
#3	2784.434	56718.85	8365.804	2052.153	4903.309

Sample Name: PB163999BL Acquired: 10/14/2024 19:03:19 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.003730	.0002060	-.000279	.0004791	-.000373	-.000103	-.009515
Stddev	.000656	.0004236	.000373	.0011553	.000878	.003619	.000201
%RSD	17.57952	205.6543	133.6639	241.1538	235.5267	3509.210	2.107361
#1	-.003525	.0006926	-.000563	.0012530	-.001311	-.000062	-.009706
#2	-.004464	-.000081	.000143	.0010331	-.000234	.003495	-.009532
#3	-.003202	.000007	-.000418	-.000849	.000427	-.003742	-.009306
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001314	.0000081	.0158336	.0004376	-.000165	.0001154	.0020067
Stddev	.0000146	.0001144	.0084706	.0001959	.000140	.0002152	.0021660
%RSD	11.12619	1407.487	53.49744	44.77605	84.74810	186.4311	107.9404
#1	.0001377	.0000659	.0244379	.0006511	-.000168	-.000128	-.000028
#2	.0001147	-.000124	.0155593	.0002659	-.000024	.000281	.004284
#3	.0001417	.000082	.0075035	.0003958	-.000303	.000193	.001765
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000110	.0054173	-.000118	.0010991	-.066409	-.000566	-.001371
Stddev	.000205	.0035659	.000278	.0001138	.016019	.000373	.000067
%RSD	186.4535	65.82296	235.2666	10.35243	24.12198	65.88845	4.883038
#1	-.000057	.0038105	-.000007	.0009836	-.084534	-.000996	-.001322
#2	.000063	.0029376	-.000435	.0011026	-.060548	-.000366	-.001345
#3	-.000336	.0095039	.000087	.0012111	-.054146	-.000335	-.001447
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1377093	.0017173	.0000567	.0001619	.0002856	-.007884	-.006548
Stddev	.0303646	.0004997	.0000735	.0005809	.0003213	.000812	.000041
%RSD	22.04974	29.09816	129.7325	358.7731	112.5160	10.30175	.6196533
#1	.1067444	.0022446	-.000009	.0000666	-.000010	-.007333	-.006544
#2	.1389481	.0016568	.000136	-.000365	.000239	-.008817	-.006591
#3	.1674355	.0012507	.000043	.000785	.000628	-.007502	-.006510

Sample Name: PB163999BL Acquired: 10/14/2024 19:03:19 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.002770	-.007449	-.000018
Stddev	.002330	.000167	.000015
%RSD	84.11431	2.244323	82.58347
#1	-.000826	-.007532	-.000002
#2	-.002132	-.007559	-.000021
#3	-.005353	-.007257	-.000032

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2883.866	58197.90	8750.169	2084.813	5234.191
Stddev	5.819	209.14	23.573	10.061	3.577
%RSD	.2017682	.3593564	.2694019	.4825840	.0683442
#1	2877.993	57966.33	8723.104	2090.169	5230.200
#2	2883.975	58254.33	8761.189	2073.207	5235.264
#3	2889.629	58373.03	8766.213	2091.063	5237.109

Sample Name: PB163999BS Acquired: 10/14/2024 19:07:40 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.7290255	2.061553	.9303909	1.924667	.7937206	1.934854
Stddev	.0003914	.015195	.0002706	.007198	.0013167	.009893
%RSD	.0536921	.7370554	.0290801	.3739948	.1658938	.5112961
#1	.7291992	2.048211	.9305917	1.923068	.7946820	1.923637
#2	.7285772	2.058356	.9304977	1.918403	.7922198	1.942337
#3	.7292999	2.078092	.9300832	1.932530	.7942601	1.938587
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1859445	.1897849	.1801634	.9653030	.4181641	.1960181
Stddev	.0008050	.0015329	.0003460	.0041133	.0023114	.0000603
%RSD	.4329306	.8077064	.1920625	.4261164	.5527487	.0307847
#1	.1854011	.1884894	.1804182	.9626486	.4156919	.1960505
#2	.1855631	.1893880	.1803025	.9632192	.4185289	.1959485
#3	.1868694	.1914772	.1797695	.9700412	.4202713	.1960553
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3075280	2.840300	.2168206	1.919572	.4913243	.0755057
Stddev	.0004611	.017007	.0016004	.001820	.0009251	.0003235
%RSD	.1499262	.5987662	.7381142	.0948024	.1882859	.4284940
#1	.3077822	2.831562	.2156513	1.921089	.4922843	.0757413
#2	.3069958	2.859899	.2161660	1.917554	.4904386	.0751368
#3	.3078059	2.829438	.2186445	1.920072	.4912501	.0756390
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.872898	.2869175	.2063971	9.448410	.2562765	.4112854
Stddev	.005110	.0028481	.0011842	.011409	.0008007	.0003526
%RSD	.1778808	.9926487	.5737351	.1207500	.3124363	.0857221
#1	2.871884	.2838154	.2075874	9.441888	.2561157	.4109554
#2	2.878439	.2894143	.2063848	9.461584	.2555684	.4112438
#3	2.868370	.2875229	.2052191	9.441759	.2571454	.4116569

Sample Name: PB163999BS Acquired: 10/14/2024 19:07:40 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	.6279768	.1762651	F .6710995	5.694055	F -.013497	F .3269135
Stddev	.0011956	.0001836	.0050429	.008719	.001205	.0000765
%RSD	.1903931	.1041588	.7514446	.1531300	8.925306	.0234006
#1	.6287639	.1761061	.6719180	5.687615	-.013958	.3268828
#2	.6266009	.1762232	.6756831	5.690572	-.012130	.3270006
#3	.6285654	.1764661	.6656973	5.703977	-.014403	.3268572

Elem	Sr4077
Units	ppm
Avg	.1740375
Stddev	.0005030
%RSD	.2890383
#1	.1735315
#2	.1740434
#3	.1745375

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2835.769	56300.24	8785.335	2049.864	4974.376
Stddev	.604	7.31	37.855	9.964	4.830
%RSD	.0213036	.0129915	.4308918	.4860812	.0970937
#1	2835.712	56293.03	8811.640	2040.264	4971.046
#2	2836.400	56300.03	8802.415	2049.173	4972.166
#3	2835.196	56307.65	8741.949	2060.156	4979.915

Sample Name: CCV07 Acquired: 10/14/2024 19:11:40 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.865021	5.320919	4.857130	5.100733	5.027406	9.942699
Stddev	.002362	.041699	.005629	.001141	.005283	.016734
%RSD	.0485416	.7836792	.1158999	.0223781	.1050846	.1683060

#1	4.862740	5.351804	4.862832	5.099882	5.022930	9.943887
#2	4.867456	5.273486	4.856980	5.100287	5.026056	9.958807
#3	4.864868	5.337467	4.851577	5.102030	5.033234	9.925402

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.17474	.2367352	2.377221	24.03993	.9973019	2.421920
Stddev	.07983	.0010918	.001437	.04422	.0057933	.001591
%RSD	.7845630	.4611780	.0604625	.1839319	.5808960	.0656729

#1	10.23198	.2368457	2.378527	24.07217	1.003907	2.423392
#2	10.20868	.2377676	2.377454	24.05809	.994917	2.422137
#3	10.08355	.2355924	2.375681	23.98952	.993081	2.420233

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.236523	4.568938	2.731201	24.51998	2.422900	1.203334
Stddev	.002191	.009863	.012425	.02409	.002243	.002097
%RSD	.1771643	.2158785	.4549140	.0982436	.0925744	.1742971

#1	1.234134	4.576790	2.734511	24.54320	2.424015	1.205753
#2	1.238439	4.572158	2.741636	24.52163	2.424367	1.202238
#3	1.236996	4.557868	2.717457	24.49511	2.420318	1.202013

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.86234	2.456173	2.434363	23.44543	4.518988	5.147157
Stddev	.11114	.005567	.001157	.10395	.011739	.000633
%RSD	.4470278	.2266475	.0475440	.4433520	.2597636	.0123067

#1	24.97129	2.457914	2.435311	23.56150	4.514853	5.146648
#2	24.86660	2.460661	2.433073	23.41386	4.532234	5.147867
#3	24.74913	2.449943	2.434706	23.36093	4.509876	5.146957

Sample Name: CCV07 Acquired: 10/14/2024 19:11:40 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.662575	4.689935	F 4.401201	5.011103	4.606776	F .0000479
Stddev	.003500	.013539	.037141	.003139	.003602	.0010274
%RSD	.0750733	.2886921	.8438940	.0626355	.0781976	2143.523
#1	4.663880	4.690115	4.406574	5.008885	4.606681	.0003840
#2	4.658610	4.703383	4.361665	5.014694	4.603223	.0008651
#3	4.665235	4.676306	4.435363	5.009729	4.610426	-.001105

Elem	Sr4077
Units	ppm
Avg	4.574135
Stddev	.026628
%RSD	.5821515
#1	4.584207
#2	4.594258
#3	4.543939

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2733.595	55832.83	8331.893	2007.615	4600.653
Stddev	3.803	177.48	17.758	2.324	4.288
%RSD	.1391383	.3178848	.2131276	.1157361	.0931999
#1	2737.008	55636.77	8332.834	2005.468	4599.309
#2	2729.495	55982.55	8313.683	2010.082	4597.198
#3	2734.282	55879.17	8349.161	2007.294	4605.452

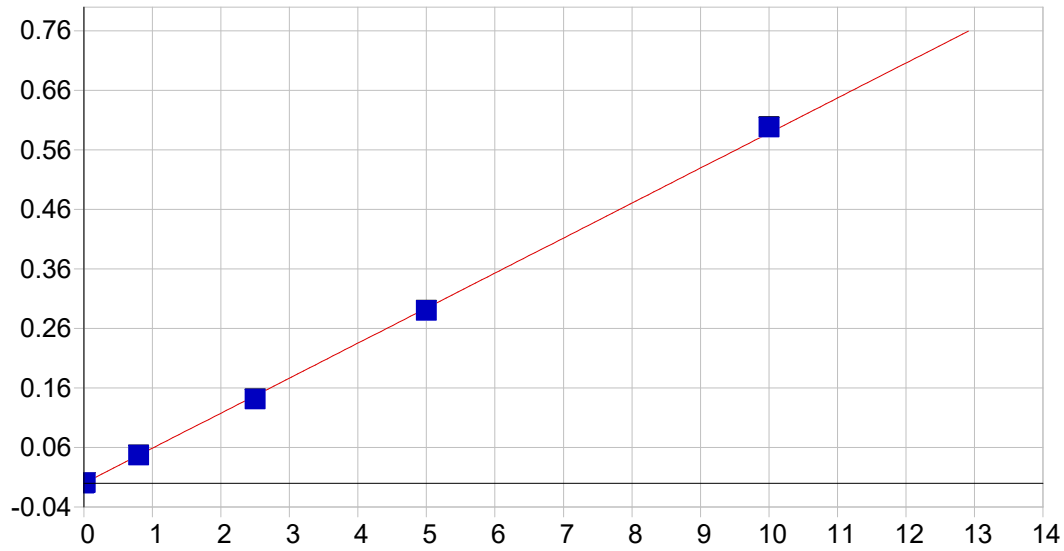
Sample Name: CCB07 Acquired: 10/14/2024 19:15:51 Type: Unk
Method: NON EPA-6010-200.7(v2430) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002971	.0003893	-.000286	-.000951	-.000029	-.001870	-.007973
Stddev	.001119	.0011048	.000362	.000711	.000514	.003713	.000184
%RSD	37.68123	283.8180	126.3240	74.81375	1757.352	198.5858	2.303552
#1	-.002506	-.000660	-.000129	-.001733	.000554	-.002116	-.007969
#2	-.004248	.001542	-.000700	-.000775	-.000227	-.005454	-.007791
#3	-.002159	.000285	-.000030	-.000344	-.000415	.001960	-.008158
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001434	.0000004	.0063738	-.000114	-.000128	-.000163	.0029377
Stddev	.0000310	.0000491	.0121783	.000235	.000173	.000205	.0015046
%RSD	21.61950	10930.93	191.0679	205.4707	134.9051	125.6422	51.21821
#1	.0001251	-.000055	-.001126	.000142	.000029	-.000072	.0046464
#2	.0001259	.000037	.020425	-.000165	-.000313	-.000398	.0023556
#3	.0001792	.000019	-.000178	-.000320	-.000100	-.000020	.0018111
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000016	-.000464	-.000161	.0012198	-.077394	.0004542	-.001238
Stddev	.000223	.006174	.000088	.0002370	.010829	.0001591	.000156
%RSD	1360.993	1329.320	54.33794	19.43136	13.99225	35.03635	12.60619
#1	.000103	.006007	-.000172	.0010150	-.089882	.0002941	-.001132
#2	.000122	-.001110	-.000243	.0011650	-.071707	.0004562	-.001417
#3	-.000274	-.006290	-.000069	.0014795	-.070593	.0006124	-.001164
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1414360	.0048640	.0002470	-.000156	-.000361	-.002051	-.008009
Stddev	.0239658	.0003163	.0000427	.000709	.000535	.002283	.000631
%RSD	16.94459	6.502952	17.29416	455.2333	147.9989	111.3252	7.875434
#1	.1139462	.0045991	.0002617	-.000274	-.000884	-.004342	-.008661
#2	.1579358	.0047786	.0002804	.000605	-.000385	.000225	-.007402
#3	.1524260	.0052142	.0001989	-.000799	.000185	-.002036	-.007963

Sample Name: CCB07 Acquired: 10/14/2024 19:15:51 Type: Unk
Method: NON EPA-6010-200.7(v2430) 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	-.002972	-.006657	.0000242
Stddev	.002063	.001227	.0000147
%RSD	69.38987	18.42480	60.51498
#1	-.005206	-.005243	.0000306
#2	-.002571	-.007297	.0000347
#3	-.001140	-.007432	.0000075

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2851.381	58408.31	9029.095	2123.498	5035.589
Stddev	4.989	57.09	26.457	6.507	8.955
%RSD	.1749644	.0977435	.2930238	.3064121	.1778344
#1	2849.784	58348.78	9012.038	2126.888	5044.221
#2	2856.973	58413.55	9015.675	2115.996	5036.203
#3	2847.386	58462.60	9059.574	2127.610	5026.342

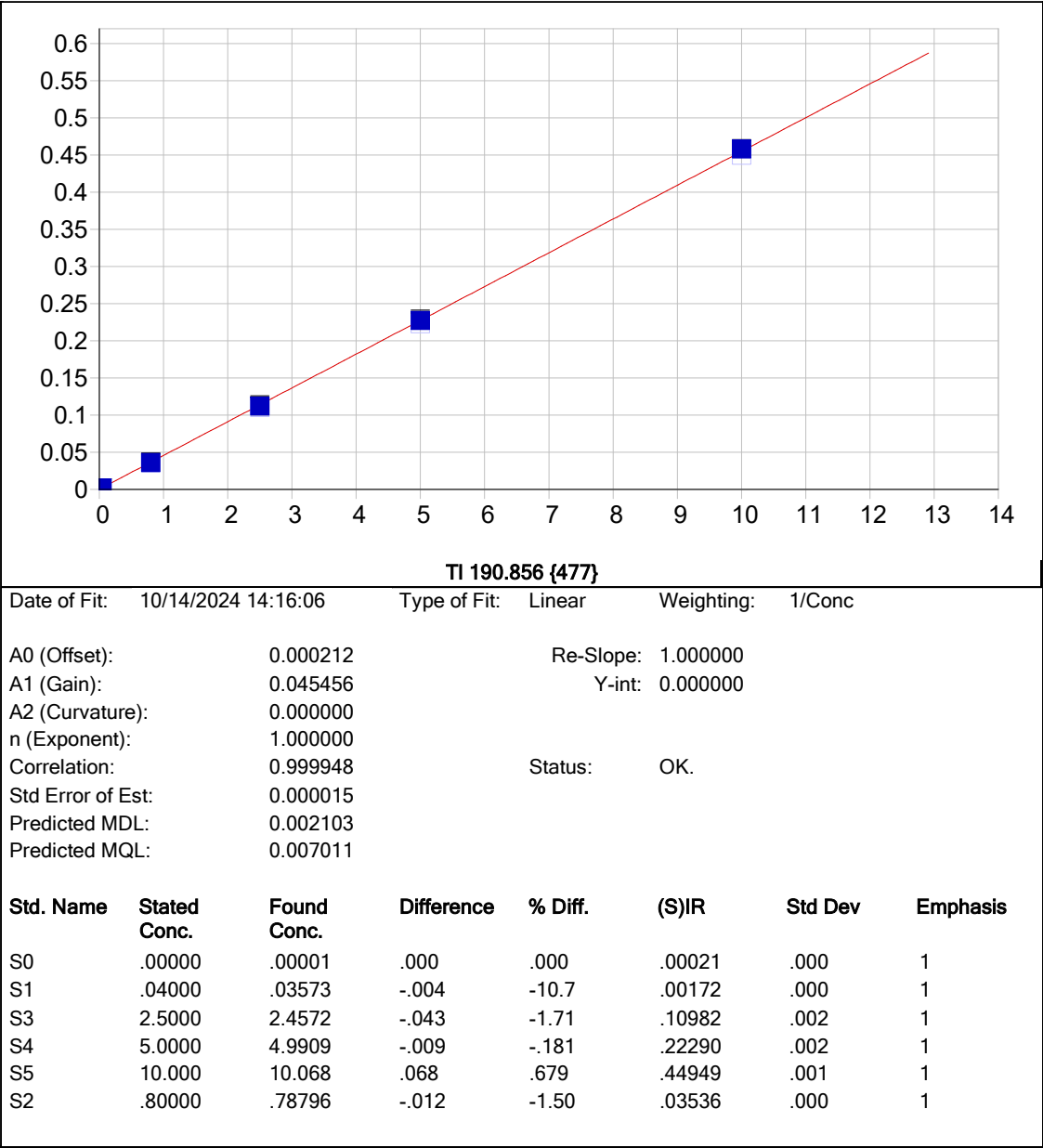


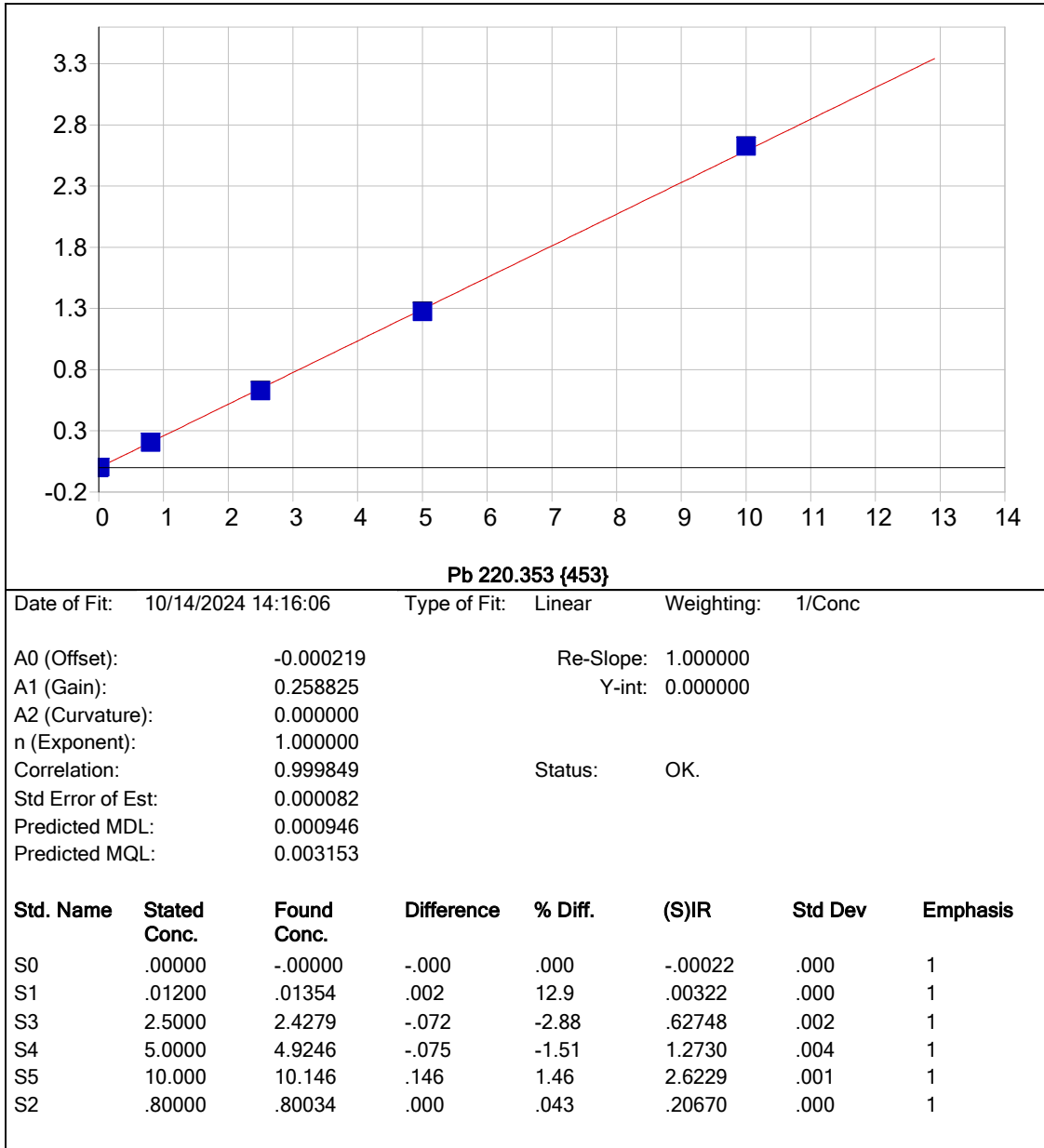
As 189.042 {479}

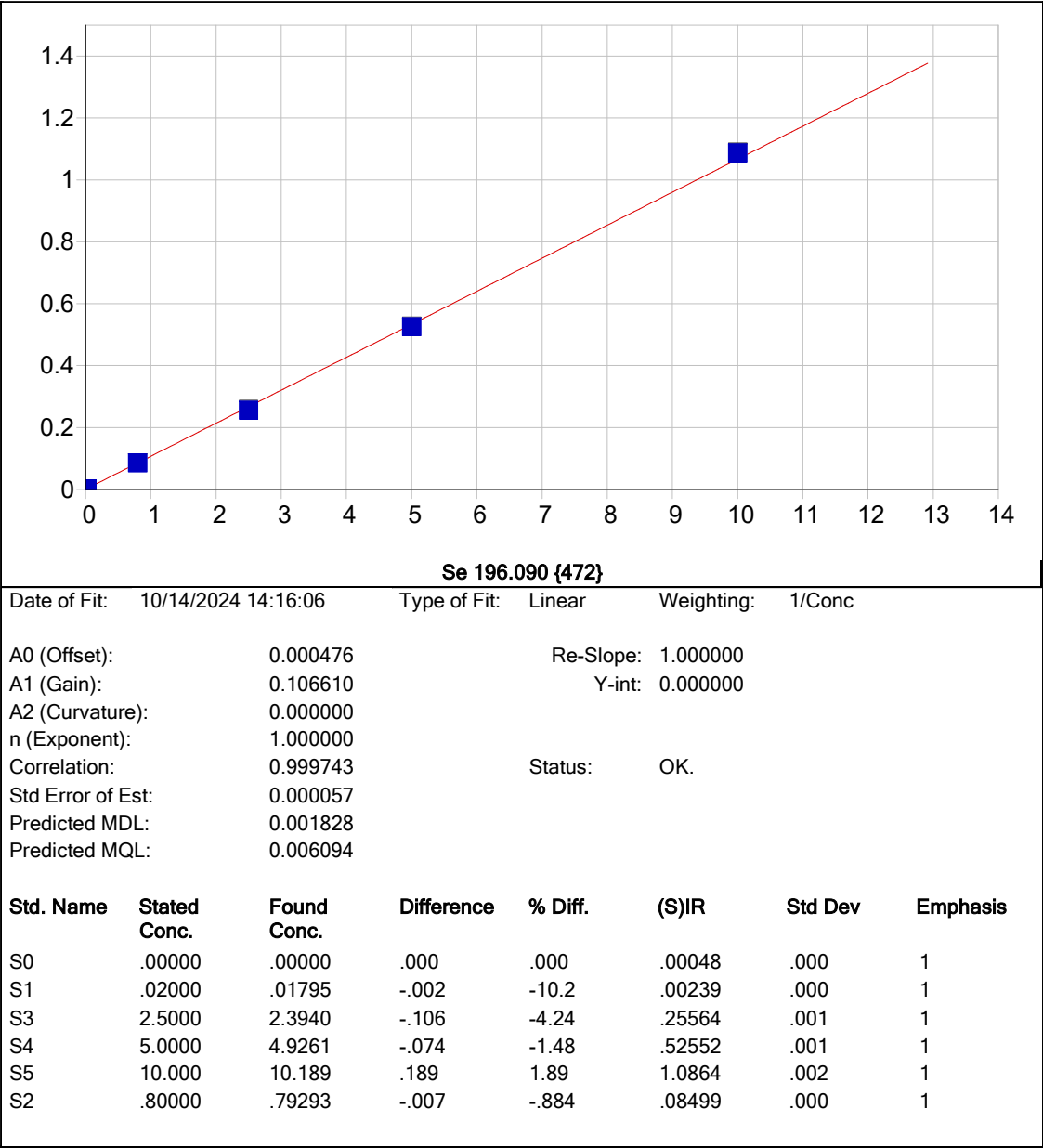
Date of Fit: 10/14/2024 14:16:06 Type of Fit: Linear Weighting: 1/Conc

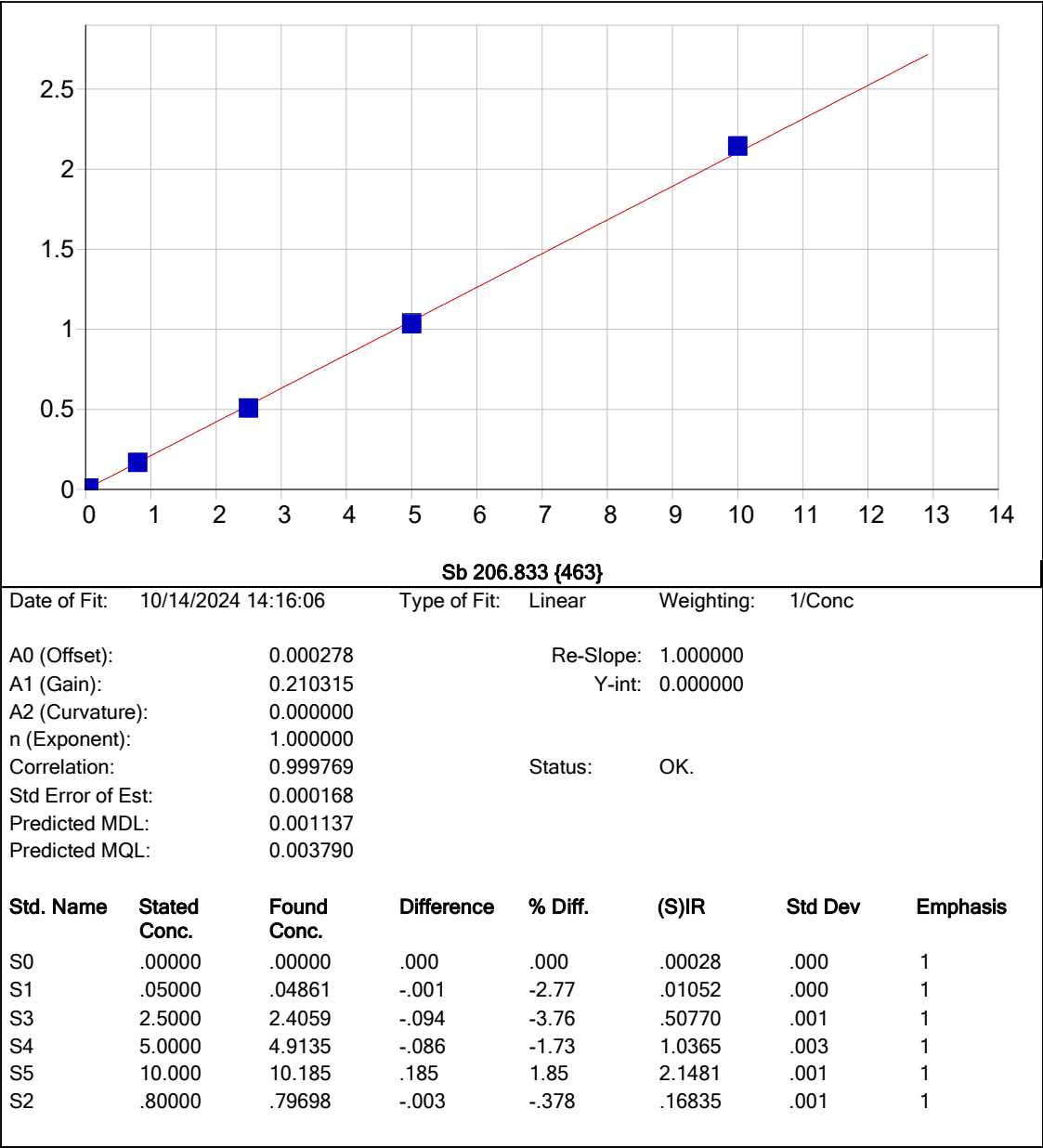
A0 (Offset): -0.000033 Re-Slope: 1.000000
A1 (Gain): 0.058843 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999776 Status: OK.
Std Error of Est: 0.000029
Predicted MDL: 0.002317
Predicted MQL: 0.007723

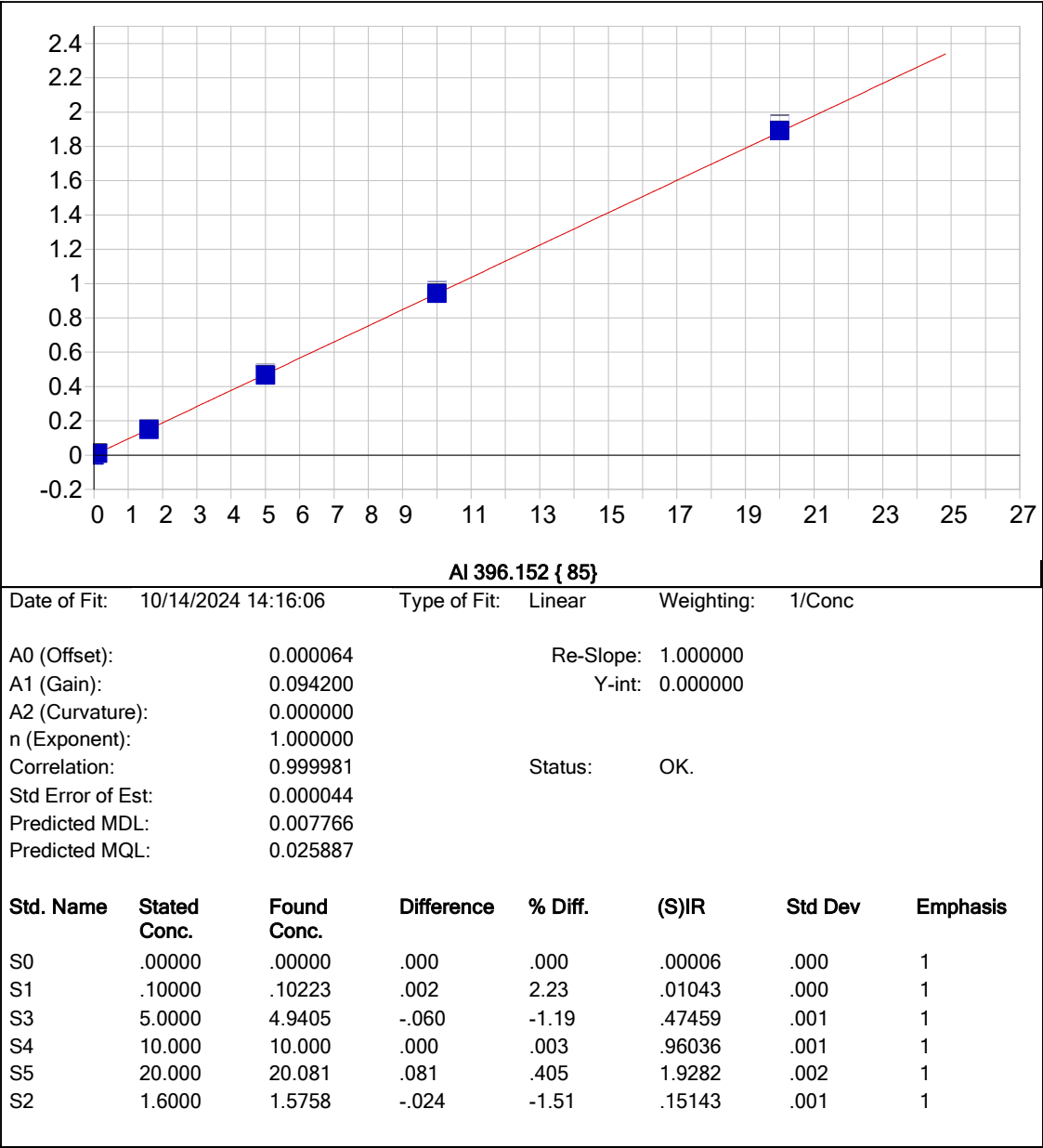
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00003	.000	1
S1	.02000	.01769	-.002	-11.6	.00100	.000	1
S3	2.5000	2.3997	-.100	-4.01	.14102	.000	1
S4	5.0000	4.9327	-.067	-1.35	.28991	.000	1
S5	10.000	10.173	.173	1.73	.59795	.000	1
S2	.80000	.79682	-.003	-.398	.04680	.000	1

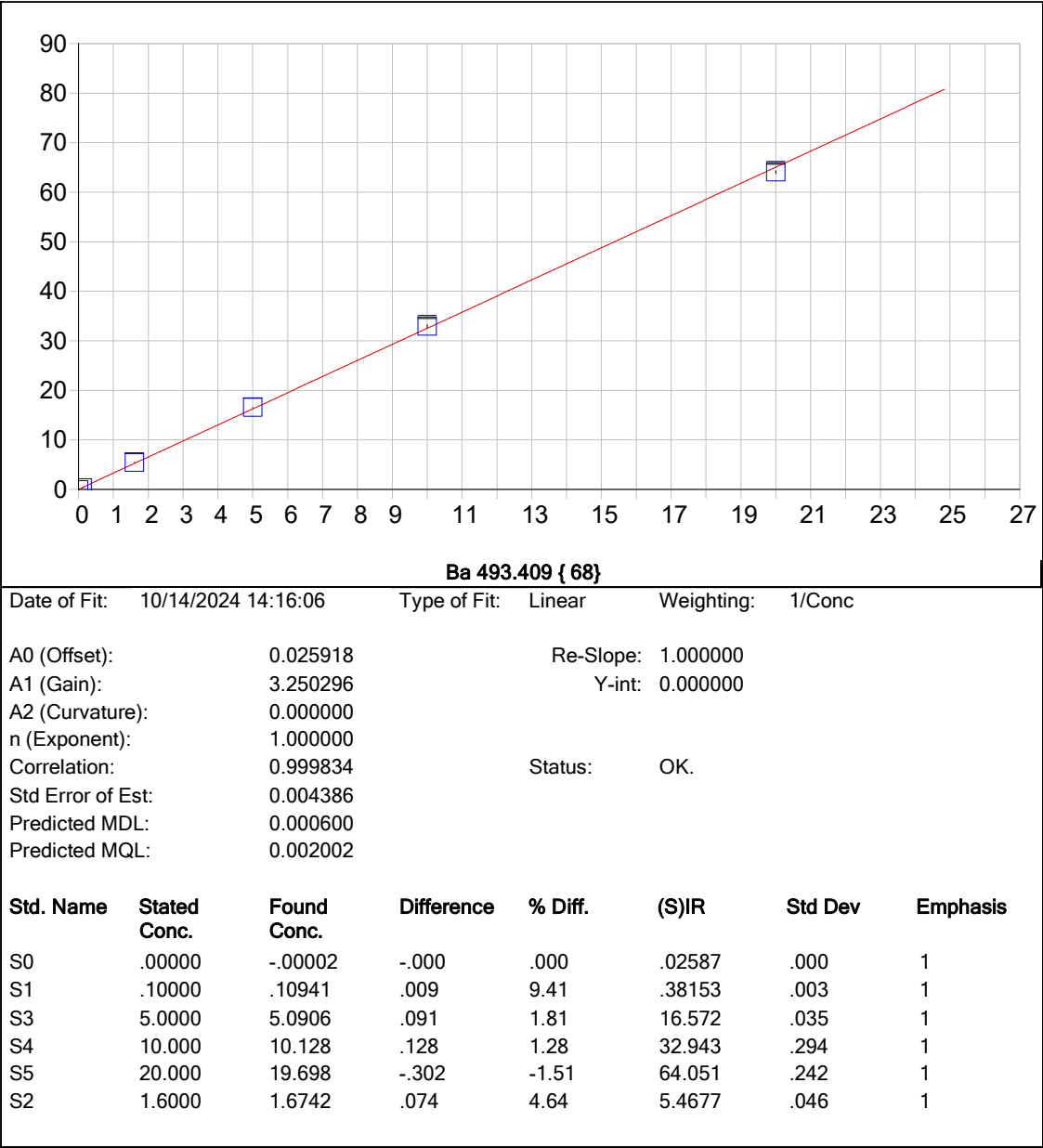


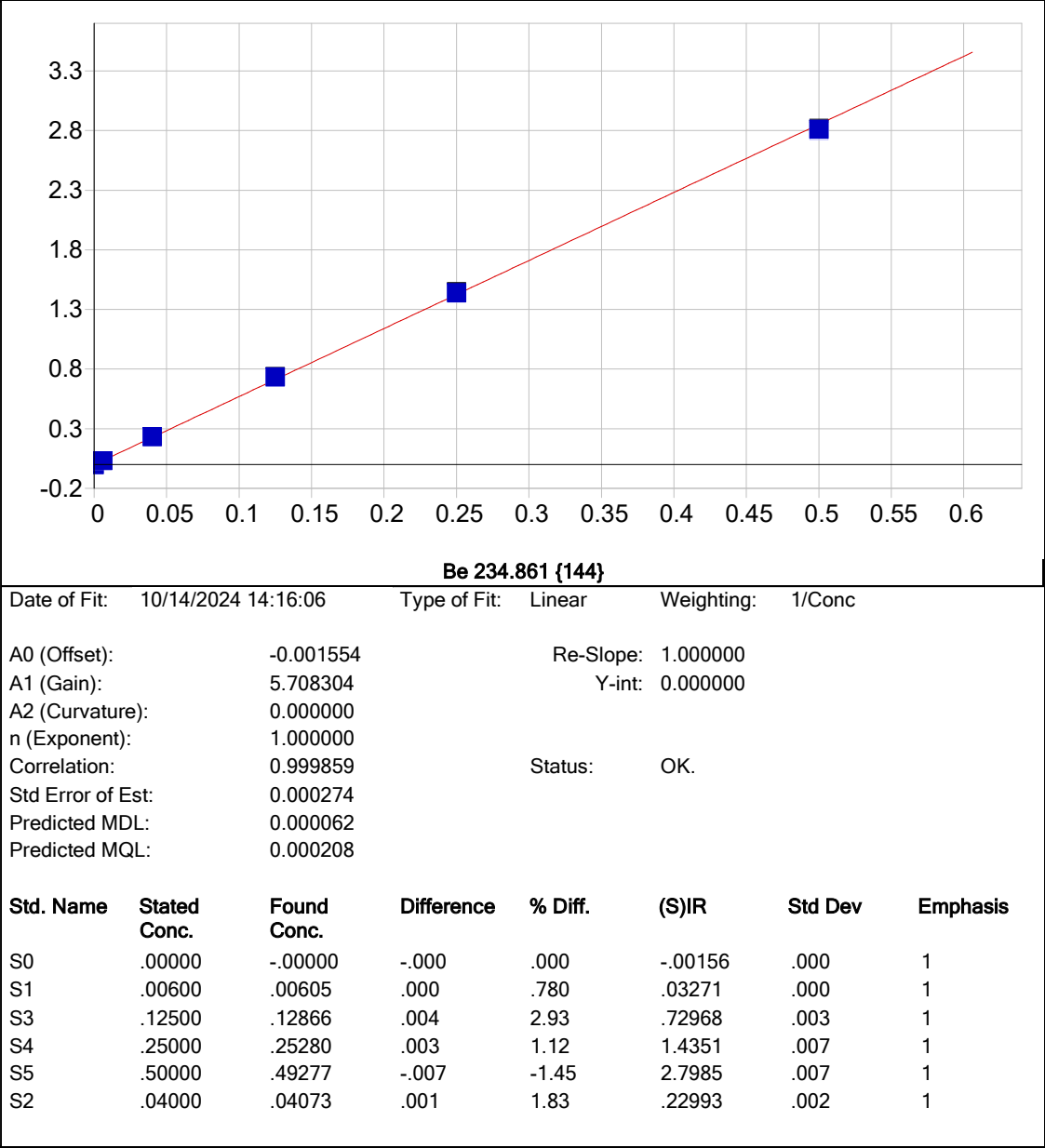


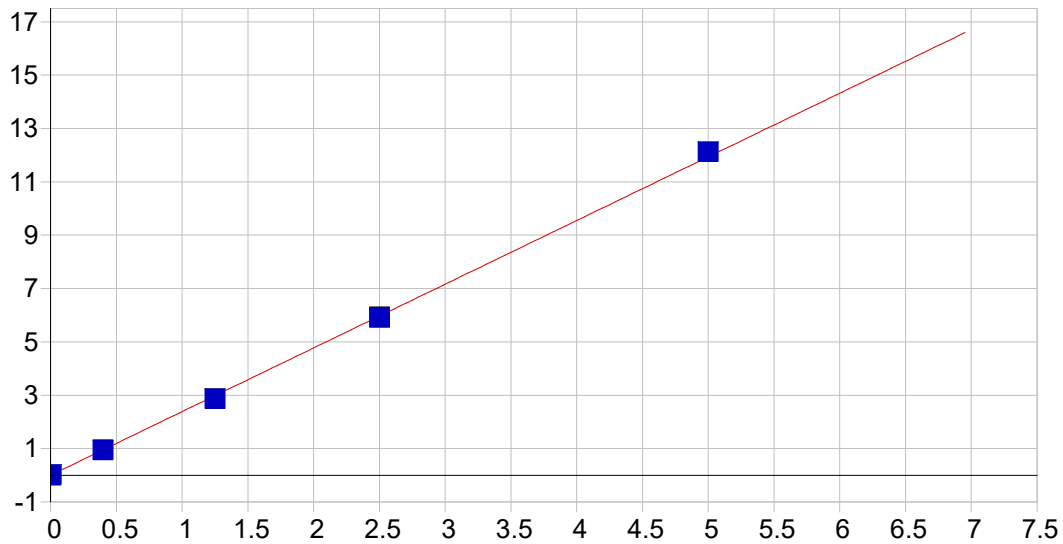










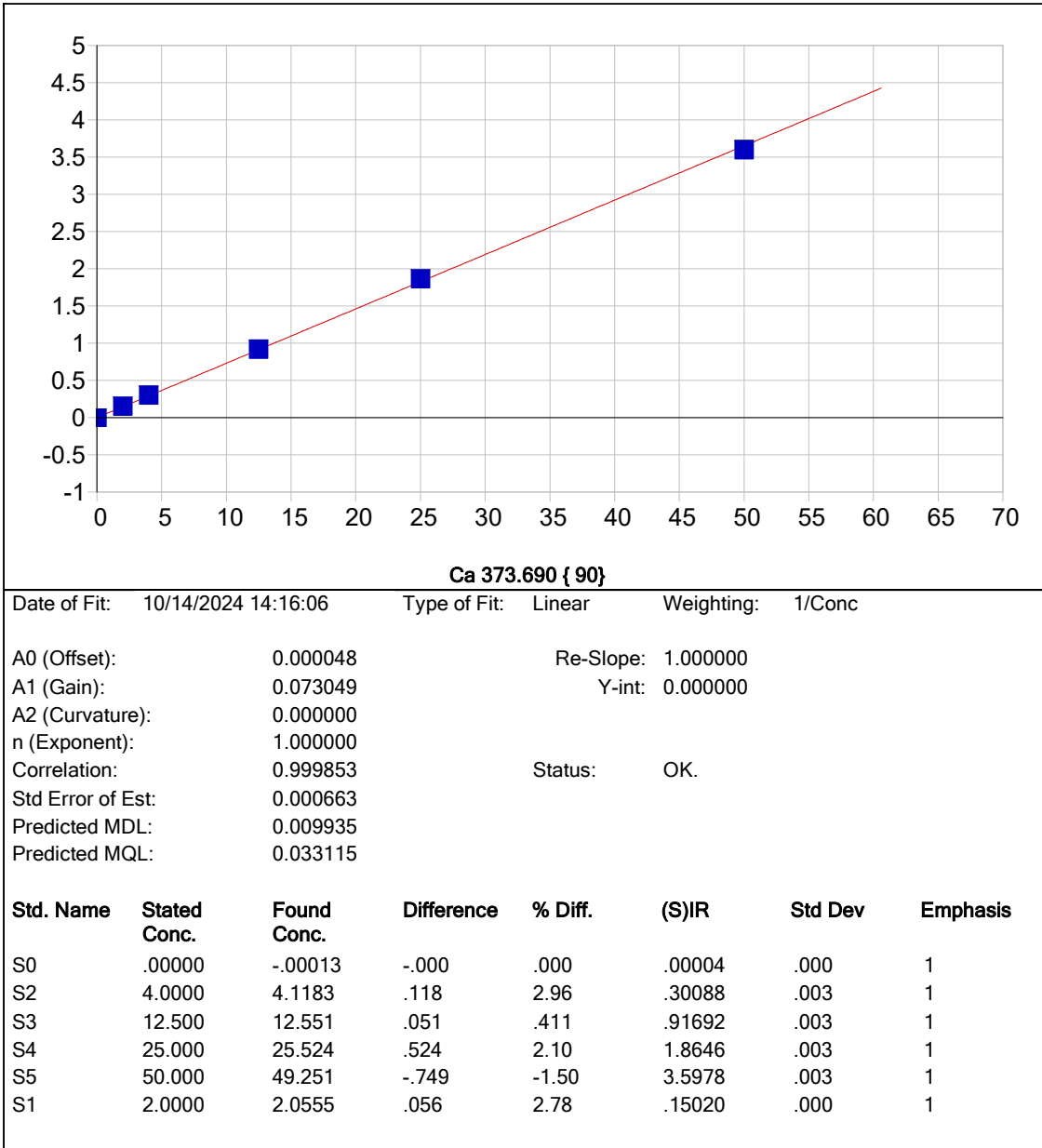


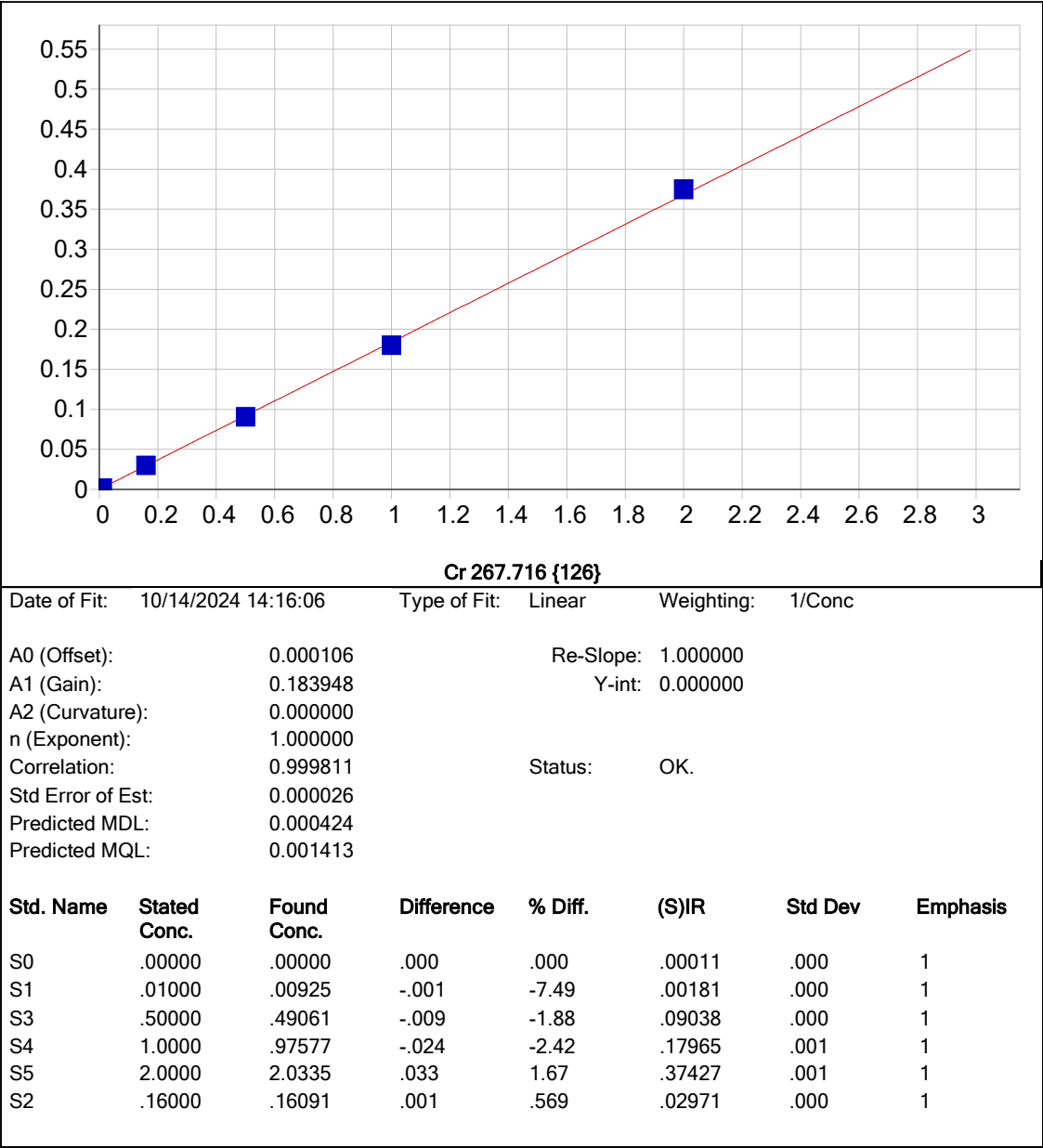
Cd 226.502 {449}

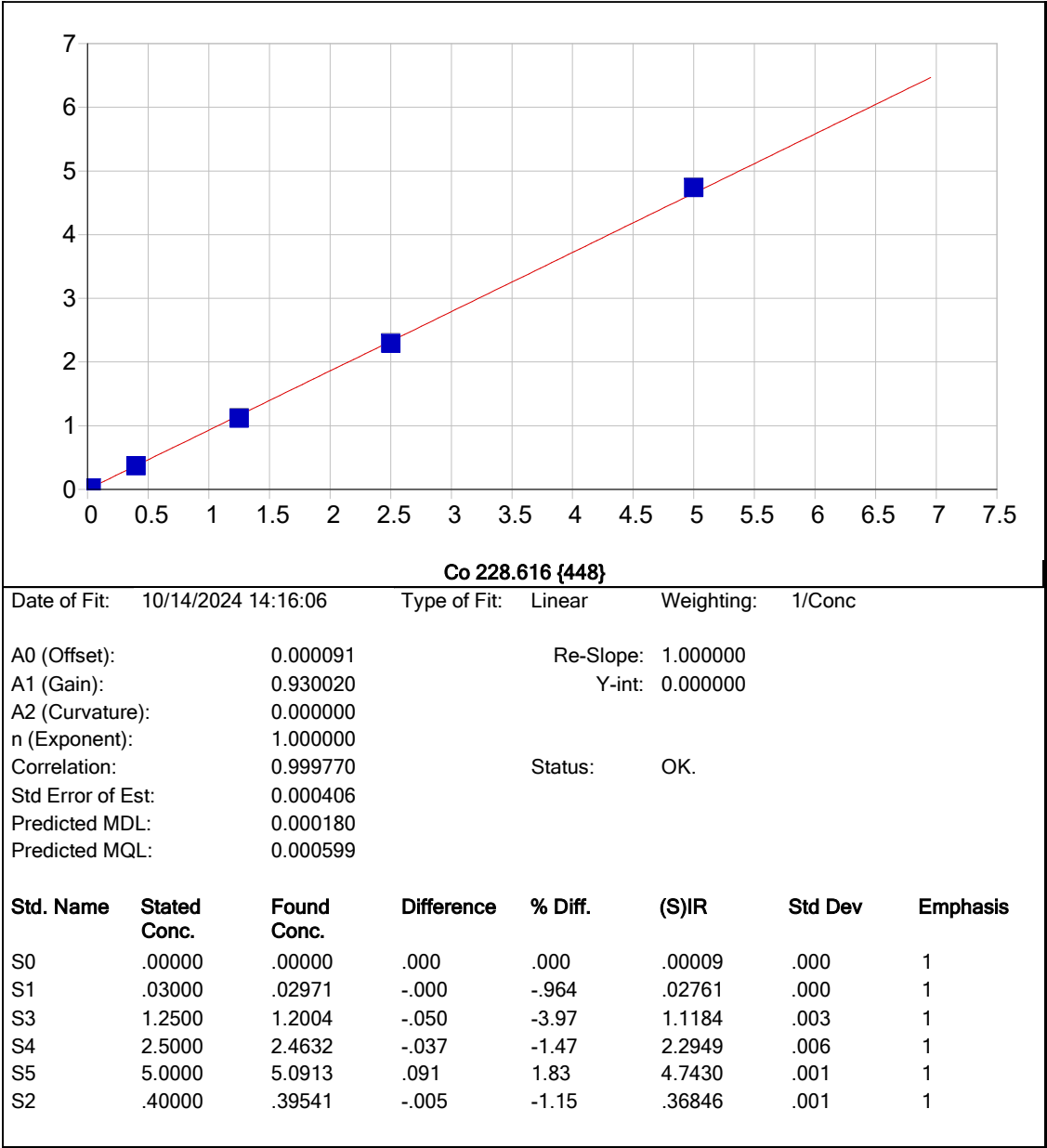
Date of Fit: 10/14/2024 14:16:06 Type of Fit: Linear Weighting: 1/Conc

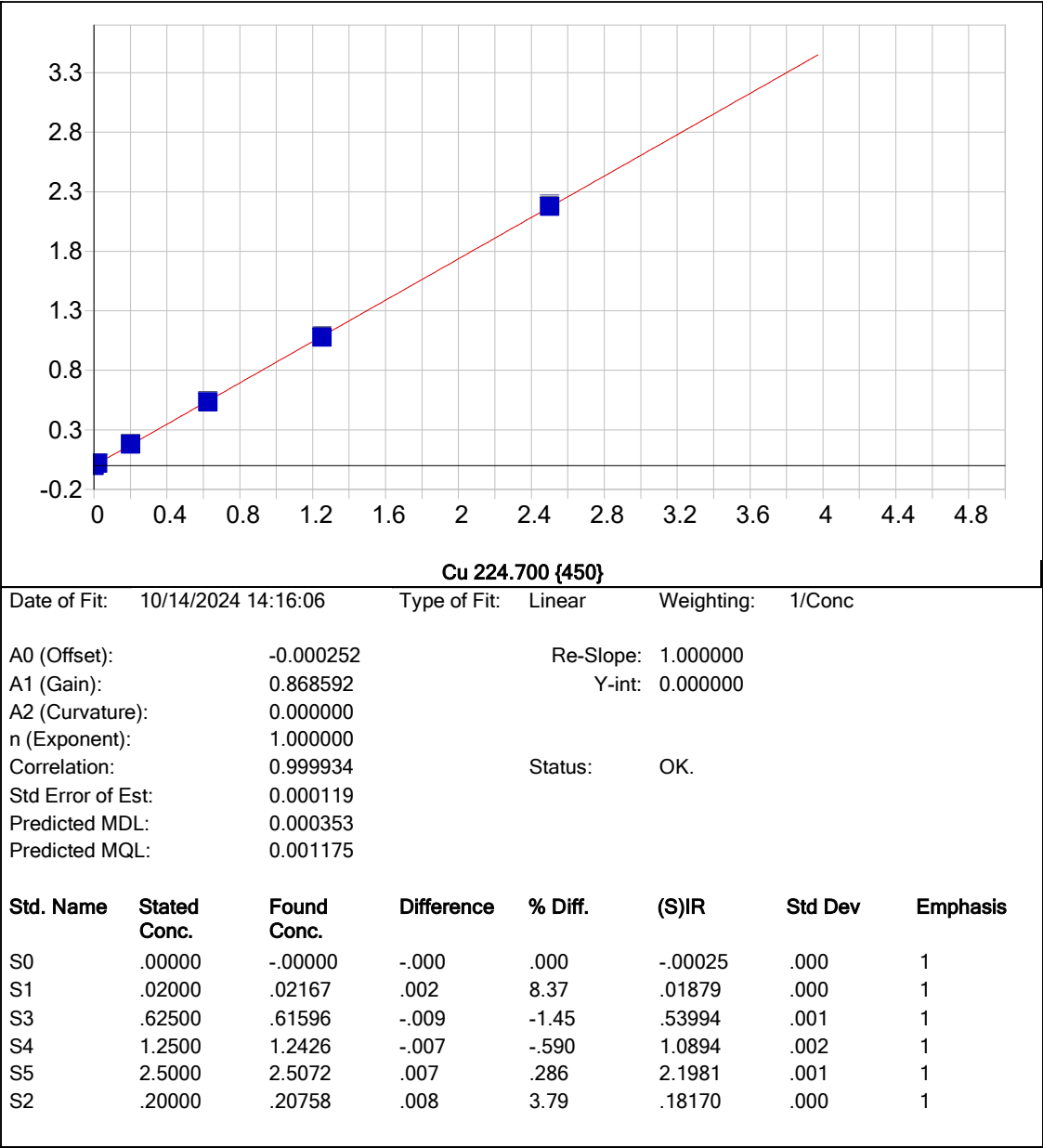
A0 (Offset):	-0.000076	Re-Slope:	1.000000
A1 (Gain):	2.387295	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999805	Status:	OK.
Std Error of Est:	0.000429		
Predicted MDL:	0.000078		
Predicted MQL:	0.000260		

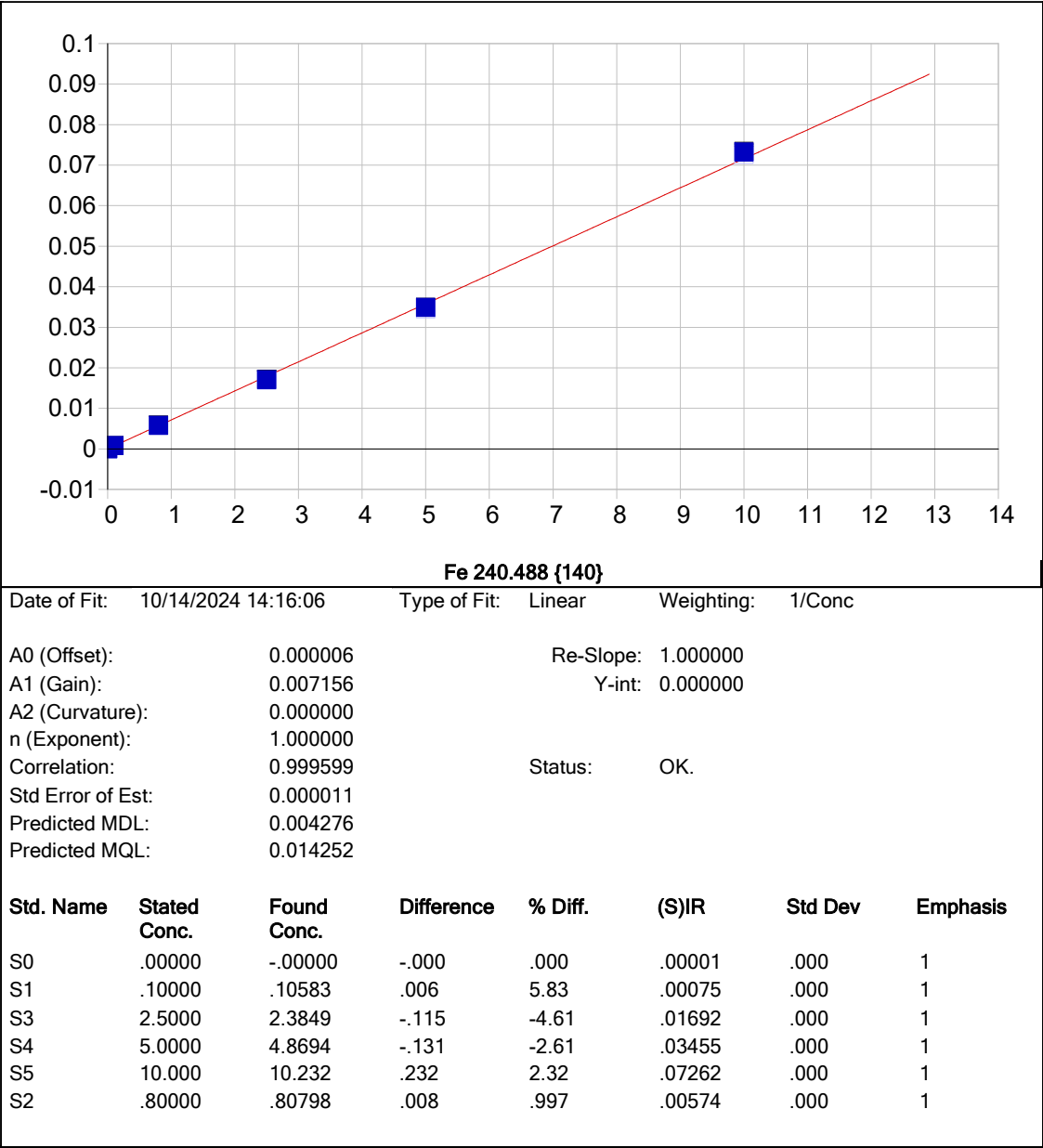
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00008	.000	1
S1	.00600	.00594	-.000	-.967	.01416	.000	1
S3	1.2500	1.2003	-.050	-3.97	2.8675	.009	1
S4	2.5000	2.4765	-.023	-.940	5.9161	.016	1
S5	5.0000	5.0799	.080	1.60	12.135	.005	1
S2	.40000	.39333	-.007	-1.67	.93956	.002	1

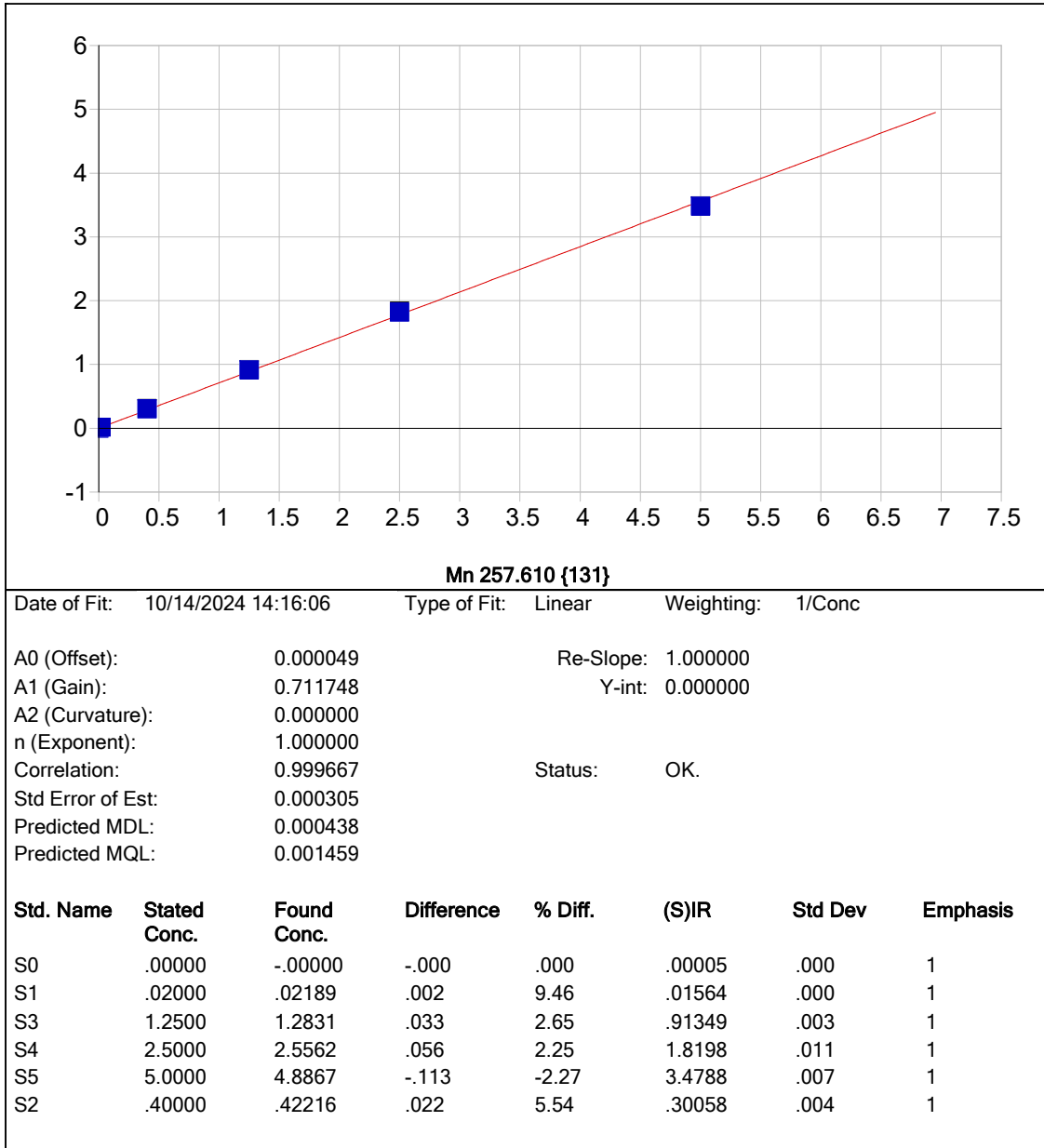


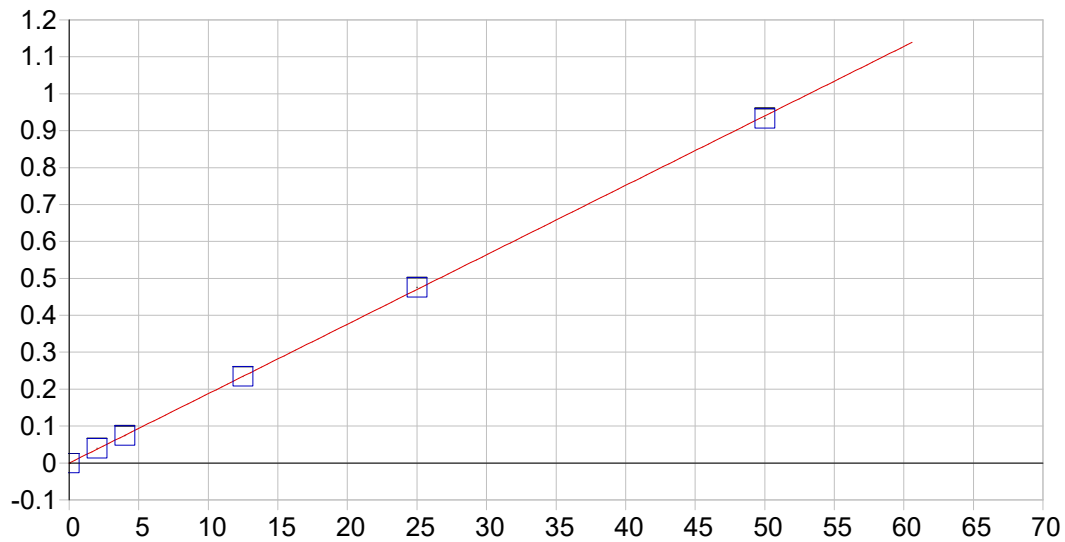










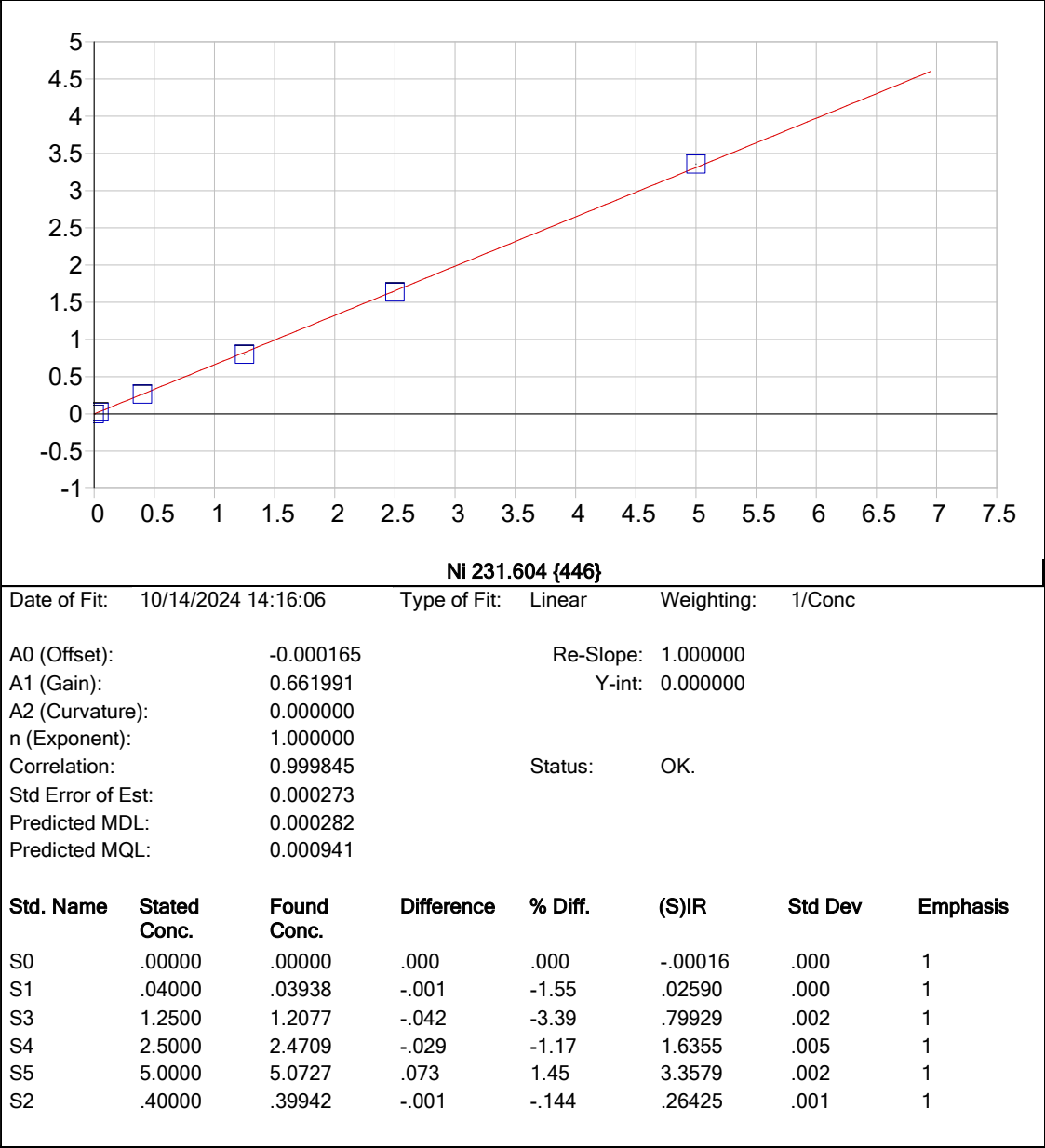


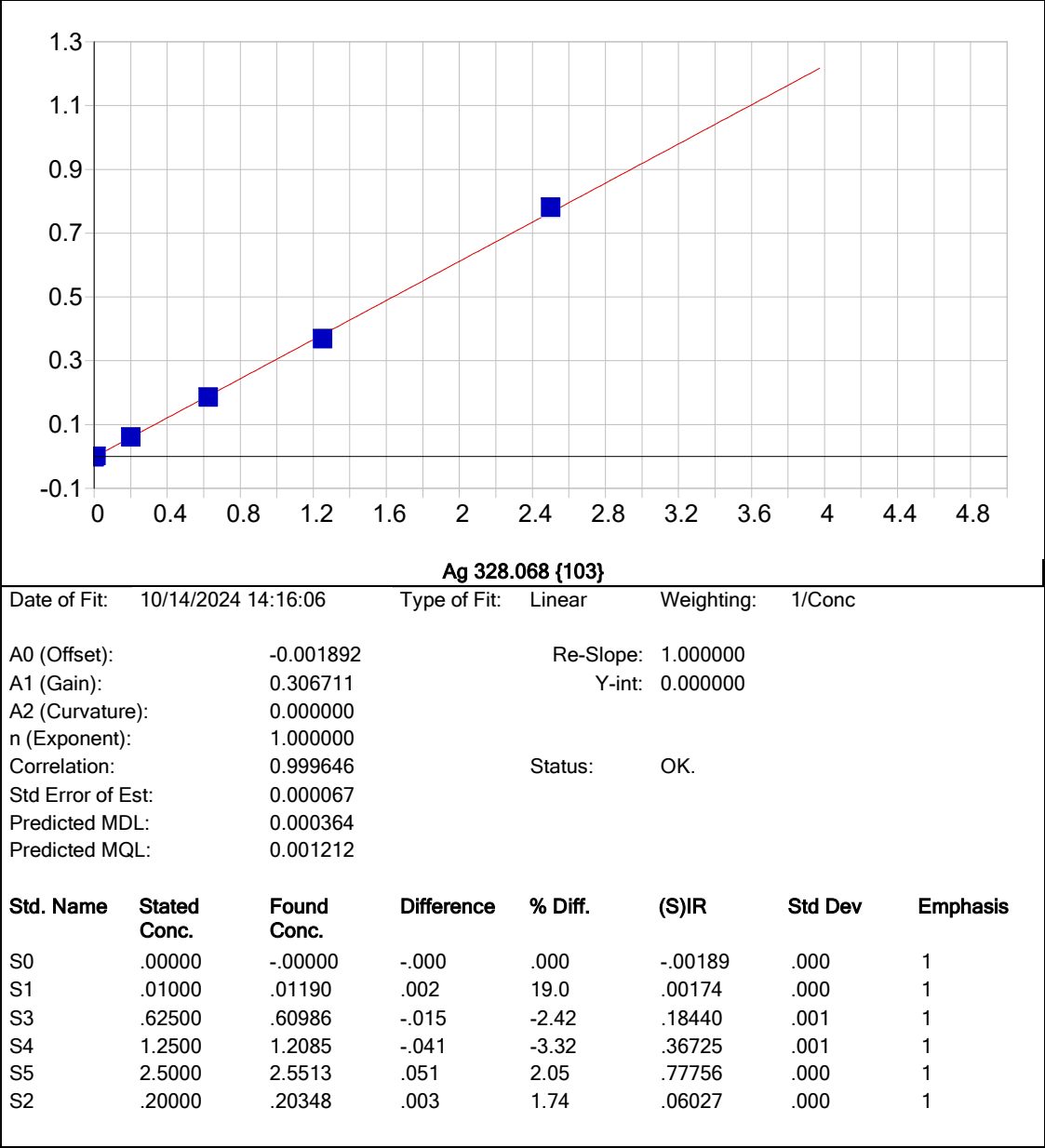
Mg 279.079 {121}

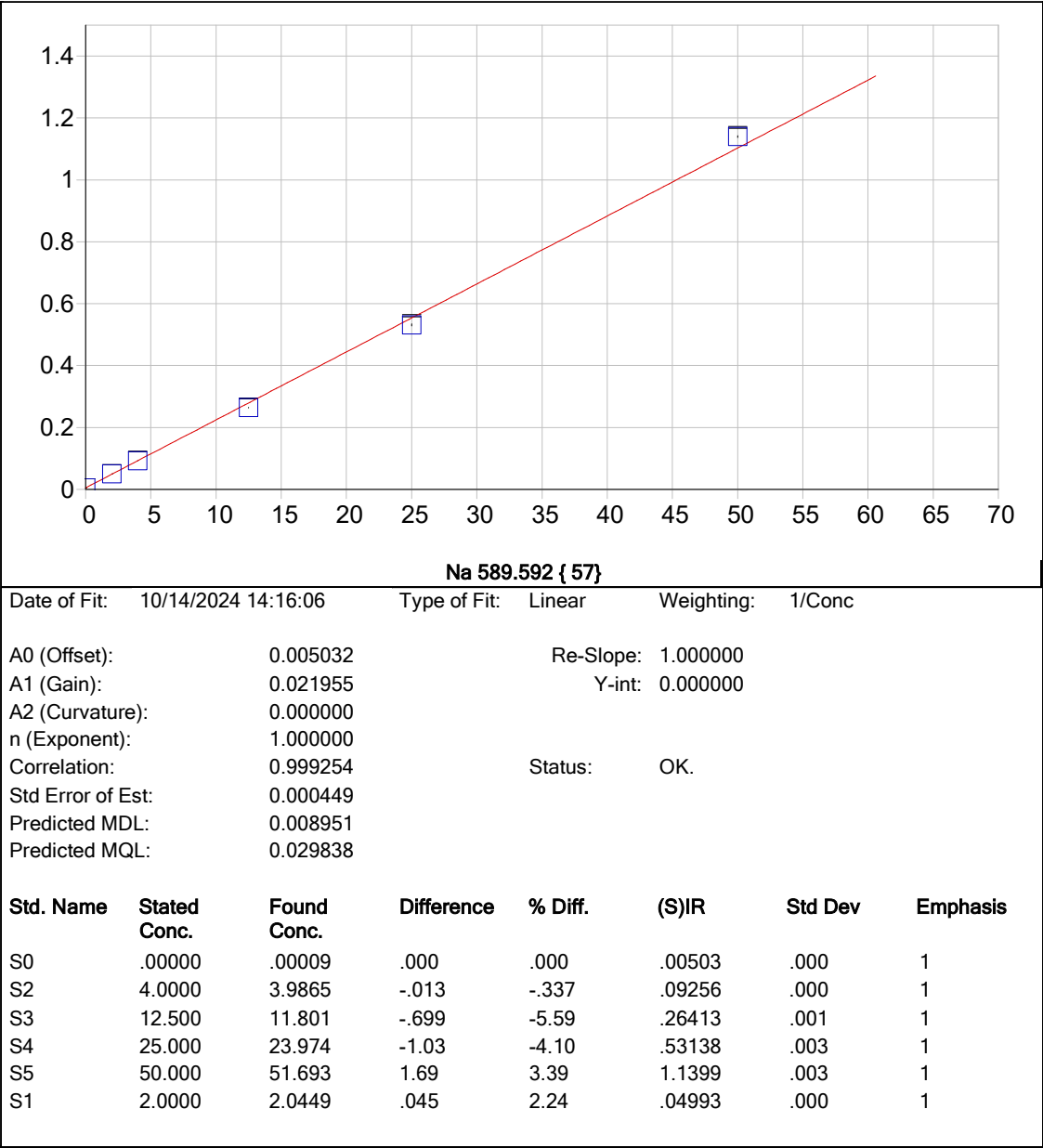
Date of Fit: 10/14/2024 14:16:06 Type of Fit: Linear Weighting: 1/Conc

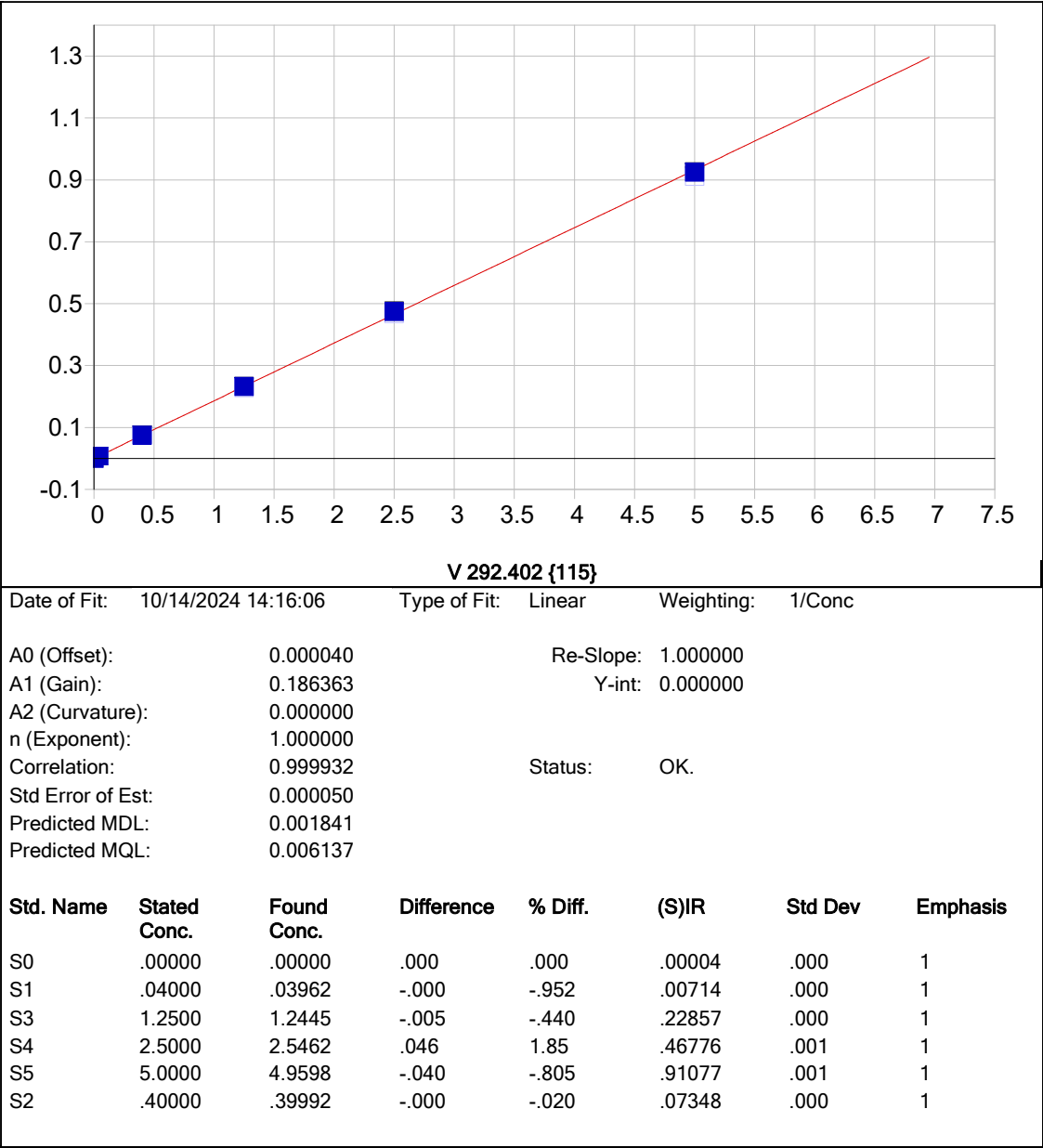
A0 (Offset): -0.000277 Re-Slope: 1.000000
A1 (Gain): 0.018805 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999914 Status: OK.
Std Error of Est: 0.000130
Predicted MDL: 0.016203
Predicted MQL: 0.054011

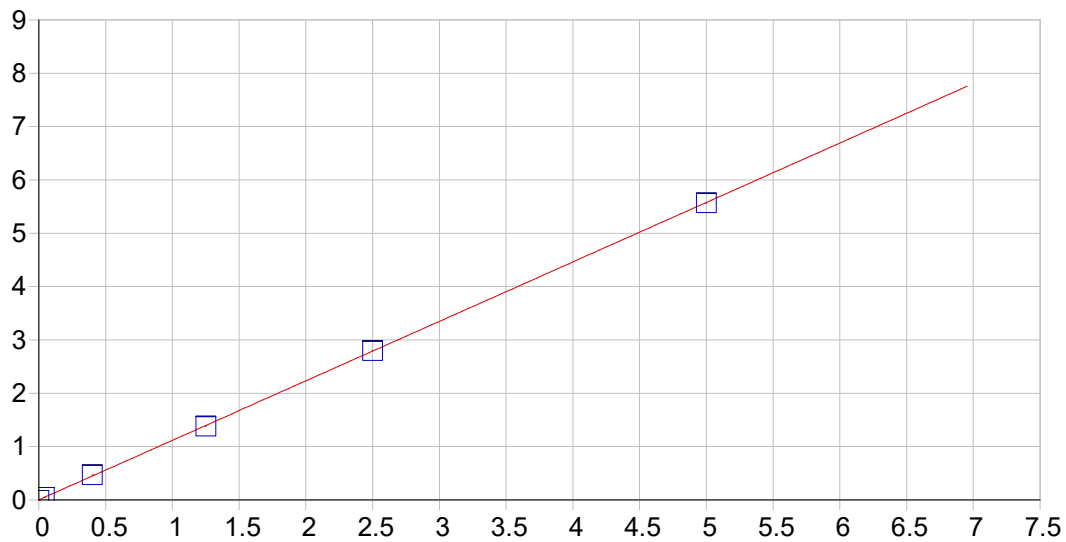
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00012	-.000	.000	-.00028	.000	1
S2	4.0000	3.9572	-.043	-1.07	.07414	.001	1
S3	12.500	12.464	-.036	-.287	.23411	.000	1
S4	25.000	25.308	.308	1.23	.47565	.001	1
S5	50.000	49.636	-.364	-.727	.93314	.001	1
S1	2.0000	2.1341	.134	6.70	.03985	.000	1









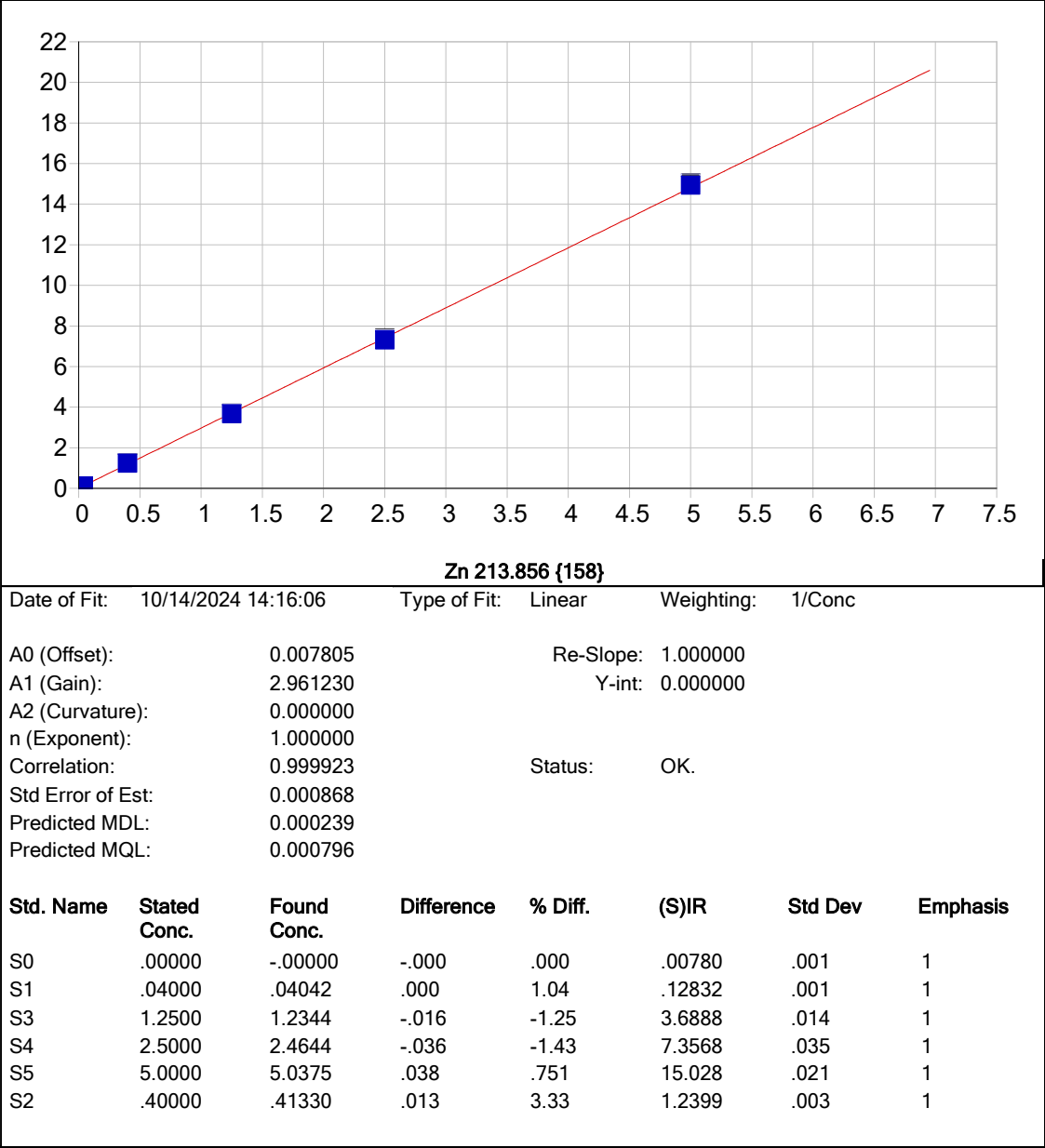


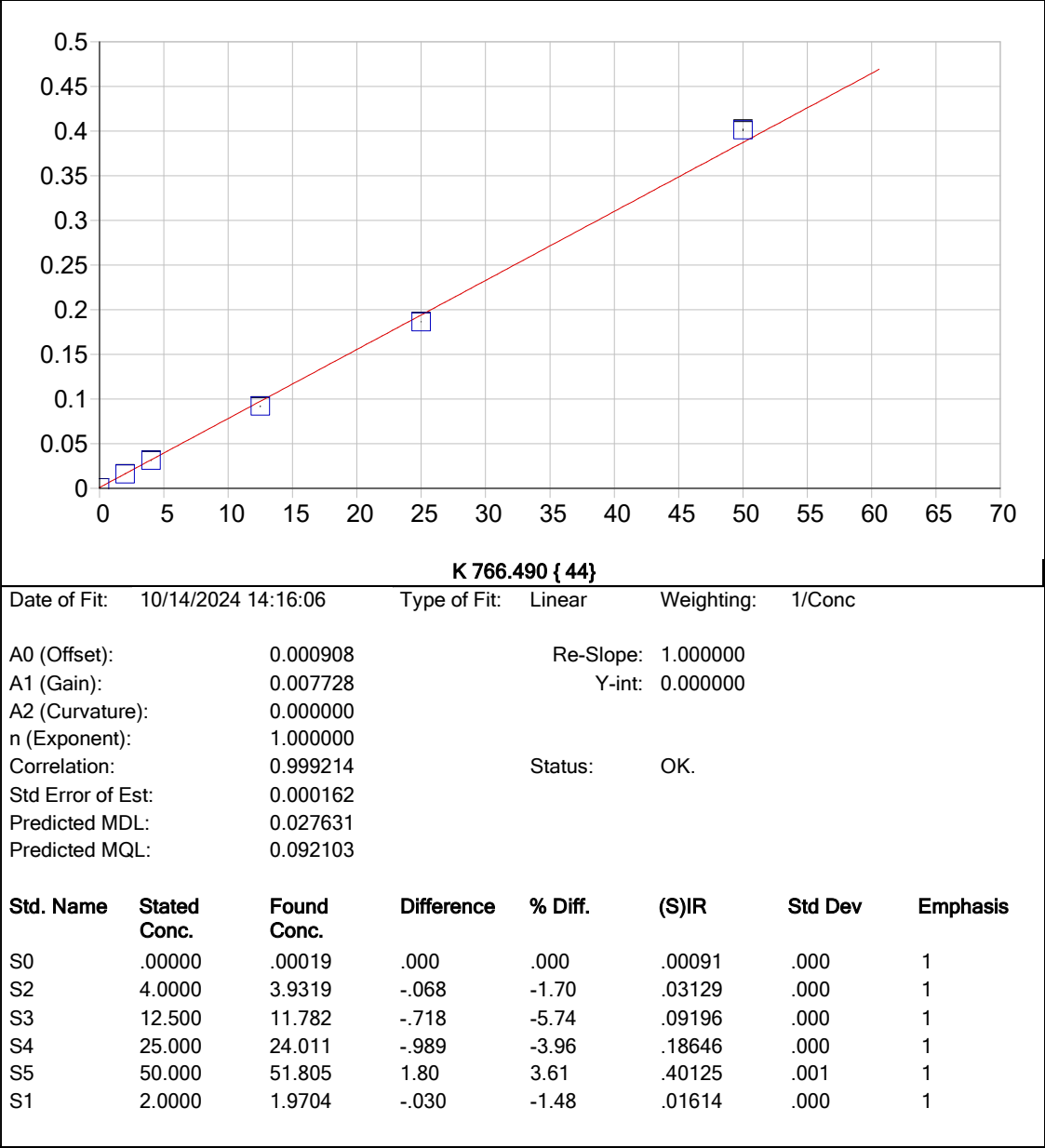
Zn 206.200 {464}

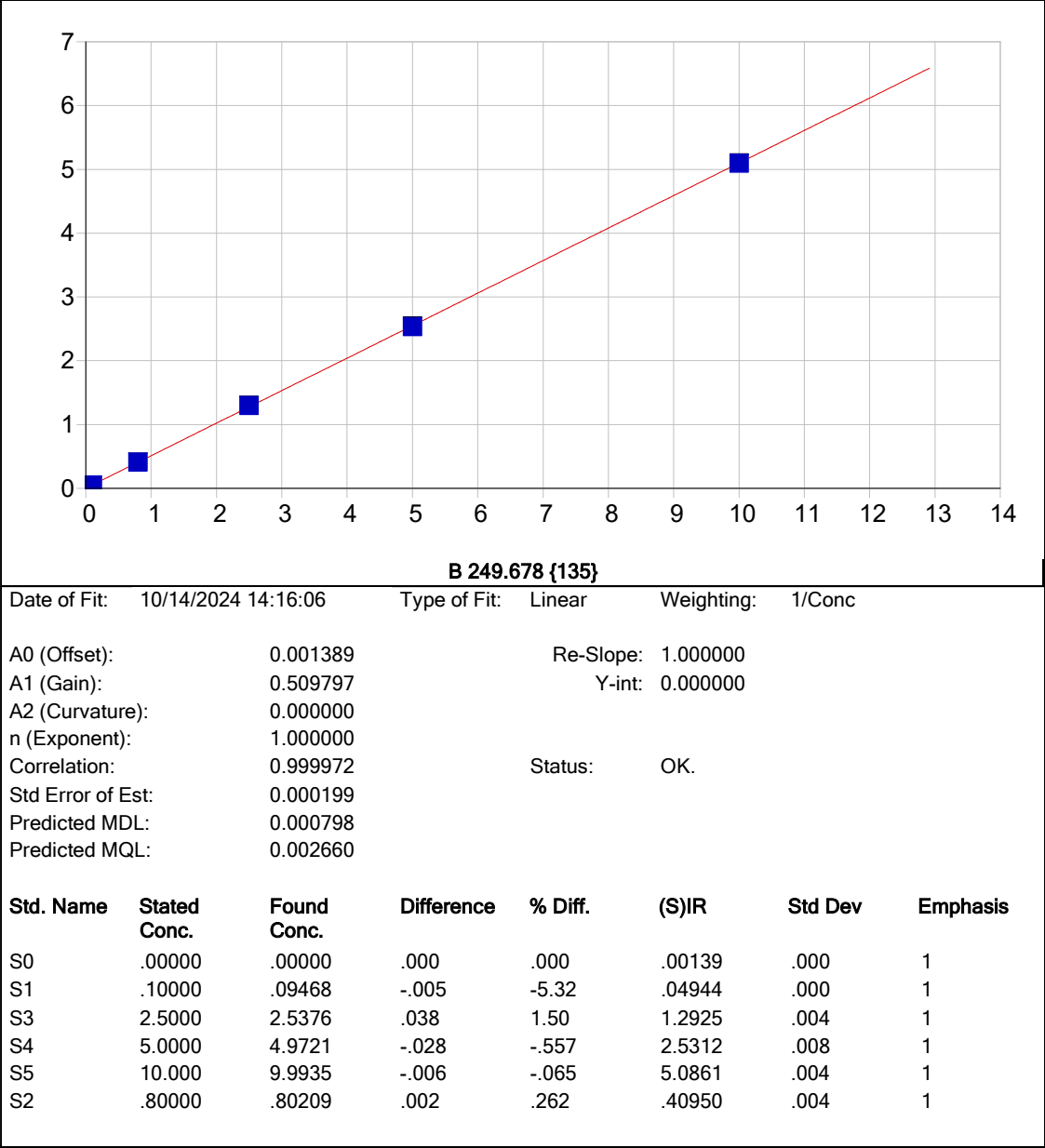
Date of Fit: 10/14/2024 14:16:06 Type of Fit: Linear Weighting: 1/Conc

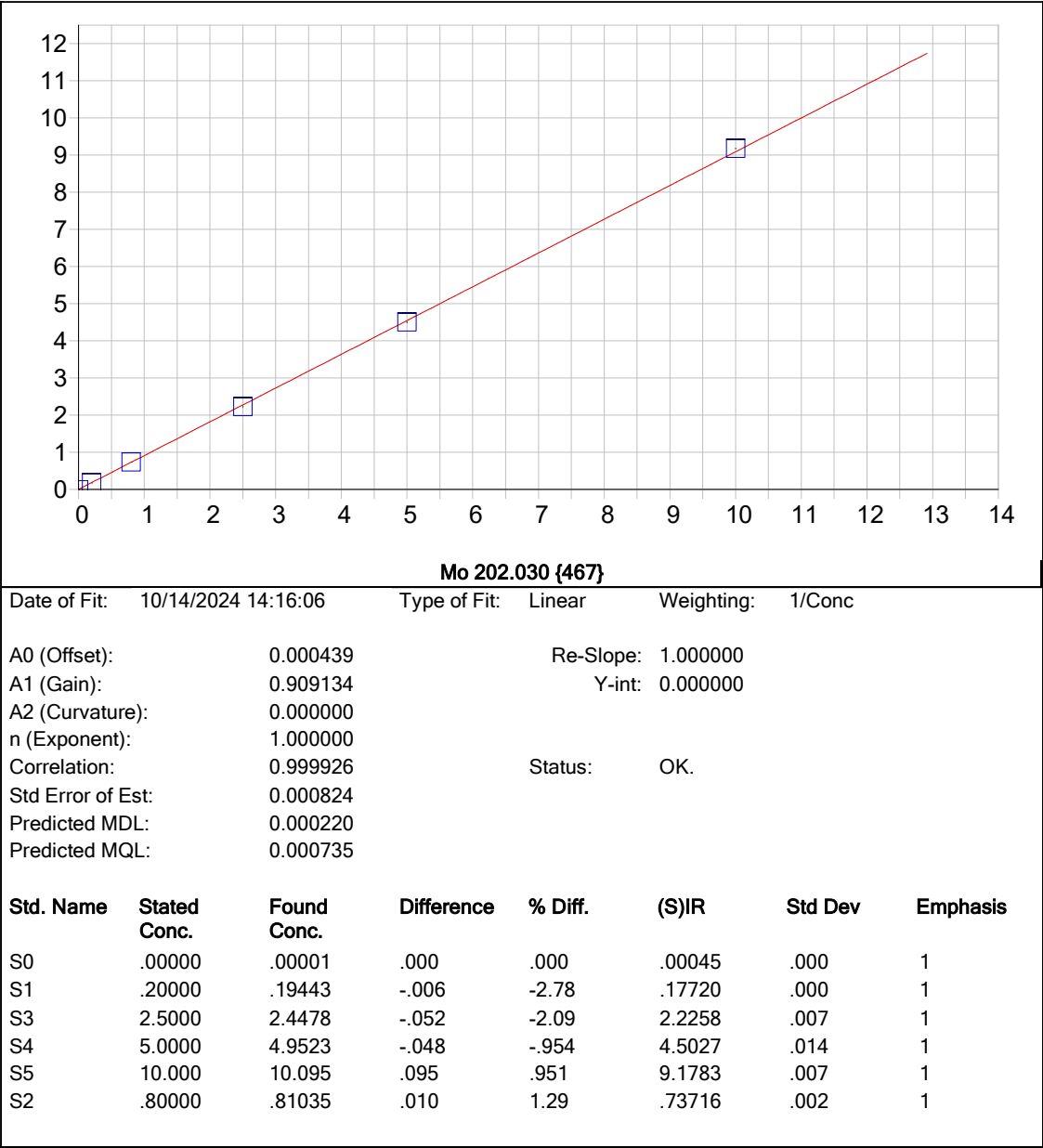
A0 (Offset):	0.001791	Re-Slope:	1.000000
A1 (Gain):	1.115074	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999938	Status:	OK.
Std Error of Est:	0.000290		
Predicted MDL:	0.000173		
Predicted MQL:	0.000578		

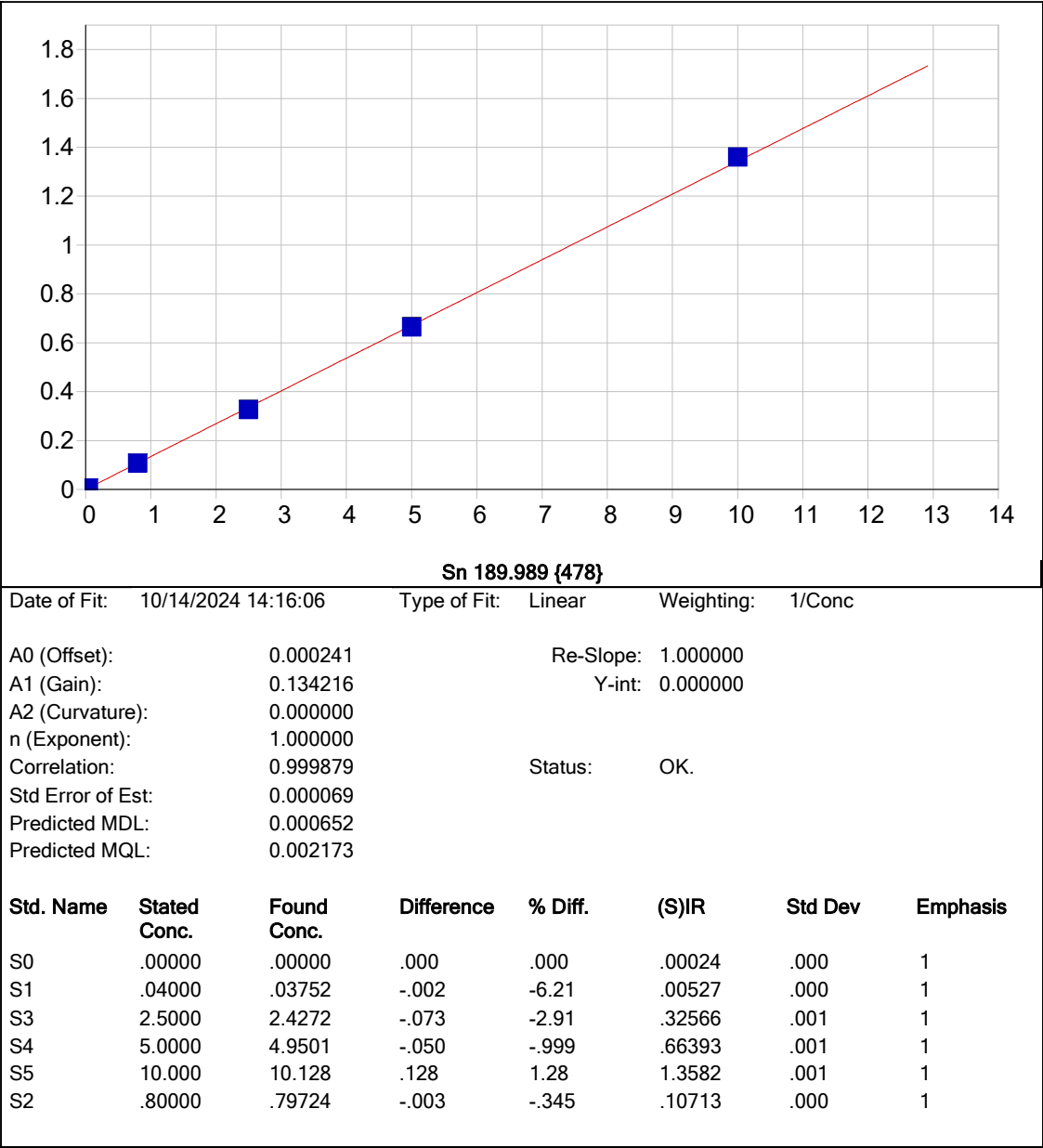
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00179	.000	1
S1	.04000	.04213	.002	5.34	.04877	.000	1
S3	1.2500	1.2350	-.015	-1.20	1.3789	.005	1
S4	2.5000	2.5046	.005	.183	2.7946	.007	1
S5	5.0000	4.9903	-.010	-.194	5.5664	.002	1
S2	.40000	.41799	.018	4.50	.46788	.001	1

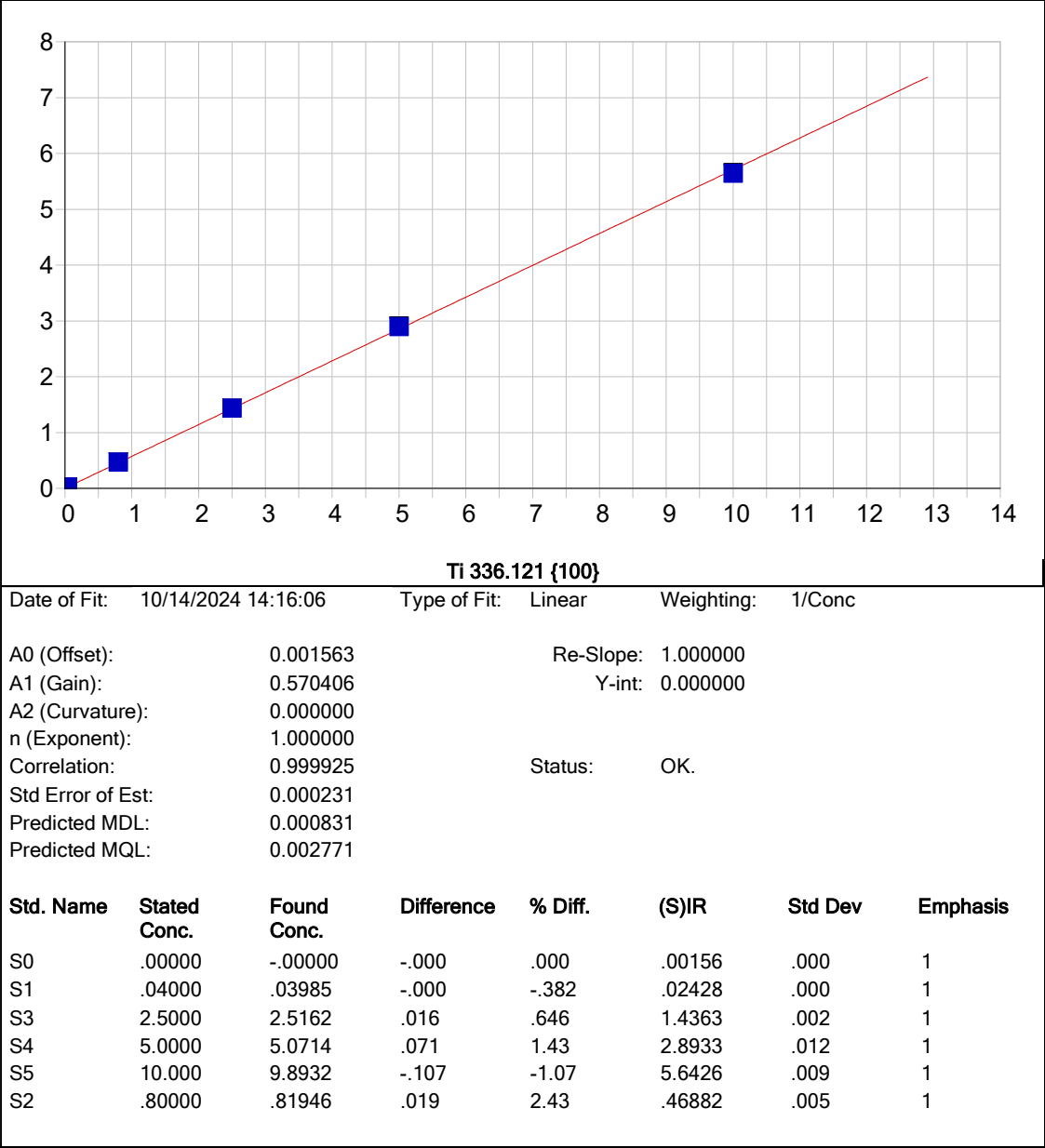


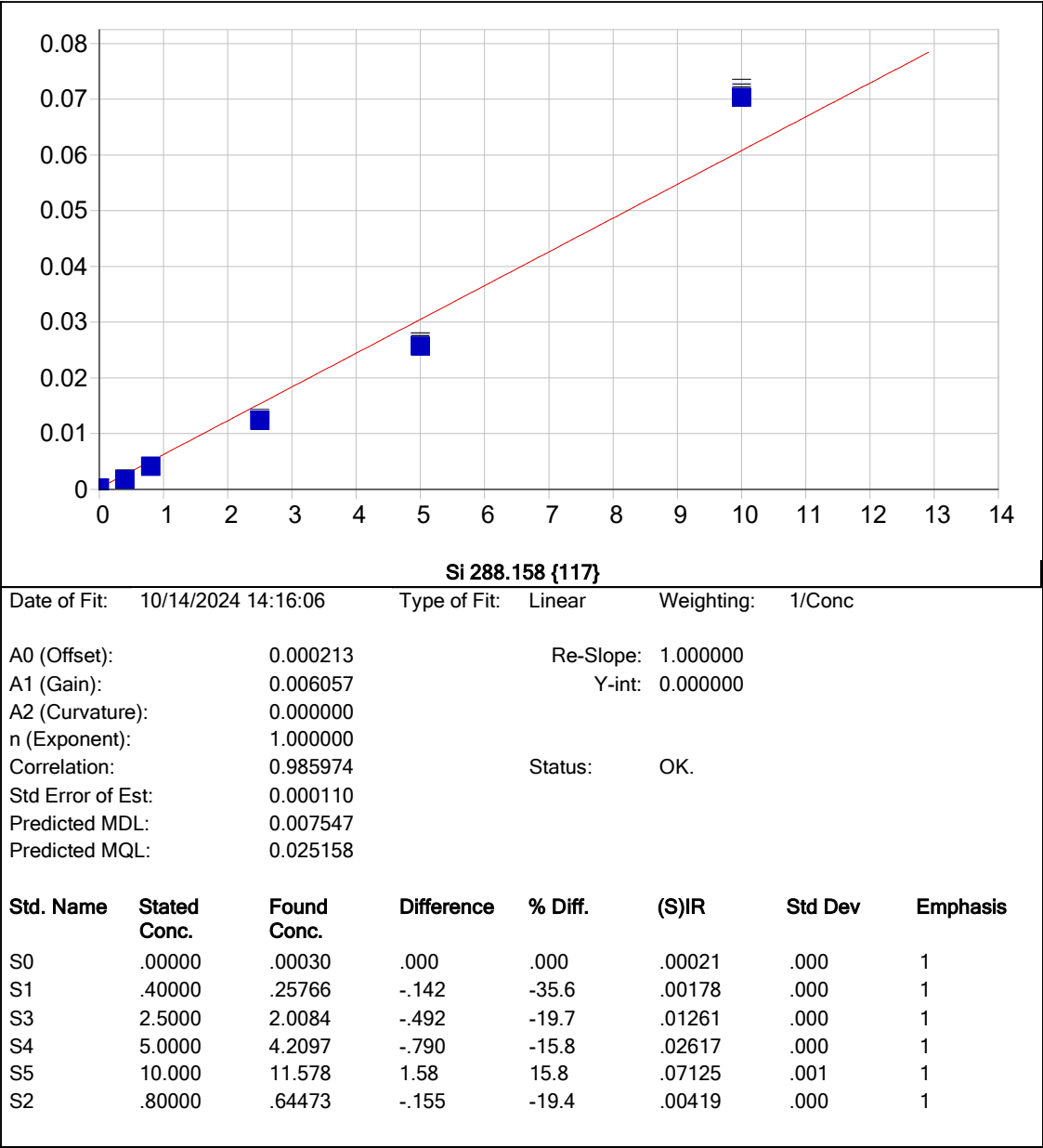


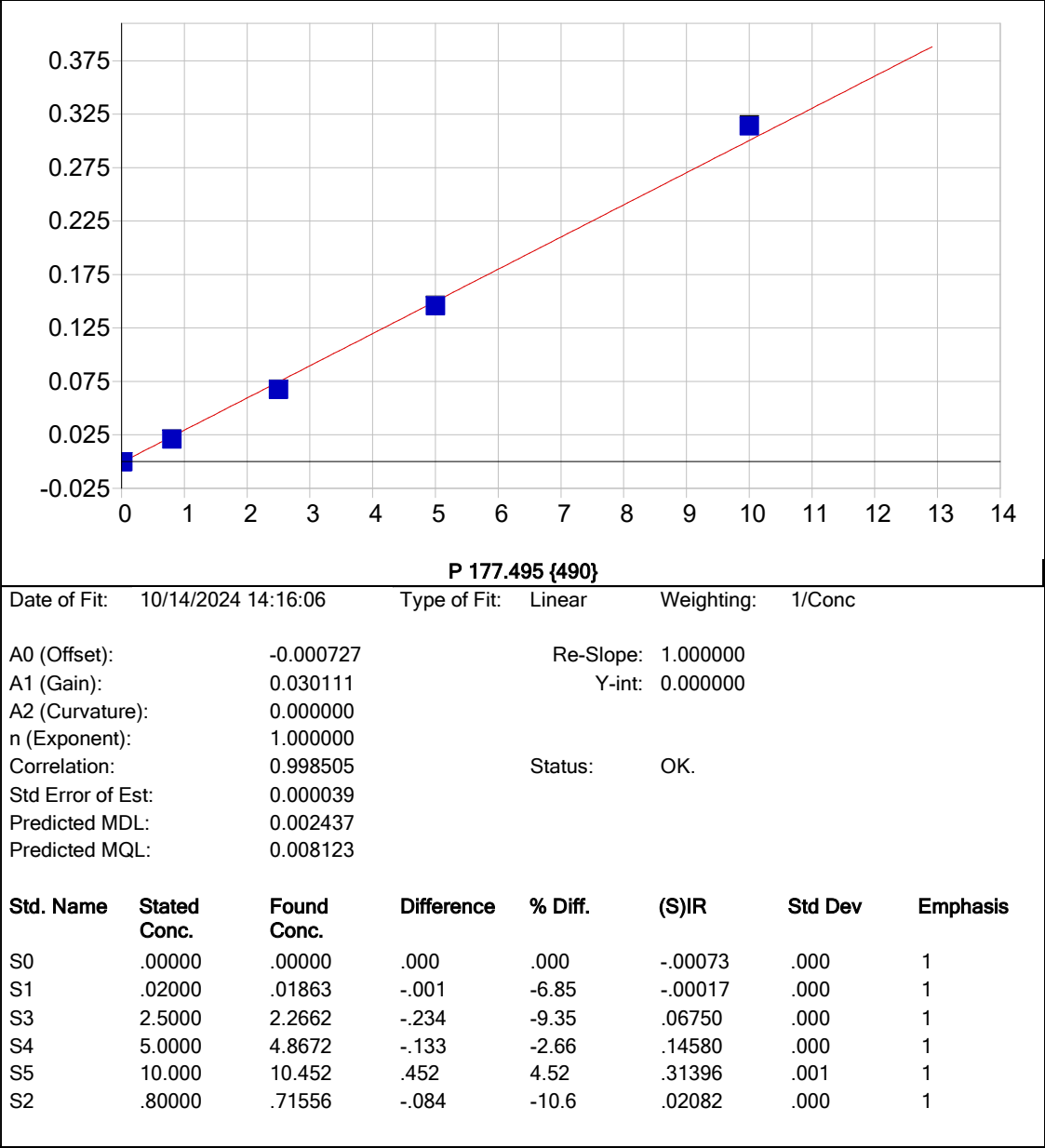


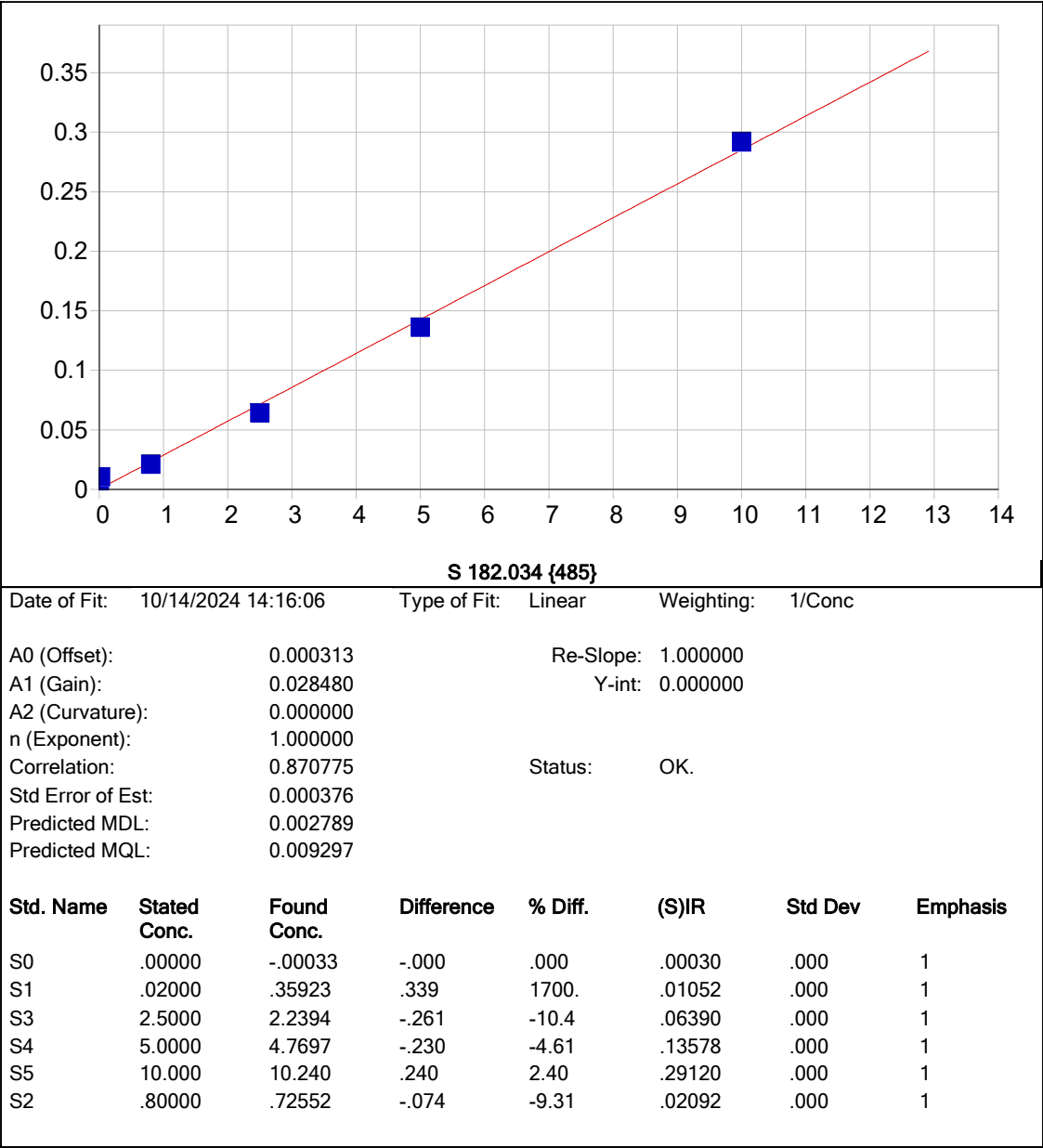


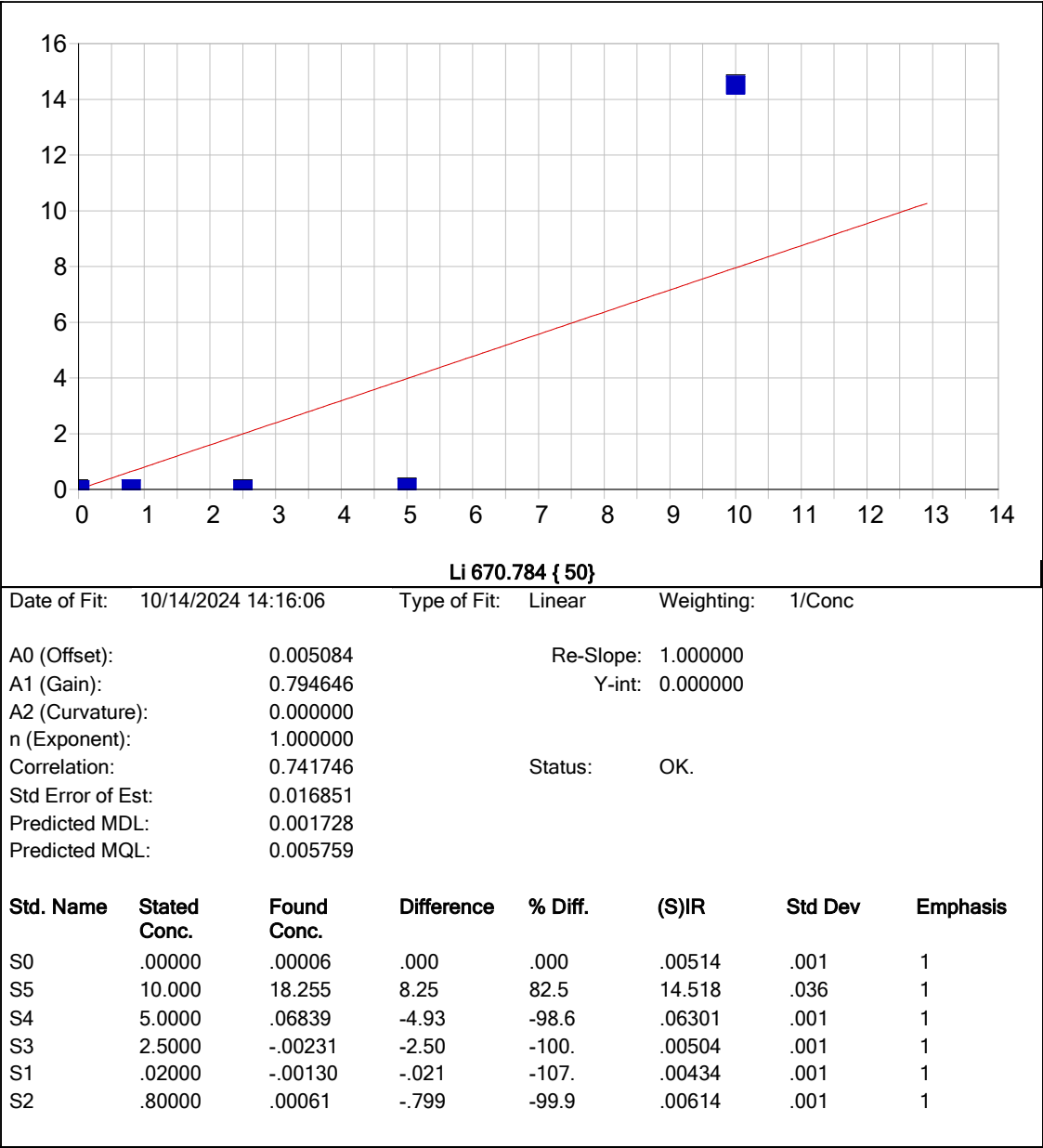


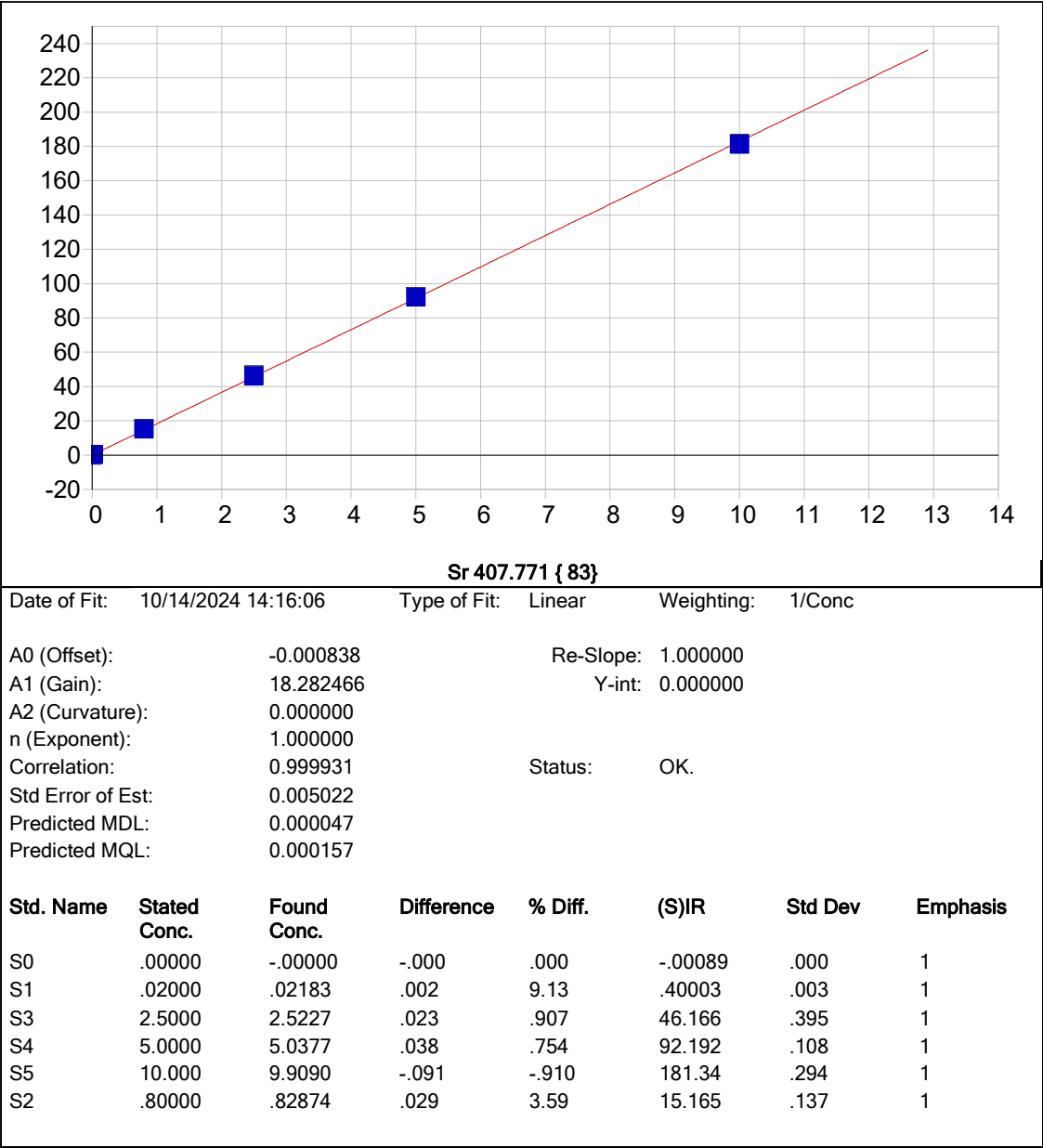


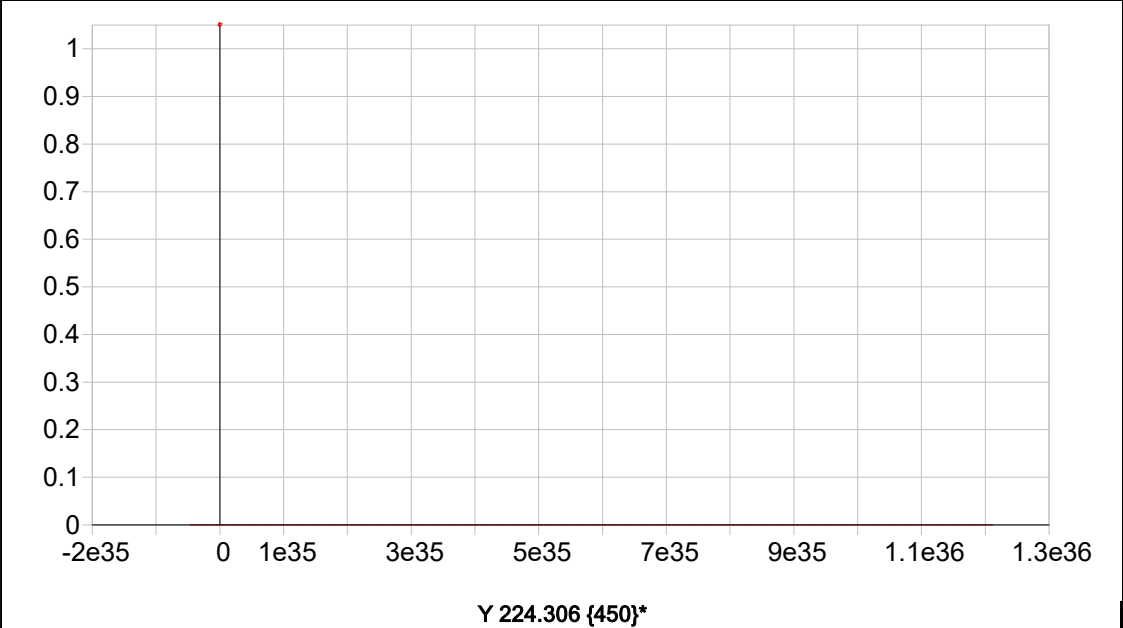






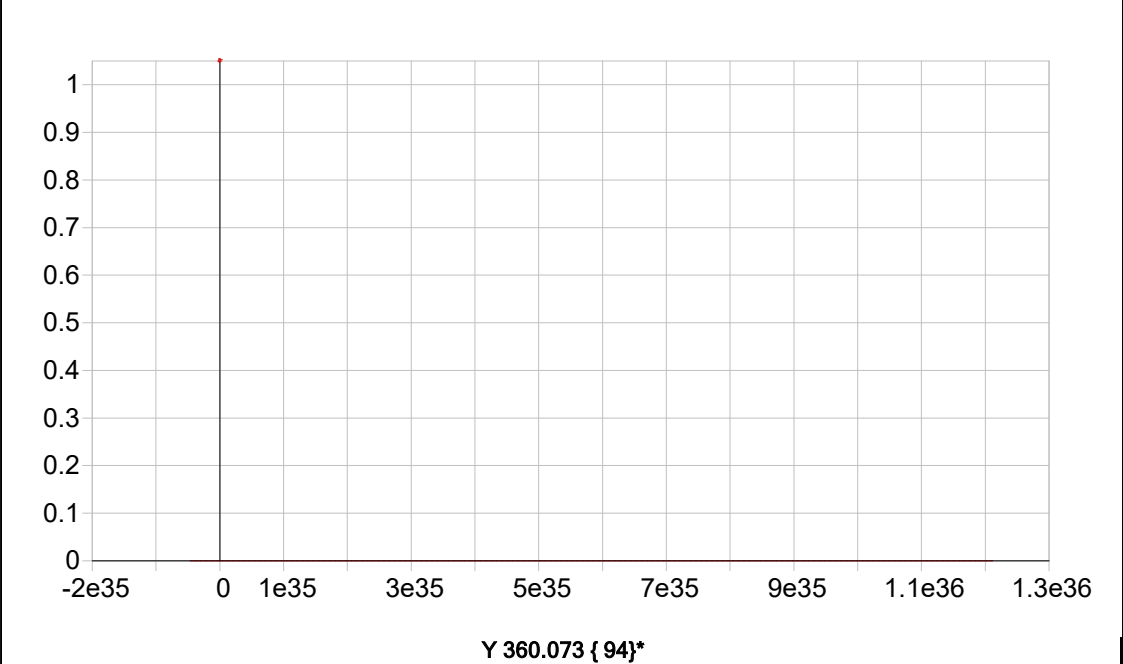




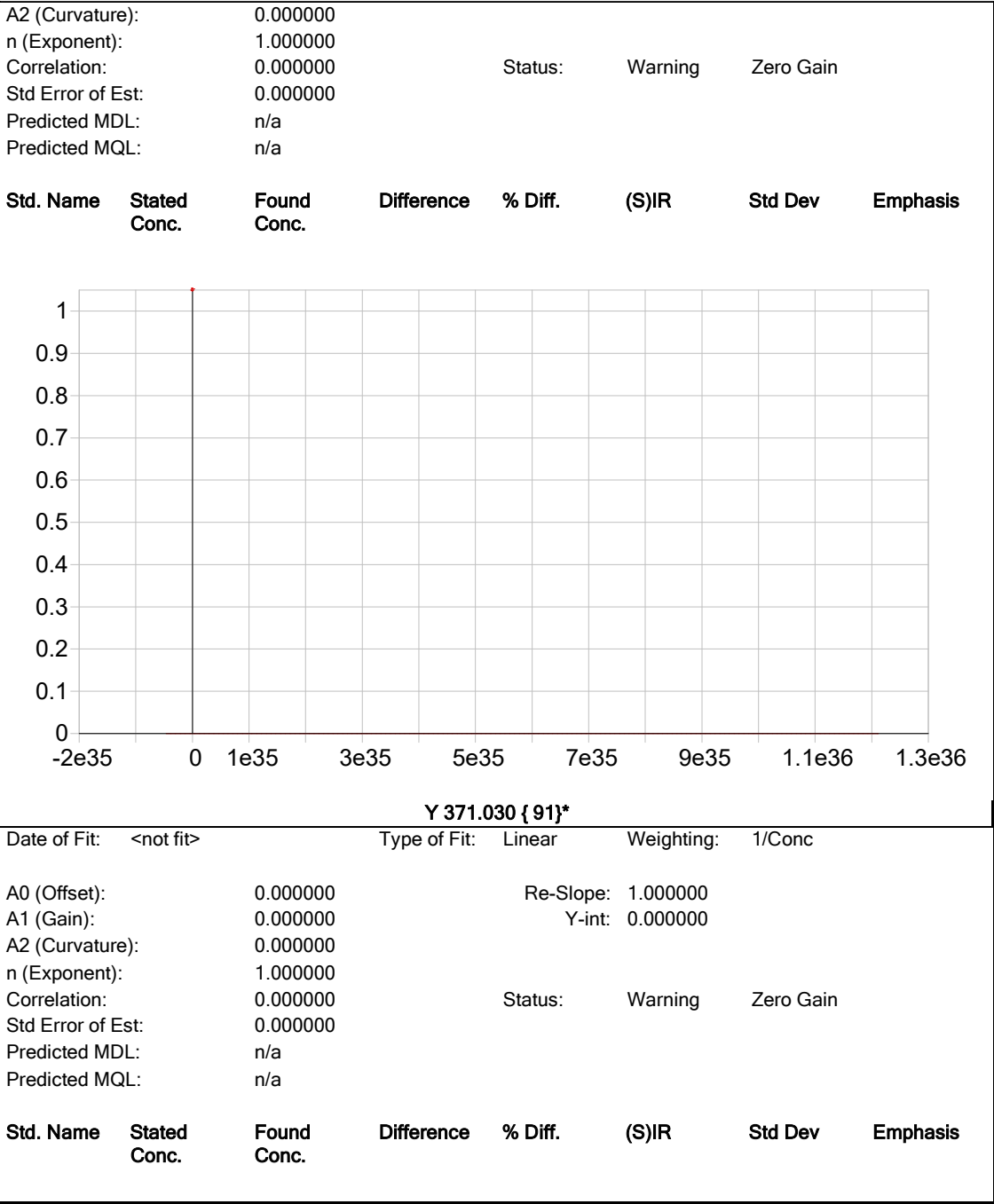


Date of Fit:	10/14/2024 14:16:06	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

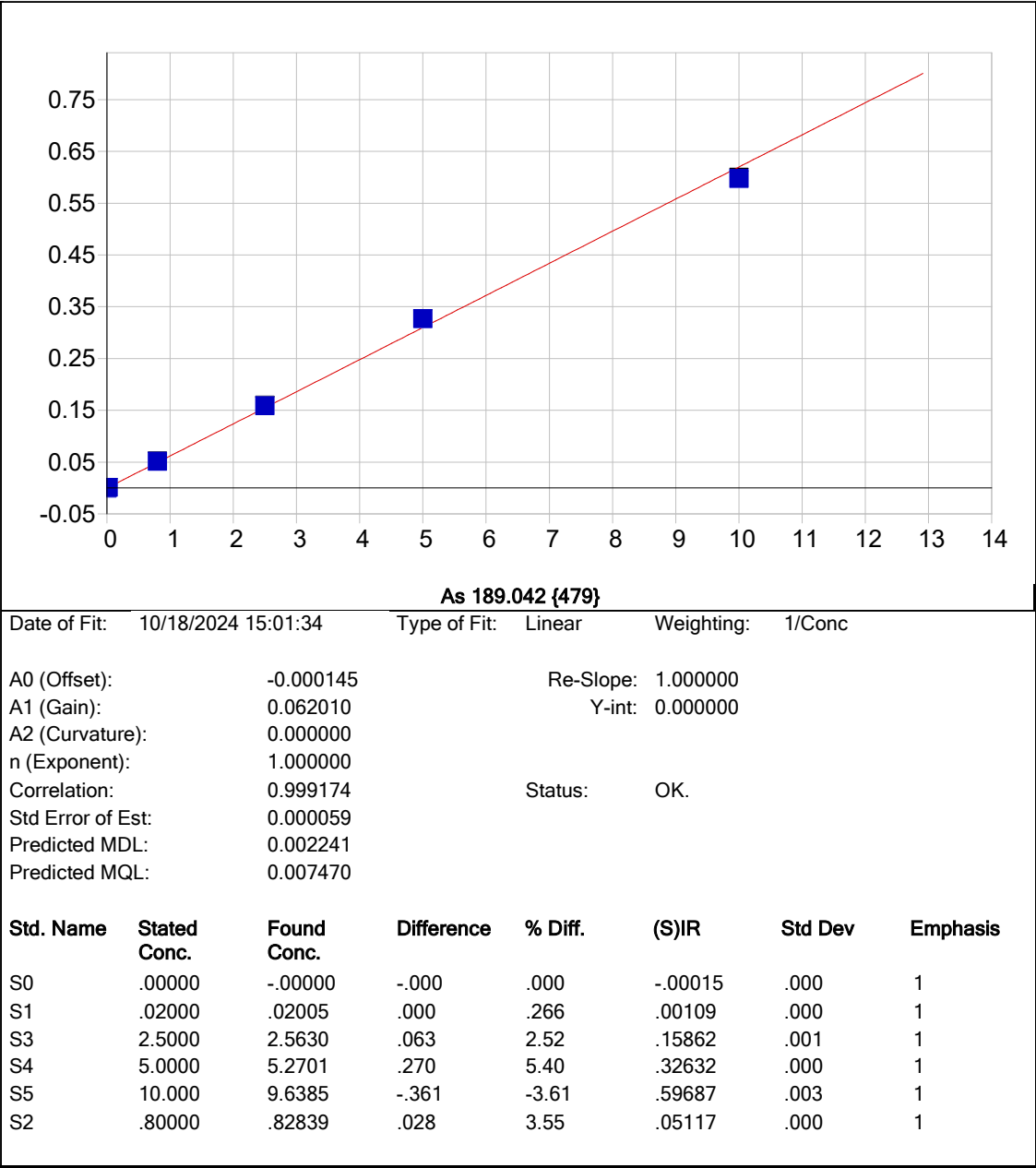
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

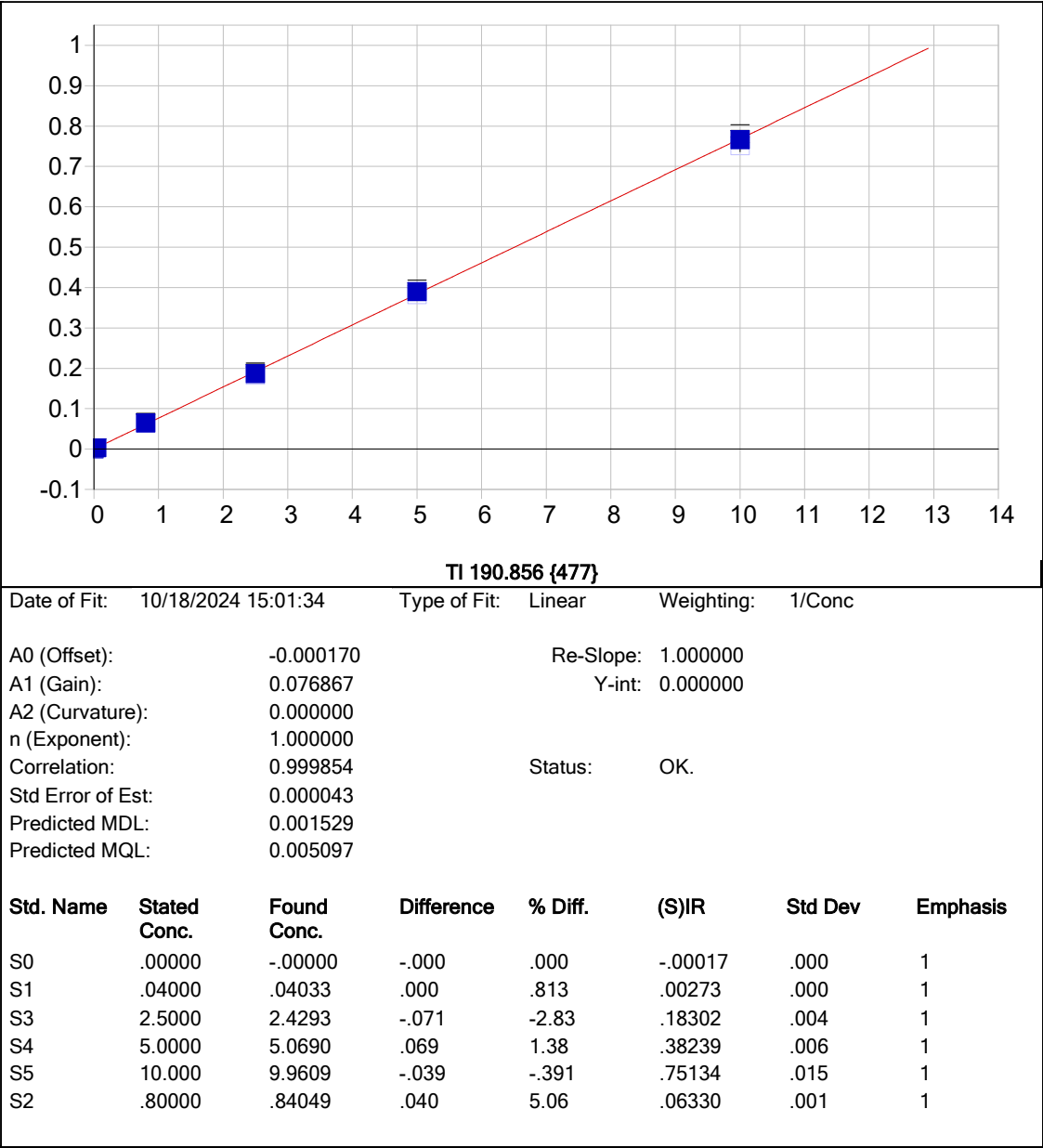


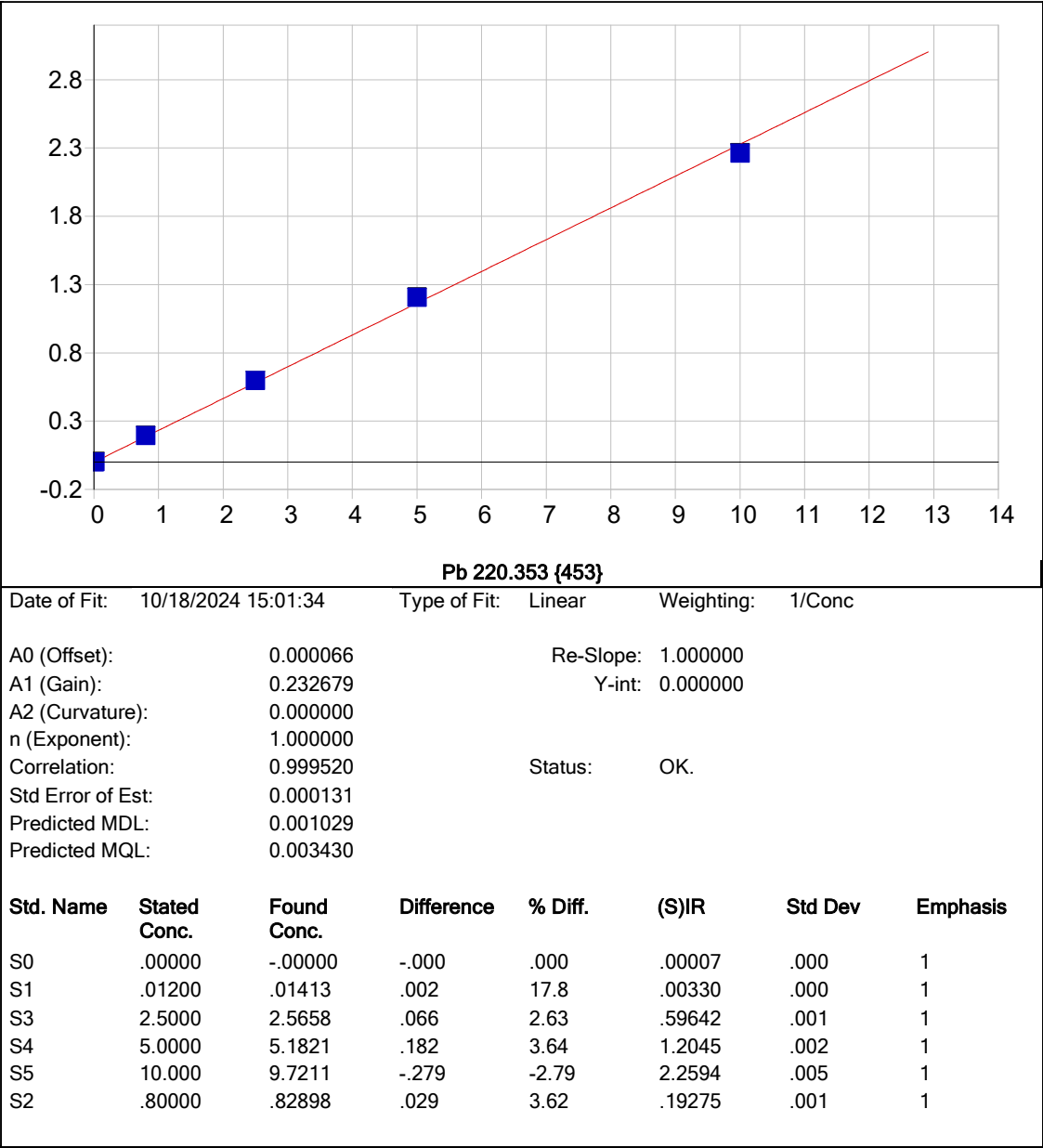
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		

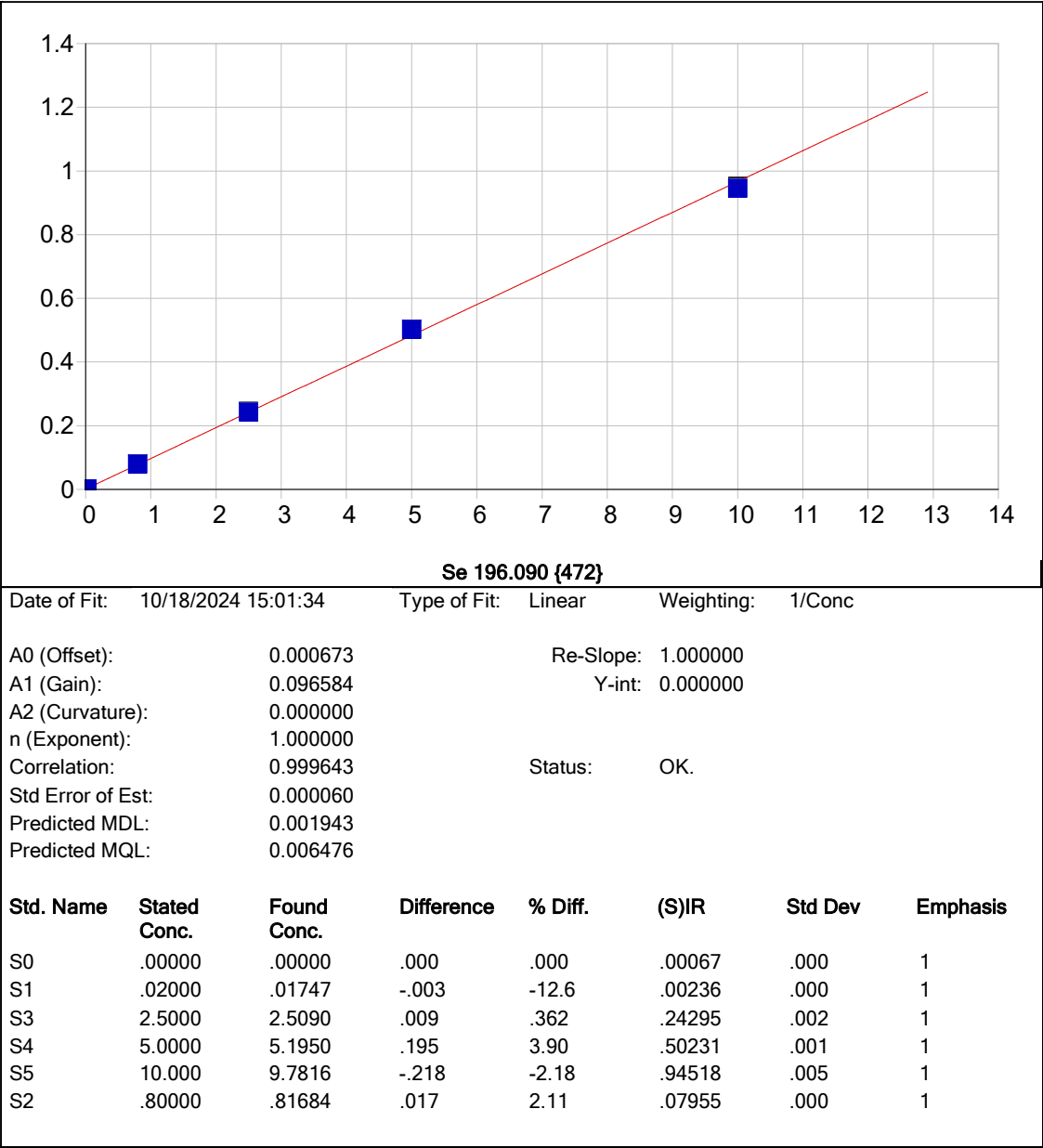


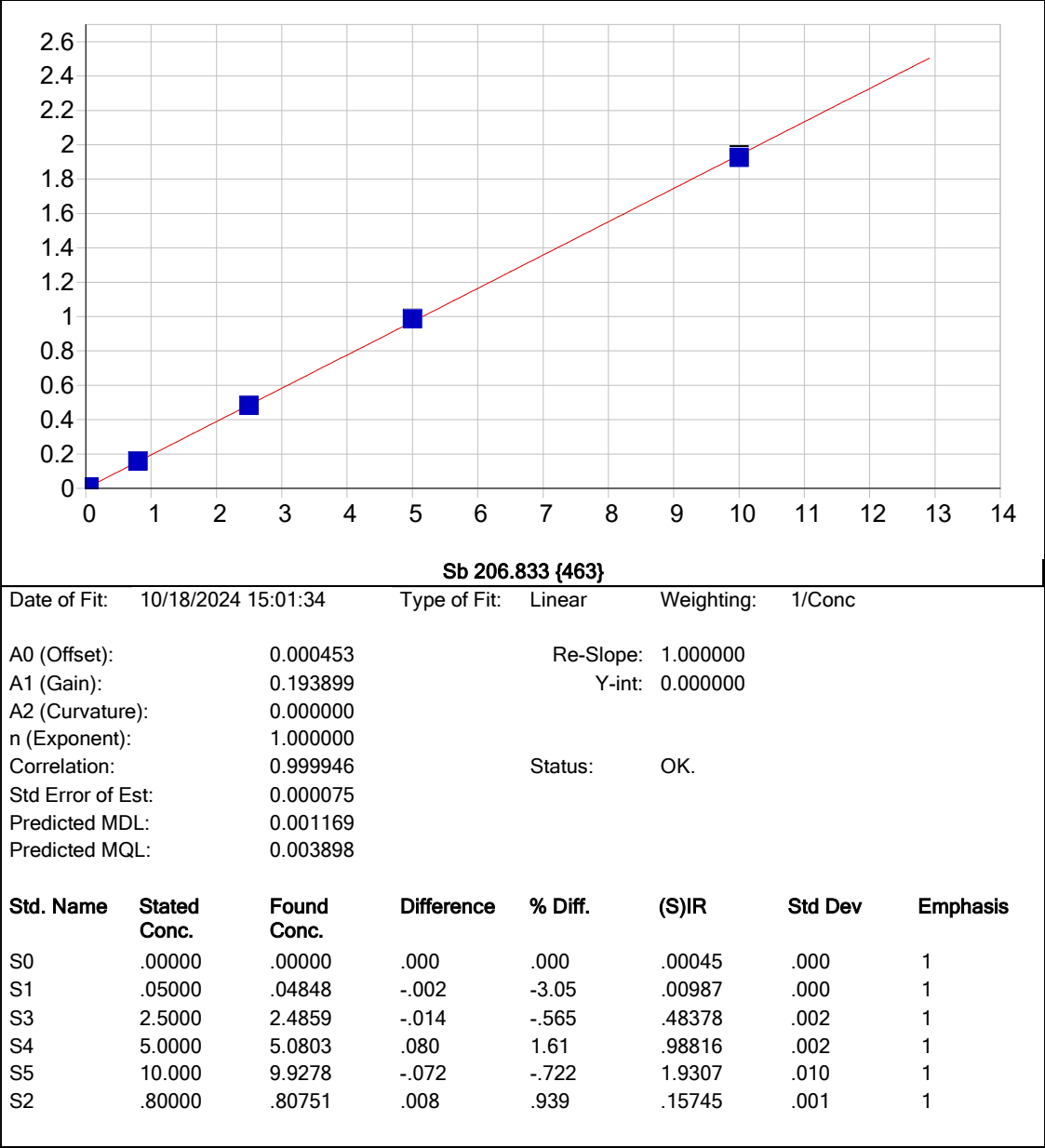
A2 (Curvature):		0.000000		Status:	Warning	Zero Gain	
n (Exponent):		1.000000					
Correlation:		0.000000					
Std Error of Est:		0.000000					
Predicted MDL:		n/a					
Predicted MQL:		n/a					
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

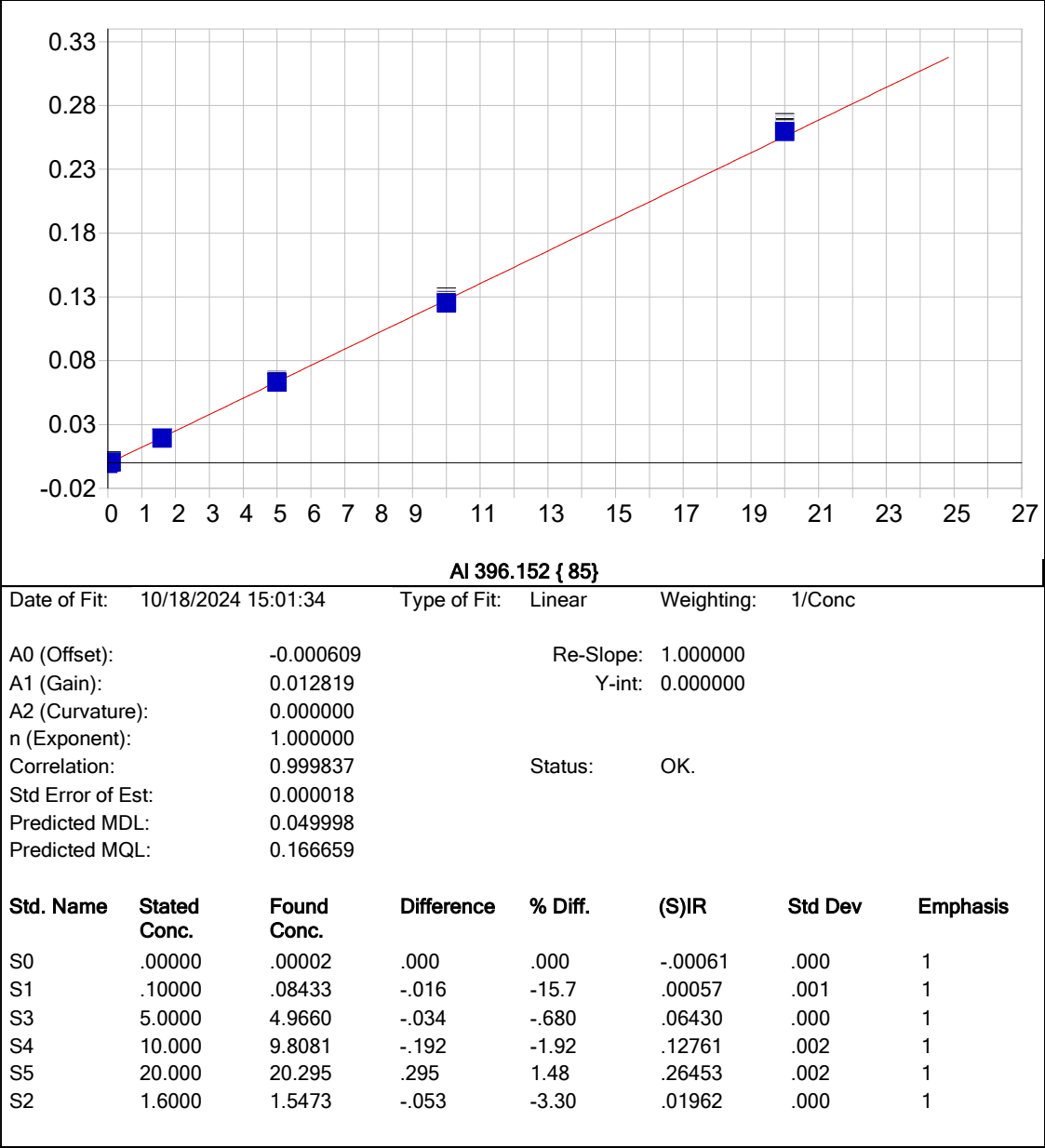


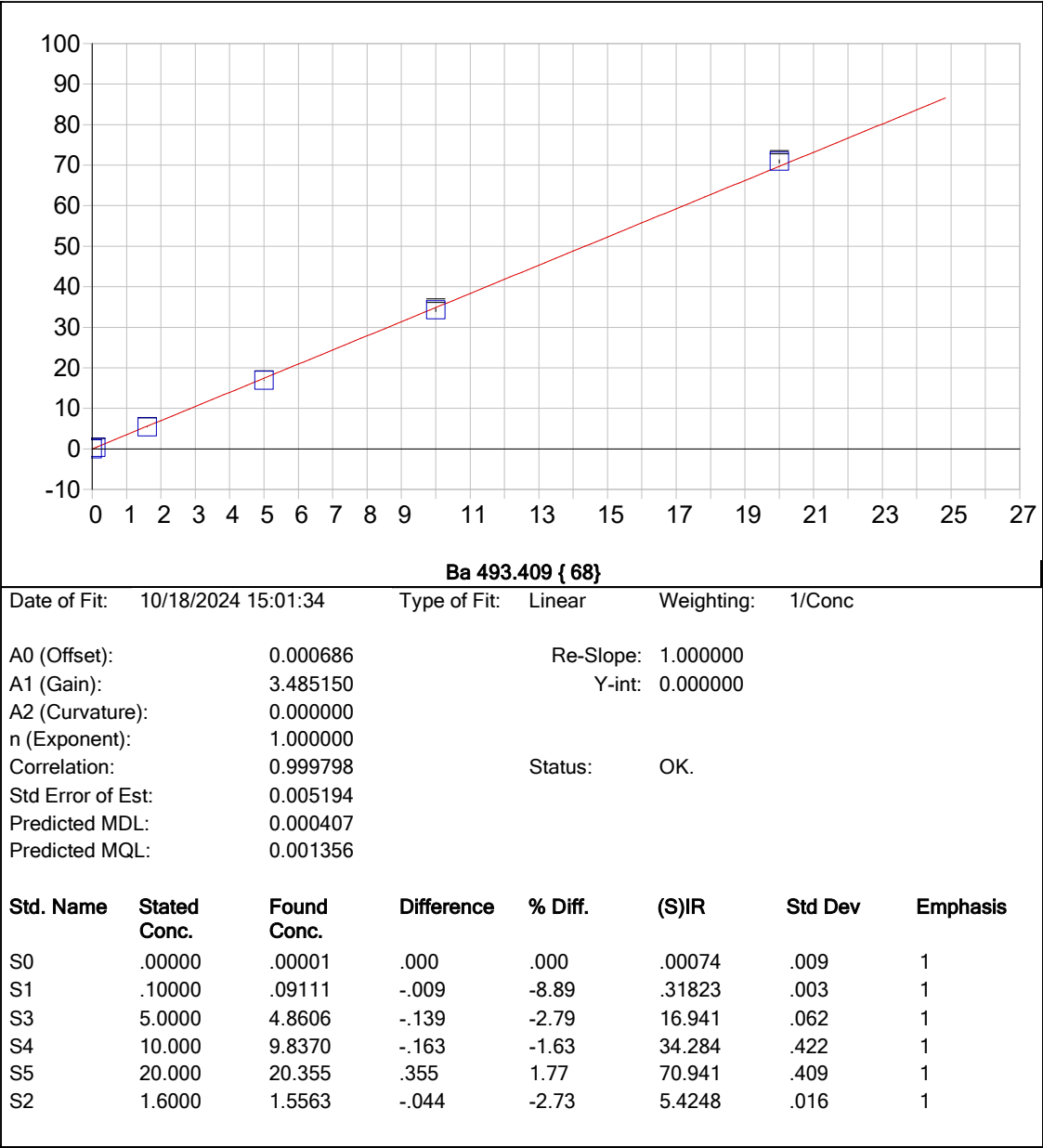


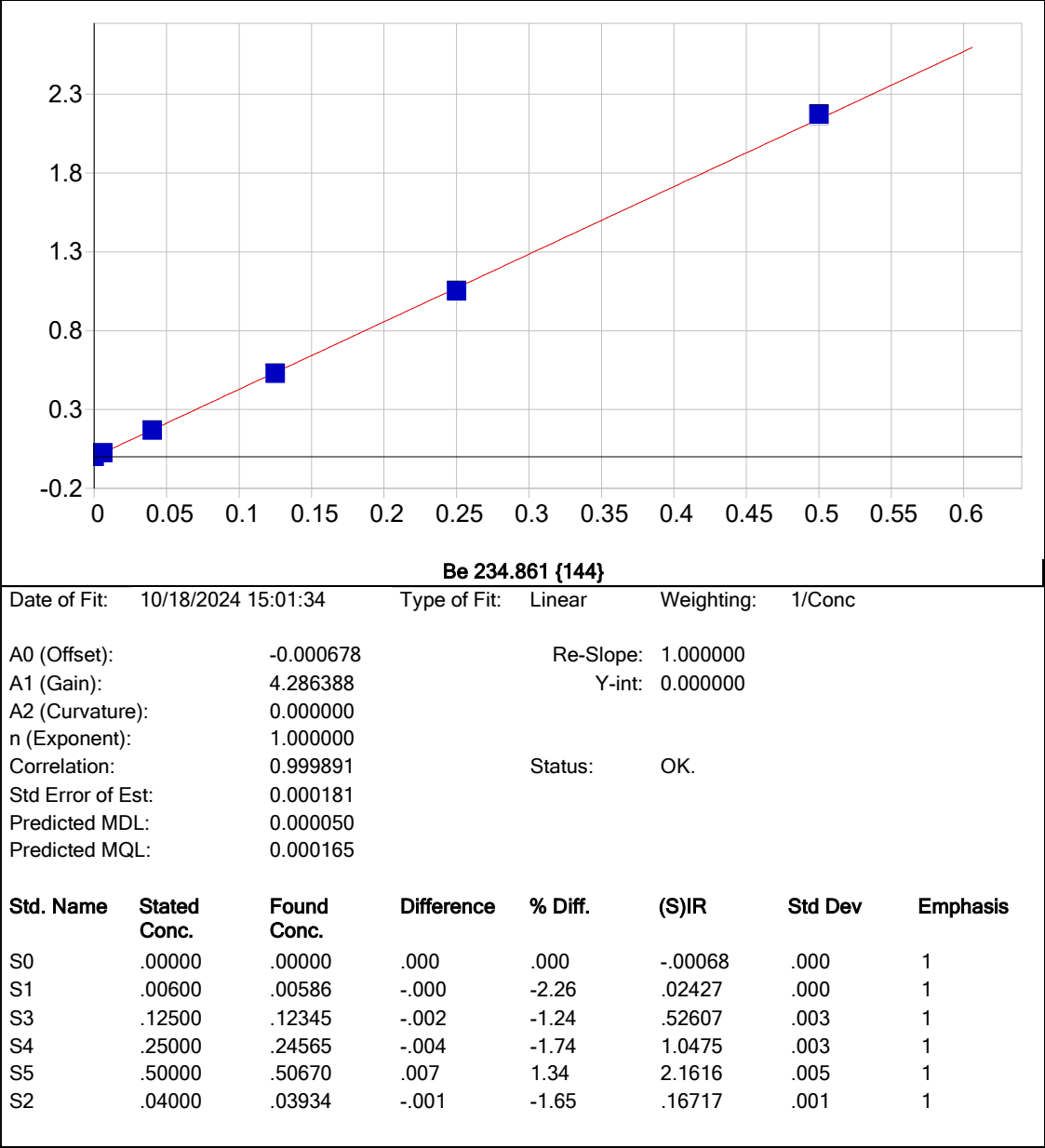


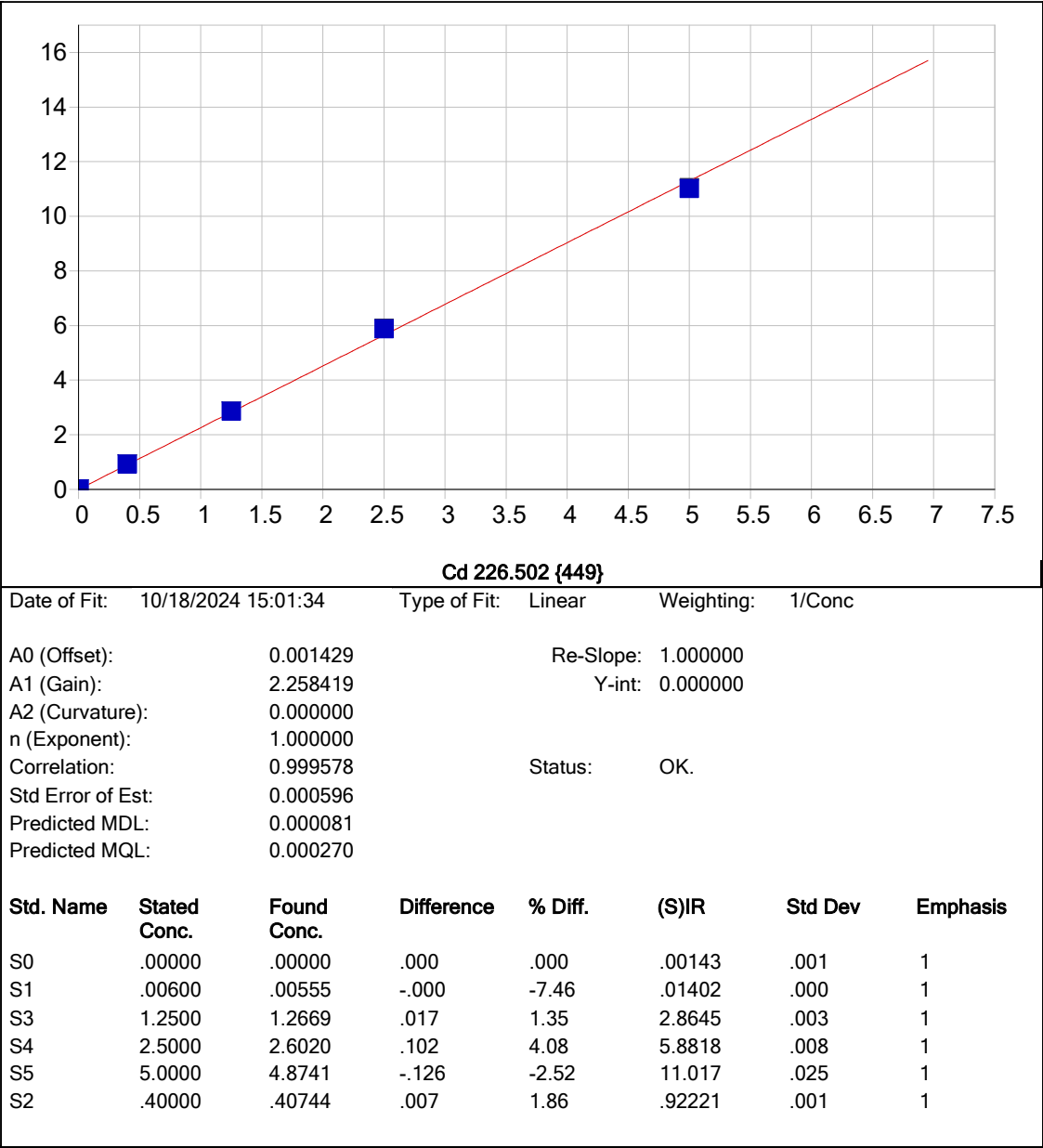


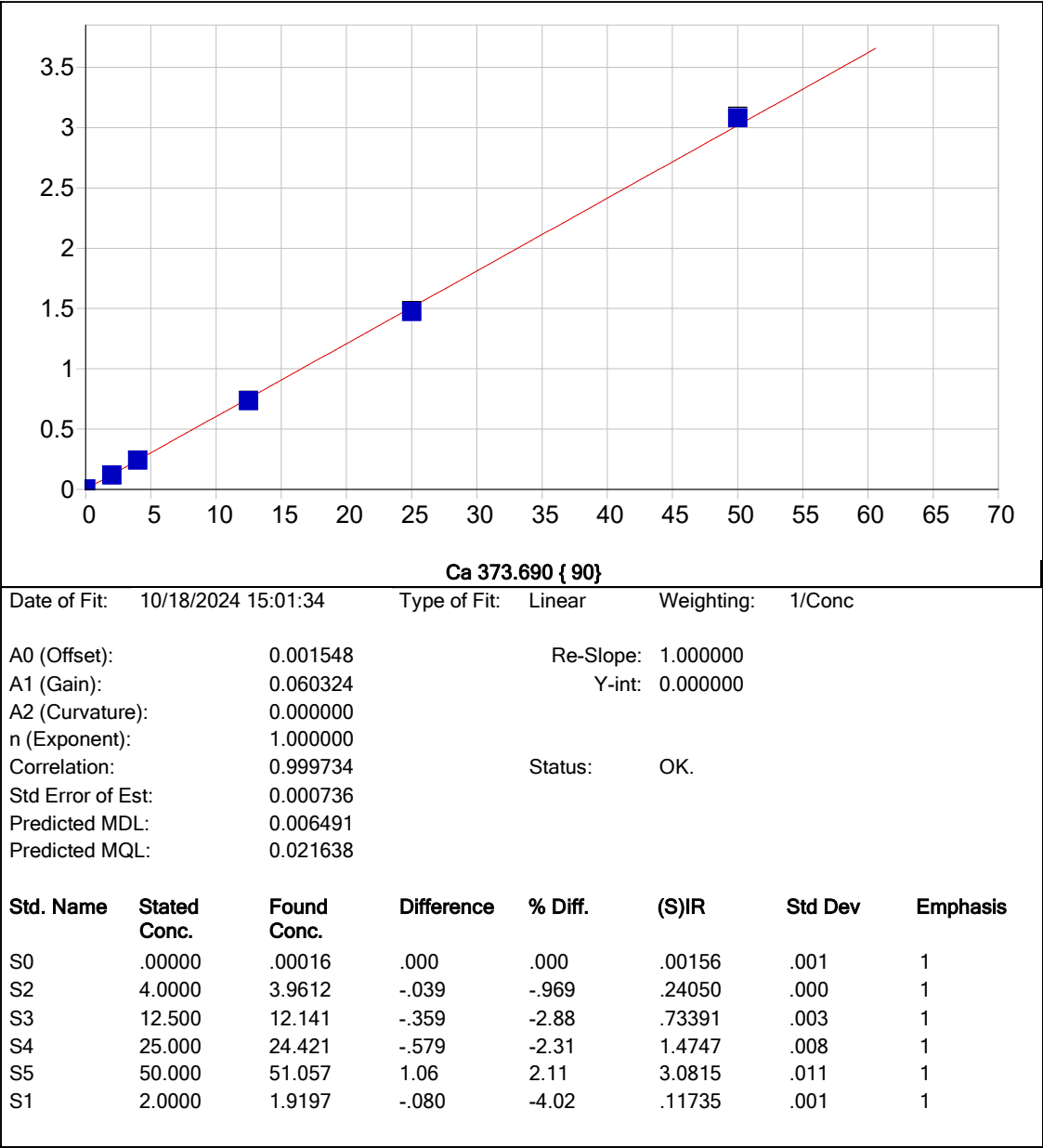


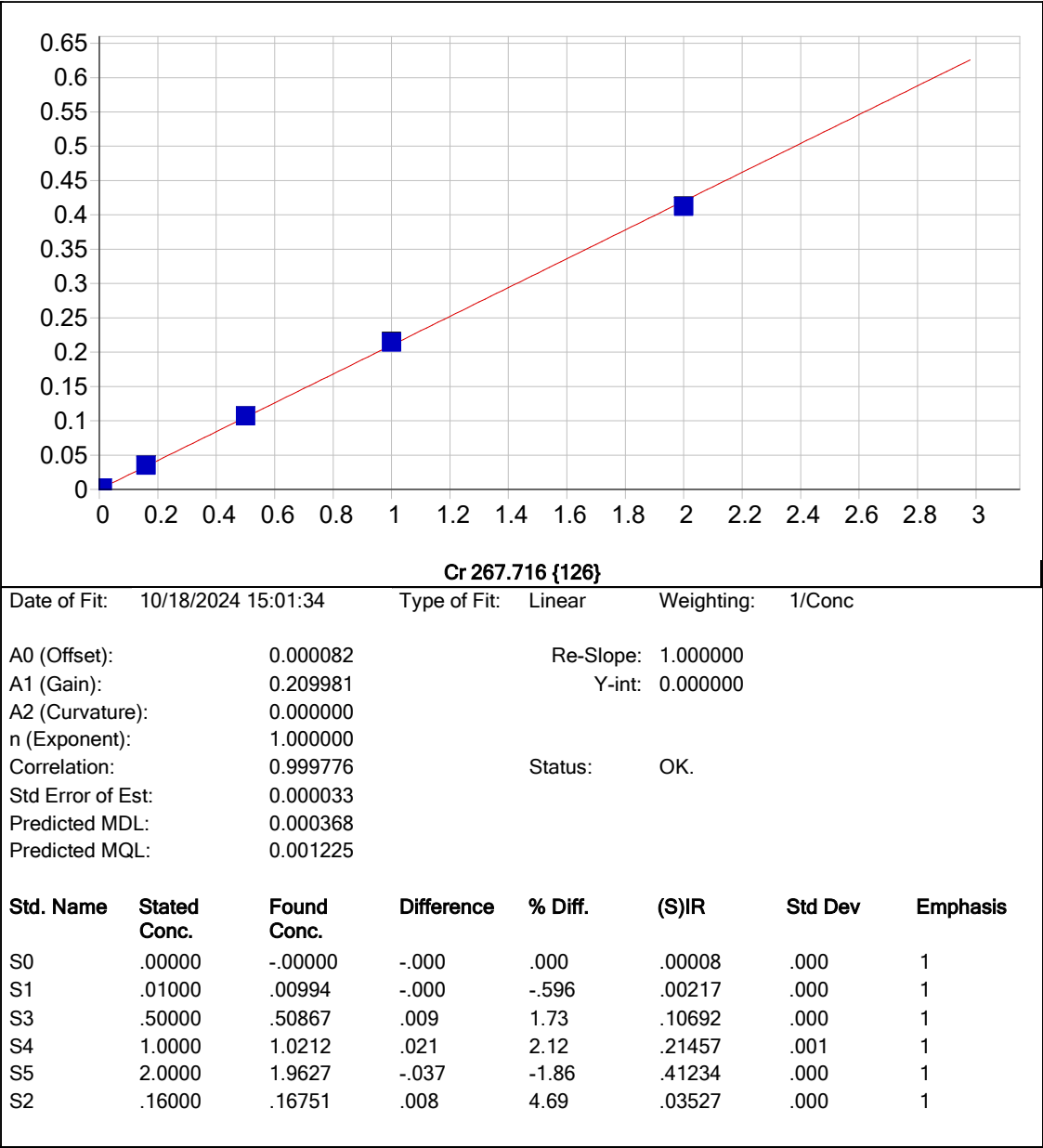


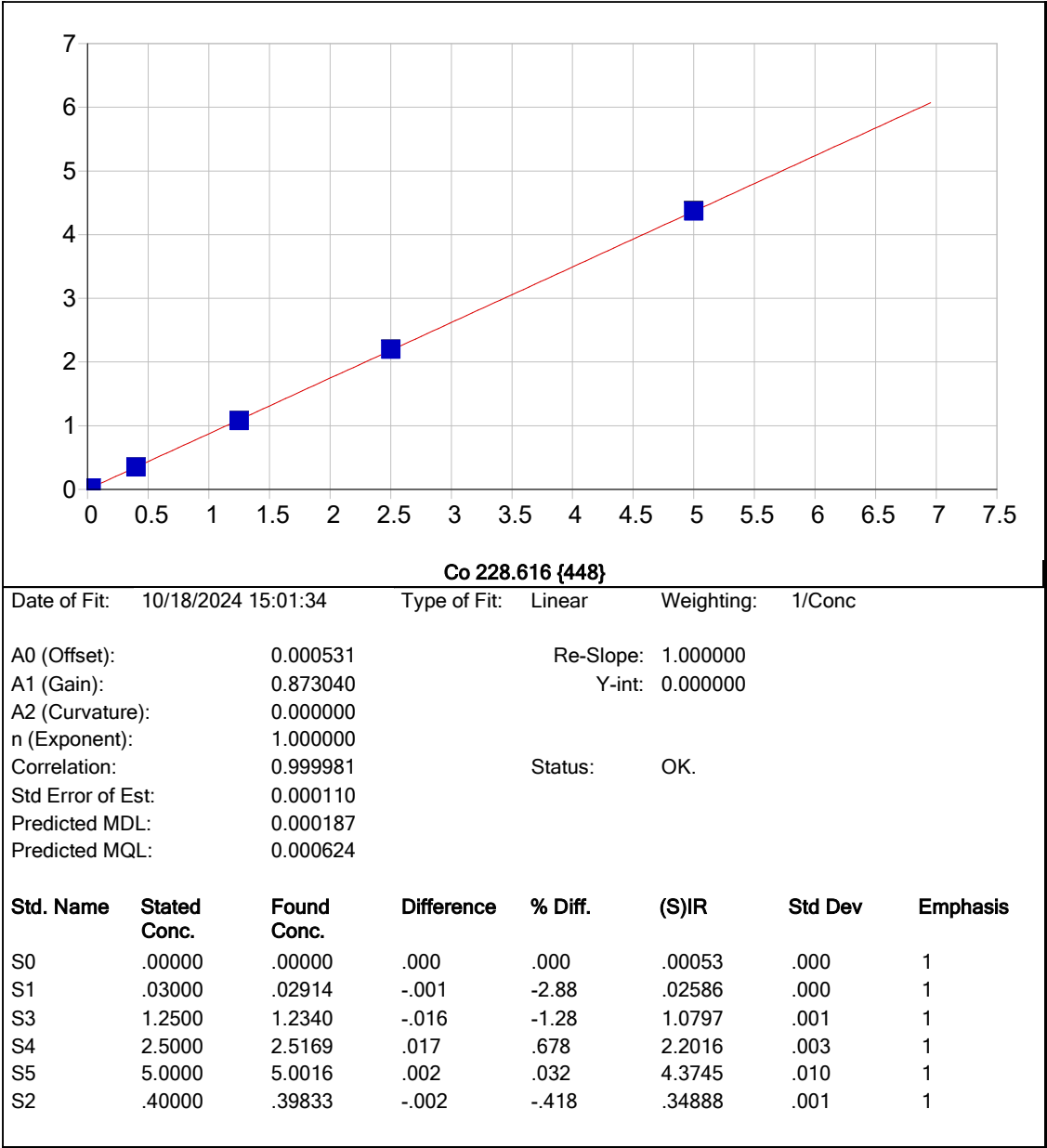


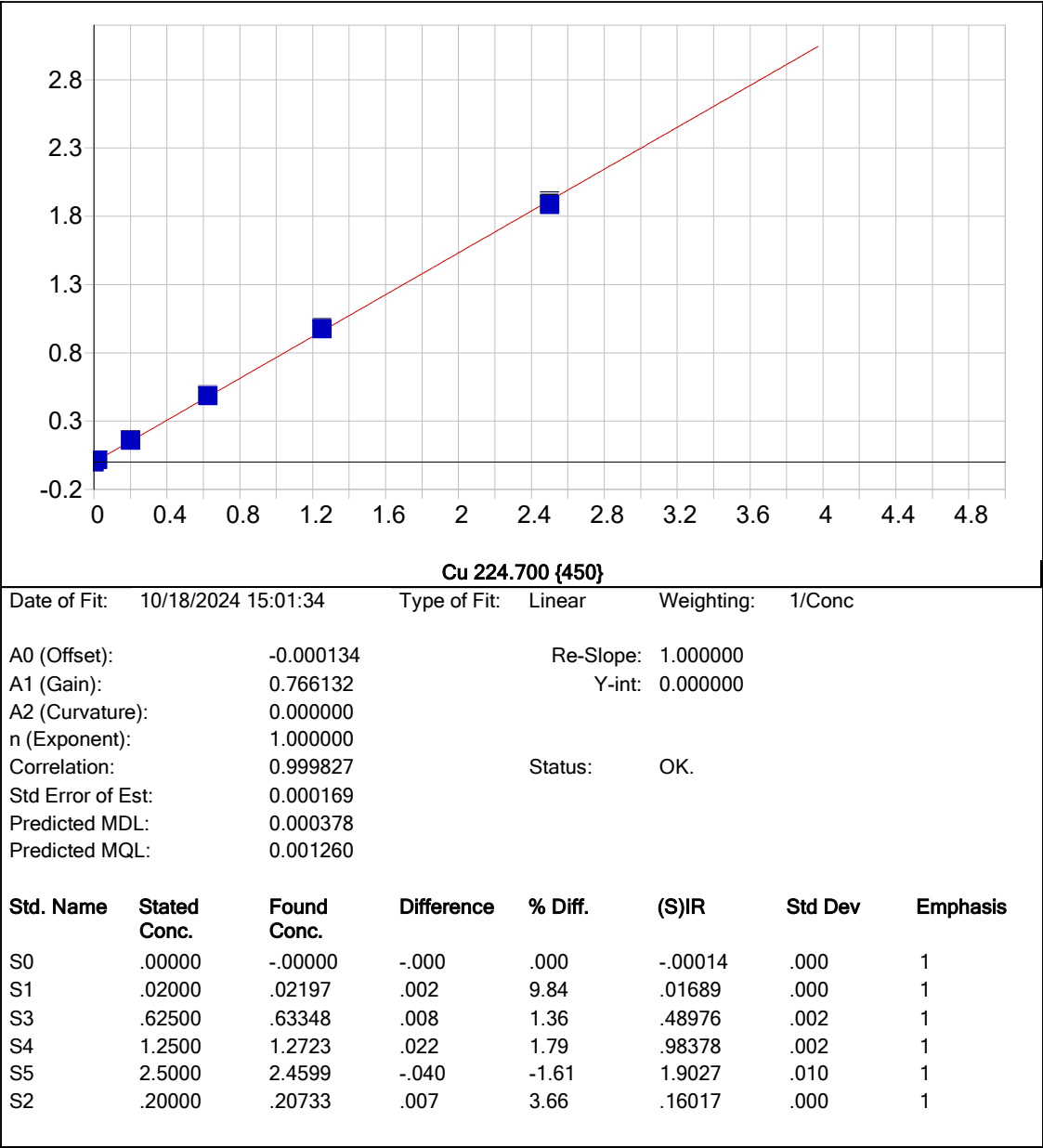


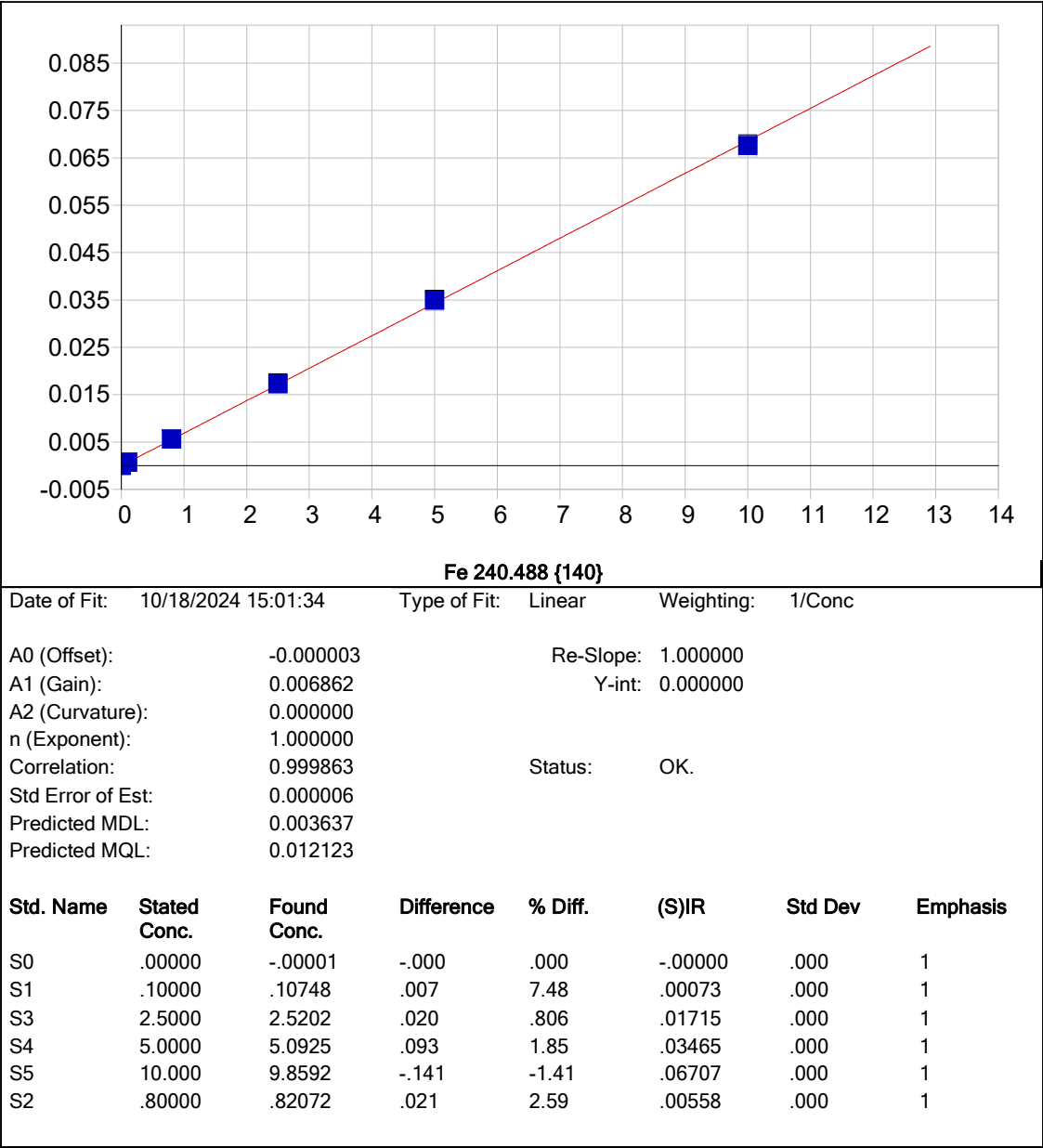


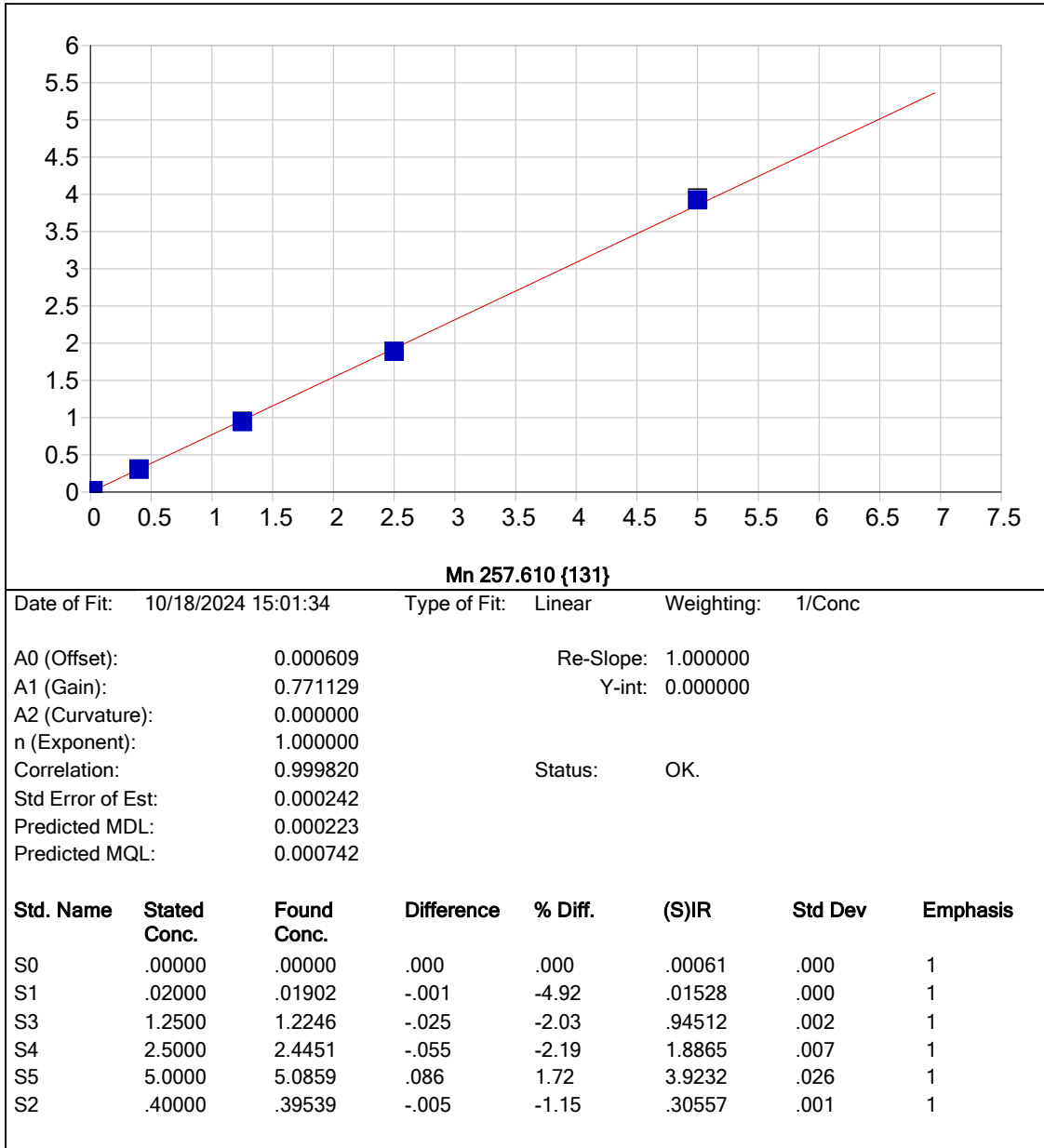


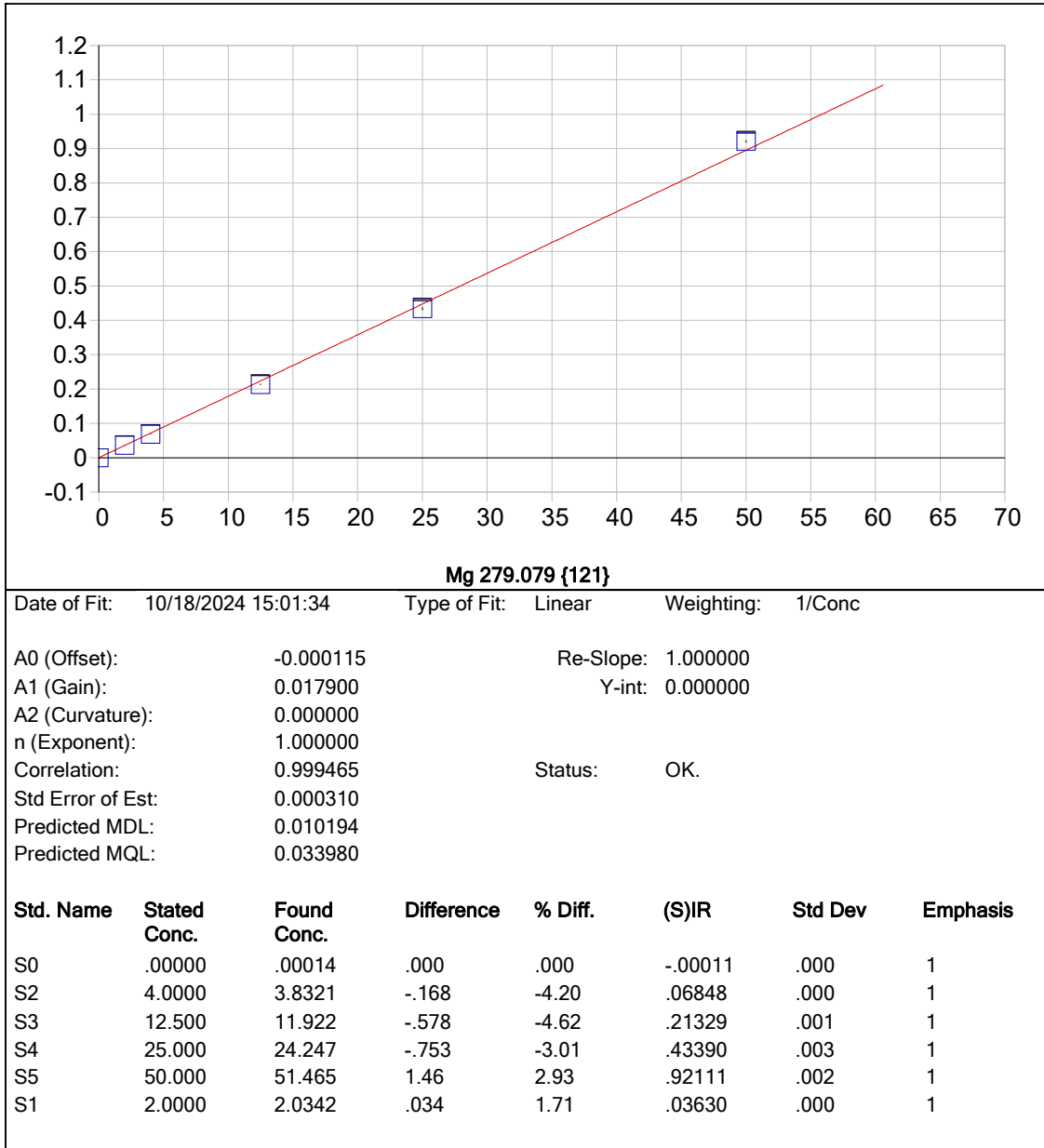






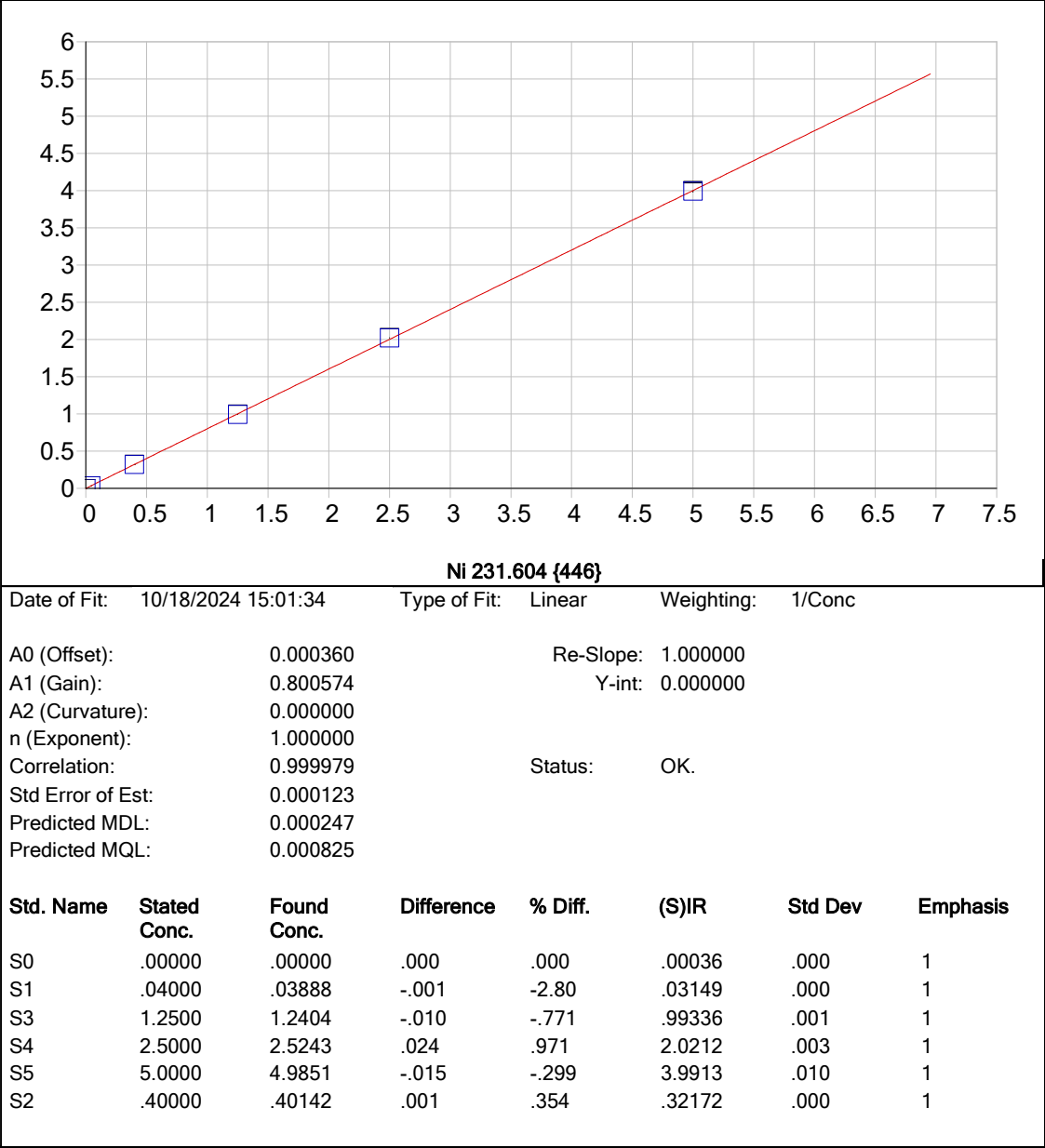


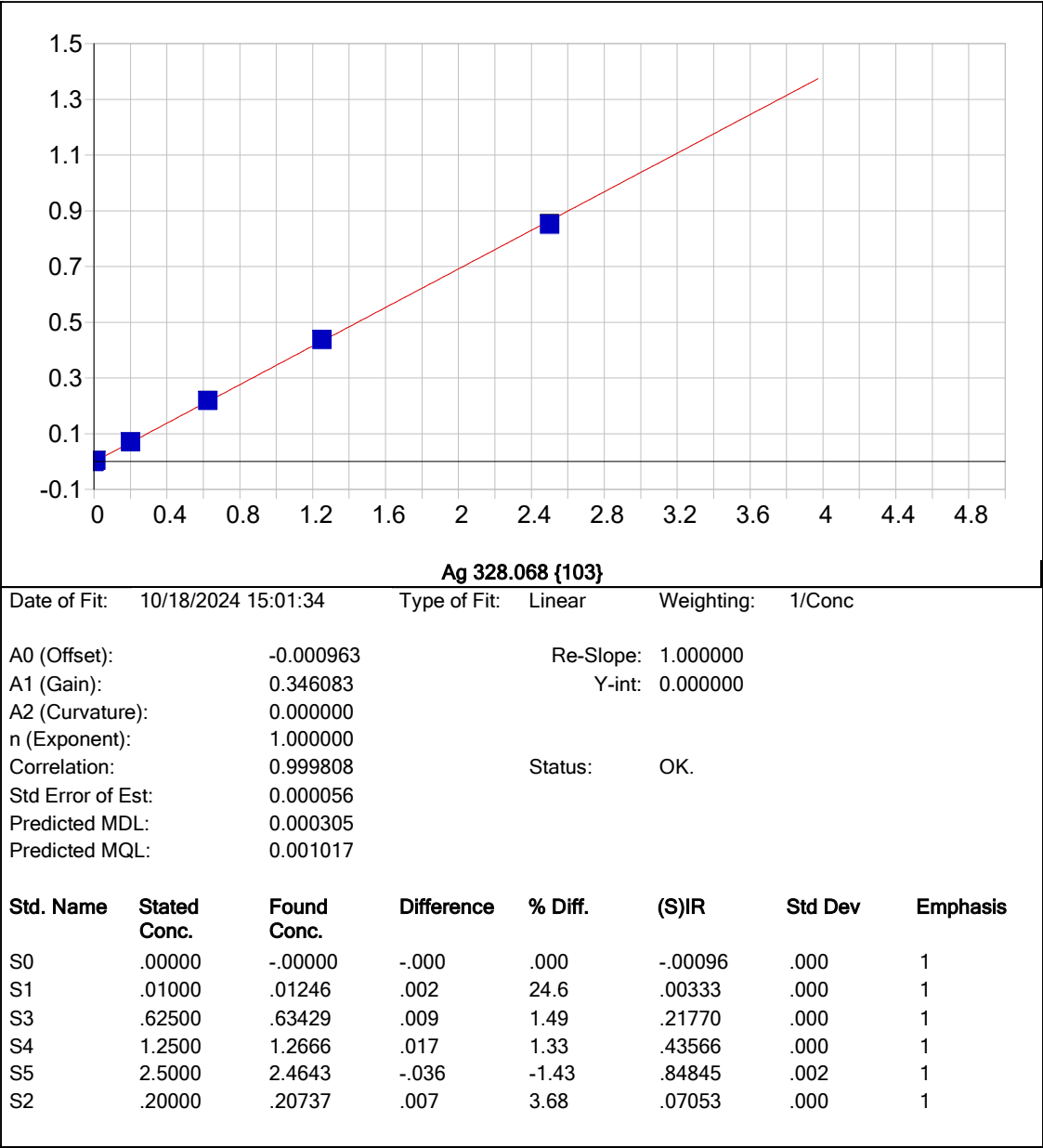


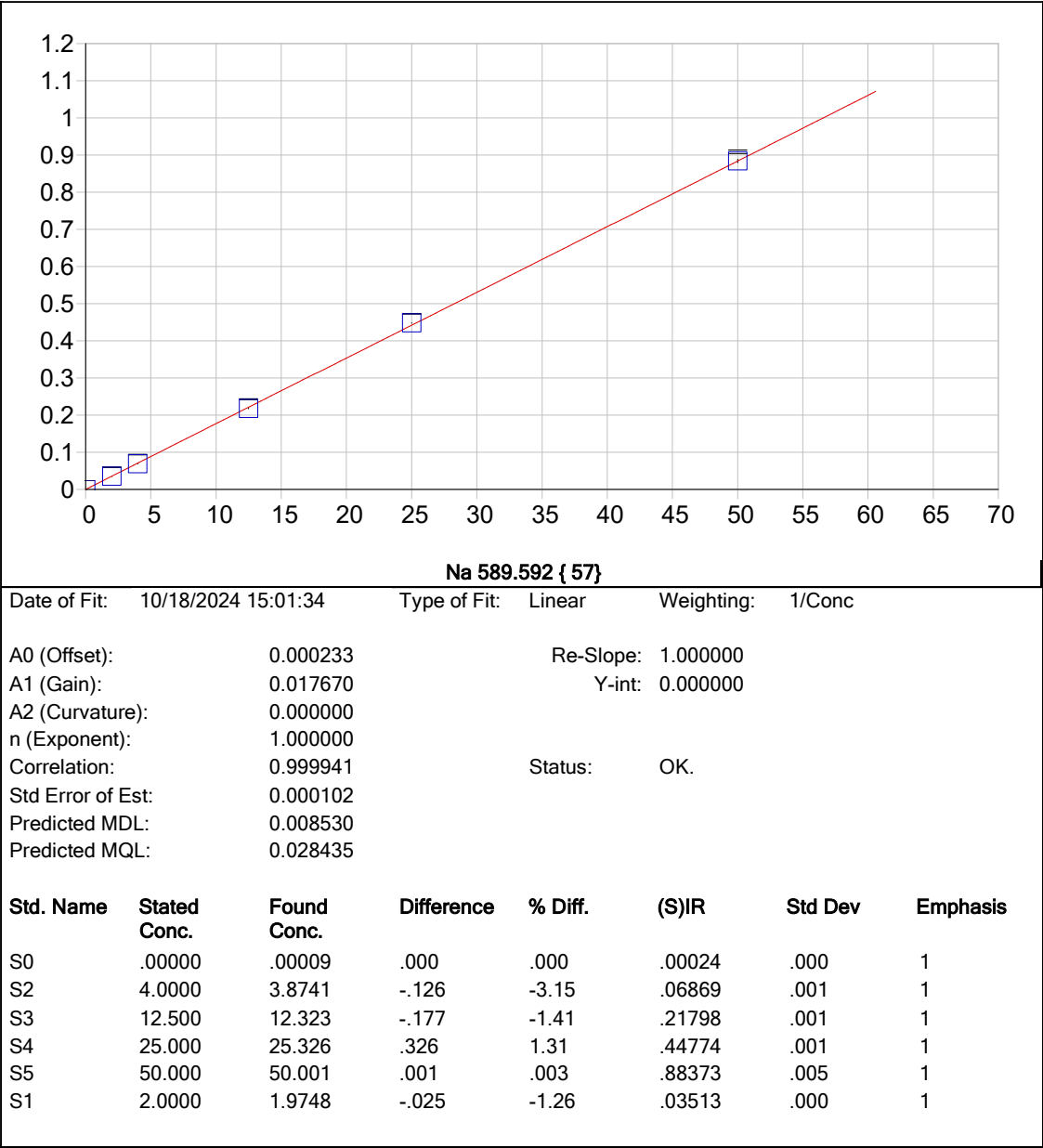


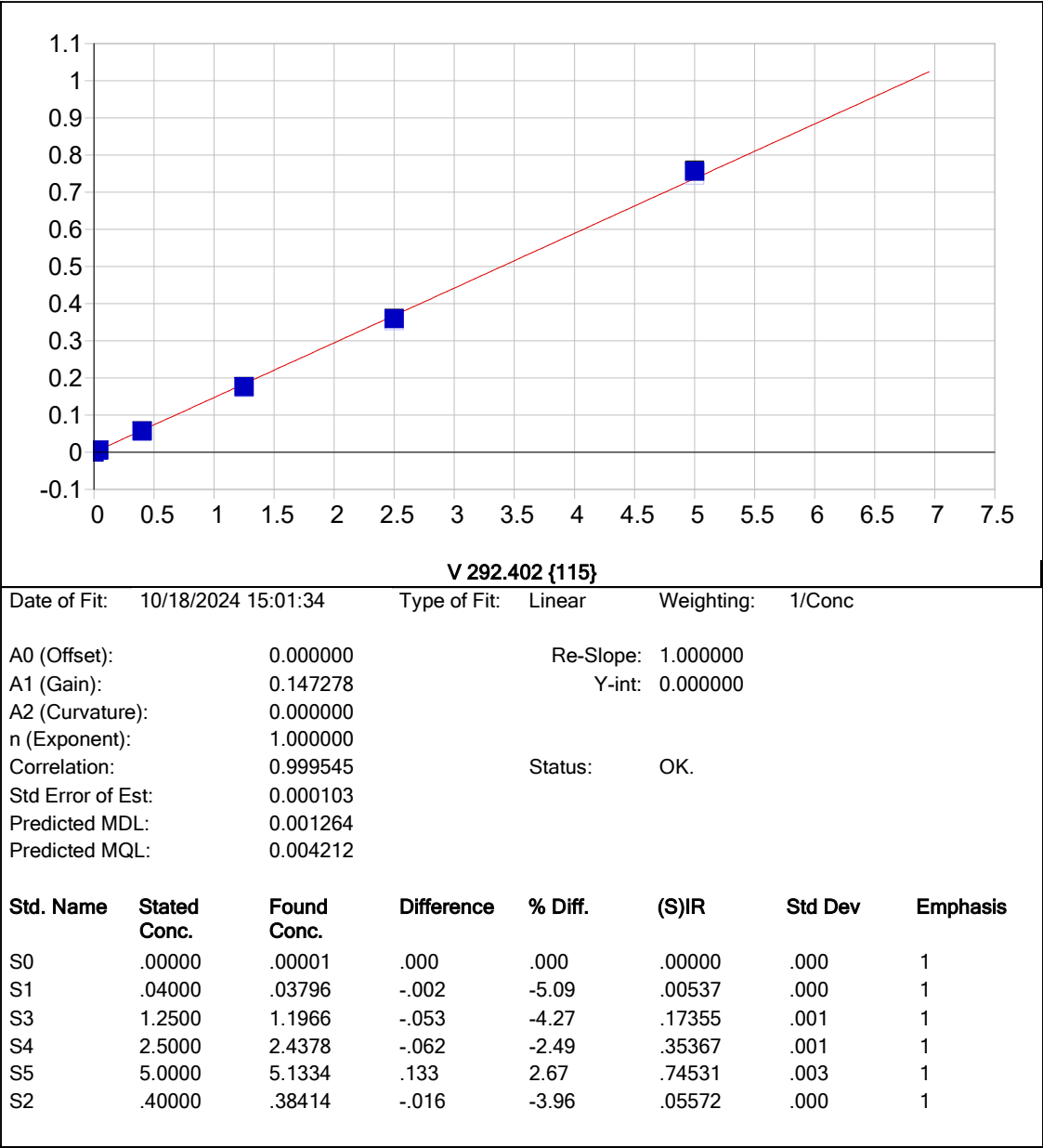
Date of Fit: 10/18/2024 15:01:34 Type of Fit: Linear Weighting: 1/Conc

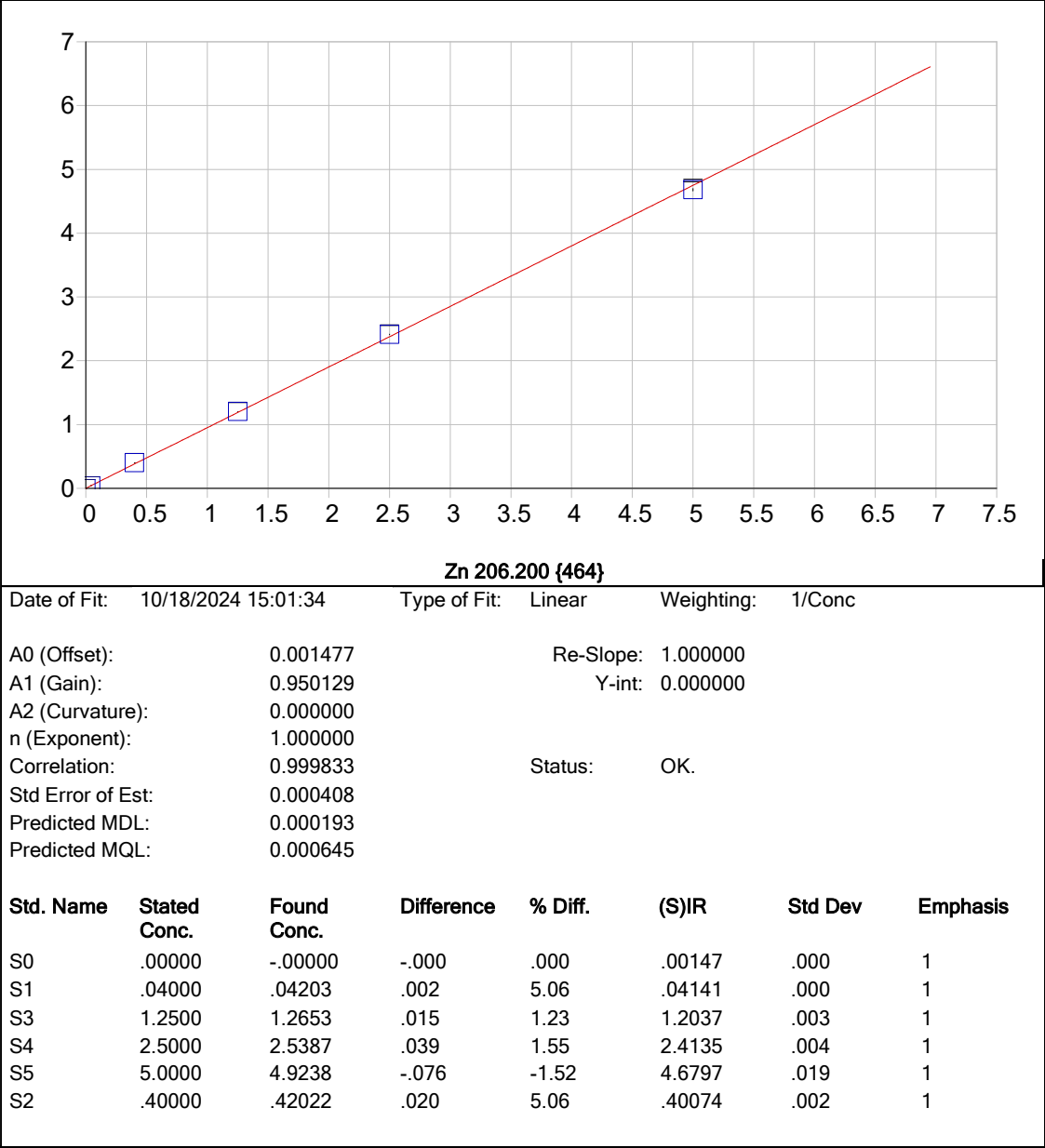
A0 (Offset): -0.000115 Re-Slope: 1.000000
A1 (Gain): 0.017900 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999465 Status: OK.
Std Error of Est: 0.000310
Predicted MDL: 0.010194
Predicted MQL: 0.033980

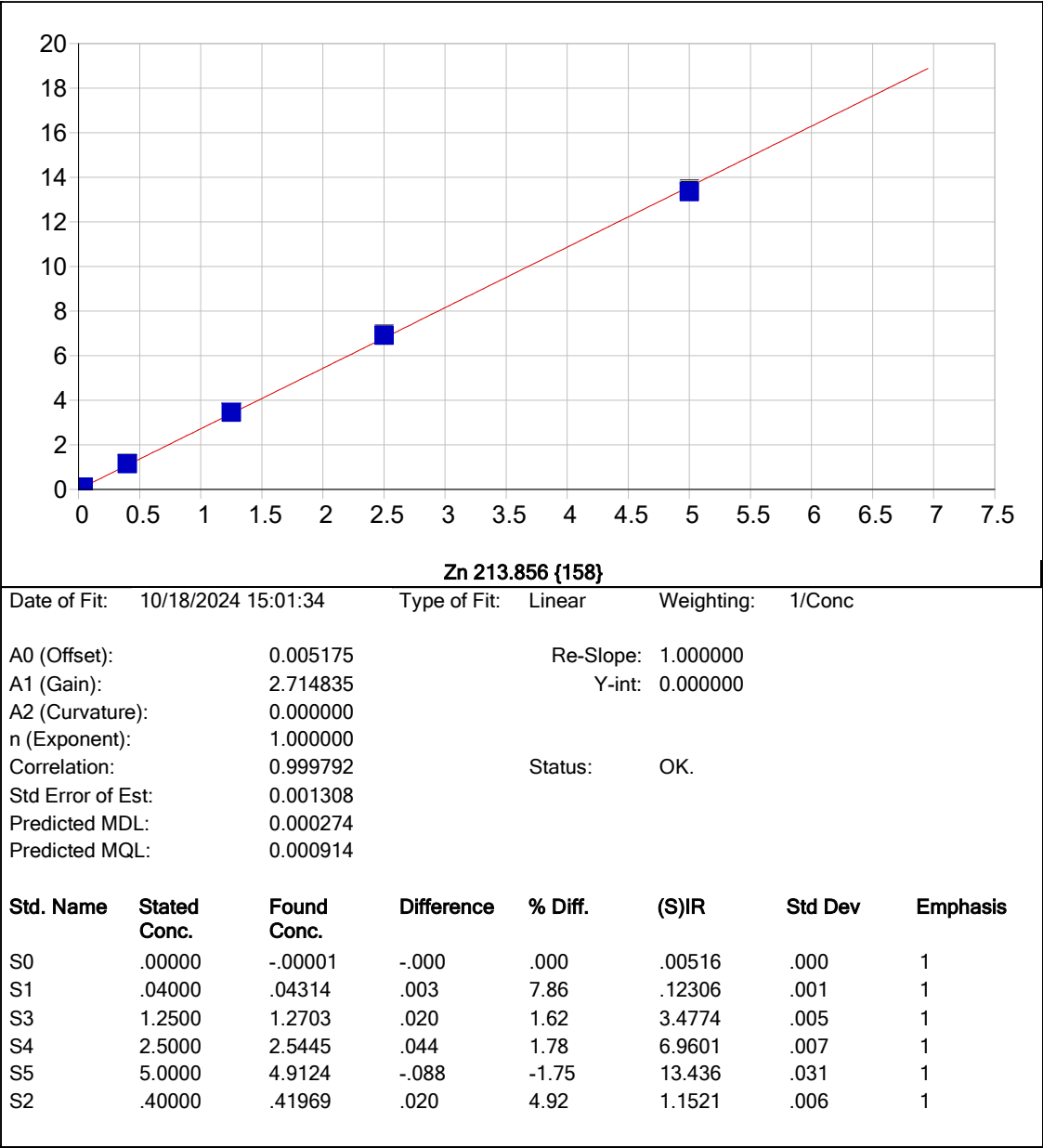


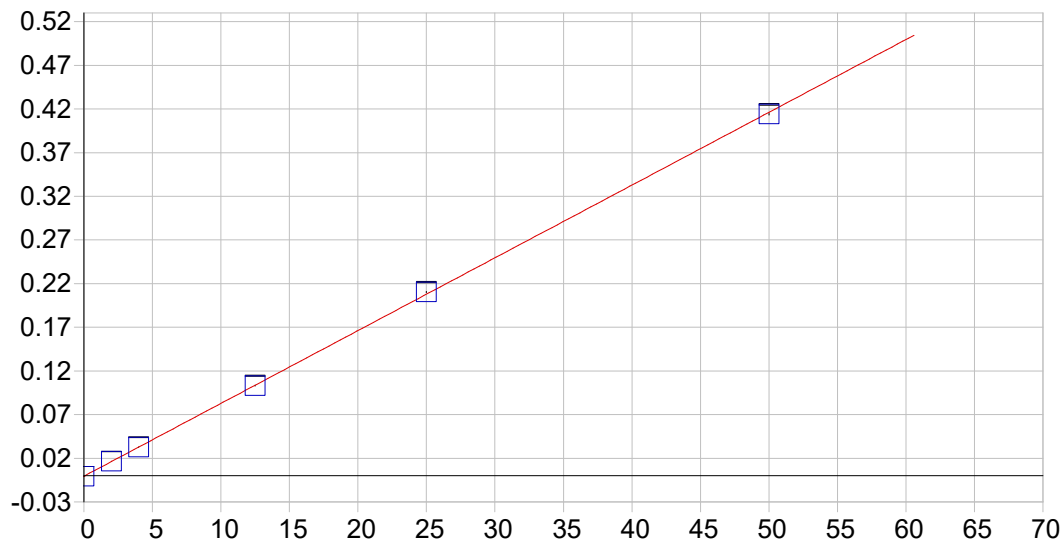










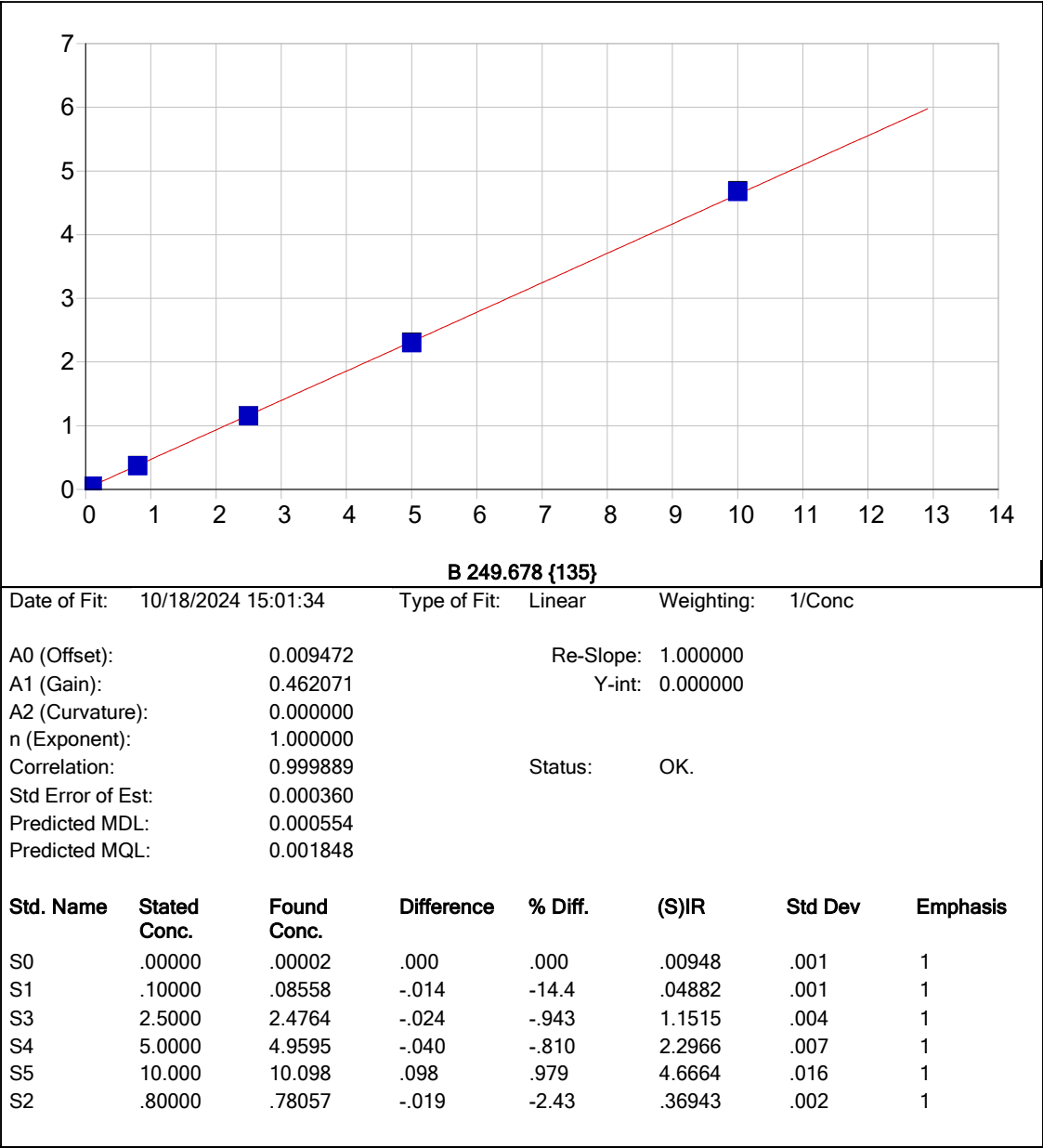


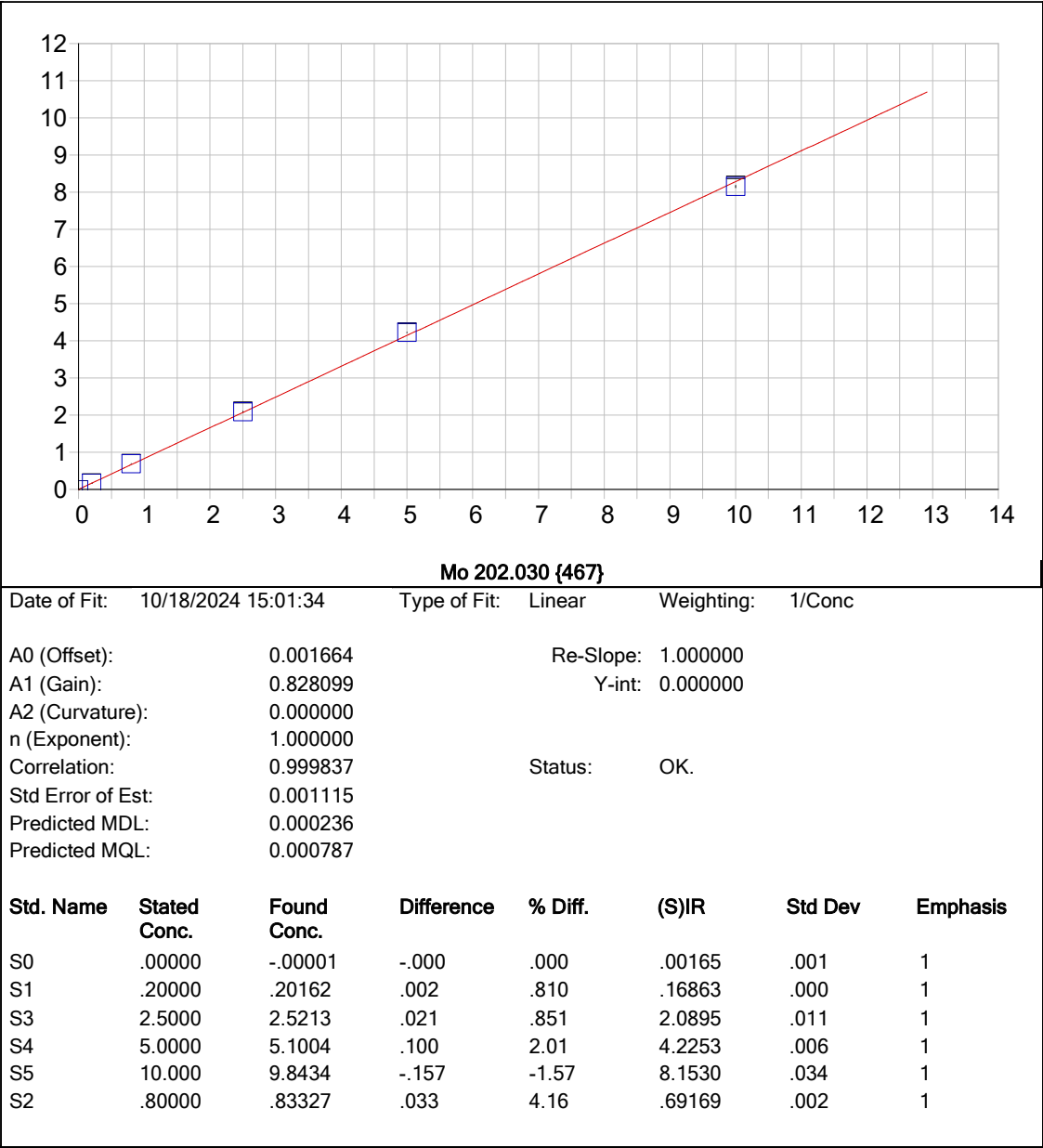
K 766.490 { 44}

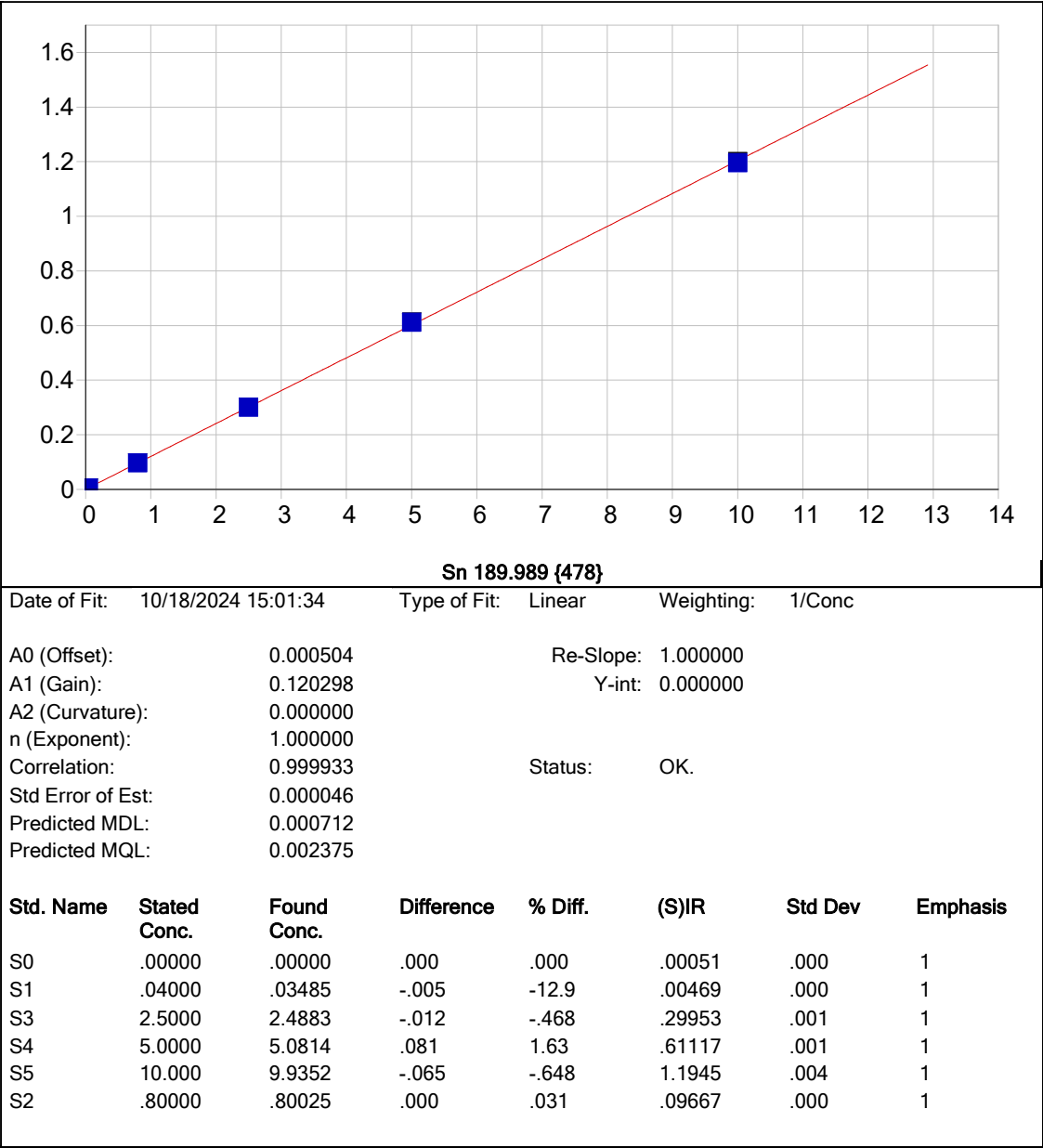
Date of Fit: 10/18/2024 15:01:34 Type of Fit: Linear Weighting: 1/Conc

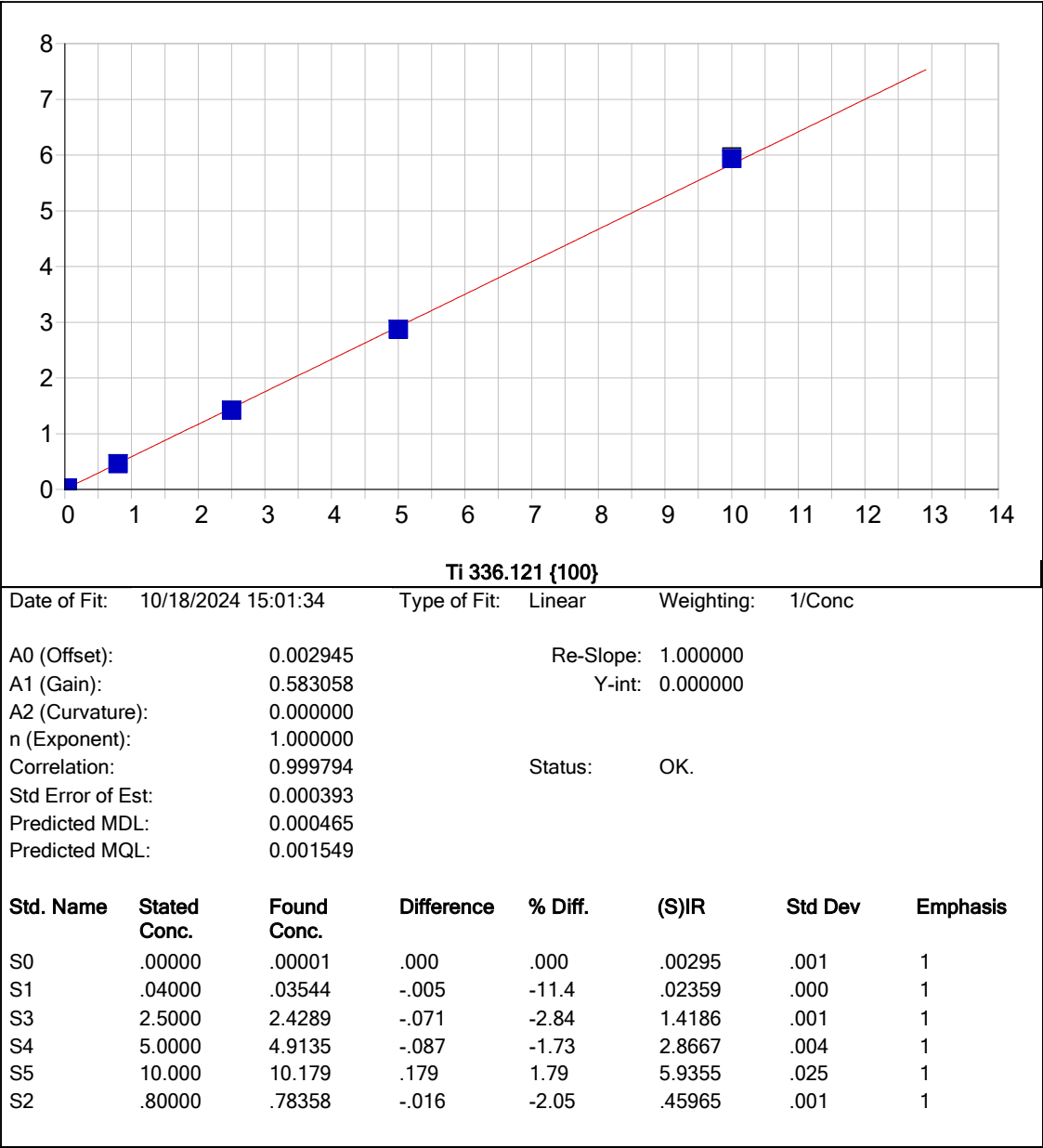
A0 (Offset): -0.000524 Re-Slope: 1.000000
A1 (Gain): 0.008334 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999967 Status: OK.
Std Error of Est: 0.000036
Predicted MDL: 0.021412
Predicted MQL: 0.071372

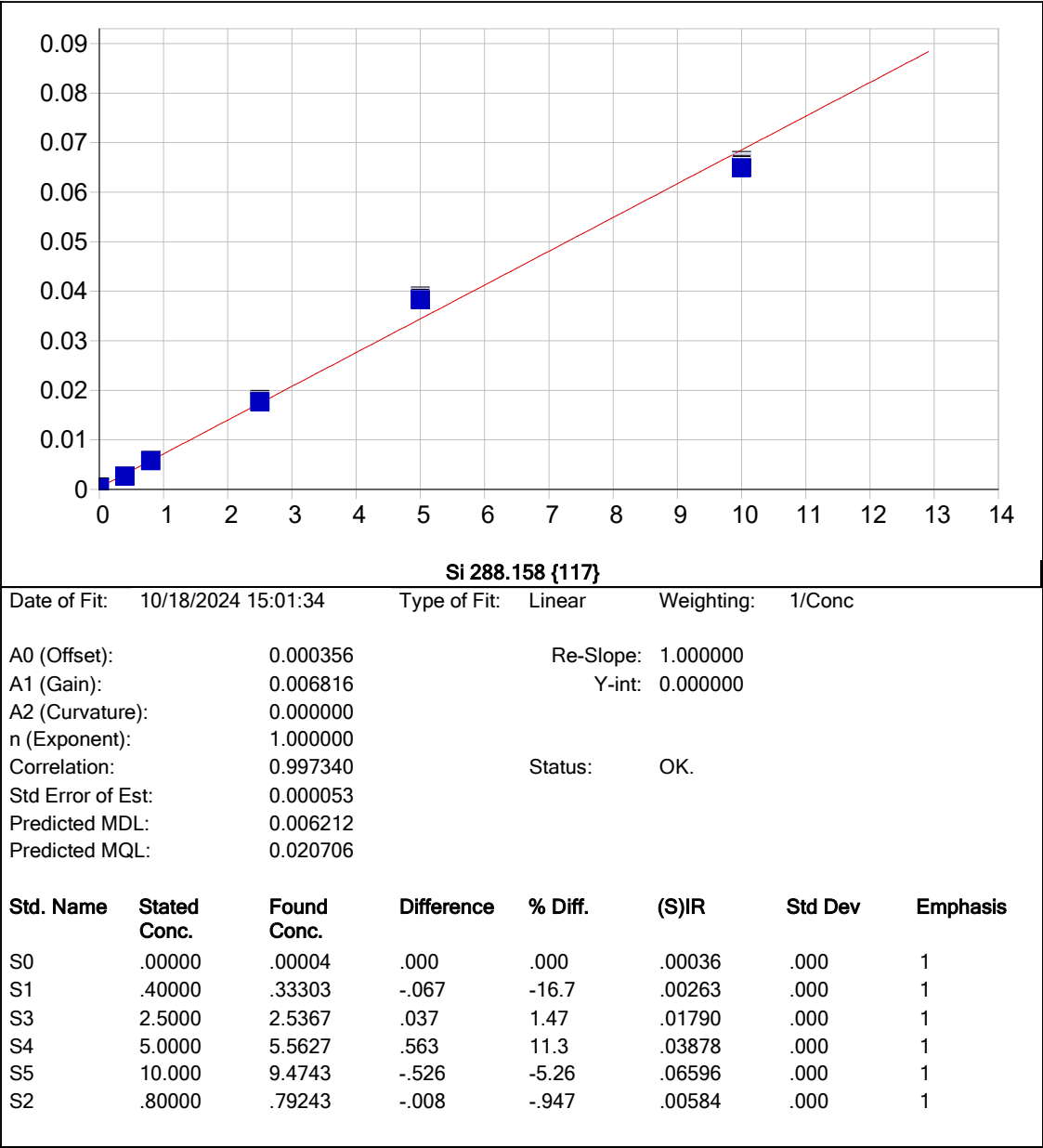
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	-.00052	.000	1
S2	4.0000	3.9711	-.029	-.722	.03257	.000	1
S3	12.500	12.447	-.053	-.422	.10321	.000	1
S4	25.000	25.310	.310	1.24	.21042	.001	1
S5	50.000	49.741	-.259	-.519	.41403	.001	1
S1	2.0000	2.0307	.031	1.54	.01640	.000	1

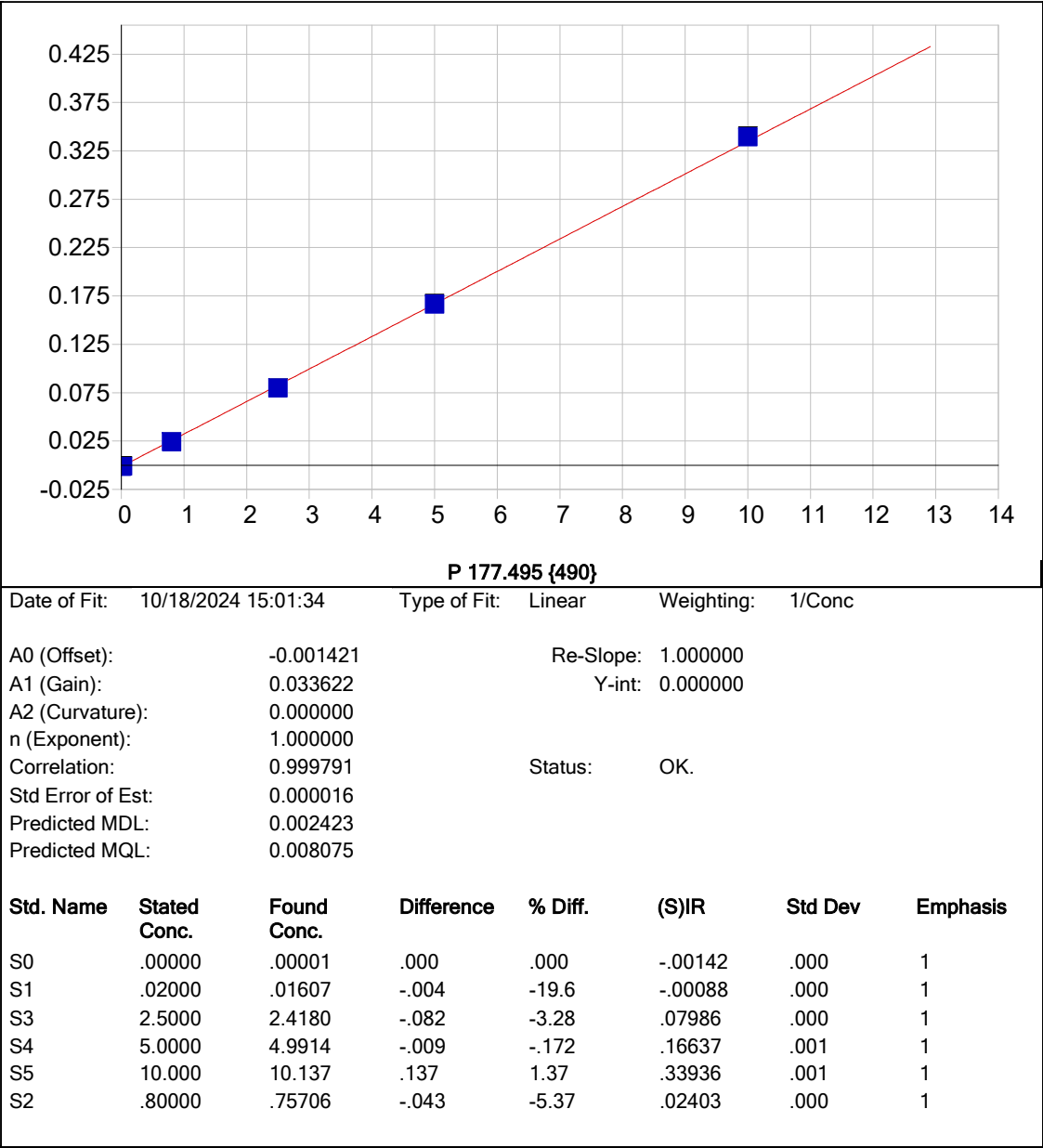


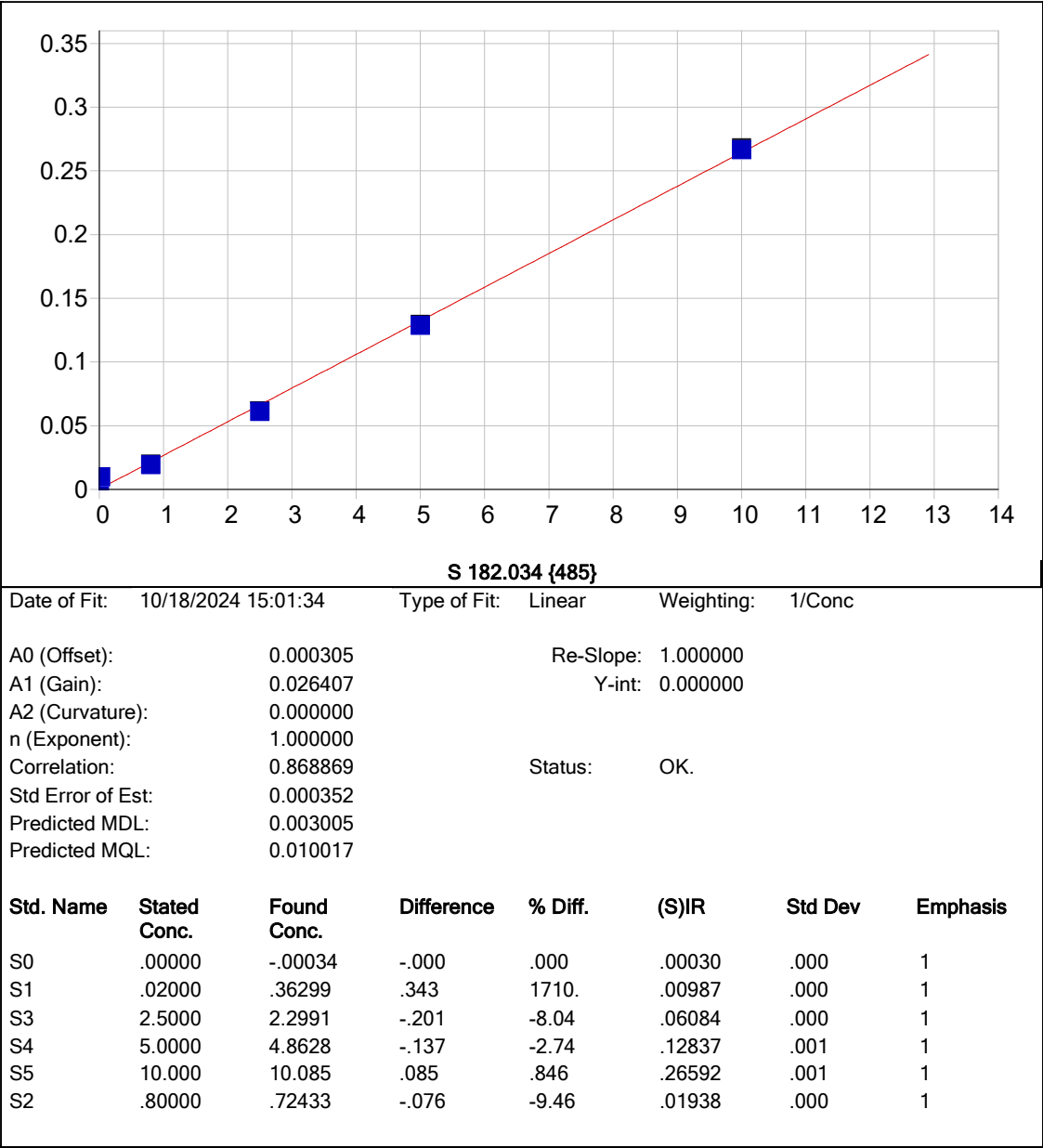


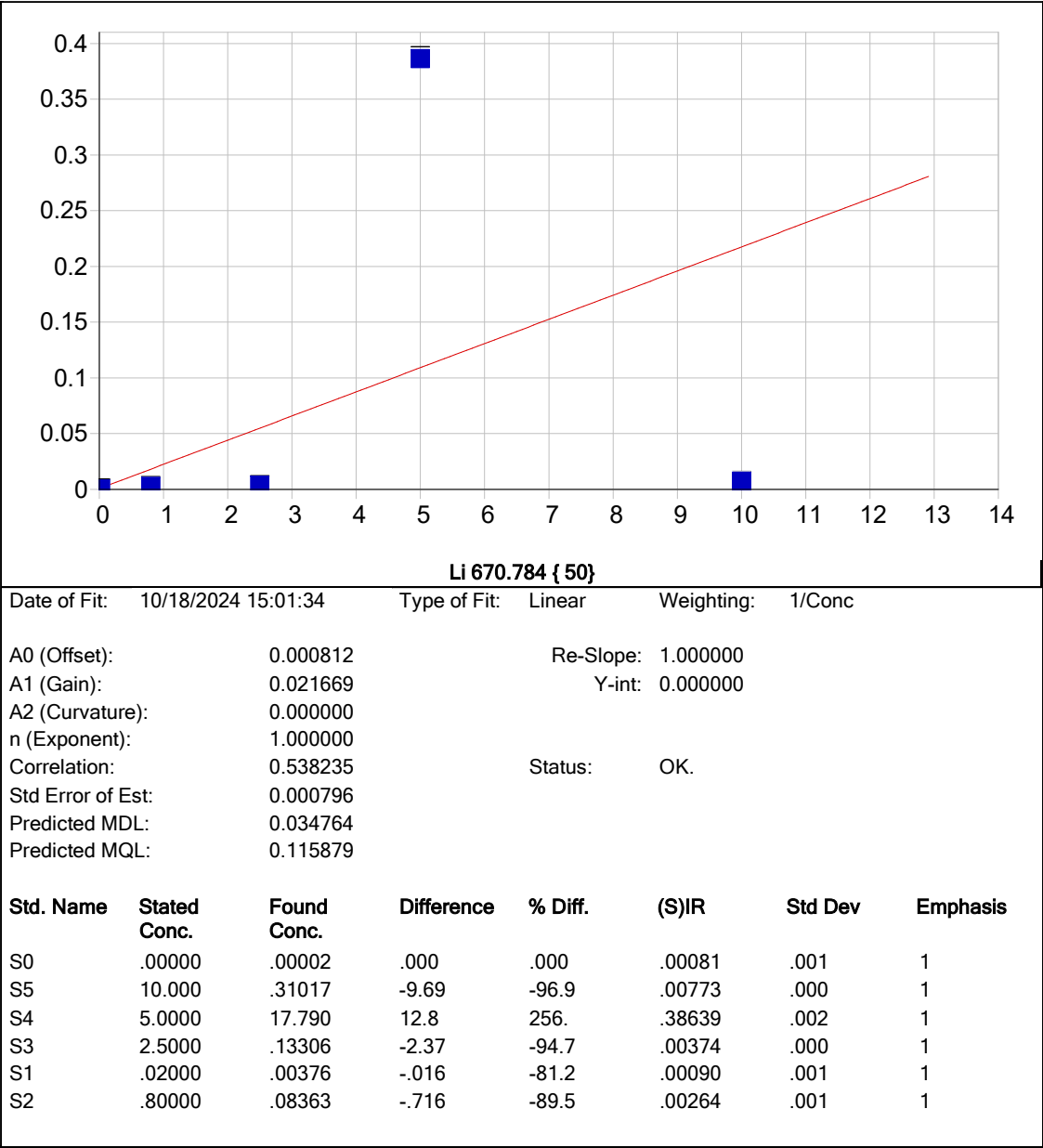


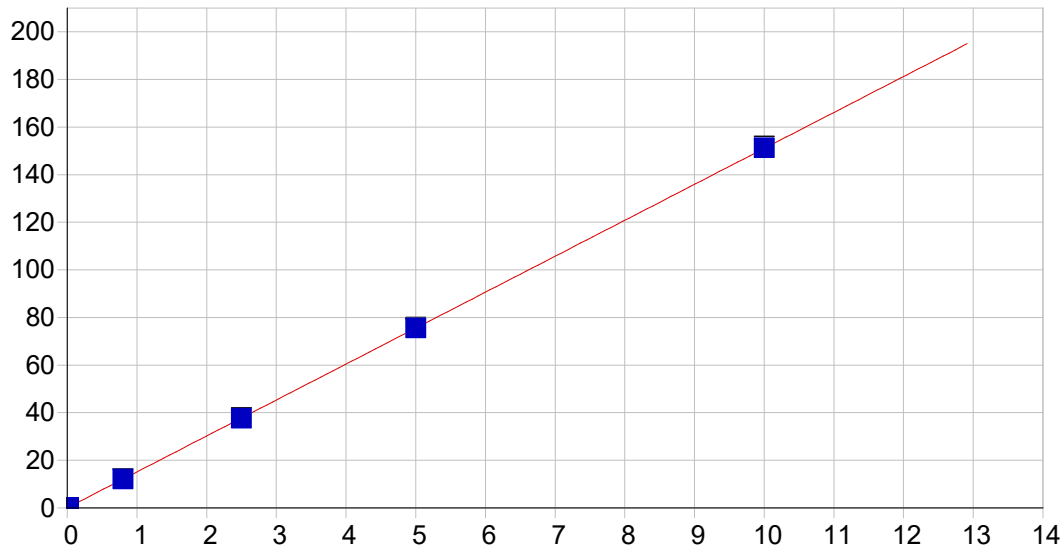










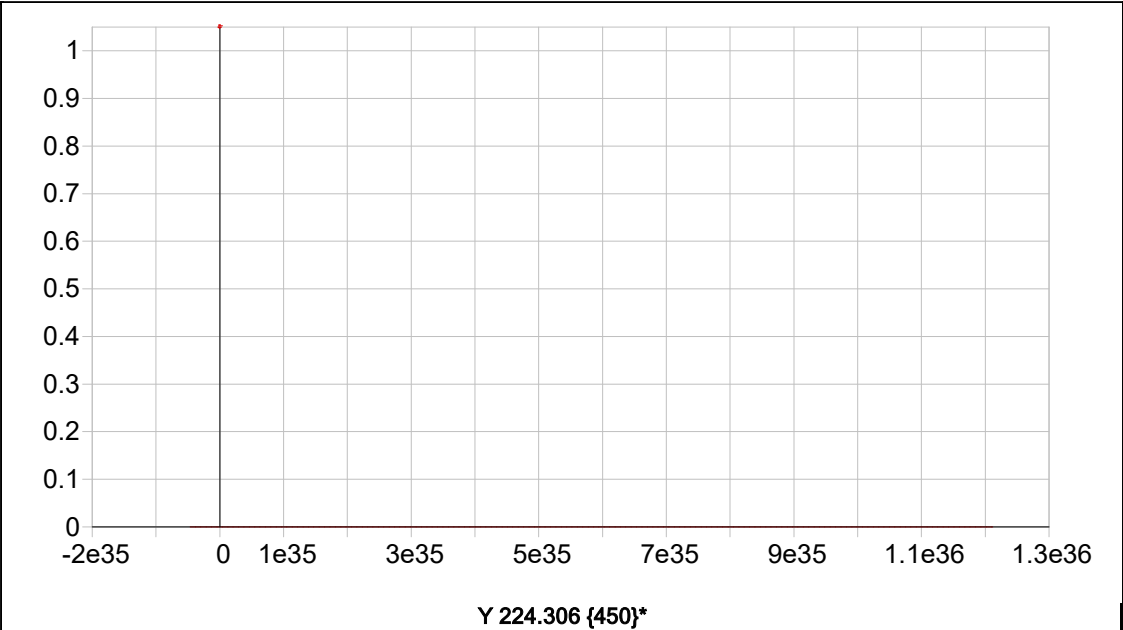


Sr 407.771 { 83}

Date of Fit: 10/18/2024 15:01:34 Type of Fit: Linear Weighting: 1/Conc

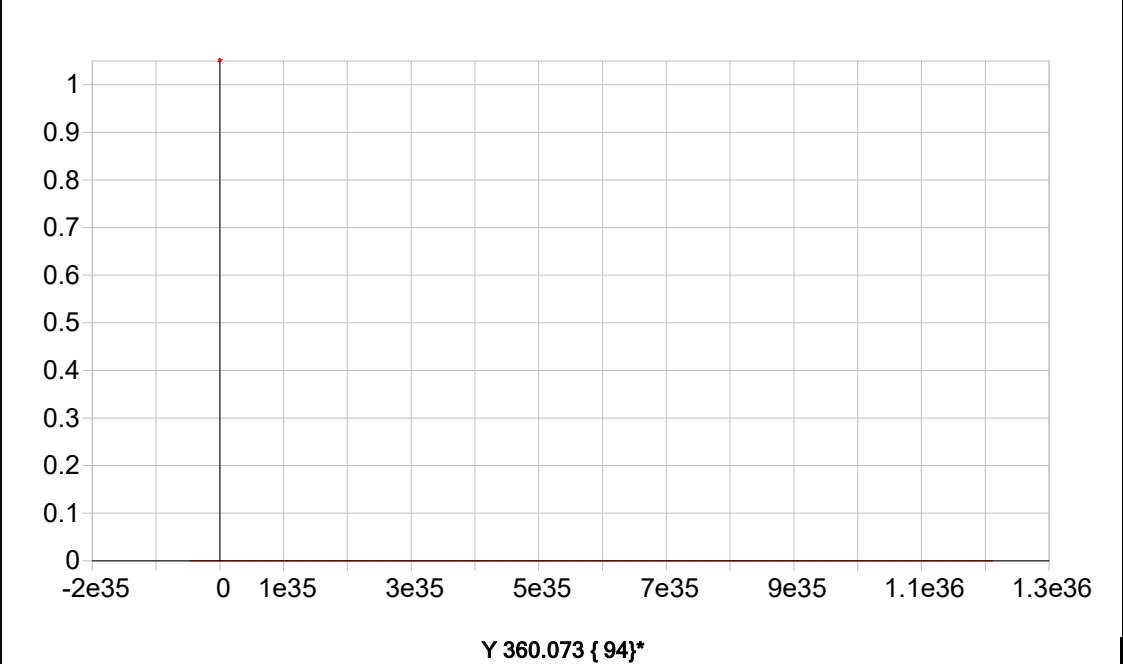
A0 (Offset): 0.024726 Re-Slope: 1.000000
A1 (Gain): 15.100679 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999994 Status: OK.
Std Error of Est: 0.001214
Predicted MDL: 0.000030
Predicted MQL: 0.000100

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.02475	.016	1
S1	.02000	.01835	-.002	-8.23	.30341	.002	1
S3	2.5000	2.4879	-.012	-.484	37.632	.280	1
S4	5.0000	4.9987	-.001	-.026	75.584	.382	1
S5	10.000	10.013	.013	.134	151.39	.616	1
S2	.80000	.80162	.002	.202	12.142	.064	1

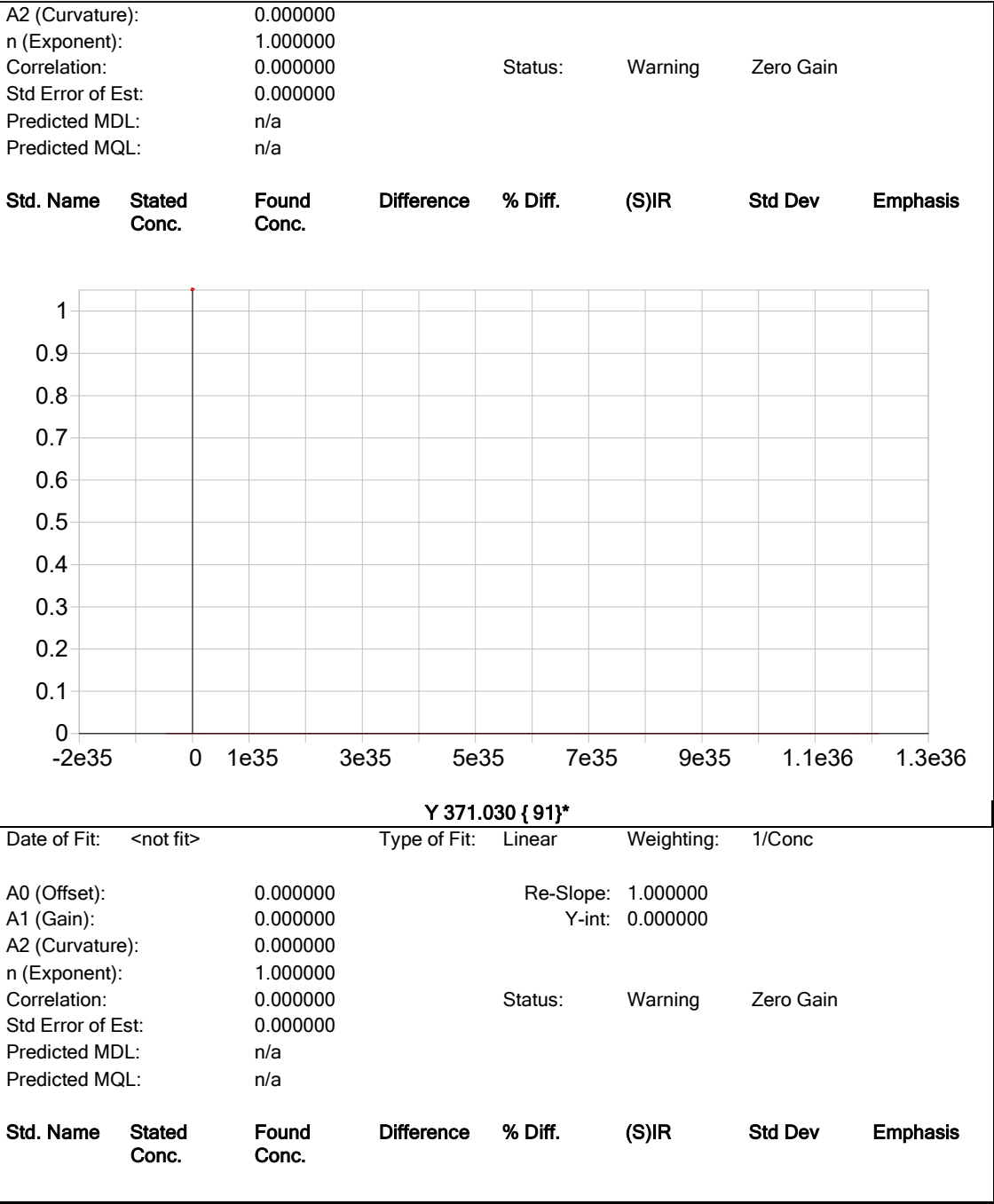


Date of Fit:	10/18/2024 15:01:34	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000	Status:	Warning	Zero Gain	
Std Error of Est:	0.000000				
Predicted MDL:	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: 10/18/2024 12:03:22 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	-.00015	-.00017	.00007	.00067	.00045	-.00061	.00074	-.00068
Stddev	.00018	.00014	.00009	.00014	.00018	.00029	.00870	.00007
%RSD	122.38	80.869	140.22	20.238	39.925	46.923	1182.6	10.097
#1	-.00025	-.00032	-.00002	.00052	.00030	-.00093	.01014	-.00075
#2	-.00025	-.00012	.00005	.00075	.00041	-.00038	-.00091	-.00067
#3	.00006	-.00006	.00016	.00075	.00065	-.00051	-.00703	-.00061
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	.00143	.00156	.00008	.00053	-.00014	-.00000	.00061	-.00011
Stddev	.00084	.00076	.00005	.00022	.00026	.00003	.00037	.00017
%RSD	58.672	48.544	62.788	41.336	193.54	954.30	60.892	152.74
#1	.00067	.00243	.00005	.00044	-.00020	.00002	.00104	-.00008
#2	.00128	.00119	.00005	.00037	-.00036	.00001	.00045	.00004
#3	.00233	.00105	.00014	.00078	.00015	-.00004	.00034	-.00030
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	.00036	-.00096	.00024	.00000	.00516	-.00052	.00948	.00165
Stddev	.00033	.00009	.00013	.00015	.00040	.00005	.00064	.00060
%RSD	90.075	9.7568	56.221	15772.	7.6952	10.037	6.7920	36.259
#1	.00016	-.00107	.00038	.00008	.00510	-.00048	.01021	.00121
#2	.00018	-.00088	.00020	.00009	.00480	-.00058	.00922	.00141
#3	.00074	-.00094	.00012	-.00017	.00558	-.00051	.00901	.00234
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	.00051	.00295	.00036	-.00142	.00030	.00081	.02475	
Stddev	.00009	.00074	.00007	.00005	.00004	.00056	.01595	
%RSD	17.826	24.979	18.376	3.5932	12.649	68.803	64.455	
#1	.00042	.00375	.00043	-.00142	.00025	.00017	.04216	
#2	.00050	.00280	.00031	-.00147	.00031	.00109	.02126	
#3	.00060	.00230	.00033	-.00137	.00032	.00118	.01083	

Sample Name: S0 Acquired: 10/18/2024 12:03:22 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	2955.6	62603.	13677.	2149.6	4950.7
Stddev	11.2	77.	59.	5.4	12.4
%RSD	.37777	.12275	.43435	.24917	.25140
#1	2966.5	62518.	13614.	2143.5	4958.8
#2	2956.2	62624.	13687.	2152.3	4957.0
#3	2944.2	62667.	13732.	2153.1	4936.4

Sample Name: S1 Acquired: 10/18/2024 12:07:44 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	.00109	.00273	.00330	.00236	.00987	.00057	.31823	.02427
Stddev	.00004	.00007	.00020	.00017	.00018	.00073	.00281	.00014
%RSD	3.2301	2.4481	6.0969	7.2998	1.8480	128.46	.88221	.56165
#1	.00108	.00270	.00309	.00250	.00976	.00098	.31998	.02438
#2	.00107	.00281	.00350	.00241	.00977	.00101	.31499	.02412
#3	.00113	.00268	.00331	.00217	.01008	-.00028	.31971	.02430
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	.01402	.11735	.00217	.02586	.01689	.00073	.01528	.03630
Stddev	.00024	.00092	.00002	.00013	.00039	.00003	.00019	.00049
%RSD	1.7216	.78154	1.0155	.51170	2.3376	3.5606	1.2319	1.3480
#1	.01427	.11715	.00215	.02598	.01677	.00072	.01533	.03623
#2	.01399	.11655	.00219	.02588	.01658	.00070	.01507	.03584
#3	.01379	.11835	.00218	.02572	.01733	.00075	.01544	.03681
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	.03149	.00333	.03513	.00537	.12306	.01640	.04882	.16863
Stddev	.00031	.00005	.00035	.00006	.00103	.00017	.00058	.00027
%RSD	.98656	1.5153	1.0095	1.0556	.83359	1.0163	1.1967	.15878
#1	.03184	.00330	.03538	.00544	.12404	.01625	.04903	.16851
#2	.03129	.00338	.03527	.00533	.12316	.01658	.04816	.16893
#3	.03133	.00330	.03472	.00535	.12199	.01637	.04927	.16843
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	.00469	.02359	.00263	-.00088	.00987	.00090	.30341	
Stddev	.00004	.00032	.00005	.00007	.00003	.00069	.00194	
%RSD	.92480	1.3656	1.8831	7.6665	.32034	76.860	.63881	
#1	.00472	.02380	.00265	-.00089	.00984	.00013	.30565	
#2	.00464	.02375	.00266	-.00081	.00986	.00148	.30229	
#3	.00472	.02322	.00257	-.00094	.00990	.00109	.30228	

Sample Name: S1 Acquired: 10/18/2024 12:07:44 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	2992.8	60983.	13828.	2104.5	4977.1
Stddev	11.7	343.	52.	26.6	8.3
%RSD	.39215	.56231	.37598	1.2619	.16756
#1	2990.0	60777.	13777.	2098.0	4970.4
#2	2982.7	60793.	13881.	2081.8	4974.5
#3	3005.6	61379.	13825.	2133.7	4986.4

Sample Name: S2 Acquired: 10/18/2024 12:12:08 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	.05117	.06330	.19275	.07955	.15745	.01962	5.4248	.16717
Stddev	.00023	.00087	.00089	.00034	.00054	.00015	.0162	.00129
%RSD	.44634	1.3754	.46427	.43294	.34251	.74054	.29943	.77125
#1	.05107	.06412	.19361	.07955	.15795	.01968	5.4193	.16594
#2	.05143	.06340	.19281	.07989	.15752	.01946	5.4430	.16852
#3	.05101	.06239	.19182	.07920	.15688	.01973	5.4120	.16706
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	.92221	.24050	.03527	.34888	.16017	.00558	.30557	.06848
Stddev	.00110	.00007	.00013	.00066	.00045	.00003	.00109	.00010
%RSD	.11947	.03102	.35859	.18982	.27788	.54708	.35752	.15161
#1	.92317	.24056	.03514	.34950	.15996	.00562	.30435	.06844
#2	.92245	.24042	.03539	.34895	.16068	.00557	.30591	.06840
#3	.92101	.24054	.03527	.34819	.15987	.00556	.30645	.06860
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	.32172	.07053	.06869	.05572	1.1521	.03257	.36943	.69169
Stddev	.00025	.00023	.00060	.00012	.0063	.00042	.00250	.00226
%RSD	.07793	.32659	.87224	.20697	.54496	1.2755	.67612	.32691
#1	.32185	.07056	.06938	.05565	1.1571	.03299	.36680	.69288
#2	.32189	.07074	.06839	.05585	1.1542	.03257	.37177	.69312
#3	.32143	.07028	.06829	.05565	1.1451	.03216	.36971	.68909
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	.09667	.45965	.00584	.02403	.01938	.00264	12.142	
Stddev	.00033	.00128	.00002	.00020	.00014	.00064	.064	
%RSD	.34394	.27906	.35792	.81776	.73985	24.302	.52995	
#1	.09673	.45907	.00585	.02424	.01952	.00313	12.194	
#2	.09697	.46112	.00585	.02399	.01937	.00191	12.070	
#3	.09632	.45876	.00582	.02386	.01924	.00288	12.161	

Sample Name: S2 Acquired: 10/18/2024 12:12:08 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	3015.3	62944.	13729.	2186.7	4937.3
Stddev	4.1	392.	35.	20.0	4.1
%RSD	.13672	.62302	.25396	.91546	.08234
#1	3011.0	62491.	13748.	2163.9	4932.6
#2	3015.5	63174.	13688.	2194.8	4940.0
#3	3019.2	63166.	13750.	2201.4	4939.3

Sample Name: S3 Acquired: 10/18/2024 12:16:20 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	.15862	.18302	.59642	.24295	.48378	.06430	16.941	.52607
Stddev	.00083	.00380	.00058	.00153	.00161	.00021	.062	.00292
%RSD	.52634	2.0735	.09642	.62957	.33371	.31989	.36667	.55424

#1	.15765	.17874	.59705	.24123	.48192	.06407	16.934	.52904
#2	.15909	.18435	.59591	.24346	.48476	.06434	16.882	.52321
#3	.15911	.18597	.59631	.24415	.48467	.06448	17.006	.52594

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	2.8645	.73391	.10692	1.0797	.48976	.01715	.94512	.21329
Stddev	.0025	.00268	.00046	.0011	.00185	.00016	.00190	.00112
%RSD	.08841	.36541	.43044	.10176	.37800	.95853	.20108	.52302

#1	2.8637	.73318	.10743	1.0785	.48763	.01697	.94309	.21347
#2	2.8625	.73688	.10654	1.0801	.49065	.01730	.94541	.21430
#3	2.8674	.73167	.10680	1.0806	.49100	.01717	.94686	.21209

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	.99336	.21770	.21798	.17355	3.4774	.10321	1.1515	2.0895
Stddev	.00072	.00027	.00099	.00061	.0048	.00043	.0035	.0112
%RSD	.07273	.12537	.45253	.35081	.13912	.42072	.30424	.53798

#1	.99305	.21801	.21685	.17392	3.4783	.10273	1.1541	2.0769
#2	.99285	.21757	.21843	.17389	3.4722	.10357	1.1475	2.0933
#3	.99419	.21751	.21867	.17285	3.4817	.10335	1.1528	2.0984

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	.29953	1.4186	.01790	.07986	.06084	.00374	37.632	
Stddev	.00101	.0014	.00019	.00007	.00044	.00021	.280	
%RSD	.33720	.10251	1.0773	.08347	.72983	5.6195	.74396	

#1	.29837	1.4203	.01783	.07987	.06034	.00360	37.400	
#2	.30015	1.4175	.01812	.07980	.06115	.00399	37.553	
#3	.30008	1.4181	.01775	.07993	.06104	.00365	37.943	

Sample Name: S3 Acquired: 10/18/2024 12:16:20 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	2975.0	61523.	13409.	2170.4	4756.3
Stddev	18.3	215.	22.	12.1	17.8
%RSD	.61360	.34952	.16304	.55727	.37366
#1	2996.0	61559.	13391.	2178.5	4776.6
#2	2966.0	61292.	13402.	2156.5	4748.9
#3	2963.0	61718.	13433.	2176.1	4743.5

Sample Name: S4 Acquired: 10/18/2024 12:20:40 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	.32632	.38239	1.2045	.50231	.98816	.12761	34.284	1.0475
Stddev	.00029	.00638	.0020	.00100	.00189	.00221	.422	.0029
%RSD	.08945	1.6676	.16836	.19825	.19091	1.7302	1.2306	.27703
#1	.32665	.38392	1.2067	.50301	.99033	.12942	34.305	1.0498
#2	.32611	.38785	1.2028	.50275	.98724	.12826	34.695	1.0484
#3	.32618	.37538	1.2041	.50117	.98692	.12515	33.852	1.0442
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	5.8818	1.4747	.21457	2.2016	.98378	.03465	1.8865	.43390
Stddev	.0078	.0076	.00071	.0032	.00181	.00017	.0069	.00335
%RSD	.13275	.51665	.32907	.14389	.18380	.49285	.36768	.77273
#1	5.8907	1.4719	.21383	2.2043	.98573	.03460	1.8870	.43258
#2	5.8781	1.4834	.21524	2.1981	.98216	.03484	1.8932	.43771
#3	5.8765	1.4689	.21464	2.2025	.98345	.03451	1.8793	.43141
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	2.0212	.43566	.44774	.35367	6.9601	.21042	2.2966	4.2253
Stddev	.0029	.00035	.00091	.00115	.0068	.00081	.0068	.0058
%RSD	.14298	.08001	.20376	.32607	.09796	.38391	.29671	.13752
#1	2.0246	.43530	.44690	.35411	6.9541	.20950	2.3042	4.2315
#2	2.0197	.43599	.44760	.35453	6.9587	.21071	2.2945	4.2244
#3	2.0195	.43570	.44871	.35236	6.9676	.21104	2.2911	4.2200
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	.61117	2.8667	.03878	.16637	.12837	.38639	75.584	
Stddev	.00104	.0041	.00024	.00076	.00071	.00245	.382	
%RSD	.17086	.14272	.61851	.45924	.55093	.63479	.50489	
#1	.61197	2.8714	.03851	.16723	.12903	.38824	75.143	
#2	.61156	2.8653	.03888	.16575	.12847	.38361	75.818	
#3	.60999	2.8635	.03896	.16613	.12762	.38731	75.790	

Sample Name: S4 Acquired: 10/18/2024 12:20:40 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	2825.0	59786.	13097.	2047.6	4441.7
Stddev	2.7	107.	28.	14.4	5.8
%RSD	.09448	.17856	.21582	.70233	.13137
#1	2823.4	59909.	13068.	2063.8	4436.2
#2	2828.1	59717.	13099.	2042.8	4447.8
#3	2823.5	59733.	13124.	2036.3	4441.0

Sample Name: S5 Acquired: 10/18/2024 12:24:58 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	.59687	.75134	2.2594	.94518	1.9307	.26453	70.941	2.1616
Stddev	.00264	.01505	.0049	.00520	.0096	.00195	.409	.0051
%RSD	.44297	2.0037	.21823	.54991	.49654	.73884	.57689	.23480
#1	.59944	.75379	2.2651	.95056	1.9417	.26282	71.398	2.1641
#2	.59701	.76501	2.2570	.94477	1.9264	.26666	70.814	2.1650
#3	.59416	.73520	2.2561	.94019	1.9241	.26411	70.610	2.1558
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	11.017	3.0815	.41234	4.3745	1.9027	.06707	3.9232	.92111
Stddev	.025	.0111	.00037	.0097	.0096	.00030	.0259	.00244
%RSD	.22932	.36061	.09088	.22269	.50421	.44329	.65903	.26480
#1	11.044	3.0907	.41268	4.3847	1.9136	.06741	3.9470	.92310
#2	11.012	3.0847	.41239	4.3737	1.8957	.06693	3.9271	.92184
#3	10.994	3.0691	.41194	4.3652	1.8987	.06687	3.8957	.91839
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	3.9913	.84845	.88373	.74531	13.436	.41403	4.6664	8.1530
Stddev	.0104	.00169	.00475	.00317	.031	.00094	.0158	.0336
%RSD	.26021	.19962	.53716	.42522	.22717	.22745	.33929	.41156
#1	4.0021	.85038	.88921	.74788	13.464	.41510	4.6778	8.1905
#2	3.9903	.84719	.88089	.74628	13.404	.41335	4.6730	8.1426
#3	3.9814	.84779	.88109	.74177	13.440	.41362	4.6483	8.1258
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	1.1945	5.9355	.06596	.33936	.26592	.00773	151.39	
Stddev	.0042	.0247	.00039	.00107	.00150	.00029	.62	
%RSD	.35344	.41598	.59165	.31666	.56300	3.7602	.40683	
#1	1.1977	5.9600	.06551	.34012	.26674	.00806	150.68	
#2	1.1960	5.9359	.06611	.33984	.26682	.00757	151.83	
#3	1.1897	5.9107	.06625	.33813	.26419	.00755	151.64	

Sample Name: S5 Acquired: 10/18/2024 12:24:58 Type: Cal
Method: NON EPA-6010-200.7(v2446) 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	2757.1	59399.	12169.	1964.3	4243.4
Stddev	10.9	130.	47.	10.6	7.1
%RSD	.39703	.21866	.38303	.53774	.16705
#1	2745.1	59260.	12118.	1956.6	4235.3
#2	2766.5	59517.	12178.	1976.4	4246.8
#3	2759.8	59419.	12209.	1960.0	4248.2

Sample Name: ICV01 Acquired: 10/18/2024 13:08:54 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.029492	1.077561	1.032509	1.030675	1.023183	2.328532
Stddev	.002254	.021640	.003231	.005379	.001300	.022391
%RSD	.2189591	2.008265	.3128848	.5218866	.1270055	.9616131

#1	1.032093	1.085769	1.029745	1.034274	1.022032	2.306638
#2	1.028279	1.093897	1.031721	1.033261	1.022924	2.327567
#3	1.028105	1.053017	1.036061	1.024492	1.024593	2.351390

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4983502	.5039007	.5167705	9.994040	.5513485	.5333401
Stddev	.0023554	.0044204	.0009473	.034103	.0020631	.0014438
%RSD	.4726431	.8772424	.1833184	.3412312	.3741982	.2707016

#1	.5009111	.5003090	.5164451	9.955185	.5502942	.5321823
#2	.4978632	.5088374	.5160287	10.01901	.5537257	.5328803
#3	.4962764	.5025557	.5178376	10.00793	.5500256	.5349578

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5441875	10.45335	.5119832	5.786586	.5356615	.2688180
Stddev	.0017195	.05391	.0013782	.009513	.0013885	.0001999
%RSD	.3159755	.5157183	.2691951	.1643887	.2592116	.0743756

#1	.5436346	10.51156	.5124482	5.778066	.5342884	.2688570
#2	.5428125	10.40514	.5130689	5.796850	.5356312	.2686014
#3	.5461154	10.44335	.5104327	5.784842	.5370649	.2689956

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.12163	.4861200	1.070360	10.32581	F 2.224400	2.455664
Stddev	.11267	.0019689	.002068	.08024	.015176	.003068
%RSD	1.113161	.4050205	.1931710	.7770910	.6822489	.1249215

#1	10.25120	.4838926	1.068825	10.41490	2.212864	2.453396
#2	10.04674	.4868394	1.069544	10.25922	2.241592	2.454441
#3	10.06694	.4876281	1.072712	10.30330	2.218743	2.459154

Sample Name: ICV01 Acquired: 10/18/2024 13:08:54 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	2.374660	2.276890	F 2.027378	F -.004230	F -.012277	F .1161616
Stddev	.002794	.006106	.007688	.000624	.001817	.0136620
%RSD	.1176715	.2681723	.3792044	14.73984	14.80292	11.76122
#1	2.377191	2.283694	2.035852	-.003510	-.014353	.1227004
#2	2.375127	2.275088	2.025432	-.004576	-.010971	.1253253
#3	2.371661	2.271887	2.020851	-.004604	-.011508	.1004590

Elem	Sr4077
Units	ppm
Avg	F -.010813
Stddev	.000067
%RSD	.6161875
#1	-.010865
#2	-.010738
#3	-.010835

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2844.053	59264.16	13225.47	2056.474	4604.971
Stddev	9.305	186.00	38.42	17.504	12.480
%RSD	.3271757	.3138496	.2905161	.8511560	.2710181
#1	2846.727	59068.05	13255.44	2046.088	4610.211
#2	2851.729	59438.05	13182.15	2076.683	4613.977
#3	2833.704	59286.38	13238.81	2046.651	4590.725

Sample Name: LLICV01 Acquired: 10/18/2024 13:13:02 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0193180	.0391830	.0141778	.0173675	.0476789	.0958417
Stddev	.0005208	.0003706	.0004793	.0022930	.0003452	.0039386
%RSD	2.695791	.9458638	3.380397	13.20289	.7241015	4.109476
#1	.0189104	.0388523	.0137575	.0154669	.0473871	.0913080
#2	.0199047	.0395836	.0140761	.0167213	.0475896	.0984193
#3	.0191390	.0391131	.0146997	.0199143	.0480600	.0977978
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0921437	.0058712	.0056105	1.897497	.0098396	.0289487
Stddev	.0006646	.0000510	.0002050	.012706	.0002870	.0002050
%RSD	.7212591	.8690978	3.653360	.6696316	2.916327	.7082568
#1	.0927560	.0059230	.0054403	1.911024	.0098627	.0287693
#2	.0914369	.0058210	.0055532	1.885813	.0095418	.0289046
#3	.0922383	.0058696	.0058380	1.895654	.0101143	.0291722
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0216809	.1053987	.0190259	2.009163	.0386962	.0118371
Stddev	.0004196	.0026114	.0001703	.005251	.0002700	.0001886
%RSD	1.935179	2.477671	.8951923	.2613701	.6977735	1.593632
#1	.0214253	.1070090	.0192082	2.011479	.0385175	.0118915
#2	.0214522	.1023856	.0188708	2.003152	.0385643	.0116273
#3	.0221651	.1068013	.0189987	2.012858	.0390068	.0119926
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.883790	.0378110	.0411324	1.923236	.0807156	.1974117
Stddev	.020051	.0004460	.0001699	.014263	.0005489	.0017159
%RSD	1.064415	1.179629	.4130176	.7416304	.6800753	.8692212
#1	1.906802	.0382775	.0409378	1.936301	.0813435	.1959611
#2	1.870071	.0377669	.0412515	1.925389	.0803265	.1969681
#3	1.874497	.0373887	.0412078	1.908019	.0804769	.1993059

Sample Name: LLICV01 Acquired: 10/18/2024 13:13:02 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0352439	.0352433	F .3188624	F .0144374	F .3534709	F .0328514
Stddev	.0010786	.0009001	.0033413	.0002434	.0022021	.0413766
%RSD	3.060409	2.553868	1.047886	1.685541	.6229853	125.9510
#1	.0346491	.0361260	.3225333	.0147180	.3515597	.0013676
#2	.0345937	.0343268	.3180555	.0143098	.3529741	.0174708
#3	.0364890	.0352770	.3159984	.0142844	.3558789	.0797156

Elem	Sr4077
Units	ppm
Avg	.0181654
Stddev	.0001435
%RSD	.7897892
#1	.0183017
#2	.0180157
#3	.0181787

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3031.393	63656.92	13846.97	2215.564	4990.539
Stddev	8.504	60.79	51.77	8.078	15.222
%RSD	.2805411	.0954986	.3738755	.3646071	.3050257
#1	3040.878	63586.72	13790.67	2210.079	5007.359
#2	3028.853	63692.28	13892.52	2224.840	4986.550
#3	3024.449	63691.76	13857.71	2211.773	4977.709

Sample Name: ICB01 Acquired: 10/18/2024 13:23:09 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001171	-.001361	-.001090	-.002672	-.001254	-.010358
Stddev	.002071	.000308	.000373	.000194	.000340	.004363
%RSD	176.8778	22.59725	34.23503	7.260294	27.07394	42.11828
#1	-.003337	-.001216	-.001516	-.002453	-.001178	-.005321
#2	-.000964	-.001714	-.000936	-.002741	-.000959	-.012818
#3	.000789	-.001153	-.000818	-.002822	-.001626	-.012935
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003482	.0000140	-.000622	-.006168	-.000244	-.000469
Stddev	.000725	.0000068	.000032	.003866	.000081	.000109
%RSD	20.81112	48.27538	5.103326	62.68004	33.16265	23.32796
#1	-.004254	.0000161	-.000629	-.007125	-.000167	-.000579
#2	-.003375	.0000196	-.000588	-.001913	-.000237	-.000361
#3	-.002817	.0000065	-.000651	-.009465	-.000328	-.000468
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000278	.0006044	-.000682	-.003424	-.000657	.0001096
Stddev	.000238	.0017473	.000242	.004750	.000185	.0002085
%RSD	85.62005	289.1057	35.56169	138.7347	28.09883	190.2950
#1	-.000172	-.001410	-.000950	-.006392	-.000860	-.000056
#2	-.000552	.001714	-.000480	.002054	-.000499	.000040
#3	-.000112	.001509	-.000614	-.005933	-.000612	.000344
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004976	.0001091	-.000185	-.049418	-.013835	-.001783
Stddev	.000670	.0012411	.000122	.025597	.000115	.000086
%RSD	13.47195	1137.522	66.27578	51.79743	.8276270	4.823217
#1	-.004999	-.001273	-.000252	-.059757	-.013704	-.001697
#2	-.005634	.000473	-.000043	-.020269	-.013913	-.001782
#3	-.004294	.001128	-.000258	-.068230	-.013888	-.001869

Sample Name: ICB01 Acquired: 10/18/2024 13:23:09 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001321	-.001866	-.021469	-.003928	-.005804	F .0378117
Stddev	.000384	.000348	.002395	.000421	.002348	.0257707
%RSD	29.05841	18.65709	11.15712	10.72237	40.45074	68.15551
#1	-.001704	-.001770	-.022338	-.004393	-.008492	.0093088
#2	-.001322	-.002252	-.018761	-.003817	-.004765	.0446590
#3	-.000936	-.001576	-.023309	-.003573	-.004155	.0594672

Elem	Sr4077
Units	ppm
Avg	-.001664
Stddev	.000023
%RSD	1.364110
#1	-.001689
#2	-.001644
#3	-.001661

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2980.949	63100.81	13638.53	2141.832	5007.142
Stddev	20.463	127.53	49.93	6.048	28.831
%RSD	.6864470	.2021092	.3661212	.2823747	.5757881
#1	2966.677	63039.18	13686.16	2138.892	4982.391
#2	2971.778	63015.81	13586.57	2137.817	5000.236
#3	3004.393	63247.46	13642.87	2148.788	5038.798

Sample Name: CRI01 Acquired: 10/18/2024 13:27:29 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0200168	.0386407	.0128120	.0178733	.0482382	.0929931
Stddev	.0004942	.0014953	.0006047	.0010702	.0009148	.0056530
%RSD	2.468840	3.869697	4.719842	5.987598	1.896441	6.078948
#1	.0203713	.0375827	.0121163	.0190859	.0481493	.0892660
#2	.0202269	.0403514	.0132117	.0174734	.0473711	.0902156
#3	.0194523	.0379881	.0131080	.0170607	.0491942	.0994975
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0920676	.0059839	.0054401	1.912361	.0098799	.0288180
Stddev	.0002063	.0000285	.0000399	.015029	.0001069	.0000771
%RSD	.2240804	.4766641	.7339118	.7858831	1.081463	.2674822
#1	.0920309	.0059804	.0054844	1.913341	.0097968	.0287505
#2	.0918821	.0059573	.0054070	1.926876	.0098423	.0288015
#3	.0922898	.0060141	.0054287	1.896866	.0100004	.0289020
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0216729	.1053076	.0192788	2.032590	.0384721	.0124124
Stddev	.0000804	.0030290	.0002148	.005305	.0001087	.0001544
%RSD	.3709928	2.876299	1.114233	.2609761	.2824020	1.244332
#1	.0215891	.1048493	.0194888	2.026465	.0384998	.0122843
#2	.0216803	.1085396	.0192879	2.035710	.0385642	.0125839
#3	.0217494	.1025339	.0190595	2.035595	.0383523	.0123691
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.943738	.0375251	.0424512	1.978312	.0786036	.1983141
Stddev	.003994	.0003918	.0002740	.019757	.0000772	.0001171
%RSD	.2055024	1.044110	.6454342	.9986662	.0982597	.0590364
#1	1.939200	.0370755	.0427593	1.961353	.0786423	.1983566
#2	1.946722	.0377930	.0423592	1.973577	.0785147	.1984039
#3	1.945291	.0377069	.0422350	2.000006	.0786539	.1981817

Sample Name: CRI01 Acquired: 10/18/2024 13:27:29 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0347668	.0354124	.3194625	.0152161	F .3536491	F .0035260
Stddev	.0010941	.0002937	.0061446	.0013336	.0025239	.0086543
%RSD	3.146895	.8294300	1.923429	8.764503	.7136845	245.4422
#1	.0343840	.0357512	.3216800	.0141451	.3511955	-.002439
#2	.0339155	.0352282	.3241906	.0147934	.3562379	-.000435
#3	.0360008	.0352580	.3125170	.0167099	.3535140	.013452

Elem	Sr4077
Units	ppm
Avg	.0184850
Stddev	.0001248
%RSD	.6753689
#1	.0186249
#2	.0184448
#3	.0183851

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3048.023	62121.47	13778.21	2197.238	5044.870
Stddev	13.206	309.23	56.10	23.020	14.715
%RSD	.4332500	.4977828	.4071296	1.047669	.2916881
#1	3032.844	62138.12	13729.69	2189.961	5027.948
#2	3056.868	61804.26	13765.30	2178.735	5054.666
#3	3054.358	62422.05	13839.63	2223.016	5051.996

Sample Name: ICSA01 Acquired: 10/18/2024 13:32:32 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	-.004503	.0055128	.0063742	-.014022	-.001315	236.5467
Stddev	.003020	.0021729	.0023600	.000673	.001645	1.7382
%RSD	67.07530	39.41538	37.02491	4.797230	125.1563	.7348361
#1	-.003710	.0068404	.0054500	-.013676	-.000319	237.8872
#2	-.001958	.0066929	.0046162	-.014797	-.003214	237.1701
#3	-.007841	.0030052	.0090565	-.013593	-.000411	234.5827
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024879	.0011082	.0068914	225.7159	.0556386	.0012495
Stddev	.0001755	.0000415	.0002238	.8002	.0003596	.0003132
%RSD	7.055611	3.748207	3.247369	.3545154	.6462908	25.06897
#1	.0026388	.0011548	.0067006	224.9419	.0558997	.0010037
#2	.0022953	.0010752	.0071377	225.6660	.0557877	.0016022
#3	.0025296	.0010945	.0068359	226.5399	.0552285	.0011426
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008460	98.66266	.0057818	246.0126	.0022680	.0039158
Stddev	.000281	.68031	.0002855	1.6056	.0001424	.0003460
%RSD	3.322202	.6895306	4.937742	.6526327	6.280440	8.835499
#1	-.008621	98.07099	.0061022	244.5798	.0021094	.0036206
#2	-.008135	98.51098	.0056888	245.7101	.0023096	.0038303
#3	-.008624	99.40601	.0055544	247.7479	.0023850	.0042965
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0209139	.0057753	.0038040	-.034932	.0006438	-.001141
Stddev	.0109339	.0006513	.0000455	.008361	.0020014	.000210
%RSD	52.28075	11.27706	1.195816	23.93614	310.8668	18.44221
#1	.0310967	.0063783	.0038215	-.043775	-.000843	-.000939
#2	.0222864	.0058631	.0037524	-.027155	-.000145	-.001124
#3	.0093585	.0050846	.0038381	-.033866	.002919	-.001359

Sample Name: ICSA01 Acquired: 10/18/2024 13:32:32 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	-.003255	-.003760	-.008919	-.005325	-.017859	F 1.669143
Stddev	.000584	.000245	.004069	.004184	.002988	.031427
%RSD	17.94033	6.516632	45.61819	78.56774	16.73398	1.882841
#1	-.003815	-.003499	-.009322	-.006288	-.021212	1.697669
#2	-.003299	-.003985	-.004664	-.008943	-.015476	1.674307
#3	-.002650	-.003796	-.012771	-.000744	-.016889	1.635454

Elem	Sr4077
Units	ppm
Avg	-.004760
Stddev	.000989
%RSD	20.77117
#1	-.004324
#2	-.004065
#3	-.005892

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2651.457	55375.70	13116.79	1945.260	3978.472
Stddev	8.394	183.35	55.95	12.517	8.556
%RSD	.3165767	.3310966	.4265765	.6434795	.2150663
#1	2660.455	55231.89	13064.22	1943.059	3988.313
#2	2643.839	55582.16	13110.53	1958.732	3974.310
#3	2650.077	55313.06	13175.61	1933.990	3972.793

Sample Name: ICSAB01 Acquired: 10/18/2024 13:56:47 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.1074311	.0970003	.0551067	.0372213	.6215551	240.2709
Stddev	.0019262	.0008967	.0014972	.0050944	.0011235	.9261
%RSD	1.792932	.9244186	2.716948	13.68690	.1807571	.3854567
#1	.1069919	.0976154	.0535236	.0342171	.6226107	241.1300
#2	.1057626	.0959715	.0565000	.0431034	.6203741	240.3928
#3	.1095390	.0974141	.0552964	.0343434	.6216804	239.2898
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4818922	.4904074	1.009410	229.4847	.5734434	.5159227
Stddev	.0025655	.0036104	.002194	.7291	.0043614	.0012580
%RSD	.5323851	.7361950	.2173297	.3177147	.7605690	.2438349
#1	.4840748	.4894941	1.008548	230.0018	.5684204	.5152391
#2	.4825355	.4943867	1.007777	229.8017	.5762705	.5151545
#3	.4790662	.4873414	1.011903	228.6508	.5756392	.5173745
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4838699	100.8819	.4809567	249.9904	1.016181	.2292602
Stddev	.0008655	.2923	.0022155	.7088	.002823	.0006349
%RSD	.1788705	.2897144	.4606380	.2835225	.2777652	.2769317
#1	.4829807	100.7327	.4828965	250.1331	1.014140	.2285374
#2	.4839193	100.6943	.4814313	250.6170	1.015001	.2295159
#3	.4847096	101.2186	.4785424	249.2211	1.019402	.2297274
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0295072	.4716365	1.083212	-.021913	F .7924571	.8815402
Stddev	.0083806	.0002913	.002390	.028263	.0056037	.0015030
%RSD	28.40191	.0617673	.2206176	128.9774	.7071346	.1704954
#1	.0212594	.4714711	1.081210	.003911	.7927698	.8812240
#2	.0380146	.4719729	1.085857	-.017544	.7978979	.8802205
#3	.0292477	.4714656	1.082568	-.052106	.7867035	.8831761

Sample Name: ICSAB01 Acquired: 10/18/2024 13:56:47 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.8706310	F .8113631	F .7676824	F .0016433	F -.016653	F 1.672051
Stddev	.0039104	.0036724	.0086350	.0043520	.004230	.045586
%RSD	.4491479	.4526223	1.124810	264.8357	25.39987	2.726346
#1	.8694419	.8144972	.7633054	-.002616	-.020769	1.631034
#2	.8674531	.8122699	.7621125	.001464	-.016872	1.663989
#3	.8749979	.8073223	.7776294	.006082	-.012318	1.721130

Elem	Sr4077
Units	ppm
Avg	F -.004577
Stddev	.000562
%RSD	12.28045
#1	-.004070
#2	-.004480
#3	-.005181

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2620.304	54941.80	13076.76	1903.762	3952.984
Stddev	5.915	161.20	92.97	5.028	7.469
%RSD	.2257562	.2934080	.7109672	.2641033	.1889388
#1	2626.541	54841.40	12993.24	1904.033	3961.596
#2	2614.773	55127.74	13060.12	1908.649	3948.280
#3	2619.597	54856.26	13176.93	1898.604	3949.075

Sample Name: CCV01 Acquired: 10/18/2024 14:00:58 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.306330	5.121901	5.223620	5.248680	5.106629	9.901561
Stddev	.001212	.069272	.009877	.004340	.011415	.019395
%RSD	.0228469	1.352466	.1890867	.0826823	.2235411	.1958757

#1	5.307177	5.081380	5.224911	5.248408	5.119176	9.923296
#2	5.306871	5.201887	5.213161	5.253150	5.103851	9.895366
#3	5.304941	5.082436	5.232788	5.244483	5.096858	9.886020

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.921273	.2512573	2.618996	24.98178	1.032903	2.526034
Stddev	.177614	.0012178	.005528	.09265	.002148	.006316
%RSD	1.790232	.4846995	.2110658	.3708676	.2079644	.2500297

#1	10.11946	.2525377	2.619069	25.04610	1.030422	2.528401
#2	9.77648	.2501136	2.613432	24.87559	1.034156	2.518876
#3	9.86788	.2511205	2.624487	25.02367	1.034130	2.530824

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.277219	5.119369	2.480433	24.98598	2.533774	1.282163
Stddev	.000428	.012266	.013716	.09085	.004460	.001152
%RSD	.0335431	.2396009	.5529832	.3636042	.1760376	.0898285

#1	1.276990	5.106753	2.496008	25.01522	2.536351	1.281944
#2	1.277713	5.131253	2.470156	24.88411	2.528623	1.283409
#3	1.276953	5.120100	2.475134	25.05861	2.536347	1.281137

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.19973	2.492559	2.561929	25.39081	5.061768	5.141525
Stddev	.12289	.007908	.006735	.09166	.028364	.005633
%RSD	.4876711	.3172713	.2628980	.3609773	.5603657	.1095570

#1	25.26508	2.498442	2.555478	25.30675	5.093190	5.136669
#2	25.27612	2.483569	2.568916	25.48853	5.038056	5.147700
#3	25.05796	2.495665	2.561392	25.37717	5.054059	5.140204

Sample Name: CCV01 Acquired: 10/18/2024 14:00:58 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.099096	5.005509	5.357066	5.125134	4.921575	F .2708077
Stddev	.001950	.020597	.062399	.016770	.014760	.0035359
%RSD	.0382461	.4114849	1.164806	.3272086	.2999070	1.305680
#1	5.100796	5.029176	5.285592	5.142524	4.926335	.2726693
#2	5.096967	4.995705	5.384912	5.109062	4.933368	.2667299
#3	5.099524	4.991645	5.400694	5.123815	4.905022	.2730238

Elem	Sr4077
Units	ppm
Avg	5.079035
Stddev	.048125
%RSD	.9475252
#1	5.118583
#2	5.093069
#3	5.025453

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2797.522	58673.51	12723.90	2009.241	4404.959
Stddev	6.075	196.02	76.97	10.399	7.662
%RSD	.2171456	.3340852	.6049402	.5175594	.1739491
#1	2795.071	58726.95	12639.03	2011.264	4398.291
#2	2793.055	58456.31	12743.50	1997.979	4403.257
#3	2804.439	58837.27	12789.19	2018.480	4413.329

Sample Name: CCB01 Acquired: 10/18/2024 14:05:10 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004214	.0024699	.0010504	.0006676	.0013939	.0004891
Stddev	.0010806	.0007752	.0002571	.0013371	.0013568	.0046565
%RSD	256.4371	31.38645	24.47281	200.2782	97.33830	952.0456
#1	.0013326	.0015749	.0007537	-.000258	-.000132	.0042244
#2	.0007039	.0029297	.0011912	.000060	.001848	.0019710
#3	-.000772	.0029052	.0012063	.002201	.002465	-.004728
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019030	.0001238	.0004779	.0082367	.0002861	.0005620
Stddev	.0000985	.0000638	.0000390	.0038091	.0004537	.0000491
%RSD	5.177232	51.49431	8.165026	46.24527	158.6007	8.731273
#1	.0018479	.0000513	.0004337	.0038519	.0000273	.0005811
#2	.0018443	.0001712	.0005077	.0107284	.0008100	.0005062
#3	.0020167	.0001488	.0004922	.0101298	.0000210	.0005987
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003300	.0040532	.0003901	.0203710	.0005108	.0003784
Stddev	.0002173	.0030647	.0002699	.0037994	.0001211	.0001508
%RSD	65.84654	75.61205	69.19039	18.65119	23.70781	39.84844
#1	.0000832	.0008885	.0006966	.0172491	.0004333	.0005516
#2	.0004925	.0042641	.0002857	.0246014	.0006504	.0003073
#3	.0004142	.0070071	.0001879	.0192625	.0004488	.0002763
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0124012	.0022405	.0009555	.0153174	-.005747	.0009463
Stddev	.0005998	.0003697	.0000801	.0128151	.000599	.0000869
%RSD	4.836711	16.50131	8.386964	83.66380	10.42001	9.183545
#1	.0127076	.0018406	.0008634	.0032761	-.005169	.0008463
#2	.0127858	.0023111	.0009938	.0138893	-.005707	.0010036
#3	.0117100	.0025698	.0010093	.0287868	-.006365	.0009890

Sample Name: CCB01 Acquired: 10/18/2024 14:05:10 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013660	.0007682	-.017014	-.002584	-.002502	F .0243340
Stddev	.0006142	.0004443	.004667	.001106	.001924	.0355757
%RSD	44.96443	57.83186	27.43010	42.77572	76.89682	146.1974
#1	.0011547	.0012142	-.020332	-.003653	-.000476	-.009705
#2	.0008853	.0007646	-.011678	-.001445	-.004303	.061270
#3	.0020579	.0003257	-.019034	-.002655	-.002726	.021437

Elem	Sr4077
Units	ppm
Avg	.0009171
Stddev	.0002696
%RSD	29.40203
#1	.0012072
#2	.0008699
#3	.0006741

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3052.610	61427.30	13815.86	2158.013	5093.035
Stddev	26.221	144.09	67.50	25.841	31.315
%RSD	.8589594	.2345770	.4885658	1.197452	.6148498
#1	3022.336	61592.29	13847.04	2186.839	5057.157
#2	3068.071	61363.43	13738.41	2150.275	5107.075
#3	3067.424	61326.18	13862.14	2136.925	5114.872

Sample Name: P3846-05DLX2 Acquired: 10/18/2024 14:19:41 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	-.001270	-.000372	-.001100	-.001394	-.001621	-.024948	-.001225
Stddev	.000734	.000212	.000769	.000823	.000044	.005701	.000259
%RSD	57.81682	56.93794	69.86393	59.07779	2.730664	22.85202	21.13930
#1	-.000459	-.000599	-.000318	-.000533	-.001623	-.029210	-.001071
#2	-.001460	-.000337	-.001855	-.002174	-.001665	-.027163	-.001080
#3	-.001890	-.000180	-.001128	-.001474	-.001576	-.018472	-.001524
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000529	-.000596	31.36011	-.000382	-.000663	-.000283	.0006972
Stddev	.0000221	.000020	.15733	.000082	.000076	.000053	.0015450
%RSD	41.71801	3.340097	.5016943	21.54297	11.43660	18.84481	221.6089
#1	.0000419	-.000588	31.45383	-.000475	-.000577	-.000279	.0024742
#2	.0000783	-.000581	31.44804	-.000318	-.000721	-.000232	-.000055
#3	.0000385	-.000618	31.17847	-.000354	-.000690	-.000338	-.000328
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000581	13.17033	-.000521	-.000225	41.51089	-.000557	.0000383
Stddev	.000079	.07148	.000278	.000051	.08888	.001012	.0001728
%RSD	13.53323	.5427111	53.34126	22.56745	.2141012	181.7947	450.4656
#1	-.000602	13.21071	-.000472	-.000170	41.41598	-.001561	.0002314
#2	-.000494	13.21248	-.000271	-.000271	41.59215	.000463	-.000102
#3	-.000648	13.08780	-.000821	-.000234	41.52456	-.000573	-.000015
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.51625	-.015764	-.001365	-.003523	-.002621	-.026141	-.003354
Stddev	.01875	.000458	.000057	.000342	.000377	.003565	.000848
%RSD	.1782835	2.907755	4.185916	9.716116	14.39747	13.63879	25.28925
#1	10.50151	-.016059	-.001375	-.003651	-.002789	-.024702	-.004297
#2	10.53735	-.015236	-.001304	-.003135	-.002189	-.030201	-.003114
#3	10.50990	-.015997	-.001417	-.003782	-.002885	-.023521	-.002653

Sample Name: P3846-05DLX2 Acquired: 10/18/2024 14:19:41 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0062512	.2666871	.0014771
Stddev	.0005197	.0113065	.0000281
%RSD	8.312980	4.239613	1.901128

#1	.0057651	.2554798	.0014456
#2	.0061895	.2780902	.0014996
#3	.0067989	.2664913	.0014859

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2895.451	59473.74	13588.22	2098.448	4619.967
Stddev	11.960	67.55	16.34	15.678	10.125
%RSD	.4130714	.1135801	.1202826	.7471020	.2191546

#1	2907.129	59431.03	13579.36	2089.318	4628.815
#2	2895.997	59438.58	13607.09	2089.475	4622.162
#3	2883.227	59551.62	13578.23	2116.550	4608.925

Sample Name: P3847-05DLX2 Acquired: 10/18/2024 14:49:09 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	-.002892	-.002086	-.001488	-.002789	-.001950	-.020536	-.001830
Stddev	.000828	.000893	.000434	.001541	.000229	.001283	.000515
%RSD	28.63036	42.83230	29.16374	55.23465	11.72301	6.245464	28.15097
#1	-.002371	-.002324	-.001689	-.004553	-.001993	-.020973	-.001278
#2	-.003847	-.001098	-.000990	-.001707	-.001703	-.019092	-.001913
#3	-.002459	-.002837	-.001785	-.002107	-.002153	-.021543	-.002298
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000994	-.000569	30.54094	-.000453	-.000632	-.000548	.0002071
Stddev	.0000203	.000016	.23616	.000232	.000089	.000223	.0024078
%RSD	20.39287	2.750189	.7732670	51.09252	14.01399	40.74397	1162.795
#1	.0000805	-.000560	30.76784	-.000309	-.000589	-.000649	-.001272
#2	.0000970	-.000587	30.55850	-.000331	-.000734	-.000292	.002985
#3	.0001208	-.000560	30.29649	-.000721	-.000573	-.000703	-.001092
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000716	12.87669	-.000412	-.000207	40.32682	.0003900	-.000325
Stddev	.000104	.08497	.000268	.000330	.36139	.0006309	.000213
%RSD	14.56534	.6599004	64.99701	159.5106	.8961406	161.7805	65.44104
#1	-.000767	12.96713	-.000255	-.000587	39.99345	.0000501	-.000409
#2	-.000785	12.86441	-.000721	-.000040	40.71087	.0011180	-.000083
#3	-.000596	12.79852	-.000260	.000006	40.27614	.0000019	-.000484
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.27881	-.012634	-.001371	-.004172	-.002552	-.024429	-.004588
Stddev	.07734	.000201	.000141	.000201	.000125	.003217	.003458
%RSD	.7523768	1.594759	10.27730	4.828948	4.918456	13.16733	75.37947
#1	10.22659	-.012560	-.001465	-.004381	-.002689	-.028138	-.008552
#2	10.36765	-.012862	-.001438	-.004154	-.002444	-.022753	-.003022
#3	10.24217	-.012479	-.001209	-.003980	-.002522	-.022397	-.002189

Sample Name: P3847-05DLX2 Acquired: 10/18/2024 14:49:09 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0063140	.2789254	.0014010
Stddev	.0025020	.0033923	.0000219
%RSD	39.62616	1.216204	1.564136
#1	.0087387	.2808388	.0014164
#2	.0064620	.2809287	.0013759
#3	.0037413	.2750086	.0014107

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2914.191	60681.42	13902.90	2128.153	4623.538
Stddev	9.624	235.13	52.67	17.420	6.641
%RSD	.3302606	.3874897	.3788312	.8185325	.1436398
#1	2924.138	60917.28	13843.44	2141.915	4630.016
#2	2913.508	60447.01	13943.70	2108.568	4623.854
#3	2904.926	60679.98	13921.55	2133.977	4616.745

Sample Name: CCV02 Acquired: 10/18/2024 14:53:29 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.042909	5.352768	5.012741	4.994913	4.848288	9.565704
Stddev	.020736	.113703	.021359	.033740	.037337	.007937
%RSD	.4111892	2.124195	.4260993	.6754911	.7701017	.0829767
#1	5.063525	5.454805	5.030850	5.032460	4.883943	9.556777
#2	5.043146	5.230197	5.018187	4.985144	4.851449	9.568372
#3	5.022055	5.373303	4.989186	4.967136	4.809471	9.571964
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.491278	.2455543	2.499112	23.98509	1.000936	2.411902
Stddev	.100671	.0010322	.010417	.06977	.001451	.011079
%RSD	1.060673	.4203594	.4168117	.2908715	.1449321	.4593337
#1	9.461077	.2450671	2.508868	23.90541	.999986	2.422008
#2	9.409164	.2467400	2.500325	24.01463	1.002606	2.413642
#3	9.603593	.2448559	2.488141	24.03522	1.000216	2.400057
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.205423	5.026894	2.393026	24.04629	2.411075	1.259116
Stddev	.007450	.027143	.007619	.07949	.011130	.002417
%RSD	.6180815	.5399487	.3183751	.3305577	.4616195	.1919424
#1	1.211030	5.002812	2.384259	23.95641	2.421549	1.261889
#2	1.208270	5.021563	2.396775	24.07511	2.412290	1.257461
#3	1.196968	5.056306	2.398045	24.10735	2.399388	1.257997
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.80519	2.393332	2.497332	24.94646	4.939609	4.921605
Stddev	.06112	.004561	.003186	.10347	.012793	.027257
%RSD	.2464175	.1905662	.1275912	.4147776	.2589979	.5538178
#1	24.79798	2.389848	2.500987	24.92921	4.938518	4.950275
#2	24.74799	2.398494	2.495143	24.85270	4.952913	4.918517
#3	24.86960	2.391654	2.495865	25.05747	4.927396	4.896024

Sample Name: CCV02 Acquired: 10/18/2024 14:53:29 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.928148	4.839237	5.204636	4.767463	4.702013	F .2967407
Stddev	.025544	.008733	.033962	.020553	.024375	.0287580
%RSD	.5183386	.1804552	.6525406	.4311073	.5184014	9.691302
#1	4.956229	4.829886	5.169888	4.791007	4.730159	.2966685
#2	4.921924	4.847181	5.206264	4.758279	4.687981	.2680189
#3	4.906291	4.840643	5.237754	4.753105	4.687898	.3255349

Elem	Sr4077
Units	ppm
Avg	4.896231
Stddev	.034942
%RSD	.7136414
#1	4.932157
#2	4.894171
#3	4.862365

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2967.507	58934.11	12989.26	2076.405	4643.968
Stddev	21.530	251.00	42.13	16.270	31.675
%RSD	.7255384	.4258962	.3243085	.7835444	.6820685
#1	2950.077	58650.10	12949.40	2058.239	4617.700
#2	2960.870	59126.15	12985.05	2089.634	4635.060
#3	2991.574	59026.08	13033.33	2081.341	4679.142

Sample Name: CCB02 Acquired: 10/18/2024 14:57:43 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001733	-.001670	-.001540	-.003440	-.001748	-.005980
Stddev	.001268	.000472	.000230	.000816	.000289	.003472
%RSD	73.13231	28.25591	14.94270	23.71005	16.55430	58.05776
#1	-.003197	-.002009	-.001771	-.003507	-.001868	-.009939
#2	-.000998	-.001131	-.001537	-.004220	-.001959	-.003454
#3	-.001005	-.001869	-.001311	-.002593	-.001418	-.004546
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002260	.0000081	-.000614	-.007606	-.000169	-.000512
Stddev	.000176	.0000438	.000113	.002727	.000150	.000111
%RSD	7.793681	537.2424	18.40276	35.85467	88.76005	21.65873
#1	-.002290	-.000031	-.000689	-.009621	-.000232	-.000501
#2	-.002419	.000000	-.000484	-.004503	-.000277	-.000407
#3	-.002071	.000055	-.000670	-.008695	.000002	-.000628
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000616	-.000842	-.000830	.0000201	-.000747	-.000191
Stddev	.000135	.001782	.000108	.0071853	.000191	.000251
%RSD	21.90307	211.6640	13.01200	35682.31	25.60064	130.9472
#1	-.000769	-.000304	-.000708	.0062491	-.000664	-.000467
#2	-.000562	-.002832	-.000915	-.007841	-.000612	-.000129
#3	-.000516	.000609	-.000867	.001652	-.000966	.000022
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059243	-.000132	-.000559	-.010004	-.009091	-.001710
Stddev	.0025383	.000346	.000124	.017316	.000375	.000228
%RSD	42.84537	261.4759	22.16346	173.0882	4.123038	13.32724
#1	.0032785	-.000532	-.000429	.009493	-.008810	-.001823
#2	.0061551	.000050	-.000573	-.015914	-.008946	-.001448
#3	.0083393	.000084	-.000676	-.023591	-.009516	-.001860

Sample Name: CCB02 Acquired: 10/18/2024 14:57:43 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001633	-.001906	-.017965	-.002107	-.005852	F .1005772
Stddev	.000470	.000210	.004094	.001393	.000973	.0356900
%RSD	28.75973	11.03532	22.78852	66.10450	16.63080	35.48520
#1	-.001564	-.001847	-.021263	-.001334	-.005496	.1400620
#2	-.002134	-.001731	-.013383	-.001272	-.006953	.0706128
#3	-.001202	-.002139	-.019251	-.003714	-.005107	.0910568

Elem	Sr4077
Units	ppm
Avg	-.001703
Stddev	.000003
%RSD	.1730582
#1	-.001704
#2	-.001706
#3	-.001700

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3116.942	62694.62	13743.17	2225.402	5221.301
Stddev	6.279	318.41	67.05	27.311	6.412
%RSD	.2014576	.5078771	.4878471	1.227257	.1228061
#1	3121.801	62773.51	13727.99	2236.759	5218.399
#2	3119.174	62344.18	13685.02	2194.245	5228.651
#3	3109.852	62966.17	13816.51	2245.203	5216.853

Sample Name: LR1 Acquired: 10/18/2024 15:02:10 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	-.006347	.0151071	.0581512	-.185135	.0012271	1910.017
Stddev	.001347	.0050472	.0040633	.019437	.0025606	9.037
%RSD	21.22171	33.40952	6.987443	10.49909	208.6750	.4731233
#1	-.006870	.0174895	.0575411	-.172955	.0036704	1919.692
#2	-.004817	.0093096	.0624851	-.174898	.0014476	1908.566
#3	-.007355	.0185221	.0544275	-.207551	-.001437	1901.794
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0158713	.0086964	.1473781	1446.475	.0047017	.0379701
Stddev	.0001545	.0003334	.0011024	13.334	.0005403	.0004816
%RSD	.9732067	3.833960	.7480031	.9217950	11.49169	1.268287
#1	.0157018	.0087373	.1466008	1459.008	.0044376	.0385247
#2	.0160041	.0090075	.1468938	1447.953	.0053233	.0377280
#3	.0159078	.0083444	.1486397	1432.464	.0043443	.0376577
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3028377	754.4045	-.074785	1518.132	.0200191	-.017302
Stddev	.0094908	8.5467	.000344	11.112	.0012175	.001412
%RSD	3.133960	1.132904	.4595873	.7319755	6.081534	8.163080
#1	.2936135	762.6936	-.075053	1530.925	.0211746	-.016084
#2	.3023253	754.8983	-.074398	1512.601	.0201349	-.016970
#3	.3125743	745.6216	-.074906	1510.871	.0187479	-.018850
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1730.809	.0386305	.1110727	904.5066	-.193992	-.006086
Stddev	9.220	.0013895	.0008815	.5508	.010893	.000717
%RSD	.5326807	3.596817	.7936641	.0608966	5.615273	11.78068
#1	1741.453	.0371101	.1105829	904.6345	-.183193	-.005660
#2	1725.687	.0389469	.1105449	904.9823	-.193805	-.006914
#3	1725.287	.0398344	.1120904	903.9031	-.204977	-.005685

Sample Name: LR1 Acquired: 10/18/2024 15:02:10 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0110089	-.041109	.0840722	.0832690	-.148436	F 14.74732
Stddev	.0002852	.000505	.0097458	.0045068	.012084	.05381
%RSD	2.590540	1.227365	11.59213	5.412297	8.141018	.3648608
#1	.0106801	-.041199	.0915179	.0824377	-.137457	14.78570
#2	.0111897	-.040566	.0876569	.0792358	-.146466	14.77044
#3	.0111568	-.041563	.0730418	.0881336	-.161383	14.68581

Elem	Sr4077
Units	ppm
Avg	-.746120
Stddev	.008633
%RSD	1.157053
#1	-.754482
#2	-.746637
#3	-.737239

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1929.739	41678.96	11107.95	1397.432	2662.090
Stddev	5.425	38.10	7.73	5.036	7.635
%RSD	.2811467	.0914130	.0696293	.3603753	.2867968
#1	1935.855	41690.40	11116.17	1396.142	2667.366
#2	1927.853	41636.45	11100.82	1393.167	2665.569
#3	1925.508	41710.04	11106.87	1402.988	2653.336

Sample Name: LR2 Acquired: 10/18/2024 15:07:09 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0159389	-.020553	179.6405	-.000343	-.005674	.0431873	^ *****
Stddev	.0018331	.002917	1.4848	.001952	.000830	.0023950	-----
%RSD	11.50110	14.19349	.8265534	569.2816	14.62127	5.545649	-----

#1	.0146590	-.021557	179.5868	-.002597	-.004923	.0435679	^ -----
#2	.0151187	-.017267	178.1832	.000796	-.005536	.0453693	^ -----
#3	.0180389	-.022837	181.1514	.000772	-.006564	.0406248	^ -----

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002335	-.008869	.2257905	.0166436	-.038403	213.5756	-.009838
Stddev	.000053	.000143	.0013653	.0004294	.000263	.6221	.001916
%RSD	2.270000	1.610291	.6046798	2.579924	.6854796	.2912734	19.47819

#1	-.002282	-.008704	.2270508	.0161497	-.038315	213.7806	-.007625
#2	-.002388	-.008953	.2243401	.0169286	-.038699	212.8769	-.010969
#3	-.002335	-.008949	.2259807	.0168524	-.038195	214.0694	-.010919

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.54639	-.038901	34.81192	.0023780	.1579037	-.014408	23.29902
Stddev	.58213	.010776	.09305	.0001903	.0252766	.001583	.17543
%RSD	1.472024	27.70150	.2672804	8.003290	16.00757	10.98440	.7529519

#1	40.04630	-.036622	34.70530	.0024391	.1807196	-.016086	23.48838
#2	38.90728	-.050634	34.85379	.0021647	.1622592	-.012942	23.14202
#3	39.68560	-.029446	34.87667	.0025303	.1307325	-.014195	23.26667

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1882568	-.014457	-.006070	-.006284	-.041827	-.029791	1.265128
Stddev	.0300181	.000323	.000147	.000609	.000444	.001994	.012554
%RSD	15.94528	2.232318	2.422825	9.683713	1.061453	6.694525	.9923219

#1	.2028198	-.014649	-.006213	-.005949	-.041535	-.031785	1.255344
#2	.2082154	-.014637	-.006077	-.005918	-.041608	-.029792	1.260757
#3	.1537352	-.014084	-.005919	-.006987	-.042338	-.027796	1.279284

Sample Name: LR2 Acquired: 10/18/2024 15:07:09 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0256667	.1026029	.0002803
Stddev	.0023738	.0295317	.0000103
%RSD	9.248647	28.78258	3.655656

#1	.0240455	.0825904	.0002833
#2	.0283914	.1365204	.0002689
#3	.0245631	.0886978	.0002887

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2789.909	61554.89	13548.06	2068.808	4859.518
Stddev	3.291	130.06	127.46	1.140	7.758
%RSD	.1179718	.2112940	.9408298	.0551263	.1596541

#1	2790.692	61495.61	13503.66	2067.740	4867.631
#2	2792.738	61704.03	13691.79	2068.676	4858.753
#3	2786.297	61465.03	13448.73	2070.009	4852.171

Sample Name: P4385-20 Acquired: 10/18/2024 15:11:50 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0931899	-.019178	.2372503	-.048217	-.001208	228.0318
Stddev	.0027078	.001449	.0034042	.001605	.000906	1.0554
%RSD	2.905625	7.554162	1.434843	3.329037	75.02040	.4628480

#1	.0940108	-.018038	.2386962	-.048656	-.000687	229.0361
#2	.0953921	-.020808	.2396928	-.046438	-.000683	226.9318
#3	.0901666	-.018687	.2333618	-.049557	-.002255	228.1274

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.079590	.0124211	.0402760	25.84041	.4010865	.1797902
Stddev	.004765	.0001179	.0000907	.07252	.0010593	.0002956
%RSD	.4413499	.9487602	.2251797	.2806581	.2641062	.1644348

#1	1.084858	.0123801	.0403778	25.91582	.4006423	.1798832
#2	1.078331	.0125540	.0402039	25.77116	.4022956	.1800282
#3	1.075582	.0123292	.0402462	25.83424	.4003217	.1794592

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2905297	238.4983	3.150448	21.17349	.1472862	.0007331
Stddev	.0011945	1.1744	.012066	.07932	.0001645	.0004217
%RSD	.4111426	.4923969	.3829837	.3746419	.1117125	57.52674

#1	.2897401	239.4089	3.161399	21.09295	.1474170	.0012018
#2	.2919039	237.1728	3.137513	21.17599	.1471014	.0006131
#3	.2899451	238.9134	3.152432	21.25154	.1473401	.0003843

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.025956	.4952842	.3928159	8.488069	-.025577	.0017989
Stddev	.005136	.0017494	.0014513	.028044	.002281	.0003412
%RSD	.5005642	.3532023	.3694607	.3303899	8.919752	18.96575

#1	1.030928	.4971629	.3915292	8.520419	-.025413	.0021929
#2	1.020671	.4937022	.3925295	8.470650	-.027937	.0015966
#3	1.026270	.4949875	.3943891	8.473138	-.023383	.0016073

Sample Name: P4385-20 Acquired: 10/18/2024 15:11:50 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0130480	5.304717	F 19.53058	7.455764	2.215499	1.867445
Stddev	.0005456	.014453	.06260	.014276	.003309	.009942
%RSD	4.181862	.2724513	.3205273	.1914788	.1493763	.5323746
#1	.0135444	5.320543	19.49753	7.442100	2.216131	1.878923
#2	.0124637	5.301391	19.49143	7.454609	2.211920	1.861902
#3	.0131360	5.292217	19.60278	7.470583	2.218447	1.861511

Elem	Sr4077
Units	ppm
Avg	-.127141
Stddev	.001060
%RSD	.8335984
#1	-.127356
#2	-.125990
#3	-.128076

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3726.895	72247.90	16763.07	2569.553	4452.021
Stddev	13.930	91.55	59.27	10.273	14.211
%RSD	.3737814	.1267201	.3536039	.3998144	.3191958
#1	3711.382	72211.35	16694.96	2569.436	4435.866
#2	3738.335	72352.08	16791.33	2579.884	4462.590
#3	3730.968	72180.26	16802.93	2559.338	4457.606

Sample Name: P4385-20DUP Acquired: 10/18/2024 15:16:08 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0916644	-.018514	.2344289	-.047323	-.001247	228.7734
Stddev	.0011690	.001210	.0009517	.001329	.000364	1.9433
%RSD	1.275246	6.533553	.4059478	2.807891	29.19028	.8494647
#1	.0930141	-.019668	.2353341	-.046563	-.001667	226.7213
#2	.0909812	-.018619	.2345159	-.048858	-.001028	229.0130
#3	.0909977	-.017256	.2334367	-.046549	-.001046	230.5858
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.055257	.0124952	.0403631	25.50929	.3951146	.1780040
Stddev	.000669	.0000894	.0000168	.04314	.0001689	.0002119
%RSD	.0634216	.7152015	.0416930	.1691227	.0427549	.1190243
#1	1.055939	.0124391	.0403480	25.46398	.3952940	.1781285
#2	1.054602	.0125983	.0403600	25.54987	.3949585	.1777594
#3	1.055229	.0124483	.0403813	25.51404	.3950912	.1781242
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2958216	228.2743	3.093857	21.15103	.1478451	-.000037
Stddev	.0008059	.4780	.004123	.12600	.0003649	.000111
%RSD	.2724325	.2094112	.1332775	.5957044	.2468249	301.6133
#1	.2952179	228.7438	3.089658	21.03320	.1474250	-.000073
#2	.2955102	228.2909	3.094012	21.28385	.1480843	.000088
#3	.2967368	227.7882	3.097900	21.13605	.1480258	-.000126
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9897103	.4878361	.3843962	8.123280	-.042029	.0017575
Stddev	.0052805	.0021170	.0002666	.032809	.002999	.0000401
%RSD	.5335438	.4339525	.0693518	.4038831	7.135822	2.279232
#1	.9945772	.4870792	.3844272	8.160862	-.038659	.0017158
#2	.9840958	.4902275	.3841155	8.108628	-.044404	.0017957
#3	.9904577	.4862016	.3846460	8.100352	-.043024	.0017609

Sample Name: P4385-20DUP Acquired: 10/18/2024 15:16:08 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0133888	5.279977	F 17.96527	7.435758	2.173022	1.864726
Stddev	.0012694	.002711	.02977	.009441	.010574	.017680
%RSD	9.480965	.0513412	.1656931	.1269671	.4865991	.9481293
#1	.0146388	5.279537	17.99918	7.440425	2.161012	1.879626
#2	.0121009	5.282881	17.95318	7.424893	2.177125	1.845190
#3	.0134268	5.277513	17.94345	7.441957	2.180930	1.869363

Elem	Sr4077
Units	ppm
Avg	-.118949
Stddev	.000371
%RSD	.3120233
#1	-.119273
#2	-.119031
#3	-.118544

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3732.975	74765.59	16694.99	2661.757	4460.395
Stddev	4.056	167.80	41.45	11.346	5.038
%RSD	.1086463	.2244380	.2482575	.4262664	.1129417
#1	3728.728	74578.89	16721.76	2657.735	4458.563
#2	3733.389	74814.04	16647.24	2652.969	4456.529
#3	3736.808	74903.84	16715.95	2674.566	4466.092

Sample Name: P4385-20LX5 Acquired: 10/18/2024 15:20:27 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0184832	-.004074	.0495205	-.013300	-.001333	53.78673	.2555726
Stddev	.0011258	.001420	.0015882	.001916	.001394	.05908	.0015095
%RSD	6.090847	34.86368	3.207233	14.40752	104.5704	.1098426	.5906557

#1	.0173161	-.002492	.0492165	-.013706	-.000211	53.75488	.2564573
#2	.0185709	-.004490	.0481062	-.014981	-.000894	53.75040	.2538296
#3	.0195625	-.005239	.0512387	-.011213	-.002894	53.85490	.2564310

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031854	.0059298	6.280139	.0941671	.0352681	.0768445	54.49553
Stddev	.0000270	.0000367	.018355	.0001597	.0000621	.0003071	.32552
%RSD	.8479769	.6187931	.2922759	.1695620	.1759826	.3996320	.5973395

#1	.0031555	.0058880	6.270169	.0939832	.0353027	.0769084	54.32106
#2	.0031927	.0059446	6.268926	.0942464	.0353053	.0771146	54.29443
#3	.0032081	.0059567	6.301322	.0942715	.0351965	.0765105	54.87110

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7782256	5.133597	.0291570	-.000290	.2472511	.1176820	.0901093
Stddev	.0046382	.024509	.0001663	.000301	.0013271	.0009133	.0002148
%RSD	.5959966	.4774251	.5703506	103.8308	.5367397	.7760928	.2383896

#1	.7780786	5.140373	.0291211	-.000103	.2487282	.1176858	.0898884
#2	.7736627	5.106413	.0290115	-.000637	.2468660	.1167668	.0901222
#3	.7829356	5.154006	.0293383	-.000129	.2461592	.1185934	.0903174

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.886905	-.025958	-.001270	.0016508	1.273672	4.173694	1.468524
Stddev	.023880	.000714	.000261	.0009309	.005184	.003531	.004606
%RSD	1.265555	2.751807	20.54097	56.39273	.4069801	.0846128	.3136340

#1	1.869525	-.025258	-.001287	.0021710	1.272608	4.170552	1.473658
#2	1.877056	-.026686	-.001001	.0022054	1.269103	4.173013	1.467159
#3	1.914134	-.025930	-.001522	.0005760	1.279305	4.177516	1.464755

Sample Name: P4385-20LX5 Acquired: 10/18/2024 15:20:27 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.4259929	.5110981	-.028984
Stddev	.0026652	.0147237	.000245
%RSD	.6256545	2.880794	.8460749
#1	.4257723	.5057487	-.028822
#2	.4287616	.4997969	-.028863
#3	.4234448	.5277487	-.029266

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3288.821	66395.62	13885.24	2389.415	4889.278
Stddev	10.486	152.71	33.13	5.963	13.425
%RSD	.3188287	.2300026	.2386291	.2495686	.2745812
#1	3280.812	66460.36	13876.20	2388.797	4876.977
#2	3300.690	66505.30	13921.96	2395.663	4903.599
#3	3284.963	66221.20	13857.57	2383.784	4887.259

Sample Name: P4385-20MS Acquired: 10/18/2024 15:24:39 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.6872378	1.846373	.9761133	1.357291	.5806510	230.9444
Stddev	.0022969	.020938	.0043923	.001157	.0020111	1.4103
%RSD	.3342190	1.133989	.4499770	.0852512	.3463451	.6106491

#1	.6849587	1.864999	.9801931	1.357062	.5783376	231.3648
#2	.6872027	1.823711	.9714641	1.356265	.5816330	232.0966
#3	.6895521	1.850408	.9766828	1.358545	.5819824	229.3717

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.244027	.1689617	.2331633	26.82170	.7092684	.3788038
Stddev	.008642	.0006712	.0003686	.09505	.0023242	.0009455
%RSD	.6946474	.3972307	.1580722	.3543662	.3276842	.2495877

#1	1.234588	.1683621	.2330970	26.71709	.7093911	.3789079
#2	1.245943	.1696867	.2328324	26.90274	.7115288	.3778106
#3	1.251550	.1688363	.2335605	26.84528	.7068853	.3796929

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4809270	230.8659	3.351444	22.84807	.5277498	.0606993
Stddev	.0012741	.7711	.023387	.16819	.0010333	.0001377
%RSD	.2649148	.3339926	.6978296	.7361151	.1957860	.2268877

#1	.4794916	230.4168	3.324468	22.67257	.5274649	.0605463
#2	.4813654	230.4246	3.363843	23.00785	.5268889	.0607383
#3	.4819238	231.7562	3.366021	22.86378	.5288956	.0608133

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.193413	.7150047	.5408242	13.28192	.1676105	.3068804
Stddev	.027021	.0034332	.0010683	.04955	.0030380	.0007782
%RSD	.8461462	.4801615	.1975318	.3730921	1.812530	.2535764

#1	3.165631	.7110950	.5417863	13.24197	.1648663	.3066094
#2	3.195004	.7175276	.5410118	13.26642	.1670901	.3062739
#3	3.219603	.7163913	.5396745	13.33738	.1708751	.3077578

Sample Name: P4385-20MS Acquired: 10/18/2024 15:24:39 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.6794191	5.494614	F 18.96963	F 13.49759	2.212414	4.767297
Stddev	.0021259	.028730	.02125	.01863	.013018	.063612
%RSD	.3128957	.5228747	.1119996	.1380336	.5884153	1.334349
#1	.6811048	5.461538	18.94648	13.48467	2.210276	4.723420
#2	.6770309	5.508939	18.98824	13.51895	2.200597	4.738220
#3	.6801216	5.513364	18.97416	13.48914	2.226369	4.840252

Elem	Sr4077
Units	ppm
Avg	.0342132
Stddev	.0013140
%RSD	3.840678
#1	.0327018
#2	.0350850
#3	.0348528

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3658.661	73821.59	16082.66	2656.728	4358.966
Stddev	3.520	122.05	34.11	15.496	1.618
%RSD	.0962048	.1653274	.2120639	.5832895	.0371245
#1	3662.514	73694.04	16104.45	2642.546	4358.546
#2	3657.854	73833.46	16043.35	2654.369	4360.753
#3	3655.615	73937.26	16100.16	2673.269	4357.599

Sample Name: P4385-20MSD Acquired: 10/18/2024 15:28:48 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.7011216	1.880619	.9939625	1.401288	.6037258	232.1336
Stddev	.0038455	.021224	.0006192	.001867	.0014774	1.3758
%RSD	.5484739	1.128571	.0622931	.1332379	.2447089	.5926668
#1	.6998575	1.859667	.9941858	1.401090	.6039753	230.5496
#2	.6980673	1.880084	.9944390	1.399528	.6021395	232.8211
#3	.7054400	1.902105	.9932626	1.403246	.6050625	233.0302
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.253191	.1702719	.2389749	27.06213	.7217925	.3857194
Stddev	.005514	.0011245	.0007316	.20418	.0017330	.0011215
%RSD	.4400020	.6604053	.3061526	.7544940	.2400900	.2907663
#1	1.251821	.1689740	.2384191	26.84552	.7207638	.3850598
#2	1.248491	.1708860	.2387019	27.08984	.7208205	.3850841
#3	1.259261	.1709556	.2398038	27.25105	.7237933	.3870144
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4888824	232.2572	3.359221	23.04849	.5380754	.0611545
Stddev	.0008840	.5041	.020654	.26846	.0005052	.0001599
%RSD	.1808212	.2170263	.6148401	1.164761	.0938949	.2614038
#1	.4883774	232.2924	3.339568	22.74057	.5381660	.0610697
#2	.4883666	232.7428	3.357349	23.17146	.5375311	.0613389
#3	.4899031	231.7365	3.380748	23.23344	.5385292	.0610549
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.234817	.7253315	.5455809	13.53684	.1653108	.3179319
Stddev	.012167	.0042346	.0006888	.03290	.0009841	.0008198
%RSD	.3761267	.5838123	.1262572	.2430667	.5952987	.2578425
#1	3.248686	.7216575	.5448656	13.57226	.1662648	.3170000
#2	3.229825	.7243743	.5462399	13.50723	.1653682	.3182542
#3	3.225940	.7299628	.5456372	13.53104	.1642992	.3185415

Sample Name: P4385-20MSD Acquired: 10/18/2024 15:28:48 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.6969578	5.542560	F 19.32097	F 13.47684	2.235693	4.724723
Stddev	.0015956	.024103	.02565	.03720	.002507	.031676
%RSD	.2289424	.4348775	.1327606	.2760210	.1121311	.6704383
#1	.6965641	5.519761	19.29153	13.43881	2.238370	4.690288
#2	.6955959	5.540135	19.33291	13.47857	2.235307	4.731260
#3	.6987134	5.567785	19.33848	13.51314	2.233401	4.752621

Elem	Sr4077
Units	ppm
Avg	.0362411
Stddev	.0017352
%RSD	4.788036
#1	.0357226
#2	.0348243
#3	.0381765

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3603.291	73619.54	16113.29	2607.169	4298.630
Stddev	6.615	137.58	74.30	4.540	9.602
%RSD	.1835724	.1868840	.4611105	.1741360	.2233675
#1	3603.409	73573.24	16199.07	2607.179	4301.729
#2	3609.845	73511.08	16069.47	2602.624	4306.300
#3	3596.617	73774.30	16071.32	2611.704	4287.862

Sample Name: P4385-20A Acquired: 10/18/2024 15:32:58 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.6903507	1.889180	.9801394	1.385636	.5949006	231.0891
Stddev	.0023556	.019962	.0032681	.003887	.0022890	.5640
%RSD	.3412168	1.056627	.3334293	.2805306	.3847763	.2440807

#1	.6912198	1.909037	.9835546	1.387163	.5975317	231.7220
#2	.6921483	1.889388	.9770417	1.388527	.5933666	230.6395
#3	.6876841	1.869116	.9798218	1.381217	.5938035	230.9059

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.231623	.1691836	.2351951	26.92624	.7222519	.3785907
Stddev	.005946	.0001545	.0005592	.05053	.0009801	.0009797
%RSD	.4827597	.0913333	.2377593	.1876442	.1357030	.2587610

#1	1.225163	.1692901	.2356212	26.86809	.7222652	.3790592
#2	1.236866	.1692544	.2345619	26.95935	.7212652	.3774648
#3	1.232840	.1690064	.2354023	26.95129	.7232253	.3792481

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4773654	230.3105	3.296083	22.72982	.5295279	.0615110
Stddev	.0028674	1.4033	.015577	.04174	.0014246	.0003033
%RSD	.6006732	.6093177	.4725873	.1836317	.2690288	.4930163

#1	.4803342	228.7105	3.278509	22.68322	.5311729	.0611616
#2	.4746114	231.3323	3.308186	22.74249	.5287174	.0617063
#3	.4771506	230.8888	3.301556	22.76376	.5286936	.0616651

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.201514	.7166668	.5462626	13.45929	.1558567	.3147127
Stddev	.016557	.0006424	.0019171	.06807	.0017578	.0012747
%RSD	.5171592	.0896317	.3509446	.5057373	1.127837	.4050410

#1	3.184467	.7165917	.5464695	13.38878	.1539259	.3161357
#2	3.217533	.7173434	.5442504	13.52462	.1573642	.3143273
#3	3.202542	.7160653	.5480677	13.46449	.1562799	.3136752

Sample Name: P4385-20A Acquired: 10/18/2024 15:32:58 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.6876562	5.464091	F 19.30718	F 13.15956	2.191177	4.634489
Stddev	.0011815	.017909	.04265	.02698	.009232	.066904
%RSD	.1718216	.3277497	.2208879	.2050332	.4213240	1.443603
#1	.6862968	5.445811	19.26780	13.16531	2.201832	4.562939
#2	.6882357	5.481604	19.35248	13.13016	2.186135	4.695493
#3	.6884362	5.464858	19.30126	13.18320	2.185564	4.645035

Elem	Sr4077
Units	ppm
Avg	.0344663
Stddev	.0003910
%RSD	1.134463
#1	.0348957
#2	.0343725
#3	.0341307

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3657.885	73554.88	16208.45	2576.098	4377.113
Stddev	12.594	85.30	37.54	7.890	11.768
%RSD	.3443015	.1159684	.2316345	.3062675	.2688639
#1	3643.349	73488.77	16166.18	2572.590	4364.426
#2	3665.512	73524.69	16221.25	2585.133	4387.673
#3	3664.796	73651.17	16237.92	2570.570	4379.241

Sample Name: CCV03 Acquired: 10/18/2024 16:05:17 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.915117	5.193863	4.992790	4.841683	4.694858	9.334670
Stddev	.002263	.021327	.006744	.005476	.002209	.019185
%RSD	.0460495	.4106275	.1350760	.1130986	.0470527	.2055215

#1	4.917465	5.174106	4.987795	4.843848	4.692844	9.340856
#2	4.914938	5.216474	5.000461	4.835455	4.694509	9.349999
#3	4.912949	5.191010	4.990114	4.845745	4.697220	9.313156

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.220947	.2553779	2.499291	23.87645	.9837707	2.394466
Stddev	.016909	.0009030	.001206	.05548	.0039179	.000949
%RSD	.1833725	.3535928	.0482431	.2323623	.3982506	.0396440

#1	9.210407	.2556837	2.498160	23.85483	.9797306	2.394994
#2	9.240450	.2560883	2.500560	23.93948	.9840279	2.393370
#3	9.211983	.2543617	2.499153	23.83504	.9875536	2.395034

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.177472	4.600037	2.289928	23.61846	2.399043	1.202107
Stddev	.002188	.024352	.006592	.05587	.001192	.000587
%RSD	.1857844	.5293889	.2878637	.2365479	.0496973	.0488478

#1	1.179988	4.571963	2.291996	23.57813	2.399196	1.202521
#2	1.176417	4.612697	2.295238	23.68223	2.400152	1.201435
#3	1.176013	4.615452	2.282550	23.59501	2.397782	1.202365

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.48054	2.311599	2.364187	22.50946	5.084866	4.827545
Stddev	.02050	.002590	.002641	.03443	.024702	.006268
%RSD	.0837252	.1120290	.1117279	.1529751	.4858004	.1298295

#1	24.48958	2.312703	2.367066	22.47565	5.106661	4.830000
#2	24.45708	2.313453	2.361875	22.50824	5.089904	4.820422
#3	24.49496	2.308640	2.363620	22.54449	5.058033	4.832214

Sample Name: CCV03 Acquired: 10/18/2024 16:05:17 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.913464	4.675962	4.596029	4.779148	4.642484	F .3084933
Stddev	.002741	.013225	.059351	.006146	.002948	.0337485
%RSD	.0557935	.2828339	1.291349	.1285941	.0635010	10.93977
#1	4.912760	4.685263	4.541808	4.780092	4.641619	.3322651
#2	4.916488	4.681800	4.586841	4.772586	4.645767	.3233495
#3	4.911143	4.660822	4.659438	4.784768	4.640065	.2698654

Elem	Sr4077
Units	ppm
Avg	4.740779
Stddev	.022800
%RSD	.4809247
#1	4.764409
#2	4.718912
#3	4.739016

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3036.248	62501.81	12563.03	2204.577	4701.102
Stddev	6.876	151.97	33.80	5.938	6.571
%RSD	.2264604	.2431519	.2690662	.2693300	.1397862
#1	3028.757	62614.68	12535.65	2205.966	4693.742
#2	3042.272	62561.74	12552.64	2209.697	4703.184
#3	3037.715	62329.01	12600.81	2198.068	4706.381

Sample Name: CCB03 Acquired: 10/18/2024 16:39:11 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001410	-.001705	-.001846	-.000901	-.001323	-.004615
Stddev	.000824	.001375	.000534	.000479	.000526	.002656
%RSD	58.47357	80.64713	28.95816	53.19128	39.75673	57.54414
#1	-.001897	-.000183	-.001363	-.000353	-.001649	-.006841
#2	-.001875	-.002074	-.002420	-.001108	-.000716	-.001675
#3	-.000458	-.002857	-.001753	-.001242	-.001605	-.005329
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000594	.0000386	-.000689	-.009460	-.000185	-.000651
Stddev	.000623	.0000340	.000048	.003038	.000338	.000107
%RSD	104.9235	87.93235	6.961734	32.11373	182.9684	16.49494
#1	-.000281	.0000124	-.000670	-.012332	-.000196	-.000617
#2	-.000189	.0000265	-.000653	-.006280	.000159	-.000771
#3	-.001312	.0000770	-.000743	-.009768	-.000518	-.000565
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000330	.0005048	-.000814	-.003559	-.000617	-.000172
Stddev	.000258	.0010643	.000136	.009408	.000215	.000130
%RSD	78.29202	210.8138	16.71898	264.3677	34.86929	75.51566
#1	-.000034	.0001206	-.000739	.005642	-.000756	-.000138
#2	-.000445	.0017078	-.000972	-.013161	-.000369	-.000062
#3	-.000510	-.000314	-.000733	-.003157	-.000725	-.000316
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1510740	-.000269	-.000355	-.030127	-.016323	-.001878
Stddev	.0144001	.000955	.000045	.018373	.000335	.000289
%RSD	9.531809	355.1011	12.73355	60.98694	2.054833	15.38828
#1	.1675824	.000777	-.000407	-.026106	-.016696	-.002108
#2	.1410978	-.000488	-.000327	-.014097	-.016047	-.001554
#3	.1445417	-.001096	-.000331	-.050178	-.016227	-.001972

Sample Name: CCB03 Acquired: 10/18/2024 16:39:11 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001170	-.001934	-.022789	-.004705	.0066510	F .1008272
Stddev	.000231	.000097	.001327	.001142	.0021689	.0270113
%RSD	19.78042	5.036426	5.824394	24.27560	32.61082	26.78967
#1	-.000998	-.002027	-.022425	-.005467	.0065386	.0820548
#2	-.001078	-.001833	-.021682	-.005258	.0088739	.0886424
#3	-.001433	-.001941	-.024261	-.003392	.0045404	.1317843

Elem	Sr4077
Units	ppm
Avg	-.001690
Stddev	.000020
%RSD	1.178916
#1	-.001711
#2	-.001671
#3	-.001688

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3080.644	60672.22	12820.67	2180.456	5121.254
Stddev	5.751	262.20	56.89	5.463	7.218
%RSD	.1866961	.4321623	.4437163	.2505642	.1409435
#1	3080.551	60789.45	12801.25	2180.256	5112.927
#2	3086.442	60371.85	12776.03	2175.095	5125.100
#3	3074.940	60855.35	12884.72	2186.016	5125.734

Sample Name: P4405-01DLX5 Acquired: 10/18/2024 16:43:32 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0151319	-.002940	.3109824	-.007112	.0000373	14.22536
Stddev	.0019757	.001971	.0014080	.001419	.0010959	.09678
%RSD	13.05648	67.04858	.4527455	19.95232	2935.427	.6803543
#1	.0140691	-.005096	.3125295	-.005483	.0005965	14.32288
#2	.0174115	-.002495	.3106417	-.008080	-.001225	14.22387
#3	.0139151	-.001230	.3097761	-.007773	.000741	14.12933
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1036398	.0013146	.0030307	95.03188	.0855182	.0097317
Stddev	.0002913	.0000179	.0001893	.28489	.0017434	.0003000
%RSD	.2810243	1.363197	6.247415	.2997836	2.038662	3.082329
#1	.1039719	.0012946	.0028409	95.17817	.0875313	.0093870
#2	.1034276	.0013294	.0030317	95.21392	.0845311	.0099341
#3	.1035201	.0013197	.0032196	94.70357	.0844923	.0098739
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0803166	32.46072	.7318165	260.9605	.0345662	.0021012
Stddev	.0011140	.72417	.0053830	.6165	.0001375	.0001169
%RSD	1.386978	2.230909	.7355673	.2362421	.3977298	5.564965
#1	.0793773	33.08093	.7367989	260.5135	.0347172	.0020021
#2	.0800251	32.63633	.7325438	261.6638	.0345332	.0022302
#3	.0815473	31.66489	.7261069	260.7042	.0344482	.0020714
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1608.295	.0419759	.2860357	90.01330	.8660343	.0012104
Stddev	56.295	.0007387	.0068967	2.35603	.0114766	.0001601
%RSD	3.500291	1.759870	2.411117	2.617421	1.325184	13.23096
#1	1661.369	.0427519	.2929188	92.16660	.8769320	.0013453
#2	1614.262	.0412812	.2860628	90.37656	.8540554	.0010334
#3	1549.255	.0418946	.2791256	87.49674	.8671154	.0012524

Sample Name: P4405-01DLX5 Acquired: 10/18/2024 16:43:32 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0217945	.5146946	F 13.77047	2.648524	F 208.5811	1.877687
Stddev	.0010204	.0050443	.26986	.014651	.5724	.017155
%RSD	4.682033	.9800541	1.959693	.5531862	.2744353	.9136306
#1	.0229011	.5179348	14.03045	2.640737	208.2950	1.861736
#2	.0215914	.5172663	13.78924	2.639411	208.2081	1.895835
#3	.0208908	.5088828	13.49171	2.665425	209.2401	1.875489

Elem	Sr4077
Units	ppm
Avg	1.516256
Stddev	.011839
%RSD	.7808246
#1	1.527994
#2	1.516457
#3	1.504318

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2437.095	49623.95	11769.71	1741.708	3374.454
Stddev	20.638	1057.67	23.64	41.275	18.758
%RSD	.8468290	2.131368	.2008298	2.369816	.5558899
#1	2454.086	48745.44	11754.86	1730.936	3389.767
#2	2443.069	49328.47	11757.30	1706.886	3380.065
#3	2414.128	50797.93	11796.97	1787.301	3353.531

Sample Name: P4421-01 Acquired: 10/18/2024 17:15:48 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0155515	-.002826	.3936435	-.024495	.0008657	112.6295
Stddev	.0007315	.001266	.0003564	.003497	.0015518	1.0749
%RSD	4.703533	44.80472	.0905347	14.27707	179.2533	.9543237
#1	.0147945	-.002106	.3935605	-.024609	-.000862	113.2361
#2	.0162544	-.004288	.3940340	-.027934	.001319	113.2641
#3	.0156058	-.002084	.3933359	-.020943	.002140	111.3885
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5378203	.0067936	.0143551	37.33716	.1401506	.0699833
Stddev	.0050030	.0001020	.0001079	.31328	.0005163	.0003411
%RSD	.9302433	1.500759	.7519634	.8390695	.3683977	.4873979
#1	.5400112	.0068855	.0144721	37.51462	.1401216	.0703759
#2	.5413542	.0068115	.0142595	37.52143	.1396493	.0697598
#3	.5320956	.0066839	.0143337	36.97543	.1406807	.0698141
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1626683	158.8628	2.789709	22.48331	.1318015	.0074149
Stddev	.0001687	.1145	.018476	.12933	.0007064	.0003042
%RSD	.1036921	.0720734	.6623058	.5752249	.5359879	4.102226
#1	.1625632	158.9325	2.797406	22.53409	.1321342	.0077564
#2	.1628629	158.9251	2.803093	22.57954	.1309902	.0073152
#3	.1625789	158.7306	2.768629	22.33629	.1322802	.0071730
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.939936	.2617432	.4186495	7.087593	.0095944	.0015080
Stddev	.013333	.0008967	.0024822	.016153	.0019638	.0002207
%RSD	.1921206	.3425885	.5929064	.2279047	20.46802	14.63493
#1	6.932645	.2614972	.4164408	7.099610	.0075896	.0013378
#2	6.955324	.2627372	.4213358	7.093939	.0096792	.0017573
#3	6.931839	.2609952	.4181720	7.069231	.0115144	.0014289

Sample Name: P4421-01 Acquired: 10/18/2024 17:15:48 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0213474	2.932863	F 11.91857	4.932587	2.569917	1.808639
Stddev	.0005356	.027928	.04298	.007729	.003756	.029327
%RSD	2.508841	.9522553	.3606536	.1566842	.1461356	1.621507
#1	.0208245	2.949451	11.94096	4.929287	2.566401	1.797339
#2	.0218948	2.948519	11.94575	4.927057	2.569477	1.841935
#3	.0213228	2.900618	11.86902	4.941418	2.573873	1.786642

Elem	Sr4077
Units	ppm
Avg	.0291592
Stddev	.0015247
%RSD	5.228738
#1	.0299951
#2	.0300831
#3	.0273994

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3334.924	68872.94	14719.59	2339.536	4651.577
Stddev	13.303	123.82	105.52	10.004	13.800
%RSD	.3988854	.1797786	.7168479	.4275902	.2966833
#1	3321.684	68744.94	14656.23	2344.523	4637.421
#2	3334.798	68881.76	14661.15	2328.019	4652.319
#3	3348.288	68992.11	14841.40	2346.066	4664.992

Sample Name: P4422-01 Acquired: 10/18/2024 17:19:50 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0235516	-.009203	.4367139	-.034449	.0023211	111.5096	.5350459
Stddev	.0021174	.000052	.0014215	.000070	.0022845	.0635	.0014889
%RSD	8.990676	.5691167	.3254991	.2037937	98.42318	.0569165	.2782764

#1	.0218262	-.009182	.4350753	-.034432	-.000317	111.4938	.5348061
#2	.0229139	-.009165	.4376165	-.034526	.003654	111.5794	.5366402
#3	.0259146	-.009263	.4374499	-.034389	.003626	111.4555	.5336914

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069003	.0246166	44.79193	.2187022	.1205045	.2849848	209.3876
Stddev	.0000498	.0001192	.13203	.0006278	.0005860	.0004773	.7658
%RSD	.7220158	.4842216	.2947578	.2870617	.4862917	.1674666	.3657496

#1	.0069203	.0246322	44.67092	.2184375	.1211217	.2853855	208.8498
#2	.0068436	.0244904	44.93274	.2194190	.1199557	.2851120	209.0485
#3	.0069371	.0247272	44.77214	.2182500	.1204359	.2844568	210.2644

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.781676	35.44635	.1913396	.0092870	11.18854	.3599977	.5514785
Stddev	.013485	.06900	.0003935	.0004166	.03577	.0014875	.0004311
%RSD	.3565965	.1946597	.2056590	4.486107	.3197264	.4131842	.0781745

#1	3.766106	35.36671	.1908957	.0089947	11.18294	.3586709	.5514805
#2	3.789266	35.48815	.1916455	.0091022	11.15589	.3616057	.5510464
#3	3.789656	35.48419	.1914777	.0097641	11.22678	.3597165	.5519086

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.871631	.0244686	.0034763	.0143661	4.903042	7.695204	6.581691
Stddev	.037183	.0023390	.0001112	.0008510	.006665	.014651	.023810
%RSD	.4191234	9.559343	3.199716	5.923473	.1359318	.1903870	.3617555

#1	8.906685	.0235913	.0033522	.0150872	4.898727	7.706546	6.582189
#2	8.832634	.0226950	.0035098	.0134275	4.910718	7.678663	6.557637
#3	8.875575	.0271194	.0035670	.0145837	4.899681	7.700404	6.605248

Sample Name: P4422-01 Acquired: 10/18/2024 17:19:50 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	2.417955	2.202276	-.058266
Stddev	.005414	.032092	.000891
%RSD	.2238952	1.457223	1.528841

#1	2.413996	2.199940	-.057776
#2	2.415746	2.171416	-.057728
#3	2.424124	2.235472	-.059294

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3474.994	73358.79	16547.09	2501.382	4535.838
Stddev	2.064	60.89	47.51	13.866	1.790
%RSD	.0593973	.0830095	.2870997	.5543293	.0394579

#1	3472.673	73363.02	16574.20	2499.128	4537.295
#2	3476.621	73417.47	16492.23	2516.237	4536.379
#3	3475.689	73295.90	16574.83	2488.781	4533.840

Sample Name: P4431-01 Acquired: 10/18/2024 17:23:55 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0178310	-.005009	.4442459	-.015225	.0000501	68.01399
Stddev	.0016598	.001524	.0021082	.000302	.0002975	.17174
%RSD	9.308506	30.41987	.4745615	1.986662	593.9650	.2525140
#1	.0180726	-.003960	.4459912	-.015260	-.000013	67.85054
#2	.0160636	-.006757	.4448430	-.015509	.000374	67.99845
#3	.0193568	-.004311	.4419035	-.014907	-.000211	68.19297

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2337252	.0039230	.0081318	6.143895	.0927206	.0447043
Stddev	.0006579	.0000880	.0000041	.020930	.0003248	.0003175
%RSD	.2814719	2.243502	.0498407	.3406586	.3503207	.7102542
#1	.2329718	.0038857	.0081310	6.119894	.0930924	.0443752
#2	.2340181	.0038597	.0081361	6.153450	.0925782	.0447290
#3	.2341858	.0040235	.0081281	6.158343	.0924914	.0450088

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1346663	99.51014	1.388061	12.48354	.0896439	.0038162
Stddev	.0013532	.47766	.005583	.07364	.0002304	.0001011
%RSD	1.004819	.4800156	.4022464	.5898857	.2570245	2.650200
#1	.1356113	99.03073	1.381702	12.40804	.0897461	.0037631
#2	.1331162	99.98604	1.390321	12.48742	.0898055	.0037527
#3	.1352714	99.51364	1.392160	12.55517	.0893801	.0039328

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7875920	.1408078	.4989139	3.879571	-.000972	.0007886
Stddev	.0050783	.0005299	.0004751	.033104	.001506	.0002532
%RSD	.6447928	.3763258	.0952251	.8532984	154.9800	32.11140
#1	.7817725	.1402930	.4991737	3.863739	-.002356	.0004967
#2	.7898775	.1407787	.4992023	3.917618	.000632	.0009498
#3	.7911259	.1413516	.4983655	3.857354	-.001190	.0009193

Sample Name: P4431-01 Acquired: 10/18/2024 17:23:55 Type: Unk
Method: NON EPA-6010-200.7(v2446) 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	.0081536	1.725911	F 15.95060	4.050973	.6413204	1.271418
Stddev	.0007994	.002219	.05235	.007581	.0031997	.013185
%RSD	9.804247	.1285557	.3282104	.1871333	.4989168	1.037022
#1	.0072560	1.725410	15.90301	4.052245	.6420868	1.280596
#2	.0084156	1.728337	16.00668	4.042837	.6378072	1.256309
#3	.0087891	1.723986	15.94212	4.057838	.6440673	1.277350

Elem	Sr4077
Units	ppm
Avg	-.066298
Stddev	.000406
%RSD	.6130438
#1	-.065873
#2	-.066683
#3	-.066337

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3237.348	68415.73	14999.73	2363.709	4839.298
Stddev	1.505	41.60	52.84	9.926	4.917
%RSD	.0465033	.0608062	.3522702	.4199364	.1016047
#1	3235.637	68452.96	14996.66	2371.434	4844.767
#2	3237.941	68423.40	15054.03	2352.514	4837.882
#3	3238.467	68370.83	14948.49	2367.180	4835.244

Sample Name: CCV04 Acquired: 10/18/2024 17:28:02 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.889570	5.111446	4.849684	4.854157	4.729446	9.212347
Stddev	.010317	.066090	.005478	.001502	.005473	.025108
%RSD	.2109902	1.292982	.1129492	.0309472	.1157177	.2725423
#1	4.900922	5.185256	4.849923	4.853304	4.735684	9.241338
#2	4.887019	5.091334	4.855039	4.855892	4.727198	9.198066
#3	4.880768	5.057749	4.844091	4.853277	4.725454	9.197638

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.277923	.2423066	2.418050	23.07300	.9544647	2.334644
Stddev	.126377	.0006748	.003751	.04410	.0016568	.003639
%RSD	1.362128	.2785019	.1551069	.1911269	.1735884	.1558811
#1	9.388126	.2426213	2.417814	23.11934	.9527669	2.335175
#2	9.305663	.2427666	2.421912	23.06812	.9560773	2.337989
#3	9.139980	.2415319	2.414423	23.03155	.9545500	2.330769

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.169583	F 4.419445	F 2.228095	F 22.44960	2.332634	1.195732
Stddev	.001781	.009906	.002251	.05275	.003212	.001408
%RSD	.1522990	.2241412	.1010410	.2349678	.1377141	.1177484
#1	1.170823	4.411255	2.229603	22.49214	2.332172	1.195404
#2	1.170384	4.430455	2.229175	22.46607	2.336052	1.197275
#3	1.167542	4.416623	2.225507	22.39058	2.329677	1.194517

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.26694	2.252453	2.372570	23.45484	4.891191	4.788778
Stddev	.08159	.005206	.004830	.03612	.010023	.010847
%RSD	.3506552	.2311194	.2035567	.1540105	.2049162	.2265109
#1	23.17674	2.258216	2.377728	23.41534	4.902388	4.797641
#2	23.33557	2.248092	2.371827	23.48620	4.888125	4.792010
#3	23.28853	2.251049	2.368155	23.46296	4.883059	4.776682

Sample Name: CCV04 Acquired: 10/18/2024 17:28:02 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.765120	4.614383	4.702726	4.610150	4.541786	F .2917921
Stddev	.016961	.008127	.026616	.012557	.015665	.0190813
%RSD	.3559460	.1761293	.5659678	.2723871	.3448981	6.539342
#1	4.775082	4.623524	4.679211	4.623737	4.557318	.3092257
#2	4.774743	4.611654	4.697345	4.607743	4.525992	.2947437
#3	4.745536	4.607971	4.731621	4.598970	4.542048	.2714070

Elem	Sr4077
Units	ppm
Avg	4.740469
Stddev	.031233
%RSD	.6588505
#1	4.772782
#2	4.710442
#3	4.738182

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3089.038	63476.14	13306.53	2217.997	4839.878
Stddev	5.380	76.51	39.95	14.351	7.425
%RSD	.1741659	.1205286	.3001928	.6470164	.1534069
#1	3083.378	63498.38	13263.45	2201.954	4831.982
#2	3089.649	63390.97	13313.77	2222.425	4840.933
#3	3094.086	63539.06	13342.35	2229.612	4846.718

Sample Name: CCB04 Acquired: 10/18/2024 17:32:13 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008161	-.001752	-.001072	-.001084	-.000463	-.005687
Stddev	.0006199	.000768	.000374	.000480	.000039	.003876
%RSD	75.96145	43.81013	34.85285	44.30281	8.514062	68.14754
#1	.0001056	-.000893	-.001294	-.000535	-.000460	-.010163
#2	.0012467	-.002370	-.000641	-.001428	-.000426	-.003470
#3	.0010959	-.001993	-.001282	-.001289	-.000505	-.003429
Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003651	.0000439	-.000704	-.012340	-.000063	-.000558
Stddev	.000373	.0000100	.000047	.002498	.000084	.000042
%RSD	10.22045	22.78889	6.633606	20.24285	131.9271	7.502001
#1	-.003671	.0000553	-.000751	-.014821	-.000155	-.000558
#2	-.004014	.0000371	-.000657	-.009826	-.000044	-.000600
#3	-.003268	.0000392	-.000703	-.012372	.000009	-.000516
Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000251	.0012926	-.000764	-.003646	-.000727	-.000034
Stddev	.000299	.0010885	.000063	.003605	.000259	.000277
%RSD	119.4015	84.20610	8.198985	98.87780	35.63464	811.7091
#1	-.000549	.0002289	-.000691	-.007325	-.000933	.000255
#2	-.000253	.0024043	-.000798	-.000119	-.000813	-.000298
#3	.000050	.0012447	-.000801	-.003494	-.000436	-.000059
Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0326276	.0002227	-.000782	-.030932	-.012987	-.001845
Stddev	.0016308	.0005151	.000252	.013293	.000318	.000167
%RSD	4.998128	231.3417	32.24135	42.97393	2.449475	9.033614
#1	.0329300	.0008148	-.001043	-.027403	-.012681	-.001935
#2	.0340860	-.000025	-.000766	-.045633	-.012964	-.001653
#3	.0308668	-.000122	-.000539	-.019760	-.013316	-.001948

Sample Name: CCB04 Acquired: 10/18/2024 17:32:13 Type: Unk
Method: NON EPA-6010-200.7(v2446) Mode: CONC Corr. Factor: 1.000000
User: Kareem Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001439	-.001713	-.018475	.0002661	-.004168	F .0602497
Stddev	.000072	.000111	.004113	.0015400	.001323	.0098782
%RSD	5.020229	6.469897	22.26383	578.7567	31.74400	16.39542
#1	-.001395	-.001730	-.021016	-.001437	-.005614	.0587777
#2	-.001523	-.001814	-.013729	.001561	-.003018	.0511902
#3	-.001400	-.001595	-.020680	.000674	-.003872	.0707813

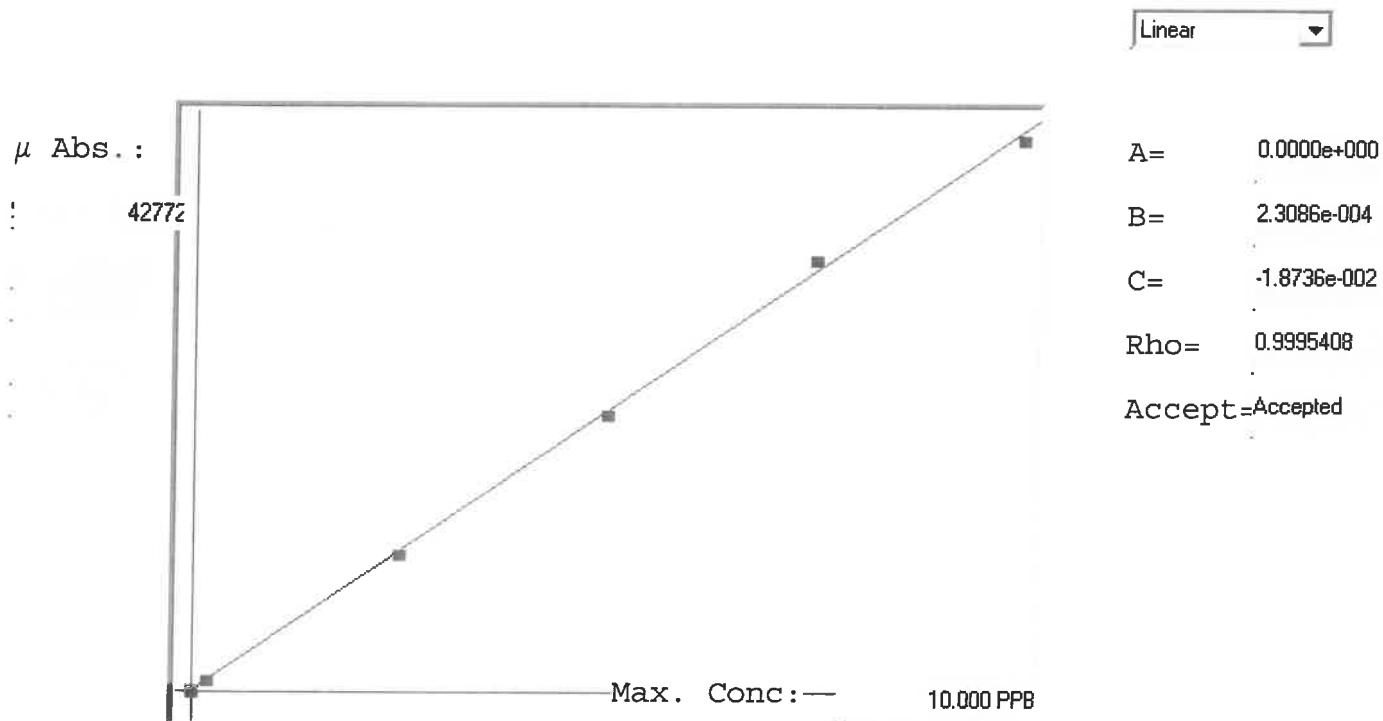
Elem	Sr4077
Units	ppm
Avg	-.001682
Stddev	.000008
%RSD	.4984746
#1	-.001686
#2	-.001673
#3	-.001688

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3167.038	67493.02	14140.55	2299.873	5394.122
Stddev	9.297	181.56	34.76	22.542	9.486
%RSD	.2935508	.2690106	.2458251	.9801592	.1758654
#1	3173.450	67372.98	14101.30	2290.851	5398.290
#2	3171.289	67404.20	14152.92	2283.239	5400.811
#3	3156.376	67701.90	14167.44	2325.529	5383.265

LB132914

7471B

INSTRUMENT ID : CV1



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	2.9
0.0	0.000	-0.003	-0.003	68	0.000	68					
0.2	0.200	0.199	-0.001	945	0.0 %	945					
2.5	2.500	2.474	-0.026	10797	0.0 %	10797					
5.0	5.000	4.949	-0.051	21517	0.0 %	21517					
7.5	7.500	7.725	0.225	33545	0.0 %	33545					
10.0	10.000	9.856	-0.144	42772	0.0 %	42772					

LB132914 INSTRUMENT ID : CV1

Method: 7471B

Operator: Admin

Date of Analysis: 14 Oct 2024 09:47:34

Sample ID	Extended ID	μ Abs.	Conc.	Std Conc	Method	Units	Date	Type	Type
0.0 - 1	50	68	-	0.0000	7471B	PPB	14 Oct 2024 11:19:22	S	Std
0.2 - 1	512	945	-	0.2000	7471B	PPB	14 Oct 2024 11:21:39	S	Std
2.5 - 1	52.5	10797	-	2.5000	7471B	PPB	14 Oct 2024 11:23:55	S	Std
5.0 - 1	55	21517	-	5.0000	7471B	PPB	14 Oct 2024 11:26:12	S	Std
7.5 - 1	57.5	33545	-	7.5000	7471B	PPB	14 Oct 2024 11:28:30	S	Std
10.0 - 1	510	42772	-	10.0000	7471B	PPB	14 Oct 2024 11:30:49	S	Std
ICV36 - 1	ICV36	18497	4.2515	-	7471B	PPB	14 Oct 2024 11:33:39	U	SMPL
ICB36 - 1	ICB36	-41	-0.0282	-	7471B	PPB	14 Oct 2024 11:38:31	U	SMPL
CCV13 - 1	CCV13	21503	4.9454	-	7471B	PPB	14 Oct 2024 11:40:46	U	SMPL
CCB13 - 1	CCB13	-228	-0.0714	-	7471B	PPB	14 Oct 2024 11:43:01	U	SMPL
CRA - 1	CRA	887	0.1860	-	7471B	PPB	14 Oct 2024 11:45:19	U	SMPL
HighStd - 1	HighStd	43387	9.9976	-	7471B	PPB	14 Oct 2024 11:47:33	U	SMPL
ChkStd - 1	ChkStd	31258	7.1975	-	7471B	PPB	14 Oct 2024 11:49:49	U	SMPL
PB164114BL - 1	PBS	-62	-0.0330	-	7471B	PPB	14 Oct 2024 11:54:49	U	SMPL
PB164114BS - 1	LCSS	16853	3.8719	-	7471B	PPB	14 Oct 2024 11:57:04	U	SMPL
P4258-03 - 1	Chamberlain Ave	5472	1.2445	-	7471B	PPB	14 Oct 2024 11:59:21	U	SMPL
P4364-01 - 1	SB-01-1.0-1.5	13513	3.1009	-	7471B	PPB	14 Oct 2024 12:01:39	U	SMPL
P4364-02 - 1	SB-01-2.5-3.0	19128	4.3972	-	7471B	PPB	14 Oct 2024 12:03:59	U	SMPL
P4364-03 - 1	SB-01-4.25-4.83	23292	5.3585	-	7471B	PPB	14 Oct 2024 12:06:18	U	SMPL
P4364-04 - 1	SB-02-0.167-0.667	54725	12.6151	-	7471B	PPB	14 Oct 2024 12:08:36	U	SMPL
CCV14 - 1	CCV14	20904	4.8072	-	7471B	PPB	14 Oct 2024 12:10:54	U	SMPL
CCB14 - 1	CCB14	-237	-0.0734	-	7471B	PPB	14 Oct 2024 12:13:19	U	SMPL
P4364-05 - 1	SB-02-2.0-2.5	44233	10.1929	-	7471B	PPB	14 Oct 2024 12:15:37	U	SMPL
P4364-06 - 1	SB-02-4.5-5.0	67704	15.6114	-	7471B	PPB	14 Oct 2024 12:17:51	U	SMPL
P4364-07 - 1	SB-03-0.167-0.667	45377	10.4570	-	7471B	PPB	14 Oct 2024 12:20:18	U	SMPL
P4364-08 - 1	SB-03-2.0-2.5	12121	2.7795	-	7471B	PPB	14 Oct 2024 12:22:45	U	SMPL
P4364-09 - 1	SB-03-4.167-4.667	41947	9.6651	-	7471B	PPB	14 Oct 2024 12:25:12	U	SMPL
P4364-10 - 1	SB-04-0.167-0.667	53464	12.3240	-	7471B	PPB	14 Oct 2024 12:27:31	U	SMPL
P4364-11 - 1	SB-04-2.0-2.5	41701	9.6084	-	7471B	PPB	14 Oct 2024 12:29:51	U	SMPL
P4364-12 - 1	SB-04-4.5-5.0	5801	1.3205	-	7471B	PPB	14 Oct 2024 12:32:18	U	SMPL
P4364-13 - 1	SB-05-0.167-0.667	8432	1.9279	-	7471B	PPB	14 Oct 2024 12:34:44	U	SMPL
P4364-14 - 1	SB-06-0.167-0.667	25241	5.8084	-	7471B	PPB	14 Oct 2024 12:37:01	U	SMPL
CCV15 - 1	CCV15	21367	4.9141	-	7471B	PPB	14 Oct 2024 12:39:18	U	SMPL
CCB15 - 1	CCB15	-114	-0.0451	-	7471B	PPB	14 Oct 2024 12:41:38	U	SMPL
P4364-15 - 1	SB-07-0.167-0.667	20900	4.8062	-	7471B	PPB	14 Oct 2024 12:43:56	U	SMPL
P4364-16 - 1	SB-08-0.167-0.667	14768	3.3906	-	7471B	PPB	14 Oct 2024 12:46:12	U	SMPL
P4364-16DUP - 1	SB-08-0.167-0.667DUP	16032	3.6824	-	7471B	PPB	14 Oct 2024 12:48:30	U	SMPL
P4364-16MS - 1	SB-08-0.167-0.667MS	33942	7.8171	-	7471B	PPB	14 Oct 2024 12:53:40	U	SMPL
P4364-16MSD - 1	SB-08-0.167-0.667MSD	32641	7.5168	-	7471B	PPB	14 Oct 2024 12:55:56	U	SMPL
P4376-01 - 1	OR-02-100924	852	0.1780	-	7471B	PPB	14 Oct 2024 12:58:18	U	SMPL
P4377-01 - 1	HD-01-100924	540	0.1059	-	7471B	PPB	14 Oct 2024 13:00:37	U	SMPL
PB164117BL - 1	PBS	-7	-0.0204	-	7471B	PPB	14 Oct 2024 13:02:54	U	SMPL
PB164117BS - 1	LCSS	18617	4.2792	-	7471B	PPB	14 Oct 2024 13:05:11	U	SMPL
P4375-01 - 1	CONCRETE-PADS-1	74	-0.0017	-	7471B	PPB	14 Oct 2024 13:07:26	U	SMPL
CCV16 - 1	CCV16	21640	4.9771	-	7471B	PPB	14 Oct 2024 13:09:45	U	SMPL
CCB16 - 1	CCB16	-219	-0.0693	-	7471B	PPB	14 Oct 2024 13:12:00	U	SMPL
P4375-01DUP - 1	CONCRETE-PADS-1DUP	269	0.0434	-	7471B	PPB	14 Oct 2024 13:14:18	U	SMPL
P4375-01MS - 1	CONCRETE-PADS-1MS	16582	3.8094	-	7471B	PPB	14 Oct 2024 13:16:34	U	SMPL
P4375-01MSD - 1	CONCRETE-PADS-1MSD	16382	3.7632	-	7471B	PPB	14 Oct 2024 13:18:49	U	SMPL
P4375-03 - 1	CONCRETE-PADS-2	1767	0.3892	-	7471B	PPB	14 Oct 2024 13:21:07	U	SMPL
P4375-05 - 1	CONCRETE-PADS-3	568	0.1124	-	7471B	PPB	14 Oct 2024 13:23:26	U	SMPL
P4375-07 - 1	CONCRETE-PADS-4	286	0.0473	-	7471B	PPB	14 Oct 2024 13:25:44	U	SMPL
P4375-09 - 1	CONCRETE-PADS-5	299	0.0503	-	7471B	PPB	14 Oct 2024 13:28:01	U	SMPL
P4375-11 - 1	CONCRETE-PADS-6	758	0.1563	-	7471B	PPB	14 Oct 2024 13:30:18	U	SMPL
P4375-13 - 1	CONCRETE-PADS-7	140	0.0136	-	7471B	PPB	14 Oct 2024 13:32:35	U	SMPL
P4375-15 - 1	CONCRETE-PADS-8	192	0.0256	-	7471B	PPB	14 Oct 2024 13:34:51	U	SMPL
CCV17 - 1	CCV17	21202	4.8760	-	7471B	PPB	14 Oct 2024 13:37:07	U	SMPL
CCB17 - 1	CCB17	-57	-0.0319	-	7471B	PPB	14 Oct 2024 13:39:22	U	SMPL
P4375-17 - 1	CONCRETE-PADS-9	531	0.1039	-	7471B	PPB	14 Oct 2024 13:41:40	U	SMPL
P4375-19 - 1	CONCRETE-PADS-10	222	0.0325	-	7471B	PPB	14 Oct 2024 13:43:55	U	SMPL
P4375-21 - 1	CONCRETE-PADS-11	319	0.0549	-	7471B	PPB	14 Oct 2024 13:46:10	U	SMPL
P4375-23 - 1	FENCE-POST-1	274	0.0445	-	7471B	PPB	14 Oct 2024 13:48:26	U	SMPL
P4375-25 - 1	FENCE-POST-2	205	0.0286	-	7471B	PPB	14 Oct 2024 13:50:41	U	SMPL
P4375-27 - 1	FENCE-POST-3	102	0.0048	-	7471B	PPB	14 Oct 2024 13:52:57	U	SMPL
PB164118BL - 1	PBS	-48	-0.0298	-	7471B	PPB	14 Oct 2024 13:55:13	U	SMPL
PB164118BS - 1	LCSS	17956	4.1266	-	7471B	PPB	14 Oct 2024 13:57:30	U	SMPL
P4385-02 - 1	SP-1	2061	0.4571	-	7471B	PPB	14 Oct 2024 13:59:46	U	SMPL
P4385-04 - 1	SP-2	2058	0.4564	-	7471B	PPB	14 Oct 2024 14:02:05	U	SMPL
CCV18 - 1	CCV18	22139	5.0923	-	7471B	PPB	14 Oct 2024 14:04:21	U	SMPL
CCB18 - 1	CCB18	-163	-0.0564	-	7471B	PPB	14 Oct 2024 14:06:37	U	SMPL
P4385-06 - 1	SP-3	2027	0.4492	-	7471B	PPB	14 Oct 2024 14:08:57	U	SMPL
P4385-08 - 1	SP-4	3470	0.7823	-	7471B	PPB	14 Oct 2024 14:11:12	U	SMPL
P4385-10 - 1	SP-5	3376	0.7606	-	7471B	PPB	14 Oct 2024 14:13:28	U	SMPL
P4385-12 - 1	SP-6	2105	0.4672	-	7471B	PPB	14 Oct 2024 14:15:46	U	SMPL
P4385-14 - 1	SP-7	2848	0.6388	-	7471B	PPB	14 Oct 2024 14:18:06	U	SMPL
P4385-16 - 1	SP-8	3091	0.6949	-	7471B	PPB	14 Oct 2024 14:20:24	U	SMPL
P4385-18 - 1	SP-9	2847	0.6385	-	7471B	PPB	14 Oct 2024 14:22:41	U	SMPL
P4385-20 - 1	SP-10	4269	0.9668	-	7471B	PPB	14 Oct 2024 14:24:59	U	SMPL
P4385-20DUP - 1	SP-10DUP	3943	0.8915	-	7471B	PPB	14 Oct 2024 14:27:20	U	SMPL
P4385-20MS - 1	SP-10MS	22586	5.1955	-	7471B	PPB	14 Oct 2024 14:29:38	U	SMPL
CCV19 - 1	CCV19	21623	4.9732	-	7471B	PPB	14 Oct 2024 14:31:55	U	SMPL

LB132914 INSTRUMENT ID : CV1

Method: 7471B

Operator: Admin

Date of Analysis: 14 Oct 2024 09:47:34

Sample ID	Extended ID	μ Abs.	Conc.	Std Conc	Method	Units	Date	Type	Type
CCB19 - 1	CCB19	-117	-0.0457		-7471B	PPB	14 Oct 2024 14:34:15	U	SMPL
P4385-20MSD - 1	SP-10MSD	22233	5.1140		-7471B	PPB	14 Oct 2024 14:36:33	U	SMPL
P4393-01 - 1	BUST-DEBRIS	-188	-0.0621		-7471B	PPB	14 Oct 2024 14:38:49	U	SMPL
P4394-01 - 1	WASH-DEBRIS	-19	-0.0231		-7471B	PPB	14 Oct 2024 14:41:08	U	SMPL
P4395-01 - 1	F05308-SOLID	4243	0.9608		-7471B	PPB	14 Oct 2024 14:43:24	U	SMPL
P4364-16LX5 - 1		3392	0.7843		-7471B	PPB	14 Oct 2024 14:45:40	U	SMPL
P4364-16A - 1		33689	7.7587		-7471B	PPB	14 Oct 2024 14:47:58	U	SMPL
P4375-01LX5 - 1		-155	-0.0545		-7471B	PPB	14 Oct 2024 14:50:17	U	SMPL
P4375-01A - 1		18607	4.2769		-7471B	PPB	14 Oct 2024 14:52:36	U	SMPL
P4385-20LX5 - 1		701	0.1431		-7471B	PPB	14 Oct 2024 14:54:52	U	SMPL
P4385-20A - 1		16545	3.8008		-7471B	PPB	14 Oct 2024 14:57:12	U	SMPL
CCV20 - 1	CCV20	22070	5.0763		-7471B	PPB	14 Oct 2024 14:59:28	U	SMPL
CCB20 - 1	CCB20	-81	-0.0374		-7471B	PPB	14 Oct 2024 15:01:47	U	SMPL
P4364-04DLX2 - 1		25737	5.9229		-7471B	PPB	14 Oct 2024 15:04:06	U	SMPL
P4364-05DLX2 - 1		21577	4.9625		-7471B	PPB	14 Oct 2024 15:06:22	U	SMPL
P4364-06DLX5 - 1		36385	8.3811		-7471B	PPB	14 Oct 2024 15:08:41	U	SMPL
P4364-07DLX2 - 1		10222	2.3411		-7471B	PPB	14 Oct 2024 15:10:59	U	SMPL
P4364-10DLX2 - 1		26881	6.1870		-7471B	PPB	14 Oct 2024 15:13:18	U	SMPL
CCV21 - 1	CCV21	20845	4.7935		-7471B	PPB	14 Oct 2024 15:15:36	U	SMPL
CCB21 - 1	CCB21	-34	-0.0266		-7471B	PPB	14 Oct 2024 15:17:55	U	SMPL

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

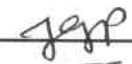
Block ID: 1. HOT BLOCK #3 2. N/A

Start Digest Date: 10/11/2024 Time : 09:05 Temp : 95 °C

End Digest Date: 10/11/2024 Time : 11:15 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: 

Supervisor Signature: 

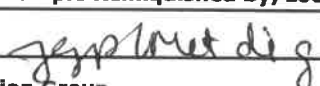
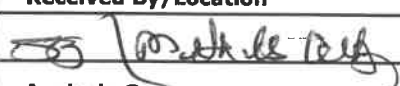
Temp : 1. 95°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6000
LFS-2	1.00	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	10.00	MP81119
CONC: HNO3	5.00	M6083
30% H2O2	3.00	M5634
CONC: HCL	10.00	M6040
PTFE Boiling Stones	N/A	M5585
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 # 3 Cell # 30 Temp: 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/11/24 11:30	 Preparation Group	 Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4258-03	CHAMBERLAIN AVE	N/A	2.14	100	Brown	Yellow	Medium	N/A	N/A	1
P4385-02	SP-1	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	2
P4385-04	SP-2	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	3
P4385-06	SP-3	N/A	2.40	100	Brown	Yellow	Medium	N/A	N/A	4
P4385-08	SP-4	N/A	2.32	100	Brown	Yellow	Medium	N/A	N/A	5
P4385-10	SP-5	N/A	2.31	100	Brown	Yellow	Medium	N/A	N/A	6
P4385-12	SP-6	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	7
P4385-14	SP-7	N/A	2.23	100	Brown	Yellow	Medium	N/A	N/A	8
P4385-16	SP-8	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	9
P4385-18	SP-9	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	10
P4385-20	SP-10	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	11
P4385-20MS	SP-10MS	N/A	2.11	100	Brown	Yellow	Medium	N/A	M6000,M6009	13
P4385-20MSD	SP-10MSD	N/A	2.31	100	Brown	Yellow	Medium	N/A	M6000,M6009	14
P4385-20DUP	SP-10DUP	N/A	2.31	100	Brown	Yellow	Medium	N/A	N/A	12
PB164065BL	PBS065	N/A	2.46	100	Colorless	Colorless	Fine	N/A	N/A	15
PB164065BS	LCS065	N/A	2.46	100	Colorless	Colorless	Fine	N/A	M6000,M6009	16

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB164065

Worklist ID : 184346

Department : Digestion

Date : 10-11-2024 08:35:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4258-03	Chamberlain Ave	Solid	Metals ICP-TAL	Cool 4 deg C	ROMA02	K21	10/01/2024	6010D
P4385-02	SP-1	Solid	Metals ICP-TAL	Cool 4 deg C	SCH03	K51	10/10/2024	6010D
P4385-04	SP-2	Solid	Metals ICP-TAL	Cool 4 deg C	SCH03	K51	10/10/2024	6010D
P4385-06	SP-3	Solid	Metals ICP-TAL	Cool 4 deg C	SCH03	K51	10/10/2024	6010D
P4385-08	SP-4	Solid	Metals ICP-TAL	Cool 4 deg C	SCH03	K51	10/10/2024	6010D
P4385-10	SP-5	Solid	Metals ICP-TAL	Cool 4 deg C	SCH03	K51	10/10/2024	6010D
P4385-12	SP-6	Solid	Metals ICP-TAL	Cool 4 deg C	SCH03	K51	10/10/2024	6010D
P4385-14	SP-7	Solid	Metals ICP-TAL	Cool 4 deg C	SCH03	K51	10/10/2024	6010D
P4385-16	SP-8	Solid	Metals ICP-TAL	Cool 4 deg C	SCH03	K51	10/10/2024	6010D
P4385-18	SP-9	Solid	Metals ICP-TAL	Cool 4 deg C	SCH03	K51	10/10/2024	6010D
P4385-20	SP-10	Solid	Metals ICP-TAL	Cool 4 deg C	SCH03	K51	10/10/2024	6010D

Date/Time

10/11/24

8:40

Raw Sample Received by:

Jeffrey A. Diggs

Raw Sample Relinquished by:

Jeffrey A. Diggs

Date/Time

10/11/24

10:00

Raw Sample Received by:

Jeffrey A. Diggs

Raw Sample Relinquished by:

Jeffrey A. Diggs

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pipette ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

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

Start Digest Date: 10/11/2024 Time : 13:30 Temp : 95 °C

End Digest Date: 10/11/2024 Time : 14:00 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *MB*

Supervisor Signature: *12*

Temp : 1. 95°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP82771
CCV	30mL	MP82773
CRA	30mL	MP82775
Blank Spike	0.48mL	MP82764
Matrix Spike	0.48mL	MP82764

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP82777
KMnO ₄ (5%)	4.5mL	MP82652
Hydroxylamine HCL (12%)	2.0mL	MP82654
PTFE Boiling Stones	-----	M4583
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP82765
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP82766
2.5 ppb	S2.5	30mL	MP82767
5.0 ppb	S5.0	30mL	MP82768
7.5 ppb	S7.5	30mL	MP82769
10.0 ppb	S10.0	30mL	MP82770
ICV	ICV	30mL	MP82771
ICB	ICB	30mL	MP82772
CCV	CCV	30mL	MP82773
CCB	CCB	30mL	MP82774
CRI	CRI	30mL	MP82775
CHK STD	CHK STD	30mL	MP82776

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/11/24 @ 14:40	<i>MB - Dig. Lab</i>	<i>MB - Metal Lab</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
P4258-03	CHAMBERLAIN AVE	0.54	35	NA	N/A	3-1
P4364-01	SB-01-1.0-1.5	0.57	35	NA	N/A	2
P4364-02	SB-01-2.5-3.0	0.52	35	NA	N/A	3
P4364-03	SB-01-4.25-4.83	0.52	35	NA	N/A	4
P4364-04	SB-02-0.167-0.667	0.58	35	NA	N/A	5
P4364-05	SB-02-2.0-2.5	0.53	35	NA	N/A	6
P4364-06	SB-02-4.5-5.0	0.56	35	NA	N/A	7
P4364-07	SB-03-0.167-0.667	0.60	35	NA	N/A	8
P4364-08	SB-03-2.0-2.5	0.50	35	NA	N/A	9
P4364-09	SB-03-4.167-4.667	0.58	35	NA	N/A	10
P4364-10	SB-04-0.167-0.667	0.54	35	NA	N/A	11
P4364-11	SB-04-2.0-2.5	0.56	35	NA	N/A	12
P4364-12	SB-04-4.5-5.0	0.53	35	NA	N/A	13
P4364-13	SB-05-0.167-0.667	0.52	35	NA	N/A	14
P4364-14	SB-06-0.167-0.667	0.53	35	NA	N/A	15
P4364-15	SB-07-0.167-0.667	0.52	35	NA	N/A	16
P4364-16	SB-08-0.167-0.667	0.54	35	NA	N/A	17
P4364-16DUP	SB-08-0.167-0.667DUP	0.56	35	NA	N/A	18
P4364-16MS	SB-08-0.167-0.667MS	0.59	35	NA	MP82764	19
P4364-16MSD	SB-08-0.167-0.667MSD	0.56	35	NA	MP82764	20
P4376-01	OR-02-100924	0.51	35	NA	N/A	21
P4377-01	HD-01-100924	0.60	35	NA	N/A	22
PB164114BL	PBS114	0.54	35	NA	N/A	23
PB164114BS	LCS114	0.52	35	NA	MP82764	24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 101124_7471 WorkList ID : 184338 Department : Digestion Date : 10-11-2024 08:11:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4258-03	Chamberlain Ave	Solid	Mercury	Cool 4 deg C	ROMA02	K21	10/01/2024	7471B
P4364-01	SB-01-1.0-1.5	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4364-02	SB-01-2.5-3.0	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4364-03	SB-01-4.25-4.83	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4364-04	SB-02-0.167-0.667	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4364-05	SB-02-2.0-2.5	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4364-06	SB-02-4.5-5.0	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4364-13	SB-05-0.167-0.667	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4364-14	SB-06-0.167-0.667	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/07/2024	7471B
P4364-15	SB-07-0.167-0.667	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/07/2024	7471B
P4364-16	SB-08-0.167-0.667	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/07/2024	7471B
P4364-07	SB-03-0.167-0.667	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/07/2024	7471B
P4364-08	SB-03-2.0-2.5	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4364-09	SB-03-4.167-4.667	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4364-10	SB-04-0.167-0.667	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4364-11	SB-04-2.0-2.5	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4364-12	SB-04-4.5-5.0	Solid	Mercury	Cool 4 deg C	TETR06	K21	10/04/2024	7471B
P4376-01	OR-02-100924	Solid	Mercury	Cool 4 deg C	PSEG05	K21	10/04/2024	7471B
P4377-01	HD-01-100924	Solid	Mercury	Cool 4 deg C	PSEG05	K21	10/09/2024	7471B

Date/Time 10/11/24 08:11:39
 Raw Sample Received by: CO Cury
 Raw Sample Relinquished by: MB - 11/9/24



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/2/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:35
In Date: 10/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 10/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB132680

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4242-01	TP-Q	1	1.15	8.81	9.96	9.47	94.4	
P4242-02	TP-Q-EPH	2	1.19	8.66	9.85	9.09	91.2	
P4242-03	TP-Q-VOC	3	1.17	8.58	9.75	8.97	90.9	
P4249-01	RV-25 (4-4.5)	4	1.18	8.54	9.72	9.4	96.3	
P4249-02	RV-26 (2-2.5)	5	1.14	8.84	9.98	9.08	89.8	
P4249-03	RV-27 (2-2.5)	6	1.15	8.35	9.5	8.72	90.7	
P4249-04	RV-28 (2-2.5)	7	1.18	8.64	9.82	8.58	85.6	
P4254-01	MH-147-SLUDGE	8	1.13	8.60	9.73	4.39	37.9	sludge sample
P4254-02	MH-147-SLUDGE-VOC	9	1.15	8.81	9.96	4.56	38.7	sludge sample
P4254-03	MH-147-SLUDGE-E2	10	1.14	8.82	9.96	4.13	33.9	sludge sample
P4255-01	OR-03-100124	11	1.14	8.43	9.57	8.57	88.1	
P4255-02	OR-03-100124-E2	12	1.15	8.71	9.86	8.97	89.8	
P4256-01	585	13	1.19	8.49	9.68	7.19	70.7	
P4256-02	31480	14	1.00	1.00	2.00	2.00	100.0	debris
P4257-01	VNJ-240	15	1.12	8.50	9.62	9.03	93.1	
P4257-02	VNJ-240	16	1.14	8.80	9.94	9.18	91.4	
P4258-01	Chamberlain Ave	17	1.17	8.57	9.74	8.54	86.0	
P4258-03	Chamberlain Ave	18	1.17	8.57	9.74	8.54	86.0	

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

WORKLIST(Hardcopy Internal Chain)

132680

WorkList Name : %100124

WorkList ID : 183974

Department : Wet-Chemistry

Date : 10-01-2024 08:04:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4242-01	TP-Q	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4242-02	TP-Q-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4242-03	TP-Q-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4249-01	RV-25(4-4.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4249-02	RV-26(2-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4249-03	RV-27(2-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4249-04	RV-28(2-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	J51	10/01/2024	Chemtech -SO
P4254-01	MH-147-SLUDGE	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4254-02	MH-147-SLUDGE-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4254-03	MH-147-SLUDGE-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4255-01	OR-03-100124	Solid	Percent Solids	Cool 4 deg C	PSEG05	J51	10/01/2024	Chemtech -SO
P4255-02	OR-03-100124-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	J51	10/01/2024	Chemtech -SO
P4256-01	585	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4256-02	31480	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4257-01	VNJ-240	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4257-02	VNJ-240	Solid	Percent Solids	Cool 4 deg C	PSEG03	J51	10/01/2024	Chemtech -SO
P4258-01	Chamberlain Ave	Solid	Percent Solids	Cool 4 deg C	ROMA02	H11	10/01/2024	Chemtech -SO
P4258-03	Chamberlain Ave	Solid	Percent Solids	Cool 4 deg C	ROMA02	H51	10/01/2024	Chemtech -SO

10/01/24 15:25

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

10/01/24

17:00

17:00

17:00

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM

STD. NAME	STD REF.#
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770
ICV Standard	MP82771
CCV Standard	MP82773
ICSA Standard	
CRI Standard	MP82775
LCS Standard	
Chk Standard	MP82772,MP82774,MP82776,MP82781

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/14/24 11:19		Mohan	OK
2	S0.2	S0.2	CAL2	10/14/24 11:21		Mohan	OK
3	S2.5	S2.5	CAL3	10/14/24 11:23		Mohan	OK
4	S5	S5	CAL4	10/14/24 11:26		Mohan	OK
5	S7.5	S7.5	CAL5	10/14/24 11:28		Mohan	OK
6	S10	S10	CAL6	10/14/24 11:30		Mohan	OK
7	ICV36	ICV36	ICV	10/14/24 11:33		Mohan	OK
8	ICB36	ICB36	ICB	10/14/24 11:38		Mohan	OK
9	CCV13	CCV13	CCV	10/14/24 11:40		Mohan	OK
10	CCB13	CCB13	CCB	10/14/24 11:43		Mohan	OK
11	CRA	CRA	CRDL	10/14/24 11:45		Mohan	OK
12	HighStd	HighStd	HIGH STD	10/14/24 11:47		Mohan	OK
13	ChkStd	ChkStd	SAM	10/14/24 11:49		Mohan	OK
14	PB164114BL	PB164114BL	MB	10/14/24 11:54		Mohan	OK
15	PB164114BS	PB164114BS	LCS	10/14/24 11:57		Mohan	OK
16	P4258-03	Chamberlain Ave	SAM	10/14/24 11:59		Mohan	OK
17	P4364-01	SB-01-1.0-1.5	SAM	10/14/24 12:01		Mohan	OK
18	P4364-02	SB-01-2.5-3.0	SAM	10/14/24 12:03		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770		
ICV Standard	MP82771		
CCV Standard	MP82773		
ICSA Standard			
CRI Standard	MP82775		
LCS Standard			
Chk Standard	MP82772,MP82774,MP82776,MP82781		

19	P4364-03	SB-01-4.25-4.83	SAM	10/14/24 12:06		Mohan	OK
20	P4364-04	SB-02-0.167-0.667	SAM	10/14/24 12:08	High	Mohan	Dilution
21	CCV14	CCV14	CCV	10/14/24 12:10		Mohan	OK
22	CCB14	CCB14	CCB	10/14/24 12:13		Mohan	OK
23	P4364-05	SB-02-2.0-2.5	SAM	10/14/24 12:15	High	Mohan	Dilution
24	P4364-06	SB-02-4.5-5.0	SAM	10/14/24 12:17	High	Mohan	Dilution
25	P4364-07	SB-03-0.167-0.667	SAM	10/14/24 12:20	High	Mohan	Dilution
26	P4364-08	SB-03-2.0-2.5	SAM	10/14/24 12:22		Mohan	OK
27	P4364-09	SB-03-4.167-4.667	SAM	10/14/24 12:25		Mohan	OK
28	P4364-10	SB-04-0.167-0.667	SAM	10/14/24 12:27	High	Mohan	Dilution
29	P4364-11	SB-04-2.0-2.5	SAM	10/14/24 12:29		Mohan	OK
30	P4364-12	SB-04-4.5-5.0	SAM	10/14/24 12:32		Mohan	OK
31	P4364-13	SB-05-0.167-0.667	SAM	10/14/24 12:34		Mohan	OK
32	P4364-14	SB-06-0.167-0.667	SAM	10/14/24 12:37		Mohan	OK
33	CCV15	CCV15	CCV	10/14/24 12:39		Mohan	OK
34	CCB15	CCB15	CCB	10/14/24 12:41		Mohan	OK
35	P4364-15	SB-07-0.167-0.667	SAM	10/14/24 12:43		Mohan	OK
36	P4364-16	SB-08-0.167-0.667	SAM	10/14/24 12:46		Mohan	OK
37	P4364-16DUP	SB-08-0.167-0.667DUP	DUP	10/14/24 12:48		Mohan	OK
38	P4364-16MS	SB-08-0.167-0.667MS	MS	10/14/24 12:53		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770		
ICV Standard	MP82771		
CCV Standard	MP82773		
ICSA Standard			
CRI Standard	MP82775		
LCS Standard			
Chk Standard	MP82772,MP82774,MP82776,MP82781		

39	P4364-16MSD	SB-08-0.167-0.667MS	MSD	10/14/24 12:55		Mohan	OK
40	P4376-01	OR-02-100924	SAM	10/14/24 12:58		Mohan	OK
41	P4377-01	HD-01-100924	SAM	10/14/24 13:00		Mohan	OK
42	PB164117BL	PB164117BL	MB	10/14/24 13:02		Mohan	OK
43	PB164117BS	PB164117BS	LCS	10/14/24 13:05		Mohan	OK
44	P4375-01	CONCRETE-PADS-1	SAM	10/14/24 13:07		Mohan	OK
45	CCV16	CCV16	CCV	10/14/24 13:09		Mohan	OK
46	CCB16	CCB16	CCB	10/14/24 13:12		Mohan	OK
47	P4375-01DUP	CONCRETE-PADS-1	DUP	10/14/24 13:14		Mohan	OK
48	P4375-01MS	CONCRETE-PADS-1	MS	10/14/24 13:16		Mohan	OK
49	P4375-01MSD	CONCRETE-PADS-1	MSD	10/14/24 13:18		Mohan	OK
50	P4375-03	CONCRETE-PADS-2	SAM	10/14/24 13:21		Mohan	OK
51	P4375-05	CONCRETE-PADS-3	SAM	10/14/24 13:23		Mohan	OK
52	P4375-07	CONCRETE-PADS-4	SAM	10/14/24 13:25		Mohan	OK
53	P4375-09	CONCRETE-PADS-5	SAM	10/14/24 13:28		Mohan	OK
54	P4375-11	CONCRETE-PADS-6	SAM	10/14/24 13:30		Mohan	OK
55	P4375-13	CONCRETE-PADS-7	SAM	10/14/24 13:32		Mohan	OK
56	P4375-15	CONCRETE-PADS-8	SAM	10/14/24 13:34		Mohan	OK
57	CCV17	CCV17	CCV	10/14/24 13:37		Mohan	OK
58	CCB17	CCB17	CCB	10/14/24 13:39		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM

STD. NAME	STD REF.#
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770
ICV Standard	MP82771
CCV Standard	MP82773
ICSA Standard	
CRI Standard	MP82775
LCS Standard	
Chk Standard	MP82772,MP82774,MP82776,MP82781

59	P4375-17	CONCRETE-PADS-9	SAM	10/14/24 13:41		Mohan	OK
60	P4375-19	CONCRETE-PADS-10	SAM	10/14/24 13:43		Mohan	OK
61	P4375-21	CONCRETE-PADS-11	SAM	10/14/24 13:46		Mohan	OK
62	P4375-23	FENCE-POST-1	SAM	10/14/24 13:48		Mohan	OK
63	P4375-25	FENCE-POST-2	SAM	10/14/24 13:50		Mohan	OK
64	P4375-27	FENCE-POST-3	SAM	10/14/24 13:52		Mohan	OK
65	PB164118BL	PB164118BL	MB	10/14/24 13:55		Mohan	OK
66	PB164118BS	PB164118BS	LCS	10/14/24 13:57		Mohan	OK
67	P4385-02	SP-1	SAM	10/14/24 13:59		Mohan	OK
68	P4385-04	SP-2	SAM	10/14/24 14:02		Mohan	OK
69	CCV18	CCV18	CCV	10/14/24 14:04		Mohan	OK
70	CCB18	CCB18	CCB	10/14/24 14:06		Mohan	OK
71	P4385-06	SP-3	SAM	10/14/24 14:08		Mohan	OK
72	P4385-08	SP-4	SAM	10/14/24 14:11		Mohan	OK
73	P4385-10	SP-5	SAM	10/14/24 14:13		Mohan	OK
74	P4385-12	SP-6	SAM	10/14/24 14:15		Mohan	OK
75	P4385-14	SP-7	SAM	10/14/24 14:18		Mohan	OK
76	P4385-16	SP-8	SAM	10/14/24 14:20		Mohan	OK
77	P4385-18	SP-9	SAM	10/14/24 14:22		Mohan	OK
78	P4385-20	SP-10	SAM	10/14/24 14:24		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM

STD. NAME	STD REF.#
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770
ICV Standard	MP82771
CCV Standard	MP82773
ICSA Standard	
CRI Standard	MP82775
LCS Standard	
Chk Standard	MP82772,MP82774,MP82776,MP82781

79	P4385-20DUP	SP-10DUP	DUP	10/14/24 14:27		Mohan	OK
80	P4385-20MS	SP-10MS	MS	10/14/24 14:29		Mohan	OK
81	CCV19	CCV19	CCV	10/14/24 14:31		Mohan	OK
82	CCB19	CCB19	CCB	10/14/24 14:34		Mohan	OK
83	P4385-20MSD	SP-10MSD	MSD	10/14/24 14:36		Mohan	OK
84	P4393-01	BUST-DEBRIS	SAM	10/14/24 14:38		Mohan	OK
85	P4394-01	WASH-DEBRIS	SAM	10/14/24 14:41		Mohan	OK
86	P4395-01	F05308-SOLID	SAM	10/14/24 14:43		Mohan	OK
87	P4364-16L	SB-08-0.167-0.667L	SD	10/14/24 14:45		Mohan	OK
88	P4364-16A	SB-08-0.167-0.667A	PS	10/14/24 14:47		Mohan	OK
89	P4375-01L	CONCRETE-PADS-1L	SD	10/14/24 14:50		Mohan	OK
90	P4375-01A	CONCRETE-PADS-1A	PS	10/14/24 14:52		Mohan	OK
91	P4385-20L	SP-10L	SD	10/14/24 14:54		Mohan	OK
92	P4385-20A	SP-10A	PS	10/14/24 14:57		Mohan	OK
93	CCV20	CCV20	CCV	10/14/24 14:59		Mohan	OK
94	CCB20	CCB20	CCB	10/14/24 15:01		Mohan	OK
95	P4364-04DL	SB-02-0.167-0.667DL	SAM	10/14/24 15:04	Report 2X	Mohan	Confirms
96	P4364-05DL	SB-02-2.0-2.5DL	SAM	10/14/24 15:06	Report 2X	Mohan	Confirms
97	P4364-06DL	SB-02-4.5-5.0DL	SAM	10/14/24 15:08	Report 5X	Mohan	Confirms
98	P4364-07DL	SB-03-0.167-0.667DL	SAM	10/14/24 15:10	Report 2X	Mohan	Confirms

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB132914

Review By	jaswal	Review On	10/14/2024 10:26:20 PM
Supervise By	mohan	Supervise On	10/14/2024 10:27:01 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82765,MP82766,MP82767,MP82768,MP82769,MP82770		
ICV Standard	MP82771		
CCV Standard	MP82773		
ICSA Standard			
CRI Standard	MP82775		
LCS Standard			
Chk Standard	MP82772,MP82774,MP82776,MP82781		

99	P4364-10DL	SB-04-0.167-0.667DL	SAM	10/14/24 15:13	Report 2X	Mohan	Confirms
100	CCV21	CCV21	CCV	10/14/24 15:15		Mohan	OK
101	CCB21	CCB21	CCB	10/14/24 15:17		Mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132927

Review By	jaswal	Review On	10/21/2024 1:52:41 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:36 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82484		
LCS Standard			
Chk Standard	MP82491,MP82492		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/14/24 13:40		Kareem	OK
2	S1	S1	CAL2	10/14/24 13:45		Kareem	OK
3	S2	S2	CAL3	10/14/24 13:49		Kareem	OK
4	S3	S3	CAL4	10/14/24 13:53		Kareem	OK
5	S4	S4	CAL5	10/14/24 13:57		Kareem	OK
6	S5	S5	CAL6	10/14/24 14:02		Kareem	OK
7	ICV01	ICV01	ICV	10/14/24 14:06		Kareem	OK
8	LLICV01	LLICV01	LLICV	10/14/24 14:18		Kareem	OK
9	ICB01	ICB01	ICB	10/14/24 14:23		Kareem	OK
10	CRI01	CRI01	CRDL	10/14/24 14:27		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/14/24 14:32		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/14/24 14:39		Kareem	OK
13	CCV01	CCV01	CCV	10/14/24 14:43		Kareem	OK
14	CCB01	CCB01	CCB	10/14/24 14:47		Kareem	OK
15	LR1	LR1	HIGH STD	10/14/24 14:53		Kareem	OK
16	LR2	LR2	HIGH STD	10/14/24 14:58		Kareem	OK
17	P4258-03	Chamberlain Ave	SAM	10/14/24 15:05		Kareem	OK
18	CCV02	CCV02	CCV	10/14/24 15:09		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132927

Review By	jaswal	Review On	10/21/2024 1:52:41 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:36 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82484		
LCS Standard			
Chk Standard	MP82491,MP82492		

19	CCB02	CCB02	CCB	10/14/24 15:13		Kareem	OK
20	P4354-01	291551	SAM	10/14/24 15:19		Kareem	OK
21	P4354-01DUP	291551DUP	DUP	10/14/24 15:24		Kareem	OK
22	P4354-01L	291551L	SD	10/14/24 15:28		Kareem	OK
23	P4354-01MS	291551MS	MS	10/14/24 15:32		Kareem	OK
24	P4354-01MSD	291551MSD	MSD	10/14/24 15:37		Kareem	OK
25	P4354-01A	291551A	PS	10/14/24 15:41		Kareem	OK
26	P4375-02	CONCRETE-PADS-1	SAM	10/14/24 15:54		Kareem	OK
27	P4375-04	CONCRETE-PADS-2	SAM	10/14/24 15:58		Kareem	OK
28	CCV03	CCV03	CCV	10/14/24 16:03		Kareem	OK
29	CCB03	CCB03	CCB	10/14/24 16:07		Kareem	OK
30	P4375-06	CONCRETE-PADS-3	SAM	10/14/24 16:21		Kareem	OK
31	P4375-08	CONCRETE-PADS-4	SAM	10/14/24 16:26		Kareem	OK
32	P4375-10	CONCRETE-PADS-5	SAM	10/14/24 16:30		Kareem	OK
33	P4375-12	CONCRETE-PADS-6	SAM	10/14/24 16:35		Kareem	OK
34	P4375-14	CONCRETE-PADS-7	SAM	10/14/24 16:39		Kareem	OK
35	P4375-16	CONCRETE-PADS-8	SAM	10/14/24 16:44		Kareem	OK
36	P4375-18	CONCRETE-PADS-9	SAM	10/14/24 16:48		Kareem	OK
37	P4375-20	CONCRETE-PADS-10	SAM	10/14/24 16:53		Kareem	OK
38	P4375-22	CONCRETE-PADS-11	SAM	10/14/24 16:57		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132927

Review By	jaswal	Review On	10/21/2024 1:52:41 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

39	P4375-24	FENCE-POST-1	SAM	10/14/24 17:02		Kareem	OK
40	CCV04	CCV04	CCV	10/14/24 17:06		Kareem	OK
41	CCB04	CCB04	CCB	10/14/24 17:11		Kareem	OK
42	P4375-26	FENCE-POST-2	SAM	10/14/24 17:15		Kareem	OK
43	P4375-28	FENCE-POST-3	SAM	10/14/24 17:21		Kareem	OK
44	P4375-28DUP	FENCE-POST-3DUP	DUP	10/14/24 17:26		Kareem	OK
45	P4375-28L	FENCE-POST-3L	SD	10/14/24 17:30		Kareem	OK
46	P4375-28MS	FENCE-POST-3MS	MS	10/14/24 17:34		Kareem	OK
47	P4375-28MSD	FENCE-POST-3MSD	MSD	10/14/24 17:39		Kareem	OK
48	P4375-28A	FENCE-POST-3A	PS	10/14/24 17:43		Kareem	OK
49	PB164021TB	PB164021TB	MB	10/14/24 17:47		Kareem	OK
50	PB164077BL	PB164077BL	MB	10/14/24 17:52		Kareem	OK
51	PB164077BS	PB164077BS	LCS	10/14/24 17:56		Kareem	OK
52	CCV05	CCV05	CCV	10/14/24 18:00		Kareem	OK
53	CCB05	CCB05	CCB	10/14/24 18:04		Kareem	OK
54	PB164010TB	PB164010TB	MB	10/14/24 18:08		Kareem	OK
55	P4393-01	BUST-DEBRIS	SAM	10/14/24 18:13		Kareem	OK
56	P4393-01DUP	BUST-DEBRISDUP	DUP	10/14/24 18:17		Kareem	OK
57	P4393-01L	BUST-DEBRISL	SD	10/14/24 18:22		Kareem	OK
58	P4393-01MS	BUST-DEBRISMS	MS	10/14/24 18:26		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132927

Review By	jaswal	Review On	10/21/2024 1:52:41 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:36 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82484		
LCS Standard			
Chk Standard	MP82491,MP82492		

59	P4393-01MSD	BUST-DEBRISMSD	MSD	10/14/24 18:30		Kareem	OK
60	P4393-01A	BUST-DEBRISA	PS	10/14/24 18:34		Kareem	OK
61	P4394-01	WASH-DEBRIS	SAM	10/14/24 18:38		Kareem	OK
62	P4395-01	F05308-SOLID	SAM	10/14/24 18:42		Kareem	OK
63	PB164106BL	PB164106BL	MB	10/14/24 18:46		Kareem	OK
64	CCV06	CCV06	CCV	10/14/24 18:51		Kareem	OK
65	CCB06	CCB06	CCB	10/14/24 18:55		Kareem	OK
66	PB164106BS	PB164106BS	LCS	10/14/24 18:59		Kareem	OK
67	PB163999BL	PB163999BL	MB	10/14/24 19:03		Kareem	OK
68	PB163999BS	PB163999BS	LCS	10/14/24 19:07		Kareem	OK
69	CCV07	CCV07	CCV	10/14/24 19:11		Kareem	OK
70	CCB07	CCB07	CCB	10/14/24 19:15		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132951

Review By	jaswal	Review On	10/21/2024 1:52:32 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:55 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82484		
LCS Standard			
Chk Standard	MP82491,MP82492		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/15/24 10:42		Kareem	OK
2	S1	S1	CAL2	10/15/24 10:47		Kareem	OK
3	S2	S2	CAL3	10/15/24 10:51		Kareem	OK
4	S3	S3	CAL4	10/15/24 10:55		Kareem	OK
5	S4	S4	CAL5	10/15/24 10:59		Kareem	OK
6	S5	S5	CAL6	10/15/24 11:03		Kareem	OK
7	ICV01	ICV01	ICV	10/15/24 11:24		Kareem	OK
8	LLICV01	LLICV01	LLICV	10/15/24 11:37		Kareem	OK
9	ICB01	ICB01	ICB	10/15/24 11:41		Kareem	OK
10	CRI01	CRI01	CRDL	10/15/24 11:46		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/15/24 11:50		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/15/24 12:03		Kareem	OK
13	ICSADL	ICSADL	ICSA	10/15/24 12:10		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	10/15/24 12:20		Kareem	OK
15	CCV01	CCV01	CCV	10/15/24 12:26		Kareem	OK
16	CCB01	CCB01	CCB	10/15/24 12:30		Kareem	OK
17	LR1	LR1	HIGH STD	10/15/24 12:34		Kareem	OK
18	LR2	LR2	HIGH STD	10/15/24 12:39		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132951

Review By	jaswal	Review On	10/21/2024 1:52:32 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

19	P4271-07DL	14B-(1-4)-COMPDL	SAM	10/15/24 12:52	NOT USE	Kareem	Not Ok
20	P4271-07DL2	14B-(1-4)-COMPDL2	SAM	10/15/24 13:02	10x for Mn	Kareem	Confirms
21	PB164065BS	PB164065BS	LCS	10/15/24 13:06		Kareem	OK
22	P4385-18	SP-9	SAM	10/15/24 13:10		Kareem	OK
23	P4385-20	SP-10	SAM	10/15/24 13:14	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
24	P4385-20DUP	SP-10DUP	DUP	10/15/24 13:18	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
25	CCV02	CCV02	CCV	10/15/24 13:23		Kareem	OK
26	CCB02	CCB02	CCB	10/15/24 13:27		Kareem	OK
27	P4385-20L	SP-10L	SD	10/15/24 13:31	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
28	P4385-20MS	SP-10MS	MS	10/15/24 13:35	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
29	P4385-20MSD	SP-10MSD	MSD	10/15/24 13:39	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
30	P4385-20A	SP-10A	PS	10/15/24 13:43	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
31	CCV03	CCV03	CCV	10/15/24 14:07		Kareem	OK
32	CCB03	CCB03	CCB	10/15/24 14:11		Kareem	OK
33	PB164065BL	PB164065BL	MB	10/15/24 14:26		Kareem	OK
34	P4382-01	DECON-DRUM	SAM	10/15/24 14:30		Kareem	OK
35	CCV04	CCV04	CCV	10/15/24 14:35		Kareem	OK
36	CCB04	CCB04	CCB	10/15/24 14:39		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132951

Review By	jaswal	Review On	10/21/2024 1:52:32 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

37	P4385-02	SP-1	SAM	10/15/24 14:43		Kareem	OK
38	P4385-04	SP-2	SAM	10/15/24 14:48		Kareem	OK
39	P4385-06	SP-3	SAM	10/15/24 14:52		Kareem	OK
40	P4385-08	SP-4	SAM	10/15/24 14:56		Kareem	OK
41	P4385-10	SP-5	SAM	10/15/24 15:01		Kareem	OK
42	P4385-12	SP-6	SAM	10/15/24 15:05		Kareem	OK
43	P4385-14	SP-7	SAM	10/15/24 15:09		Kareem	OK
44	P4385-16	SP-8	SAM	10/15/24 15:13		Kareem	OK
45	P4370-02	COMP	SAM	10/15/24 15:18		Kareem	OK
46	P4396-01	WASTE-WATER-FRA	SAM	10/15/24 15:22		Kareem	OK
47	CCV05	CCV05	CCV	10/15/24 15:26		Kareem	OK
48	CCB05	CCB05	CCB	10/15/24 15:30		Kareem	OK
49	P4396-01DUP	WASTE-WATER-FRA	DUP	10/15/24 15:35		Kareem	OK
50	P4396-01L	WASTE-WATER-FRA	SD	10/15/24 15:39		Kareem	OK
51	P4396-01MS	WASTE-WATER-FRA	MS	10/15/24 15:43		Kareem	OK
52	P4396-01MSD	WASTE-WATER-FRA	MSD	10/15/24 15:47		Kareem	OK
53	P4396-01A	WASTE-WATER-FRA	PS	10/15/24 15:51		Kareem	OK
54	PB164099BL	PB164099BL	MB	10/15/24 15:55		Kareem	OK
55	PB164099BS	PB164099BS	LCS	10/15/24 15:59		Kareem	OK
56	P4364-01	SB-01-1.0-1.5	SAM	10/15/24 16:03		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132951

Review By	jaswal	Review On	10/21/2024 1:52:32 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82484
LCS Standard	
Chk Standard	MP82491,MP82492

57	P4364-02	SB-01-2.5-3.0	SAM	10/15/24 16:08		Kareem	OK
58	P4364-03	SB-01-4.25-4.83	SAM	10/15/24 16:13		Kareem	OK
59	CCV06	CCV06	CCV	10/15/24 16:17		Kareem	OK
60	CCB06	CCB06	CCB	10/15/24 16:21		Kareem	OK
61	P4400-01	NB-08-101424	SAM	10/15/24 16:26	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
62	P4400-01DUP	NB-08-101424DUP	DUP	10/15/24 16:30	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
63	P4400-01L	NB-08-101424L	SD	10/15/24 16:34	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
64	P4400-01MS	NB-08-101424MS	MS	10/15/24 16:39	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
65	P4400-01MSD	NB-08-101424MSD	MSD	10/15/24 16:43	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
66	P4400-01A	NB-08-101424A	PS	10/15/24 16:47	MS/MSD fail for more than 50% parameters	Kareem	Not Ok
67	P4364-04	SB-02-0.167-0.667	SAM	10/15/24 16:52		Kareem	OK
68	P4364-05	SB-02-2.0-2.5	SAM	10/15/24 16:56		Kareem	OK
69	P4364-06	SB-02-4.5-5.0	SAM	10/15/24 17:01		Kareem	OK
70	P4364-07	SB-03-0.167-0.667	SAM	10/15/24 17:05		Kareem	OK
71	CCV07	CCV07	CCV	10/15/24 17:14		Kareem	OK
72	CCB07	CCB07	CCB	10/15/24 17:18		Kareem	OK
73	P4364-08	SB-03-2.0-2.5	SAM	10/15/24 17:23		Kareem	OK
74	P4364-09	SB-03-4.167-4.667	SAM	10/15/24 17:27		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132951

Review By	jaswal	Review On	10/21/2024 1:52:32 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:55 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82484		
LCS Standard			
Chk Standard	MP82491,MP82492		

75	P4364-10	SB-04-0.167-0.667	SAM	10/15/24 17:31		Kareem	OK
76	P4364-11	SB-04-2.0-2.5	SAM	10/15/24 17:36	Not used	Kareem	Not Ok
77	P4364-12	SB-04-4.5-5.0	SAM	10/15/24 17:41		Kareem	OK
78	P4364-13	SB-05-0.167-0.667	SAM	10/15/24 17:45	Ca high	Kareem	Dilution
79	CCV08	CCV08	CCV	10/15/24 17:49		Kareem	OK
80	CCB08	CCB08	CCB	10/15/24 17:53		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133014

Review By	jaswal	Review On	10/21/2024 1:53:28 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:16 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82484		
LCS Standard			
Chk Standard	MP82491,MP82492		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/18/24 12:03		Kareem	OK
2	S1	S1	CAL2	10/18/24 12:07		Kareem	OK
3	S2	S2	CAL3	10/18/24 12:12		Kareem	OK
4	S3	S3	CAL4	10/18/24 12:16		Kareem	OK
5	S4	S4	CAL5	10/18/24 12:20		Kareem	OK
6	S5	S5	CAL6	10/18/24 12:24		Kareem	OK
7	ICV01	ICV01	ICV	10/18/24 13:08	ICV fail for Al,Cr,Cu,Ag,Tl,Zn (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	10/18/24 13:13		Kareem	OK
9	ICB01	ICB01	ICB	10/18/24 13:23		Kareem	OK
10	CRI01	CRI01	CRDL	10/18/24 13:27		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/18/24 13:32		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/18/24 13:56		Kareem	OK
13	CCV01	CCV01	CCV	10/18/24 14:00		Kareem	OK
14	CCB01	CCB01	CCB	10/18/24 14:05		Kareem	OK
15	P3846-05DL	PT-MIN2-WPDL	SAM	10/18/24 14:19	2x for Ca,Na	Kareem	Confirms
16	P3847-05DL	PT-MIN2-WPDL	SAM	10/18/24 14:49	2x for Ca,Na	Kareem	Confirms
17	CCV02	CCV02	CCV	10/18/24 14:53		Kareem	OK
18	CCB02	CCB02	CCB	10/18/24 14:57		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133014

Review By	jaswal	Review On	10/21/2024 1:53:28 AM
Supervise By	mohan	Supervise On	10/21/2024 1:54:16 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82484		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82484		
LCS Standard			
Chk Standard	MP82491,MP82492		

19	LR1	LR1	HIGH STD	10/18/24 15:02		Kareem	OK
20	LR2	LR2	HIGH STD	10/18/24 15:07		Kareem	OK
21	P4385-20	SP-10	SAM	10/18/24 15:11		Kareem	OK
22	P4385-20DUP	SP-10DUP	DUP	10/18/24 15:16		Kareem	OK
23	P4385-20L	SP-10L	SD	10/18/24 15:20		Kareem	OK
24	P4385-20MS	SP-10MS	MS	10/18/24 15:24		Kareem	OK
25	P4385-20MSD	SP-10MSD	MSD	10/18/24 15:28		Kareem	OK
26	P4385-20A	SP-10A	PS	10/18/24 15:32		Kareem	OK
27	CCV03	CCV03	CCV	10/18/24 16:05		Kareem	OK
28	CCB03	CCB03	CCB	10/18/24 16:39		Kareem	OK
29	P4405-01DL	MH-121DL	SAM	10/18/24 16:43	5x for Na	Kareem	Confirms
30	P4421-01	EO-02-101624	SAM	10/18/24 17:15	NOT USE	Kareem	Not Ok
31	P4422-01	EO-01-101624	SAM	10/18/24 17:19	NOT USE	Kareem	Not Ok
32	P4431-01	72-11934	SAM	10/18/24 17:23	NOT USE	Kareem	Not Ok
33	CCV04	CCV04	CCV	10/18/24 17:28	CCV fail for Fe,Mg,Mn	Kareem	OK
34	CCB04	CCB04	CCB	10/18/24 17:32		Kareem	OK

Prep Standard - Chemical Standard Summary

Order ID : P4258

Test : Mercury, Metals ICP-TAL

Prepbatch ID : PB164065, PB164114,

Sequence ID/Qc Batch ID: LB132914, LB132927, LB132951, LB133014,

Standard ID :

MP81119, MP82764, MP82765, MP82766, MP82767, MP82768, MP82769, MP82770, MP82771, MP82772, MP82773, MP82774, MP82775, MP82776, MP82781,

Chemical ID :

M5062, M5585, M5634, M5882, M5935, M5953, M6000, M6009, M6040, M6083, W2606, W3112,



<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	MP81119	06/21/2024	10/24/2024	Al-Terek Isaac	METALS_SCALE_2 (M SC-2)	METALS_PIPETTE_1 (ICP)	Sarabjit Jaswal
FROM 1250.00000ml of M5935 + 1250.00000ml of W2606 = Final Quantity: 2500.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
871	MERCURY INTERMEDIATE B 250PPB WORKING STD.	MP82764	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/14/2024
<u>FROM</u>	1.00000ml of M6083 + 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	MP82765	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal
FROM 2.50000ml of M6083 + 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	MP82766	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/14/2024
<u>FROM</u>	2.50000ml of M6083 + 247.30000ml of W3112 + 0.20000ml of MP82764 = 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	MP82767	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal 10/14/2024
FROM 2.50000ml of M6083 + 245.00000ml of W3112 + 2.50000ml of MP82764 = 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	MP82768	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/14/2024
<u>FROM</u>	2.50000ml of M6083 + 242.50000ml of W3112 + 5.00000ml of MP82764 = 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	MP82769	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal
FROM 2.50000ml of M6083 + 240.00000ml of W3112 + 7.50000ml of MP82764 = 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	MP82770	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal
FROM 2.50000ml of M6083 + 237.50000ml of W3112 + 10.00000ml of MP82764 = 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	MP82771	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal 10/14/2024
<u>FROM</u>	2.50000ml of M5953 + 2.50000ml of M6083 + 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)	MP82772	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HGA)	Sarabjit Jaswal 10/14/2024
<u>FROM</u>	2.50000ml of M6083 + 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)	MP82773	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 10/14/2024
<u>FROM</u> 485.00000ml of W3112 + 5.00000ml of M6083 + 10.00000ml of MP82764 = 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)	MP82774	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG A)	Sarabjit Jaswal 10/14/2024
<u>FROM</u> 495.00000ml of W3112 + 5.00000ml of M6083 = 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)	MP82775	10/11/2024	10/12/2024	Mohan Bera	None	METALS_PIPETTE_5 (HG)	Sarabjit Jaswal 10/14/2024
FROM 2.50000ml of M6083 + 247.30000ml of W3112 + 0.20000ml of MP82764 = Final Quantity: 250.000 ml 								

[illegible]

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
68	STANNOUS CHLORIDE SOLUTION	MP82781	10/14/2024	10/15/2024	Mohan Bera	METALS_SCALE_3 (M SC-3)	None	Sarabjit Jaswal 10/14/2024
<u>FROM</u> 450.00000ml of W3112 + 50.00000gram of M5882 + 50.00000ml of M6040 = Final Quantity: 500.000 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 #
PCI Scientific Supply, Inc.	26397-103 / PTFE BOILING STONES	W126678	02/28/2025	01/20/2024 /	06/12/2023 / jaswal	M5585

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	1403 / Hydrogen Peroxide, 30% 1 gal	820803	02/03/2025	04/18/2024 /	08/03/2022 / Al-Terek	M5634

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 #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	12/08/2024	06/21/2024 / Al-Terek	06/07/2024 / Al-Terek	M5935

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

CHEMICAL RECEIPT LOG BOOK

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)	24D1562005	02/08/2025	08/09/2024 / Janvi	08/01/2024 / Janvi	M6040

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	03/25/2029	10/06/2024 / Janvi	09/02/2024 / Janvi	M6083

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

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 / lwona	07/03/2024 / lwona	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; inorganicventures.com; info@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



300 Technology Drive
 Christiansburg, VA 24073 USA
 inorganicventures.com

P: 800-669-6799/540-585-3030
 F: 540-585-3012
 info@inorganicventures.com

MS062
 MS063
 MB

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





MATERIAL CERTIFICATE OF COMPLIANCE

DATE: JUNE 12, 2023

CUSTOMER: PCI SCIENTIFIC SUPPLY, INC

PURCHASE ORDER NO. 6054931

CATALOG NO. BOI5021-450L

PRODUCT DESCRIPTION: BOILING STONES, TFE, 454GMS

QUANTITY: 10 EACH

LOT NO. W126678

SPECIFICATION (S): Made from Virgin PTFE Resin

We certify that we have complied with the terms and conditions of the above Purchase Order and the Part Specifications in the manufacturing of the above product.



Laura Valencia
Quality Assurance Inspector

F:\J:\LCP\PCISCI\COC-55118-BOI5021-061223

CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

CERTIFICATE OF ANALYSIS

Date: 8/3/2022

MS631 MS632 MS633 MS634

Lot No 820803

Hydrogen Peroxide, ACS
Reagent Grade

<u>TEST</u>	<u>MAXIMUM LIMITS</u>	<u>RESULT</u>
Appearance	Colorless and free from suspended matter or sediment	Pass
Assay	29-32%	31.4%
Color (APHA)	10	5
Residue after Evaporation	0.002%	.0001%
Titratable Acid	0.0006 meq/g	< .0006 meq/g
Chloride (Cl)	2 ppm	< 1 ppm
Nitrate (NO ₃)	2 ppm	< 1 ppm
Phosphate	2 ppm	< 1 ppm
Sulfate (SO ₄)	5 ppm	< .5 ppm
Ammonium (NH ₄)	5 ppm	< 1 ppm
Heavy Metals (as Pb)	1 ppm	< .1 ppm
Iron (Fe)	0.5 ppm	< .1 ppm
Sodium Stannate	200 – 300 ppb	Pass

***Our Hydrogen Peroxide is considered un-stabilized because it is very slightly stabilized with Sodium Stannate, 500 ppb maximum, just for safety purposes.

Date of MFG: 8/2022

Retest date: 8/2024

Gina M. Rambo
Office Manager



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

 **avantor™**



Material No.: 9530-33
Batch No.: 24D1562005
Manufactured Date: 2024-03-18
Retest Date: 2029-03-17
Revision No.: 0

Received! — 08/01/2024
pater
m6039
m6040

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	1.192
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	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	2.2 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	31.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	0.2 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	3 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

 **avantorsm**



Material No.: 9530-33
Batch No.: 24D1562005

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.2 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	0.2 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 1.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.0 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	< 0.4 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	< 0.2 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.: 24D1562005

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 Croak
Director Quality Operations, Bioscience Production

Nitric Acid 69%
CMOS

avantor™



Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

R: 9/2/24

Certificate of Analysis

M6080, M6081, M6082, M6083, M6084

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

 **avantor™**



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. P4258/P4261
QUOTE NO.
COC Number 2041986

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Roman E&G
ADDRESS: 14 Ogden St
CITY: Newark STATE: NJ ZIP: 07104
ATTENTION: Sonny Puzzo
PHONE: 973-482-1123 FAX: 973-482-7154

CLIENT PROJECT INFORMATION

PROJECT NAME: Perth Amboy Wastewater
PROJECT NO.: 24-651 LOCATION: Perth Amboy
PROJECT MANAGER: Mark Matthews
e-mail: engineer@romaneq.com
PHONE: 973-482-1123 FAX: 973-482-7154

CLIENT BILLING INFORMATION

BILL TO: Roman E&G PO#: 24-651
ADDRESS: 14 Ogden St
CITY: Newark STATE: NJ ZIP: 07104
ATTENTION: Frank PHONE: 973-482-1123

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 6 10/17 DAYS*
HARDCOPY (DATA PACKAGE): 6 10/17 DAYS*
EDD: 6 10/17 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 NJ-DEP-SRS

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	<u>Chamberlin Ave</u> ↓	<u>S</u>		<u>X</u>	<u>10/1</u>	<u>11:45</u>	<u>1</u>										
2.		<u>S</u>		<u>X</u>	<u>10/1</u>	<u>11:45</u>	<u>1</u>										
3.		<u>S</u>		<u>X</u>	<u>10/1</u>	<u>11:45</u>	<u>1</u>										
4.		<u>S</u>		<u>X</u>	<u>10/1</u>	<u>11:45</u>	<u>1</u>										
5.		<u>S</u>		<u>X</u>	<u>10/1</u>	<u>11:45</u>	<u>1</u>										
6.		<u>S</u>		<u>X</u>	<u>10/1</u>	<u>11:45</u>	<u>1</u>										
7.		<u>S</u>		<u>X</u>	<u>10/1</u>	<u>11:45</u>	<u>1</u>										
8.		<u>S</u>		<u>X</u>	<u>10/1</u>	<u>11:45</u>	<u>1</u>										
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <u>Sonny Puzzo</u>	DATE/TIME: <u>10/1 12:54</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>22.1 °C</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY:	Comments: <u>If Am # 1</u>
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY:	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

Test Group	Analyses	Matrix	Method
METALS-TAL	Mercury	Water	7470A
	TAL ICP Metals	Water	6010D
RCRA CHARACTERIS	Flash Point	Water	1010B
	pH	Water	9040C
	Reactive Cyanide	Water	9012B
	Reactive Sulfide	Water	9034
TCLP METALS	TCLP Extraction	Water	1311
	TCLP ICP Metals	Water	6010D
	TCLP Mercury	Water	7470A
GROWS Concrete	Ammonia	Solid	SM4500-NH3
	Chemical Oxygen Demar	Solid	SM5220 D
	Oil & Grease	Solid	1664A
	Paint Filter Test	Solid	9095B
	PCBs	Solid	8082A
	Percent Solids	Solid	Chemtech -SOP
	pH	Solid	9045D
	Total Solids	Solid	SM2540 B
	Total Volatile Solids	Solid	160.4
GROWS Concrete AS	ASTM Leachate/ Ammon	Solid	SM4500-NH3
	ASTM Leachate/COD	Solid	SM5220 D
	ASTM Leachate Extracti	Solid	ASTM
	ASTM Leachate/Oil & Gr	Solid	1664A
	ASTM Leachate/Total Sol	Solid	SM2540 B
GROWS Concrete-Wa	Corrosivity	Solid	9045D
	Ignitability	Solid	1030
	Reactive Cyanide	Solid	9012B
	Reactive Sulfide	Solid	9034
	TCLP Semivolatiles	Solid	8270E
	TCLP Extraction	Solid	1311
	TCLP Herbicides	Solid	8151A
	TCLP Mercury	Solid	7470A
	TCLP Metals + Cu+Ni+Zr	Solid	6010D
	TCLP Pesticides	Solid	8081B
	TCLP Volatiles	Solid	8260C
	TCLP ZHE Extraction	Solid	1311 ZHE
GROWS Soil	PCBs	Solid	8082A
	Percent Solids	Solid	Chemtech -SOP
	pH	Solid	9045D
	TCL Volatiles+10	Solid	8260D
GROWS Soil-Waste C	Corrosivity	Solid	9045D
	Ignitability	Solid	1030
	Reactive Cyanide	Solid	9012B
	Reactive Sulfide	Solid	9034
	TCLP Semivolatiles	Solid	8270E
	TCLP Extraction	Solid	1311
	TCLP Herbicides	Solid	8151A
	TCLP Mercury	Solid	7470A
	TCLP Metals + Cu+Ni+Zr	Solid	6010D
	TCLP Pesticides	Solid	8081B
	TCLP Volatiles	Solid	8260D
	TCLP ZHE Extraction	Solid	1311 ZHE

Grows Concrete

Grows Concrete ASTM

Grows Soil

Grows Soil-Waste Class

Seperate

Seperate

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Wednesday, October 2, 2024 11:07 AM
Subject: Re: Project: Perth Amboy Query

Good Morning Sonny,

I am reaching out to inform you that samples received for project were out of temperature range of -6.

It's a standard procedure to inform client, for documentation purposes.

Regards,



Kiran Saleem
Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Sonny Puzzo <spuzzo@romaneg.com>
Sent: Tuesday, October 1, 2024 3:16 PM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Subject: Re: Project: Perth Amboy Query

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Kiran,

Should be 24-651.

Thank you.

All the Best,

Sonny Puzzo
Project Coordinator

14 Ogden Street
Newark, NJ 07104
Office: (973) 482-1123 Ext:21
Fax: (973) 482-7154
Cell: (973) 803-6113

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, October 1, 2024 3:15 PM
To: Sonny Puzzo <spuzzo@romaneg.com>
Subject: Re: Project: Perth Amboy Query

Also, can you please clarify the PO# under 'Client Billing Information', I can't make out what the first digit is.

Regards,



Kiran Saleem
Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, October 1, 2024 2:35 PM
To: Sonny Puzzo <spuzzo@romaneg.com>
Subject: Re: Project: Perth Amboy Query

Thank you Sonny.

Regards,



Kiran Saleem
Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Sonny Puzzo <spuzzo@romaneg.com>
Sent: Tuesday, October 1, 2024 2:26 PM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Cc: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Subject: Re: Project: Perth Amboy Query

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Good Afternoon Kiran,

Roman would like the results of the test back by 10/7.

Sorry for the confusion... Thank you!

All the Best,

Sonny Puzzo

Project Coordinator

14 Ogden Street
Newark, NJ 07104
Office: (973) 482-1123 Ext:21
Fax: (973) 482-7154
Cell: (973) 803-6113
Veteran-Owned Business (NJ)

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>

Sent: Tuesday, October 1, 2024 2:19 PM

To: Sonny Puzzo <spuzzo@romaneg.com>

Cc: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>

Subject: Project: Perth Amboy Query

Hi Sonny,

I am reaching out to regarding the Turn around time (TAT) of the results, the fax required says 6 days and then 10/7 which is confusing.

If results are required on 10/7, then TAT would be 4 days. If results are required in 6 days, then you will have results on 10/9.

Please confirm ASAP. Attached COC for your review.

Thanks.

NOTE: Chemtech is now an Alliance Technical Group company. Please add [AllianceTG.com](https://www.alliancetg.com) to your safe senders list to ensure receipt of important emails.

Regards,



Kiran Saleem

Project Manager

An Alliance Technical Group Company

Main: 908-789-8900

Direct: 908-728-3148

Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092

www.alliancetg.com



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 (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488



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

LOGIN REPORT/SAMPLE TRANSFER

18,A,001
Q1218,024
Q863
RN
SS
D15
JE
R25,0
F100
GW0,0,102,121

Order ID : P4258 ROMA02
Client Name : Roman E&G Corp
Client Contact : Mark Mattheiss
Invoice Name : Roman E&G Corp
Invoice Contact : Mark Mattheiss

Order Date : 10/1/2024 1:21:00 PM
Project Name : Perth Amboy
Receive DateTime : 10/1/2024 12:54:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : Level 2 NJ Reduced
EDD Type : Excel NJ HAZ/Excel
Hard Copy Date :
Date Signoff : 10/1/2024 3:13:24 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4258-03	Chamberlain Ave	Solid	10/01/2024	11:45	VOC-TCLVOA-10	GROWS Soil	8260D		4 Bus. Days
P4258-04	Chamberlain Ave	Solid	10/01/2024	11:45	TCLP VOA	GROWS Soil-Waste Cla	8260C		4 Bus. Days

Relinquished By : 

Date / Time : 10-2-24 8:03

Received By : 

Date / Time : 10/02/24 8:03

Storage Area : VOA Refridgerator Room