

Cover Page

Order ID : Q2436

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2436-01
Q2436-02
Q2436-03
Q2436-04
Q2436-05
Q2436-06
Q2436-07
Q2436-08
Q2436-09
Q2436-10

Client Sample Number

TP-70
TP-69
TP-85
TP-86
TP-84
TP-83
TP-87
TP-100
TP-99
TP-82

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: 7/1/2025

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 #: Q2436

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PATEL VAISHALI

Date: 07/01/2025

LAB CHRONICLE

OrderID:	Q2436	OrderDate:	6/26/2025 3:41:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2436-01	TP-70	SOIL			06/25/25			06/26/25
			Mercury	7471B		06/27/25	06/30/25	
			Metals ICP-TAL	6010D		06/27/25	07/01/25	
Q2436-02	TP-69	SOIL			06/25/25			06/26/25
			Mercury	7471B		06/27/25	06/30/25	
			Metals ICP-TAL	6010D		06/27/25	07/01/25	
Q2436-03	TP-85	SOIL			06/25/25			06/26/25
			Mercury	7471B		06/27/25	06/30/25	
			Metals ICP-TAL	6010D		06/27/25	07/01/25	
Q2436-04	TP-86	SOIL			06/25/25			06/26/25
			Mercury	7471B		06/27/25	06/30/25	
			Metals ICP-TAL	6010D		06/27/25	07/01/25	
Q2436-05	TP-84	SOIL			06/25/25			06/26/25
			Mercury	7471B		06/27/25	06/30/25	
			Metals ICP-TAL	6010D		06/27/25	07/01/25	
Q2436-06	TP-83	SOIL			06/25/25			06/26/25
			Mercury	7471B		06/27/25	06/30/25	
			Metals ICP-TAL	6010D		06/27/25	07/01/25	
Q2436-07	TP-87	SOIL			06/26/25			06/26/25
			Mercury	7471B		06/27/25	06/30/25	
			Metals ICP-TAL	6010D		06/27/25	07/01/25	
Q2436-08	TP-100	SOIL			06/26/25			06/26/25
			Mercury	7471B		06/27/25	06/30/25	
			Metals ICP-TAL	6010D		06/27/25	07/01/25	
Q2436-09	TP-99	SOIL			06/26/25			06/26/25

LAB CHRONICLE

Q2436-10	TP-82	SOIL	Mercury	7471B		06/27/25	06/30/25
			Metals ICP-TAL	6010D		06/27/25	07/01/25
					06/26/25		06/26/25
			Mercury	7471B		06/27/25	06/30/25
			Metals ICP-TAL	6010D		06/27/25	07/01/25

Hit Summary Sheet SW-846

SDG No.: Q2436

Order ID: Q2436

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-70								
Q2436-01	TP-70	SOIL	Aluminum	8840		0.89	5.32	mg/Kg
Q2436-01	TP-70	SOIL	Arsenic	4.89		0.20	1.06	mg/Kg
Q2436-01	TP-70	SOIL	Barium	67.4		0.78	5.32	mg/Kg
Q2436-01	TP-70	SOIL	Beryllium	0.56		0.027	0.32	mg/Kg
Q2436-01	TP-70	SOIL	Calcium	318		11.8	106	mg/Kg
Q2436-01	TP-70	SOIL	Chromium	7.09		0.050	0.53	mg/Kg
Q2436-01	TP-70	SOIL	Cobalt	2.07		0.11	1.60	mg/Kg
Q2436-01	TP-70	SOIL	Copper	1.84		0.23	1.06	mg/Kg
Q2436-01	TP-70	SOIL	Iron	12400		4.24	5.32	mg/Kg
Q2436-01	TP-70	SOIL	Lead	5.95		0.14	0.64	mg/Kg
Q2436-01	TP-70	SOIL	Magnesium	203		12.8	106	mg/Kg
Q2436-01	TP-70	SOIL	Manganese	70.4		0.15	1.06	mg/Kg
Q2436-01	TP-70	SOIL	Nickel	3.08		0.14	2.13	mg/Kg
Q2436-01	TP-70	SOIL	Potassium	207		29.5	106	mg/Kg
Q2436-01	TP-70	SOIL	Selenium	2.88		0.28	1.06	mg/Kg
Q2436-01	TP-70	SOIL	Silver	0.56		0.13	0.53	mg/Kg
Q2436-01	TP-70	SOIL	Sodium	235		18.9	106	mg/Kg
Q2436-01	TP-70	SOIL	Vanadium	19.7		0.27	2.13	mg/Kg
Q2436-01	TP-70	SOIL	Zinc	8.13		0.25	2.13	mg/Kg
Client ID : TP-69								
Q2436-02	TP-69	SOIL	Aluminum	3120		0.83	4.92	mg/Kg
Q2436-02	TP-69	SOIL	Arsenic	5.74		0.19	0.98	mg/Kg
Q2436-02	TP-69	SOIL	Barium	5.63		0.72	4.92	mg/Kg
Q2436-02	TP-69	SOIL	Beryllium	0.35		0.025	0.30	mg/Kg
Q2436-02	TP-69	SOIL	Calcium	361		10.9	98.3	mg/Kg
Q2436-02	TP-69	SOIL	Chromium	8.42		0.046	0.49	mg/Kg
Q2436-02	TP-69	SOIL	Cobalt	0.39	J	0.098	1.48	mg/Kg
Q2436-02	TP-69	SOIL	Copper	1.29		0.22	0.98	mg/Kg
Q2436-02	TP-69	SOIL	Iron	18800		3.92	4.92	mg/Kg
Q2436-02	TP-69	SOIL	Lead	28.7		0.13	0.59	mg/Kg
Q2436-02	TP-69	SOIL	Magnesium	182		11.8	98.3	mg/Kg
Q2436-02	TP-69	SOIL	Manganese	7.58		0.14	0.98	mg/Kg
Q2436-02	TP-69	SOIL	Mercury	0.024		0.0080	0.015	mg/Kg
Q2436-02	TP-69	SOIL	Nickel	1.17	J	0.13	1.97	mg/Kg
Q2436-02	TP-69	SOIL	Potassium	385		27.2	98.3	mg/Kg
Q2436-02	TP-69	SOIL	Selenium	4.47		0.26	0.98	mg/Kg
Q2436-02	TP-69	SOIL	Silver	0.84		0.12	0.49	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2436

Order ID: Q2436

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2436-02	TP-69	SOIL	Sodium	324		17.5	98.3	mg/Kg
Q2436-02	TP-69	SOIL	Thallium	0.53	J	0.23	1.97	mg/Kg
Q2436-02	TP-69	SOIL	Vanadium	17.1		0.25	1.97	mg/Kg
Q2436-02	TP-69	SOIL	Zinc	7.35		0.23	1.97	mg/Kg
Client ID : TP-85								
Q2436-03	TP-85	SOIL	Aluminum	4030		0.85	5.07	mg/Kg
Q2436-03	TP-85	SOIL	Arsenic	1.63		0.19	1.01	mg/Kg
Q2436-03	TP-85	SOIL	Barium	11.0		0.74	5.07	mg/Kg
Q2436-03	TP-85	SOIL	Beryllium	0.26	J	0.025	0.30	mg/Kg
Q2436-03	TP-85	SOIL	Calcium	176		11.2	101	mg/Kg
Q2436-03	TP-85	SOIL	Chromium	5.18		0.048	0.51	mg/Kg
Q2436-03	TP-85	SOIL	Cobalt	1.06	J	0.10	1.52	mg/Kg
Q2436-03	TP-85	SOIL	Copper	2.32		0.22	1.01	mg/Kg
Q2436-03	TP-85	SOIL	Iron	7060		4.04	5.07	mg/Kg
Q2436-03	TP-85	SOIL	Lead	4.12		0.13	0.61	mg/Kg
Q2436-03	TP-85	SOIL	Magnesium	183		12.2	101	mg/Kg
Q2436-03	TP-85	SOIL	Manganese	9.36		0.14	1.01	mg/Kg
Q2436-03	TP-85	SOIL	Nickel	2.53		0.13	2.03	mg/Kg
Q2436-03	TP-85	SOIL	Potassium	181		28.1	101	mg/Kg
Q2436-03	TP-85	SOIL	Selenium	1.72		0.26	1.01	mg/Kg
Q2436-03	TP-85	SOIL	Silver	0.29	J	0.12	0.51	mg/Kg
Q2436-03	TP-85	SOIL	Sodium	240		18.0	101	mg/Kg
Q2436-03	TP-85	SOIL	Vanadium	11.8		0.25	2.03	mg/Kg
Q2436-03	TP-85	SOIL	Zinc	7.55		0.23	2.03	mg/Kg
Client ID : TP-86								
Q2436-04	TP-86	SOIL	Aluminum	4440		0.84	5.01	mg/Kg
Q2436-04	TP-86	SOIL	Arsenic	6.08		0.19	1.00	mg/Kg
Q2436-04	TP-86	SOIL	Barium	14.9		0.73	5.01	mg/Kg
Q2436-04	TP-86	SOIL	Beryllium	0.71		0.025	0.30	mg/Kg
Q2436-04	TP-86	SOIL	Calcium	344		11.1	100	mg/Kg
Q2436-04	TP-86	SOIL	Chromium	14.2		0.047	0.50	mg/Kg
Q2436-04	TP-86	SOIL	Cobalt	4.14		0.10	1.50	mg/Kg
Q2436-04	TP-86	SOIL	Iron	24500		4.00	5.01	mg/Kg
Q2436-04	TP-86	SOIL	Lead	3.87		0.13	0.60	mg/Kg
Q2436-04	TP-86	SOIL	Magnesium	275		12.0	100	mg/Kg
Q2436-04	TP-86	SOIL	Manganese	71.6		0.14	1.00	mg/Kg
Q2436-04	TP-86	SOIL	Nickel	3.18		0.13	2.00	mg/Kg
Q2436-04	TP-86	SOIL	Potassium	791		27.8	100	mg/Kg
Q2436-04	TP-86	SOIL	Selenium	5.08		0.26	1.00	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2436

Order ID: Q2436

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2436-04	TP-86	SOIL	Silver	1.12		0.12	0.50	mg/Kg
Q2436-04	TP-86	SOIL	Sodium	427		17.8	100	mg/Kg
Q2436-04	TP-86	SOIL	Thallium	0.50	J	0.23	2.00	mg/Kg
Q2436-04	TP-86	SOIL	Vanadium	22.6		0.25	2.00	mg/Kg
Q2436-04	TP-86	SOIL	Zinc	15.5		0.23	2.00	mg/Kg
Client ID : TP-84								
Q2436-05	TP-84	SOIL	Aluminum	4860		0.80	4.73	mg/Kg
Q2436-05	TP-84	SOIL	Arsenic	2.23		0.18	0.95	mg/Kg
Q2436-05	TP-84	SOIL	Barium	11.5		0.69	4.73	mg/Kg
Q2436-05	TP-84	SOIL	Beryllium	0.42		0.024	0.28	mg/Kg
Q2436-05	TP-84	SOIL	Calcium	320		10.5	94.6	mg/Kg
Q2436-05	TP-84	SOIL	Chromium	6.70		0.044	0.47	mg/Kg
Q2436-05	TP-84	SOIL	Cobalt	2.20		0.095	1.42	mg/Kg
Q2436-05	TP-84	SOIL	Copper	2.13		0.21	0.95	mg/Kg
Q2436-05	TP-84	SOIL	Iron	13400		3.78	4.73	mg/Kg
Q2436-05	TP-84	SOIL	Lead	4.43		0.12	0.57	mg/Kg
Q2436-05	TP-84	SOIL	Magnesium	312		11.4	94.6	mg/Kg
Q2436-05	TP-84	SOIL	Manganese	25.9		0.13	0.95	mg/Kg
Q2436-05	TP-84	SOIL	Nickel	3.47		0.12	1.89	mg/Kg
Q2436-05	TP-84	SOIL	Potassium	191		26.2	94.6	mg/Kg
Q2436-05	TP-84	SOIL	Selenium	3.16		0.25	0.95	mg/Kg
Q2436-05	TP-84	SOIL	Silver	0.66		0.11	0.47	mg/Kg
Q2436-05	TP-84	SOIL	Sodium	160		16.8	94.6	mg/Kg
Q2436-05	TP-84	SOIL	Vanadium	13.9		0.24	1.89	mg/Kg
Q2436-05	TP-84	SOIL	Zinc	13.1		0.22	1.89	mg/Kg
Client ID : TP-83								
Q2436-06	TP-83	SOIL	Aluminum	8670		0.88	5.26	mg/Kg
Q2436-06	TP-83	SOIL	Arsenic	4.16		0.20	1.05	mg/Kg
Q2436-06	TP-83	SOIL	Barium	20.7		0.77	5.26	mg/Kg
Q2436-06	TP-83	SOIL	Beryllium	0.65		0.026	0.32	mg/Kg
Q2436-06	TP-83	SOIL	Calcium	227		11.7	105	mg/Kg
Q2436-06	TP-83	SOIL	Chromium	13.0		0.049	0.53	mg/Kg
Q2436-06	TP-83	SOIL	Cobalt	3.11		0.11	1.58	mg/Kg
Q2436-06	TP-83	SOIL	Copper	1.13		0.23	1.05	mg/Kg
Q2436-06	TP-83	SOIL	Iron	19500		4.19	5.26	mg/Kg
Q2436-06	TP-83	SOIL	Lead	4.86		0.14	0.63	mg/Kg
Q2436-06	TP-83	SOIL	Magnesium	273		12.6	105	mg/Kg
Q2436-06	TP-83	SOIL	Manganese	57.2		0.15	1.05	mg/Kg
Q2436-06	TP-83	SOIL	Mercury	0.011	J	0.0080	0.015	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2436

Order ID: Q2436

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2436-06	TP-83	SOIL	Nickel	4.90		0.14	2.10	mg/Kg
Q2436-06	TP-83	SOIL	Potassium	382		29.1	105	mg/Kg
Q2436-06	TP-83	SOIL	Selenium	4.79		0.27	1.05	mg/Kg
Q2436-06	TP-83	SOIL	Silver	0.93		0.13	0.53	mg/Kg
Q2436-06	TP-83	SOIL	Sodium	82.2	J	18.7	105	mg/Kg
Q2436-06	TP-83	SOIL	Vanadium	20.5		0.26	2.10	mg/Kg
Q2436-06	TP-83	SOIL	Zinc	14.4		0.24	2.10	mg/Kg
Client ID : TP-87								
Q2436-07	TP-87	SOIL	Aluminum	8840		0.85	5.03	mg/Kg
Q2436-07	TP-87	SOIL	Arsenic	4.94		0.19	1.01	mg/Kg
Q2436-07	TP-87	SOIL	Barium	14.6		0.74	5.03	mg/Kg
Q2436-07	TP-87	SOIL	Beryllium	0.77		0.025	0.30	mg/Kg
Q2436-07	TP-87	SOIL	Calcium	278		11.2	101	mg/Kg
Q2436-07	TP-87	SOIL	Chromium	15.3		0.047	0.50	mg/Kg
Q2436-07	TP-87	SOIL	Cobalt	4.91		0.10	1.51	mg/Kg
Q2436-07	TP-87	SOIL	Iron	21300		4.02	5.03	mg/Kg
Q2436-07	TP-87	SOIL	Lead	5.97		0.13	0.60	mg/Kg
Q2436-07	TP-87	SOIL	Magnesium	319		12.1	101	mg/Kg
Q2436-07	TP-87	SOIL	Manganese	52.1		0.14	1.01	mg/Kg
Q2436-07	TP-87	SOIL	Mercury	0.010	J	0.0080	0.014	mg/Kg
Q2436-07	TP-87	SOIL	Nickel	7.01		0.13	2.01	mg/Kg
Q2436-07	TP-87	SOIL	Potassium	354		27.9	101	mg/Kg
Q2436-07	TP-87	SOIL	Selenium	4.81		0.26	1.01	mg/Kg
Q2436-07	TP-87	SOIL	Silver	0.93		0.12	0.50	mg/Kg
Q2436-07	TP-87	SOIL	Sodium	487		17.9	101	mg/Kg
Q2436-07	TP-87	SOIL	Vanadium	19.7		0.25	2.01	mg/Kg
Q2436-07	TP-87	SOIL	Zinc	16.6		0.23	2.01	mg/Kg
Client ID : TP-100								
Q2436-08	TP-100	SOIL	Aluminum	11700		0.90	5.36	mg/Kg
Q2436-08	TP-100	SOIL	Arsenic	2.67		0.20	1.07	mg/Kg
Q2436-08	TP-100	SOIL	Barium	24.5		0.78	5.36	mg/Kg
Q2436-08	TP-100	SOIL	Beryllium	0.72		0.027	0.32	mg/Kg
Q2436-08	TP-100	SOIL	Calcium	333		11.9	107	mg/Kg
Q2436-08	TP-100	SOIL	Chromium	7.70		0.050	0.54	mg/Kg
Q2436-08	TP-100	SOIL	Cobalt	5.97		0.11	1.61	mg/Kg
Q2436-08	TP-100	SOIL	Copper	1.12		0.24	1.07	mg/Kg
Q2436-08	TP-100	SOIL	Iron	17500		4.28	5.36	mg/Kg
Q2436-08	TP-100	SOIL	Lead	7.65		0.14	0.64	mg/Kg
Q2436-08	TP-100	SOIL	Magnesium	270		12.9	107	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2436

Order ID: Q2436

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2436-08	TP-100	SOIL	Manganese	72.9		0.15	1.07	mg/Kg
Q2436-08	TP-100	SOIL	Mercury	0.010	J	0.0080	0.015	mg/Kg
Q2436-08	TP-100	SOIL	Nickel	7.48		0.14	2.14	mg/Kg
Q2436-08	TP-100	SOIL	Potassium	266		29.7	107	mg/Kg
Q2436-08	TP-100	SOIL	Selenium	4.27		0.28	1.07	mg/Kg
Q2436-08	TP-100	SOIL	Silver	0.75		0.13	0.54	mg/Kg
Q2436-08	TP-100	SOIL	Sodium	176		19.1	107	mg/Kg
Q2436-08	TP-100	SOIL	Vanadium	15.7		0.27	2.14	mg/Kg
Q2436-08	TP-100	SOIL	Zinc	20.4		0.25	2.14	mg/Kg
Client ID : TP-99								
Q2436-09	TP-99	SOIL	Aluminum	15300		0.81	4.82	mg/Kg
Q2436-09	TP-99	SOIL	Arsenic	2.79		0.18	0.96	mg/Kg
Q2436-09	TP-99	SOIL	Barium	66.6		0.70	4.82	mg/Kg
Q2436-09	TP-99	SOIL	Beryllium	0.51		0.024	0.29	mg/Kg
Q2436-09	TP-99	SOIL	Calcium	2910		10.7	96.4	mg/Kg
Q2436-09	TP-99	SOIL	Chromium	7.44		0.045	0.48	mg/Kg
Q2436-09	TP-99	SOIL	Cobalt	4.07		0.096	1.45	mg/Kg
Q2436-09	TP-99	SOIL	Copper	3.21		0.21	0.96	mg/Kg
Q2436-09	TP-99	SOIL	Iron	13700		3.85	4.82	mg/Kg
Q2436-09	TP-99	SOIL	Lead	7.43		0.13	0.58	mg/Kg
Q2436-09	TP-99	SOIL	Magnesium	319		11.6	96.4	mg/Kg
Q2436-09	TP-99	SOIL	Manganese	61.2		0.14	0.96	mg/Kg
Q2436-09	TP-99	SOIL	Nickel	8.04		0.13	1.93	mg/Kg
Q2436-09	TP-99	SOIL	Potassium	299		26.7	96.4	mg/Kg
Q2436-09	TP-99	SOIL	Selenium	3.85		0.25	0.96	mg/Kg
Q2436-09	TP-99	SOIL	Silver	0.69		0.12	0.48	mg/Kg
Q2436-09	TP-99	SOIL	Sodium	318		17.2	96.4	mg/Kg
Q2436-09	TP-99	SOIL	Vanadium	12.2		0.24	1.93	mg/Kg
Q2436-09	TP-99	SOIL	Zinc	18.5		0.22	1.93	mg/Kg
Client ID : TP-82								
Q2436-10	TP-82	SOIL	Aluminum	1050		0.85	5.03	mg/Kg
Q2436-10	TP-82	SOIL	Arsenic	1.03		0.19	1.01	mg/Kg
Q2436-10	TP-82	SOIL	Barium	8.54		0.74	5.03	mg/Kg
Q2436-10	TP-82	SOIL	Beryllium	0.20	J	0.025	0.30	mg/Kg
Q2436-10	TP-82	SOIL	Calcium	174		11.2	101	mg/Kg
Q2436-10	TP-82	SOIL	Chromium	3.04		0.047	0.50	mg/Kg
Q2436-10	TP-82	SOIL	Cobalt	1.28	J	0.10	1.51	mg/Kg
Q2436-10	TP-82	SOIL	Copper	0.86	J	0.22	1.01	mg/Kg
Q2436-10	TP-82	SOIL	Iron	7140		4.02	5.03	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2436

Order ID: Q2436

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2436-10	TP-82	SOIL	Lead	3.84		0.13	0.60	mg/Kg
Q2436-10	TP-82	SOIL	Magnesium	83.6	J	12.1	101	mg/Kg
Q2436-10	TP-82	SOIL	Manganese	19.7		0.14	1.01	mg/Kg
Q2436-10	TP-82	SOIL	Nickel	1.05	J	0.13	2.01	mg/Kg
Q2436-10	TP-82	SOIL	Potassium	45.1	J	27.9	101	mg/Kg
Q2436-10	TP-82	SOIL	Selenium	1.72		0.26	1.01	mg/Kg
Q2436-10	TP-82	SOIL	Silver	0.38	J	0.12	0.50	mg/Kg
Q2436-10	TP-82	SOIL	Sodium	171		17.9	101	mg/Kg
Q2436-10	TP-82	SOIL	Vanadium	9.07		0.25	2.01	mg/Kg
Q2436-10	TP-82	SOIL	Zinc	6.28		0.23	2.01	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-70	SDG No.:	Q2436
Lab Sample ID:	Q2436-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8840		1	0.89	5.32	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.66	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-38-2	Arsenic	4.89		1	0.20	1.06	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-39-3	Barium	67.4	N	1	0.78	5.32	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-41-7	Beryllium	0.56		1	0.027	0.32	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.32	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-70-2	Calcium	318	N	1	11.8	106	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-47-3	Chromium	7.09		1	0.050	0.53	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-48-4	Cobalt	2.07	*	1	0.11	1.60	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-50-8	Copper	1.84		1	0.23	1.06	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7439-89-6	Iron	12400		1	4.24	5.32	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7439-92-1	Lead	5.95		1	0.14	0.64	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7439-95-4	Magnesium	203	N	1	12.8	106	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7439-96-5	Manganese	70.4	N*	1	0.15	1.06	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7439-97-6	Mercury	0.0080	U	1	0.0080	0.014	mg/Kg	06/27/25 14:20	06/30/25 13:57	7471B	
7440-02-0	Nickel	3.08		1	0.14	2.13	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-09-7	Potassium	207		1	29.5	106	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7782-49-2	Selenium	2.88		1	0.28	1.06	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-22-4	Silver	0.56		1	0.13	0.53	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-23-5	Sodium	235		1	18.9	106	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.13	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-62-2	Vanadium	19.7		1	0.27	2.13	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050
7440-66-6	Zinc	8.13		1	0.25	2.13	mg/Kg	06/27/25 13:05	07/01/25 17:43	6010D	SW3050

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	82

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3120		1	0.83	4.92	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.46	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-38-2	Arsenic	5.74		1	0.19	0.98	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-39-3	Barium	5.63	N	1	0.72	4.92	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-41-7	Beryllium	0.35		1	0.025	0.30	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-70-2	Calcium	361	N	1	10.9	98.3	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-47-3	Chromium	8.42		1	0.046	0.49	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-48-4	Cobalt	0.39	J*	1	0.098	1.48	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-50-8	Copper	1.29		1	0.22	0.98	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7439-89-6	Iron	18800		1	3.92	4.92	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7439-92-1	Lead	28.7		1	0.13	0.59	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7439-95-4	Magnesium	182	N	1	11.8	98.3	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7439-96-5	Manganese	7.58	N*	1	0.14	0.98	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7439-97-6	Mercury	0.024		1	0.0080	0.015	mg/Kg	06/27/25 14:20	06/30/25 13:59	7471B	
7440-02-0	Nickel	1.17	J	1	0.13	1.97	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-09-7	Potassium	385		1	27.2	98.3	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7782-49-2	Selenium	4.47		1	0.26	0.98	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-22-4	Silver	0.84		1	0.12	0.49	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-23-5	Sodium	324		1	17.5	98.3	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-28-0	Thallium	0.53	J	1	0.23	1.97	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-62-2	Vanadium	17.1		1	0.25	1.97	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-66-6	Zinc	7.35		1	0.23	1.97	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-85	SDG No.:	Q2436
Lab Sample ID:	Q2436-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4030		1	0.85	5.07	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.53	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-38-2	Arsenic	1.63		1	0.19	1.01	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-39-3	Barium	11.0	N	1	0.74	5.07	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-41-7	Beryllium	0.26	J	1	0.025	0.30	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-70-2	Calcium	176	N	1	11.2	101	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-47-3	Chromium	5.18		1	0.048	0.51	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-48-4	Cobalt	1.06	J*	1	0.10	1.52	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-50-8	Copper	2.32		1	0.22	1.01	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7439-89-6	Iron	7060		1	4.04	5.07	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7439-92-1	Lead	4.12		1	0.13	0.61	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7439-95-4	Magnesium	183	N	1	12.2	101	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7439-96-5	Manganese	9.36	N*	1	0.14	1.01	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7439-97-6	Mercury	0.0080	U	1	0.0080	0.014	mg/Kg	06/27/25 14:20	06/30/25 14:01	7471B	
7440-02-0	Nickel	2.53		1	0.13	2.03	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-09-7	Potassium	181		1	28.1	101	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7782-49-2	Selenium	1.72		1	0.26	1.01	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-22-4	Silver	0.29	J	1	0.12	0.51	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-23-5	Sodium	240		1	18.0	101	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.03	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-62-2	Vanadium	11.8		1	0.25	2.03	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050
7440-66-6	Zinc	7.55		1	0.23	2.03	mg/Kg	06/27/25 13:05	07/01/25 17:51	6010D	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-86	SDG No.:	Q2436
Lab Sample ID:	Q2436-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4440		1	0.84	5.01	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.51	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-38-2	Arsenic	6.08		1	0.19	1.00	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-39-3	Barium	14.9	N	1	0.73	5.01	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-41-7	Beryllium	0.71		1	0.025	0.30	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-70-2	Calcium	344	N	1	11.1	100	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-47-3	Chromium	14.2		1	0.047	0.50	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-48-4	Cobalt	4.14	*	1	0.10	1.50	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-50-8	Copper	0.22	U	1	0.22	1.00	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7439-89-6	Iron	24500		1	4.00	5.01	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7439-92-1	Lead	3.87		1	0.13	0.60	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7439-95-4	Magnesium	275	N	1	12.0	100	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7439-96-5	Manganese	71.6	N*	1	0.14	1.00	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7439-97-6	Mercury	0.0080	U	1	0.0080	0.015	mg/Kg	06/27/25 14:20	06/30/25 14:08	7471B	
7440-02-0	Nickel	3.18		1	0.13	2.00	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-09-7	Potassium	791		1	27.8	100	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7782-49-2	Selenium	5.08		1	0.26	1.00	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-22-4	Silver	1.12		1	0.12	0.50	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-23-5	Sodium	427		1	17.8	100	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-28-0	Thallium	0.50	J	1	0.23	2.00	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-62-2	Vanadium	22.6		1	0.25	2.00	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050
7440-66-6	Zinc	15.5		1	0.23	2.00	mg/Kg	06/27/25 13:05	07/01/25 18:01	6010D	SW3050

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4860		1	0.80	4.73	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.37	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-38-2	Arsenic	2.23		1	0.18	0.95	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-39-3	Barium	11.5	N	1	0.69	4.73	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-41-7	Beryllium	0.42		1	0.024	0.28	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.28	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-70-2	Calcium	320	N	1	10.5	94.6	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-47-3	Chromium	6.70		1	0.044	0.47	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-48-4	Cobalt	2.20	*	1	0.095	1.42	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-50-8	Copper	2.13		1	0.21	0.95	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7439-89-6	Iron	13400		1	3.78	4.73	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7439-92-1	Lead	4.43		1	0.12	0.57	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7439-95-4	Magnesium	312	N	1	11.4	94.6	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7439-96-5	Manganese	25.9	N*	1	0.13	0.95	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7439-97-6	Mercury	0.0070	U	1	0.0070	0.013	mg/Kg	06/27/25 14:20	06/30/25 14:10	7471B	
7440-02-0	Nickel	3.47		1	0.12	1.89	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-09-7	Potassium	191		1	26.2	94.6	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7782-49-2	Selenium	3.16		1	0.25	0.95	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-22-4	Silver	0.66		1	0.11	0.47	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-23-5	Sodium	160		1	16.8	94.6	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.89	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-62-2	Vanadium	13.9		1	0.24	1.89	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050
7440-66-6	Zinc	13.1		1	0.22	1.89	mg/Kg	06/27/25 13:05	07/01/25 18:05	6010D	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8670		1	0.88	5.26	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.63	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-38-2	Arsenic	4.16		1	0.20	1.05	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-39-3	Barium	20.7	N	1	0.77	5.26	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-41-7	Beryllium	0.65		1	0.026	0.32	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.32	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-70-2	Calcium	227	N	1	11.7	105	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-47-3	Chromium	13.0		1	0.049	0.53	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-48-4	Cobalt	3.11	*	1	0.11	1.58	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-50-8	Copper	1.13		1	0.23	1.05	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7439-89-6	Iron	19500		1	4.19	5.26	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7439-92-1	Lead	4.86		1	0.14	0.63	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7439-95-4	Magnesium	273	N	1	12.6	105	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7439-96-5	Manganese	57.2	N*	1	0.15	1.05	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7439-97-6	Mercury	0.011	J	1	0.0080	0.015	mg/Kg	06/27/25 14:20	06/30/25 14:13	7471B	
7440-02-0	Nickel	4.90		1	0.14	2.10	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-09-7	Potassium	382		1	29.1	105	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7782-49-2	Selenium	4.79		1	0.27	1.05	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-22-4	Silver	0.93		1	0.13	0.53	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-23-5	Sodium	82.2	J	1	18.7	105	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.10	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-62-2	Vanadium	20.5		1	0.26	2.10	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-66-6	Zinc	14.4		1	0.24	2.10	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8840		1	0.85	5.03	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.52	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-38-2	Arsenic	4.94		1	0.19	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-39-3	Barium	14.6	N	1	0.74	5.03	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-41-7	Beryllium	0.77		1	0.025	0.30	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-70-2	Calcium	278	N	1	11.2	101	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-47-3	Chromium	15.3		1	0.047	0.50	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-48-4	Cobalt	4.91	*	1	0.10	1.51	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-50-8	Copper	0.22	U	1	0.22	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7439-89-6	Iron	21300		1	4.02	5.03	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7439-92-1	Lead	5.97		1	0.13	0.60	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7439-95-4	Magnesium	319	N	1	12.1	101	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7439-96-5	Manganese	52.1	N*	1	0.14	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7439-97-6	Mercury	0.010	J	1	0.0080	0.014	mg/Kg	06/27/25 14:20	06/30/25 14:15	7471B	
7440-02-0	Nickel	7.01		1	0.13	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-09-7	Potassium	354		1	27.9	101	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7782-49-2	Selenium	4.81		1	0.26	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-22-4	Silver	0.93		1	0.12	0.50	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-23-5	Sodium	487		1	17.9	101	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-62-2	Vanadium	19.7		1	0.25	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-66-6	Zinc	16.6		1	0.23	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11700		1	0.90	5.36	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.68	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-38-2	Arsenic	2.67		1	0.20	1.07	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-39-3	Barium	24.5	N	1	0.78	5.36	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-41-7	Beryllium	0.72		1	0.027	0.32	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.32	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-70-2	Calcium	333	N	1	11.9	107	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-47-3	Chromium	7.70		1	0.050	0.54	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-48-4	Cobalt	5.97	*	1	0.11	1.61	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-50-8	Copper	1.12		1	0.24	1.07	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7439-89-6	Iron	17500		1	4.28	5.36	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7439-92-1	Lead	7.65		1	0.14	0.64	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7439-95-4	Magnesium	270	N	1	12.9	107	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7439-96-5	Manganese	72.9	N*	1	0.15	1.07	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7439-97-6	Mercury	0.010	J	1	0.0080	0.015	mg/Kg	06/27/25 14:20	06/30/25 14:17	7471B	
7440-02-0	Nickel	7.48		1	0.14	2.14	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-09-7	Potassium	266		1	29.7	107	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7782-49-2	Selenium	4.27		1	0.28	1.07	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-22-4	Silver	0.75		1	0.13	0.54	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-23-5	Sodium	176		1	19.1	107	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.14	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-62-2	Vanadium	15.7		1	0.27	2.14	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050
7440-66-6	Zinc	20.4		1	0.25	2.14	mg/Kg	06/27/25 13:05	07/01/25 18:18	6010D	SW3050

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-99	SDG No.:	Q2436
Lab Sample ID:	Q2436-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	15300		1	0.81	4.82	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.41	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-38-2	Arsenic	2.79		1	0.18	0.96	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-39-3	Barium	66.6	N	1	0.70	4.82	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-41-7	Beryllium	0.51		1	0.024	0.29	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-70-2	Calcium	2910	N	1	10.7	96.4	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-47-3	Chromium	7.44		1	0.045	0.48	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-48-4	Cobalt	4.07	*	1	0.096	1.45	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-50-8	Copper	3.21		1	0.21	0.96	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7439-89-6	Iron	13700		1	3.85	4.82	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7439-92-1	Lead	7.43		1	0.13	0.58	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7439-95-4	Magnesium	319	N	1	11.6	96.4	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7439-96-5	Manganese	61.2	N*	1	0.14	0.96	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7439-97-6	Mercury	0.0080	U	1	0.0080	0.015	mg/Kg	06/27/25 14:20	06/30/25 14:19	7471B	
7440-02-0	Nickel	8.04		1	0.13	1.93	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-09-7	Potassium	299		1	26.7	96.4	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7782-49-2	Selenium	3.85		1	0.25	0.96	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-22-4	Silver	0.69		1	0.12	0.48	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-23-5	Sodium	318		1	17.2	96.4	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.93	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-62-2	Vanadium	12.2		1	0.24	1.93	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050
7440-66-6	Zinc	18.5		1	0.22	1.93	mg/Kg	06/27/25 13:05	07/01/25 18:44	6010D	SW3050

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82	SDG No.:	Q2436
Lab Sample ID:	Q2436-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	92

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1050		1	0.85	5.03	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.52	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-38-2	Arsenic	1.03		1	0.19	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-39-3	Barium	8.54	N	1	0.74	5.03	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-41-7	Beryllium	0.20	J	1	0.025	0.30	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-70-2	Calcium	174	N	1	11.2	101	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-47-3	Chromium	3.04		1	0.047	0.50	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-48-4	Cobalt	1.28	J*	1	0.10	1.51	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-50-8	Copper	0.86	J	1	0.22	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7439-89-6	Iron	7140		1	4.02	5.03	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7439-92-1	Lead	3.84		1	0.13	0.60	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7439-95-4	Magnesium	83.6	JN	1	12.1	101	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7439-96-5	Manganese	19.7	N*	1	0.14	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7439-97-6	Mercury	0.0080	U	1	0.0080	0.014	mg/Kg	06/27/25 14:20	06/30/25 14:22	7471B	
7440-02-0	Nickel	1.05	J	1	0.13	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-09-7	Potassium	45.1	J	1	27.9	101	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7782-49-2	Selenium	1.72		1	0.26	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-22-4	Silver	0.38	J	1	0.12	0.50	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-23-5	Sodium	171		1	17.9	101	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-62-2	Vanadium	9.07		1	0.25	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050
7440-66-6	Zinc	6.28		1	0.23	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:48	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2436
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436
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
ICV12	Mercury	3.64	4.0	91	90 - 110	CV	06/30/2025	13:29	LB136329

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2436
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436
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
CCV36	Mercury	4.99	5.0	100	90 - 110	CV	06/30/2025	13:33	LB136329
CCV37	Mercury	5.08	5.0	102	90 - 110	CV	06/30/2025	14:03	LB136329
CCV38	Mercury	5.17	5.0	103	90 - 110	CV	06/30/2025	14:31	LB136329
CCV39	Mercury	5.00	5.0	100	90 - 110	CV	06/30/2025	14:57	LB136329

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2436
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436
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	7650	8000	96	90 - 110	P	07/01/2025	13:30	LB136344
	Antimony	4240	4000	106	90 - 110	P	07/01/2025	13:30	LB136344
	Arsenic	4150	4000	104	90 - 110	P	07/01/2025	13:30	LB136344
	Barium	7710	8000	96	90 - 110	P	07/01/2025	13:30	LB136344
	Beryllium	195	200	97	90 - 110	P	07/01/2025	13:30	LB136344
	Cadmium	2040	2000	102	90 - 110	P	07/01/2025	13:30	LB136344
	Calcium	19100	20000	95	90 - 110	P	07/01/2025	13:30	LB136344
	Chromium	815	800	102	90 - 110	P	07/01/2025	13:30	LB136344
	Cobalt	2050	2000	102	90 - 110	P	07/01/2025	13:30	LB136344
	Copper	1050	1000	105	90 - 110	P	07/01/2025	13:30	LB136344
	Iron	4030	4000	101	90 - 110	P	07/01/2025	13:30	LB136344
	Lead	4000	4000	100	90 - 110	P	07/01/2025	13:30	LB136344
	Magnesium	18900	20000	95	90 - 110	P	07/01/2025	13:30	LB136344
	Manganese	1910	2000	96	90 - 110	P	07/01/2025	13:30	LB136344
	Nickel	2050	2000	103	90 - 110	P	07/01/2025	13:30	LB136344
	Potassium	20600	20000	103	90 - 110	P	07/01/2025	13:30	LB136344
	Selenium	4200	4000	105	90 - 110	P	07/01/2025	13:30	LB136344
	Silver	903	1000	90	90 - 110	P	07/01/2025	13:30	LB136344
	Sodium	20600	20000	103	90 - 110	P	07/01/2025	13:30	LB136344
	Thallium	3900	4000	98	90 - 110	P	07/01/2025	13:30	LB136344
	Vanadium	1900	2000	95	90 - 110	P	07/01/2025	13:30	LB136344
	Zinc	2050	2000	102	90 - 110	P	07/01/2025	13:30	LB136344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith SDG No.: Q2436
Contract: CAMP02 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436
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	99.9	100	100	80 - 120	P	07/01/2025	13:34	LB136344
	Antimony	51.6	50.0	103	80 - 120	P	07/01/2025	13:34	LB136344
	Arsenic	22.8	20.0	114	80 - 120	P	07/01/2025	13:34	LB136344
	Barium	91.3	100	91	80 - 120	P	07/01/2025	13:34	LB136344
	Beryllium	6.06	6.0	101	80 - 120	P	07/01/2025	13:34	LB136344
	Cadmium	5.90	6.0	98	80 - 120	P	07/01/2025	13:34	LB136344
	Calcium	1990	2000	99	80 - 120	P	07/01/2025	13:34	LB136344
	Chromium	10.7	10.0	107	80 - 120	P	07/01/2025	13:34	LB136344
	Cobalt	30.0	30.0	100	80 - 120	P	07/01/2025	13:34	LB136344
	Copper	21.3	20.0	107	80 - 120	P	07/01/2025	13:34	LB136344
	Iron	106	100	106	80 - 120	P	07/01/2025	13:34	LB136344
	Lead	12.0	12.0	100	80 - 120	P	07/01/2025	13:34	LB136344
	Magnesium	2030	2000	102	80 - 120	P	07/01/2025	13:34	LB136344
	Manganese	20.6	20.0	103	80 - 120	P	07/01/2025	13:34	LB136344
	Nickel	40.9	40.0	102	80 - 120	P	07/01/2025	13:34	LB136344
	Potassium	1980	2000	99	80 - 120	P	07/01/2025	13:34	LB136344
	Selenium	23.7	20.0	118	80 - 120	P	07/01/2025	13:34	LB136344
	Silver	9.72	10.0	97	80 - 120	P	07/01/2025	13:34	LB136344
	Sodium	2010	2000	101	80 - 120	P	07/01/2025	13:34	LB136344
	Thallium	41.3	40.0	103	80 - 120	P	07/01/2025	13:34	LB136344
	Vanadium	39.2	40.0	98	80 - 120	P	07/01/2025	13:34	LB136344
	Zinc	41.8	40.0	105	80 - 120	P	07/01/2025	13:34	LB136344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith SDG No.: Q2436
Contract: CAMP02 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9760	10000	98	90 - 110	P	07/01/2025	14:09	LB136344
	Antimony	4990	5000	100	90 - 110	P	07/01/2025	14:09	LB136344
	Arsenic	5000	5000	100	90 - 110	P	07/01/2025	14:09	LB136344
	Barium	9930	10000	99	90 - 110	P	07/01/2025	14:09	LB136344
	Beryllium	244	250	97	90 - 110	P	07/01/2025	14:09	LB136344
	Cadmium	2500	2500	100	90 - 110	P	07/01/2025	14:09	LB136344
	Calcium	24300	25000	97	90 - 110	P	07/01/2025	14:09	LB136344
	Chromium	1010	1000	101	90 - 110	P	07/01/2025	14:09	LB136344
	Cobalt	2480	2500	99	90 - 110	P	07/01/2025	14:09	LB136344
	Copper	1250	1250	100	90 - 110	P	07/01/2025	14:09	LB136344
	Iron	5180	5000	104	90 - 110	P	07/01/2025	14:09	LB136344
	Lead	4980	5000	100	90 - 110	P	07/01/2025	14:09	LB136344
	Magnesium	24200	25000	97	90 - 110	P	07/01/2025	14:09	LB136344
	Manganese	2450	2500	98	90 - 110	P	07/01/2025	14:09	LB136344
	Nickel	2480	2500	99	90 - 110	P	07/01/2025	14:09	LB136344
	Potassium	25900	25000	104	90 - 110	P	07/01/2025	14:09	LB136344
	Selenium	5020	5000	100	90 - 110	P	07/01/2025	14:09	LB136344
	Silver	1270	1250	102	90 - 110	P	07/01/2025	14:09	LB136344
	Sodium	26100	25000	104	90 - 110	P	07/01/2025	14:09	LB136344
	Thallium	5050	5000	101	90 - 110	P	07/01/2025	14:09	LB136344
	Vanadium	2440	2500	98	90 - 110	P	07/01/2025	14:09	LB136344
	Zinc	2550	2500	102	90 - 110	P	07/01/2025	14:09	LB136344
CCV02	Aluminum	9380	10000	94	90 - 110	P	07/01/2025	15:42	LB136344
	Antimony	4900	5000	98	90 - 110	P	07/01/2025	15:42	LB136344
	Arsenic	4910	5000	98	90 - 110	P	07/01/2025	15:42	LB136344
	Barium	9330	10000	93	90 - 110	P	07/01/2025	15:42	LB136344
	Beryllium	230	250	92	90 - 110	P	07/01/2025	15:42	LB136344
	Cadmium	2400	2500	96	90 - 110	P	07/01/2025	15:42	LB136344
	Calcium	23200	25000	93	90 - 110	P	07/01/2025	15:42	LB136344
	Chromium	960	1000	96	90 - 110	P	07/01/2025	15:42	LB136344
	Cobalt	2390	2500	96	90 - 110	P	07/01/2025	15:42	LB136344
	Copper	1220	1250	98	90 - 110	P	07/01/2025	15:42	LB136344
	Iron	4960	5000	99	90 - 110	P	07/01/2025	15:42	LB136344
	Lead	4780	5000	96	90 - 110	P	07/01/2025	15:42	LB136344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2436

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436

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	22900	25000	92	90 - 110	P	07/01/2025	15:42	LB136344
	Manganese	2370	2500	95	90 - 110	P	07/01/2025	15:42	LB136344
	Nickel	2400	2500	96	90 - 110	P	07/01/2025	15:42	LB136344
	Potassium	25000	25000	100	90 - 110	P	07/01/2025	15:42	LB136344
	Selenium	4950	5000	99	90 - 110	P	07/01/2025	15:42	LB136344
	Silver	1220	1250	98	90 - 110	P	07/01/2025	15:42	LB136344
	Sodium	25900	25000	104	90 - 110	P	07/01/2025	15:42	LB136344
	Thallium	4660	5000	93	90 - 110	P	07/01/2025	15:42	LB136344
	Vanadium	2340	2500	94	90 - 110	P	07/01/2025	15:42	LB136344
	Zinc	2470	2500	99	90 - 110	P	07/01/2025	15:42	LB136344
CCV03	Aluminum	9310	10000	93	90 - 110	P	07/01/2025	16:37	LB136344
	Antimony	4960	5000	99	90 - 110	P	07/01/2025	16:37	LB136344
	Arsenic	4900	5000	98	90 - 110	P	07/01/2025	16:37	LB136344
	Barium	9410	10000	94	90 - 110	P	07/01/2025	16:37	LB136344
	Beryllium	228	250	91	90 - 110	P	07/01/2025	16:37	LB136344
	Cadmium	2350	2500	94	90 - 110	P	07/01/2025	16:37	LB136344
	Calcium	23100	25000	93	90 - 110	P	07/01/2025	16:37	LB136344
	Chromium	941	1000	94	90 - 110	P	07/01/2025	16:37	LB136344
	Cobalt	2370	2500	95	90 - 110	P	07/01/2025	16:37	LB136344
	Copper	1200	1250	96	90 - 110	P	07/01/2025	16:37	LB136344
	Iron	4810	5000	96	90 - 110	P	07/01/2025	16:37	LB136344
	Lead	4730	5000	94	90 - 110	P	07/01/2025	16:37	LB136344
	Magnesium	24400	25000	97	90 - 110	P	07/01/2025	16:37	LB136344
	Manganese	2340	2500	94	90 - 110	P	07/01/2025	16:37	LB136344
	Nickel	2370	2500	95	90 - 110	P	07/01/2025	16:37	LB136344
	Potassium	24200	25000	97	90 - 110	P	07/01/2025	16:37	LB136344
	Selenium	4980	5000	100	90 - 110	P	07/01/2025	16:37	LB136344
	Silver	1210	1250	96	90 - 110	P	07/01/2025	16:37	LB136344
	Sodium	25900	25000	103	90 - 110	P	07/01/2025	16:37	LB136344
	Thallium	4740	5000	95	90 - 110	P	07/01/2025	16:37	LB136344
	Vanadium	2310	2500	93	90 - 110	P	07/01/2025	16:37	LB136344
	Zinc	2440	2500	98	90 - 110	P	07/01/2025	16:37	LB136344
CCV04	Aluminum	9450	10000	94	90 - 110	P	07/01/2025	17:26	LB136344
	Antimony	5160	5000	103	90 - 110	P	07/01/2025	17:26	LB136344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith SDG No.: Q2436
Contract: CAMP02 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436
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	5110	5000	102	90 - 110	P	07/01/2025	17:26	LB136344
	Barium	9520	10000	95	90 - 110	P	07/01/2025	17:26	LB136344
	Beryllium	230	250	92	90 - 110	P	07/01/2025	17:26	LB136344
	Cadmium	2380	2500	95	90 - 110	P	07/01/2025	17:26	LB136344
	Calcium	23600	25000	94	90 - 110	P	07/01/2025	17:26	LB136344
	Chromium	932	1000	93	90 - 110	P	07/01/2025	17:26	LB136344
	Cobalt	2400	2500	96	90 - 110	P	07/01/2025	17:26	LB136344
	Copper	1230	1250	99	90 - 110	P	07/01/2025	17:26	LB136344
	Iron	4740	5000	95	90 - 110	P	07/01/2025	17:26	LB136344
	Lead	4780	5000	96	90 - 110	P	07/01/2025	17:26	LB136344
	Magnesium	24700	25000	99	90 - 110	P	07/01/2025	17:26	LB136344
	Manganese	2390	2500	96	90 - 110	P	07/01/2025	17:26	LB136344
	Nickel	2400	2500	96	90 - 110	P	07/01/2025	17:26	LB136344
	Potassium	24000	25000	96	90 - 110	P	07/01/2025	17:26	LB136344
	Selenium	5250	5000	105	90 - 110	P	07/01/2025	17:26	LB136344
	Silver	1200	1250	96	90 - 110	P	07/01/2025	17:26	LB136344
	Sodium	26000	25000	104	90 - 110	P	07/01/2025	17:26	LB136344
	Thallium	4820	5000	96	90 - 110	P	07/01/2025	17:26	LB136344
	Vanadium	2360	2500	94	90 - 110	P	07/01/2025	17:26	LB136344
	Zinc	2420	2500	97	90 - 110	P	07/01/2025	17:26	LB136344
CCV05	Aluminum	9530	10000	95	90 - 110	P	07/01/2025	18:27	LB136344
	Antimony	5380	5000	108	90 - 110	P	07/01/2025	18:27	LB136344
	Arsenic	5290	5000	106	90 - 110	P	07/01/2025	18:27	LB136344
	Barium	9750	10000	98	90 - 110	P	07/01/2025	18:27	LB136344
	Beryllium	231	250	92	90 - 110	P	07/01/2025	18:27	LB136344
	Cadmium	2410	2500	97	90 - 110	P	07/01/2025	18:27	LB136344
	Calcium	23500	25000	94	90 - 110	P	07/01/2025	18:27	LB136344
	Chromium	949	1000	95	90 - 110	P	07/01/2025	18:27	LB136344
	Cobalt	2450	2500	98	90 - 110	P	07/01/2025	18:27	LB136344
	Copper	1270	1250	102	90 - 110	P	07/01/2025	18:27	LB136344
	Iron	4990	5000	100	90 - 110	P	07/01/2025	18:27	LB136344
	Lead	4870	5000	97	90 - 110	P	07/01/2025	18:27	LB136344
	Magnesium	24600	25000	98	90 - 110	P	07/01/2025	18:27	LB136344
	Manganese	2400	2500	96	90 - 110	P	07/01/2025	18:27	LB136344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2436

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2450	2500	98	90 - 110	P	07/01/2025	18:27	LB136344
	Potassium	25100	25000	100	90 - 110	P	07/01/2025	18:27	LB136344
	Selenium	5440	5000	109	90 - 110	P	07/01/2025	18:27	LB136344
	Silver	1240	1250	99	90 - 110	P	07/01/2025	18:27	LB136344
	Sodium	27300	25000	109	90 - 110	P	07/01/2025	18:27	LB136344
	Thallium	4780	5000	96	90 - 110	P	07/01/2025	18:27	LB136344
	Vanadium	2370	2500	95	90 - 110	P	07/01/2025	18:27	LB136344
	Zinc	2530	2500	101	90 - 110	P	07/01/2025	18:27	LB136344
CCV06	Aluminum	9270	10000	93	90 - 110	P	07/01/2025	20:05	LB136344
	Antimony	5250	5000	105	90 - 110	P	07/01/2025	20:05	LB136344
	Arsenic	5150	5000	103	90 - 110	P	07/01/2025	20:05	LB136344
	Barium	9560	10000	96	90 - 110	P	07/01/2025	20:05	LB136344
	Beryllium	234	250	94	90 - 110	P	07/01/2025	20:05	LB136344
	Cadmium	2320	2500	93	90 - 110	P	07/01/2025	20:05	LB136344
	Calcium	23100	25000	92	90 - 110	P	07/01/2025	20:05	LB136344
	Chromium	918	1000	92	90 - 110	P	07/01/2025	20:05	LB136344
	Cobalt	2370	2500	95	90 - 110	P	07/01/2025	20:05	LB136344
	Copper	1230	1250	98	90 - 110	P	07/01/2025	20:05	LB136344
	Iron	4810	5000	96	90 - 110	P	07/01/2025	20:05	LB136344
	Lead	4670	5000	94	90 - 110	P	07/01/2025	20:05	LB136344
	Magnesium	22500	25000	90	90 - 110	P	07/01/2025	20:05	LB136344
	Manganese	2340	2500	94	90 - 110	P	07/01/2025	20:05	LB136344
	Nickel	2360	2500	94	90 - 110	P	07/01/2025	20:05	LB136344
	Potassium	24300	25000	97	90 - 110	P	07/01/2025	20:05	LB136344
	Selenium	5310	5000	106	90 - 110	P	07/01/2025	20:05	LB136344
	Silver	1200	1250	96	90 - 110	P	07/01/2025	20:05	LB136344
	Sodium	24900	25000	100	90 - 110	P	07/01/2025	20:05	LB136344
	Thallium	4600	5000	92	90 - 110	P	07/01/2025	20:05	LB136344
	Vanadium	2330	2500	93	90 - 110	P	07/01/2025	20:05	LB136344
	Zinc	2430	2500	97	90 - 110	P	07/01/2025	20:05	LB136344
CCV07	Aluminum	9140	10000	91	90 - 110	P	07/01/2025	21:22	LB136344
	Antimony	4990	5000	100	90 - 110	P	07/01/2025	21:22	LB136344
	Arsenic	4870	5000	98	90 - 110	P	07/01/2025	21:22	LB136344
	Barium	9540	10000	95	90 - 110	P	07/01/2025	21:22	LB136344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith SDG No.: Q2436
Contract: CAMP02 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436
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	227	250	91	90 - 110	P	07/01/2025	21:22	LB136344
	Cadmium	2290	2500	92	90 - 110	P	07/01/2025	21:22	LB136344
	Calcium	22800	25000	91	90 - 110	P	07/01/2025	21:22	LB136344
	Chromium	933	1000	93	90 - 110	P	07/01/2025	21:22	LB136344
	Cobalt	2330	2500	93	90 - 110	P	07/01/2025	21:22	LB136344
	Copper	1190	1250	95	90 - 110	P	07/01/2025	21:22	LB136344
	Iron	5110	5000	102	90 - 110	P	07/01/2025	21:22	LB136344
	Lead	4610	5000	92	90 - 110	P	07/01/2025	21:22	LB136344
	Magnesium	24000	25000	96	90 - 110	P	07/01/2025	21:22	LB136344
	Manganese	2300	2500	92	90 - 110	P	07/01/2025	21:22	LB136344
	Nickel	2320	2500	93	90 - 110	P	07/01/2025	21:22	LB136344
	Potassium	25600	25000	102	90 - 110	P	07/01/2025	21:22	LB136344
	Selenium	4970	5000	99	90 - 110	P	07/01/2025	21:22	LB136344
	Silver	1220	1250	98	90 - 110	P	07/01/2025	21:22	LB136344
	Sodium	27400	25000	110	90 - 110	P	07/01/2025	21:22	LB136344
	Thallium	4600	5000	92	90 - 110	P	07/01/2025	21:22	LB136344
	Vanadium	2300	2500	92	90 - 110	P	07/01/2025	21:22	LB136344
	Zinc	2480	2500	99	90 - 110	P	07/01/2025	21:22	LB136344
CCV08	Aluminum	9280	10000	93	90 - 110	P	07/01/2025	21:50	LB136344
	Antimony	5110	5000	102	90 - 110	P	07/01/2025	21:50	LB136344
	Arsenic	5040	5000	101	90 - 110	P	07/01/2025	21:50	LB136344
	Barium	9530	10000	95	90 - 110	P	07/01/2025	21:50	LB136344
	Beryllium	238	250	95	90 - 110	P	07/01/2025	21:50	LB136344
	Cadmium	2350	2500	94	90 - 110	P	07/01/2025	21:50	LB136344
	Calcium	23100	25000	92	90 - 110	P	07/01/2025	21:50	LB136344
	Chromium	939	1000	94	90 - 110	P	07/01/2025	21:50	LB136344
	Cobalt	2370	2500	95	90 - 110	P	07/01/2025	21:50	LB136344
	Copper	1230	1250	98	90 - 110	P	07/01/2025	21:50	LB136344
	Iron	5080	5000	102	90 - 110	P	07/01/2025	21:50	LB136344
	Lead	4690	5000	94	90 - 110	P	07/01/2025	21:50	LB136344
	Magnesium	23500	25000	94	90 - 110	P	07/01/2025	21:50	LB136344
	Manganese	2320	2500	93	90 - 110	P	07/01/2025	21:50	LB136344
	Nickel	2370	2500	95	90 - 110	P	07/01/2025	21:50	LB136344
	Potassium	25700	25000	103	90 - 110	P	07/01/2025	21:50	LB136344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith SDG No.: Q2436
Contract: CAMP02 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436
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	5170	5000	103	90 - 110	P	07/01/2025	21:50	LB136344
	Silver	1230	1250	98	90 - 110	P	07/01/2025	21:50	LB136344
	Sodium	23900	25000	96	90 - 110	P	07/01/2025	21:50	LB136344
	Thallium	4710	5000	94	90 - 110	P	07/01/2025	21:50	LB136344
	Vanadium	2330	2500	93	90 - 110	P	07/01/2025	21:50	LB136344
	Zinc	2530	2500	101	90 - 110	P	07/01/2025	21:50	LB136344



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

Metals

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CRDL STANDARD FOR AA & ICP

Client: CDM Smith SDG No.: Q2436
Contract: CAMP02 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.18	0.2	89	70 - 130	CV	06/30/2025	13:38	LB136329
CRI01	Aluminum	95.2	100	95	65 - 135	P	07/01/2025	13:48	LB136344
	Antimony	49.5	50.0	99	65 - 135	P	07/01/2025	13:48	LB136344
	Arsenic	23.6	20.0	118	65 - 135	P	07/01/2025	13:48	LB136344
	Barium	87.2	100	87	65 - 135	P	07/01/2025	13:48	LB136344
	Beryllium	5.86	6.0	98	65 - 135	P	07/01/2025	13:48	LB136344
	Cadmium	5.88	6.0	98	65 - 135	P	07/01/2025	13:48	LB136344
	Calcium	1970	2000	99	65 - 135	P	07/01/2025	13:48	LB136344
	Chromium	10.7	10.0	107	65 - 135	P	07/01/2025	13:48	LB136344
	Cobalt	30.0	30.0	100	65 - 135	P	07/01/2025	13:48	LB136344
	Copper	21.5	20.0	107	65 - 135	P	07/01/2025	13:48	LB136344
	Iron	111	100	111	65 - 135	P	07/01/2025	13:48	LB136344
	Lead	11.1	12.0	93	65 - 135	P	07/01/2025	13:48	LB136344
	Magnesium	2030	2000	101	65 - 135	P	07/01/2025	13:48	LB136344
	Manganese	19.7	20.0	98	65 - 135	P	07/01/2025	13:48	LB136344
	Nickel	40.7	40.0	102	65 - 135	P	07/01/2025	13:48	LB136344
	Potassium	2100	2000	105	65 - 135	P	07/01/2025	13:48	LB136344
	Selenium	18.4	20.0	92	65 - 135	P	07/01/2025	13:48	LB136344
	Silver	9.62	10.0	96	65 - 135	P	07/01/2025	13:48	LB136344
	Sodium	2070	2000	104	65 - 135	P	07/01/2025	13:48	LB136344
	Thallium	41.5	40.0	104	65 - 135	P	07/01/2025	13:48	LB136344
	Vanadium	38.8	40.0	97	65 - 135	P	07/01/2025	13:48	LB136344
	Zinc	41.6	40.0	104	65 - 135	P	07/01/2025	13:48	LB136344



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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	CDM Smith				SDG No.:	Q2436				
Contract:	CAMP02	Lab Code:	CHEM	Case No.:	Q2436		SAS No.:	Q2436		
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
ICB12	Mercury	0.076	+/-0.2	U	0.20	CV	06/30/2025	13:31	LB136329	

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith		SDG No.: Q2436							
Contract: CAMP02	Lab Code: CHEM	Case No.: Q2436	SAS No.: Q2436						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB36	Mercury	0.076	+/-0.2	U	0.20	CV	06/30/2025	13:36	LB136329
CCB37	Mercury	0.076	+/-0.2	U	0.20	CV	06/30/2025	14:06	LB136329
CCB38	Mercury	0.076	+/-0.2	U	0.20	CV	06/30/2025	14:33	LB136329
CCB39	Mercury	0.076	+/-0.2	U	0.20	CV	06/30/2025	15:00	LB136329

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith		SDG No.: Q2436							
Contract: CAMP02	Lab Code: CHEM	Case No.: Q2436	SAS No.: Q2436						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	24.7	+/-50	J	100	P	07/01/2025	13:38	LB136344
	Antimony	6.76	+/-25	U	50.0	P	07/01/2025	13:38	LB136344
	Arsenic	5.12	+/-10	U	20.0	P	07/01/2025	13:38	LB136344
	Barium	14.6	+/-50	U	100	P	07/01/2025	13:38	LB136344
	Beryllium	0.56	+/-3	U	6.00	P	07/01/2025	13:38	LB136344
	Cadmium	0.50	+/-3	U	6.00	P	07/01/2025	13:38	LB136344
	Calcium	234	+/-1000	U	2000	P	07/01/2025	13:38	LB136344
	Chromium	2.12	+/-5	U	10.0	P	07/01/2025	13:38	LB136344
	Cobalt	2.26	+/-15	U	30.0	P	07/01/2025	13:38	LB136344
	Copper	4.60	+/-10	U	20.0	P	07/01/2025	13:38	LB136344
	Iron	23.4	+/-50	U	100	P	07/01/2025	13:38	LB136344
	Lead	2.30	+/-6	U	12.0	P	07/01/2025	13:38	LB136344
	Magnesium	244	+/-1000	U	2000	P	07/01/2025	13:38	LB136344
	Manganese	5.94	+/-10	U	20.0	P	07/01/2025	13:38	LB136344
	Nickel	3.06	+/-20	U	40.0	P	07/01/2025	13:38	LB136344
	Potassium	918	+/-1000	U	2000	P	07/01/2025	13:38	LB136344
	Selenium	9.64	+/-10	U	20.0	P	07/01/2025	13:38	LB136344
	Silver	1.62	+/-5	U	10.0	P	07/01/2025	13:38	LB136344
	Sodium	868	+/-1000	U	2000	P	07/01/2025	13:38	LB136344
	Thallium	4.38	+/-20	U	40.0	P	07/01/2025	13:38	LB136344
	Vanadium	6.26	+/-20	U	40.0	P	07/01/2025	13:38	LB136344
	Zinc	16.7	+/-20	U	40.0	P	07/01/2025	13:38	LB136344

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith		SDG No.: Q2436							
Contract: CAMP02	Lab Code: CHEM	Case No.: Q2436	SAS No.: Q2436						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	07/01/2025	14:23	LB136344
	Antimony	6.76	+/-25	U	50.0	P	07/01/2025	14:23	LB136344
	Arsenic	5.12	+/-10	U	20.0	P	07/01/2025	14:23	LB136344
	Barium	14.6	+/-50	U	100	P	07/01/2025	14:23	LB136344
	Beryllium	0.56	+/-3	U	6.00	P	07/01/2025	14:23	LB136344
	Cadmium	0.50	+/-3	U	6.00	P	07/01/2025	14:23	LB136344
	Calcium	234	+/-1000	U	2000	P	07/01/2025	14:23	LB136344
	Chromium	2.12	+/-5	U	10.0	P	07/01/2025	14:23	LB136344
	Cobalt	2.26	+/-15	U	30.0	P	07/01/2025	14:23	LB136344
	Copper	4.60	+/-10	U	20.0	P	07/01/2025	14:23	LB136344
	Iron	23.4	+/-50	U	100	P	07/01/2025	14:23	LB136344
	Lead	2.30	+/-6	U	12.0	P	07/01/2025	14:23	LB136344
	Magnesium	244	+/-1000	U	2000	P	07/01/2025	14:23	LB136344
	Manganese	5.94	+/-10	U	20.0	P	07/01/2025	14:23	LB136344
	Nickel	3.06	+/-20	U	40.0	P	07/01/2025	14:23	LB136344
	Potassium	918	+/-1000	U	2000	P	07/01/2025	14:23	LB136344
	Selenium	9.64	+/-10	U	20.0	P	07/01/2025	14:23	LB136344
	Silver	1.62	+/-5	U	10.0	P	07/01/2025	14:23	LB136344
	Sodium	868	+/-1000	U	2000	P	07/01/2025	14:23	LB136344
	Thallium	4.38	+/-20	U	40.0	P	07/01/2025	14:23	LB136344
	Vanadium	6.26	+/-20	U	40.0	P	07/01/2025	14:23	LB136344
	Zinc	16.7	+/-20	U	40.0	P	07/01/2025	14:23	LB136344
CCB02	Aluminum	11.3	+/-50	U	100	P	07/01/2025	15:46	LB136344
	Antimony	6.76	+/-25	U	50.0	P	07/01/2025	15:46	LB136344
	Arsenic	5.12	+/-10	U	20.0	P	07/01/2025	15:46	LB136344
	Barium	14.6	+/-50	U	100	P	07/01/2025	15:46	LB136344
	Beryllium	0.56	+/-3	U	6.00	P	07/01/2025	15:46	LB136344
	Cadmium	0.50	+/-3	U	6.00	P	07/01/2025	15:46	LB136344
	Calcium	234	+/-1000	U	2000	P	07/01/2025	15:46	LB136344
	Chromium	2.12	+/-5	U	10.0	P	07/01/2025	15:46	LB136344
	Cobalt	2.26	+/-15	U	30.0	P	07/01/2025	15:46	LB136344
	Copper	4.60	+/-10	U	20.0	P	07/01/2025	15:46	LB136344
	Iron	23.4	+/-50	U	100	P	07/01/2025	15:46	LB136344
	Lead	2.30	+/-6	U	12.0	P	07/01/2025	15:46	LB136344
	Magnesium	244	+/-1000	U	2000	P	07/01/2025	15:46	LB136344
	Manganese	5.94	+/-10	U	20.0	P	07/01/2025	15:46	LB136344
	Nickel	3.06	+/-20	U	40.0	P	07/01/2025	15:46	LB136344
	Potassium	918	+/-1000	U	2000	P	07/01/2025	15:46	LB136344
	Selenium	9.64	+/-10	U	20.0	P	07/01/2025	15:46	LB136344

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith		SDG No.: Q2436							
Contract: CAMP02	Lab Code: CHEM	Case No.: Q2436	SAS No.: Q2436						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	07/01/2025	15:46	LB136344
	Sodium	868	+/-1000	U	2000	P	07/01/2025	15:46	LB136344
	Thallium	4.38	+/-20	U	40.0	P	07/01/2025	15:46	LB136344
	Vanadium	6.26	+/-20	U	40.0	P	07/01/2025	15:46	LB136344
	Zinc	16.7	+/-20	U	40.0	P	07/01/2025	15:46	LB136344
CCB03	Aluminum	11.3	+/-50	U	100	P	07/01/2025	16:42	LB136344
	Antimony	6.76	+/-25	U	50.0	P	07/01/2025	16:42	LB136344
	Arsenic	5.12	+/-10	U	20.0	P	07/01/2025	16:42	LB136344
	Barium	14.6	+/-50	U	100	P	07/01/2025	16:42	LB136344
	Beryllium	0.56	+/-3	U	6.00	P	07/01/2025	16:42	LB136344
	Cadmium	0.50	+/-3	U	6.00	P	07/01/2025	16:42	LB136344
	Calcium	234	+/-1000	U	2000	P	07/01/2025	16:42	LB136344
	Chromium	2.12	+/-5	U	10.0	P	07/01/2025	16:42	LB136344
	Cobalt	2.26	+/-15	U	30.0	P	07/01/2025	16:42	LB136344
	Copper	4.60	+/-10	U	20.0	P	07/01/2025	16:42	LB136344
	Iron	23.4	+/-50	U	100	P	07/01/2025	16:42	LB136344
	Lead	2.30	+/-6	U	12.0	P	07/01/2025	16:42	LB136344
	Magnesium	244	+/-1000	U	2000	P	07/01/2025	16:42	LB136344
	Manganese	5.94	+/-10	U	20.0	P	07/01/2025	16:42	LB136344
	Nickel	3.06	+/-20	U	40.0	P	07/01/2025	16:42	LB136344
	Potassium	918	+/-1000	U	2000	P	07/01/2025	16:42	LB136344
	Selenium	9.64	+/-10	U	20.0	P	07/01/2025	16:42	LB136344
	Silver	1.62	+/-5	U	10.0	P	07/01/2025	16:42	LB136344
	Sodium	868	+/-1000	U	2000	P	07/01/2025	16:42	LB136344
	Thallium	4.38	+/-20	U	40.0	P	07/01/2025	16:42	LB136344
	Vanadium	6.26	+/-20	U	40.0	P	07/01/2025	16:42	LB136344
	Zinc	16.7	+/-20	U	40.0	P	07/01/2025	16:42	LB136344
CCB04	Aluminum	11.3	+/-50	U	100	P	07/01/2025	17:30	LB136344
	Antimony	6.76	+/-25	U	50.0	P	07/01/2025	17:30	LB136344
	Arsenic	5.12	+/-10	U	20.0	P	07/01/2025	17:30	LB136344
	Barium	14.6	+/-50	U	100	P	07/01/2025	17:30	LB136344
	Beryllium	0.56	+/-3	U	6.00	P	07/01/2025	17:30	LB136344
	Cadmium	0.50	+/-3	U	6.00	P	07/01/2025	17:30	LB136344
	Calcium	234	+/-1000	U	2000	P	07/01/2025	17:30	LB136344
	Chromium	2.12	+/-5	U	10.0	P	07/01/2025	17:30	LB136344
	Cobalt	2.26	+/-15	U	30.0	P	07/01/2025	17:30	LB136344
	Copper	4.60	+/-10	U	20.0	P	07/01/2025	17:30	LB136344
	Iron	23.4	+/-50	U	100	P	07/01/2025	17:30	LB136344
	Lead	2.30	+/-6	U	12.0	P	07/01/2025	17:30	LB136344

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith		SDG No.: Q2436							
Contract: CAMP02	Lab Code: CHEM	Case No.: Q2436	SAS No.: Q2436						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	07/01/2025	17:30	LB136344
	Manganese	5.94	+/-10	U	20.0	P	07/01/2025	17:30	LB136344
	Nickel	3.06	+/-20	U	40.0	P	07/01/2025	17:30	LB136344
	Potassium	918	+/-1000	U	2000	P	07/01/2025	17:30	LB136344
	Selenium	9.64	+/-10	U	20.0	P	07/01/2025	17:30	LB136344
	Silver	1.62	+/-5	U	10.0	P	07/01/2025	17:30	LB136344
	Sodium	868	+/-1000	U	2000	P	07/01/2025	17:30	LB136344
	Thallium	4.38	+/-20	U	40.0	P	07/01/2025	17:30	LB136344
	Vanadium	6.26	+/-20	U	40.0	P	07/01/2025	17:30	LB136344
	Zinc	16.7	+/-20	U	40.0	P	07/01/2025	17:30	LB136344
CCB05	Aluminum	11.3	+/-50	U	100	P	07/01/2025	18:39	LB136344
	Antimony	6.76	+/-25	U	50.0	P	07/01/2025	18:39	LB136344
	Arsenic	5.12	+/-10	U	20.0	P	07/01/2025	18:39	LB136344
	Barium	14.6	+/-50	U	100	P	07/01/2025	18:39	LB136344
	Beryllium	0.56	+/-3	U	6.00	P	07/01/2025	18:39	LB136344
	Cadmium	0.50	+/-3	U	6.00	P	07/01/2025	18:39	LB136344
	Calcium	234	+/-1000	U	2000	P	07/01/2025	18:39	LB136344
	Chromium	2.12	+/-5	U	10.0	P	07/01/2025	18:39	LB136344
	Cobalt	2.26	+/-15	U	30.0	P	07/01/2025	18:39	LB136344
	Copper	4.60	+/-10	U	20.0	P	07/01/2025	18:39	LB136344
	Iron	23.4	+/-50	U	100	P	07/01/2025	18:39	LB136344
	Lead	2.30	+/-6	U	12.0	P	07/01/2025	18:39	LB136344
	Magnesium	244	+/-1000	U	2000	P	07/01/2025	18:39	LB136344
	Manganese	5.94	+/-10	U	20.0	P	07/01/2025	18:39	LB136344
	Nickel	3.06	+/-20	U	40.0	P	07/01/2025	18:39	LB136344
	Potassium	918	+/-1000	U	2000	P	07/01/2025	18:39	LB136344
	Selenium	9.64	+/-10	U	20.0	P	07/01/2025	18:39	LB136344
	Silver	1.62	+/-5	U	10.0	P	07/01/2025	18:39	LB136344
	Sodium	868	+/-1000	U	2000	P	07/01/2025	18:39	LB136344
	Thallium	4.38	+/-20	U	40.0	P	07/01/2025	18:39	LB136344
	Vanadium	6.26	+/-20	U	40.0	P	07/01/2025	18:39	LB136344
	Zinc	16.7	+/-20	U	40.0	P	07/01/2025	18:39	LB136344
CCB06	Aluminum	11.3	+/-50	U	100	P	07/01/2025	20:34	LB136344
	Antimony	6.76	+/-25	U	50.0	P	07/01/2025	20:34	LB136344
	Arsenic	5.12	+/-10	U	20.0	P	07/01/2025	20:34	LB136344
	Barium	14.6	+/-50	U	100	P	07/01/2025	20:34	LB136344
	Beryllium	0.56	+/-3	U	6.00	P	07/01/2025	20:34	LB136344
	Cadmium	0.50	+/-3	U	6.00	P	07/01/2025	20:34	LB136344
	Calcium	234	+/-1000	U	2000	P	07/01/2025	20:34	LB136344

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith		SDG No.: Q2436							
Contract: CAMP02	Lab Code: CHEM	Case No.: Q2436	SAS No.: Q2436						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	07/01/2025	20:34	LB136344
	Cobalt	2.26	+/-15	U	30.0	P	07/01/2025	20:34	LB136344
	Copper	4.60	+/-10	U	20.0	P	07/01/2025	20:34	LB136344
	Iron	23.4	+/-50	U	100	P	07/01/2025	20:34	LB136344
	Lead	2.30	+/-6	U	12.0	P	07/01/2025	20:34	LB136344
	Magnesium	244	+/-1000	U	2000	P	07/01/2025	20:34	LB136344
	Manganese	5.94	+/-10	U	20.0	P	07/01/2025	20:34	LB136344
	Nickel	3.06	+/-20	U	40.0	P	07/01/2025	20:34	LB136344
	Potassium	918	+/-1000	U	2000	P	07/01/2025	20:34	LB136344
	Selenium	9.64	+/-10	U	20.0	P	07/01/2025	20:34	LB136344
	Silver	1.62	+/-5	U	10.0	P	07/01/2025	20:34	LB136344
	Sodium	868	+/-1000	U	2000	P	07/01/2025	20:34	LB136344
	Thallium	4.38	+/-20	U	40.0	P	07/01/2025	20:34	LB136344
	Vanadium	6.26	+/-20	U	40.0	P	07/01/2025	20:34	LB136344
	Zinc	16.7	+/-20	U	40.0	P	07/01/2025	20:34	LB136344
CCB07	Aluminum	11.3	+/-50	U	100	P	07/01/2025	21:27	LB136344
	Antimony	6.76	+/-25	U	50.0	P	07/01/2025	21:27	LB136344
	Arsenic	5.12	+/-10	U	20.0	P	07/01/2025	21:27	LB136344
	Barium	14.6	+/-50	U	100	P	07/01/2025	21:27	LB136344
	Beryllium	0.56	+/-3	U	6.00	P	07/01/2025	21:27	LB136344
	Cadmium	0.50	+/-3	U	6.00	P	07/01/2025	21:27	LB136344
	Calcium	234	+/-1000	U	2000	P	07/01/2025	21:27	LB136344
	Chromium	2.12	+/-5	U	10.0	P	07/01/2025	21:27	LB136344
	Cobalt	2.26	+/-15	U	30.0	P	07/01/2025	21:27	LB136344
	Copper	4.60	+/-10	U	20.0	P	07/01/2025	21:27	LB136344
	Iron	23.4	+/-50	U	100	P	07/01/2025	21:27	LB136344
	Lead	2.30	+/-6	U	12.0	P	07/01/2025	21:27	LB136344
	Magnesium	244	+/-1000	U	2000	P	07/01/2025	21:27	LB136344
	Manganese	5.94	+/-10	U	20.0	P	07/01/2025	21:27	LB136344
	Nickel	3.06	+/-20	U	40.0	P	07/01/2025	21:27	LB136344
	Potassium	918	+/-1000	U	2000	P	07/01/2025	21:27	LB136344
	Selenium	9.64	+/-10	U	20.0	P	07/01/2025	21:27	LB136344
	Silver	1.62	+/-5	U	10.0	P	07/01/2025	21:27	LB136344
	Sodium	943	+/-1000	J	2000	P	07/01/2025	21:27	LB136344
	Thallium	4.38	+/-20	U	40.0	P	07/01/2025	21:27	LB136344
	Vanadium	6.26	+/-20	U	40.0	P	07/01/2025	21:27	LB136344
	Zinc	16.7	+/-20	U	40.0	P	07/01/2025	21:27	LB136344
CCB08	Aluminum	11.3	+/-50	U	100	P	07/01/2025	21:54	LB136344
	Antimony	6.76	+/-25	U	50.0	P	07/01/2025	21:54	LB136344

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith		SDG No.: Q2436							
Contract: CAMP02	Lab Code: CHEM	Case No.: Q2436	SAS No.: Q2436						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	07/01/2025	21:54	LB136344
	Barium	14.6	+/-50	U	100	P	07/01/2025	21:54	LB136344
	Beryllium	0.56	+/-3	U	6.00	P	07/01/2025	21:54	LB136344
	Cadmium	0.50	+/-3	U	6.00	P	07/01/2025	21:54	LB136344
	Calcium	234	+/-1000	U	2000	P	07/01/2025	21:54	LB136344
	Chromium	2.12	+/-5	U	10.0	P	07/01/2025	21:54	LB136344
	Cobalt	2.26	+/-15	U	30.0	P	07/01/2025	21:54	LB136344
	Copper	4.60	+/-10	U	20.0	P	07/01/2025	21:54	LB136344
	Iron	23.4	+/-50	U	100	P	07/01/2025	21:54	LB136344
	Lead	2.30	+/-6	U	12.0	P	07/01/2025	21:54	LB136344
	Magnesium	244	+/-1000	U	2000	P	07/01/2025	21:54	LB136344
	Manganese	5.94	+/-10	U	20.0	P	07/01/2025	21:54	LB136344
	Nickel	3.06	+/-20	U	40.0	P	07/01/2025	21:54	LB136344
	Potassium	918	+/-1000	U	2000	P	07/01/2025	21:54	LB136344
	Selenium	9.64	+/-10	U	20.0	P	07/01/2025	21:54	LB136344
	Silver	1.62	+/-5	U	10.0	P	07/01/2025	21:54	LB136344
	Sodium	868	+/-1000	U	2000	P	07/01/2025	21:54	LB136344
	Thallium	4.38	+/-20	U	40.0	P	07/01/2025	21:54	LB136344
	Vanadium	6.26	+/-20	U	40.0	P	07/01/2025	21:54	LB136344
	Zinc	16.7	+/-20	U	40.0	P	07/01/2025	21:54	LB136344

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2436

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168665BL		SOLID		Batch Number:	PB168665		Prep Date:	06/27/2025	
	Mercury	0.0080	<0.014	U	0.014	CV	06/30/2025	13:48	LB136329

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2436

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168648BL	SOLID			Batch Number:	PB168648		Prep Date:	06/27/2025	
	Aluminum	0.84	<2.5	U	5.00	P	07/01/2025	16:21	LB136344
	Antimony	0.22	<1.25	U	2.50	P	07/01/2025	16:21	LB136344
	Arsenic	0.19	<0.5	U	1.00	P	07/01/2025	16:21	LB136344
	Barium	0.73	<2.5	U	5.00	P	07/01/2025	16:21	LB136344
	Beryllium	0.025	<0.15	U	0.30	P	07/01/2025	16:21	LB136344
	Cadmium	0.024	<0.15	U	0.30	P	07/01/2025	16:21	LB136344
	Calcium	11.1	<50	U	100	P	07/01/2025	16:21	LB136344
	Chromium	0.047	<0.25	U	0.50	P	07/01/2025	16:21	LB136344
	Cobalt	0.10	<0.75	U	1.50	P	07/01/2025	16:21	LB136344
	Copper	0.22	<0.5	U	1.00	P	07/01/2025	16:21	LB136344
	Iron	3.99	<2.5	U	5.00	P	07/01/2025	16:21	LB136344
	Lead	0.13	<0.3	U	0.60	P	07/01/2025	16:21	LB136344
	Magnesium	12.0	<50	U	100	P	07/01/2025	16:21	LB136344
	Manganese	0.14	<0.5	U	1.00	P	07/01/2025	16:21	LB136344
	Nickel	0.13	<1	U	2.00	P	07/01/2025	16:21	LB136344
	Potassium	27.7	<50	U	100	P	07/01/2025	16:21	LB136344
	Selenium	0.26	<0.5	U	1.00	P	07/01/2025	16:21	LB136344
	Silver	0.12	<0.25	U	0.50	P	07/01/2025	16:21	LB136344
	Sodium	17.8	<50	U	100	P	07/01/2025	16:21	LB136344
	Thallium	0.23	<1	U	2.00	P	07/01/2025	16:21	LB136344
	Vanadium	0.25	<1	U	2.00	P	07/01/2025	16:21	LB136344
	Zinc	0.23	<1	U	2.00	P	07/01/2025	16:21	LB136344

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2436
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436
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	237000	255000	93	216000	294000	07/01/2025	13:52	LB136344
	Antimony	3.01			-50	50	07/01/2025	13:52	LB136344
	Arsenic	0.28			-20	20	07/01/2025	13:52	LB136344
	Barium	-3.18	6.0	53	-94	106	07/01/2025	13:52	LB136344
	Beryllium	1.03			-6	6	07/01/2025	13:52	LB136344
	Cadmium	-4.49	1.0	449	-5	7	07/01/2025	13:52	LB136344
	Calcium	228000	245000	93	208000	282000	07/01/2025	13:52	LB136344
	Chromium	58.9	52.0	113	42	62	07/01/2025	13:52	LB136344
	Cobalt	0.56			-30	30	07/01/2025	13:52	LB136344
	Copper	-12.2	2.0	610	-18	22	07/01/2025	13:52	LB136344
	Iron	101000	101000	100	85600	116500	07/01/2025	13:52	LB136344
	Lead	-9.53			-12	12	07/01/2025	13:52	LB136344
	Magnesium	237000	255000	93	216000	294000	07/01/2025	13:52	LB136344
	Manganese	4.50	7.0	64	-13	27	07/01/2025	13:52	LB136344
	Nickel	11.6	2.0	580	-38	42	07/01/2025	13:52	LB136344
	Potassium	53.6			0	0	07/01/2025	13:52	LB136344
	Selenium	4.84			-20	20	07/01/2025	13:52	LB136344
	Silver	-2.15			-10	10	07/01/2025	13:52	LB136344
	Sodium	46.2			0	0	07/01/2025	13:52	LB136344
	Thallium	3.45			-40	40	07/01/2025	13:52	LB136344
	Vanadium	1.97			-40	40	07/01/2025	13:52	LB136344
	Zinc	1.98			-40	40	07/01/2025	13:52	LB136344
ICSAB01	Aluminum	236000	247000	96	209000	285000	07/01/2025	13:56	LB136344
	Antimony	620	618	100	525	711	07/01/2025	13:56	LB136344
	Arsenic	101	104	97	88.4	120	07/01/2025	13:56	LB136344
	Barium	468	537	87	437	637	07/01/2025	13:56	LB136344
	Beryllium	468	495	94	420	570	07/01/2025	13:56	LB136344
	Cadmium	970	972	100	826	1120	07/01/2025	13:56	LB136344
	Calcium	227000	235000	97	199000	271000	07/01/2025	13:56	LB136344
	Chromium	552	542	102	460	624	07/01/2025	13:56	LB136344
	Cobalt	491	476	103	404	548	07/01/2025	13:56	LB136344
	Copper	475	511	93	434	588	07/01/2025	13:56	LB136344
	Iron	100000	99300	101	84400	114500	07/01/2025	13:56	LB136344
	Lead	38.6	49.0	79	37	61	07/01/2025	13:56	LB136344
	Magnesium	235000	248000	95	210000	286000	07/01/2025	13:56	LB136344
	Manganese	483	507	95	430	584	07/01/2025	13:56	LB136344
	Nickel	981	954	103	810	1100	07/01/2025	13:56	LB136344
	Potassium	14.0			0	0	07/01/2025	13:56	LB136344
	Selenium	56.7	46.0	123	26	66	07/01/2025	13:56	LB136344
	Silver	229	201	114	170	232	07/01/2025	13:56	LB136344
	Sodium	51.9			0	0	07/01/2025	13:56	LB136344
	Thallium	91.9	108	85	68	148	07/01/2025	13:56	LB136344

Metals

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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2436
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436
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	475	491	97	417	565	07/01/2025	13:56	LB136344
	Zinc	1030	952	108	809	1095	07/01/2025	13:56	LB136344



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2436
contract: CAMP02 **lab code:** CHEM **case no.:** Q2436 **sas no.:** Q2436
matrix: Solid **sample id:** Q2436-10 **client id:** TP-82MS
Percent Solids for Sample: 92 **Spiked ID:** Q2436-10MS **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	1640		1050		100	591		P
Antimony	mg/Kg	75 - 125	25.1		2.52	U	40.4	62	N	P
Arsenic	mg/Kg	75 - 125	36.5		1.03		40.4	88		P
Barium	mg/Kg	75 - 125	19.8		8.54		10.1	111		P
Beryllium	mg/Kg	75 - 125	8.33		0.20	J	10.1	81		P
Cadmium	mg/Kg	75 - 125	8.84		0.30	U	10.1	88		P
Calcium	mg/Kg	75 - 125	173		174		50.6	-2	N	P
Chromium	mg/Kg	75 - 125	20.3		3.04		20.2	85		P
Cobalt	mg/Kg	75 - 125	10.9		1.28	J	10.1	95		P
Copper	mg/Kg	75 - 125	14.5		0.86	J	15.2	90		P
Iron	mg/Kg	75 - 125	6950		7140		150	-124		P
Lead	mg/Kg	75 - 125	50.1		3.84		50.6	91		P
Magnesium	mg/Kg	75 - 125	133		83.6	J	100	49	N	P
Manganese	mg/Kg	75 - 125	28.8		19.7		10.1	90		P
Nickel	mg/Kg	75 - 125	25.1		1.05	J	25.3	95		P
Potassium	mg/Kg	75 - 125	501		45.1	J	510	89		P
Selenium	mg/Kg	75 - 125	90.4		1.72		100	89		P
Silver	mg/Kg	75 - 125	3.63		0.38	J	3.8	85		P
Sodium	mg/Kg	75 - 125	346		171		150	116		P
Thallium	mg/Kg	75 - 125	93.4		2.01	U	100	93		P
Vanadium	mg/Kg	75 - 125	21.7		9.07		15.2	83		P
Zinc	mg/Kg	75 - 125	16.4		6.28		10.1	100		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2436
contract: CAMP02 **lab code:** CHEM **case no.:** Q2436 **sas no.:** Q2436
matrix: Solid **sample id:** Q2436-10 **client id:** TP-82MSD
Percent Solids for Sample: 92 **Spiked ID:** Q2436-10MSD **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	1810		1050		96.2	796		P
Antimony	mg/Kg	75 - 125	23.1		2.52	U	38.5	60	N	P
Arsenic	mg/Kg	75 - 125	36.5		1.03		38.5	92		P
Barium	mg/Kg	75 - 125	22.1		8.54		9.6	141	N	P
Beryllium	mg/Kg	75 - 125	8.13		0.20	J	9.6	83		P
Cadmium	mg/Kg	75 - 125	8.76		0.30	U	9.6	91		P
Calcium	mg/Kg	75 - 125	198		174		48.1	50	N	P
Chromium	mg/Kg	75 - 125	20.5		3.04		19.2	91		P
Cobalt	mg/Kg	75 - 125	12.1		1.28	J	9.6	112		P
Copper	mg/Kg	75 - 125	14.8		0.86	J	14.4	97		P
Iron	mg/Kg	75 - 125	7690		7140		140	396		P
Lead	mg/Kg	75 - 125	50.3		3.84		48.1	97		P
Magnesium	mg/Kg	75 - 125	143		83.6	J	96.2	61	N	P
Manganese	mg/Kg	75 - 125	46.6		19.7		9.6	280	N	P
Nickel	mg/Kg	75 - 125	25.1		1.05	J	24.0	100		P
Potassium	mg/Kg	75 - 125	506		45.1	J	480	96		P
Selenium	mg/Kg	75 - 125	89.7		1.72		96.2	91		P
Silver	mg/Kg	75 - 125	3.69		0.38	J	3.6	92		P
Sodium	mg/Kg	75 - 125	334		171		140	117		P
Thallium	mg/Kg	75 - 125	91.1		2.01	U	96.2	95		P
Vanadium	mg/Kg	75 - 125	24.5		9.07		14.4	107		P
Zinc	mg/Kg	75 - 125	17.8		6.28		9.6	120		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2436
contract: CAMP02 **lab code:** CHEM **case no.:** Q2436 **sas no.:** Q2436
matrix: Solid **sample id:** Q2452-05 **client id:** EP-2MS
Percent Solids for Sample: 87 **Spiked ID:** Q2452-05MS **Percent Solids for Spike Sample:** 87

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.017		0.28	96		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>CDM Smith</u>	level:	<u>low</u>	sdg no.:	<u>Q2436</u>		
contract:	<u>CAMP02</u>	lab code:	<u>CHEM</u>	case no.:	<u>Q2436</u>	sas no.:	<u>Q2436</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2452-05</u>	client id:	<u>EP-2MSD</u>		
Percent Solids for Sample:	<u>87</u>	Spiked ID:	<u>Q2452-05MSD</u>	Percent Solids for Spike Sample:	<u>87</u>		

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.33		0.017		0.31	102		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: CDM Smith **SDG No.:** Q2436
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436
Matrix: Solid **Level:** LOW **Client ID:** TP-82A
Sample ID: Q2436-10 **Spiked ID:** Q2436-10A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	38.7		2.52	U	40.3	96		P
Barium	mg/Kg	75 - 125	17.2		8.54		10.1	85		P
Calcium	mg/Kg	75 - 125	217		174		50.3	86		P
Magnesium	mg/Kg	75 - 125	171		83.6	J	100	87		P
Manganese	mg/Kg	75 - 125	24.5		19.7		10.1	47	N	P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2436
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436
Matrix: Solid **Sample ID:** Q2436-10 **Client ID:** TP-82DUP
Percent Solids for Sample: 92 **Duplicate ID** Q2436-10DUP **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	1050		961		9		P
Antimony	mg/Kg	20	2.52	U	2.31	U			P
Arsenic	mg/Kg	20	1.03		1.03		0		P
Barium	mg/Kg	20	8.54		7.90		8		P
Beryllium	mg/Kg	20	0.20	J	0.20	J	0		P
Cadmium	mg/Kg	20	0.30	U	0.28	U			P
Calcium	mg/Kg	20	174		160		8		P
Chromium	mg/Kg	20	3.04		2.71		11		P
Cobalt	mg/Kg	20	1.28	J	1.60		22	*	P
Copper	mg/Kg	20	0.86	J	0.78	J	10		P
Iron	mg/Kg	20	7140		6690		7		P
Lead	mg/Kg	20	3.84		4.04		5		P
Magnesium	mg/Kg	20	83.6	J	71.3	J	16		P
Manganese	mg/Kg	20	19.7		25.6		26	*	P
Nickel	mg/Kg	20	1.05	J	1.01	J	4		P
Potassium	mg/Kg	20	45.1	J	44.7	J	1		P
Selenium	mg/Kg	20	1.72		1.52		12		P
Silver	mg/Kg	20	0.38	J	0.35	J	10		P
Sodium	mg/Kg	20	171		165		4		P
Thallium	mg/Kg	20	2.01	U	1.85	U			P
Vanadium	mg/Kg	20	9.07		8.77		3		P
Zinc	mg/Kg	20	6.28		6.10		3		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2436
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436
Matrix: Solid **Sample ID:** Q2436-10MS **Client ID:** TP-82MSD
Percent Solids for Sample: 92 **Duplicate ID** Q2436-10MSD **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	1640		1810		10		P
Antimony	mg/Kg	20	25.1		23.1		8		P
Arsenic	mg/Kg	20	36.5		36.5		0		P
Barium	mg/Kg	20	19.8		22.1		11		P
Beryllium	mg/Kg	20	8.33		8.13		2		P
Cadmium	mg/Kg	20	8.84		8.76		1		P
Calcium	mg/Kg	20	173		198		13		P
Chromium	mg/Kg	20	20.3		20.5		1		P
Cobalt	mg/Kg	20	10.9		12.1		10		P
Copper	mg/Kg	20	14.5		14.8		2		P
Iron	mg/Kg	20	6950		7690		10		P
Lead	mg/Kg	20	50.1		50.3		0		P
Magnesium	mg/Kg	20	133		143		7		P
Manganese	mg/Kg	20	28.8		46.6		47	*	P
Nickel	mg/Kg	20	25.1		25.1		0		P
Potassium	mg/Kg	20	501		506		1		P
Selenium	mg/Kg	20	90.4		89.7		1		P
Silver	mg/Kg	20	3.63		3.69		2		P
Sodium	mg/Kg	20	346		334		4		P
Thallium	mg/Kg	20	93.4		91.1		2		P
Vanadium	mg/Kg	20	21.7		24.5		12		P
Zinc	mg/Kg	20	16.4		17.8		8		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2436</u>
Contract:	<u>CAMP02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2436</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2452-05</u>	Client ID:	<u>EP-2DUP</u>
Percent Solids for Sample:	87	Duplicate ID	Q2452-05DUP	Percent Solids for Spike Sample:	87

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.017		0.018		6		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2436
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436
Matrix: Solid **Sample ID:** Q2452-05MS **Client ID:** EP-2MSD
Percent Solids for Sample: 87 **Duplicate ID** Q2452-05MSD **Percent Solids for Spike Sample:** 87

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.29		0.33		15		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q2436
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168648BS							
Aluminum	mg/Kg	100	91.1		91	80 - 120	P
Antimony	mg/Kg	40.0	38.9		97	80 - 120	P
Arsenic	mg/Kg	40.0	37.5		94	80 - 120	P
Barium	mg/Kg	10.0	8.43		84	80 - 120	P
Beryllium	mg/Kg	10.0	9.28		93	80 - 120	P
Cadmium	mg/Kg	10.0	9.19		92	80 - 120	P
Calcium	mg/Kg	50.0	46.8	J	94	80 - 120	P
Chromium	mg/Kg	20.0	19.0		95	80 - 120	P
Cobalt	mg/Kg	10.0	9.41		94	80 - 120	P
Copper	mg/Kg	15.0	14.8		99	80 - 120	P
Iron	mg/Kg	150	142		95	80 - 120	P
Lead	mg/Kg	50.0	46.1		92	80 - 120	P
Magnesium	mg/Kg	100	91.5	J	92	80 - 120	P
Manganese	mg/Kg	10.0	9.41		94	80 - 120	P
Nickel	mg/Kg	25.0	23.5		94	80 - 120	P
Potassium	mg/Kg	500	470		94	80 - 120	P
Selenium	mg/Kg	100	95.8		96	80 - 120	P
Silver	mg/Kg	3.8	3.52		93	80 - 120	P
Sodium	mg/Kg	150	148		99	80 - 120	P
Thallium	mg/Kg	100	94.2		94	80 - 120	P
Vanadium	mg/Kg	15.0	13.6		91	80 - 120	P
Zinc	mg/Kg	10.0	9.98		100	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q2436
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2436 **SAS No.:** Q2436

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168665BS Mercury	mg/Kg	0.27	0.24		90	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-82L

Lab Name: Chemtech Consulting Group

Contract: CAMP02

Lab Code: CHEM Lb No.: lb136344 Lab Sample ID : Q2436-10L SDG No.: Q2436

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Differ-ence	Q	M
	C			C					
Aluminum		1050			1150		9		P
Antimony		2.52	U		12.6	U			P
Arsenic		1.03			5.03	U	100.0		P
Barium		8.54			6.04	J	29		P
Beryllium		0.20	J		0.23	J	12		P
Cadmium		0.30	U		1.51	U			P
Calcium		174			184	J	6		P
Chromium		3.04			3.24		7		P
Cobalt		1.28	J		1.28	J	0		P
Copper		0.86	J		5.03	U	100.0		P
Iron		7140			7250		2		P
Lead		3.84			3.80		1		P
Magnesium		83.6	J		93.8	J	12		P
Manganese		19.7			20.5		4		P
Nickel		1.05	J		1.04	J	0		P
Potassium		45.1	J		503	U	100.0		P
Selenium		1.72			1.65	J	5		P
Silver		0.38	J		2.52	U	100.0		P
Sodium		171			192	J	12		P
Thallium		2.01	U		10.1	U			P
Vanadium		9.07			10.1		11		P
Zinc		6.28			6.62	J	5		P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

EP-2L

Lab Name: Chemtech Consulting Group

Contract: CAMP02

Lab Code: CHEM

Lb No.: lb136329

Lab Sample ID : Q2452-05L

SDG No.: Q2436

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	0.017	0.072 U	100.0		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2436

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2436

SAS No.: Q2436

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith SDG No.: Q2436
Contract: CAMP02 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436
Instrument ID: _____ Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith SDG No.: Q2436
Contract: CAMP02 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436
Instrument ID: _____ Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith SDG No.: Q2436
Contract: CAMP02 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436
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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2436

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2436

SAS No.: Q2436

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>CDM Smith</u>	SDG No.:	<u>Q2436</u>
Contract:	<u>CAMP02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2436</u>
		SAS No.:	<u>Q2436</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168648							
PB168648BL	PB168648BL	MB	SOLID	06/27/2025	2.00	100.0	100.00
PB168648BS	PB168648BS	LCS	SOLID	06/27/2025	2.00	100.0	100.00
Q2436-01	TP-70	SAM	SOLID	06/27/2025	2.29	100.0	82.10
Q2436-02	TP-69	SAM	SOLID	06/27/2025	2.48	100.0	82.00
Q2436-03	TP-85	SAM	SOLID	06/27/2025	2.32	100.0	85.10
Q2436-04	TP-86	SAM	SOLID	06/27/2025	2.25	100.0	88.70
Q2436-05	TP-84	SAM	SOLID	06/27/2025	2.29	100.0	92.30
Q2436-06	TP-83	SAM	SOLID	06/27/2025	2.10	100.0	90.60
Q2436-07	TP-87	SAM	SOLID	06/27/2025	2.21	100.0	89.90
Q2436-08	TP-100	SAM	SOLID	06/27/2025	2.18	100.0	85.60
Q2436-09	TP-99	SAM	SOLID	06/27/2025	2.25	100.0	92.20
Q2436-10	TP-82	SAM	SOLID	06/27/2025	2.16	100.0	92.00
Q2436-10DUP	TP-82DUP	DUP	SOLID	06/27/2025	2.35	100.0	92.00
Q2436-10MS	TP-82MS	MS	SOLID	06/27/2025	2.15	100.0	92.00
Q2436-10MSD	TP-82MSD	MSD	SOLID	06/27/2025	2.26	100.0	92.00

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>CDM Smith</u>	SDG No.:	<u>Q2436</u>
Contract:	<u>CAMP02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2436</u>
		SAS No.:	<u>Q2436</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168665							
PB168665BL	PB168665BL	MB	SOLID	06/27/2025	0.50	35.0	100.00
PB168665BS	PB168665BS	LCS	SOLID	06/27/2025	0.52	35.0	100.00
Q2436-01	TP-70	SAM	SOLID	06/27/2025	0.59	35.0	82.10
Q2436-02	TP-69	SAM	SOLID	06/27/2025	0.56	35.0	82.00
Q2436-03	TP-85	SAM	SOLID	06/27/2025	0.57	35.0	85.10
Q2436-04	TP-86	SAM	SOLID	06/27/2025	0.53	35.0	88.70
Q2436-05	TP-84	SAM	SOLID	06/27/2025	0.57	35.0	92.30
Q2436-06	TP-83	SAM	SOLID	06/27/2025	0.52	35.0	90.60
Q2436-07	TP-87	SAM	SOLID	06/27/2025	0.56	35.0	89.90
Q2436-08	TP-100	SAM	SOLID	06/27/2025	0.56	35.0	85.60
Q2436-09	TP-99	SAM	SOLID	06/27/2025	0.52	35.0	92.20
Q2436-10	TP-82	SAM	SOLID	06/27/2025	0.55	35.0	92.00
Q2452-05DUP	EP-2DUP	DUP	SOLID	06/27/2025	0.54	35.0	87.00
Q2452-05MS	EP-2MS	MS	SOLID	06/27/2025	0.57	35.0	87.00
Q2452-05MSD	EP-2MSD	MSD	SOLID	06/27/2025	0.52	35.0	87.00

metals
- 14 -
ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q2436 **Sas no.:** Q2436 **Sdg no.:** Q2436

Instrument id number: **Method:** **Run number:** LB136329

Start date: 06/30/2025 **End date:** 06/30/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1246	HG
S0.2	S0.2	1	1252	HG
S2.5	S2.5	1	1309	HG
S5	S5	1	1314	HG
S7.5	S7.5	1	1316	HG
S10	S10	1	1326	HG
ICV12	ICV12	1	1329	HG
ICB12	ICB12	1	1331	HG
CCV36	CCV36	1	1333	HG
CCB36	CCB36	1	1336	HG
CRA	CRA	1	1338	HG
PB168665BL	PB168665BL	1	1348	HG
Q2436-01	TP-70	1	1357	HG
Q2436-02	TP-69	1	1359	HG
Q2436-03	TP-85	1	1401	HG
CCV37	CCV37	1	1403	HG
CCB37	CCB37	1	1406	HG
Q2436-04	TP-86	1	1408	HG
Q2436-05	TP-84	1	1410	HG
Q2436-06	TP-83	1	1413	HG
Q2436-07	TP-87	1	1415	HG
Q2436-08	TP-100	1	1417	HG
Q2436-09	TP-99	1	1419	HG
Q2436-10	TP-82	1	1422	HG
CCV38	CCV38	1	1431	HG
CCB38	CCB38	1	1433	HG
Q2452-05DUP	EP-2DUP	1	1435	HG
Q2452-05MS	EP-2MS	1	1446	HG
Q2452-05MSD	EP-2MSD	1	1448	HG
Q2452-05L	EP-2L	5	1451	HG
PB168665BS	PB168665BS	1	1455	HG
CCV39	CCV39	1	1457	HG
CCB39	CCB39	1	1500	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q2436 **Sas no.:** Q2436 **Sdg no.:** Q2436

Instrument id number: **Method:** **Run number:** LB136344

Start date: 07/01/2025 **End date:** 07/01/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1304	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	1309	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	1313	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	1317	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	1321	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	1326	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	1330	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	1334	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	1338	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	1348	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	1352	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	1409	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	1423	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	1542	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	1546	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168648BL	PB168648BL	1	1621	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168648BS	PB168648BS	1	1625	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	1637	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	1642	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	1726	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	1730	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-01	TP-70	1	1743	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-02	TP-69	1	1747	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-03	TP-85	1	1751	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-04	TP-86	1	1801	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-05	TP-84	1	1805	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-06	TP-83	1	1810	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-07	TP-87	1	1814	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-08	TP-100	1	1818	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	1827	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	1839	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-09	TP-99	1	1844	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-10	TP-82	1	1848	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-10DUP	TP-82DUP	1	1852	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-10L	TP-82L	5	1859	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-10MS	TP-82MS	1	1904	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-10MSD	TP-82MSD	1	1908	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2436-10A	TP-82A	1	1912	Ba,Ca,Mg,Mn,Sb
CCV06	CCV06	1	2005	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	2034	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q2436 **Sas no.:** Q2436 **Sdg no.:** Q2436

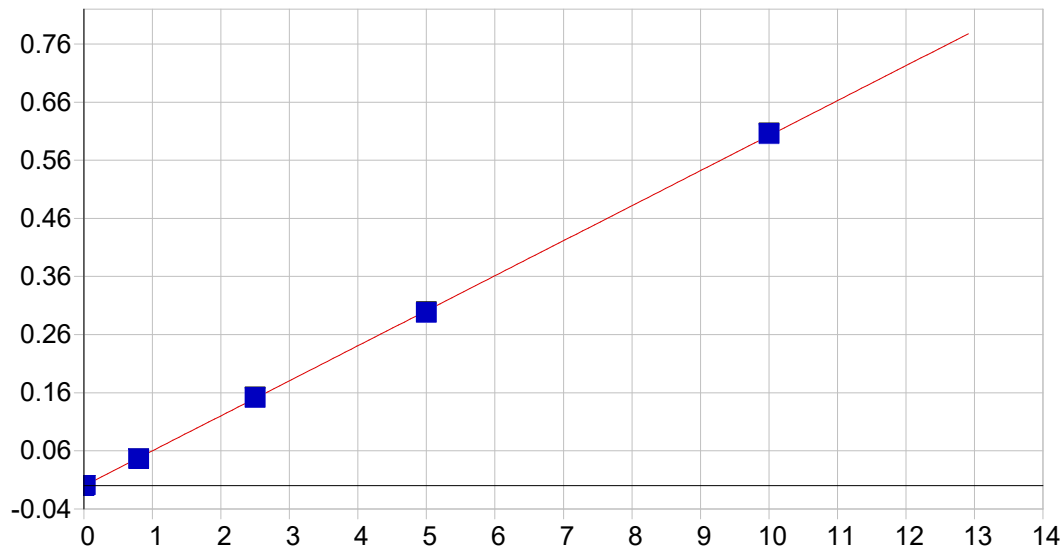
Instrument id number: **Method:** **Run number:** LB136344

Start date: 07/01/2025 **End date:** 07/01/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV07	CCV07	1	2122	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	2127	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	2150	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	2154	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: 7/2/2025 0:34:18

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000153

Re-Slope: 1.000000

A1 (Gain): 0.060246

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999937

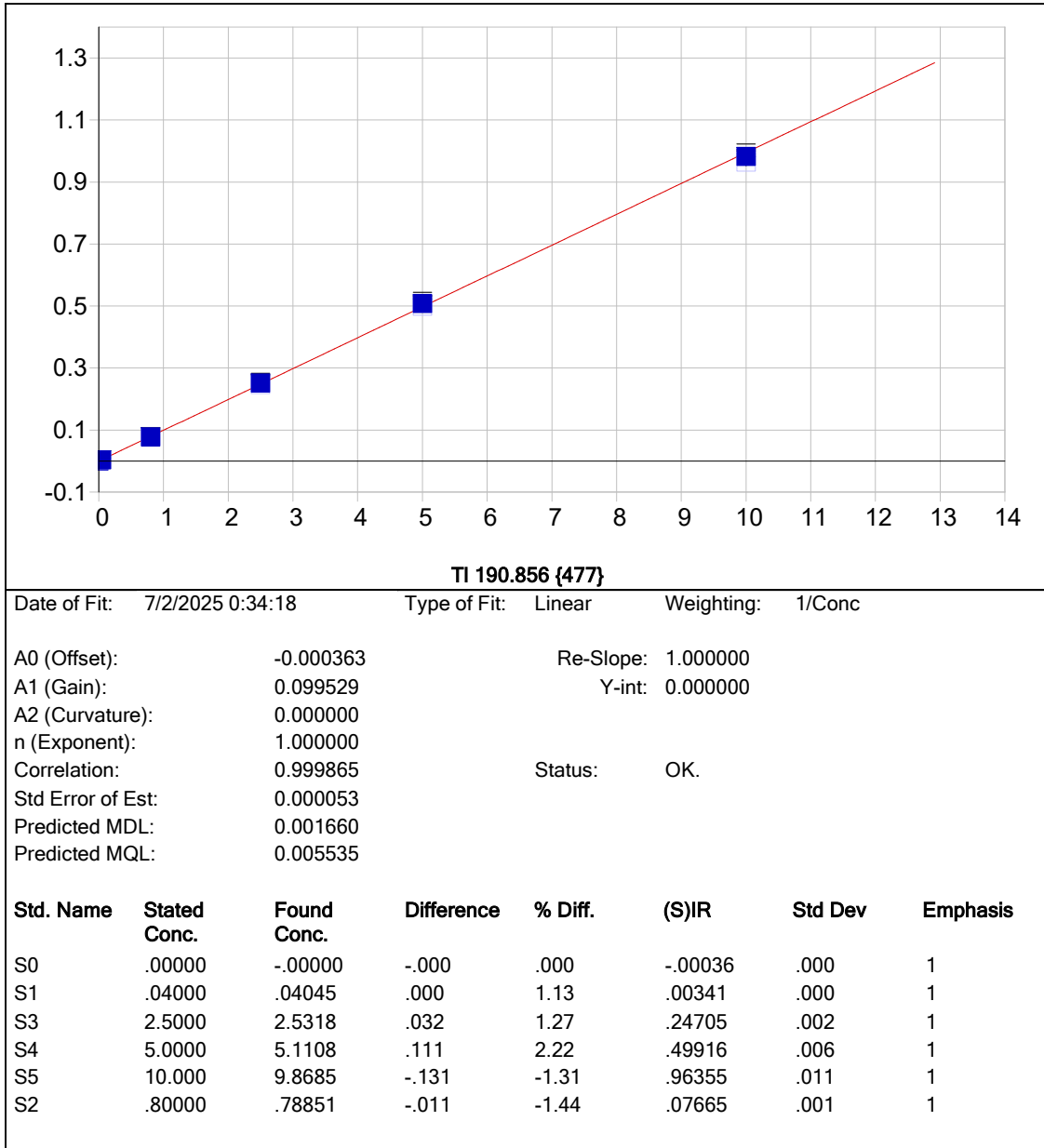
Status: OK.

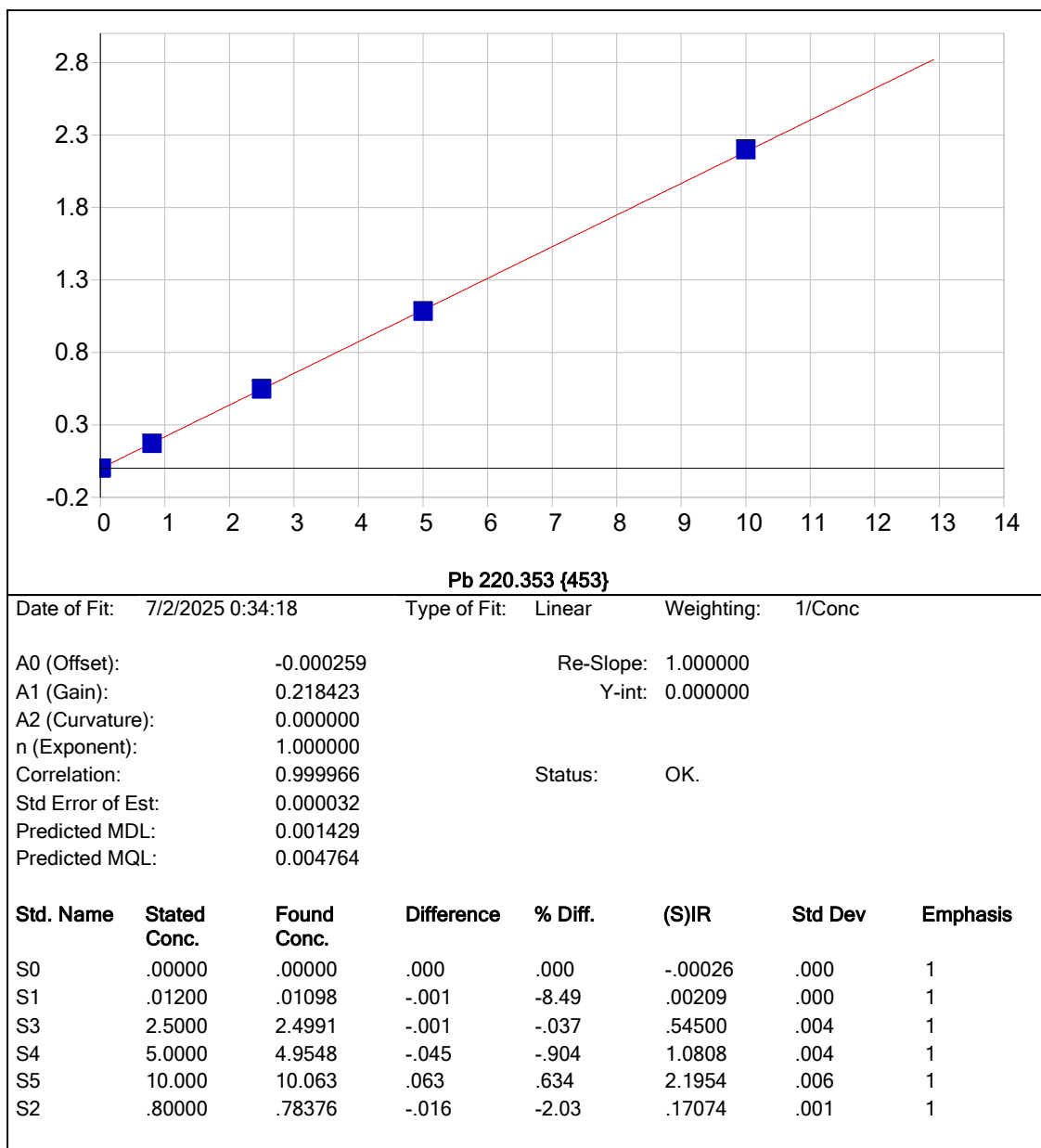
Std Error of Est: 0.000016

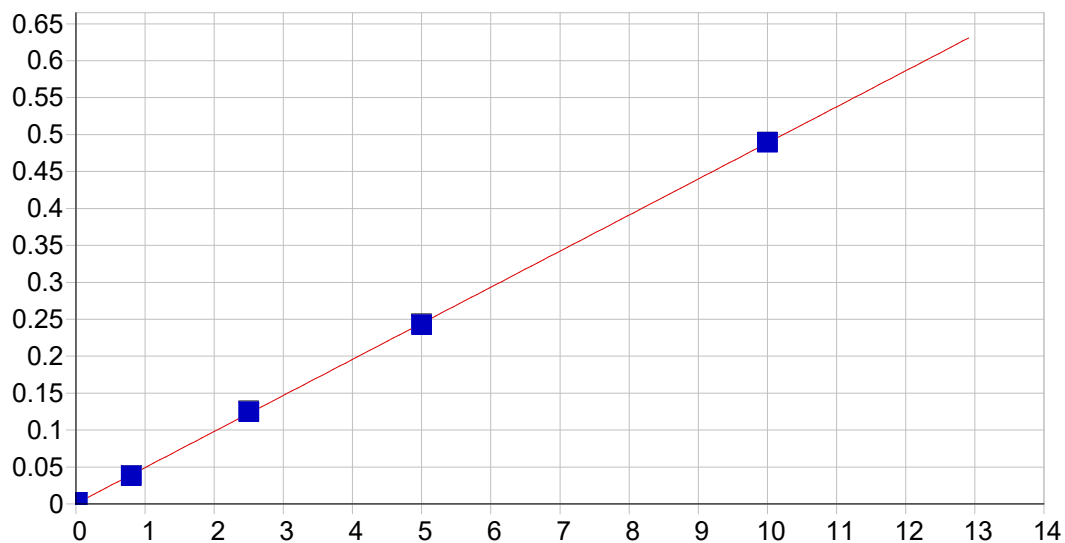
Predicted MDL: 0.001814

Predicted MQL: 0.006047

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00015	.000	1
S1	.02000	.02246	.002	12.3	.00119	.000	1
S3	2.5000	2.5222	.022	.887	.15164	.001	1
S4	5.0000	4.9494	-.051	-1.01	.29770	.001	1
S5	10.000	10.054	.054	.544	.60493	.001	1
S2	.80000	.77158	-.028	-3.55	.04628	.000	1







Se 196.090 {472}

Date of Fit: 7/2/2025 0:34:18

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000402

Re-Slope: 1.000000

A1 (Gain): 0.048826

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999915

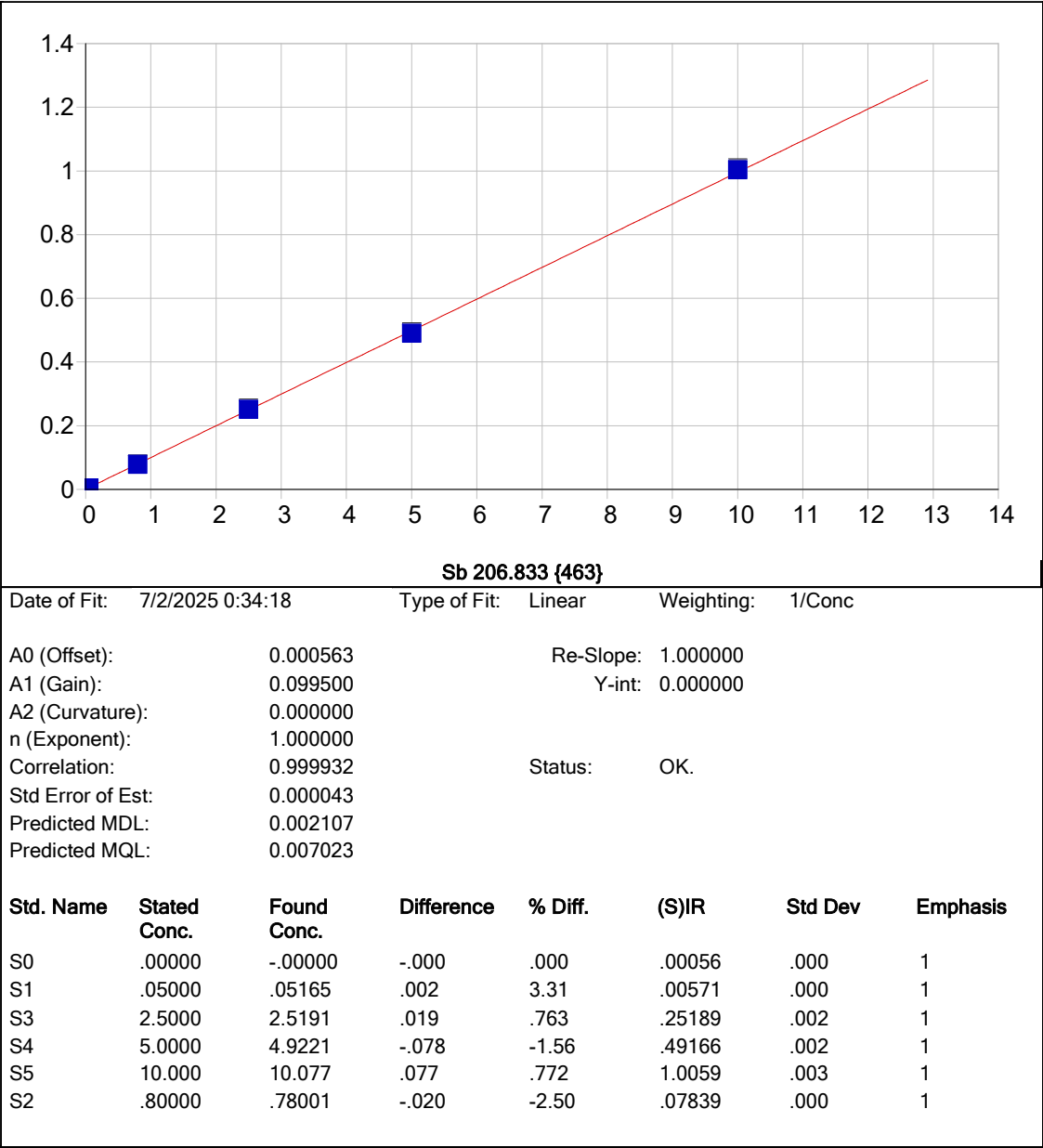
Status: OK.

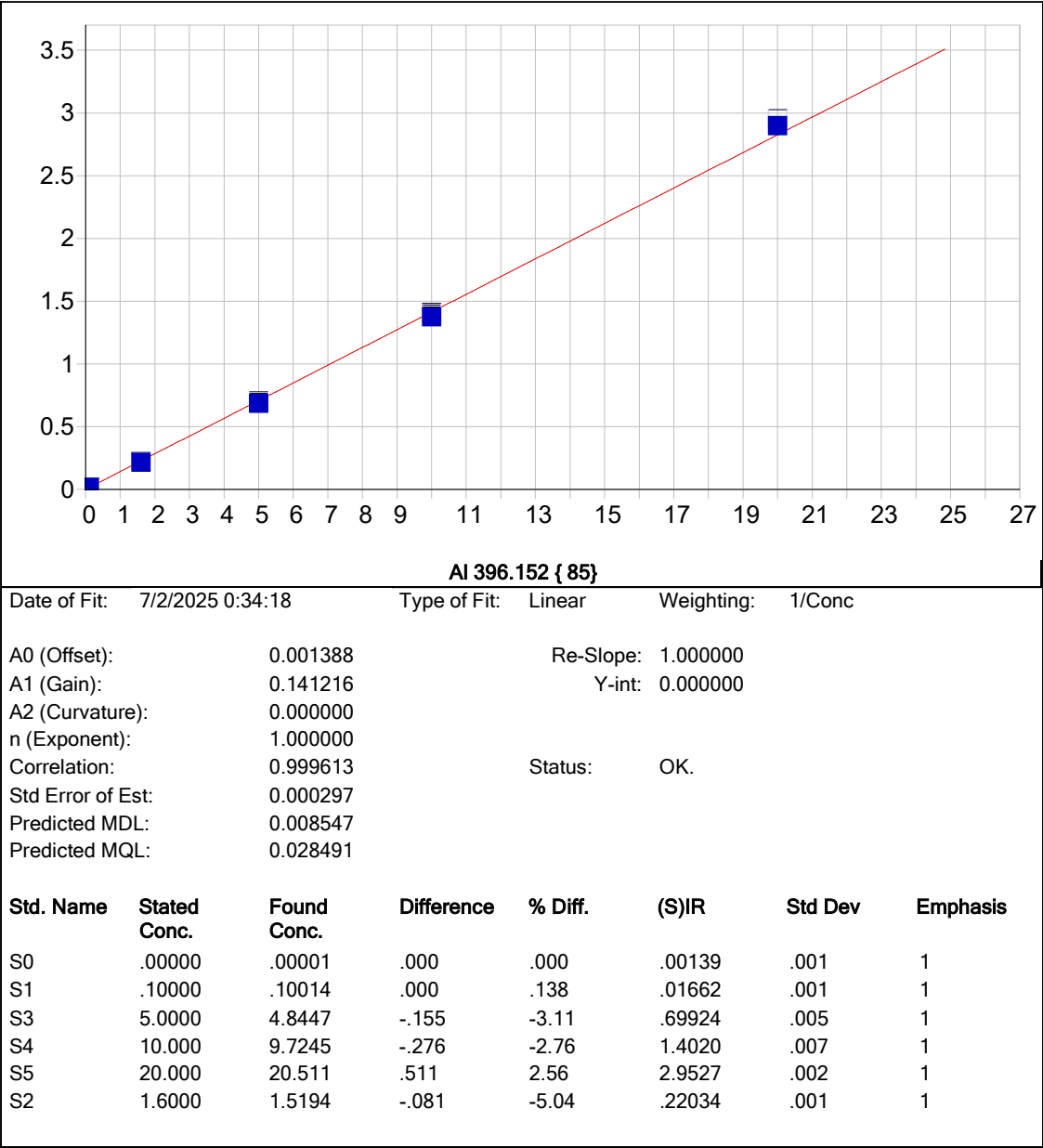
Std Error of Est: 0.000015

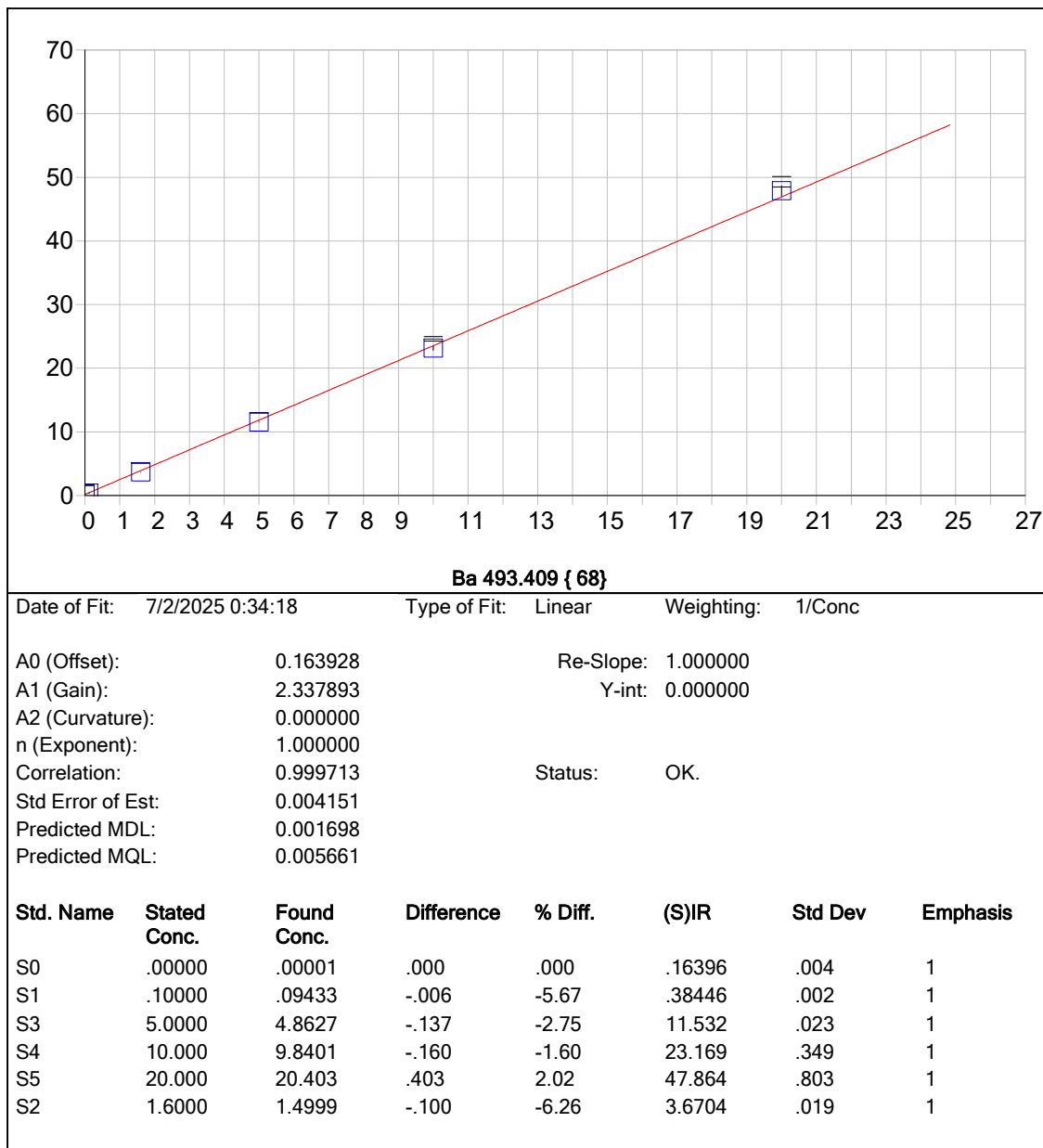
Predicted MDL: 0.004230

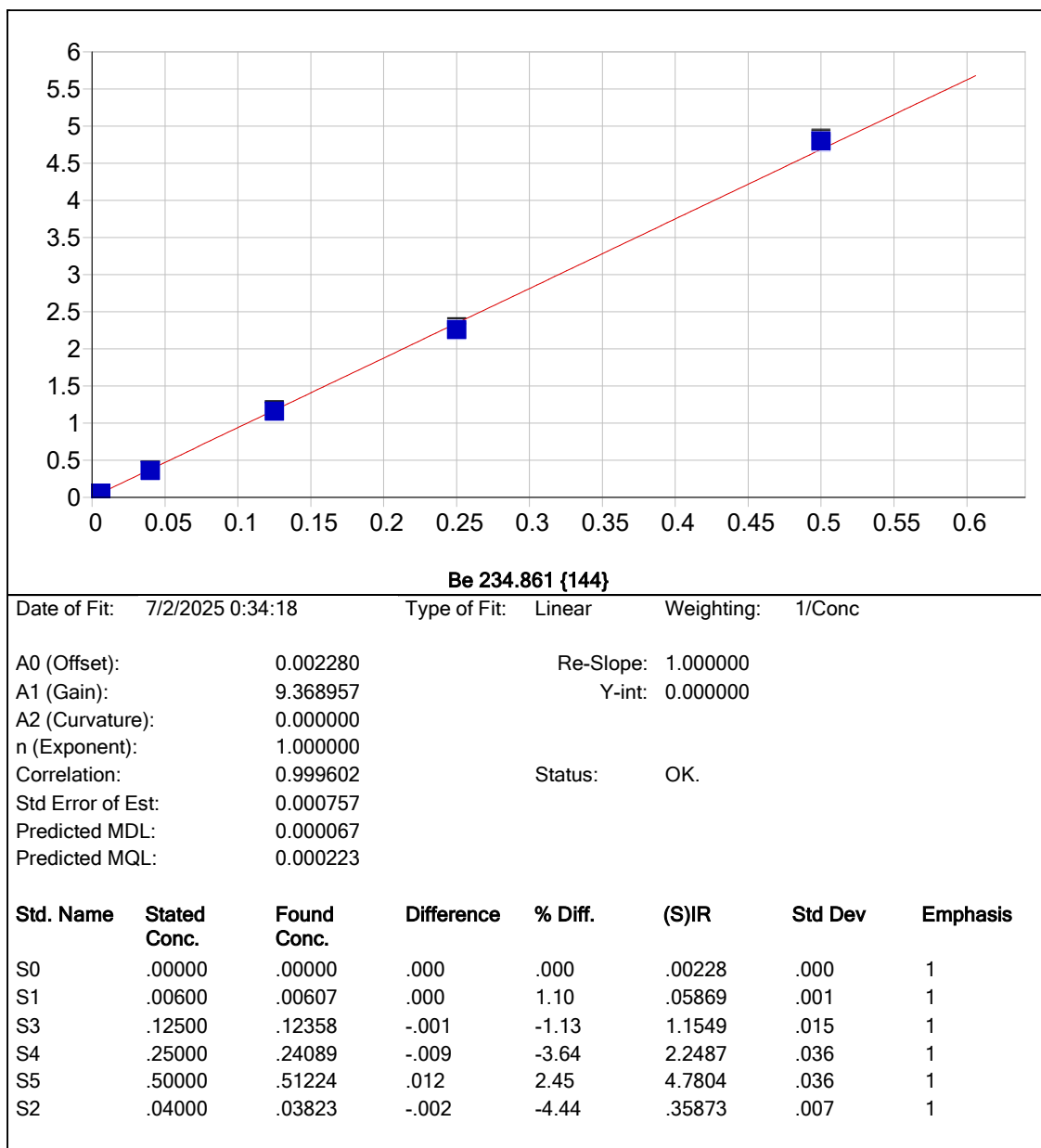
Predicted MQL: 0.014100

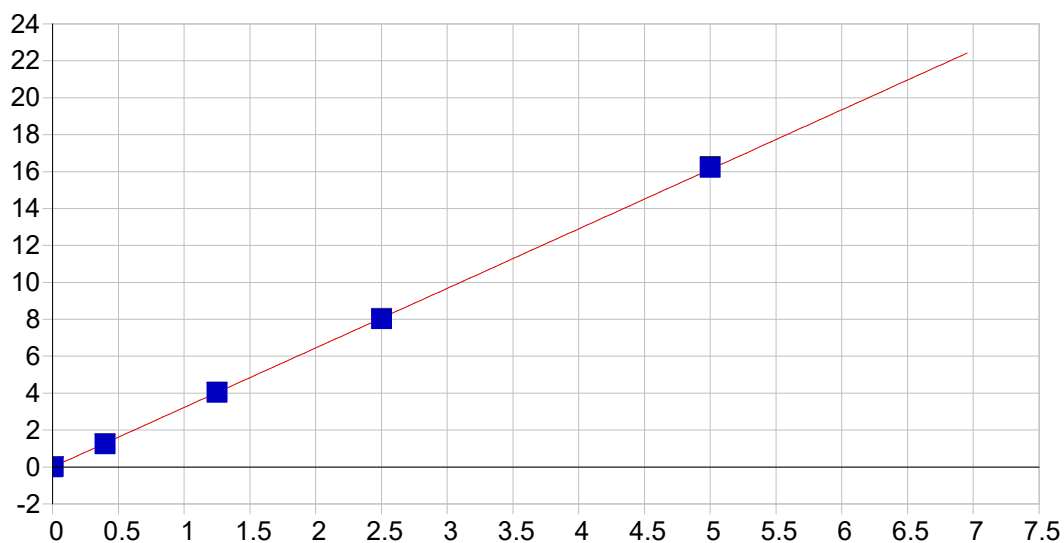
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00040	.000	1
S1	.02000	.02449	.004	22.5	.00160	.000	1
S3	2.5000	2.5466	.047	1.87	.12470	.001	1
S4	5.0000	4.9603	-.040	-.793	.24250	.001	1
S5	10.000	10.015	.015	.152	.48922	.000	1
S2	.80000	.77334	-.027	-3.33	.03815	.000	1









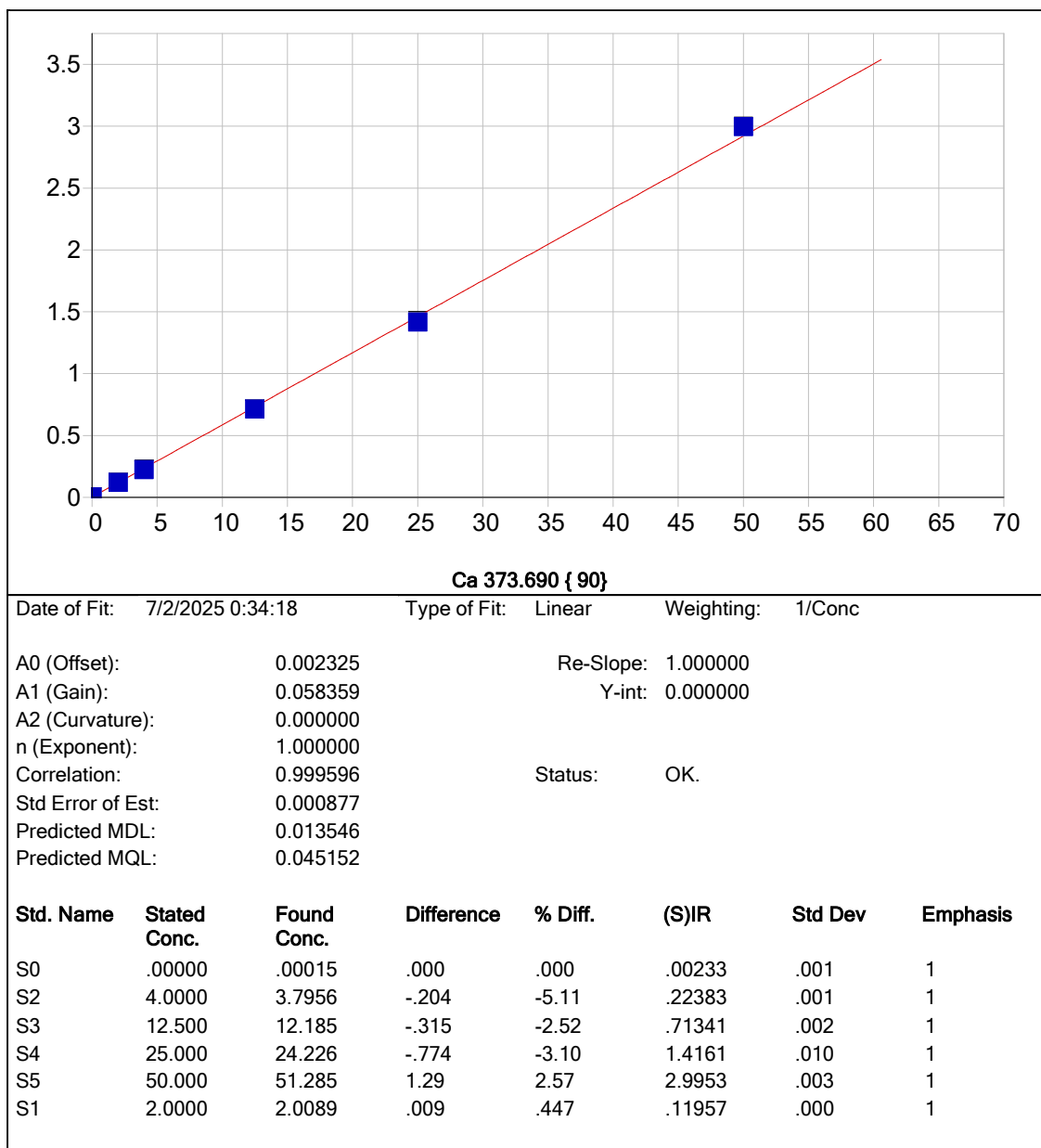


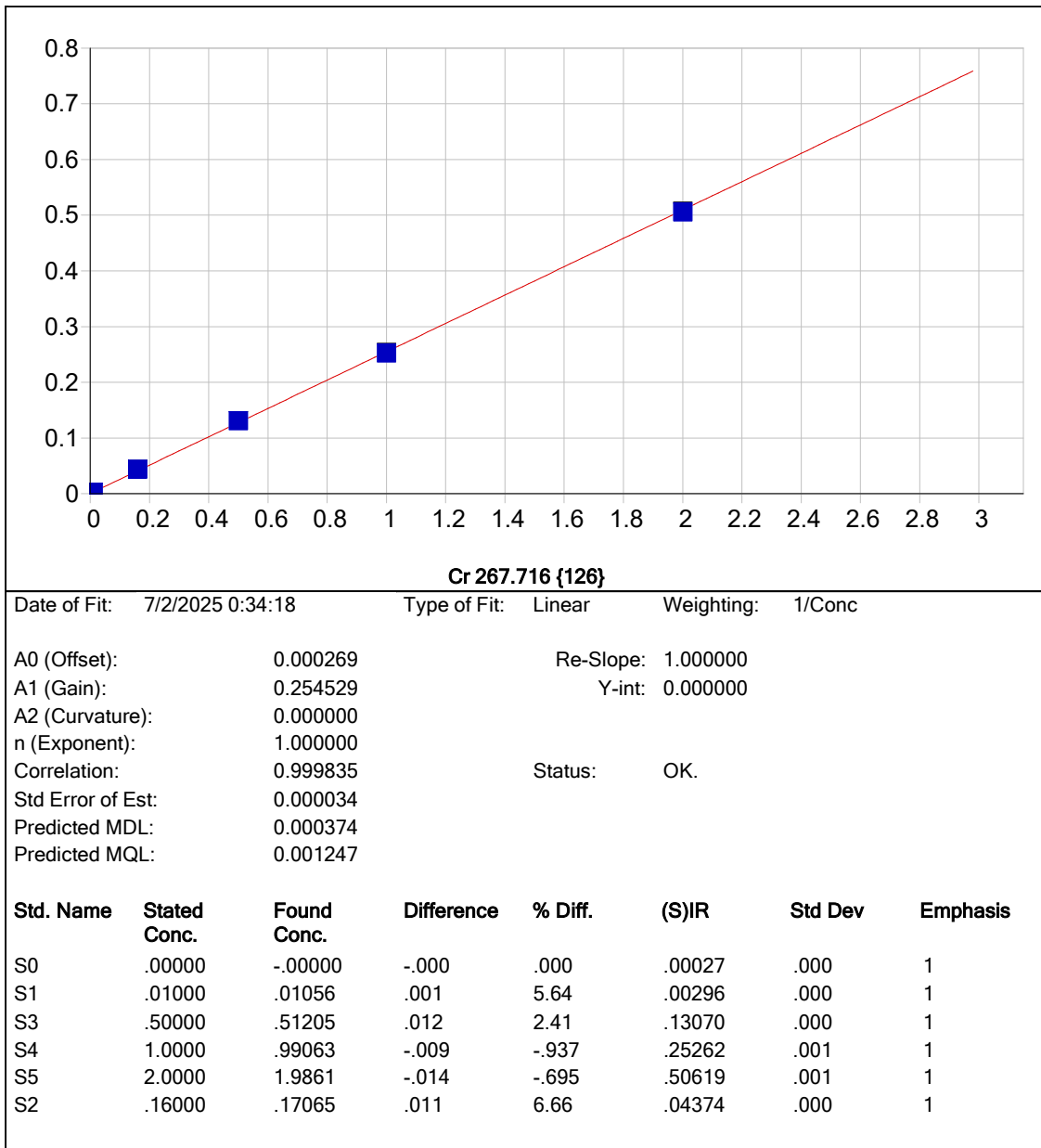
Cd 226.502 {449}

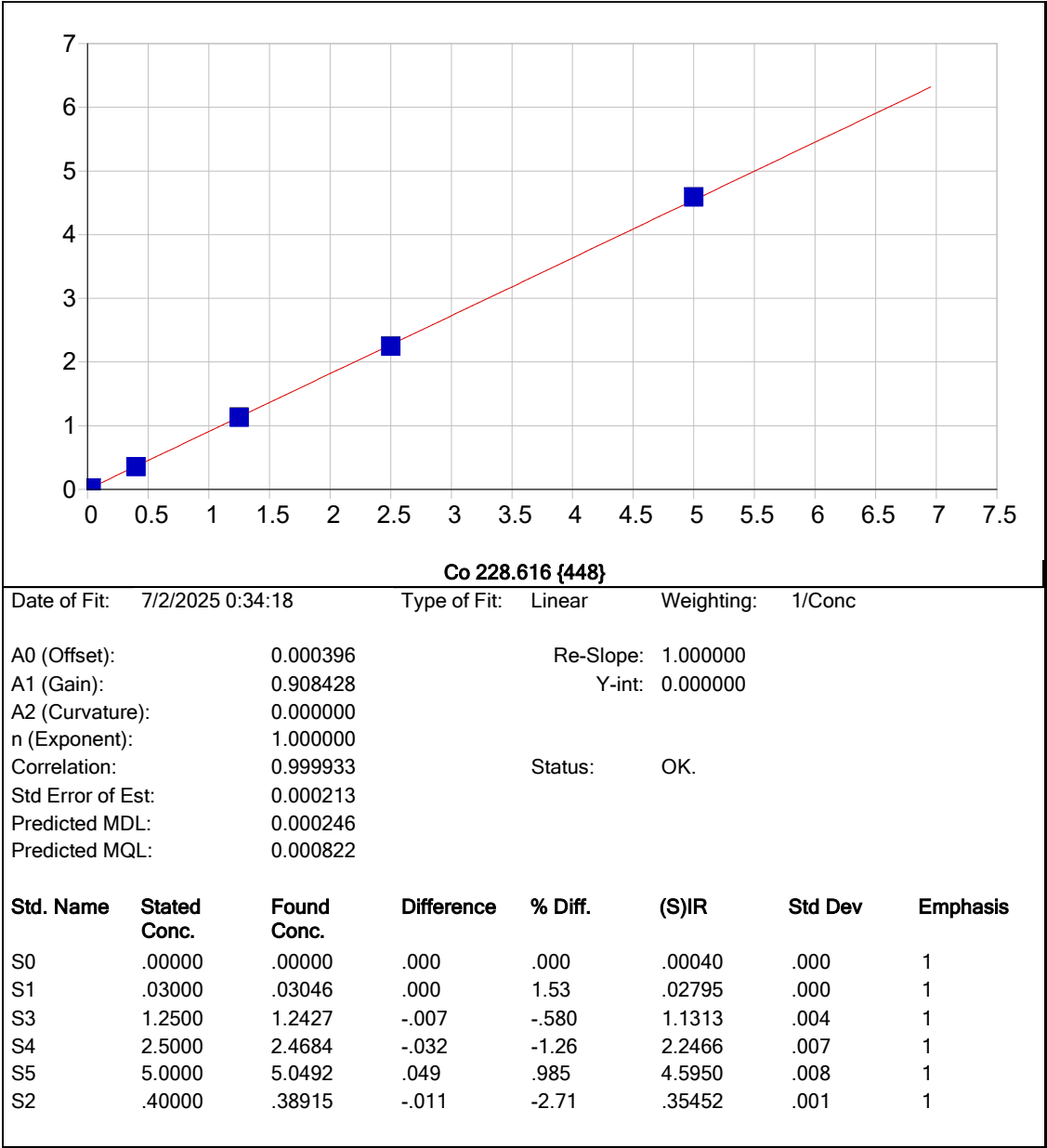
Date of Fit: 7/2/2025 0:34:18 Type of Fit: Linear Weighting: 1/Conc

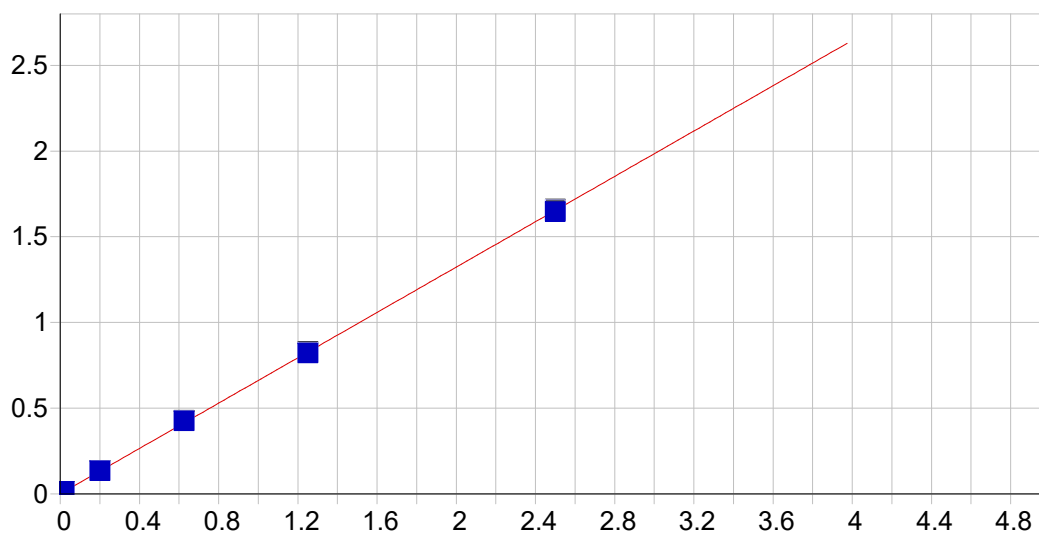
A0 (Offset): -0.000614 Re-Slope: 1.000000
A1 (Gain): 3.224898 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999961 Status: OK.
Std Error of Est: 0.000260
Predicted MDL: 0.000083
Predicted MQL: 0.000277

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00061	.000	1
S1	.00600	.00602	.000	.276	.01887	.000	1
S3	1.2500	1.2498	-.000	-.019	4.0329	.021	1
S4	2.5000	2.4849	-.015	-.603	8.0193	.030	1
S5	5.0000	5.0289	.029	.578	16.230	.036	1
S2	.40000	.38640	-.014	-3.40	1.2465	.002	1







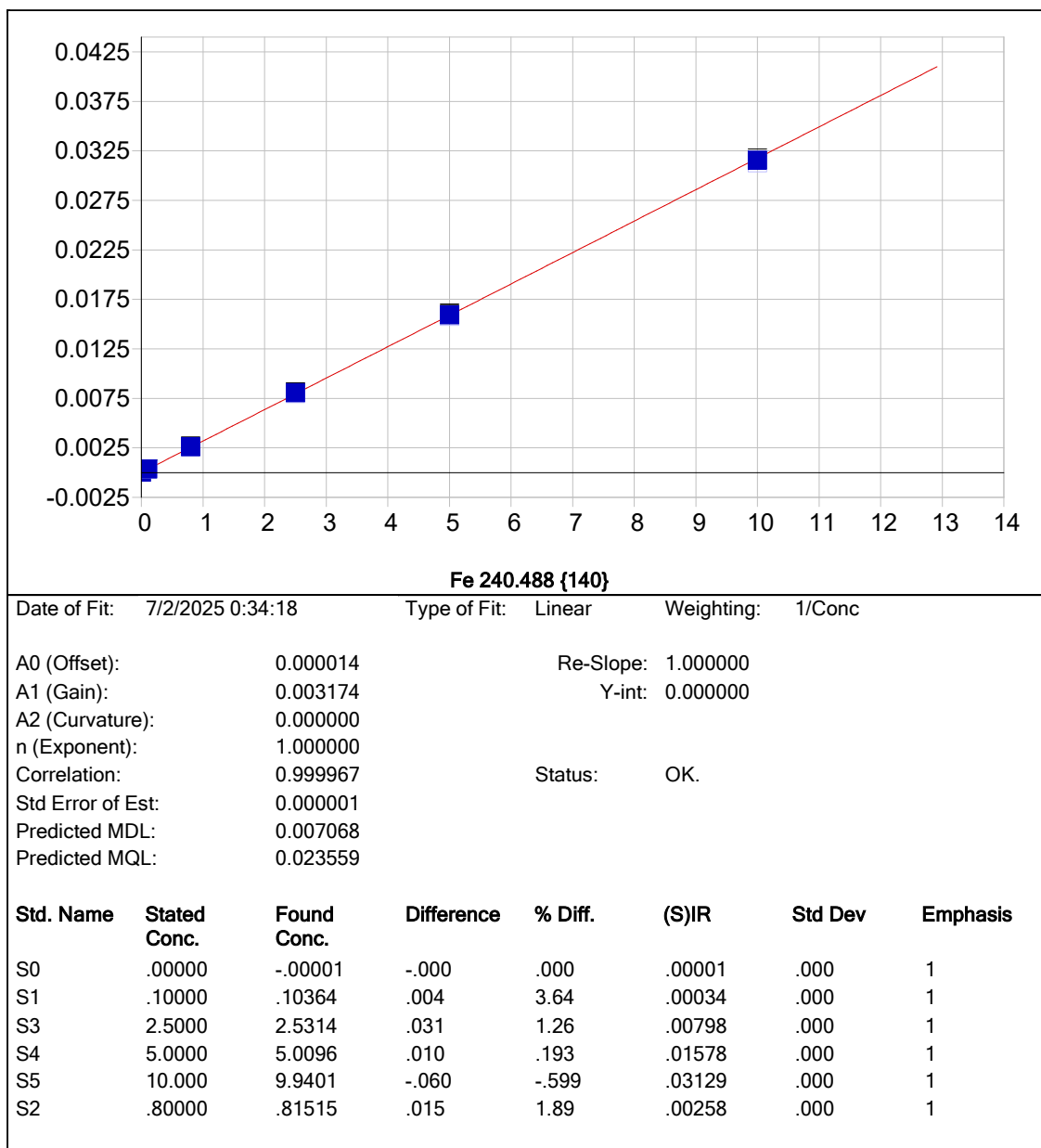


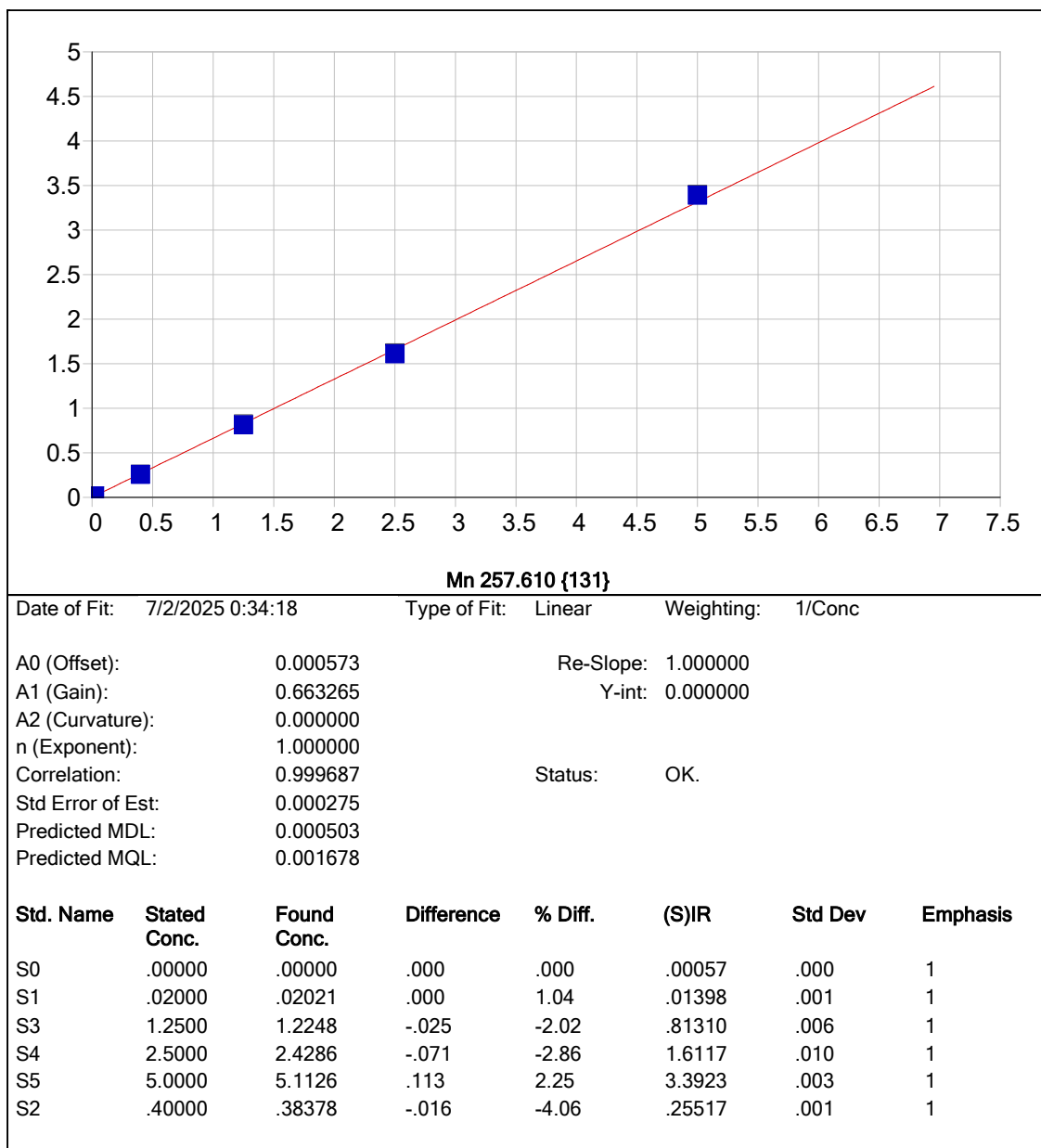
Cu 224.700 {450}

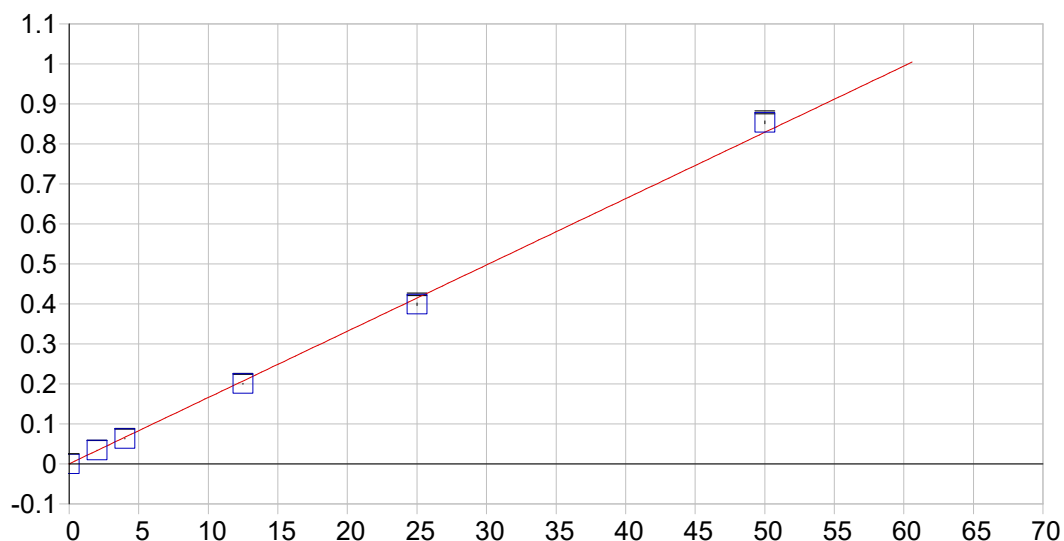
Date of Fit: 7/2/2025 0:34:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000653	Re-Slope:	1.000000
A1 (Gain):	0.661285	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999920	Status:	OK.
Std Error of Est:	0.000099		
Predicted MDL:	0.000400		
Predicted MQL:	0.001332		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00065	.000	1
S1	.02000	.02159	.002	7.96	.01506	.000	1
S3	.62500	.64128	.016	2.61	.42774	.001	1
S4	1.2500	1.2401	-.010	-.791	.82675	.004	1
S5	2.5000	2.4885	-.011	-.459	1.6583	.003	1
S2	.20000	.20349	.003	1.74	.13618	.000	1





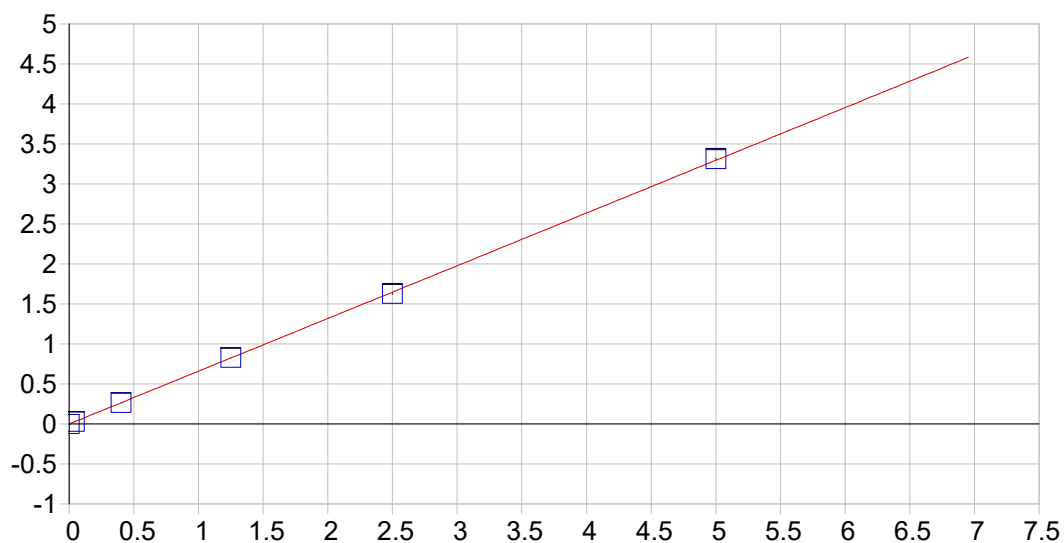


Mg 279.079 {121}

Date of Fit: 7/2/2025 0:34:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000256	Re-Slope:	1.000000
A1 (Gain):	0.016573	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999449	Status:	OK.
Std Error of Est:	0.000291		
Predicted MDL:	0.024913		
Predicted MQL:	0.083043		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00014	.000	.000	.00026	.001	1
S2	4.0000	3.7987	-.201	-5.03	.06321	.001	1
S3	12.500	12.096	-.404	-3.23	.20072	.001	1
S4	25.000	24.072	-.928	-3.71	.39919	.003	1
S5	50.000	51.493	1.49	2.99	.85362	.004	1
S1	2.0000	2.0410	.041	2.05	.03408	.001	1



Ni 231.604 {446}

Date of Fit: 7/2/2025 0:34:18

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000045

Re-Slope: 1.000000

A1 (Gain): 0.659009

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999967

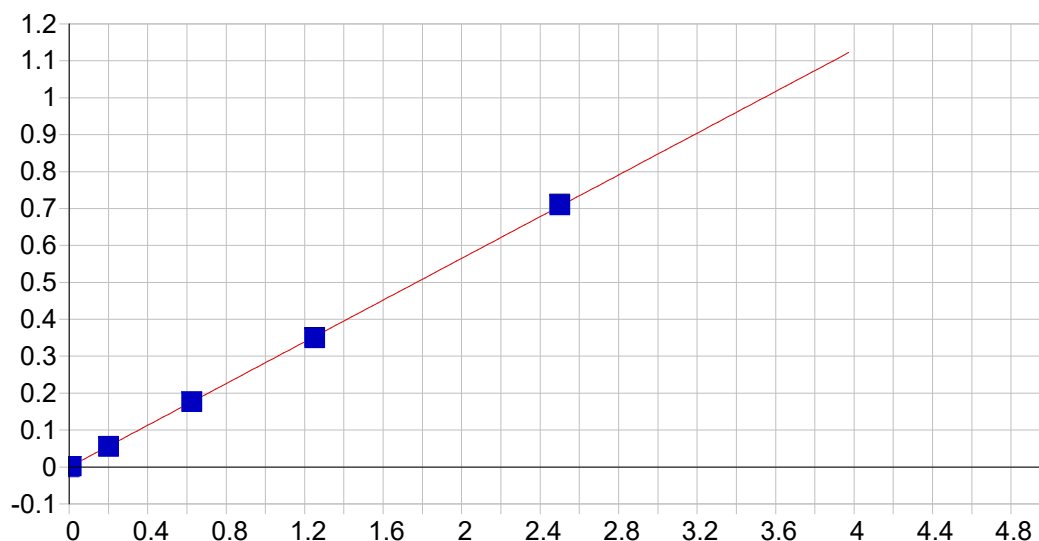
Status: OK.

Std Error of Est: 0.000126

Predicted MDL: 0.000310

Predicted MQL: 0.001035

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00005	.000	1
S1	.04000	.04181	.002	4.51	.02750	.000	1
S3	1.2500	1.2535	.004	.283	.82604	.003	1
S4	2.5000	2.4691	-.031	-1.24	1.6271	.006	1
S5	5.0000	5.0259	.026	.518	3.3121	.009	1
S2	.40000	.39968	-.000	-.079	.26335	.001	1

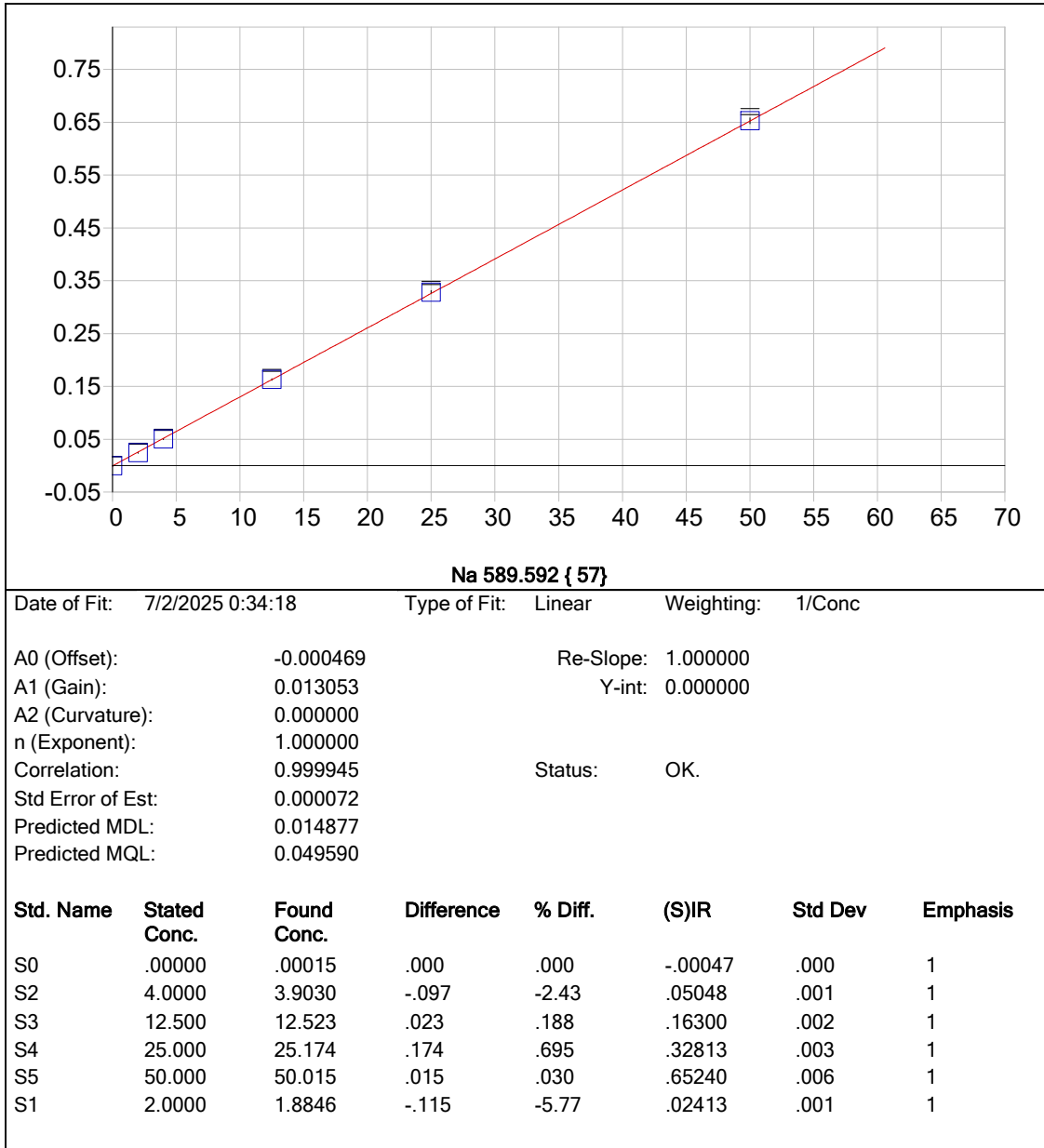


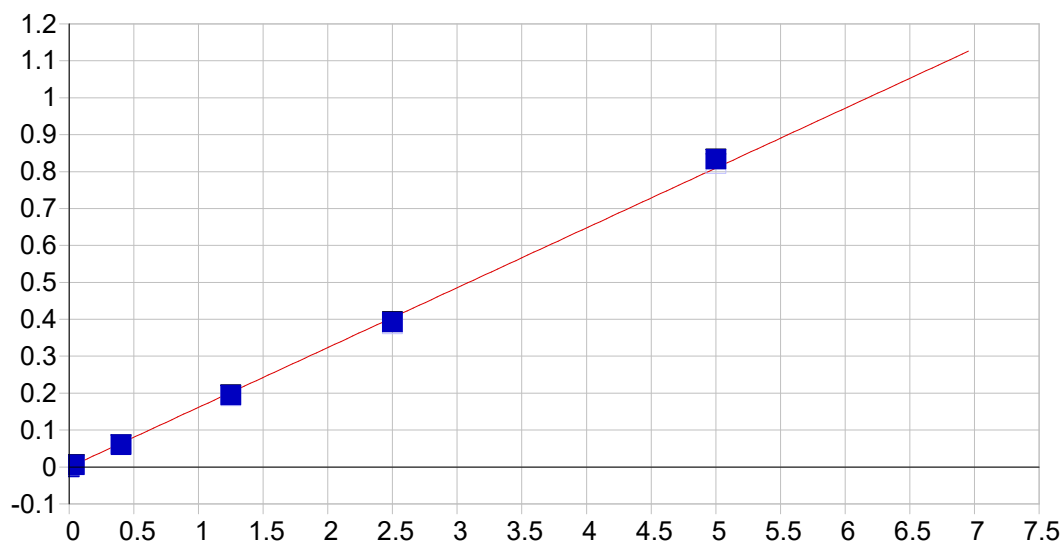
Ag 328.068 {103}

Date of Fit: 7/2/2025 0:34:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000080 Re-Slope: 1.000000
A1 (Gain): 0.282525 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999969 Status: OK.
Std Error of Est: 0.000018
Predicted MDL: 0.000518
Predicted MQL: 0.001725

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00008	.000	1
S1	.01000	.00940	-.001	-5.97	.00256	.000	1
S3	.62500	.62614	.001	.182	.17607	.000	1
S4	1.2500	1.2385	-.012	-.920	.34833	.001	1
S5	2.5000	2.5142	.014	.569	.70725	.001	1
S2	.20000	.19673	-.003	-1.64	.05526	.000	1



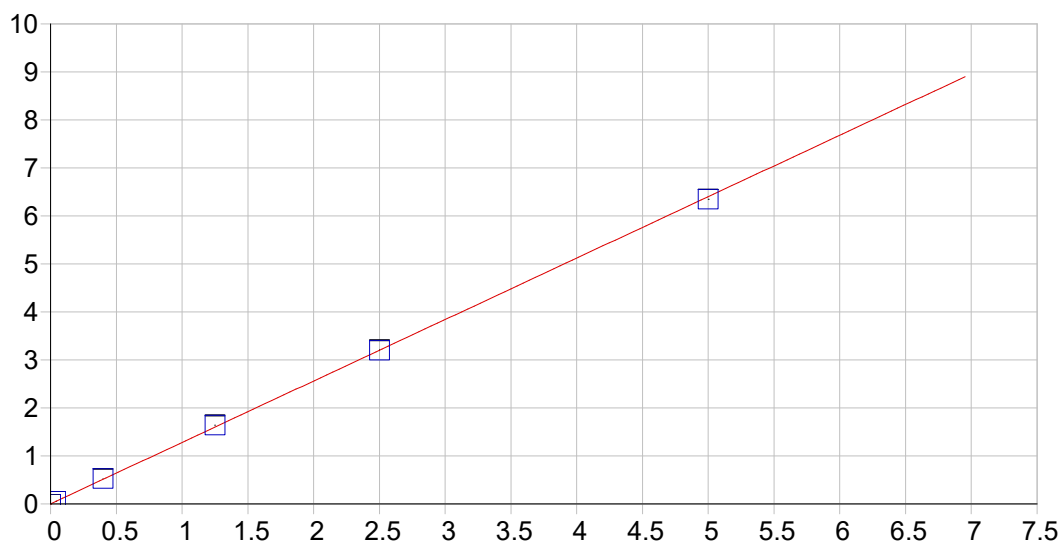


V 292.402 {115}

Date of Fit: 7/2/2025 0:34:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000506 Re-Slope: 1.000000
A1 (Gain): 0.162007 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999439 Status: OK.
Std Error of Est: 0.000125
Predicted MDL: 0.002898
Predicted MQL: 0.009660

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00050	.000	1
S1	.04000	.03636	-.004	-9.10	.00514	.000	1
S3	1.2500	1.2050	-.045	-3.60	.19175	.001	1
S4	2.5000	2.4263	-.074	-2.95	.38666	.001	1
S5	5.0000	5.1472	.147	2.94	.82156	.001	1
S2	.40000	.37512	-.025	-6.22	.05932	.000	1

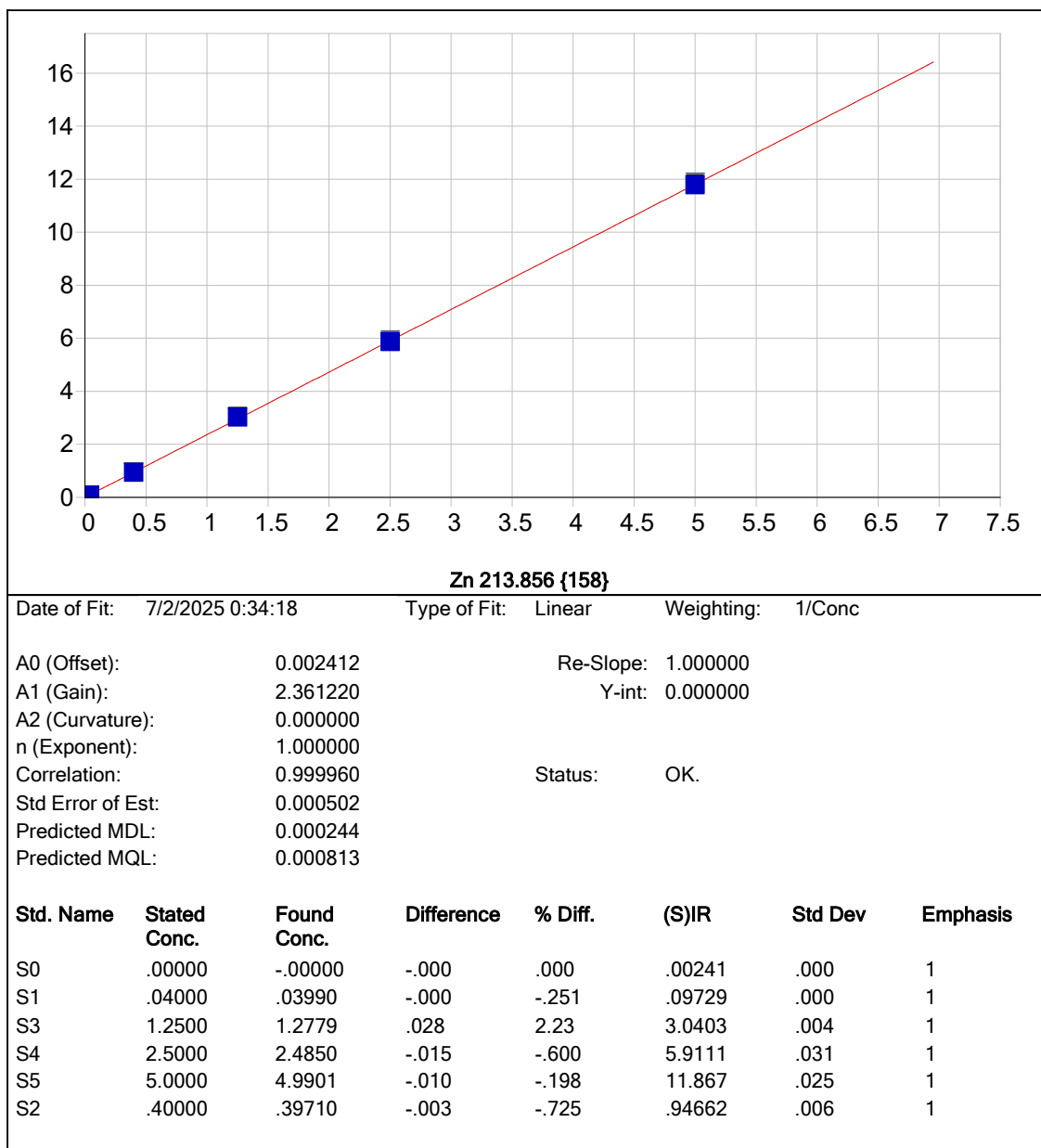


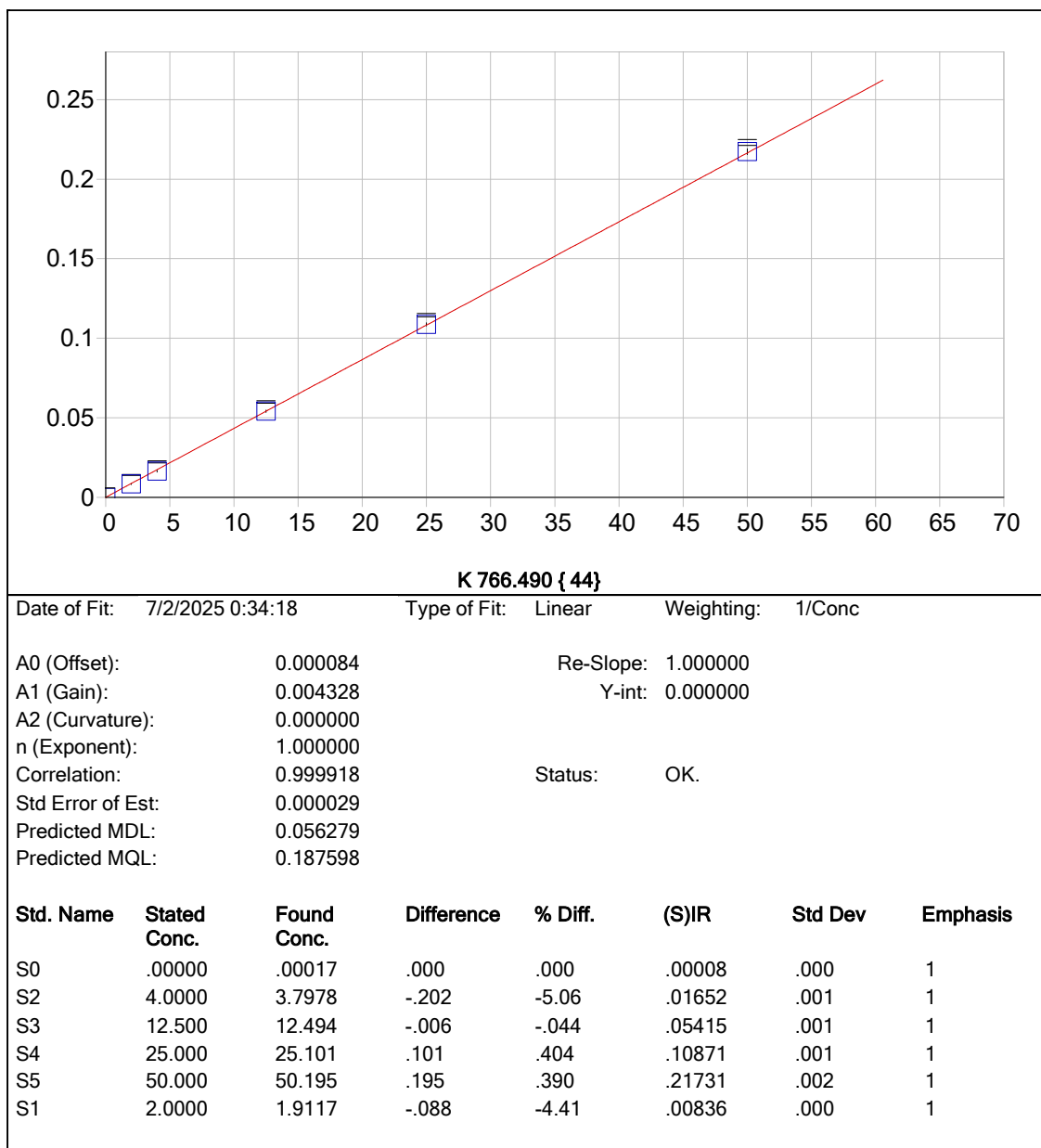
Zn 206.200 {464}

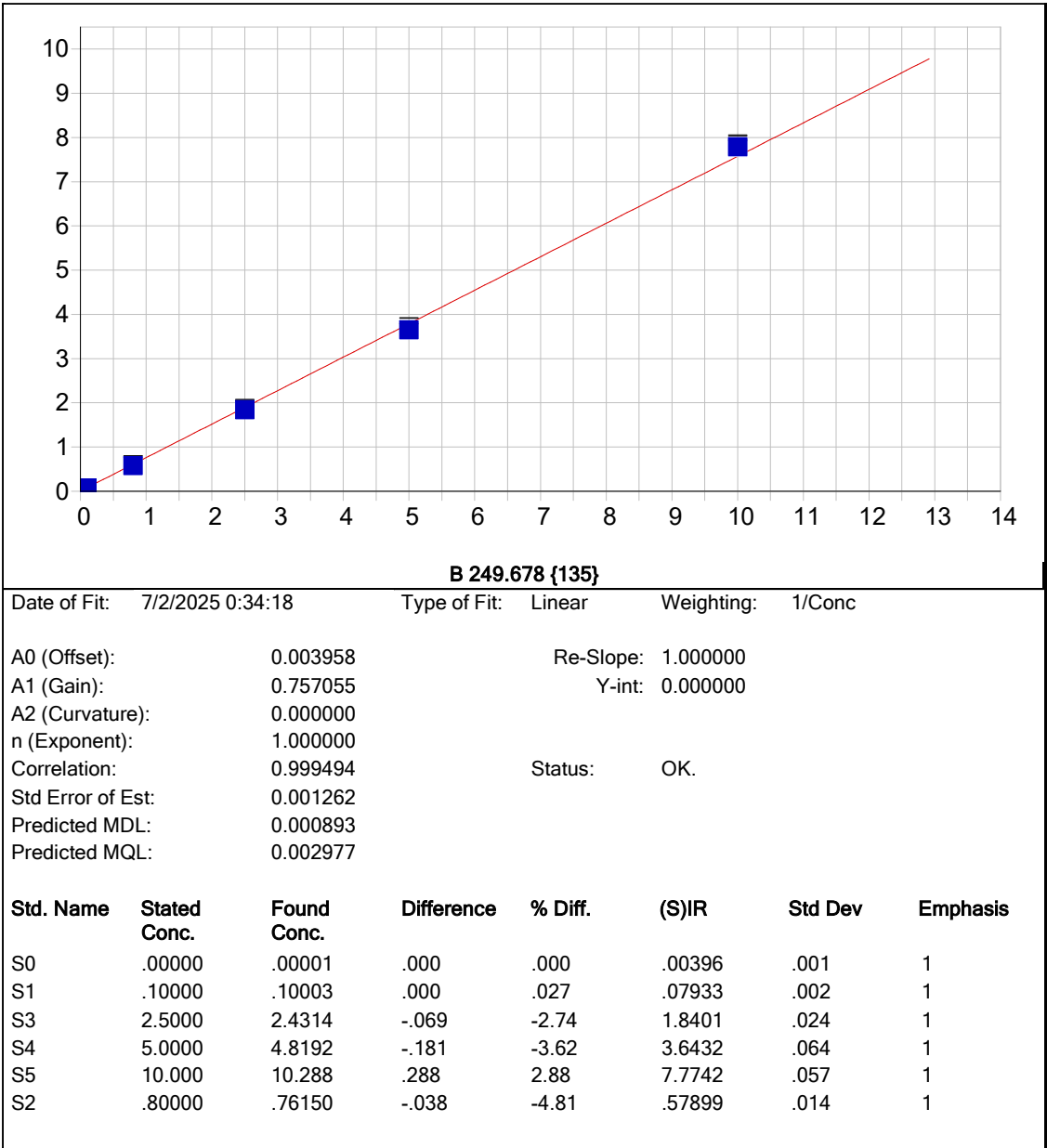
Date of Fit: 7/2/2025 0:34:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000760	Re-Slope:	1.000000
A1 (Gain):	1.280042	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999924	Status:	OK.
Std Error of Est:	0.000371		
Predicted MDL:	0.000148		
Predicted MQL:	0.000493		

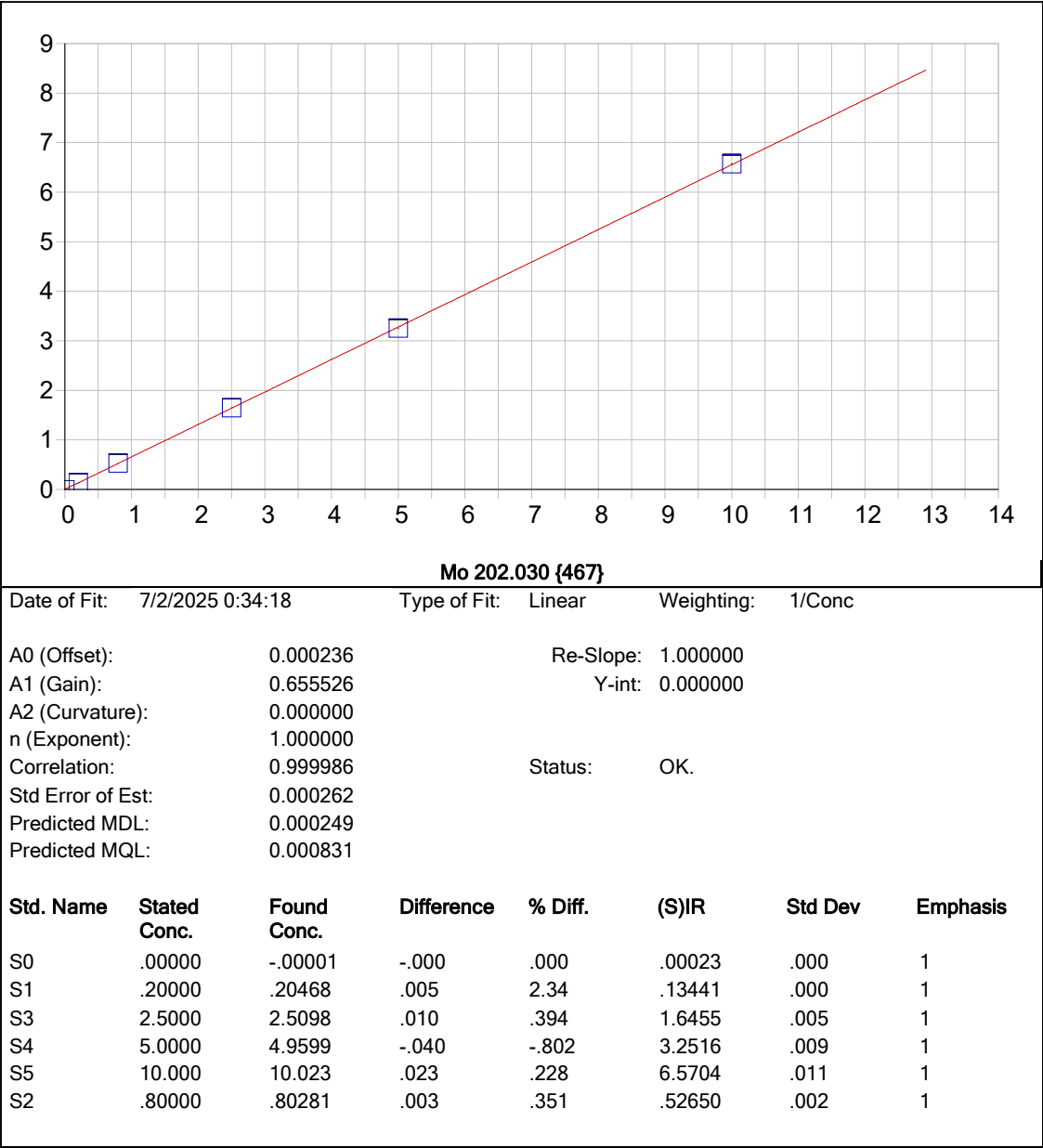
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00075	.000	1
S1	.04000	.04271	.003	6.78	.05543	.000	1
S3	1.2500	1.2784	.028	2.27	1.6371	.012	1
S4	2.5000	2.5010	.001	.041	3.2022	.008	1
S5	5.0000	4.9584	-.042	-.831	6.3478	.002	1
S2	.40000	.40946	.009	2.36	.52488	.002	1

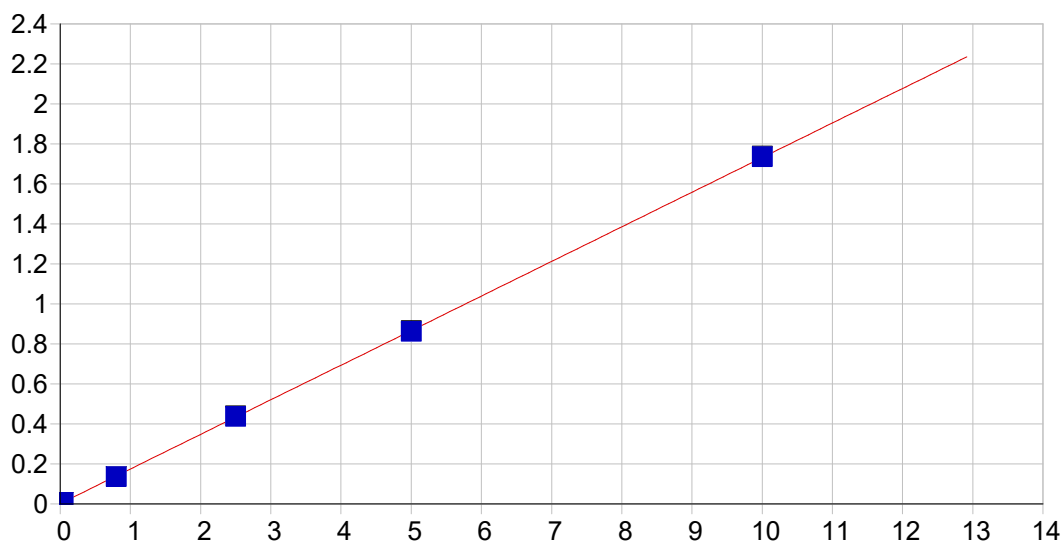






Date of Fit: 7/2/2025 0:34:18		Type of Fit: Linear	Weighting: 1/Conc
A0 (Offset):	0.003958	Re-Slope:	1.000000
A1 (Gain):	0.757055	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999494	Status:	OK.
Std Error of Est:	0.001262		
Predicted MDL:	0.000893		
Predicted MQL:	0.002977		





Sn 189.989 {478}

Date of Fit: 7/2/2025 0:34:18

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001534

Re-Slope: 1.000000

A1 (Gain): 0.172975

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999977

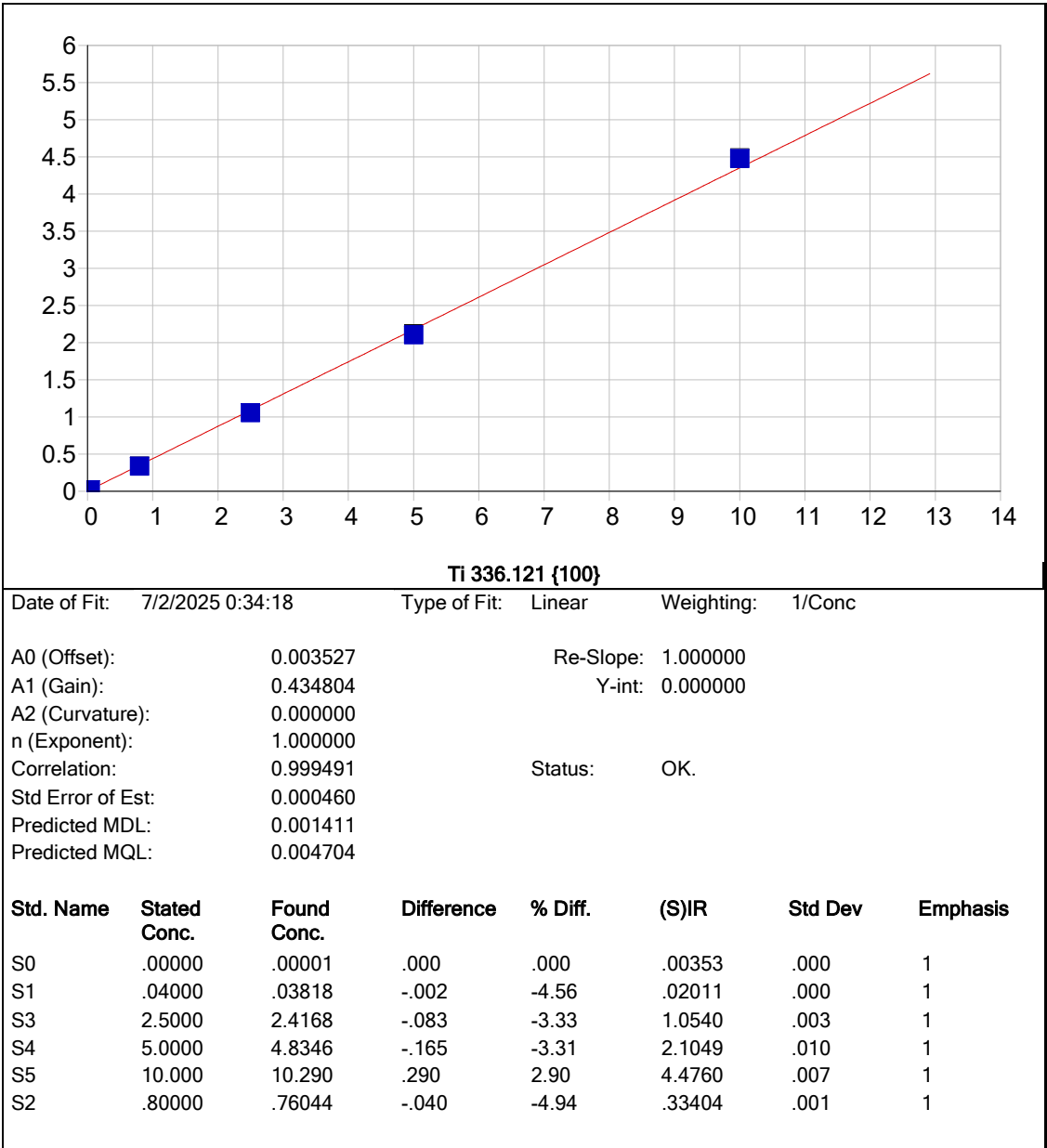
Status: OK.

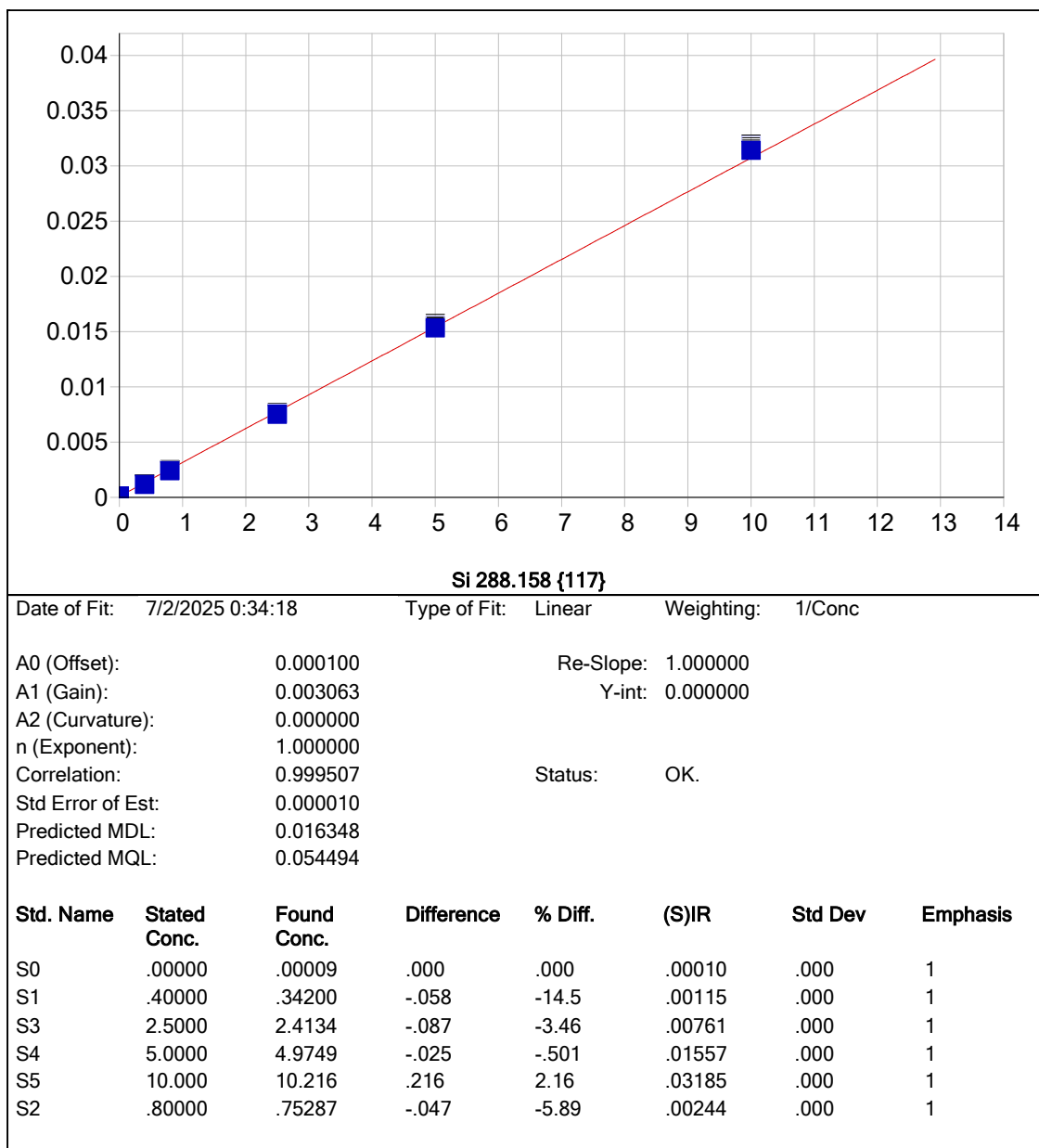
Std Error of Est: 0.000039

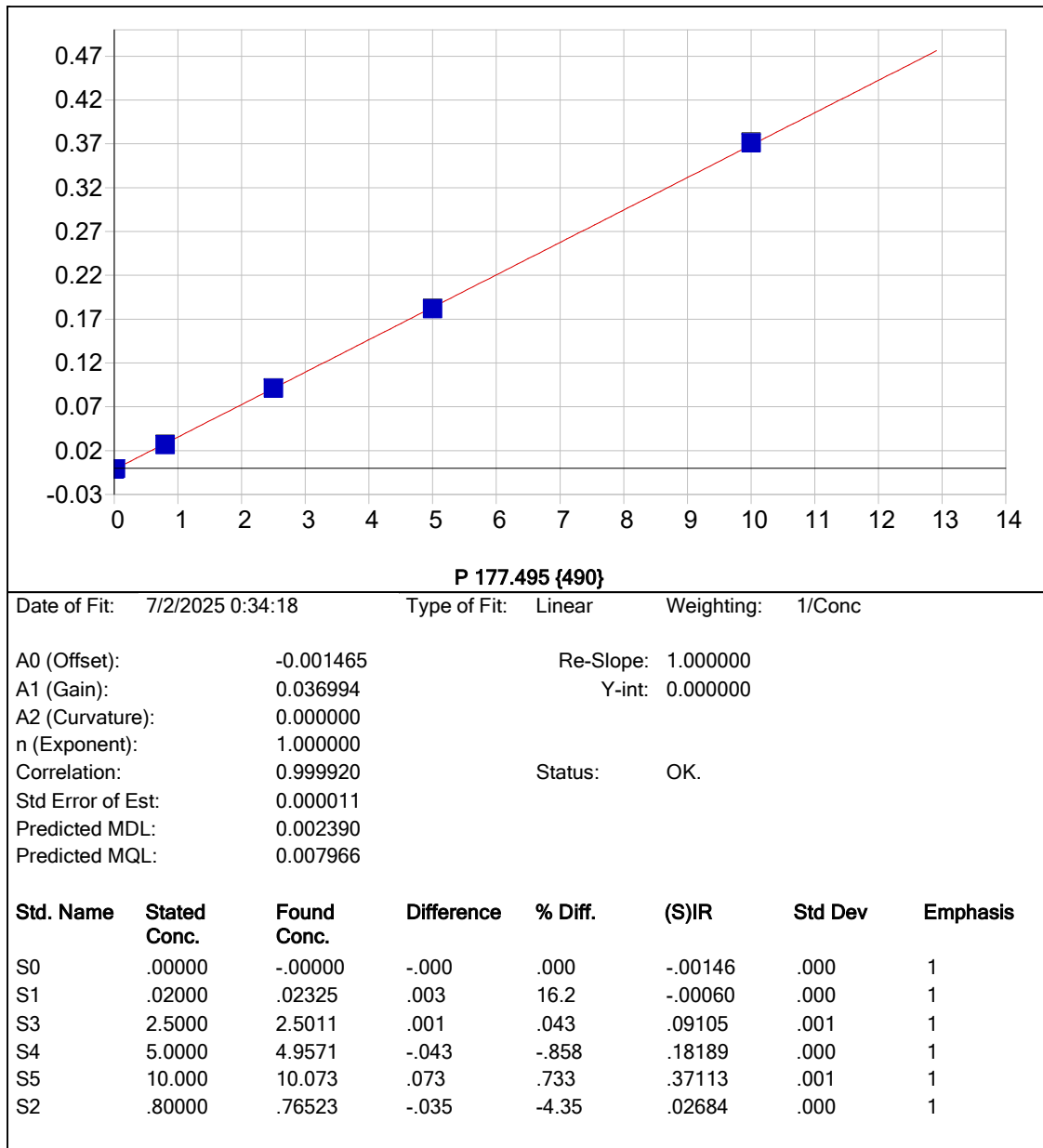
Predicted MDL: 0.000665

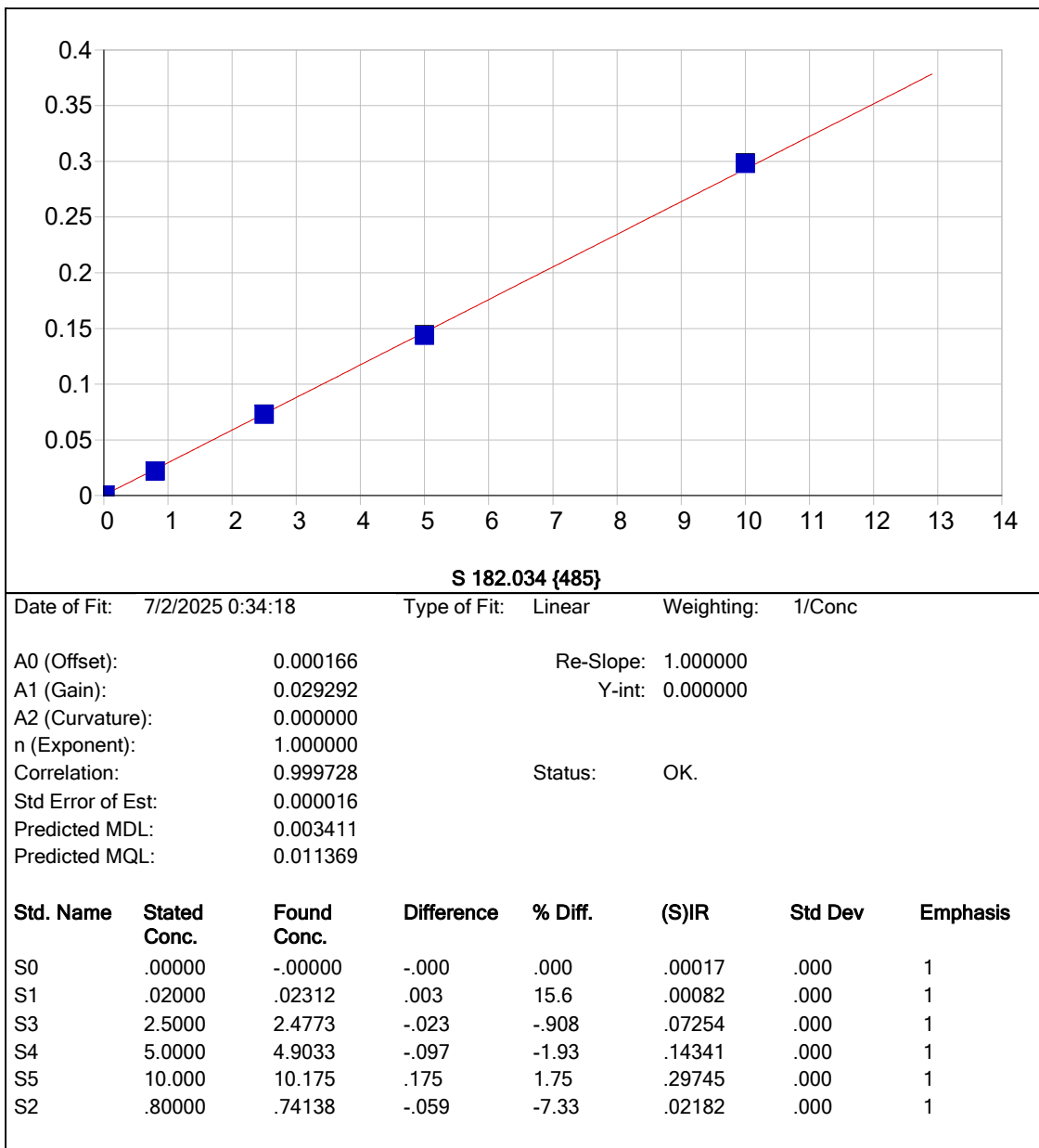
Predicted MQL: 0.002218

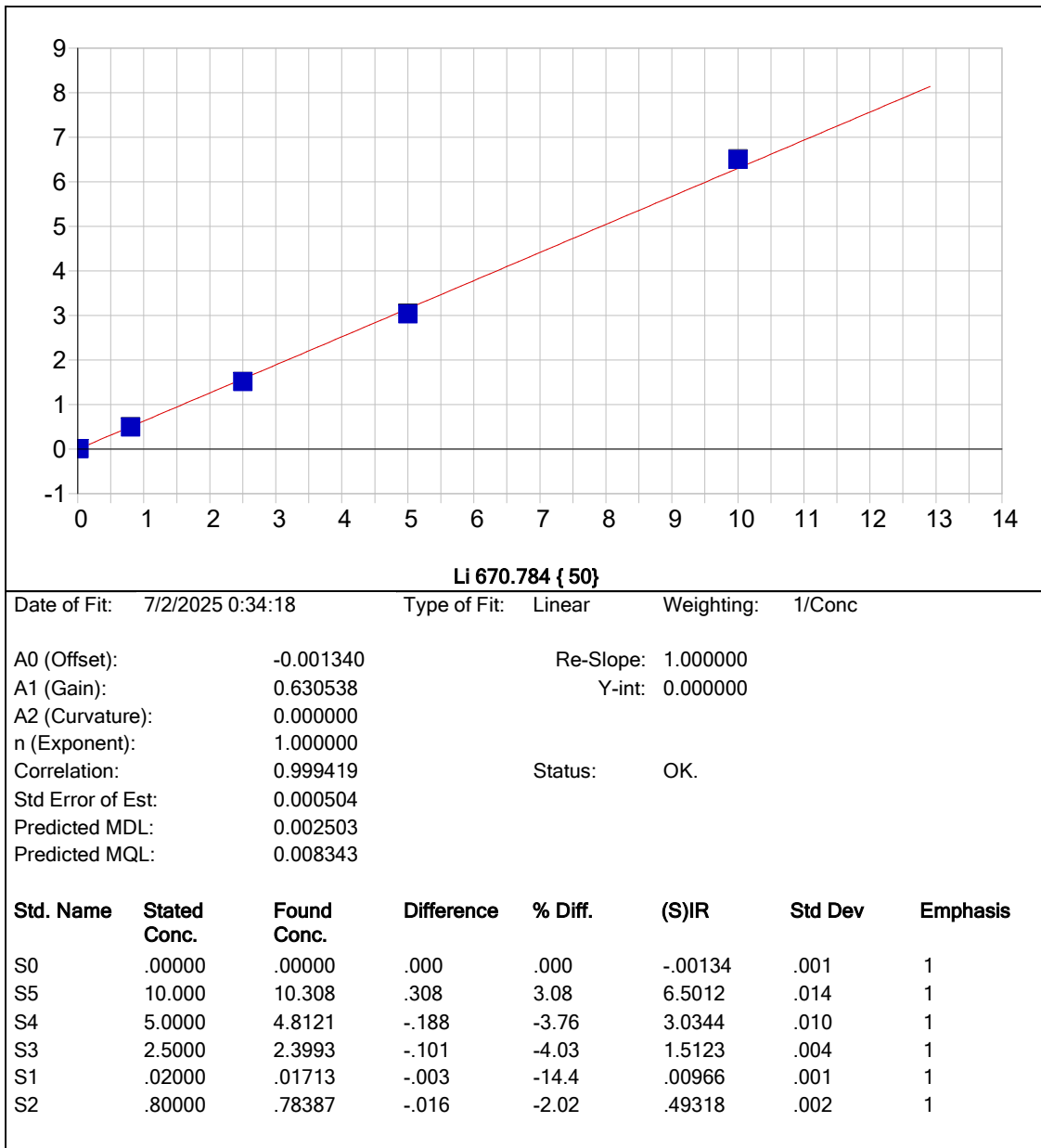
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00153	.000	1
S1	.04000	.04006	.000	.162	.00846	.000	1
S3	2.5000	2.5151	.015	.604	.43614	.003	1
S4	5.0000	4.9766	-.023	-.469	.86147	.003	1
S5	10.000	10.029	.029	.291	1.7345	.003	1
S2	.80000	.77918	-.021	-2.60	.13617	.000	1

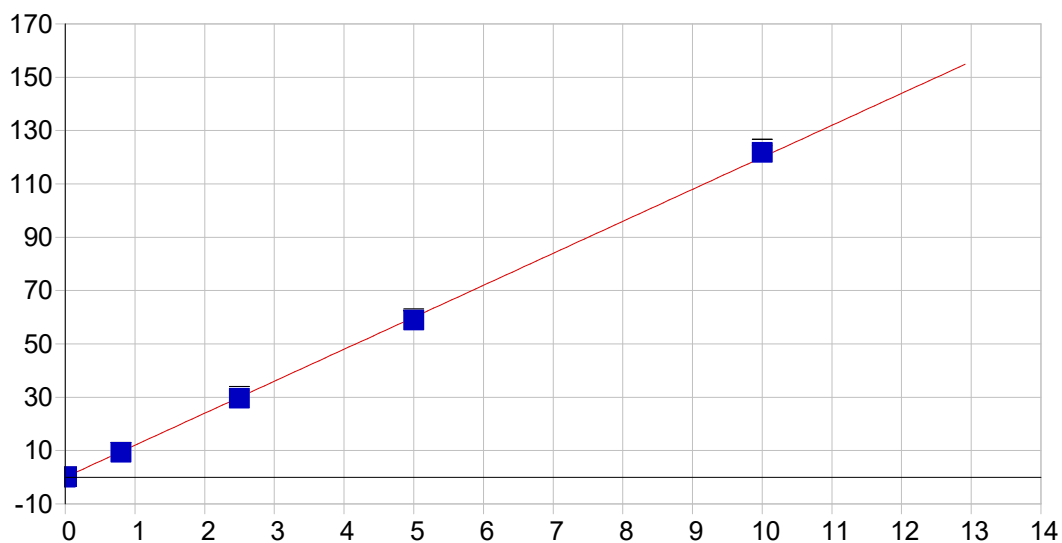










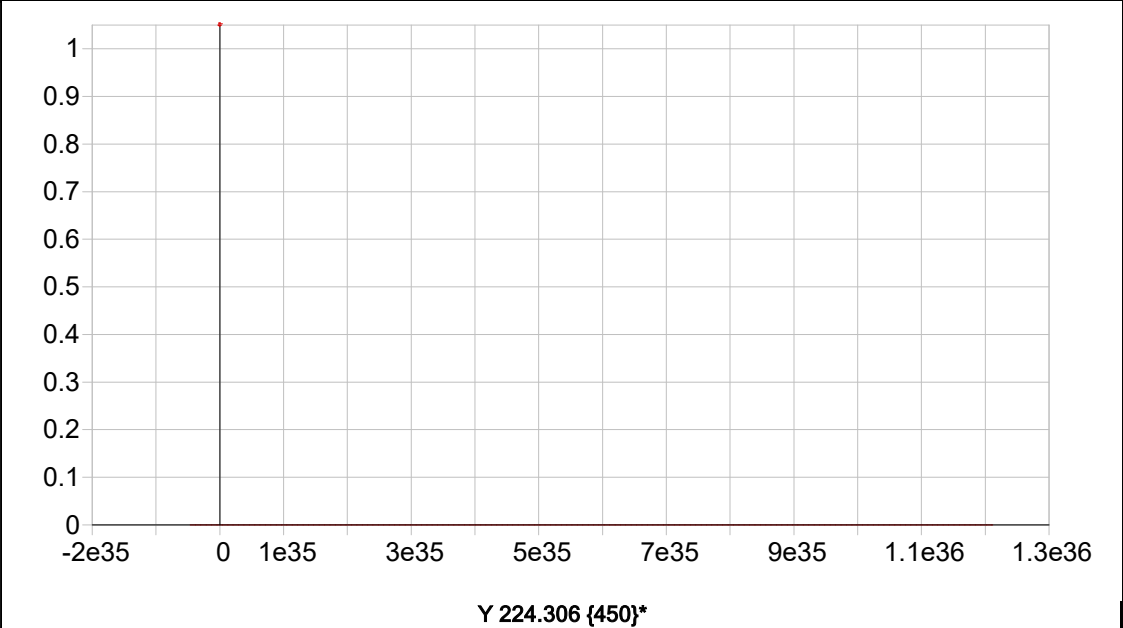


Sr 407.771 { 83}

Date of Fit: 7/2/2025 0:34:18 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000635 Re-Slope: 1.000000
A1 (Gain): 11.995059 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999866 Status: OK.
Std Error of Est: 0.004614
Predicted MDL: 0.000092
Predicted MQL: 0.000308

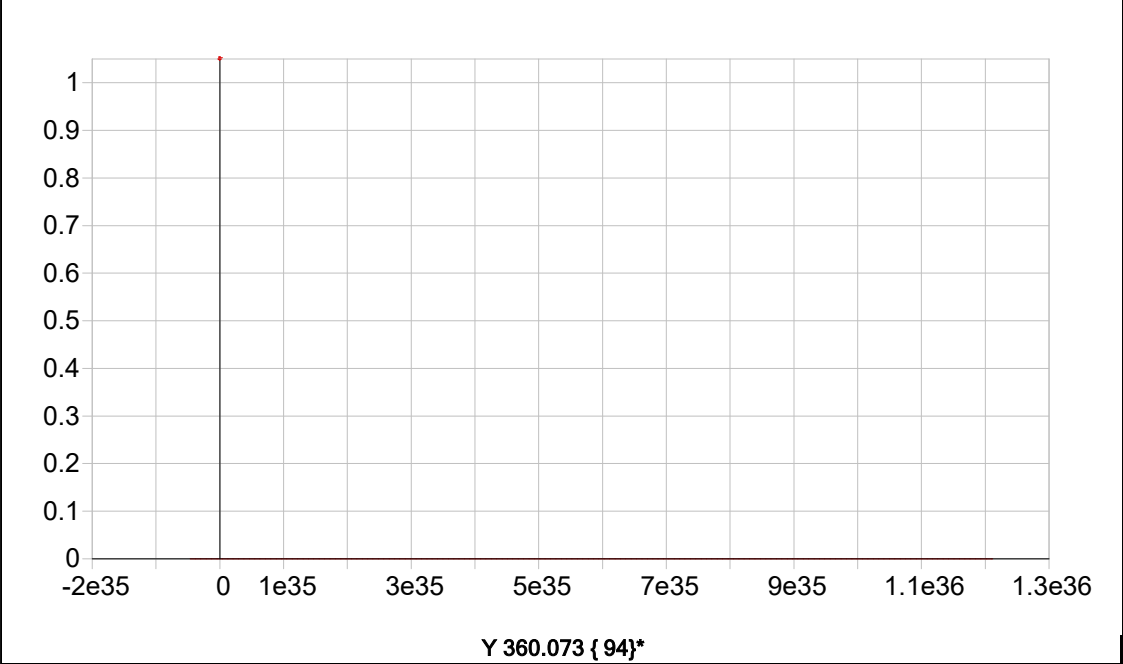
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00065	.001	1
S1	.02000	.01933	-.001	-3.37	.23359	.001	1
S3	2.5000	2.4629	-.037	-1.49	29.572	.786	1
S4	5.0000	4.9126	-.087	-1.75	58.985	.432	1
S5	10.000	10.148	.148	1.48	121.84	1.22	1
S2	.80000	.77728	-.023	-2.84	9.3334	.032	1



Date of Fit: 7/2/2025 0:34:18 Type of Fit: Linear Weighting: 1/Conc

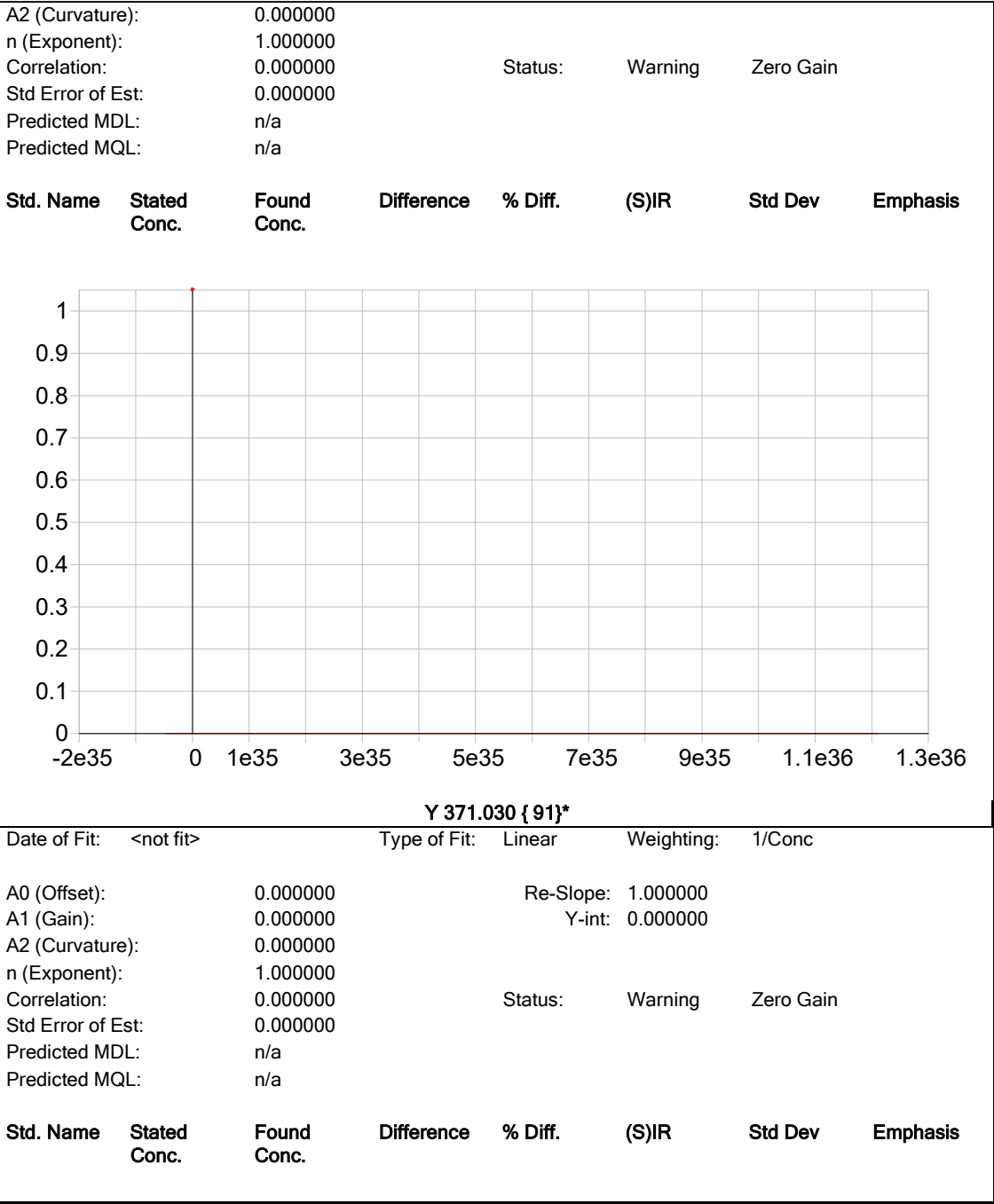
A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

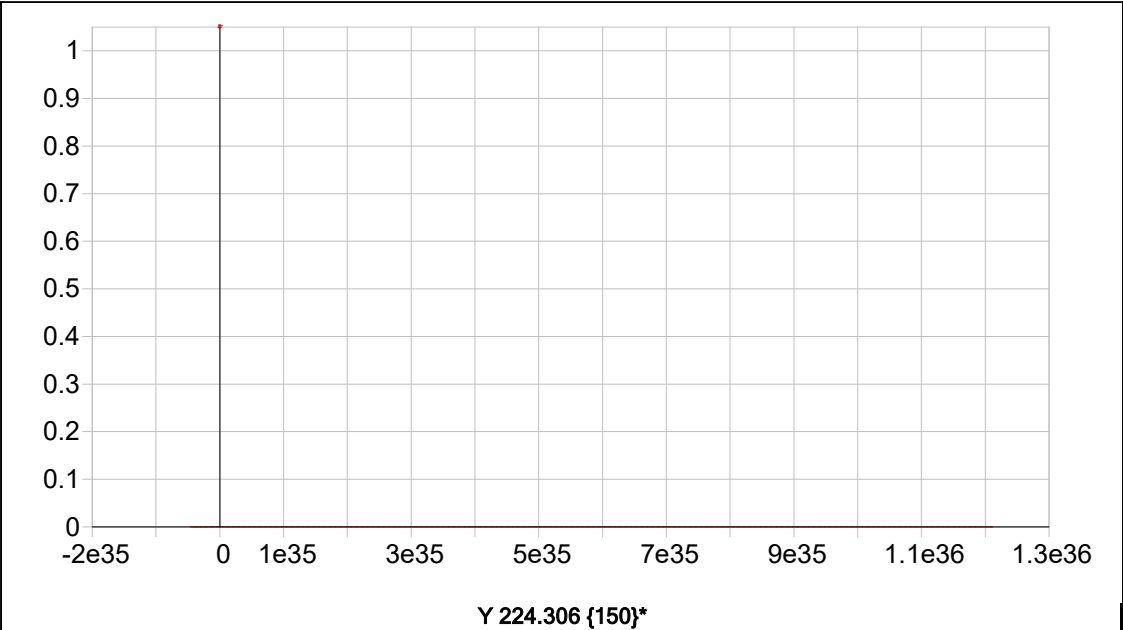
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

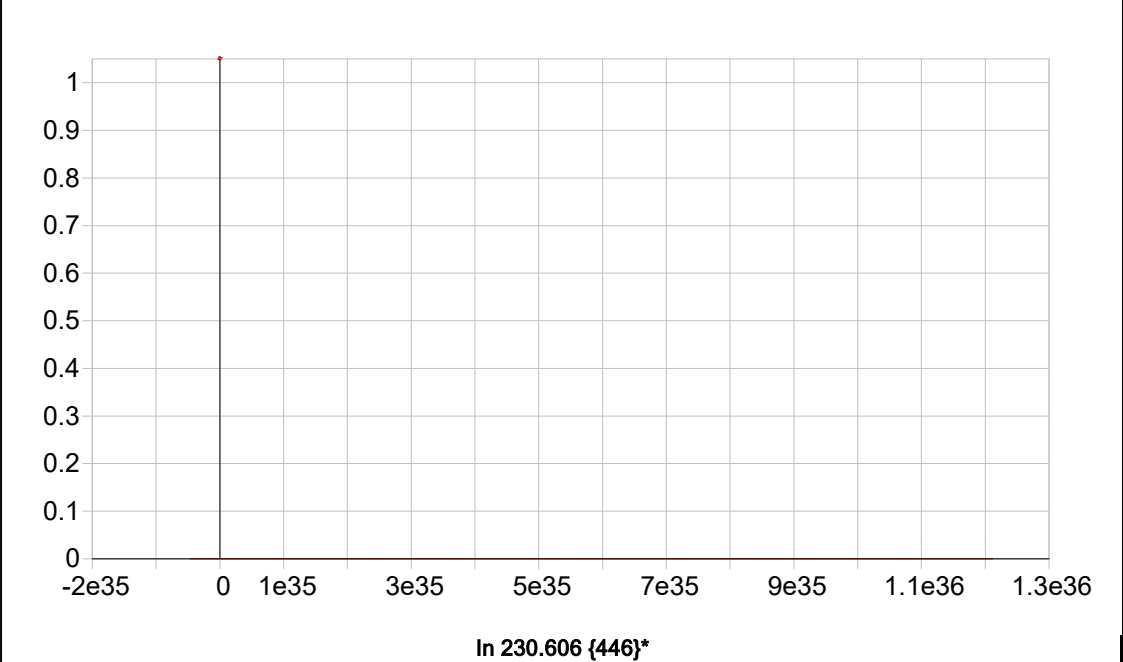
A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000





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

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



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

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

Sample Name: S0 Acquired: 7/1/2025 13:04:52 Type: Cal
Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00015	-.00036	-.00026	.00040	.00056	.00139	.16396
Stddev	.00005	.00003	.00022	.00009	.00022	.00088	.00353
%RSD	34.848	9.5110	84.392	21.235	39.786	63.184	2.1542

#1	-.00009	-.00033	-.00001	.00045	.00076	.00200	.16532
#2	-.00019	-.00035	-.00034	.00046	.00032	.00178	.15995
#3	-.00017	-.00040	-.00042	.00030	.00060	.00038	.16661

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00228	-.00061	.00233	.00027	.00040	.00065	.00001
Stddev	.00044	.00008	.00052	.00005	.00018	.00012	.00002
%RSD	19.100	13.801	22.110	20.070	45.817	18.802	127.32

#1	.00255	-.00071	.00249	.00026	.00048	.00051	.00004
#2	.00252	-.00059	.00275	.00033	.00052	.00074	.00000
#3	.00178	-.00055	.00176	.00022	.00019	.00071	.00001

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00057	.00026	-.00005	-.00008	-.00047	-.00050	.00241
Stddev	.00013	.00050	.00025	.00010	.00009	.00045	.00019
%RSD	23.319	193.59	538.95	127.25	18.204	89.484	8.0238

#1	.00049	-.00012	.00024	.00003	-.00057	-.00023	.00224
#2	.00050	.00083	-.00020	-.00011	-.00042	-.00026	.00262
#3	.00073	.00007	-.00018	-.00016	-.00042	-.00103	.00237

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00008	.00396	.00023	.00153	.00353	.00010	-.00146
Stddev	.00007	.00080	.00010	.00009	.00013	.00001	.00003
%RSD	87.395	20.160	41.835	5.7535	3.6499	11.281	2.0700

#1	.00000	.00437	.00012	.00149	.00349	.00010	-.00145
#2	.00014	.00304	.00029	.00148	.00367	.00011	-.00150
#3	.00012	.00448	.00029	.00164	.00343	.00009	-.00144

Sample Name: S0 Acquired: 7/1/2025 13:04:52 Type: Cal
 Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By: jasw
 On: 7/2/2025 4:45:
 PM
 Inst Id : P4
 LB : LB136344

Elem	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S
Avg	.00017	-.00134	.00065
Stddev	.00006	.00083	.00149
%RSD	34.281	62.230	227.26

#1	.00013	-.00228	.00229
#2	.00014	-.00101	.00028
#3	.00023	-.00072	-.00061

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5479.5	75553.	7493.2	5298.2	6508.0
Stddev	15.2	563.	93.7	28.6	27.3
%RSD	.27742	.74509	1.2511	.53930	.41934

#1	5496.1	75059.	7476.1	5286.0	6537.8
#2	5476.3	75434.	7594.3	5277.7	6501.8
#3	5466.2	76166.	7409.2	5330.8	6484.3

Sample Name: S1 Acquired: 7/1/2025 13:09:17 Type: Cal
Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:3
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00119	.00341	.00209	.00160	.00571	.01662	.38446
Stddev	.00001	.00008	.00028	.00008	.00020	.00107	.00244
%RSD	.89594	2.3360	13.284	5.3174	3.5746	6.4589	.63374

#1	.00121	.00336	.00204	.00168	.00572	.01586	.38173
#2	.00119	.00350	.00184	.00151	.00550	.01785	.38520
#3	.00119	.00336	.00239	.00160	.00591	.01616	.38643

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.05869	.01887	.11957	.00296	.02795	.01506	.00034
Stddev	.00073	.00032	.00050	.00001	.00030	.00006	.00002
%RSD	1.2522	1.7193	.41656	.49970	1.0621	.38629	4.5519

#1	.05900	.01875	.11942	.00295	.02769	.01509	.00035
#2	.05785	.01863	.11916	.00298	.02788	.01511	.00035
#3	.05923	.01924	.12012	.00295	.02828	.01500	.00032

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01398	.03408	.02750	.00256	.02413	.00514	.09729
Stddev	.00050	.00058	.00012	.00003	.00063	.00029	.00049
%RSD	3.5768	1.6935	.42214	1.1989	2.5997	5.5826	.50518

#1	.01432	.03367	.02744	.00256	.02416	.00491	.09672
#2	.01422	.03383	.02743	.00252	.02475	.00546	.09755
#3	.01341	.03474	.02764	.00258	.02349	.00505	.09759

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00836	.07933	.13441	.00846	.02011	.00115	-.00060
Stddev	.00024	.00174	.00037	.00011	.00027	.00005	.00003
%RSD	2.8674	2.1953	.27859	1.3095	1.3588	4.7558	5.2754

#1	.00863	.07989	.13439	.00834	.01990	.00116	-.00062
#2	.00827	.07737	.13405	.00847	.02042	.00119	-.00062
#3	.00817	.08072	.13480	.00856	.02003	.00109	-.00057

Sample Name: S1 Acquired: 7/1/2025 13:09:17 Type: Cal
Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S
Avg	.00082	.00966	.23359
Stddev	.00008	.00124	.00132
%RSD	9.6997	12.827	.56673

#1	.00088	.00934	.23207
#2	.00085	.00862	.23428
#3	.00073	.01103	.23443

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5289.9	78813.	7272.1	5444.2	6078.6
Stddev	31.2	1367.	28.0	56.7	34.8
%RSD	.59027	1.7344	.38557	1.0408	.57235

#1	5312.5	78579.	7277.8	5422.9	6103.3
#2	5303.0	77579.	7296.8	5401.3	6093.7
#3	5254.3	80282.	7241.6	5508.4	6038.8

Sample Name: S2 Acquired: 7/1/2025 13:13:37 Type: Cal
Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

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	.04628	.07665	.17074	.03815	.07839	.22034	3.6704	.35873
Stddev	.00043	.00078	.00069	.00013	.00037	.00085	.0186	.00662
%RSD	.93565	1.0216	.40597	.33534	.47490	.38740	.50707	1.8463

#1	.04641	.07753	.17021	.03828	.07849	.22119	3.6870	.35312
#2	.04580	.07604	.17049	.03802	.07798	.21948	3.6503	.35704
#3	.04663	.07639	.17153	.03814	.07870	.22034	3.6740	.36604

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.2465	.22383	.04374	.35452	.13618	.00258	.25517	.06321
Stddev	.0017	.00098	.00004	.00075	.00037	.00006	.00117	.00060
%RSD	.13579	.43682	.09487	.21193	.27357	2.3471	.45886	.95168

#1	1.2447	.22443	.04372	.35475	.13593	.00264	.25652	.06252
#2	1.2466	.22270	.04379	.35368	.13601	.00252	.25456	.06351
#3	1.2481	.22436	.04371	.35513	.13661	.00257	.25443	.06361

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	.26335	.05526	.05048	.05932	.94662	.01652	.57899	.52650
Stddev	.00059	.00017	.00107	.00040	.00573	.00063	.01437	.00229
%RSD	.22393	.30155	2.1263	.68101	.60574	3.8200	2.4813	.43535

#1	.26306	.05515	.05155	.05977	.95320	.01718	.56606	.52621
#2	.26296	.05545	.05047	.05898	.94270	.01646	.57647	.52437
#3	.26403	.05518	.04941	.05922	.94396	.01592	.59446	.52892

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	.13617	.33404	.00244	.02684	.02182	.49318	9.3334	
Stddev	.00049	.00092	.00006	.00003	.00011	.00156	.0321	
%RSD	.35702	.27462	2.3586	.12568	.51820	.31719	.34410	

#1	.13582	.33439	.00251	.02687	.02172	.49481	9.3630	
#2	.13597	.33300	.00240	.02680	.02194	.49170	9.2992	
#3	.13673	.33474	.00242	.02685	.02180	.49301	9.3379	

Sample Name: S2 Acquired: 7/1/2025 13:13:37 Type: Cal
Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5491.9	76033.	7361.0	5331.9	6344.0
Stddev	11.6	460.	132.1	15.0	7.0
%RSD	.21053	.60547	1.7939	.28107	.11042
#1	5499.0	75847.	7498.4	5318.1	6352.1
#2	5498.2	75695.	7349.6	5329.8	6340.7
#3	5478.6	76558.	7235.0	5347.8	6339.3

Sample Name: S3 Acquired: 7/1/2025 13:17:43 Type: Cal
Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

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	.15164	.24705	.54500	.12470	.25189	.69924	11.532	1.1549
Stddev	.00077	.00156	.00353	.00075	.00165	.00517	.023	.0152
%RSD	.50935	.63142	.64814	.60142	.65670	.73882	.19537	1.3177

#1	.15074	.24873	.54604	.12396	.25051	.69786	11.542	1.1534
#2	.15208	.24565	.54107	.12546	.25372	.70496	11.548	1.1708
#3	.15208	.24676	.54790	.12466	.25143	.69491	11.507	1.1404

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	4.0329	.71341	.13070	1.1313	.42774	.00798	.81310	.20072
Stddev	.0214	.00232	.00022	.0039	.00140	.00010	.00574	.00121
%RSD	.53004	.32458	.17212	.34033	.32620	1.2626	.70627	.60494

#1	4.0380	.71434	.13071	1.1308	.42642	.00801	.81290	.20147
#2	4.0094	.71513	.13048	1.1277	.42760	.00787	.81894	.20136
#3	4.0512	.71078	.13092	1.1353	.42920	.00806	.80746	.19932

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	.82604	.17607	.16300	.19175	3.0403	.05415	1.8401	1.6455
Stddev	.00346	.00010	.00160	.00126	.0040	.00069	.0236	.0052
%RSD	.41871	.05613	.97979	.65648	.12996	1.2711	1.2810	.31474

#1	.82555	.17610	.16336	.19246	3.0408	.05417	1.8293	1.6407
#2	.82286	.17596	.16126	.19249	3.0361	.05346	1.8671	1.6448
#3	.82972	.17615	.16439	.19030	3.0440	.05484	1.8238	1.6510

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	.43614	1.0540	.00761	.09105	.07254	1.5123	29.572
Stddev	.00273	.0028	.00005	.00056	.00024	.0043	.786
%RSD	.62482	.26742	.67804	.61130	.32627	.28410	2.6582

#1	.43656	1.0557	.00757	.09158	.07230	1.5123	30.469
#2	.43323	1.0555	.00767	.09047	.07278	1.5166	29.243
#3	.43863	1.0507	.00758	.09109	.07254	1.5080	29.003

Sample Name: S3 Acquired: 7/1/2025 13:17:43 Type: Cal
Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5420.6	73353.	7218.5	5195.8	6123.3
Stddev	54.4	172.	74.6	10.8	75.7
%RSD	1.0036	.23384	1.0335	.20820	1.2360
#1	5407.9	73259.	7221.7	5189.2	6096.8
#2	5480.2	73551.	7142.4	5208.3	6208.7
#3	5373.6	73249.	7291.5	5190.0	6064.5

Sample Name: S4 Acquired: 7/1/2025 13:21:49 Type: Cal
Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

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	.29770	.49916	1.0808	.24250	.49166	1.4020	23.169	2.2487
Stddev	.00110	.00606	.0036	.00077	.00225	.0070	.349	.0360
%RSD	.36893	1.2142	.32861	.31840	.45863	.50044	1.5056	1.6020

#1	.29734	.49493	1.0809	.24208	.49103	1.4054	23.224	2.2749
#2	.29683	.50610	1.0772	.24203	.48979	1.3940	22.796	2.2076
#3	.29894	.49645	1.0843	.24339	.49416	1.4067	23.487	2.2635

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	8.0193	1.4161	.25262	2.2466	.82675	.01578	1.6117	.39919
Stddev	.0298	.0100	.00079	.0075	.00379	.00020	.0097	.00293
%RSD	.37162	.70375	.31206	.33246	.45828	1.2671	.59895	.73470

#1	8.0096	1.4190	.25213	2.2460	.82538	.01558	1.6139	.40076
#2	7.9955	1.4050	.25219	2.2395	.82383	.01598	1.6011	.39580
#3	8.0527	1.4243	.25353	2.2544	.83103	.01577	1.6201	.40099

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	1.6271	.34833	.32813	.38666	5.9111	.10871	3.6432	3.2516
Stddev	.0059	.00098	.00314	.00127	.0314	.00099	.0639	.0089
%RSD	.36011	.28012	.95782	.32779	.53157	.90669	1.7539	.27283

#1	1.6263	.34885	.32508	.38741	5.9160	.10799	3.6944	3.2478
#2	1.6217	.34720	.33136	.38520	5.8775	.10983	3.5716	3.2452
#3	1.6333	.34893	.32795	.38737	5.9398	.10830	3.6636	3.2617

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	.86147	2.1049	.01557	.18189	.14341	3.0344	58.985	
Stddev	.00295	.0096	.00015	.00033	.00047	.0097	.432	
%RSD	.34203	.45469	.98473	.17935	.32955	.31888	.73219	

#1	.86107	2.1098	.01541	.18181	.14287	3.0398	59.088	
#2	.85875	2.0938	.01572	.18161	.14362	3.0233	58.511	
#3	.86460	2.1110	.01558	.18225	.14375	3.0403	59.356	

Sample Name: S4 Acquired: 7/1/2025 13:21:49 Type: Cal
Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5404.9	73497.	7275.8	5192.7	6020.2
Stddev	20.6	435.	88.0	24.4	24.2
%RSD	.38145	.59199	1.2098	.47037	.40118
#1	5383.4	73997.	7234.6	5212.5	5994.2
#2	5424.5	73296.	7376.9	5200.1	6042.0
#3	5406.8	73199.	7216.0	5165.4	6024.2

Sample Name: S5 Acquired: 7/1/2025 13:26:02 Type: Cal
Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

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	.60493	.96355	2.1954	.48922	1.0059	2.9527	47.864	4.7804
Stddev	.00129	.01105	.0056	.00035	.0026	.0017	.803	.0360
%RSD	.21341	1.1472	.25468	.07120	.25747	.05908	1.6785	.75285

#1	.60544	.96385	2.1891	.48919	1.0070	2.9534	48.780	4.7448
#2	.60347	.97446	2.1974	.48888	1.0030	2.9540	47.280	4.7796
#3	.60590	.95235	2.1998	.48958	1.0078	2.9507	47.532	4.8168

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	16.230	2.9953	.50619	4.5950	1.6583	.03129	3.3923	.85362
Stddev	.036	.0033	.00089	.0084	.0030	.00021	.0030	.00359
%RSD	.22222	.11003	.17662	.18244	.17877	.65744	.08976	.42046

#1	16.190	2.9989	.50627	4.5873	1.6574	.03153	3.3889	.85209
#2	16.238	2.9944	.50526	4.5937	1.6559	.03117	3.3949	.85106
#3	16.261	2.9925	.50705	4.6039	1.6616	.03117	3.3930	.85773

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	3.3121	.70725	.65240	.82156	11.867	.21731	7.7742	6.5704
Stddev	.0087	.00146	.00571	.00086	.025	.00182	.0571	.0113
%RSD	.26209	.20589	.87524	.10472	.21046	.83678	.73488	.17129

#1	3.3032	.70751	.65899	.82236	11.846	.21941	7.7199	6.5770
#2	3.3124	.70569	.64897	.82168	11.860	.21625	7.7688	6.5574
#3	3.3206	.70857	.64923	.82065	11.895	.21626	7.8338	6.5768

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	1.7345	4.4760	.03185	.37113	.29745	6.5012	121.84
Stddev	.0031	.0072	.00012	.00069	.00035	.0136	1.22
%RSD	.17674	.16065	.37735	.18479	.11704	.20879	1.0018

#1	1.7311	4.4843	.03195	.37112	.29705	6.5160	122.96
#2	1.7371	4.4724	.03172	.37045	.29763	6.4982	120.54
#3	1.7354	4.4714	.03189	.37182	.29767	6.4893	122.02

Sample Name: S5 Acquired: 7/1/2025 13:26:02 Type: Cal
Method: 6010-200.7 NEW(v20) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5294.9	71774.	6689.0	5024.8	5829.6
Stddev	4.3	149.	45.5	10.9	11.2
%RSD	.08072	.20746	.68053	.21677	.19144
#1	5291.9	71715.	6738.8	5023.8	5839.7
#2	5293.0	71943.	6678.7	5036.1	5817.6
#3	5299.8	71663.	6649.5	5014.4	5831.4

Sample Name: ICV01 Acquired: 7/1/2025 13:30:15 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.153147	3.898203	4.000422	4.195469	4.236366	7.652814
Stddev	.007645	.050944	.021053	.012014	.006783	.039152
%RSD	.1840751	1.306852	.5262783	.2863536	.1601078	.5116052

#1	4.144668	3.918443	4.020726	4.187161	4.228583	7.617715
#2	4.159512	3.935916	3.978692	4.209244	4.241011	7.645686
#3	4.155262	3.840249	4.001849	4.190002	4.239505	7.695041

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.709869	.1945237	2.037435	19.05374	.8149205	2.050563
Stddev	.029107	.0020659	.008522	.07751	.0033408	.007260
%RSD	.3775333	1.062027	.4182492	.4068205	.4099580	.3540480

#1	7.686860	.1927479	2.044794	18.96478	.8179454	2.055508
#2	7.700157	.1940322	2.028098	19.10678	.8154813	2.042228
#3	7.742591	.1967910	2.039413	19.08966	.8113347	2.053953

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.052582	4.034625	1.909634	18.92414	2.051038	.9031418
Stddev	.002101	.051409	.008728	.13658	.006782	.0017517
%RSD	.1995909	1.274187	.4570752	.7217217	.3306749	.1939568

#1	1.051859	4.083686	1.901545	18.80186	2.055171	.9036367
#2	1.050938	4.039035	1.908471	18.89903	2.043211	.9045929
#3	1.054949	3.981153	1.918886	19.07153	2.054732	.9011959

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.61801	1.903299	2.046442	20.59066	3.698711	3.978680
Stddev	.15482	.011048	.003027	.17382	.036147	.003213
%RSD	.7509198	.5804468	.1479221	.8441788	.9772825	.0807537

#1	20.78460	1.891168	2.045682	20.76782	3.659902	3.979453
#2	20.59092	1.905949	2.049777	20.58379	3.704811	3.981437
#3	20.47852	1.912781	2.043867	20.42038	3.731420	3.975151

Sample Name: ICV01 Acquired: 7/1/2025 13:30:15 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.020137	3.730787	3.629800	F .0019933	F .0235808	F .0097395
Stddev	.020581	.012201	.036721	.0031502	.0016136	.0022560
%RSD	.5119481	.3270303	1.011653	158.0370	6.842851	23.16394

#1	4.041821	3.721043	3.671637	-.001134	.0218443	.0122284
#2	4.000872	3.726846	3.614856	.005166	.0250340	.0091611
#3	4.017719	3.744471	3.602907	.001949	.0238640	.0078289

Elem	Sr4077
Units	ppm
Avg	F -.003593
Stddev	.000070
%RSD	1.961313

#1	-.003622
#2	-.003643
#3	-.003512

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5290.090	73892.92	7479.960	5221.672	5920.041
Stddev	31.662	358.73	54.452	14.035	47.250
%RSD	.5985210	.4854668	.7279766	.2687915	.7981427

#1	5258.372	73510.95	7532.205	5218.217	5873.978
#2	5321.697	73945.14	7484.135	5209.687	5968.395
#3	5290.202	74222.67	7423.541	5237.112	5917.751

Sample Name: LLICV01 Acquired: 7/1/2025 13:34:12 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0228247	.0413357	.0119592	.0237008	.0515695	.0998811	.0912855
Stddev	.0005640	.0005719	.0004549	.0059254	.0006424	.0062937	.0018501
%RSD	2.471174	1.383502	3.804078	25.00077	1.245759	6.301238	2.026695

#1	.0222328	.0408233	.0114698	.0267929	.0521292	.0952149	.0907047
#2	.0233560	.0419526	.0123692	.0274405	.0517114	.1070393	.0897955
#3	.0228853	.0412311	.0120388	.0168690	.0508680	.0973892	.0933563

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060552	.0058996	1.987487	.0107163	.0300201	.0213181	.1061973
Stddev	.0000245	.0000864	.004157	.0004138	.0000778	.0001579	.0023786
%RSD	.4047991	1.464616	.2091831	3.861083	.2591495	.7406394	2.239755

#1	.0060798	.0058886	1.989863	.0106792	.0300114	.0214343	.1086790
#2	.0060551	.0058192	1.982687	.0111474	.0301019	.0213816	.1039375
#3	.0060307	.0059910	1.989912	.0103224	.0299470	.0211383	.1059754

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0205559	2.031891	.0408907	.0097204	2.011798	.0391534	.0418435
Stddev	.0002968	.021782	.0000898	.0003868	.019158	.0011358	.0001944
%RSD	1.444014	1.072011	.2196267	3.979571	.9522806	2.900872	.4646797

#1	.0208405	2.012236	.0408740	.0092737	2.001865	.0388534	.0416196
#2	.0202482	2.028127	.0408103	.0099479	2.033882	.0404091	.0419700
#3	.0205789	2.055309	.0409876	.0099394	1.999646	.0381978	.0419409

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.983890	.1145009	.2048027	.0387899	.0383776	.3756296	.0224923
Stddev	.045604	.0006956	.0006671	.0002271	.0008609	.0086106	.0017746
%RSD	2.298696	.6075446	.3257089	.5854193	2.243283	2.292315	7.889912

#1	2.016554	.1149291	.2046863	.0385595	.0375257	.3848003	.0211205
#2	2.003327	.1148754	.2042015	.0387966	.0383597	.3677176	.0218600
#3	1.931788	.1136983	.2055203	.0390135	.0392473	.3743711	.0244965

Sample Name: LLICV01 Acquired: 7/1/2025 13:34:12 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0200613	.0217715	.0195239
Stddev	.0038621	.0007107	.0000482
%RSD	19.25141	3.264473	.2467852

#1	.0222278	.0225071	.0194721
#2	.0223537	.0217189	.0195323
#3	.0156023	.0210886	.0195674

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5437.031	76311.66	7470.489	5371.652	6310.122
Stddev	21.582	554.06	14.377	39.974	24.870
%RSD	.3969481	.7260503	.1924454	.7441606	.3941240

#1	5449.391	76756.37	7485.076	5415.078	6331.772
#2	5449.592	75690.99	7470.058	5336.392	6315.637
#3	5412.110	76487.63	7456.332	5363.485	6282.958

Sample Name: ICB01 Acquired: 7/1/2025 13:38:27 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011187	.0010547	-.000337	-.000885	-.000945	.0246846	-.002875
Stddev	.0018216	.0010203	.000819	.004561	.001002	.0046937	.001592
%RSD	162.8329	96.73201	242.6663	515.4062	106.0591	19.01470	55.38500

#1	.0004925	.0014981	.000605	-.002903	-.000635	.0219208	-.002464
#2	.0031708	-.000112	-.000744	-.004088	-.002065	.0301041	-.004633
#3	-.000307	.001778	-.000874	.004337	-.000134	.0220290	-.001529

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000400	.0000036	.0231160	.0001619	-.000050	-.000167	-.002412
Stddev	.0000311	.0000545	.0036243	.0003174	.000149	.000262	.004361
%RSD	77.62222	1505.103	15.67865	196.0616	299.7881	157.3006	180.8364

#1	.0000253	-.000022	.0192232	-.000139	-.000011	.000058	-.006932
#2	.0000191	.000066	.0263928	.000494	-.000214	-.000455	-.002074
#3	.0000757	-.000034	.0237320	.000131	.000076	-.000104	.001771

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002288	-.003734	-.000187	-.000091	.0075571	.0001520	.0002496
Stddev	.0003169	.008209	.000161	.000539	.0042717	.0018857	.0003159
%RSD	138.5356	219.8626	86.17362	594.8722	56.52583	1240.527	126.5555

#1	.0002592	.005482	-.000027	.000062	.0093616	-.000185	-.000034
#2	-.000102	-.010262	-.000349	.000356	.0026793	-.001543	.000590
#3	.000529	-.006422	-.000185	-.000690	.0106305	.002183	.000193

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0325313	.0102303	.0002452	-.002167	-.000055	.0184800	.0035948
Stddev	.0339396	.0009042	.0001159	.000094	.001672	.0106287	.0013019
%RSD	104.3293	8.838417	47.27309	4.326923	3030.501	57.51469	36.21690

#1	-.006625	.0099765	.0002705	-.002184	-.001156	.0300159	.0027147
#2	.053522	.0112343	.0003464	-.002251	.001869	.0090841	.0029793
#3	.050696	.0094802	.0001188	-.002065	-.000878	.0163400	.0050904

Sample Name: ICB01 Acquired: 7/1/2025 13:38:27 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0004340	.0006128	-.000006
Stddev	.0020161	.0009293	.000022
%RSD	464.5189	151.6537	387.8505

#1	.0024354	-.000443	.000018
#2	-.001597	.000974	-.000025
#3	.000463	.001307	-.000011

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5579.211	73213.68	7388.099	5226.678	6638.969
Stddev	9.732	209.31	34.201	5.431	20.487
%RSD	.1744290	.2858863	.4629264	.1039074	.3085941

#1	5579.715	73158.21	7427.177	5225.397	6638.434
#2	5588.680	73445.14	7363.616	5232.634	6659.718
#3	5569.237	73037.70	7373.505	5222.002	6618.754

Sample Name: CRI01 Acquired: 7/1/2025 13:48:03 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0236394	.0414984	.0111382	.0184419	.0495039	.0952212	.0871634
Stddev	.0013500	.0019926	.0010900	.0009295	.0015746	.0015133	.0032401
%RSD	5.710833	4.801709	9.786387	5.040131	3.180710	1.589235	3.717318

#1	.0226761	.0408776	.0122295	.0182492	.0512794	.0967630	.0846467
#2	.0251824	.0398900	.0100494	.0176239	.0489553	.0937381	.0860242
#3	.0230596	.0437275	.0111358	.0194526	.0482771	.0951624	.0908192

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058619	.0058814	1.972627	.0106648	.0299885	.0214646	.1110634
Stddev	.0001328	.0000353	.024951	.0002942	.0001711	.0003640	.0036065
%RSD	2.265030	.6007605	1.264864	2.758725	.5705431	1.695979	3.247276

#1	.0057091	.0058528	1.955474	.0109918	.0298790	.0218490	.1073963
#2	.0059495	.0059209	1.961155	.0104217	.0299008	.0214196	.1111878
#3	.0059270	.0058705	2.001250	.0105807	.0301856	.0211252	.1146062

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0196976	2.027683	.0407433	.0096186	2.069045	.0388488	.0416342
Stddev	.0004179	.023379	.0002991	.0004425	.058338	.0021700	.0003647
%RSD	2.121731	1.153011	.7342207	4.600260	2.819566	5.585726	.8760128

#1	.0196807	2.000775	.0406907	.0091151	2.125428	.0408541	.0416221
#2	.0201237	2.043022	.0404739	.0099459	2.008931	.0365450	.0412756
#3	.0192884	2.039253	.0410652	.0097946	2.072774	.0391474	.0420048

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.101172	.1011048	.2044007	.0397305	.0372560	.3640587	.0215187
Stddev	.024491	.0030794	.0009399	.0005083	.0008394	.0097001	.0007975
%RSD	1.165608	3.045757	.4598053	1.279324	2.253030	2.664428	3.705998

#1	2.078797	.0976014	.2038561	.0392477	.0364641	.3732147	.0211462
#2	2.097382	.1033831	.2038601	.0402609	.0371681	.3650680	.0224343
#3	2.127338	.1023300	.2054860	.0396830	.0381360	.3538934	.0209757

Sample Name: CRI01 Acquired: 7/1/2025 13:48:03 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0215564	.0230609	.0194520
Stddev	.0008207	.0006266	.0001030
%RSD	3.807337	2.717330	.5294604

#1	.0224143	.0223839	.0194629
#2	.0207788	.0231782	.0193441
#3	.0214760	.0236206	.0195492

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5434.322	76255.58	7690.236	5363.339	6313.094
Stddev	22.511	715.34	169.460	47.760	38.994
%RSD	.4142410	.9380769	2.203578	.8904876	.6176704

#1	5433.003	76097.42	7885.889	5343.016	6309.387
#2	5412.499	77036.76	7589.845	5417.899	6276.086
#3	5457.464	75632.56	7594.973	5329.102	6353.809

Sample Name: ICSA01 Acquired: 7/1/2025 13:52:17 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002796	.0034499	-.009528	.0048422	.0030121	237.3761	-.003181
Stddev	.0022606	.0008939	.001604	.0010782	.0028514	.3136	.001375
%RSD	808.4277	25.91100	16.82963	22.26658	94.66477	.1321074	43.23515

#1	.0028883	.0024533	-.011212	.0035972	.0026542	237.6643	-.004295
#2	-.001105	.0041809	-.009351	.0054551	.0060256	237.4219	-.003604
#3	-.000945	.0037156	-.008020	.0054741	.0003565	237.0422	-.001644

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010252	-.004489	228.0054	.0588974	.0005615	-.012186	101.0173
Stddev	.0000633	.000150	.1544	.0001408	.0003015	.000381	.3663
%RSD	6.177598	3.332600	.0677391	.2390135	53.69881	3.124855	.3626539

#1	.0010535	-.004408	227.8314	.0590511	.0002609	-.011834	100.8393
#2	.0009526	-.004661	228.1262	.0588663	.0005598	-.012590	101.4386
#3	.0010694	-.004396	228.0586	.0587747	.0008640	-.012134	100.7740

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044988	237.4593	.0115634	-.002150	.0461884	.0019723	.0019822
Stddev	.0000737	.5445	.0004072	.000274	.0086380	.0020245	.0001870
%RSD	1.638693	.2293116	3.521581	12.74068	18.70174	102.6479	9.432497

#1	.0045285	236.8312	.0114701	-.001953	.0366164	.0008669	.0021856
#2	.0044148	237.7973	.0120091	-.002033	.0485456	.0043089	.0019432
#3	.0045530	237.7495	.0112109	-.002462	.0534031	.0007412	.0018178

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0535836	.0644093	.0021878	-.002221	-.002716	.0219841	.0056590
Stddev	.0445296	.0005674	.0002877	.000232	.000123	.0136468	.0017773
%RSD	83.10299	.8809822	13.15002	10.44256	4.515362	62.07594	31.40623

#1	.0997744	.0646642	.0018637	-.002457	-.002608	.0361423	.0040630
#2	.0109257	.0648046	.0022868	-.001993	-.002849	.0208963	.0053397
#3	.0500507	.0637591	.0024129	-.002212	-.002691	.0089137	.0075742

Sample Name: ICSA01 Acquired: 7/1/2025 13:52:17 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: ICSA01 Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.010240	.0193233	.0003244
Stddev	.006489	.0034477	.0004309
%RSD	63.37415	17.84246	132.8470

#1	-.017720	.0166897	.0008140
#2	-.006127	.0232256	.0001565
#3	-.006871	.0180545	.0000026

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4931.050	67869.66	7228.960	4822.734	5343.763
Stddev	19.603	418.19	49.829	19.010	24.959
%RSD	.3975493	.6161717	.6892992	.3941691	.4670687

#1	4930.671	68276.53	7259.982	4839.702	5348.316
#2	4950.840	67891.43	7255.415	4826.310	5366.133
#3	4911.639	67441.00	7171.483	4802.191	5316.841

Sample Name: ICSAB01 Acquired: 7/1/2025 13:56:27 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1011458	.0918727	.0385672	.0567346	.6204685	235.5909
Stddev	.0014595	.0018450	.0018968	.0023828	.0023025	.4817
%RSD	1.442950	2.008227	4.918242	4.199851	.3710835	.2044795

#1	.1003616	.0927864	.0368887	.0559213	.6230144	235.0754
#2	.1028297	.0897491	.0406250	.0594176	.6185321	235.6678
#3	.1002460	.0930826	.0381878	.0548650	.6198591	236.0296

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4679115	.4683934	.9700361	226.8784	.5517079	.4908510
Stddev	.0020258	.0065227	.0034143	.7000	.0062733	.0009810
%RSD	.4329451	1.392573	.3519754	.3085377	1.137074	.1998574

#1	.4659713	.4749074	.9680174	226.2929	.5588707	.4898268
#2	.4677500	.4618620	.9681127	226.6884	.5490621	.4909439
#3	.4700132	.4684108	.9739782	227.6537	.5471909	.4917822

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4750120	100.0640	.4830875	235.3722	.9810628	.2291831
Stddev	.0015682	.6580	.0001954	.7562	.0027088	.0020393
%RSD	.3301449	.6575667	.0404415	.3212715	.2761059	.8898008

#1	.4745463	99.9004	.4831450	234.9071	.9791819	.2315034
#2	.4737293	100.7883	.4832477	234.9648	.9798389	.2276755
#3	.4767603	99.5032	.4828699	236.2447	.9841675	.2283703

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0518685	.4751393	1.034863	.0140027	F .0628849	F .0017529
Stddev	.0072978	.0026643	.015690	.0261134	.0008733	.0000358
%RSD	14.06991	.5607347	1.516165	186.4886	1.388808	2.044342

#1	.0500153	.4720630	1.052920	-.007089	.0618784	.0017843
#2	.0599143	.4766511	1.027118	.043210	.0633336	.0017607
#3	.0456759	.4767038	1.024552	.005887	.0634427	.0017139

Sample Name: ICSAB01 Acquired: 7/1/2025 13:56:27 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.003901	F -.003017	F .0138278	F .0096277	F -.006994	F .0194510
Stddev	.000383	.002080	.0055938	.0019016	.001261	.0012436
%RSD	9.810265	68.95538	40.45337	19.75122	18.02700	6.393719

#1	-.003585	-.002518	.0200742	.0118132	-.008262	.0182242
#2	-.004327	-.005302	.0121284	.0083516	-.006982	.0194181
#3	-.003792	-.001231	.0092808	.0087183	-.005740	.0207108

Elem	Sr4077
Units	ppm
Avg	F .0003342
Stddev	.0004352
%RSD	130.2385

#1	.0004387
#2	-.000144
#3	.000708

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5123.003	70426.40	7502.267	4981.975	5568.496
Stddev	25.567	461.07	80.385	46.061	27.285
%RSD	.4990692	.6546777	1.071473	.9245442	.4899863

#1	5126.821	69898.74	7460.849	4928.816	5577.962
#2	5146.447	70751.58	7594.914	5010.028	5589.786
#3	5095.741	70628.87	7451.038	5007.081	5537.738

Sample Name: ICSADLX20 Acquired: 7/1/2025 14:00:32 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSADLX20 Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000627	.0018758	-.001814	-.000118	-.001801	11.71914	.0008206
Stddev	.000383	.0009018	.000826	.000714	.002108	.01734	.0014426
%RSD	60.99012	48.07737	45.52932	605.8452	117.0033	.1479875	175.7910

#1	-.000709	.0014935	-.002532	.000570	-.002705	11.70048	-.000432
#2	-.000211	.0012281	-.001999	-.000856	-.003306	11.73477	.000496
#3	-.000963	.0029058	-.000911	-.000067	.000607	11.72217	.002398

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001589	-.000237	11.55305	.0028933	.0002106	-.000716	4.572698
Stddev	.0000687	.000098	.05162	.0001796	.0002484	.000167	.034187
%RSD	43.22615	41.25495	.4467846	6.208688	117.9727	23.28338	.7476354

#1	.0001644	-.000124	11.57524	.0030306	.0001120	-.000900	4.604355
#2	.0002247	-.000287	11.58986	.0026900	.0000266	-.000673	4.577293
#3	.0000876	-.000299	11.49405	.0029592	.0004931	-.000575	4.536445

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003580	12.11972	.0005562	-.000675	.0049873	-.001437	.0002194
Stddev	.0001397	.04964	.0001566	.000377	.0047452	.000739	.0000632
%RSD	39.00819	.4096043	28.15974	55.81111	95.14543	51.39723	28.80993

#1	.0005142	12.12827	.0004567	-.000478	.0085055	-.001745	.0001659
#2	.0003146	12.16453	.0004752	-.000438	-.000410	-.000594	.0002892
#3	.0002453	12.06636	.0007367	-.001109	.006866	-.001972	.0002031

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.025108	.0023237	-.000026	-.001537	.0011555	-.008448	.0056891
Stddev	.034824	.0008799	.000160	.000515	.0009865	.011615	.0019993
%RSD	138.7004	37.86656	606.2863	33.53117	85.37766	137.4900	35.14180

#1	-.063331	.0027175	.000089	-.002119	.0002253	-.003671	.0067692
#2	-.016811	.0029379	-.000209	-.001140	.0021900	-.021690	.0033821
#3	.004819	.0013157	.000040	-.001350	.0010511	.000017	.0069160

Sample Name: ICSADLX20 Acquired: 7/1/2025 14:00:32 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSADLX20 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000210	.0016450	.0003774
Stddev	.004082	.0014715	.0000871
%RSD	1941.937	89.45243	23.07903

#1	.004483	.0000356	.0002961
#2	-.002186	.0019777	.0003668
#3	-.002928	.0029216	.0004694

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5532.764	76578.83	7270.734	5382.084	6417.719
Stddev	26.320	619.75	28.972	28.313	38.655
%RSD	.4757027	.8092961	.3984794	.5260651	.6023243

#1	5558.840	75911.72	7281.773	5356.530	6452.183
#2	5533.245	76688.08	7237.865	5377.201	6425.050
#3	5506.208	77136.69	7292.564	5412.521	6375.922

Sample Name: ICSABDLX20 Acquired: 7/1/2025 14:04:49 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01DLX20 Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064569	.0066481	.0016547	.0051488	.0296789	11.65669	.0218349
Stddev	.0018421	.0002951	.0012373	.0027142	.0009722	.01299	.0009892
%RSD	28.52990	4.438217	74.77636	52.71572	3.275595	.1114324	4.530484

#1	.0051860	.0063099	.0015113	.0066476	.0297338	11.65215	.0222305
#2	.0085695	.0067810	.0029575	.0020156	.0306225	11.67134	.0225651
#3	.0056151	.0068533	.0004953	.0067831	.0286805	11.64659	.0207091

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0250121	.0494443	11.52632	.0277738	.0248982	.0254822	4.669512
Stddev	.0002803	.0001130	.03517	.0002777	.0003069	.0001073	.048619
%RSD	1.120820	.2284684	.3051591	.9996727	1.232550	.4211303	1.041197

#1	.0253326	.0494181	11.50756	.0278255	.0247456	.0254538	4.625082
#2	.0248127	.0493467	11.56690	.0280220	.0252515	.0253919	4.721447
#3	.0248910	.0495680	11.50450	.0274740	.0246976	.0256009	4.662006

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0246729	11.94011	.0499272	.0107898	.0100095	.0233174	.0515215
Stddev	.0004265	.06672	.0001464	.0002019	.0033389	.0020211	.0003151
%RSD	1.728636	.5588254	.2932603	1.871179	33.35723	8.667753	.6115419

#1	.0246156	11.91336	.0499969	.0108919	.0118625	.0240642	.0511628
#2	.0251251	12.01606	.0497589	.0109202	.0120110	.0210292	.0516481
#3	.0242779	11.89091	.0500257	.0105572	.0061550	.0248588	.0517535

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0230182	.0021640	-.000119	-.001418	.0007771	-.004074	.0050709
Stddev	.0214248	.0006954	.000072	.000185	.0009773	.010727	.0011823
%RSD	93.07781	32.13613	60.09885	13.03530	125.7671	263.3143	23.31601

#1	.0106588	.0026519	-.000040	-.001212	.0008850	-.009355	.0043355
#2	.0477574	.0024723	-.000138	-.001569	-.000250	-.011136	.0064348
#3	.0106384	.0013677	-.000179	-.001473	.001696	.008270	.0044425

Sample Name: ICSABDLX20 Acquired: 7/1/2025 14:04:49 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01DLX20 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001000	.0015237	.0002574
Stddev	.004277	.0006582	.0000760
%RSD	427.8169	43.19559	29.54164

#1	.003140	.0019729	.0003073
#2	-.000737	.0007682	.0002951
#3	-.005402	.0018299	.0001699

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5483.324	77520.73	7494.839	5417.140	6355.157
Stddev	28.102	795.35	95.885	41.178	38.443
%RSD	.5124943	1.025984	1.279341	.7601335	.6049069

#1	5509.816	76929.57	7389.696	5381.158	6394.761
#2	5486.305	77207.64	7517.369	5408.215	6352.718
#3	5453.850	78424.98	7577.452	5462.049	6317.992

Sample Name: CCV01 Acquired: 7/1/2025 14:09:01 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.003254	5.048695	4.980036	5.020368	4.986520	9.764187	9.925682
Stddev	.020205	.070121	.016118	.025621	.020997	.084250	.216778
%RSD	.4038432	1.388888	.3236536	.5103357	.4210830	.8628468	2.184011
#1	5.003631	5.126988	4.965250	5.034798	4.987342	9.829857	10.07912
#2	4.982863	4.991672	4.977640	4.990786	4.965123	9.669194	9.67769
#3	5.023269	5.027424	4.997218	5.035519	5.007094	9.793511	10.02023
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2435697	2.495850	24.33442	1.009113	2.483063	1.249802	5.180168
Stddev	.0042452	.008531	.13101	.003394	.006337	.004778	.072393
%RSD	1.742914	.3418052	.5383757	.3363064	.2551927	.3823121	1.397493
#1	.2432515	2.487617	24.46794	1.012190	2.478114	1.247113	5.218660
#2	.2394926	2.495281	24.20607	1.009676	2.480869	1.246975	5.225184
#3	.2479651	2.504651	24.32924	1.005473	2.490205	1.255319	5.096662
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.453358	24.22346	2.482692	1.270675	26.06042	2.442560	2.553222
Stddev	.017391	.17262	.007032	.002836	.40257	.007583	.004840
%RSD	.7088499	.7125946	.2832463	.2232087	1.544753	.3104411	.1895691
#1	2.468670	24.32939	2.475660	1.273296	26.24016	2.444506	2.553053
#2	2.434451	24.02427	2.482691	1.267664	26.34180	2.434194	2.558144
#3	2.456952	24.31671	2.489725	1.271065	25.59929	2.448980	2.548468
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.88951	4.829091	4.981201	5.001383	4.862110	5.122053	5.029971
Stddev	.40017	.085093	.013370	.011284	.021537	.056959	.014759
%RSD	1.545687	1.762088	.2684188	.2256168	.4429482	1.112037	.2934144
#1	25.96152	4.817946	4.987758	4.993001	4.883255	5.136725	5.023951
#2	26.24878	4.750120	4.965818	4.996936	4.840202	5.170240	5.019175
#3	25.45822	4.919207	4.990027	5.014213	4.862873	5.059193	5.046789

Sample Name: CCV01 Acquired: 7/1/2025 14:09:01 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.956448	4.838768	5.030448
Stddev	.032937	.009305	.046821
%RSD	.6645291	.1922968	.9307580

#1	4.955888	4.849227	5.071358
#2	4.923794	4.831408	4.979383
#3	4.989661	4.835668	5.040604

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5324.605	70514.39	7187.242	5040.257	5927.609
Stddev	.864	440.55	96.833	11.251	7.225
%RSD	.0162317	.6247696	1.347294	.2232243	.1218840

#1	5323.616	70153.56	7169.162	5043.291	5934.643
#2	5325.215	70384.27	7291.841	5027.800	5920.207
#3	5324.985	71005.35	7100.724	5049.680	5927.976

Sample Name: CCB01 Acquired: 7/1/2025 14:23:44 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015992	.0013633	-.000207	-.001022	-.002643	-.002674	-.006306
Stddev	.0012171	.0013705	.000189	.003355	.001013	.002072	.001440
%RSD	76.10747	100.5253	91.65248	328.1490	38.30940	77.45593	22.83267

#1	.0006995	.0021394	-.000422	-.004392	-.003794	-.002905	-.005666
#2	.0029840	.0021697	-.000068	.002318	-.001888	-.000497	-.007955
#3	.0011140	-.000219	-.000129	-.000994	-.002248	-.004621	-.005298

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000130	.0000244	.0658712	.0000335	.0000778	-.000194	.0012657
Stddev	.0000762	.0000737	.0049100	.0001974	.0002046	.000422	.0043227
%RSD	587.2395	301.8689	7.453992	589.9628	263.2043	217.5122	341.5249

#1	.0000845	-.000036	.0633483	-.000106	-.000068	-.000181	.0022114
#2	-.000067	.000106	.0715298	.000259	.000312	-.000622	-.003452
#3	.000022	.000003	.0627356	-.000053	-.000010	.000221	.005037

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000150	-.010476	.0001730	-.000244	.1967742	.0009916	.0004567
Stddev	.000252	.016722	.0000942	.000061	.0038184	.0018211	.0002314
%RSD	167.6583	159.6237	54.42452	24.78042	1.940484	183.6426	50.67912

#1	-.000351	.002432	.0002144	-.000252	.1924250	-.000534	.0003132
#2	-.000232	-.004494	.0002394	-.000301	.1995763	.000501	.0003332
#3	.000132	-.029367	.0000653	-.000180	.1983211	.003008	.0007237

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0158216	.0000367	.0000189	.0012014	.0011857	.0016381	.0049378
Stddev	.0394480	.0002559	.0002428	.0002990	.0011196	.0267947	.0011526
%RSD	249.3300	697.6776	1287.518	24.88369	94.42337	1635.729	23.34261

#1	.0470156	-.000148	.0001173	.0008603	.0003211	.0230319	.0036101
#2	.0289709	.000329	.0001970	.0014180	.0024504	-.028416	.0056820
#3	-.028522	-.000071	-.000258	.0013259	.0007857	.010298	.0055212

Sample Name: CCB01 Acquired: 7/1/2025 14:23:44 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.003050	.0037831	-.000005
Stddev	.003065	.0039022	.000035
%RSD	100.4796	103.1480	714.6277

#1	-.001228	.0060656	.000032
#2	-.001334	.0060063	-.000038
#3	-.006589	-.000723	-.000009

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5528.944	80227.38	7836.452	5530.403	6545.551
Stddev	9.498	182.75	48.135	20.085	15.452
%RSD	.1717808	.2277912	.6142456	.3631812	.2360706

#1	5539.084	80438.04	7792.249	5540.938	6548.691
#2	5520.257	80132.87	7887.735	5543.029	6528.770
#3	5527.491	80111.24	7829.371	5507.242	6559.192

Sample Name: Q2415-04 Acquired: 7/1/2025 14:38:26 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:3
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002412	-.001859	.0010328	.0024029	-.000665	.0727131	.2967410
Stddev	.000446	.000487	.0007241	.0026580	.001870	.0050666	.0019331
%RSD	18.47725	26.19708	70.10970	110.6156	281.3449	6.968003	.6514582

#1	-.002624	-.001614	.0013208	.0034923	-.002820	.0699028	.2950726
#2	-.001900	-.001542	.0002090	-.000627	.000523	.0696743	.2988595
#3	-.002712	-.002419	.0015685	.004343	.000303	.0785620	.2962909

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000067	.0001484	27.96071	.0119160	.0003566	.0102046	.3793547
Stddev	.000052	.0000570	.16743	.0003169	.0002548	.0001105	.0014702
%RSD	77.03609	38.39520	.5988204	2.659467	71.46250	1.082359	.3875439

#1	-.000027	.0000827	27.76804	.0121181	.0001943	.0102449	.3777116
#2	-.000126	.0001846	28.07094	.0120793	.0002251	.0100796	.3805457
#3	-.000049	.0001777	28.04314	.0115508	.0006503	.0102892	.3798067

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3281593	3.471596	.0044031	-.000423	408.5955	.0003238	.0791374
Stddev	.0010204	.047020	.0002305	.000134	5.4465	.0014321	.0001667
%RSD	.3109459	1.354419	5.234663	31.75891	1.332978	442.3362	.2106293

#1	.3271675	3.417932	.0044930	-.000268	409.7856	.0017564	.0789962
#2	.3292060	3.491287	.0041412	-.000507	413.3485	-.001108	.0790949
#3	.3281045	3.505569	.0045752	-.000494	402.6523	.000323	.0793213

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.493718	.0471696	.0084759	-.008211	.0003830	1.546731	.0159388
Stddev	.039117	.0012816	.0001191	.000433	.0007354	.021257	.0006133
%RSD	2.618770	2.717041	1.405602	5.274438	191.9926	1.374303	3.847778

#1	1.449278	.0457215	.0084966	-.008371	.0006572	1.566500	.0152369
#2	1.508942	.0476297	.0085833	-.008541	.0009419	1.524248	.0162085
#3	1.522935	.0481577	.0083477	-.007720	-.000450	1.549446	.0163710

Sample Name: Q2415-04 Acquired: 7/1/2025 14:38:26 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7221392	-.002260	.1314684
Stddev	.0054062	.000265	.0001245
%RSD	.7486308	11.73013	.0947103

#1	.7170454	-.002232	.1314001
#2	.7215609	-.002537	.1316122
#3	.7278113	-.002009	.1313930

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5303.018	72601.26	7993.846	5092.181	5864.640
Stddev	11.837	559.56	31.796	16.530	19.169
%RSD	.2232162	.7707258	.3977609	.3246195	.3268610

#1	5295.590	71975.82	8024.935	5073.362	5852.926
#2	5316.669	72773.54	7961.387	5104.353	5886.762
#3	5296.796	73054.42	7995.217	5098.829	5854.232

Sample Name: Q2414-04 Acquired: 7/1/2025 14:42:51 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000912	-.000890	.0427432	.0041512	.0001129	.1680331	.1773971
Stddev	.001649	.001017	.0009401	.0018456	.0016879	.0006745	.0034415
%RSD	180.8527	114.2573	2.199509	44.46064	1494.723	.4014286	1.939997

#1	-.002192	-.000446	.0435230	.0024120	-.001520	.1679008	.1810453
#2	.000949	-.002053	.0430073	.0060875	.000008	.1674345	.1769374
#3	-.001492	-.000170	.0416993	.0039540	.001851	.1687640	.1742085

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000016	.0001595	8.403187	.0008344	-.000021	.0027634	.1228773
Stddev	.000034	.0000435	.034324	.0001129	.000338	.0000593	.0042312
%RSD	211.5038	27.29019	.4084608	13.52980	1573.205	2.145318	3.443447

#1	-.000037	.0001537	8.442819	.0008828	-.000024	.0028102	.1277177
#2	-.000034	.0001191	8.383105	.0009151	.000317	.0027833	.1210323
#3	.000023	.0002056	8.383637	.0007054	-.000358	.0026967	.1198819

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0857755	.5028947	.0016821	-.000036	326.9044	.0007945	.0641880
Stddev	.0010160	.0027066	.0002869	.000569	5.8187	.0014811	.0004114
%RSD	1.184437	.5382054	17.05373	1589.387	1.779949	186.4231	.6408688

#1	.0869360	.5040472	.0019590	-.000405	322.7003	.0019398	.0638026
#2	.0853440	.4998026	.0017012	-.000322	324.4674	-.000878	.0641402
#3	.0850466	.5048343	.0013862	.000619	333.5454	.001322	.0646211

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8038244	.0142594	.0000745	-.003119	.0017969	.7662765	.0128551
Stddev	.0353716	.0011218	.0000622	.000458	.0009399	.0160255	.0016010
%RSD	4.400408	7.866983	83.43604	14.68339	52.30758	2.091347	12.45399

#1	.7899475	.0139994	.0001314	-.002606	.0011499	.7565283	.0139940
#2	.7774954	.0154884	.0000840	-.003486	.0028751	.7575290	.0110246
#3	.8440302	.0132905	.0000081	-.003266	.0013658	.7847721	.0135467

Sample Name: Q2414-04 Acquired: 7/1/2025 14:42:51 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6169500	-.001399	.0606527
Stddev	.0077529	.000401	.0001096
%RSD	1.256650	28.66116	.1807583

#1	.6257756	-.001525	.0607791
#2	.6112377	-.001721	.0605841
#3	.6138366	-.000950	.0605948

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5373.496	75148.58	8055.984	5183.421	5991.051
Stddev	29.589	744.92	165.917	40.046	49.540
%RSD	.5506403	.9912630	2.059544	.7725728	.8269054

#1	5339.367	75272.44	7873.604	5202.786	5938.700
#2	5389.190	75823.82	8096.367	5210.102	5997.255
#3	5391.931	74349.50	8197.981	5137.373	6037.197

Sample Name: Q2416-04 Acquired: 7/1/2025 15:02:57 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002397	-.003296	-.000683	.0059716	-.001263	.0505371	.2860583
Stddev	.000404	.001591	.001706	.0046819	.002659	.0020487	.0010345
%RSD	16.84441	48.28231	249.7668	78.40372	210.4934	4.053942	.3616383

#1	-.002396	-.005117	.000438	.0012152	.000581	.0496333	.2850895
#2	-.002801	-.002173	-.002647	.0061241	-.000059	.0528824	.2859374
#3	-.001994	-.002598	.000159	.0105754	-.004312	.0490957	.2871479

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001241	.0000915	8.748895	.0002850	-.000056	.0102495	.0117640
Stddev	.0000285	.0000655	.035270	.0001805	.000124	.0001994	.0010545
%RSD	22.94283	71.50131	.4031315	63.31439	222.1858	1.945544	8.963873

#1	.0001413	.0000193	8.715479	.0004053	.000040	.0103322	.0129200
#2	.0001399	.0001468	8.785764	.0003723	-.000197	.0103942	.0108548
#3	.0000912	.0001086	8.745441	.0000775	-.000012	.0100220	.0115172

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0624809	2.926716	.0019265	-.000526	306.4224	.0001215	.0858789
Stddev	.0002165	.010032	.0001034	.000475	1.9238	.0011732	.0005079
%RSD	.3464629	.3427771	5.366382	90.28719	.6278220	965.4296	.5913589

#1	.0626272	2.937528	.0019301	-.000654	308.4723	-.001232	.0861252
#2	.0625832	2.924909	.0020281	-.000000	304.6563	.000756	.0862167
#3	.0622322	2.917710	.0018214	-.000924	306.1386	.000840	.0852949

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.310172	.0346069	.0051600	-.007700	.0014026	.7200838	.0369548
Stddev	.029407	.0008460	.0002972	.000358	.0005999	.0060185	.0015041
%RSD	2.244534	2.444717	5.758958	4.649695	42.76847	.8358085	4.070227

#1	1.281198	.0349698	.0048255	-.007827	.0018778	.7209279	.0385564
#2	1.339994	.0352110	.0052611	-.007977	.0016015	.7136878	.0367358
#3	1.309326	.0336400	.0053934	-.007295	.0007286	.7256357	.0355721

Sample Name: Q2416-04 Acquired: 7/1/2025 15:02:57 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4736031	.0015182	.0422472
Stddev	.0020589	.0019045	.0001604
%RSD	.4347359	125.4461	.3797278

#1	.4758857	.0028632	.0420930
#2	.4718861	.0023526	.0424132
#3	.4730375	-.000661	.0422355

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5297.322	75340.56	8182.252	5217.077	5895.249
Stddev	5.356	133.94	55.816	4.862	17.178
%RSD	.1011005	.1777780	.6821646	.0931850	.2913903

#1	5292.154	75454.77	8163.510	5215.762	5880.548
#2	5296.964	75373.75	8138.218	5213.009	5891.067
#3	5302.847	75193.14	8245.027	5222.461	5914.132

Sample Name: Q2420-02 Acquired: 7/1/2025 15:07:21 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001704	-.004510	.0001231	.0028338	-.000505	.0321331	.3300049
Stddev	.001348	.000966	.0005454	.0013290	.001416	.0081229	.0011401
%RSD	79.07546	21.42410	443.1165	46.89844	280.3689	25.27888	.3454740

#1	-.003260	-.004536	.0000930	.0013650	.000505	.0319767	.3300376
#2	-.000947	-.003531	-.000407	.0031833	.000103	.0240895	.3311282
#3	-.000905	-.005464	.000683	.0039532	-.002123	.0403330	.3288487

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000143	.0012666	137.9773	.0026294	.0008257	.0163588	.0047028
Stddev	.000030	.0000528	.2140	.0000523	.0000465	.0002118	.0014289
%RSD	21.26985	4.169922	.1551101	1.990491	5.626137	1.294525	30.38398

#1	-.000110	.0013265	138.1867	.0025887	.0008235	.0163717	.0031014
#2	-.000148	.0012267	137.9862	.0026109	.0007805	.0161408	.0058475
#3	-.000170	.0012465	137.7590	.0026884	.0008733	.0165638	.0051594

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.678637	3.213364	.0076887	-.000209	359.5938	.0020100	.1879315
Stddev	.005200	.029805	.0002610	.000226	1.3936	.0009964	.0002270
%RSD	.1941162	.9275184	3.395197	107.9695	.3875406	49.57021	.1208114

#1	2.684588	3.218833	.0074715	-.000404	360.3021	.0011886	.1878526
#2	2.674972	3.240056	.0076162	.000038	357.9883	.0017231	.1881875
#3	2.676351	3.181204	.0079783	-.000262	360.4909	.0031184	.1877544

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.793011	.0428429	.0014307	-.008493	-.003084	4.259606	.0184816
Stddev	.049837	.0014859	.0001981	.000254	.000510	.007812	.0024445
%RSD	1.784356	3.468234	13.84790	2.995380	16.53376	.1834060	13.22683

#1	2.752321	.0445370	.0013242	-.008617	-.003019	4.251059	.0194615
#2	2.778114	.0422313	.0013087	-.008200	-.003623	4.261382	.0202842
#3	2.848598	.0417605	.0016593	-.008661	-.002610	4.266378	.0156992

Sample Name: Q2420-02 Acquired: 7/1/2025 15:07:21 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.535499	-.014003	.3363644
Stddev	.018373	.002349	.0007065
%RSD	.7246160	16.77649	.2100297

#1	2.551286	-.014799	.3371121
#2	2.539879	-.011360	.3362730
#3	2.515332	-.015851	.3357080

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5160.698	75654.27	8426.353	5096.587	5694.176
Stddev	14.408	348.46	48.461	10.874	16.406
%RSD	.2791963	.4605978	.5751148	.2133670	.2881205

#1	5147.162	75266.01	8372.756	5103.845	5686.828
#2	5159.089	75939.86	8439.224	5101.832	5712.972
#3	5175.844	75756.95	8467.080	5084.084	5682.729

Sample Name: Q2429-04 Acquired: 7/1/2025 15:11:42 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000284	-.002567	.0001009	.0011380	-.000271	.1245842	.5585793
Stddev	.001748	.001517	.0006195	.0051554	.002420	.0031207	.0032658
%RSD	615.2902	59.09828	613.9342	453.0181	891.7690	2.504936	.5846581

#1	-.000646	-.001258	-.000595	.0050128	.001234	.1210891	.5619307
#2	-.001824	-.004229	.000593	-.004713	.001015	.1270915	.5554065
#3	.001617	-.002213	.000305	.003114	-.003063	.1255720	.5584006

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000064	-.000056	135.8751	.0006179	.0029173	.0005438	5.706079
Stddev	.000048	.000086	.6274	.0000380	.0000613	.0002169	.049076
%RSD	74.63513	152.6119	.4617375	6.144513	2.101918	39.87889	.8600671

#1	-.000117	-.000096	136.5072	.0006241	.0029001	.0007921	5.656910
#2	-.000024	-.000115	135.2526	.0005772	.0028665	.0004474	5.706265
#3	-.000052	.000042	135.8654	.0006524	.0029854	.0003919	5.755061

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.352244	2.970257	.0046294	-.000467	346.5214	.0014582	.0903170
Stddev	.009268	.034863	.0001672	.000319	7.1445	.0015753	.0002527
%RSD	.2764744	1.173726	3.611621	68.24906	2.061787	108.0315	.2797628

#1	3.358884	3.003137	.0047880	-.000393	339.6219	.0030517	.0902427
#2	3.356192	2.933703	.0046454	-.000817	353.8880	.0014211	.0901098
#3	3.341655	2.973931	.0044548	-.000192	346.0542	-.000098	.0905985

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.600450	.0315003	.0004357	-.008308	.0013836	1.079240	.0138573
Stddev	.082549	.0007077	.0001526	.000460	.0012220	.016660	.0020828
%RSD	2.292744	2.246610	35.01735	5.542257	88.32032	1.543705	15.03006

#1	3.505175	.0323145	.0003575	-.008652	.0008334	1.060197	.0137528
#2	3.650607	.0311538	.0006115	-.008487	.0005334	1.086401	.0159903
#3	3.645568	.0310326	.0003380	-.007785	.0027840	1.091123	.0118287

Sample Name: Q2429-04 Acquired: 7/1/2025 15:11:42 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6291760	-.012128	.3166362
Stddev	.0033529	.001396	.0016282
%RSD	.5328974	11.51348	.5142122

#1	.6312330	-.013517	.3165909
#2	.6253071	-.010725	.3182865
#3	.6309880	-.012142	.3150311

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5235.407	73805.79	7923.209	5107.363	5745.972
Stddev	8.869	267.83	103.398	8.419	14.910
%RSD	.1693962	.3628801	1.305004	.1648439	.2594820

#1	5225.168	73805.14	7812.537	5113.396	5728.932
#2	5240.397	74073.95	8017.340	5110.948	5752.368
#3	5240.657	73538.29	7939.750	5097.744	5756.617

Sample Name: Q2430-04 Acquired: 7/1/2025 15:16:05 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002170	-.002837	-.001208	.0026254	-.001535	.1334367	.1768262
Stddev	.000386	.001218	.001029	.0015661	.000372	.0095910	.0016973
%RSD	17.76868	42.92751	85.17771	59.65131	24.20525	7.187647	.9598843

#1	-.001933	-.003536	-.000314	.0014350	-.001757	.1441850	.1750177
#2	-.001962	-.001431	-.002333	.0020417	-.001106	.1257510	.1783845
#3	-.002615	-.003543	-.000978	.0043995	-.001742	.1303743	.1770766

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001993	.0000995	5.714133	.0106756	-.000112	.0045664	.0570317
Stddev	.0000094	.0000274	.008361	.0000652	.000213	.0001703	.0017890
%RSD	4.726414	27.49449	.1463276	.6105053	190.5509	3.728959	3.136810

#1	.0002049	.0000872	5.719640	.0106136	.000046	.0045519	.0549702
#2	.0002046	.0001308	5.718248	.0106696	-.000354	.0044038	.0579479
#3	.0001885	.0000805	5.704512	.0107435	-.000028	.0047434	.0581771

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0693636	1.142748	.0081849	-.000285	286.3065	.0016697	.0415251
Stddev	.0006258	.022200	.0001112	.000357	4.8091	.0018279	.0000632
%RSD	.9021641	1.942645	1.358694	125.2358	1.679714	109.4748	.1521800

#1	.0700843	1.168334	.0081407	-.000283	280.8987	.0013543	.0414759
#2	.0689577	1.131308	.0081026	-.000644	290.1033	.0000200	.0415030
#3	.0690489	1.128602	.0083114	.000071	287.9174	.0036347	.0415963

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.091525	.0153920	.0001316	-.006804	.0008640	.3577462	.0125461
Stddev	.022042	.0005837	.0001975	.000435	.0011944	.0087387	.0021950
%RSD	2.019347	3.792368	150.0958	6.395761	138.2491	2.442695	17.49559

#1	1.068485	.0148992	-.000078	-.006385	-.000273	.3598652	.0100775
#2	1.112410	.0160367	.000158	-.007254	.002108	.3652305	.0142782
#3	1.093681	.0152402	.000315	-.006774	.000757	.3481429	.0132824

Sample Name: Q2430-04 Acquired: 7/1/2025 15:16:05 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4151412	-.000122	.0405980
Stddev	.0044513	.000757	.0000382
%RSD	1.072243	619.8238	.0940670

#1	.4126949	.000450	.0405782
#2	.4202792	.000164	.0406421
#3	.4124495	-.000980	.0405738

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5370.950	77275.34	8460.013	5350.682	5947.600
Stddev	10.720	653.23	26.534	14.200	32.293
%RSD	.1995964	.8453247	.3136439	.2653926	.5429598

#1	5358.826	78017.15	8489.475	5365.191	5912.674
#2	5374.848	77022.69	8452.564	5350.042	5953.750
#3	5379.175	76786.16	8437.999	5336.812	5976.376

Sample Name: Q2430-04DUP Acquired: 7/1/2025 15:20:31 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001707	-.001438	-.000434	.0058731	-.002896	.1431215	.1836391
Stddev	.001077	.002229	.000298	.0044121	.002030	.0048256	.0019114
%RSD	63.07236	154.9468	68.60166	75.12477	70.10978	3.371663	1.040853

#1	-.000975	-.001960	-.000777	.0059916	-.000668	.1485610	.1817316
#2	-.001203	-.003360	-.000261	.0014029	-.003379	.1393552	.1836313
#3	-.002943	.001005	-.000262	.0102247	-.004641	.1414483	.1855545

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001991	.0000916	5.908805	.0001094	-.000327	.0047630	.0034811
Stddev	.0000260	.0000538	.017702	.0001650	.000249	.0002741	.0017880
%RSD	13.05968	58.68543	.2995891	150.7638	76.14790	5.755000	51.36213

#1	.0002181	.0001395	5.888379	.0000942	-.000473	.0047007	.0018013
#2	.0002097	.0000335	5.919687	-.000047	-.000039	.0050629	.0053605
#3	.0001694	.0001019	5.918349	.000281	-.000469	.0045254	.0032815

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0703830	1.198042	.0027907	-.000081	301.3549	-.000132	.0437434
Stddev	.0003401	.002391	.0001429	.000207	5.8301	.001313	.0004166
%RSD	.4831582	.1995678	5.121673	255.7751	1.934616	992.1602	.9524208

#1	.0703721	1.197090	.0027435	.000141	306.8042	.000278	.0432735
#2	.0707284	1.200762	.0029512	-.000269	302.0536	-.001601	.0438893
#3	.0700486	1.196273	.0026773	-.000115	295.2070	.000926	.0440675

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.147256	.0160638	-.000229	-.007251	.0009225	.3788197	.0136648
Stddev	.036349	.0001264	.000262	.000643	.0004076	.0029794	.0024620
%RSD	3.168340	.7870018	114.4464	8.866374	44.19115	.7864830	18.01730

#1	1.108775	.0160039	-.000412	-.007757	.0005214	.3762602	.0141616
#2	1.151983	.0162091	-.000345	-.007469	.0013364	.3820902	.0109923
#3	1.181011	.0159786	.000071	-.006528	.0009096	.3781086	.0158406

Sample Name: Q2430-04DUP Acquired: 7/1/2025 15:20:31 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4323519	.0000067	.0424683
Stddev	.0014995	.0003670	.0001326
%RSD	.3468271	5454.194	.3122210

#1	.4325253	-.000340	.0425136
#2	.4337572	.000391	.0425724
#3	.4307733	-.000032	.0423190

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5337.171	77032.73	8647.050	5306.233	5895.490
Stddev	20.295	357.34	142.971	6.211	15.477
%RSD	.3802639	.4638868	1.653408	.1170512	.2625145

#1	5360.107	77432.19	8812.100	5313.033	5913.234
#2	5329.872	76922.53	8567.623	5304.805	5884.773
#3	5321.535	76743.46	8561.428	5300.860	5888.464

Sample Name: Q2430-04LX5 Acquired: 7/1/2025 15:24:58 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000409	-.000219	-.000146	.0034062	-.000886	.0246408	.0324882
Stddev	.000988	.000703	.000448	.0028973	.000758	.0053572	.0011966
%RSD	241.7336	321.2499	307.8671	85.06106	85.51325	21.74126	3.683114

#1	-.000242	-.000632	.000323	.0014510	-.000023	.0281513	.0315308
#2	.000486	-.000618	-.000571	.0067348	-.001192	.0184745	.0321041
#3	-.001470	.000593	-.000189	.0020327	-.001444	.0272965	.0338297

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000170	.0001084	1.242707	.0021346	-.000084	.0006380	.0037477
Stddev	.0000251	.0000677	.020873	.0002109	.000181	.0001954	.0029038
%RSD	147.4541	62.44714	1.679639	9.881053	215.2686	30.61943	77.48274

#1	.0000419	.0000317	1.264583	.0019368	-.000138	.0004339	.0006332
#2	-.000008	.0001336	1.223008	.0023566	-.000232	.0006568	.0063807
#3	.000017	.0001599	1.240529	.0021103	.000118	.0008233	.0042292

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0148038	.2402773	.0014261	-.000098	55.39819	.0008060	.0088270
Stddev	.0004189	.0226881	.0002132	.000383	.93820	.0004087	.0003028
%RSD	2.829860	9.442464	14.95351	391.3065	1.693550	50.70543	3.429817

#1	.0152602	.2146280	.0012301	-.000044	56.36461	.0005222	.0088385
#2	.0144368	.2484831	.0013950	-.000505	55.33893	.0006213	.0085186
#3	.0147143	.2577208	.0016531	.000255	54.49103	.0012744	.0091238

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3660475	.0013686	-.000289	-.002190	.0021648	.0678986	.0051919
Stddev	.0097050	.0006747	.000059	.000280	.0003837	.0069776	.0009526
%RSD	2.651292	49.29630	20.52541	12.79687	17.72634	10.27653	18.34844

#1	.3735704	.0006689	-.000288	-.002142	.0026036	.0656517	.0058421
#2	.3550929	.0014219	-.000350	-.002491	.0018920	.0757228	.0056353
#3	.3694793	.0020151	-.000231	-.001937	.0019990	.0623212	.0040984

Sample Name: Q2430-04LX5 Acquired: 7/1/2025 15:24:58 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0804222	.0036609	.0083879
Stddev	.0003562	.0017675	.0001579
%RSD	.4429444	48.28089	1.881996

#1	.0804582	.0045551	.0085682
#2	.0800493	.0048026	.0083206
#3	.0807590	.0016250	.0082748

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5617.541	78734.78	8006.709	5464.766	6407.392
Stddev	36.633	243.17	76.217	8.865	37.573
%RSD	.6521225	.3088451	.9519145	.1622195	.5864074

#1	5625.971	78638.96	8045.870	5472.679	6405.440
#2	5649.224	78554.12	8055.383	5466.433	6445.904
#3	5577.427	79011.26	7918.872	5455.186	6370.833

Sample Name: Q2430-04MS Acquired: 7/1/2025 15:29:17 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7235898	1.691727	.8506351	1.823299	.8031555	1.827115	.3640855
Stddev	.0002789	.020166	.0036959	.004689	.0021830	.007043	.0007644
%RSD	.0385454	1.192018	.4344815	.2571940	.2718066	.3854617	.2099363

#1	.7233230	1.672251	.8473539	1.826482	.8033402	1.830005	.3643158
#2	.7238795	1.690412	.8499125	1.825502	.8052403	1.832254	.3647083
#3	.7235670	1.712518	.8546389	1.817914	.8008860	1.819088	.3632325

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1642775	.1774387	7.068588	.3560739	.1799877	.2687333	2.770075
Stddev	.0022532	.0004105	.008940	.0005125	.0003319	.0002645	.034853
%RSD	1.371585	.2313650	.1264768	.1439154	.1844027	.0984394	1.258208

#1	.1624979	.1771839	7.078703	.3566609	.1803656	.2688159	2.806842
#2	.1668110	.1772200	7.065316	.3558456	.1797431	.2684374	2.737517
#3	.1635237	.1779123	7.061744	.3557154	.1798545	.2689468	2.765867

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2445552	2.929551	.4513910	.0643748	299.3782	.2581336	.2357359
Stddev	.0012812	.013663	.0007779	.0002845	4.1930	.0024474	.0006210
%RSD	.5238772	.4663778	.1723359	.4419969	1.400583	.9481118	.2634149

#1	.2433681	2.941394	.4512104	.0643318	304.1077	.2554845	.2353408
#2	.2443844	2.932656	.4507192	.0646784	297.9112	.2603105	.2364517
#3	.2459133	2.914603	.4522433	.0641143	296.1158	.2586058	.2354154

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.11774	.2489953	.4130922	.6950033	.1894984	1.250941	5.444243
Stddev	.17173	.0032478	.0006725	.0008885	.0010181	.024860	.024688
%RSD	1.697312	1.304370	.1627856	.1278375	.5372618	1.987283	.4534760

#1	10.28797	.2460969	.4123176	.6951569	.1906663	1.266740	5.417218
#2	9.94454	.2525055	.4135260	.6940480	.1887984	1.222286	5.449894
#3	10.12069	.2483835	.4134331	.6958050	.1890304	1.263799	5.465615

Sample Name: Q2430-04MS Acquired: 7/1/2025 15:29:17 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4243456	.1743732	.2145946
Stddev	.0004033	.0015824	.0002387
%RSD	.0950450	.9074861	.1112431

#1	.4243161	.1725971	.2143362
#2	.4247629	.1756327	.2148070
#3	.4239578	.1748899	.2146405

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5483.513	75732.85	7773.104	5314.780	6041.294
Stddev	7.297	743.96	71.465	37.071	9.504
%RSD	.1330702	.9823503	.9193867	.6975075	.1573211

#1	5491.382	74882.17	7797.562	5274.605	6047.564
#2	5482.189	76054.57	7692.621	5322.072	6045.960
#3	5476.969	76261.81	7829.128	5347.664	6030.359

Sample Name: Q2430-04MSD Acquired: 7/1/2025 15:33:25 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7201151	1.680449	.8467170	1.807760	.7770548	1.809810	.3253091
Stddev	.0026017	.018404	.0036413	.009693	.0009937	.004700	.0008295
%RSD	.3612901	1.095201	.4300534	.5362056	.1278845	.2596988	.2549890

#1	.7178785	1.680744	.8495333	1.797454	.7777475	1.805946	.3248684
#2	.7194964	1.698703	.8426050	1.816694	.7775007	1.808441	.3247930
#3	.7229704	1.661898	.8480125	1.809133	.7759162	1.815043	.3262659

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1647891	.1758463	5.916070	.3726355	.1792663	.2675738	2.794549
Stddev	.0004179	.0005507	.026658	.0019096	.0005699	.0003985	.010182
%RSD	.2535759	.3131534	.4506004	.5124547	.3179008	.1489318	.3643502

#1	.1643597	.1762360	5.886037	.3733654	.1793841	.2677684	2.806116
#2	.1648131	.1752163	5.925244	.3704686	.1786467	.2671154	2.790592
#3	.1651944	.1760865	5.936929	.3740725	.1797680	.2678376	2.786940

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2318615	2.679357	.4524528	.0641203	240.3622	.2577143	.2258509
Stddev	.0009614	.026730	.0010952	.0001200	2.3101	.0017355	.0011049
%RSD	.4146577	.9976269	.2420517	.1871109	.9610892	.6734063	.4892220

#1	.2318805	2.709530	.4529041	.0642265	241.0738	.2597118	.2259036
#2	.2328133	2.669901	.4512041	.0639902	242.2328	.2568556	.2247206
#3	.2308907	2.658641	.4532502	.0641442	237.7801	.2565756	.2269285

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.929028	.2493289	.4060784	.6740742	.1846010	1.159621	5.328228
Stddev	.044472	.0010286	.0004913	.0045557	.0013761	.010853	.010406
%RSD	.4478946	.4125604	.1209922	.6758536	.7454237	.9358691	.1953034

#1	9.945797	.2504189	.4055164	.6750140	.1837021	1.163287	5.337790
#2	9.878610	.2483753	.4064267	.6691218	.1839157	1.147410	5.329749
#3	9.962677	.2491924	.4062922	.6780867	.1861851	1.168166	5.317145

Sample Name: Q2430-04MSD Acquired: 7/1/2025 15:33:25 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3321082	.1725771	.2070773
Stddev	.0018472	.0013322	.0006493
%RSD	.5562039	.7719639	.3135431

#1	.3317695	.1731046	.2063864
#2	.3341014	.1710619	.2076749
#3	.3304539	.1735648	.2071706

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5571.224	75699.97	7748.913	5318.210	6188.286
Stddev	7.484	129.22	28.830	13.697	21.394
%RSD	.1343360	.1706975	.3720513	.2575416	.3457155

#1	5572.966	75618.30	7772.832	5302.582	6174.713
#2	5577.684	75848.95	7716.901	5328.125	6212.948
#3	5563.023	75632.66	7757.005	5323.924	6177.196

Sample Name: CCV02 Acquired: 7/1/2025 15:42:48 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.907098	4.659855	4.779869	4.945871	4.902518	9.377097	9.330778
Stddev	.013051	.036400	.013084	.012845	.009950	.005308	.112977
%RSD	.2659714	.7811429	.2737392	.2597209	.2029499	.0566082	1.210804

#1	4.898751	4.632416	4.773437	4.936420	4.897034	9.371330	9.312816
#2	4.900405	4.646001	4.771244	4.940696	4.896517	9.378185	9.227858
#3	4.922138	4.701148	4.794924	4.960497	4.914003	9.381778	9.451661

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2297081	2.401391	23.18062	.9599736	2.394978	1.218443	4.956339
Stddev	.0027185	.004056	.09395	.0012881	.003250	.002979	.047453
%RSD	1.183449	.1689009	.4053020	.1341848	.1357148	.2445132	.9574224

#1	.2325997	2.400862	23.18689	.9610736	2.395214	1.217682	4.901580
#2	.2293203	2.397625	23.27128	.9602907	2.391616	1.215917	4.985425
#3	.2272044	2.405685	23.08369	.9585565	2.398103	1.221728	4.982011

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.365355	22.94344	2.395817	1.219167	25.87798	2.343099	2.467158
Stddev	.009653	.05912	.004386	.001316	.24891	.001493	.005150
%RSD	.4081010	.2576909	.1830842	.1079350	.9618767	.0637011	.2087360

#1	2.356436	22.98425	2.392866	1.220337	25.59677	2.344236	2.472956
#2	2.375604	22.97043	2.393729	1.219421	25.96709	2.343653	2.463114
#3	2.364025	22.87564	2.400858	1.217743	26.07007	2.341409	2.465405

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.95826	4.585606	4.826821	4.793669	4.659250	4.912176	4.767437
Stddev	.21466	.049729	.015209	.013139	.006649	.063392	.008222
%RSD	.8600840	1.084468	.3150916	.2740809	.1427005	1.290501	.1724703

#1	24.71154	4.638246	4.821541	4.791453	4.654308	4.840457	4.763658
#2	25.06088	4.579155	4.814955	4.781779	4.666809	4.935358	4.761783
#3	25.10234	4.539417	4.843966	4.807774	4.656633	4.960714	4.776869

Sample Name: CCV02 Acquired: 7/1/2025 15:42:48 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: CCV02 Custom ID2: Custom ID3:
 Comment:

Reviewed By: jasw
 On: 7/2/2025 4:45:
 PM
 Inst Id : P4
 LB : LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.826921	4.682607	4.790675
Stddev	.012758	.020263	.053184
%RSD	.2643188	.4327382	1.110150

#1	4.822273	4.659220	4.851712
#2	4.817137	4.693665	4.754296
#3	4.841351	4.694935	4.766016

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5465.633	74849.08	7657.976	5281.134	6118.011
Stddev	9.329	195.36	80.920	11.422	8.219
%RSD	.1706824	.2610046	1.056679	.2162860	.1343443

#1	5460.209	74876.97	7582.769	5277.448	6109.137
#2	5476.405	74641.28	7647.560	5272.010	6125.362
#3	5460.285	75029.00	7743.601	5293.944	6119.533

Sample Name: CCB02 Acquired: 7/1/2025 15:46:59 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009506	.0015554	.0000176	.0023616	.0011731	-.006265	-.003309
Stddev	.0004677	.0010042	.0006544	.0024579	.0017207	.004938	.000951
%RSD	49.20437	64.55864	3712.998	104.0768	146.6852	78.82541	28.75307

#1	.0005486	.0019079	.0007725	.0022360	.0020985	-.011488	-.003396
#2	.0008392	.0023359	-.000332	.0048800	.0022331	-.005635	-.002317
#3	.0014640	.0004226	-.000388	-.000031	-.000812	-.001672	-.004213

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001180	-.000011	.0557075	-.000204	.0000442	-.000543	.0006320
Stddev	.0000107	.000076	.0053802	.000324	.0001270	.000184	.0017647
%RSD	9.034547	709.5696	9.657858	158.6232	287.4695	33.88041	279.2318

#1	.0001293	.000047	.0495314	-.000060	.0000219	-.000404	-.001339
#2	.0001166	-.000097	.0582143	.000023	-.000070	-.000473	.002065
#3	.0001082	.000018	.0593769	-.000575	.000181	-.000752	.001170

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002342	-.013838	-.000141	-.000063	.2877393	.0012125	.0009488
Stddev	.0000381	.012186	.000209	.000341	.0054716	.0019511	.0001742
%RSD	16.28496	88.05944	148.3930	542.3178	1.901600	160.9150	18.35716

#1	.0001973	-.007356	.000029	.000174	.2815411	.0015271	.0011240
#2	.0002317	-.006263	-.000078	-.000453	.2897771	-.000877	.0007757
#3	.0002735	-.027895	-.000375	.000091	.2918995	.002987	.0009467

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0749405	.0071175	.0005104	.0000029	.0008550	.0084357	.0008141
Stddev	.0292155	.0003825	.0003546	.0004521	.0008467	.0068884	.0018839
%RSD	38.98489	5.374289	69.48554	15470.49	99.03257	81.65773	231.4257

#1	.0935126	.0075032	.0009193	-.000326	.0017694	.0119918	.0015053
#2	.0412649	.0071112	.0002880	-.000184	.0006973	.0004960	-.001318
#3	.0900440	.0067382	.0003237	.000518	.0000982	.0128193	.002255

Sample Name: CCB02 Acquired: 7/1/2025 15:46:59 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000397	.0027040	.0000773
Stddev	.000517	.0001599	.0000537
%RSD	130.2168	5.912553	69.49776

#1	.000172	.0028876	.0000754
#2	-.000838	.0025956	.0000246
#3	-.000526	.0026288	.0001320

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5479.406	79371.73	7640.723	5557.633	6441.632
Stddev	16.250	383.87	41.202	20.513	32.612
%RSD	.2965713	.4836340	.5392388	.3691040	.5062716

#1	5498.010	79692.71	7593.282	5574.626	6475.926
#2	5472.219	79475.97	7661.349	5563.426	6437.956
#3	5467.987	78946.50	7667.539	5534.845	6411.013

Sample Name: Q2430-04A Acquired: 7/1/2025 15:55:54 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7926235	1.820953	.9375659	1.993425	.7876362	1.959845	.3637232
Stddev	.0037319	.038287	.0038000	.020459	.0091698	.012877	.0022468
%RSD	.4708234	2.102604	.4053026	1.026343	1.164221	.6570649	.6177205

#1	.7917930	1.808456	.9415240	1.980061	.7785681	1.945604	.3612086
#2	.7893769	1.790475	.9339468	1.983235	.7874361	1.963262	.3655332
#3	.7967007	1.863927	.9372270	2.016978	.7969044	1.970669	.3644279

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1722773	.1937982	6.788190	.3914772	.1969853	.2940006	3.000087
Stddev	.0015618	.0004753	.032087	.0024997	.0004463	.0012803	.030815
%RSD	.9065645	.2452390	.4726946	.6385287	.2265682	.4354677	1.027133

#1	.1738370	.1941896	6.758792	.3886220	.1971908	.2929221	2.965238
#2	.1707134	.1932693	6.822419	.3932712	.1964733	.2936641	3.023734
#3	.1722815	.1939356	6.783360	.3925385	.1972919	.2954155	3.011288

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2573634	3.029942	.4966997	.0683074	291.9035	.2787211	.2406856
Stddev	.0010987	.020375	.0006124	.0005151	2.6791	.0013765	.0001928
%RSD	.4269006	.6724556	.1233002	.7541297	.9177899	.4938658	.0800970

#1	.2560949	3.050114	.4962829	.0684299	288.8377	.2774289	.2404912
#2	.2579833	3.030342	.4964133	.0677421	293.7944	.2801687	.2406890
#3	.2580122	3.009370	.4974029	.0687503	293.0784	.2785659	.2408767

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.85171	.2676926	.4053813	.6834204	.1836858	1.212080	6.075336
Stddev	.09966	.0021643	.0021369	.0007111	.0013377	.033717	.015931
%RSD	.9183786	.8085101	.5271446	.1040562	.7282692	2.781744	.2622202

#1	10.73692	.2701855	.4041784	.6841263	.1845338	1.173413	6.085815
#2	10.91616	.2665987	.4041169	.6834307	.1843799	1.235348	6.057003
#3	10.90205	.2662936	.4078486	.6827041	.1821437	1.227478	6.083189

Sample Name: Q2430-04A Acquired: 7/1/2025 15:55:54 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3939023	.1867830	.2256805
Stddev	.0030429	.0033335	.0009934
%RSD	.7724895	1.784672	.4401978

#1	.3923283	.1902846	.2247842
#2	.3919687	.1836480	.2255086
#3	.3974097	.1864163	.2267487

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5326.623	75013.29	7761.238	5322.801	5864.289
Stddev	16.004	853.13	35.426	39.715	27.047
%RSD	.3004445	1.137306	.4564459	.7461360	.4612150

#1	5308.313	75998.32	7793.240	5368.633	5833.402
#2	5337.937	74531.24	7767.302	5301.234	5875.726
#3	5333.620	74510.29	7723.172	5298.534	5883.738

Sample Name: PB168626TB Acquired: 7/1/2025 16:00:02 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000996	-.000589	.0000971	.0050674	.0002021	.0125199	-.009165
Stddev	.001312	.002026	.0006644	.0034683	.0004953	.0069906	.002187
%RSD	131.6969	344.0686	684.1585	68.44186	245.1049	55.83614	23.86705

#1	-.002438	.000521	.0007340	.0018018	-.000245	.0166253	-.007788
#2	-.000676	-.002928	.0001491	.0087079	.000116	.0044482	-.008019
#3	.000126	.000640	-.000592	.0046927	.000735	.0164861	-.011687

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000145	.0000059	-.016230	.0002921	.0000718	-.000537	.0071015
Stddev	.000071	.0000586	.009272	.0002485	.0000721	.000219	.0042157
%RSD	49.07356	991.3366	57.13096	85.09143	100.3228	40.79538	59.36416

#1	-.000141	.0000101	-.012196	.0001266	.0000060	-.000406	.0077116
#2	-.000076	-.000055	-.009658	.0005778	.0001488	-.000414	.0026139
#3	-.000218	.000062	-.026836	.0001718	.0000606	-.000789	.0109789

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012291	.0069095	.0012010	.0000121	415.6398	.0000215	.0014269
Stddev	.0001154	.0194218	.0000728	.0002050	4.7117	.0004423	.0001361
%RSD	9.384745	281.0870	6.062332	1689.739	1.133611	2056.500	9.536140

#1	.0011376	.0290629	.0011295	.0000858	413.6116	-.000175	.0012955
#2	.0011911	-.007188	.0012750	.0001701	412.2819	-.000288	.0014182
#3	.0013587	-.001146	.0011986	-.000219	421.0260	.000528	.0015672

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3839140	-.000025	-.000011	-.006560	.0017048	.0173575	.0019209
Stddev	.0628590	.000234	.000127	.000853	.0017583	.0068293	.0004477
%RSD	16.37319	951.7690	1104.204	13.00343	103.1403	39.34467	23.30717

#1	.3474084	-.000171	.000060	-.006670	.0032835	.0142567	.0023017
#2	.4564969	.000245	.000063	-.007352	-.000190	.0126288	.0014277
#3	.3478367	-.000147	-.000158	-.005657	.002021	.0251871	.0020334

Sample Name: PB168626TB Acquired: 7/1/2025 16:00:02 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0240091	-.000524	-.000050
Stddev	.0016547	.000752	.000075
%RSD	6.892042	143.3451	148.5417

#1	.0229786	-.001391	-.000083
#2	.0259177	-.000119	-.000103
#3	.0231309	-.000062	.000035

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5258.408	71711.91	7795.846	5096.132	5789.505
Stddev	18.659	680.15	143.089	36.694	9.338
%RSD	.3548482	.9484533	1.835449	.7200379	.1612832

#1	5255.161	71888.63	7668.114	5106.359	5793.023
#2	5278.477	70960.84	7768.949	5055.409	5796.573
#3	5241.585	72286.27	7950.474	5126.627	5778.920

Sample Name: PB168645BL Acquired: 7/1/2025 16:04:28 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008284	.0002735	-.001201	.0004565	-.000353	-.001601	-.008932
Stddev	.0001135	.0008939	.001477	.0005261	.001821	.005132	.001934
%RSD	13.69684	326.8067	123.0475	115.2371	515.5967	320.5645	21.65657

#1	.0009532	-.000674	-.002090	.0001197	.000550	-.003495	-.008791
#2	.0007315	.000394	.000505	.0001871	-.002449	.004209	-.007072
#3	.0008005	.001101	-.002017	.0010627	.000840	-.005516	-.010934

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000231	.0000103	-.002167	-.000072	.0000416	-.000325	-.001139
Stddev	.0000481	.0000411	.000836	.000250	.0000881	.000421	.002640
%RSD	207.9283	397.6654	38.60342	348.9116	211.9864	129.2883	231.8577

#1	.0000742	.0000350	-.001541	.000039	.0000747	-.000198	-.003419
#2	.0000165	-.000037	-.003117	-.000357	-.000058	-.000795	-.001750
#3	-.000021	.000033	-.001843	.000104	.000108	.000017	.001753

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000098	-.015851	.0001527	-.000058	.6614016	.0013962	.0001108
Stddev	.000267	.017552	.0003037	.000327	.0323948	.0011742	.0001185
%RSD	271.1334	110.7345	198.9297	568.6361	4.897908	84.09999	106.9582

#1	.000209	-.018931	.0004806	.000126	.6928629	.0027410	.0001450
#2	-.000268	.003038	-.000119	-.000436	.6631942	.0008739	.0002084
#3	-.000237	-.031659	.000097	.000137	.6281476	.0005738	-.000021

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1752604	.0000270	-.000065	-.005759	.0016755	.0052499	.0057705
Stddev	.0355650	.0005009	.000005	.000185	.0012187	.0137673	.0007807
%RSD	20.29267	1858.012	7.341189	3.215080	72.73729	262.2362	13.52863

#1	.2152931	-.000090	-.000061	-.005784	.0005293	.0107479	.0053214
#2	.1473125	.000576	-.000063	-.005930	.0015416	.0154186	.0066720
#3	.1631757	-.000405	-.000070	-.005563	.0029557	-.010417	.0053182

Sample Name: PB168645BL Acquired: 7/1/2025 16:04:28 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By: jasw
 On: 7/2/2025 4:45:
 PM
 Inst Id : P4
 LB : LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0005069	.0046075	-.000071
Stddev	.0018364	.0021093	.000099
%RSD	362.2477	45.77827	140.3417

#1	.0024720	.0054998	.000038
#2	.0002142	.0061240	-.000158
#3	-.001165	.0021988	-.000092

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5658.736	82091.74	7786.933	5667.215	6705.301
Stddev	2.007	216.81	85.515	6.024	4.874
%RSD	.0354651	.2641022	1.098187	.1062993	.0726870

#1	5661.052	82338.89	7750.749	5662.996	6703.149
#2	5657.651	81933.66	7725.459	5664.535	6710.881
#3	5657.505	82002.66	7884.592	5674.114	6701.874

Sample Name: PB168645BS Acquired: 7/1/2025 16:08:48 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7546744	1.907098	.9164722	1.926532	.7884509	1.946136
Stddev	.0029922	.010838	.0026597	.012442	.0032854	.008770
%RSD	.3964861	.5682861	.2902140	.6458071	.4166952	.4506295

#1	.7515249	1.917631	.9186270	1.912690	.7846764	1.937263
#2	.7550188	1.907684	.9172899	1.930120	.7900073	1.954799
#3	.7574795	1.895979	.9134996	1.936784	.7906688	1.946345

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1664108	.1833921	.1837987	.9237576	.3737713	.1876690
Stddev	.0037240	.0024797	.0005622	.0246230	.0021781	.0003969
%RSD	2.237824	1.352151	.3058568	2.665527	.5827313	.2114921

#1	.1649871	.1826577	.1844156	.8954843	.3745928	.1880517
#2	.1706366	.1861561	.1836651	.9352944	.3713019	.1876961
#3	.1636087	.1813625	.1833154	.9404940	.3754191	.1872593

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2942736	2.801135	.1869047	1.825250	.4696043	.0686628
Stddev	.0004324	.034900	.0010193	.007829	.0014961	.0002560
%RSD	.1469343	1.245907	.5453721	.4289339	.3185956	.3728383

#1	.2946651	2.802952	.1866051	1.816500	.4710452	.0684275
#2	.2943460	2.765363	.1880402	1.831593	.4697092	.0686255
#3	.2938095	2.835091	.1860688	1.827656	.4680585	.0689354

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.008288	.2693225	.1945146	9.162078	.2778180	.3922120
Stddev	.039177	.0042228	.0016933	.192796	.0047575	.0002412
%RSD	1.302308	1.567934	.8705146	2.104280	1.712443	.0615004

#1	3.031760	.2649801	.1959056	9.204000	.2776871	.3919419
#2	2.963061	.2734146	.1926292	8.951771	.2826396	.3922879
#3	3.030044	.2695727	.1950090	9.330465	.2731274	.3924061

Sample Name: PB168645BS Acquired: 7/1/2025 16:08:48 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6560508	.1809283	.8057815	5.493607	F -.003845	.1922673
Stddev	.0035773	.0001095	.0233989	.019092	.001563	.0016186
%RSD	.5452839	.0605316	2.903882	.3475325	40.64131	.8418716

#1	.6598031	.1810543	.8109144	5.514801	-.002045	.1910181
#2	.6556703	.1808560	.7802422	5.488264	-.004858	.1940959
#3	.6526789	.1808745	.8261878	5.477755	-.004632	.1916878

Elem	Sr4077
Units	ppm
Avg	.1849139
Stddev	.0002216
%RSD	.1198276

#1	.1846779
#2	.1851175
#3	.1849463

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5618.127	78969.90	7691.967	5568.888	6541.674
Stddev	28.732	590.22	102.509	39.475	45.213
%RSD	.5114190	.7474008	1.332677	.7088481	.6911542

#1	5585.744	78752.38	7706.330	5547.817	6491.637
#2	5628.070	79638.01	7583.034	5614.427	6553.794
#3	5640.566	78519.30	7786.537	5544.418	6579.592

Sample Name: PB168663BL Acquired: 7/1/2025 16:12:48 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003130	.0004690	-.000882	.0030483	-.000237	.0115465	-.005837
Stddev	.0020507	.0011235	.000776	.0032374	.001051	.0047793	.003533
%RSD	655.0688	239.5628	87.95280	106.2042	443.3686	41.39213	60.52322

#1	.0026604	-.000495	-.000993	.0054889	.000976	.0076852	-.009812
#2	-.001130	.001703	-.000057	-.000624	-.000860	.0168918	-.004645
#3	-.000591	.000200	-.001597	.004280	-.000827	.0100625	-.003055

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000073	.0000542	-.005099	-.000182	.0000677	-.000299	.0127894
Stddev	.0000536	.0000773	.005397	.000074	.0002088	.000168	.0046134
%RSD	735.3022	142.5864	105.8461	40.84810	308.4349	56.26793	36.07252

#1	.0000098	.0001431	-.004225	-.000268	-.000120	-.000446	.0162247
#2	-.000048	.0000177	-.000192	-.000140	.000293	-.000335	.0075457
#3	.000060	.0000020	-.010880	-.000138	.000030	-.000116	.0145977

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000090	-.006119	.0000327	-.000016	.2483955	-.000996	.0001833
Stddev	.000270	.010618	.0002053	.000139	.0144212	.001545	.0001340
%RSD	298.4883	173.5198	627.6069	866.7016	5.805739	155.0680	73.11597

#1	-.000269	-.010825	.0002694	.000122	.2517688	-.000352	.0002629
#2	-.000223	.006039	-.000074	-.000156	.2325866	.000122	.0000286
#3	.000220	-.013572	-.000097	-.000014	.2608310	-.002759	.0002584

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0190131	-.000400	-.000022	-.005740	.0018462	.0050921	.0057431
Stddev	.0365689	.000571	.000063	.000057	.0001843	.0022490	.0016068
%RSD	192.3358	142.6901	291.1436	.9947283	9.980440	44.16584	27.97857

#1	-.019177	-.000190	-.000081	-.005806	.0018594	.0027511	.0043511
#2	.053711	.000036	-.000029	-.005710	.0016557	.0052892	.0053767
#3	.022505	-.001047	.000045	-.005704	.0020236	.0072360	.0075014

Sample Name: PB168663BL Acquired: 7/1/2025 16:12:48 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0033155	.0021062	-.000115
Stddev	.0007051	.0012055	.000045
%RSD	21.26748	57.23512	39.28980

#1	.0030694	.0017280	-.000114
#2	.0041106	.0011352	-.000161
#3	.0027663	.0034555	-.000071

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5519.018	79700.75	7832.862	5562.017	6475.553
Stddev	9.619	202.17	95.196	11.400	5.453
%RSD	.1742923	.2536669	1.215335	.2049535	.0842126

#1	5524.797	79888.15	7942.543	5554.608	6478.553
#2	5524.343	79727.60	7771.726	5575.144	6478.848
#3	5507.914	79486.49	7784.315	5556.300	6469.259

Sample Name: PB168663BS Acquired: 7/1/2025 16:17:07 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7637076	1.911720	.9291515	1.945620	.7879732	2.018251
Stddev	.0023502	.010288	.0018458	.001835	.0024408	.005776
%RSD	.3077295	.5381347	.1986565	.0943367	.3097506	.2862024

#1	.7639489	1.921374	.9290366	1.947712	.7902743	2.013418
#2	.7612461	1.912889	.9273658	1.944864	.7854134	2.024648
#3	.7659277	1.900898	.9310520	1.944282	.7882320	2.016685

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1660489	.1766558	.1857807	.9135871	.3826922	.1901384
Stddev	.0007941	.0006445	.0005776	.0098046	.0005689	.0001728
%RSD	.4782166	.3648089	.3108915	1.073203	.1486546	.0908695

#1	.1651706	.1765918	.1857715	.9040312	.3821021	.1899569
#2	.1667162	.1760458	.1852079	.9236229	.3827375	.1901574
#3	.1662599	.1773299	.1863629	.9131073	.3832371	.1903009

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2978668	2.998574	.1878788	1.807012	.4754092	.0704855
Stddev	.0005541	.016539	.0007678	.024177	.0017628	.0003390
%RSD	.1860232	.5515686	.4086607	1.337951	.3707904	.4810048

#1	.2979061	2.983319	.1870320	1.779739	.4753962	.0702288
#2	.2972941	3.016152	.1885295	1.825815	.4736529	.0703579
#3	.2984002	2.996252	.1880749	1.815480	.4771784	.0708698

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.172806	.2746379	.2056183	9.936411	.2657249	.3921259
Stddev	.022414	.0025710	.0011588	.073684	.0013023	.0007928
%RSD	.7064543	.9361573	.5635606	.7415538	.4900904	.2021688

#1	3.153262	.2772257	.2044482	9.855311	.2648692	.3930156
#2	3.197273	.2720839	.2056412	9.999242	.2650819	.3914946
#3	3.167883	.2746039	.2067654	9.954681	.2672236	.3918673

Sample Name: PB168663BS Acquired: 7/1/2025 16:17:07 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6557202	.1831218	.8558113	5.529307	F -.004547	.1964482
Stddev	.0023908	.0008364	.0229651	.013391	.001561	.0021693
%RSD	.3646050	.4567245	2.683432	.2421787	34.33281	1.104240

#1	.6558556	.1822503	.8534137	5.543282	-.004625	.1956120
#2	.6532646	.1839180	.8798812	5.516589	-.002948	.1989111
#3	.6580404	.1831970	.8341390	5.528051	-.006067	.1948215

Elem	Sr4077
Units	ppm
Avg	.1876417
Stddev	.0008024
%RSD	.4276179

#1	.1867350
#2	.1882602
#3	.1879299

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5649.170	77806.84	8129.211	5500.854	6580.861
Stddev	18.656	263.86	46.693	24.319	13.740
%RSD	.3302412	.3391170	.5743846	.4421026	.2087867

#1	5628.346	77983.50	8140.143	5511.553	6565.127
#2	5654.805	77933.47	8169.468	5517.991	6590.490
#3	5664.359	77503.54	8078.022	5473.020	6586.968

Sample Name: PB168648BL Acquired: 7/1/2025 16:21:07 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014239	-.000482	-.000237	.0016785	-.001115	-.010079	-.007086
Stddev	.0004000	.001365	.000387	.0021672	.001029	.003503	.001292
%RSD	28.09458	283.0169	163.5439	129.1129	92.31184	34.76012	18.23395

#1	.0017191	.000806	.000207	.0017007	-.000304	-.008153	-.008410
#2	.0009686	-.001912	-.000506	.0038345	-.000768	-.007960	-.007019
#3	.0015840	-.000341	-.000412	-.000500	-.002273	-.014122	-.005829

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000012	.0000210	-.006311	-.000021	-.000039	-.000115	-.000988
Stddev	.000051	.0000662	.007352	.000309	.000199	.000198	.003479
%RSD	409.1382	314.7487	116.4902	1473.473	510.6930	172.9755	352.0281

#1	-.000068	.0000438	-.014647	.000197	-.000195	-.000072	-.000471
#2	-.000003	.0000729	-.003534	.000115	.000185	-.000331	-.004697
#3	.000033	-.000054	-.000752	-.000375	-.000107	.000059	.002203

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002035	-.005333	-.000009	.0000356	.1619616	.0008149	.0002570
Stddev	.0004610	.015198	.000265	.0003930	.0146224	.0013742	.0001606
%RSD	226.5100	284.9648	2822.647	1103.074	9.028335	168.6238	62.47487

#1	.0007251	.000130	.000173	.0004330	.1699759	-.000667	.0001915
#2	-.000149	.006378	.000112	.0000268	.1450842	.001064	.0004400
#3	.000035	-.022508	-.000314	-.000353	.1708248	.002048	.0001396

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0458326	-.001155	-.000153	-.005696	.0007728	.0037875	.0065742
Stddev	.0200345	.001217	.000060	.000259	.0004158	.0088835	.0009925
%RSD	43.71238	105.3757	39.62351	4.543438	53.81338	234.5510	15.09748

#1	.0308098	.000184	-.000213	-.005893	.0002932	-.002835	.0060207
#2	.0685795	-.001454	-.000092	-.005791	.0010339	.000314	.0059818
#3	.0381086	-.002194	-.000153	-.005403	.0009911	.013883	.0077200

Sample Name: PB168648BL Acquired: 7/1/2025 16:21:07 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0003214	.0018568	-.000029
Stddev	.0007475	.0025487	.000093
%RSD	232.5559	137.2643	319.6146

#1	.0011824	.0014435	.000018
#2	-.000162	.0045869	.000031
#3	-.000056	-.000460	-.000136

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5569.388	79669.95	7852.284	5571.162	6558.016
Stddev	65.389	404.69	43.767	35.821	91.542
%RSD	1.174077	.5079534	.5573813	.6429765	1.395873

#1	5495.155	79295.17	7827.935	5531.034	6455.018
#2	5594.556	80099.06	7902.811	5599.912	6588.935
#3	5618.454	79615.61	7826.106	5582.540	6630.093

Sample Name: PB168648BS Acquired: 7/1/2025 16:25:26 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7499143	1.884151	.9215193	1.915298	.7786173	1.822785
Stddev	.0035037	.013113	.0033751	.007283	.0024519	.013110
%RSD	.4672128	.6959412	.3662515	.3802424	.3148995	.7192388

#1	.7512178	1.875702	.9183557	1.915388	.7801265	1.837321
#2	.7459457	1.877495	.9250721	1.907971	.7757882	1.819176
#3	.7525795	1.899257	.9211300	1.922535	.7799372	1.811857

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1685575	.1855314	.1838053	.9352360	.3797568	.1882231
Stddev	.0019069	.0016699	.0009682	.0180430	.0023589	.0004881
%RSD	1.131293	.9000767	.5267355	1.929245	.6211493	.2593436

#1	.1671645	.1836113	.1827218	.9452141	.3824791	.1877013
#2	.1677772	.1863373	.1841083	.9144078	.3784737	.1882994
#3	.1707308	.1866454	.1845857	.9460860	.3783176	.1886686

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2953950	2.843720	.1881873	1.830620	.4699462	.0703409
Stddev	.0011046	.032741	.0003737	.003258	.0014633	.0006808
%RSD	.3739408	1.151344	.1985505	.1779939	.3113856	.9678082

#1	.2952854	2.881453	.1885459	1.826860	.4683792	.0706039
#2	.2943494	2.822813	.1882157	1.832624	.4712771	.0695679
#3	.2965504	2.826895	.1878003	1.832375	.4701824	.0708510

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.965584	.2717161	.1996682	9.399204	.2789765	.3903472
Stddev	.035194	.0012929	.0009658	.129763	.0038094	.0007181
%RSD	1.186752	.4758198	.4836989	1.380576	1.365500	.1839703

#1	3.005130	.2717017	.1994059	9.548489	.2745927	.3903313
#2	2.937704	.2704305	.1988607	9.335699	.2808551	.3896372
#3	2.953918	.2730161	.2007380	9.313425	.2814818	.3910732

Sample Name: PB168648BS Acquired: 7/1/2025 16:25:26 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:3
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6546618	.1828925	.8133821	5.414730	F -.005495	.1942549
Stddev	.0037617	.0004885	.0193919	.035187	.003248	.0021088
%RSD	.5746101	.2670992	2.384111	.6498391	59.11192	1.085610

#1	.6504897	.1834502	.8357648	5.378777	-.008754	.1949724
#2	.6557010	.1826871	.8016361	5.416315	-.005475	.1918809
#3	.6577947	.1825402	.8027453	5.449097	-.002257	.1959114

Elem	Sr4077
Units	ppm
Avg	.1870751
Stddev	.0004576
%RSD	.2445999

#1	.1872411
#2	.1874265
#3	.1865577

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5701.358	78732.92	7782.363	5543.504	6672.829
Stddev	25.121	824.53	19.977	23.217	44.810
%RSD	.4406068	1.047244	.2566941	.4188107	.6715267

#1	5730.334	77782.74	7805.215	5519.392	6724.517
#2	5688.022	79260.20	7768.217	5565.708	6644.947
#3	5685.718	79155.81	7773.656	5545.412	6649.022

Sample Name: Q2442-01 Acquired: 7/1/2025 16:29:27 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0630969	-.073288	.0065464	.0429862	.0025158	153.2723	.1414981
Stddev	.0019892	.001379	.0020553	.0049688	.0021985	.1023	.0006738
%RSD	3.152660	1.881141	31.39653	11.55901	87.38683	.0667518	.4761913

#1	.0630702	-.074577	.0072680	.0415817	.0012139	153.3455	.1407744
#2	.0650994	-.071835	.0042275	.0388708	.0050541	153.1554	.1421073
#3	.0611212	-.073451	.0081436	.0485060	.0012793	153.3159	.1416126

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0111009	.0025384	98.62323	.3704860	.2068880	-.004559	210.9125
Stddev	.0001066	.0002547	.13121	.0008071	.0004585	.000622	1.5074
%RSD	.9600711	10.03406	.1330383	.2178453	.2216012	13.65303	.7147151

#1	.0110449	.0024850	98.71740	.3710968	.2072972	-.003991	210.1558
#2	.0110339	.0023146	98.67892	.3707901	.2063925	-.005224	212.6484
#3	.0112238	.0028155	98.47336	.3695710	.2069745	-.004460	209.9334

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.791886	187.5380	.6534486	.0019632	3.118830	.5065011	1.755561
Stddev	.008430	.5766	.0021725	.0001259	.023171	.0008927	.006894
%RSD	.3019387	.3074333	.3324619	6.415093	.7429322	.1762450	.3926713

#1	2.801200	188.2011	.6533543	.0018476	3.101826	.5068847	1.763326
#2	2.784781	187.1551	.6513248	.0020974	3.145222	.5071379	1.753196
#3	2.789676	187.2578	.6556667	.0019447	3.109443	.5054807	1.750162

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	112.6166	.3758376	-.001358	.0424150	16.88710	2.624629	14.28756
Stddev	.8482	.0080924	.000243	.0016878	.02700	.007579	.08459
%RSD	.7531415	2.153162	17.91850	3.979264	.1598684	.2887661	.5920393

#1	111.9770	.3692819	-.001371	.0421806	16.86638	2.623297	14.35990
#2	113.5787	.3848821	-.001108	.0408566	16.91763	2.632786	14.19456
#3	112.2941	.3733488	-.001594	.0442077	16.87729	2.617805	14.30823

Sample Name: Q2442-01 Acquired: 7/1/2025 16:29:27 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2196589	.6836921	-.128087
Stddev	.0020349	.0038700	.001532
%RSD	.9263877	.5660434	1.195843

#1	.2219093	.6796312	-.127303
#2	.2179485	.6873377	-.129852
#3	.2191189	.6841074	-.127106

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6859.441	95545.68	9955.106	6733.749	5498.508
Stddev	9.082	511.48	88.526	38.241	5.256
%RSD	.1323948	.5353251	.8892479	.5678948	.0955831

#1	6869.926	95029.82	9861.206	6691.691	5499.981
#2	6854.347	95554.57	10037.04	6743.129	5502.870
#3	6854.049	96052.66	9967.07	6766.427	5492.673

Sample Name: Q2445-01 Acquired: 7/1/2025 16:33:30 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0448810	-.015932	.1552209	.0274901	.0155910	161.6866
Stddev	.0023954	.002226	.0012426	.0037202	.0047706	.2121
%RSD	5.337299	13.96913	.8005314	13.53290	30.59827	.1311721

#1	.0475808	-.015501	.1565167	.0233295	.0104168	161.4699
#2	.0430099	-.013954	.1540394	.0304961	.0165412	161.8938
#3	.0440525	-.018342	.1551066	.0286448	.0198150	161.6960

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8851669	.0072529	-.003469	1983.850	.3177677	.0696528
Stddev	.0030472	.0000173	.000114	23.368	.0000760	.0002851
%RSD	.3442534	.2390084	3.286082	1.177908	.0239075	.4093623

#1	.8820508	.0072333	-.003467	2001.932	.3178312	.0697613
#2	.8881403	.0072588	-.003584	1957.465	.3177883	.0698678
#3	.8853096	.0072664	-.003356	1992.154	.3176835	.0693294

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2626598	199.1169	2.619799	108.7755	.1908340	.0051023
Stddev	.0005847	1.0661	.005834	.2664	.0008971	.0002721
%RSD	.2225982	.5354103	.2226959	.2448840	.4701223	5.332085

#1	.2621286	199.2765	2.613589	108.5369	.1918600	.0050861
#2	.2632863	200.0943	2.620642	108.7268	.1904454	.0053821
#3	.2625645	197.9801	2.625165	109.0629	.1901967	.0048387

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.23715	.2347443	1.725976	26.38617	.6344500	.0192701
Stddev	.09059	.0004949	.000865	.13797	.0033142	.0001734
%RSD	.5579004	.2108421	.0500941	.5228740	.5223760	.8997750

#1	16.22292	.2348687	1.724988	26.44201	.6359390	.0193031
#2	16.33402	.2351652	1.726343	26.48747	.6367586	.0190826
#3	16.15453	.2341990	1.726597	26.22904	.6306525	.0194247

Sample Name: Q2445-01 Acquired: 7/1/2025 16:33:30 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:3
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0277699	6.288489	3.732466	6.824429	F 80.30704	.0755644
Stddev	.0006666	.013771	.050995	.024790	.22759	.0063282
%RSD	2.400538	.2189872	1.366259	.3632497	.2834002	8.374651

#1	.0284576	6.273096	3.783827	6.852137	80.52329	.0686484
#2	.0271265	6.299641	3.731727	6.816797	80.32824	.0810653
#3	.0277256	6.292729	3.681844	6.804352	80.06959	.0769794

Elem	Sr4077
Units	ppm
Avg	7.519712
Stddev	.088044
%RSD	1.170841

#1	7.598817
#2	7.424856
#3	7.535463

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5051.706	70446.43	8002.100	5012.208	4719.585
Stddev	7.174	175.86	24.095	6.233	12.201
%RSD	.1420066	.2496424	.3011038	.1243625	.2585136

#1	5043.618	70401.45	8015.622	5009.933	4706.288
#2	5057.302	70297.43	8016.397	5007.432	4730.265
#3	5054.197	70640.42	7974.282	5019.259	4722.201

Sample Name: CCV03 Acquired: 7/1/2025 16:37:49 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.896280	4.740739	4.725915	4.975860	4.957178	9.313520	9.409366
Stddev	.012842	.053482	.012077	.016378	.016856	.027385	.060405
%RSD	.2622783	1.128134	.2555471	.3291540	.3400268	.2940353	.6419676

#1	4.891902	4.682638	4.728714	4.957232	4.942400	9.331599	9.378645
#2	4.910738	4.751665	4.736346	4.988004	4.975536	9.326947	9.370497
#3	4.886199	4.787914	4.712684	4.982343	4.953596	9.282012	9.478957

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2284671	2.352672	23.13790	.9405602	2.368900	1.203031	4.807273
Stddev	.0010655	.003958	.07151	.0037736	.005047	.002518	.020512
%RSD	.4663865	.1682517	.3090529	.4012120	.2130407	.2093223	.4266875

#1	.2287424	2.354677	23.13276	.9413073	2.368093	1.201486	4.805192
#2	.2293680	2.355226	23.21184	.9364689	2.374301	1.205937	4.787881
#3	.2272909	2.348112	23.06911	.9439044	2.364305	1.201669	4.828747

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.342576	24.35536	2.365261	1.206426	25.85353	2.314895	2.443834
Stddev	.009164	.16581	.004130	.001305	.07189	.008729	.005804
%RSD	.3912139	.6807797	.1746278	.1081419	.2780569	.3770676	.2375085

#1	2.346390	24.43190	2.365944	1.207666	25.87540	2.320663	2.448634
#2	2.349218	24.46908	2.369008	1.206546	25.77324	2.319169	2.445486
#3	2.332121	24.16511	2.360832	1.205065	25.91194	2.304853	2.437383

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.16210	4.627090	4.874755	4.717660	4.632517	4.729961	4.681115
Stddev	.07826	.029624	.014662	.007248	.011445	.014622	.005061
%RSD	.3238822	.6402342	.3007763	.1536437	.2470555	.3091349	.1081160

#1	24.21028	4.637174	4.870289	4.712869	4.637947	4.729563	4.678505
#2	24.07180	4.650355	4.891130	4.725999	4.640236	4.715542	4.686948
#3	24.20421	4.593740	4.862845	4.714113	4.619367	4.744778	4.677891

Sample Name: CCV03 Acquired: 7/1/2025 16:37:49 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.767967	4.710826	4.779004
Stddev	.008731	.008791	.040695
%RSD	.1831172	.1866140	.8515340

#1	4.757893	4.707800	4.766593
#2	4.773358	4.720730	4.824460
#3	4.772649	4.703947	4.745960

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5507.182	76697.60	7688.835	5336.619	6211.370
Stddev	28.543	326.14	12.106	17.983	29.550
%RSD	.5182949	.4252230	.1574515	.3369705	.4757441

#1	5493.535	76609.84	7680.901	5320.145	6189.295
#2	5488.023	77058.64	7682.834	5333.908	6199.874
#3	5539.987	76424.33	7702.769	5355.803	6244.941

Sample Name: CCB03 Acquired: 7/1/2025 16:42:00 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002004	.0009002	-.000034	.0010919	-.002221	-.002346	-.009016
Stddev	.0011134	.0008703	.000528	.0019588	.001354	.000411	.001002
%RSD	555.4672	96.67365	1561.396	179.3906	60.97266	17.49966	11.10981

#1	-.000986	.0018687	.000423	-.000808	-.002916	-.002758	-.008208
#2	.001223	.0006482	-.000612	.003105	-.003088	-.001937	-.008704
#3	.000364	.0001838	.000088	.000979	-.000661	-.002343	-.010137

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000324	.0000265	.0620610	.0000866	.0000023	-.000552	.0040174
Stddev	.0000732	.0000684	.0026592	.0001070	.0000811	.000177	.0031542
%RSD	226.3335	257.9964	4.284743	123.4810	3574.465	31.98718	78.51376

#1	.0000535	.0000686	.0596445	.0000807	-.000006	-.000641	.0021243
#2	.0000927	-.000052	.0616288	-.000017	.000087	-.000349	.0022694
#3	-.000049	.000063	.0649099	.000196	-.000074	-.000667	.0076587

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000042	-.001320	-.000276	-.000093	.2039869	.0001180	.0002057
Stddev	.000234	.009080	.000171	.000548	.0084420	.0009403	.0001259
%RSD	557.7351	687.8720	62.09754	590.1170	4.138502	797.0759	61.19212

#1	.000004	-.002135	-.000154	-.000057	.2118338	.0000677	.0003032
#2	-.000296	.008140	-.000201	-.000658	.2050721	.0010824	.0002504
#3	.000166	-.009966	-.000471	.000436	.1950547	-.000796	.0000636

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0253357	.0036580	.0005588	-.000390	.0026671	.0114199	.0046120
Stddev	.0340507	.0003490	.0003211	.000306	.0008383	.0089164	.0020770
%RSD	134.3978	9.541667	57.45404	78.47610	31.42939	78.07787	45.03426

#1	.0244506	.0040036	.0009044	-.000415	.0027184	.0091377	.0024814
#2	-.008264	.0036648	.0002698	-.000072	.0034786	.0212556	.0047239
#3	.059820	.0033056	.0005022	-.000683	.0018044	.0038664	.0066309

Sample Name: CCB03 Acquired: 7/1/2025 16:42:00 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0009602	.0026446	.0001116
Stddev	.0013113	.0010961	.0000227
%RSD	136.5598	41.44866	20.33149

#1	-.000553	.0038888	.0001359
#2	.001749	.0018212	.0001079
#3	.001685	.0022237	.0000910

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5567.750	81545.65	8043.068	5645.458	6602.270
Stddev	2.319	340.82	39.980	13.272	8.082
%RSD	.0416436	.4179489	.4970751	.2350891	.1224074

#1	5570.239	81152.30	8017.893	5632.643	6598.310
#2	5567.360	81731.61	8022.144	5659.144	6611.568
#3	5565.651	81753.04	8089.168	5644.586	6596.933

Sample Name: Q2449-01 Acquired: 7/1/2025 16:46:19 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1199661	-.019483	.0735866	.0194717	.0175384	117.6607
Stddev	.0016974	.002060	.0019417	.0048755	.0037611	.2100
%RSD	1.414891	10.57367	2.638623	25.03889	21.44514	.1785103

#1	.1199333	-.021039	.0749651	.0220305	.0218809	117.5594
#2	.1216797	-.020264	.0744285	.0225352	.0154288	117.9022
#3	.1182854	-.017147	.0713660	.0138495	.0153057	117.5205

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6452855	.0125930	-.000667	2204.069	.4101711	.0620570
Stddev	.0034674	.0001760	.000475	24.637	.0010239	.0002549
%RSD	.5373461	1.397712	71.24080	1.117801	.2496218	.4108041

#1	.6423430	.0125453	-.000815	2208.958	.4090478	.0623141
#2	.6491082	.0127879	-.000136	2225.895	.4104135	.0618043
#3	.6444053	.0124458	-.001051	2177.354	.4110520	.0620527

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1282514	195.7914	5.243725	692.5282	.2731358	.0056067
Stddev	.0008138	3.1027	.019375	4.3331	.0004265	.0008780
%RSD	.6345003	1.584695	.3694813	.6256917	.1561491	15.65958

#1	.1284155	196.0496	5.237180	689.3916	.2732494	.0054618
#2	.1289706	192.5676	5.265525	697.4724	.2734940	.0048101
#3	.1273681	198.7569	5.228471	690.7205	.2726640	.0065481

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.929288	.5006554	.9134047	33.48558	.7756739	.0257244
Stddev	.153218	.0026268	.0035307	.49229	.0064473	.0002441
%RSD	1.932310	.5246680	.3865425	1.470144	.8311869	.9490083

#1	7.980576	.4981241	.9093419	33.56999	.7730583	.0254504
#2	7.757004	.5004738	.9151425	32.95654	.7709454	.0259187
#3	8.050282	.5033683	.9157296	33.93020	.7830179	.0258043

Sample Name: Q2449-01 Acquired: 7/1/2025 16:46:19 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197690	4.877248	5.529608	5.345982	F 75.84686	.1285874
Stddev	.0006793	.007601	.097902	.029123	.28953	.0065981
%RSD	3.436313	.1558535	1.770514	.5447698	.3817316	5.131225

#1	.0191214	4.868655	5.552784	5.369045	76.13995	.1300138
#2	.0197094	4.883095	5.422197	5.355645	75.83960	.1213928
#3	.0204761	4.879994	5.613843	5.313255	75.56102	.1343557

Elem	Sr4077
Units	ppm
Avg	6.843917
Stddev	.101106
%RSD	1.477313

#1	6.897605
#2	6.906854
#3	6.727292

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4847.689	70622.32	8129.201	4865.881	4403.515
Stddev	10.829	334.08	151.523	21.507	7.513
%RSD	.2233889	.4730488	1.863939	.4420003	.1706159

#1	4841.450	70880.01	8213.307	4886.714	4395.928
#2	4860.194	70742.07	7954.280	4867.172	4403.664
#3	4841.424	70244.87	8220.016	4843.758	4410.952

Sample Name: Q2450-01 Acquired: 7/1/2025 16:50:37 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:3
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0511737	-.017093	.9362902	.0876721	.0708513	179.2312	1.231864
Stddev	.0013768	.002064	.0092666	.0012565	.0012666	1.4212	.008434
%RSD	2.690461	12.07275	.9897091	1.433199	1.787683	.7929323	.6846849

#1	.0500450	-.019114	.9458998	.0862501	.0711515	177.8820	1.224598
#2	.0527076	-.014990	.9274097	.0886325	.0719408	179.0968	1.229881
#3	.0507685	-.017174	.9355612	.0881336	.0694616	180.7148	1.241113

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0123399	-.007275	47.02172	.2833681	.2620272	.8811899	394.6509
Stddev	.0001650	.000285	.43192	.0000475	.0012109	.0020865	1.3425
%RSD	1.337008	3.914435	.9185638	.0167510	.4621196	.2367819	.3401616

#1	.0121721	-.007599	46.60449	.2833924	.2634252	.8834116	396.1966
#2	.0123458	-.007061	46.99371	.2833984	.2613479	.8808862	393.7767
#3	.0125019	-.007166	47.46697	.2833134	.2613085	.8792718	393.9794

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.424067	73.02167	.4217743	.0152345	9.076840	.5828838	2.228279
Stddev	.077558	.76509	.0020818	.0004051	.024517	.0086830	.003001
%RSD	.9206764	1.047756	.4935788	2.659264	.2701071	1.489657	.1346740

#1	8.346899	72.26888	.4240578	.0153963	9.103257	.5759677	2.231524
#2	8.423291	72.99765	.4199821	.0155338	9.072447	.5800553	2.225604
#3	8.502010	73.79849	.4212830	.0147735	9.054817	.5926283	2.227710

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.12344	.7613949	.0091103	.2938833	6.425859	3.423134	7.927555
Stddev	.07531	.0068711	.0003583	.0016509	.046567	.036232	.045724
%RSD	.5738777	.9024337	3.933053	.5617386	.7246829	1.058441	.5767759

#1	13.19956	.7693246	.0088141	.2946039	6.385772	3.452776	7.972169
#2	13.12180	.7576561	.0090082	.2919947	6.414866	3.433883	7.929701
#3	13.04896	.7572039	.0095086	.2950514	6.476939	3.382744	7.880796

Sample Name: Q2450-01 Acquired: 7/1/2025 16:50:37 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.528336	.4612141	-.169555
Stddev	.002040	.0028094	.002703
%RSD	.0450410	.6091289	1.594111

#1	4.528827	.4581869	-.172456
#2	4.530086	.4617182	-.169101
#3	4.526096	.4637374	-.167108

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6331.991	88978.44	9477.135	6268.195	5885.769
Stddev	9.981	285.06	128.286	23.957	17.841
%RSD	.1576303	.3203653	1.353636	.3822027	.3031229

#1	6327.051	89135.35	9600.460	6272.199	5865.170
#2	6325.442	89150.56	9486.539	6289.898	5896.321
#3	6343.478	88649.40	9344.406	6242.488	5895.817

Sample Name: Q2452-01 Acquired: 7/1/2025 16:54:37 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0654848	-.027583	.2071075	.0444479	-.001794	99.42047	.6811646
Stddev	.0019499	.001304	.0025954	.0034184	.000226	.14370	.0023477
%RSD	2.977622	4.728463	1.253145	7.690860	12.57873	.1445397	.3446646

#1	.0668572	-.028360	.2058372	.0425774	-.001584	99.56471	.6825621
#2	.0632528	-.028311	.2053919	.0483934	-.002032	99.41940	.6824776
#3	.0663444	-.026077	.2100933	.0423730	-.001765	99.27731	.6784541

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0114392	-.000538	26.63690	.2209635	.1298516	.4795619	197.2224
Stddev	.0000683	.000477	.05869	.0008195	.0006483	.0018081	1.3117
%RSD	.5966139	88.57666	.2203382	.3708839	.4992807	.3770216	.6651094

#1	.0115094	-.000333	26.70218	.2201203	.1291214	.4812670	196.9652
#2	.0113731	-.001083	26.62003	.2210128	.1303598	.4776660	198.6437
#3	.0114351	-.000199	26.58849	.2217572	.1300736	.4797526	196.0583

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.284555	63.01298	.2435272	.0066334	11.11511	.3612871	.6203972
Stddev	.010688	.04967	.0008011	.0007103	.07322	.0034380	.0021915
%RSD	.2022486	.0788185	.3289691	10.70728	.6587749	.9515858	.3532441

#1	5.295082	62.96662	.2428414	.0065900	11.12658	.3652545	.6192618
#2	5.273713	63.06540	.2433324	.0073644	11.18192	.3591834	.6229234
#3	5.284870	63.00693	.2444077	.0059459	11.03683	.3594234	.6190063

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.61209	.3565145	.0019459	.0218346	7.260979	3.735172	9.113679
Stddev	.13892	.0058072	.0001141	.0003112	.011499	.044094	.061294
%RSD	.6427705	1.628893	5.861914	1.425089	.1583704	1.180497	.6725534

#1	21.59052	.3555867	.0020776	.0219323	7.272779	3.740717	9.056725
#2	21.76052	.3627298	.0018768	.0220852	7.260353	3.776230	9.105766
#3	21.48521	.3512271	.0018834	.0214863	7.249806	3.688568	9.178545

Sample Name: Q2452-01 Acquired: 7/1/2025 16:54:37 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4768551	.2806074	-.088864
Stddev	.0061421	.0019914	.001234
%RSD	1.288042	.7096887	1.388279

#1	.4816167	.2783348	-.088505
#2	.4699223	.2820478	-.090238
#3	.4790263	.2814395	-.087851

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6754.102	98734.67	10377.00	6868.255	5863.879
Stddev	18.247	333.81	50.61	42.163	27.622
%RSD	.2701610	.3380838	.4877427	.6138817	.4710474

#1	6752.299	99117.69	10383.12	6886.897	5890.284
#2	6773.183	98505.78	10424.28	6819.985	5866.169
#3	6736.823	98580.54	10323.61	6897.884	5835.183

Sample Name: Q2452-05 Acquired: 7/1/2025 16:58:41 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0509633	-.000672	.3169043	.0534686	-.002968	115.7885	.8174275
Stddev	.0009312	.000600	.0008134	.0007961	.001799	.3487	.0017724
%RSD	1.827265	89.33273	.2566677	1.488871	60.61754	.3011537	.2168313

#1	.0501887	-.001353	.3163239	.0539041	-.004149	116.1637	.8189774
#2	.0519965	-.000220	.3178340	.0539518	-.003858	115.7274	.8178100
#3	.0507047	-.000443	.3165551	.0525497	-.000897	115.4744	.8154950

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095908	-.006136	13.94939	.1486160	.1240949	.2337038	236.0917
Stddev	.0000522	.000065	.05558	.0000585	.0006225	.0011093	.7044
%RSD	.5444924	1.064647	.3984491	.0393856	.5016245	.4746549	.2983686

#1	.0095985	-.006166	13.99494	.1485486	.1247291	.2347511	235.3638
#2	.0095351	-.006061	13.96578	.1486536	.1240707	.2338188	236.1412
#3	.0096387	-.006180	13.88746	.1486458	.1234848	.2325415	236.7700

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.262914	28.06954	.1812627	.0099080	16.88944	.2647699	.4141485
Stddev	.018797	.06937	.0003215	.0000765	.04662	.0026087	.0005805
%RSD	.2588107	.2471290	.1773514	.7719869	.2760456	.9852817	.1401719

#1	7.282387	28.14467	.1814060	.0098587	16.83560	.2673515	.4140073
#2	7.261480	28.05601	.1814876	.0099961	16.91630	.2621349	.4147866
#3	7.244875	28.00793	.1808945	.0098693	16.91641	.2648234	.4136516

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.447361	.4258227	.0033409	.0114934	2.118539	6.789393	5.653629
Stddev	.065741	.0052768	.0001031	.0005865	.005735	.044312	.026813
%RSD	.8827421	1.239188	3.085655	5.103182	.2707233	.6526657	.4742574

#1	7.375645	.4214949	.0032489	.0108869	2.122700	6.738408	5.675716
#2	7.504771	.4242723	.0034523	.0115358	2.120920	6.818627	5.661375
#3	7.461668	.4317010	.0033214	.0120577	2.111997	6.811143	5.623796

Sample Name: Q2452-05 Acquired: 7/1/2025 16:58:41 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By: jasw
 On: 7/2/2025 4:45:
 PM
 Inst Id : P4
 LB : LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.420821	.2400654	-.111859
Stddev	.001092	.0012645	.000808
%RSD	.0768431	.5267324	.7227801

#1	1.421217	.2388371	-.110977
#2	1.421660	.2413632	-.112034
#3	1.419586	.2399959	-.112565

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6489.252	91917.13	9671.988	6417.505	6127.373
Stddev	33.927	285.56	96.304	20.754	46.618
%RSD	.5228250	.3106669	.9956968	.3234015	.7608179

#1	6468.058	91680.61	9579.343	6397.060	6092.248
#2	6471.316	91836.42	9665.047	6416.898	6109.609
#3	6528.383	92234.35	9771.575	6438.556	6180.261

Sample Name: Q2457-01 Acquired: 7/1/2025 17:02:44 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0405427	-.018580	.2898485	.0531453	-.004177	112.4364	.4472748
Stddev	.0019590	.001117	.0010466	.0016021	.001144	.3911	.0025801
%RSD	4.831959	6.013591	.3610794	3.014575	27.39458	.3478207	.5768569

#1	.0386200	-.018191	.2907619	.0538392	-.004280	112.8050	.4497851
#2	.0425361	-.019840	.2887065	.0542835	-.005266	112.4780	.4474092
#3	.0404720	-.017709	.2900770	.0513132	-.002985	112.0262	.4446301

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065374	-.003096	44.41076	.1855466	.1252292	.2998926	236.9025
Stddev	.0001334	.000130	.11975	.0007833	.0001485	.0003905	.4960
%RSD	2.040835	4.209074	.2696454	.4221646	.1185827	.1302287	.2093750

#1	.0064951	-.003139	44.51782	.1853285	.1250584	.2998143	237.4140
#2	.0066869	-.003199	44.43303	.1864158	.1253022	.2995472	236.8699
#3	.0064303	-.002950	44.28144	.1848954	.1253272	.3003164	236.4235

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.209432	43.93075	.2187210	.0074880	6.908235	.3869582	.4852700
Stddev	.016221	.23964	.0005043	.0003156	.023676	.0028331	.0010978
%RSD	.3853420	.5454950	.2305776	4.214107	.3427203	.7321407	.2262180

#1	4.224433	43.91540	.2192312	.0075849	6.934173	.3880894	.4846443
#2	4.211644	44.17770	.2182228	.0077438	6.902745	.3890510	.4865375
#3	4.192218	43.69916	.2187090	.0071354	6.887786	.3837344	.4846280

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.89424	.4768572	.0109526	.0194678	5.392565	5.054133	8.123105
Stddev	.02805	.0025385	.0003585	.0015933	.028485	.005558	.035988
%RSD	.2018954	.5323347	3.272934	8.184244	.5282251	.1099745	.4430356

#1	13.89647	.4792024	.0106239	.0178110	5.421062	5.057091	8.164291
#2	13.92110	.4741618	.0113348	.0196036	5.392541	5.057586	8.107304
#3	13.86513	.4772074	.0108992	.0209889	5.364092	5.047721	8.097720

Sample Name: Q2457-01 Acquired: 7/1/2025 17:02:44 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.768918	.2254093	-.117764
Stddev	.004314	.0012578	.000113
%RSD	.0904685	.5580244	.0959259

#1	4.771751	.2264048	-.117846
#2	4.763952	.2239957	-.117810
#3	4.771049	.2258275	-.117635

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6569.739	95073.54	9942.247	6597.462	5994.102
Stddev	42.285	371.41	54.228	38.799	35.447
%RSD	.6436318	.3906548	.5454305	.5880959	.5913623

#1	6590.086	95350.49	9954.702	6634.609	6008.051
#2	6598.004	94651.48	9882.875	6557.198	6020.453
#3	6521.127	95218.65	9989.164	6600.578	5953.803

Sample Name: Q2457-01DUP Acquired: 7/1/2025 17:06:47 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0419063	-.017423	.2932666	.0577754	-.002360	111.8707	.4570476
Stddev	.0021445	.000768	.0016451	.0018555	.001906	.0578	.0007236
%RSD	5.117497	4.405473	.5609599	3.211554	80.76128	.0516277	.1583285

#1	.0440046	-.017248	.2946786	.0568542	-.000167	111.8286	.4578362
#2	.0419960	-.016758	.2914601	.0599113	-.003300	111.8470	.4564141
#3	.0397183	-.018263	.2936609	.0565608	-.003613	111.9365	.4568925

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064235	-.004652	44.69262	.1918406	.1264766	.2771638	252.6790
Stddev	.0000440	.000402	.05556	.0010339	.0001815	.0006235	2.4652
%RSD	.6853510	8.647897	.1243204	.5389524	.1434855	.2249431	.9756296

#1	.0064248	-.004282	44.71184	.1922541	.1265375	.2778818	251.2005
#2	.0064669	-.004594	44.63000	.1906639	.1262725	.2767589	251.3117
#3	.0063789	-.005080	44.73602	.1926038	.1266198	.2768508	255.5249

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.175730	43.94081	.2221880	.0104768	7.110889	.3846522	.4940908
Stddev	.003862	.11164	.0002581	.0010397	.093214	.0008991	.0006938
%RSD	.0924955	.2540758	.1161577	9.924114	1.310862	.2337451	.1404103

#1	4.176152	43.89453	.2224710	.0098273	7.052190	.3852067	.4947418
#2	4.179363	44.06815	.2219657	.0099270	7.062106	.3836148	.4933610
#3	4.171673	43.85975	.2221270	.0116760	7.218371	.3851350	.4941695

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.23968	.5564077	.0100039	.0306733	5.484728	4.500808	8.354065
Stddev	.12485	.0073631	.0001840	.0008067	.008763	.052852	.022274
%RSD	.7688097	1.323323	1.838788	2.629875	.1597774	1.174272	.2666278

#1	16.15073	.5536502	.0101323	.0297694	5.481686	4.497491	8.361333
#2	16.18591	.5508214	.0097932	.0309307	5.477890	4.449693	8.329064
#3	16.38241	.5647515	.0100863	.0313199	5.494606	4.555240	8.371797

Sample Name: Q2457-01DUP Acquired: 7/1/2025 17:06:47 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.999046	.2316256	-.124774
Stddev	.016305	.0021769	.002259
%RSD	.3261568	.9398311	1.810273

#1	4.997915	.2298101	-.123664
#2	4.983337	.2310277	-.123285
#3	5.015887	.2340389	-.127373

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6562.688	92180.30	10155.73	6436.133	5942.563
Stddev	22.207	117.08	112.10	12.736	15.391
%RSD	.3383788	.1270068	1.103845	.1978806	.2589904

#1	6542.616	92050.46	10076.09	6428.307	5927.329
#2	6586.544	92212.62	10107.17	6429.264	5958.106
#3	6558.904	92277.82	10283.92	6450.829	5942.256

Sample Name: Q2457-01LX5 Acquired: 7/1/2025 17:10:49 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094618	-.002161	.0580542	.0125818	-.002730	25.80060	.0900318
Stddev	.0007384	.000558	.0008117	.0017126	.000988	.04058	.0007246
%RSD	7.804496	25.81586	1.398255	13.61188	36.18299	.1572860	.8047879

#1	.0096056	-.002790	.0587794	.0137188	-.002478	25.75439	.0891956
#2	.0086620	-.001969	.0571773	.0106120	-.001893	25.83041	.0904256
#3	.0101178	-.001725	.0582059	.0134145	-.003820	25.81702	.0904742

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015820	-.002211	10.46325	.0441535	.0239338	.0700216	55.13352
Stddev	.0000665	.000047	.01584	.0001705	.0002946	.0002062	.28450
%RSD	4.200505	2.134846	.1513595	.3862120	1.230982	.2944473	.5160185

#1	.0015096	-.002192	10.45423	.0441023	.0236854	.0699745	55.45660
#2	.0015962	-.002265	10.48154	.0440145	.0238568	.0702472	55.02352
#3	.0016403	-.002176	10.45398	.0443438	.0242593	.0698431	54.92045

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001911	10.29411	.0424967	.0014095	1.729114	.0910704	.1139212
Stddev	.001043	.03036	.0002007	.0001381	.003317	.0030917	.0005479
%RSD	.1041148	.2949030	.4722410	9.799109	.1918288	3.394860	.4809755

#1	1.000844	10.26878	.0422917	.0014834	1.731149	.0935823	.1133622
#2	1.001961	10.32776	.0426928	.0014949	1.725286	.0920115	.1139440
#3	1.002929	10.28578	.0425056	.0012501	1.730907	.0876176	.1144573

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.249543	.1105602	.0019342	.0017506	1.254363	1.164859	1.525200
Stddev	.043186	.0004519	.0003413	.0000775	.001394	.016416	.004757
%RSD	1.328986	.4087040	17.64616	4.425729	.1111529	1.409297	.3118953

#1	3.298922	.1109175	.0015460	.0017927	1.253213	1.149835	1.523813
#2	3.230882	.1107107	.0020695	.0017978	1.255914	1.182381	1.530496
#3	3.218826	.1100522	.0021872	.0016611	1.253962	1.162361	1.521290

Sample Name: Q2457-01LX5 Acquired: 7/1/2025 17:10:49 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.8695384	.0585582	-.027194
Stddev	.0074798	.0006614	.000388
%RSD	.8602013	1.129445	1.428316

#1	.8755518	.0593158	-.027568
#2	.8719006	.0582625	-.027221
#3	.8611627	.0580963	-.026793

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5900.577	80958.66	8494.350	5663.727	6589.334
Stddev	12.952	406.19	25.600	11.985	6.990
%RSD	.2195017	.5017274	.3013740	.2116129	.1060772

#1	5902.253	80576.75	8506.871	5651.100	6584.086
#2	5912.609	81385.41	8511.280	5674.946	6597.269
#3	5886.868	80913.83	8464.900	5665.135	6586.649

Sample Name: Q2457-01MS Acquired: 7/1/2025 17:14:57 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6023261	1.646747	1.152609	1.442707	.2504547	115.1837	.5681792
Stddev	.0074865	.035958	.010502	.016457	.0011289	.0517	.0028865
%RSD	1.242928	2.183556	.9111070	1.140691	.4507393	.0449112	.5080360

#1	.5937933	1.605413	1.142944	1.423978	.2503994	115.1576	.5714405
#2	.6053926	1.664010	1.151098	1.449285	.2516102	115.2433	.5671441
#3	.6077925	1.670818	1.163784	1.454857	.2493544	115.1503	.5659529

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1294750	.1626511	43.00599	.4538733	.2960625	.5502024	233.2139
Stddev	.0010286	.0016058	.09193	.0035574	.0020433	.0102015	1.8328
%RSD	.7944728	.9872479	.2137504	.7837776	.6901621	1.854127	.7858801

#1	.1303955	.1608946	43.10248	.4564933	.2938727	.5390614	233.3337
#2	.1296649	.1630150	42.99604	.4498235	.2963966	.5524595	231.3242
#3	.1283647	.1640437	42.91944	.4553032	.2979182	.5590862	234.9839

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.329566	45.20553	.6537376	.0587329	9.600808	.5679254	.6196175
Stddev	.002643	.05795	.0039789	.0005036	.092166	.0033879	.0055344
%RSD	.0610546	.1281887	.6086347	.8574688	.9599836	.5965467	.8932046

#1	4.330960	45.22942	.6502034	.0583945	9.592986	.5675438	.6254395
#2	4.326517	45.24772	.6529624	.0584927	9.512802	.5647444	.6144243
#3	4.331221	45.13946	.6580470	.0593117	9.696636	.5714880	.6189888

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.63529	.5770815	.2896557	.5785831	5.366718	4.864664	13.02292
Stddev	.16078	.0061575	.0029557	.0036412	.015638	.024337	.03003
%RSD	.7791481	1.067001	1.020411	.6293324	.2913849	.5002906	.2306299

#1	20.63606	.5805164	.2864935	.5748794	5.378887	4.870965	12.99659
#2	20.47413	.5699728	.2901249	.5787115	5.372187	4.837795	13.05563
#3	20.79568	.5807554	.2923488	.5821584	5.349080	4.885231	13.01655

Sample Name: Q2457-01MS Acquired: 7/1/2025 17:14:57 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.377189	.3633225	.0143054
Stddev	.017111	.0015505	.0014140
%RSD	.3909173	.4267621	9.884659

#1	4.357864	.3631632	.0140524
#2	4.390416	.3618578	.0158289
#3	4.383288	.3649465	.0130350

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6475.438	93268.27	9784.605	6494.065	5874.000
Stddev	4.810	444.28	70.103	43.587	4.327
%RSD	.0742802	.4763442	.7164651	.6711861	.0736563

#1	6480.637	92801.99	9746.710	6446.526	5871.214
#2	6471.146	93686.66	9741.605	6532.149	5878.985
#3	6474.532	93316.17	9865.500	6503.520	5871.802

Sample Name: Q2457-01MSD Acquired: 7/1/2025 17:18:53 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6424521	1.669981	1.165871	1.545072	.2722036	114.2745	.5774367
Stddev	.0013930	.023638	.002183	.012976	.0050756	.4696	.0026340
%RSD	.2168207	1.415471	.1872194	.8398314	1.864647	.4109358	.4561562

#1	.6433798	1.689549	1.163963	1.552591	.2723808	113.8633	.5760364
#2	.6408503	1.676677	1.168251	1.530089	.2670417	114.1740	.5757986
#3	.6431261	1.643718	1.165398	1.552537	.2771883	114.7862	.5804751

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1385905	.1706682	42.44988	.4656121	.3010062	.5399807	228.3857
Stddev	.0013920	.0004130	.18515	.0024508	.0002304	.0051231	1.0693
%RSD	1.004390	.2420049	.4361720	.5263654	.0765477	.9487650	.4682203

#1	.1372258	.1706264	42.26503	.4664770	.3008139	.5351494	229.5863
#2	.1385376	.1711005	42.44928	.4628460	.3009431	.5394399	227.5355
#3	.1400082	.1702776	42.63534	.4675131	.3012616	.5453528	228.0352

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.282742	44.92736	.6702529	.0623862	9.654288	.5846168	.6208719
Stddev	.019482	.21002	.0006392	.0001332	.052710	.0014669	.0031705
%RSD	.4548923	.4674685	.0953637	.2134326	.5459726	.2509208	.5106562

#1	4.262710	44.78080	.6701241	.0625201	9.712326	.5849691	.6189668
#2	4.283893	44.83331	.6709466	.0622538	9.609394	.5830059	.6191170
#3	4.301622	45.16797	.6696879	.0623846	9.641144	.5858756	.6245319

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.98001	.5765931	.3050004	.6032497	5.323757	4.675923	13.19914
Stddev	.09587	.0065966	.0003019	.0024207	.014995	.044557	.09087
%RSD	.4569389	1.144073	.0989872	.4012744	.2816603	.9529001	.6884871

#1	21.08857	.5842101	.3052722	.6033905	5.312883	4.725562	13.29274
#2	20.90700	.5728329	.3046754	.6055970	5.317525	4.639386	13.19342
#3	20.94446	.5727363	.3050537	.6007617	5.340863	4.662822	13.11126

Sample Name: Q2457-01MSD Acquired: 7/1/2025 17:18:53 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.329918	.3748216	.0296523
Stddev	.009917	.0016377	.0016476
%RSD	.2290243	.4369151	5.556526

#1	4.335379	.3738153	.0277624
#2	4.318471	.3739382	.0304081
#3	4.335904	.3767112	.0307864

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6417.493	95687.58	9937.859	6612.725	5863.145
Stddev	12.142	482.31	91.261	25.068	6.379
%RSD	.1892006	.5040505	.9183211	.3790886	.1087957

#1	6420.424	95479.58	10006.55	6625.493	5856.085
#2	6427.902	96239.00	9972.72	6628.839	5864.856
#3	6404.154	95344.17	9834.31	6583.844	5868.494

Sample Name: Q2457-01A Acquired: 7/1/2025 17:22:49 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6938259	1.762357	1.193066	1.688900	.6746468	112.0814	.6039199
Stddev	.0013644	.055681	.005416	.009298	.0020334	.6433	.0025048
%RSD	.1966554	3.159448	.4539172	.5505101	.3013982	.5739480	.4147590

#1	.6931136	1.809471	1.197634	1.678251	.6757372	112.5150	.6056989
#2	.6929651	1.776688	1.194482	1.693044	.6723008	112.3870	.6050055
#3	.6953991	1.700911	1.187084	1.695406	.6759024	111.3423	.6010555

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1446420	.1785842	45.26546	.4794968	.3137533	.5178722	245.6517
Stddev	.0023304	.0012851	.27764	.0014975	.0007524	.0004311	3.0214
%RSD	1.611140	.7195769	.6133608	.3122992	.2397901	.0832387	1.229961

#1	.1448344	.1792195	45.42341	.4796796	.3141635	.5175851	246.3040
#2	.1468703	.1794279	45.42809	.4779163	.3142114	.5183678	242.3574
#3	.1422215	.1771052	44.94488	.4808944	.3128850	.5176636	248.2937

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.272728	45.16517	.6884329	.0682265	9.357940	.5953862	.6402763
Stddev	.027543	.35124	.0029410	.0009467	.118078	.0038769	.0013698
%RSD	.6446161	.7776723	.4271958	1.387601	1.261792	.6511510	.2139303

#1	4.292191	45.32304	.6909081	.0682782	9.359238	.5973886	.6386947
#2	4.284779	45.40978	.6892088	.0672550	9.239219	.5978523	.6410645
#3	4.241213	44.76270	.6851818	.0691463	9.475364	.5909176	.6410698

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.52989	.7230843	.3351730	.6886977	5.580770	5.294676	13.97039
Stddev	.27410	.0077400	.0003312	.0055582	.027259	.049205	.08428
%RSD	1.164905	1.070409	.0988057	.8070664	.4884421	.9293314	.6033104

#1	23.63919	.7236615	.3355494	.6925515	5.603691	5.329570	14.03303
#2	23.21800	.7150719	.3350436	.6912154	5.587990	5.238396	14.00359
#3	23.73247	.7305195	.3349261	.6823261	5.550627	5.316060	13.87457

Sample Name: Q2457-01A Acquired: 7/1/2025 17:22:49 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.058747	.3895366	.0284128
Stddev	.029928	.0028244	.0034704
%RSD	.5916108	.7250699	12.21424

#1	5.087120	.3918568	.0284844
#2	5.061647	.3863916	.0318469
#3	5.027475	.3903615	.0249072

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6275.767	92991.74	9962.870	6423.733	5732.443
Stddev	10.561	419.03	160.403	5.158	14.677
%RSD	.1682789	.4506105	1.610007	.0802893	.2560281

#1	6287.583	92577.30	9906.263	6419.005	5731.906
#2	6267.246	93415.21	9838.445	6422.962	5718.043
#3	6272.473	92982.72	10143.90	6429.233	5747.381

Sample Name: CCV04 Acquired: 7/1/2025 17:26:44 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.106441	4.820018	4.778777	5.245886	5.160261	9.445364	9.516156
Stddev	.049561	.087587	.049049	.051104	.048628	.126555	.220763
%RSD	.9705523	1.817142	1.026399	.9741801	.9423478	1.339868	2.319876

#1	5.125495	4.852097	4.783941	5.258254	5.169995	9.323876	9.266423
#2	5.050182	4.720914	4.727350	5.189733	5.107503	9.435777	9.596737
#3	5.143648	4.887042	4.825041	5.289672	5.203285	9.576441	9.685309

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2303095	2.376884	23.57481	.9321477	2.400059	1.233522	4.735700
Stddev	.0023615	.025032	.23260	.0015295	.025362	.010637	.024405
%RSD	1.025345	1.053163	.9866525	.1640815	1.056722	.8622907	.5153321

#1	.2285175	2.379287	23.39720	.9334499	2.401367	1.235067	4.708214
#2	.2294257	2.350737	23.48913	.9325297	2.374069	1.222198	4.744060
#3	.2329854	2.400629	23.83810	.9304634	2.424742	1.243302	4.754825

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.386626	24.66679	2.400502	1.197128	25.95557	2.358551	2.424071
Stddev	.035789	.27715	.024165	.002117	.08521	.033249	.009896
%RSD	1.499581	1.123571	1.006675	.1767986	.3283041	1.409705	.4082413

#1	2.355892	24.43602	2.401639	1.198546	25.85726	2.337032	2.426582
#2	2.378067	24.59016	2.375788	1.194695	26.00839	2.341775	2.413162
#3	2.425919	24.97419	2.424078	1.198143	26.00105	2.396845	2.432471

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.02917	4.722708	4.964214	4.758691	4.721665	4.694574	4.820880
Stddev	.10671	.053597	.046173	.052123	.060534	.035278	.038420
%RSD	.4441055	1.134869	.9301136	1.095332	1.282056	.7514625	.7969520

#1	23.92271	4.682898	4.975707	4.763460	4.678280	4.657538	4.825876
#2	24.02866	4.701577	4.913380	4.704347	4.695893	4.698403	4.780207
#3	24.13614	4.783649	5.003554	4.808267	4.790820	4.727782	4.856558

Sample Name: CCV04 Acquired: 7/1/2025 17:26:44 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.986990	4.889490	4.866733
Stddev	.052205	.056170	.121352
%RSD	1.046825	1.148797	2.493491

#1	4.989585	4.844540	4.729813
#2	4.933536	4.871471	4.909389
#3	5.037849	4.952459	4.960997

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5270.025	78568.42	7675.456	5403.307	5961.222
Stddev	32.316	231.63	56.330	22.280	40.872
%RSD	.6132089	.2948159	.7338912	.4123461	.6856329

#1	5254.553	78431.69	7717.281	5379.370	5951.190
#2	5307.168	78437.71	7697.684	5423.440	6006.175
#3	5248.353	78835.86	7611.404	5407.112	5926.299

Sample Name: CCB04 Acquired: 7/1/2025 17:30:55 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008256	-.000045	-.000696	.0028991	.0000367	-.007100
Stddev	.0012271	.000525	.001466	.0043783	.0026489	.002307
%RSD	148.6347	1153.335	210.6062	151.0225	7215.084	32.49395

#1	.0022403	.000110	.000985	.0076873	-.002981	-.009094
#2	.0000478	-.000630	-.001363	-.000900	.001113	-.007633
#3	.0001888	.000384	-.001710	.001911	.001978	-.004573

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.015519	-.000000	.0000189	.0077979	.0003287	.0000079
Stddev	.003026	.000040	.0000749	.0059605	.0004546	.0001753
%RSD	19.50000	32070.11	396.1888	76.43671	138.2977	2216.859

#1	-.012182	.000041	-.000045	.0049686	.0002156	-.000106
#2	-.018085	-.000040	.000000	.0146461	-.000059	-.000080
#3	-.016291	-.000002	.000101	.0037790	.000829	.000210

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000358	-.001497	.0002242	-.002106	-.000016	.0000839
Stddev	.000171	.003308	.0004123	.019432	.000155	.0001994
%RSD	47.78974	220.9259	183.9184	922.7461	967.6645	237.7816

#1	-.000163	.001362	.0005769	-.003318	.000136	-.000070
#2	-.000429	-.005120	.0003248	.017904	-.000010	.000309
#3	-.000483	-.000734	-.000229	-.020903	-.000174	.000012

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1539723	.0008338	.0029864	.0475122	.0044326	.0006746
Stddev	.0065718	.0013034	.0003534	.0511409	.0006736	.0000255
%RSD	4.268162	156.3257	11.83415	107.6375	15.19578	3.785364

#1	.1615489	-.000375	.0032053	.1049334	.0046742	.0006664
#2	.1498166	.000661	.0025786	.0068647	.0049521	.0007033
#3	.1505515	.002215	.0031751	.0307383	.0036716	.0006542

Sample Name: CCB04 Acquired: 7/1/2025 17:30:55 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002650	.0013254	.0042831	.0048239	.0011604	F .0108804
Stddev	.000543	.0001786	.0113545	.0013150	.0007156	.0006020
%RSD	20.50183	13.47755	265.0968	27.26123	61.66968	5.533087

#1	-.002840	.0014534	.0060981	.0051129	.0019770	.0106052
#2	-.003072	.0011213	-.007869	.0033884	.0006424	.0115709
#3	-.002037	.0014015	.014621	.0059704	.0008618	.0104652

Elem	Sr4077
Units	ppm
Avg	.0000212
Stddev	.0000570
%RSD	268.4589

#1	.0000844
#2	.0000056
#3	-.000026

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5612.845	79822.68	8099.769	5535.019	6750.902
Stddev	26.215	324.34	33.381	20.331	25.694
%RSD	.4670606	.4063291	.4121203	.3673218	.3806000

#1	5620.418	79449.05	8061.840	5511.828	6766.797
#2	5634.440	80031.88	8112.791	5543.457	6764.650
#3	5583.677	79987.10	8124.676	5549.774	6721.259

Sample Name: Q2429-01 Acquired: 7/1/2025 17:35:14 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0601767	-.019473	.1905762	.0648629	-.000990	155.0861	.7909524
Stddev	.0007607	.001420	.0019631	.0013267	.003691	.3090	.0028543
%RSD	1.264177	7.292368	1.030113	2.045457	372.7007	.1992269	.3608624

#1	.0608700	-.019811	.1920018	.0661634	.001744	154.8694	.7885303
#2	.0593629	-.017915	.1883371	.0649138	-.005188	154.9490	.7902278
#3	.0602972	-.020694	.1913897	.0635114	.000473	155.4399	.7940991

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118142	-.004621	23.52050	.2340210	.1430201	.8838061	290.5854
Stddev	.0001027	.000138	.02389	.0004251	.0001442	.0007386	1.2760
%RSD	.8696035	2.988512	.1015791	.1816476	.1008524	.0835672	.4391051

#1	.0119309	-.004570	23.50250	.2344931	.1430799	.8831666	290.1508
#2	.0117742	-.004777	23.54761	.2336687	.1428555	.8836371	292.0219
#3	.0117374	-.004515	23.51139	.2339011	.1431248	.8846145	289.5834

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.379420	58.47487	.2778757	.0125622	7.051712	.3764525	.6018213
Stddev	.013054	.08589	.0004612	.0003965	.052299	.0012478	.0007597
%RSD	.2046259	.1468861	.1659602	3.155887	.7416538	.3314620	.1262286

#1	6.372643	58.44988	.2783701	.0121527	7.021379	.3756129	.6009961
#2	6.371148	58.40424	.2774571	.0129442	7.112102	.3758582	.6019763
#3	6.394468	58.57048	.2778000	.0125897	7.021655	.3778863	.6024916

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.89239	.5335989	.0020764	.0186195	5.917101	11.31146	6.274267
Stddev	.03310	.0060784	.0002244	.0008738	.007319	.07938	.007322
%RSD	.1752105	1.139128	10.80837	4.692775	.1236951	.7017602	.1166959

#1	18.87127	.5302541	.0018605	.0194410	5.909617	11.24564	6.268556
#2	18.93054	.5406151	.0023085	.0187160	5.924243	11.39961	6.282521
#3	18.87536	.5299275	.0020601	.0177015	5.917444	11.28911	6.271723

Sample Name: Q2429-01 Acquired: 7/1/2025 17:35:14 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.167737	.3526822	-.149153
Stddev	.001703	.0010992	.001541
%RSD	.1458141	.3116704	1.033049

#1	1.166287	.3516687	-.149049
#2	1.167312	.3538506	-.150743
#3	1.169612	.3525271	-.147666

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6544.610	93713.52	9972.469	6544.804	5891.306
Stddev	18.811	65.41	44.913	11.047	5.882
%RSD	.2874208	.0698024	.4503720	.1687851	.0998458

#1	6564.052	93663.47	9949.905	6556.716	5895.323
#2	6526.502	93689.55	10024.19	6542.797	5884.555
#3	6543.276	93787.54	9943.31	6534.898	5894.042

Sample Name: Q2430-01 Acquired: 7/1/2025 17:39:17 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0214796	-.006505	.1947668	.0736345	-.000784	156.4595	1.930314
Stddev	.0014261	.003153	.0011444	.0036824	.002314	.0893	.005160
%RSD	6.639575	48.46994	.5875583	5.000956	295.1473	.0570856	.2673062

#1	.0218962	-.004708	.1959612	.0706219	-.001951	156.3758	1.927363
#2	.0198915	-.004662	.1946592	.0777395	.001881	156.4491	1.936272
#3	.0226510	-.010146	.1936800	.0725420	-.002283	156.5536	1.927308

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0139686	-.004845	18.11400	.2574301	.1872960	.3786192	354.9256
Stddev	.0001654	.000326	.05340	.0001260	.0008651	.0022883	1.2259
%RSD	1.183912	6.720696	.2947820	.0489356	.4618622	.6043690	.3453955

#1	.0141480	-.004910	18.07330	.2574585	.1869801	.3775026	355.0223
#2	.0138222	-.005133	18.09424	.2575394	.1866332	.3771036	356.1003
#3	.0139355	-.004492	18.17446	.2572923	.1882746	.3812514	353.6543

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.95996	72.28206	.4174500	.0130206	6.775526	.3506157	.8269635
Stddev	.02672	.03067	.0012887	.0005613	.018961	.0019966	.0007302
%RSD	.1673958	.0424331	.3086976	4.311280	.2798385	.5694481	.0882931

#1	15.98262	72.28464	.4165852	.0130192	6.783500	.3526179	.8276654
#2	15.93050	72.25018	.4168336	.0135826	6.789198	.3506044	.8262081
#3	15.96675	72.31136	.4189310	.0124599	6.753881	.3486248	.8270171

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.52094	.6792034	.0063848	.0167098	4.264423	6.050373	5.248834
Stddev	.05300	.0038377	.0003702	.0003204	.011213	.028331	.023899
%RSD	.1858453	.5650256	5.797529	1.917282	.2629524	.4682531	.4553169

#1	28.48695	.6794011	.0061948	.0167710	4.256897	6.069476	5.232668
#2	28.58201	.6829384	.0061483	.0163633	4.277311	6.063820	5.237548
#3	28.49385	.6752707	.0068114	.0169952	4.259062	6.017822	5.276286

Sample Name: Q2430-01 Acquired: 7/1/2025 17:39:17 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2686656	.5987985	-.201982
Stddev	.0017222	.0030553	.001310
%RSD	.6410028	.5102449	.6485147

#1	.2706532	.5953851	-.201849
#2	.2676167	.6012775	-.203353
#3	.2677271	.5997330	-.200743

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6367.134	91532.04	9428.032	6402.728	5860.194
Stddev	14.096	328.12	51.151	10.896	18.773
%RSD	.2213908	.3584791	.5425424	.1701767	.3203485

#1	6382.983	91220.83	9401.843	6390.748	5878.562
#2	6362.422	91874.80	9486.975	6412.048	5860.981
#3	6355.998	91500.49	9395.280	6405.386	5841.040

Sample Name: Q2436-01 Acquired: 7/1/2025 17:43:20 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0918748	-.004287	.1118235	.0541810	-.002309	166.1731	1.267088
Stddev	.0010037	.001179	.0010398	.0072008	.000802	.1804	.003345
%RSD	1.092513	27.50896	.9298849	13.29034	34.75504	.1085668	.2640009

#1	.0918788	-.005148	.1106250	.0467117	-.002954	166.2875	1.265788
#2	.0928765	-.002943	.1124846	.0610793	-.001410	165.9652	1.264589
#3	.0908690	-.004770	.1123611	.0547520	-.002562	166.2667	1.270888

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105368	-.008386	5.980925	.1332794	.0389150	.0346300	233.5766
Stddev	.0001515	.000156	.024876	.0009614	.0003340	.0005293	1.5544
%RSD	1.437470	1.862990	.4159219	.7213616	.8582510	1.528495	.6654891

#1	.0104307	-.008358	5.970154	.1332878	.0387175	.0346880	233.9180
#2	.0104695	-.008245	5.963249	.1323137	.0393006	.0351279	231.8799
#3	.0107103	-.008554	6.009371	.1342365	.0387269	.0340741	234.9320

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.323336	3.816173	.0578531	.0104502	4.413028	.3699452	.1529244
Stddev	.004156	.020393	.0002049	.0006207	.030755	.0022998	.0008320
%RSD	.3140198	.5343792	.3542274	5.939133	.6969206	.6216453	.5440531

#1	1.327358	3.794655	.0580618	.0100137	4.439378	.3703061	.1537811
#2	1.319059	3.818648	.0576522	.0101761	4.379234	.3674863	.1528725
#3	1.323589	3.835215	.0578452	.0111606	4.420472	.3720431	.1521195

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.897315	.4143236	-.000042	.0091445	1.752522	11.11914	3.079640
Stddev	.049009	.0060692	.000216	.0006155	.006167	.07012	.010735
%RSD	1.257507	1.464850	517.1180	6.730297	.3518675	.6306432	.3485652

#1	3.935222	.4158466	.000196	.0084989	1.753795	11.12463	3.072846
#2	3.841972	.4076380	-.000096	.0092100	1.745819	11.04643	3.074058
#3	3.914750	.4194864	-.000225	.0097246	1.757953	11.18635	3.092015

Sample Name: Q2436-01 Acquired: 7/1/2025 17:43:20 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6539700	.1438480	.1092729
Stddev	.0025767	.0002639	.0019161
%RSD	.3940123	.1834473	1.753523

#1	.6510080	.1438009	.1100018
#2	.6552080	.1441322	.1107175
#3	.6556941	.1436108	.1070992

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6320.370	88456.87	9423.425	6229.994	6314.783
Stddev	15.764	501.08	23.439	9.242	11.202
%RSD	.2494183	.5664666	.2487354	.1483430	.1773999

#1	6335.385	88593.39	9435.968	6219.472	6317.150
#2	6303.951	88875.54	9437.924	6233.715	6302.587
#3	6321.774	87901.68	9396.383	6236.795	6324.613

Sample Name: Q2436-02 Acquired: 7/1/2025 17:47:24 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1167026	.0106904	.5837967	.0908722	-.004844	63.51341	.1145633
Stddev	.0017873	.0005329	.0033471	.0035311	.000782	.35609	.0019725
%RSD	1.531460	4.985147	.5733289	3.885748	16.14813	.5606455	1.721762

#1	.1148003	.0102408	.5819838	.0949251	-.005604	63.90641	.1158896
#2	.1169609	.0105513	.5817472	.0892309	-.004042	63.42161	.1155037
#3	.1183467	.0112791	.5876592	.0884604	-.004885	63.21221	.1122965

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070118	-.018347	7.349006	.1713001	.0080217	.0262144	382.6334
Stddev	.0000489	.000293	.013366	.0024057	.0001760	.0005879	1.6242
%RSD	.6979545	1.598362	.1818754	1.404385	2.193906	2.242729	.4244889

#1	.0070623	-.018319	7.359816	.1706974	.0078900	.0260597	381.7658
#2	.0069646	-.018653	7.334061	.1739499	.0079534	.0257193	384.5073
#3	.0070085	-.018068	7.353142	.1692531	.0082215	.0268642	381.6274

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1541422	3.707605	.0237661	.0170531	6.595588	.3467567	.1495559
Stddev	.0014925	.040639	.0001553	.0007703	.039237	.0033085	.0015650
%RSD	.9682850	1.096093	.6534478	4.517088	.5948975	.9541364	1.046410

#1	.1558654	3.738670	.0237723	.0179001	6.565268	.3503831	.1481108
#2	.1532562	3.722531	.0236078	.0163943	6.639904	.3459843	.1512181
#3	.1533050	3.661614	.0239182	.0168649	6.581593	.3439027	.1493389

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.823106	.7083810	.0014778	.0102132	.8894763	10.40406	4.183941
Stddev	.023546	.0027998	.0001008	.0006147	.0032335	.04219	.013537
%RSD	.3009773	.3952356	6.821250	6.019187	.3635288	.4054841	.3235365

#1	7.833454	.7074122	.0013843	.0109179	.8931647	10.41300	4.189220
#2	7.839705	.7115366	.0015846	.0099349	.8881346	10.44107	4.168560
#3	7.796158	.7061943	.0014644	.0097868	.8871296	10.35813	4.194043

Sample Name: Q2436-02 Acquired: 7/1/2025 17:47:24 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.8847672	.1944921	-.321649
Stddev	.0082862	.0005153	.001679
%RSD	.9365396	.2649242	.5218498

#1	.8803385	.1941588	-.320617
#2	.8796364	.1950856	-.323586
#3	.8943267	.1942320	-.320745

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5702.758	79152.76	8476.917	5547.911	6346.901
Stddev	6.592	810.43	95.101	48.673	15.570
%RSD	.1155883	1.023887	1.121884	.8773160	.2453163

#1	5708.633	79222.44	8421.903	5574.413	6358.628
#2	5704.012	78309.74	8422.118	5491.739	6352.840
#3	5695.630	79926.11	8586.731	5577.582	6329.236

Sample Name: Q2436-03 Acquired: 7/1/2025 17:51:29 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0321126	-.005047	.0812903	.0340527	-.001106	79.49820	.2179438
Stddev	.0012458	.001398	.0020211	.0040199	.000503	.12198	.0020550
%RSD	3.879459	27.69264	2.486280	11.80504	45.46007	.1534423	.9428957

#1	.0308446	-.006403	.0794520	.0323971	-.001151	79.38203	.2160604
#2	.0321583	-.005127	.0809644	.0386360	-.000582	79.48731	.2176356
#3	.0333350	-.003611	.0834546	.0311249	-.001585	79.62526	.2201355

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051106	-.004903	3.484472	.1021998	.0209774	.0458272	139.3882
Stddev	.0000662	.000591	.012136	.0003843	.0005714	.0025183	1.4988
%RSD	1.295747	12.06382	.3482790	.3760404	2.723985	5.495257	1.075247

#1	.0051368	-.005302	3.483650	.1017963	.0204536	.0436721	140.7678
#2	.0050353	-.005183	3.472769	.1022417	.0208918	.0452141	139.6034
#3	.0051598	-.004223	3.496998	.1025615	.0215868	.0485955	137.7935

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1848899	3.614932	.0498669	.0056705	4.730070	.2325665	.1490520
Stddev	.0003306	.007943	.0009646	.0003052	.067827	.0015294	.0009571
%RSD	.1788298	.2197377	1.934368	5.381798	1.433962	.6576188	.6421013

#1	.1849147	3.606155	.0489643	.0057614	4.787239	.2338866	.1485167
#2	.1845475	3.621627	.0497530	.0059199	4.747846	.2308906	.1484824
#3	.1852073	3.617016	.0508834	.0053302	4.655124	.2329223	.1501570

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.573312	.2441675	.0014217	.0079955	1.275131	9.834173	2.058078
Stddev	.024628	.0062580	.0002689	.0005954	.004064	.101173	.050527
%RSD	.6892109	2.562982	18.91330	7.446199	.3187325	1.028788	2.455082

#1	3.601726	.2473855	.0011224	.0073302	1.271946	9.935336	2.023859
#2	3.560098	.2481617	.0016429	.0084780	1.273738	9.834193	2.034263
#3	3.558111	.2369553	.0014998	.0081783	1.279708	9.732990	2.116112

Sample Name: Q2436-03 Acquired: 7/1/2025 17:51:29 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7531250	.0956636	-.096387
Stddev	.0168706	.0020729	.001395
%RSD	2.240082	2.166840	1.447789

#1	.7394505	.0961963	-.097739
#2	.7479465	.0933764	-.096471
#3	.7719778	.0974182	-.094951

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5658.078	86608.12	8840.003	6037.790	5979.856
Stddev	103.425	230.66	128.712	21.699	117.451
%RSD	1.827917	.2663297	1.456017	.3593840	1.964110

#1	5716.168	86871.36	8956.975	6058.782	6048.586
#2	5719.399	86511.65	8860.920	6039.140	6046.743
#3	5538.668	86441.36	8702.113	6015.448	5844.240

Sample Name: Q2436-04 Acquired: 7/1/2025 18:01:55 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1213644	.0099706	.0772798	.1013598	-.001719	88.60196	.2978755
Stddev	.0021920	.0009846	.0007832	.0049394	.001250	.38401	.0029508
%RSD	1.806119	9.874474	1.013410	4.873132	72.73129	.4334125	.9906093

#1	.1189106	.0098218	.0775075	.0960962	-.002666	88.23266	.2961453
#2	.1220535	.0110211	.0764081	.1058938	-.000302	88.99916	.3012826
#3	.1231290	.0090690	.0779239	.1020893	-.002188	88.57406	.2961985

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0142468	-.019679	6.869377	.2831829	.0827158	-.027312	488.6631
Stddev	.0000881	.000247	.046220	.0007774	.0001106	.001226	1.2017
%RSD	.6183005	1.255258	.6728382	.2745388	.1336455	4.490545	.2459229

#1	.0143351	-.019916	6.816620	.2827343	.0826184	-.026105	487.2833
#2	.0142464	-.019699	6.888773	.2827338	.0826930	-.028557	489.4811
#3	.0141590	-.019423	6.902739	.2840806	.0828359	-.027274	489.2248

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.429282	5.491533	.0635316	.0223561	8.522767	.4507117	.3099663
Stddev	.006136	.033099	.0005392	.0005986	.047577	.0060957	.0011415
%RSD	.4293345	.6027247	.8486487	2.677462	.5582381	1.352452	.3682489

#1	1.422599	5.454539	.0632980	.0216974	8.478607	.4465594	.3111218
#2	1.434662	5.501719	.0631486	.0225044	8.516545	.4577098	.3088394
#3	1.430586	5.518342	.0641481	.0228666	8.573149	.4478658	.3099377

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.78226	.9402665	-.000614	.0088670	1.233221	8.424026	7.707227
Stddev	.11724	.0078905	.000375	.0006212	.007785	.044657	.017930
%RSD	.7428555	.8391785	61.01805	7.005746	.6313104	.5301119	.2326410

#1	15.67344	.9313358	-.000629	.0094254	1.224511	8.373286	7.727256
#2	15.76692	.9462947	-.000232	.0081979	1.239503	8.457351	7.701757
#3	15.90641	.9431690	-.000981	.0089778	1.235651	8.441442	7.692670

Sample Name: Q2436-04 Acquired: 7/1/2025 18:01:55 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.172890	.2199539	-.444522
Stddev	.006116	.0018132	.000927
%RSD	.2814603	.8243519	.2084816

#1	2.167730	.2178787	-.443459
#2	2.171294	.2207514	-.445161
#3	2.179645	.2212317	-.444945

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5767.801	83246.74	9053.314	5866.541	5994.546
Stddev	7.525	149.99	22.322	28.987	17.083
%RSD	.1304668	.1801755	.2465645	.4941057	.2849718

#1	5776.449	83170.52	9028.570	5863.579	5981.112
#2	5762.747	83419.53	9059.434	5896.895	6013.772
#3	5764.207	83150.16	9071.938	5839.148	5988.755

Sample Name: Q2436-05 Acquired: 7/1/2025 18:05:58 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0470618	-.000147	.0936176	.0667607	-.002808	102.6255	.2436130
Stddev	.0019716	.001918	.0007876	.0049279	.001322	.1226	.0007679
%RSD	4.189444	1303.321	.8413245	7.381375	47.07796	.1195073	.3151929

#1	.0486648	-.002347	.0928126	.0612968	-.001357	102.7602	.2444927
#2	.0448602	.000727	.0943867	.0681169	-.003944	102.5203	.2430772
#3	.0476603	.001178	.0936535	.0708685	-.003123	102.5959	.2432690

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089557	-.011638	6.758917	.1415949	.0464324	.0449677	284.0653
Stddev	.0003401	.000530	.016355	.0009168	.0002865	.0011351	4.3683
%RSD	3.797274	4.555135	.2419796	.6475170	.6170109	2.524180	1.537764

#1	.0093238	-.011026	6.740287	.1413044	.0461280	.0461920	279.1465
#2	.0086533	-.011966	6.770913	.1408585	.0466968	.0447607	285.5574
#3	.0088898	-.011921	6.765550	.1426218	.0464724	.0439503	287.4920

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5478549	6.595668	.0734430	.0138427	3.376685	.2930018	.2767139
Stddev	.0020247	.023201	.0000754	.0016871	.061462	.0023963	.0007399
%RSD	.3695672	.3517666	.1026325	12.18775	1.820200	.8178580	.2673944

#1	.5498646	6.616623	.0733753	.0119641	3.306692	.2944753	.2775674
#2	.5458155	6.570735	.0734295	.0143353	3.401516	.2902367	.2763200
#3	.5478846	6.599645	.0735242	.0152287	3.421848	.2942934	.2762543

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.030379	.5107586	.0007160	.0062243	2.502039	4.248606	4.000245
Stddev	.078536	.0167388	.0002616	.0007539	.002298	.071746	.028337
%RSD	1.948599	3.277247	36.54116	12.11230	.0918556	1.688685	.7083766

#1	3.940098	.4916149	.0006886	.0064904	2.502096	4.165982	3.974498
#2	4.068102	.5180225	.0004691	.0068090	2.499712	4.284687	3.995631
#3	4.082936	.5226384	.0009902	.0053734	2.504308	4.295149	4.030605

Sample Name: Q2436-05 Acquired: 7/1/2025 18:05:58 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3696755	.1495083	-.241563
Stddev	.0038902	.0020680	.004185
%RSD	1.052318	1.383227	1.732465

#1	.3711283	.1478316	-.236840
#2	.3652680	.1488742	-.243044
#3	.3726301	.1518192	-.244807

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5938.870	86716.99	9277.291	5971.353	6283.052
Stddev	8.842	634.31	105.773	29.891	9.667
%RSD	.1488872	.7314707	1.140123	.5005815	.1538591

#1	5949.077	87233.17	9162.173	5986.456	6293.910
#2	5933.547	86908.92	9370.187	5990.678	6279.865
#3	5933.986	86008.88	9299.515	5936.923	6275.381

Sample Name: Q2436-06 Acquired: 7/1/2025 18:10:02 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0791558	.0021451	.0924528	.0911948	.0033868	164.9265	.3947845
Stddev	.0007622	.0027377	.0012735	.0018027	.0026371	.1577	.0017550
%RSD	.9628768	127.6272	1.377490	1.976729	77.86262	.0956376	.4445411

#1	.0793523	-.000822	.0936475	.0913014	.0024599	165.0407	.3928941
#2	.0798005	.004574	.0911129	.0929418	.0063622	164.7465	.3950974
#3	.0783146	.002683	.0925982	.0893412	.0013384	164.9924	.3963620

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0123216	-.016289	4.311792	.2470422	.0591823	.0215167	371.7687
Stddev	.0002232	.000500	.016768	.0007639	.0005147	.0012182	3.1917
%RSD	1.811232	3.068193	.3888788	.3092034	.8696831	5.661415	.8585126

#1	.0124164	-.015915	4.310030	.2476340	.0597552	.0226089	371.9447
#2	.0120666	-.016857	4.329372	.2461799	.0587589	.0202030	374.8687
#3	.0124817	-.016095	4.295976	.2473128	.0590328	.0217382	368.4926

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.087385	5.201335	.0931927	.0177769	1.563842	.3898527	.2736400
Stddev	.005015	.029631	.0008421	.0012478	.027285	.0024004	.0008153
%RSD	.4611739	.5696712	.9035555	7.018991	1.744727	.6157303	.2979590

#1	1.087818	5.185127	.0941278	.0177191	1.557724	.3900708	.2730115
#2	1.082168	5.183346	.0924946	.0190525	1.593666	.3921367	.2733471
#3	1.092169	5.235534	.0929556	.0165589	1.540135	.3873507	.2745613

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.259641	.6711575	-.000039	.0116822	2.806885	6.416387	5.640712
Stddev	.070658	.0136933	.000217	.0005926	.007536	.070387	.037434
%RSD	.9733050	2.040252	553.2761	5.072461	.2684803	1.096993	.6636328

#1	7.297833	.6717272	.000195	.0114744	2.810830	6.439609	5.683687
#2	7.302984	.6845571	-.000079	.0112215	2.811630	6.472229	5.615213
#3	7.178106	.6571883	-.000233	.0123507	2.798196	6.337323	5.623234

Sample Name: Q2436-06 Acquired: 7/1/2025 18:10:02 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.8877639	.1880578	-.339553
Stddev	.0107323	.0013934	.003050
%RSD	1.208914	.7409394	.8982513

#1	.8974583	.1865219	-.339731
#2	.8762311	.1884107	-.342510
#3	.8896021	.1892409	-.336418

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5822.396	81328.32	8700.558	5693.981	6281.618
Stddev	23.731	48.89	91.839	20.516	32.382
%RSD	.4075728	.0601173	1.055554	.3603018	.5154964

#1	5795.223	81272.22	8701.200	5717.520	6244.517
#2	5832.925	81350.85	8792.075	5684.523	6304.189
#3	5839.041	81361.88	8608.400	5679.901	6296.149

Sample Name: Q2436-07 Acquired: 7/1/2025 18:14:06 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0980535	.0027910	.1185509	.0956064	-.000979	175.7150	.2893570
Stddev	.0019828	.0007876	.0021535	.0052956	.001520	.4762	.0021015
%RSD	2.022179	28.22038	1.816488	5.538985	155.2877	.2710073	.7262694

#1	.0971679	.0018827	.1168652	.0994875	-.000128	175.2725	.2885813
#2	.1003247	.0032846	.1178107	.0895736	-.002733	176.2190	.2877536
#3	.0966677	.0032057	.1209769	.0977581	-.000075	175.6536	.2917361

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0152783	-.017638	5.528268	.3033199	.0975744	.0037273	422.4093
Stddev	.0001554	.000345	.033109	.0002564	.0000809	.0021595	2.9065
%RSD	1.017111	1.954983	.5989099	.0845158	.0829320	57.93832	.6880830

#1	.0152386	-.017985	5.545444	.3030734	.0974857	.0017082	425.0209
#2	.0151466	-.017635	5.549259	.3035851	.0976441	.0034696	422.9291
#3	.0154497	-.017295	5.490100	.3033012	.0975935	.0060041	419.2780

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.034749	6.330480	.1392020	.0185234	9.675829	.3919981	.3291026
Stddev	.001579	.045310	.0007111	.0007744	.082561	.0012553	.0017316
%RSD	.1526147	.7157368	.5108566	4.180850	.8532677	.3202231	.5261529

#1	1.033020	6.283679	.1392406	.0192011	9.752763	.3906914	.3272440
#2	1.035110	6.333627	.1384724	.0186899	9.686119	.3921082	.3293934
#3	1.036116	6.374134	.1398931	.0176793	9.588606	.3931947	.3306703

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.023998	.7766696	-.000047	.0106875	2.900231	12.62456	7.764385
Stddev	.067570	.0126486	.000090	.0012153	.011402	.18405	.016035
%RSD	.9619938	1.628563	192.4106	11.37159	.3931292	1.457895	.2065174

#1	7.077929	.7895915	-.000149	.0107558	2.890982	12.75217	7.750933
#2	7.045862	.7761037	-.000013	.0094394	2.912970	12.70794	7.760094
#3	6.948203	.7643134	.000021	.0118672	2.896741	12.41358	7.782129

Sample Name: Q2436-07 Acquired: 7/1/2025 18:14:06 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4637763	.2175880	-.386896
Stddev	.0025852	.0012137	.002772
%RSD	.5574174	.5577967	.7165602

#1	.4666855	.2172495	-.389424
#2	.4617425	.2189350	-.387332
#3	.4629008	.2165794	-.383931

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5758.746	81762.92	8852.439	5792.238	6051.198
Stddev	13.897	280.40	65.759	12.333	13.128
%RSD	.2413196	.3429412	.7428342	.2129195	.2169427

#1	5771.753	81726.52	8928.318	5804.696	6060.673
#2	5760.381	81502.49	8816.948	5780.034	6056.708
#3	5744.104	82059.74	8812.050	5791.984	6036.213

Sample Name: Q2436-08 Acquired: 7/1/2025 18:18:10 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0498003	-.003684	.1427847	.0796908	-.000835	218.3078	.4574131
Stddev	.0021010	.002590	.0022557	.0056577	.002839	2.1064	.0011320
%RSD	4.218922	70.30449	1.579759	7.099628	339.8615	.9648645	.2474769

#1	.0515646	-.006619	.1402373	.0742248	.000897	218.6325	.4574347
#2	.0503604	-.002716	.1445285	.0855225	-.004112	216.0579	.4562705
#3	.0474760	-.001717	.1435883	.0793251	.000708	220.2329	.4585342

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0133368	-.008844	6.207940	.1436990	.1113562	.0209905	326.2036
Stddev	.0001429	.000645	.009408	.0008180	.0001363	.0011152	2.8526
%RSD	1.071432	7.297707	.1515511	.5692831	.1223847	5.312807	.8744783

#1	.0132710	-.009378	6.217879	.1433903	.1114227	.0199857	327.9188
#2	.0132388	-.009026	6.206768	.1430803	.1114464	.0207954	327.7812
#3	.0135008	-.008127	6.199172	.1446265	.1111994	.0221903	322.9107

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.359493	5.044047	.1395187	.0140254	3.288269	.2932696	.3799757
Stddev	.004701	.006008	.0004752	.0010821	.032478	.0003942	.0008343
%RSD	.3458025	.1191171	.3405917	7.715044	.9876792	.1343972	.2195559

#1	1.355952	5.041539	.1393712	.0141626	3.311457	.2931419	.3807775
#2	1.357700	5.050904	.1400501	.0150324	3.302201	.2929551	.3791124
#3	1.364827	5.039700	.1391347	.0128813	3.251150	.2937117	.3800370

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.969812	.5788098	.0020483	.0122022	3.131795	7.824603	5.247574
Stddev	.056929	.0103518	.0001173	.0004393	.003573	.062073	.016421
%RSD	1.145498	1.788461	5.725170	3.599839	.1141012	.7932992	.3129163

#1	4.991087	.5851675	.0021344	.0117468	3.127927	7.859963	5.233995
#2	5.013039	.5843971	.0019147	.0126232	3.134973	7.860915	5.242903
#3	4.905309	.5668649	.0020957	.0122366	3.132485	7.752930	5.265824

Sample Name: Q2436-08 Acquired: 7/1/2025 18:18:10 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By: jasw
 On: 7/2/2025 4:45:
 PM
 Inst Id : P4
 LB : LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4445393	.1652041	-.288022
Stddev	.0032576	.0021619	.002667
%RSD	.7328026	1.308599	.9260532

#1	.4412199	.1660566	-.289633
#2	.4446667	.1668099	-.289490
#3	.4477313	.1627460	-.284943

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6477.275	92301.88	9917.400	6509.173	6123.900
Stddev	8.637	147.53	107.265	21.398	9.892
%RSD	.1333379	.1598363	1.081583	.3287406	.1615366

#1	6487.216	92154.28	9979.554	6484.879	6132.523
#2	6472.994	92449.35	9979.104	6517.418	6113.101
#3	6471.614	92302.00	9793.541	6525.222	6126.077

Sample Name: CCV05 Acquired: 7/1/2025 18:27:05 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.293715	4.778498	4.869107	5.443325	5.380452	9.528130	9.750152
Stddev	.016431	.089989	.009696	.032938	.023610	.042999	.055176
%RSD	.3103837	1.883204	.1991274	.6051103	.4388030	.4512873	.5658949

#1	5.280508	4.749245	4.860583	5.416571	5.358697	9.508187	9.686560
#2	5.288521	4.706776	4.867083	5.433291	5.377100	9.498723	9.785324
#3	5.312115	4.879474	4.879655	5.480113	5.405558	9.577480	9.778571

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2309778	2.414496	23.54061	.9486195	2.454959	1.269476	4.986171
Stddev	.0026449	.004240	.04125	.0019185	.006356	.002461	.032677
%RSD	1.145097	.1756096	.1752272	.2022403	.2589200	.1938501	.6553599

#1	.2284331	2.412211	23.51051	.9508347	2.449848	1.266716	5.023820
#2	.2307878	2.411888	23.52370	.9474969	2.452952	1.270269	4.965169
#3	.2337126	2.419388	23.58763	.9475269	2.462076	1.271442	4.969524

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.397832	24.60223	2.454073	1.241875	27.34551	2.370966	2.532180
Stddev	.007320	.13192	.004976	.001610	.26186	.004962	.004114
%RSD	.3052840	.5362027	.2027817	.1296655	.9575933	.2092687	.1624804

#1	2.390281	24.50928	2.449510	1.243474	27.62466	2.370495	2.535255
#2	2.398318	24.54420	2.453330	1.241898	27.30655	2.366257	2.533780
#3	2.404897	24.75322	2.459379	1.240253	27.10531	2.376146	2.527507

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.08825	4.773154	5.129474	4.829435	4.775743	4.961176	4.814383
Stddev	.16320	.051795	.015266	.017570	.016589	.014331	.009125
%RSD	.6505231	1.085140	.2976121	.3638102	.3473550	.2888637	.1895435

#1	25.27670	4.718230	5.116676	4.819116	4.760275	4.977654	4.810396
#2	24.99323	4.780117	5.125375	4.819467	4.773693	4.954256	4.807930
#3	24.99482	4.821116	5.146371	4.849722	4.793262	4.951618	4.824823

Sample Name: CCV05 Acquired: 7/1/2025 18:27:05 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.099541	4.942674	4.965740
Stddev	.035932	.004828	.040701
%RSD	.7046078	.0976851	.8196337

#1	5.077468	4.938688	4.920384
#2	5.080153	4.941292	4.999079
#3	5.141003	4.948043	4.977758

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5226.131	78002.72	7908.407	5288.067	5956.271
Stddev	3.544	266.04	66.014	26.017	3.361
%RSD	.0678085	.3410684	.8347300	.4919947	.0564241

#1	5227.821	77837.40	7982.228	5274.584	5960.031
#2	5222.059	77861.15	7887.948	5271.558	5955.224
#3	5228.514	78309.62	7855.045	5318.058	5953.559

Sample Name: CCB05 Acquired: 7/1/2025 18:39:50 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010732	.0005799	-.000004	.0003567	-.003017	-.003620	-.020601
Stddev	.0011472	.0008128	.000831	.0025397	.001208	.004040	.001121
%RSD	106.8979	140.1773	18989.12	712.0786	40.03979	111.6065	5.440882

#1	.0013673	-.000035	.000629	-.002364	-.004391	-.008265	-.021517
#2	-.000192	.000274	.000304	.002665	-.002534	-.000914	-.019351
#3	.002045	.001501	-.000946	.000768	-.002125	-.001683	-.020936

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000072	.0000153	.0630819	.0001081	-.000148	-.000540	.0063056
Stddev	.000040	.0000251	.0084748	.0001698	.000248	.000061	.0014990
%RSD	54.72950	164.0599	13.43460	157.0473	168.0056	11.35698	23.77311

#1	-.000096	.0000063	.0728447	.0002883	.000108	-.000582	.0071847
#2	-.000027	.0000436	.0576192	-.000049	-.000388	-.000567	.0071573
#3	-.000095	-.000004	.0587818	.000085	-.000163	-.000470	.0045747

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000301	-.020369	.0001659	-.000129	.0936700	-.000524	.0002190
Stddev	.000178	.006741	.0001505	.000334	.0052993	.001087	.0000958
%RSD	59.17997	33.09340	90.76051	258.7412	5.657393	207.5993	43.73530

#1	-.000262	-.015485	.0000488	-.000174	.0882661	-.001503	.0003297
#2	-.000146	-.017561	.0003357	.000225	.0988581	.000646	.0001620
#3	-.000496	-.028059	.0001131	-.000438	.0938859	-.000713	.0001655

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0245202	.0000064	-.000028	.0006127	.0007955	.0036750	.0061544
Stddev	.0208398	.0004280	.000114	.0001933	.0008092	.0137508	.0017479
%RSD	84.99056	6679.358	413.8214	31.55481	101.7130	374.1702	28.40077

#1	.0041344	.0004965	-.000008	.0007624	.0016417	.0040512	.0042840
#2	.0236399	-.000294	.000075	.0003944	.0000293	-.010260	.0064329
#3	.0457862	-.000183	-.000150	.0006811	.0007156	.017234	.0077464

Sample Name: CCB05 Acquired: 7/1/2025 18:39:50 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0020912	.0081636	-.000005
Stddev	.0041591	.0014812	.000014
%RSD	198.8815	18.14336	283.8753

#1	.0044646	.0085606	-.000008
#2	.0045204	.0094059	-.000018
#3	-.002711	.0065245	.000011

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5656.451	83366.89	8366.031	5655.904	6823.823
Stddev	7.733	659.01	41.152	29.501	20.095
%RSD	.1367178	.7904877	.4918890	.5215897	.2944891

#1	5650.318	82765.38	8327.835	5623.907	6829.023
#2	5665.139	83264.02	8360.649	5661.782	6840.807
#3	5653.897	84071.29	8409.609	5682.024	6801.639

Sample Name: Q2436-09 Acquired: 7/1/2025 18:44:10 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0579456	-.005039	.1542128	.0799306	.0007087	316.4760
Stddev	.0018889	.003565	.0023457	.0048532	.0009397	2.9637
%RSD	3.259873	70.74703	1.521054	6.071710	132.6083	.9364550

#1	.0591795	-.000989	.1521086	.0848211	.0013182	315.8510
#2	.0588864	-.006426	.1537881	.0751157	-.000374	313.8748
#3	.0557710	-.007702	.1567418	.0798550	.001181	319.7024

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.382317	.0105348	-.007887	60.34695	.1543392	.0844507
Stddev	.004027	.0000735	.000440	.25037	.0003483	.0003203
%RSD	.2913484	.6973050	5.584433	.4148896	.2256643	.3792641

#1	1.386310	.0105861	-.008359	60.60073	.1546782	.0842369
#2	1.378256	.0104506	-.007816	60.10013	.1543570	.0848190
#3	1.382384	.0105677	-.007487	60.33998	.1539823	.0842964

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0666919	284.3040	1.269527	6.627800	.1668065	.0143450
Stddev	.0006272	1.3928	.002621	.059516	.0004803	.0005003
%RSD	.9404073	.4898902	.2064188	.8979699	.2879541	3.487740

#1	.0659817	285.8114	1.271459	6.696521	.1662671	.0147543
#2	.0669242	284.0356	1.270578	6.593966	.1671879	.0144936
#3	.0671697	283.0649	1.266544	6.592915	.1669646	.0137873

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.604370	.2532907	.3837706	6.198605	.5157681	.0000594
Stddev	.023113	.0008849	.0007474	.044273	.0048658	.0002711
%RSD	.3499666	.3493764	.1947423	.7142453	.9434090	456.0746

#1	6.601892	.2524790	.3835808	6.249716	.5198808	.0003180
#2	6.628622	.2542341	.3831364	6.173998	.5170269	.0000830
#3	6.582596	.2531589	.3845945	6.172102	.5103966	-.000223

Sample Name: Q2436-09 Acquired: 7/1/2025 18:44:10 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094753	3.354083	7.925144	4.652185	F 55.54240	.1643374
Stddev	.0004953	.007787	.035162	.001905	.17078	.0006875
%RSD	5.227457	.2321744	.4436758	.0409511	.3074737	.4183199

#1	.0094430	3.361616	7.956877	4.652170	55.35020	.1636200
#2	.0089970	3.346064	7.931212	4.650287	55.60029	.1649904
#3	.0099860	3.354569	7.887343	4.654097	55.67671	.1644017

Elem	Sr4077
Units	ppm
Avg	-.096084
Stddev	.001359
%RSD	1.414838

#1	-.097639
#2	-.095486
#3	-.095125

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6250.608	89383.37	9916.029	6255.104	6065.658
Stddev	9.821	287.54	38.561	8.902	10.058
%RSD	.1571230	.3216899	.3888743	.1423201	.1658171

#1	6248.665	89121.41	9884.874	6247.475	6063.692
#2	6261.255	89337.69	9959.156	6264.885	6076.554
#3	6241.903	89691.01	9904.058	6252.952	6056.729

Sample Name: Q2436-10 Acquired: 7/1/2025 18:48:19 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0205324	.0006442	.0763262	.0342639	-.004379	20.82194	.1697981
Stddev	.0013760	.0012311	.0006299	.0041573	.000837	.03269	.0001566
%RSD	6.701630	191.0938	.8252642	12.13305	19.11563	.1569762	.0922087

#1	.0207138	.0019107	.0758079	.0369412	-.003626	20.85922	.1699742
#2	.0218087	-.000548	.0761434	.0294747	-.004232	20.80834	.1696747
#3	.0190747	.000570	.0770273	.0363759	-.005280	20.79824	.1697453

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040550	-.006635	3.458960	.0603874	.0254673	.0171299	141.8678
Stddev	.0001162	.000076	.015325	.0003132	.0001238	.0004354	.7768
%RSD	2.865300	1.152312	.4430664	.5186641	.4859157	2.541996	.5475651

#1	.0039974	-.006706	3.461207	.0607490	.0254079	.0172410	142.0777
#2	.0039788	-.006645	3.473037	.0602124	.0253845	.0166497	142.5181
#3	.0041887	-.006554	3.442635	.0602008	.0256096	.0174990	141.0076

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3924198	1.660919	.0207861	.0075835	3.400253	.1802155	.1247249
Stddev	.0004661	.015616	.0002299	.0001209	.015095	.0024670	.0004549
%RSD	.1187702	.9402308	1.106037	1.593993	.4439368	1.368941	.3647264

#1	.3926725	1.647158	.0207050	.0074644	3.406607	.1788936	.1246260
#2	.3918819	1.677892	.0206076	.0077061	3.411132	.1786912	.1243276
#3	.3927049	1.657709	.0210455	.0075801	3.383020	.1830618	.1252211

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8970475	.2503022	.0006999	.0033028	.7337100	4.320437	1.077683
Stddev	.0173407	.0035137	.0001537	.0008968	.0007116	.024022	.001447
%RSD	1.933088	1.403771	21.96372	27.15212	.0969853	.5560118	.1342268

#1	.8865675	.2495351	.0008728	.0029013	.7342344	4.326737	1.076783
#2	.8875115	.2541360	.0005788	.0026768	.7339957	4.340681	1.079352
#3	.9170634	.2472354	.0006480	.0043301	.7329000	4.293892	1.076914

Sample Name: Q2436-10 Acquired: 7/1/2025 18:48:19 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.854451	.0687880	-.083136
Stddev	.009658	.0016417	.000786
%RSD	.5208030	2.386643	.9451404

#1	1.853355	.0684232	-.083394
#2	1.845387	.0705814	-.083760
#3	1.864610	.0673593	-.082253

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6026.147	84750.93	9212.829	5871.720	6683.818
Stddev	7.338	78.64	49.059	4.101	1.184
%RSD	.1217648	.0927860	.5325085	.0698399	.0177196

#1	6020.214	84701.02	9194.796	5875.825	6683.524
#2	6034.352	84841.58	9268.353	5871.711	6682.809
#3	6023.874	84710.19	9175.339	5867.624	6685.122

Sample Name: Q2436-10DUP Acquired: 7/1/2025 18:52:25 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0222456	-.001338	.0872732	.0328301	-.002750	20.76752	.1707103
Stddev	.0004126	.000526	.0026566	.0040847	.001819	.05469	.0021945
%RSD	1.854865	39.29273	3.044046	12.44198	66.15756	.2633254	1.285493

#1	.0218992	-.000959	.0866142	.0349347	-.003846	20.74516	.1708057
#2	.0221356	-.001117	.0850082	.0354334	-.000650	20.82984	.1728555
#3	.0227022	-.001938	.0901974	.0281223	-.003754	20.72755	.1684697

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043804	-.006384	3.452488	.0585099	.0345490	.0168727	144.5791
Stddev	.0000639	.000501	.020141	.0006966	.0007847	.0020886	1.2106
%RSD	1.459670	7.850431	.5833854	1.190562	2.271344	12.37856	.8373344

#1	.0043793	-.006815	3.430918	.0593069	.0344413	.0151491	145.9664
#2	.0044449	-.006503	3.470805	.0582059	.0338236	.0162735	143.7365
#3	.0043170	-.005834	3.455740	.0580170	.0353820	.0191953	144.0345

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5527979	1.542328	.0218600	.0075058	3.566283	.1895137	.1318929
Stddev	.0051291	.023043	.0005852	.0001088	.043350	.0002990	.0015237
%RSD	.9278370	1.494023	2.677212	1.449704	1.215558	.1577515	1.155241

#1	.5562715	1.516090	.0215636	.0074342	3.611265	.1898573	.1334265
#2	.5552154	1.551624	.0214823	.0076310	3.524774	.1893127	.1318728
#3	.5469068	1.559271	.0225342	.0074523	3.562809	.1893713	.1303794

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9669541	.2546562	.0007431	.0060409	.7434041	4.410915	1.129835
Stddev	.0521561	.0039247	.0001721	.0005994	.0012742	.037814	.025025
%RSD	5.393857	1.541180	23.16550	9.922723	.1713967	.8572831	2.214937

#1	1.018303	.2583781	.0005445	.0059407	.7423558	4.447689	1.114922
#2	.968533	.2505561	.0008338	.0054980	.7430343	4.372140	1.115857
#3	.914027	.2550345	.0008508	.0066842	.7448223	4.412916	1.158727

Sample Name: Q2436-10DUP Acquired: 7/1/2025 18:52:25 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.691961	.0701779	-.084416
Stddev	.045469	.0017324	.001188
%RSD	2.687343	2.468584	1.407177

#1	1.663595	.0710274	-.085740
#2	1.667883	.0681847	-.083443
#3	1.744406	.0713216	-.084065

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6007.964	86514.76	9343.436	5988.609	6543.671
Stddev	123.448	658.36	44.728	40.812	148.933
%RSD	2.054744	.7609800	.4787130	.6814913	2.275989

#1	6081.701	85781.43	9353.242	5945.772	6624.173
#2	6076.745	86707.94	9294.618	5993.017	6635.028
#3	5865.447	87054.92	9382.447	6027.038	6371.812

Sample Name: Q2436-10LX5 Acquired: 7/1/2025 18:59:55 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035795	.0004940	.0151127	.0065431	-.000778	4.554089	.0240128
Stddev	.0019777	.0014510	.0006398	.0021377	.002390	.012590	.0005500
%RSD	55.25182	293.7151	4.233705	32.67119	307.2479	.2764538	2.290662

#1	.0039824	.0021680	.0156045	.0089131	-.000989	4.552274	.0245547
#2	.0053248	-.000405	.0143893	.0047605	.001711	4.567487	.0234549
#3	.0014314	-.000281	.0153442	.0059558	-.003055	4.542504	.0240288

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009100	-.001353	.7319412	.0128638	.0050801	.0042390	28.81813
Stddev	.0000527	.000035	.0084040	.0000695	.0001669	.0002612	.23802
%RSD	5.791339	2.620989	1.148184	.5399806	3.285890	6.161992	.8259228

#1	.0009448	-.001317	.7259859	.0127908	.0052680	.0044194	29.05774
#2	.0009359	-.001388	.7415543	.0128717	.0049491	.0039395	28.81492
#3	.0008494	-.001354	.7282836	.0129290	.0050232	.0043581	28.58174

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0813719	.3727769	.0041483	.0011732	.7638897	.0400636	.0262981
Stddev	.0002919	.0314107	.0001708	.0000850	.0042297	.0018192	.0004015
%RSD	.3586781	8.426139	4.117236	7.241926	.5537059	4.540722	1.526805

#1	.0811775	.3369244	.0042762	.0012209	.7677370	.0408536	.0258805
#2	.0817075	.3954550	.0042144	.0012236	.7593604	.0379830	.0263325
#3	.0812307	.3859514	.0039543	.0010751	.7645716	.0413543	.0266813

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2017190	.0454650	-.000119	-.000479	.1582150	.8747300	.2280736
Stddev	.0181624	.0006540	.000144	.000692	.0015307	.0088447	.0029654
%RSD	9.003824	1.438409	120.6350	144.6005	.9674627	1.011134	1.300207

#1	.1956705	.0461724	-.000014	-.000197	.1591754	.8841328	.2311679
#2	.2221338	.0448826	-.000283	-.001268	.1590198	.8665763	.2277966
#3	.1873525	.0453399	-.000061	.000028	.1564498	.8734809	.2252565

Sample Name: Q2436-10LX5 Acquired: 7/1/2025 18:59:55 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3900734	.0197307	-.016226
Stddev	.0064604	.0003540	.000282
%RSD	1.656199	1.794136	1.739696

#1	.3970564	.0201387	-.016551
#2	.3888548	.0195495	-.016040
#3	.3843092	.0195041	-.016088

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5594.257	81632.48	8411.604	5623.042	6536.018
Stddev	36.553	44.29	46.031	15.334	44.710
%RSD	.6534078	.0542547	.5472354	.2726947	.6840515

#1	5552.050	81649.80	8462.358	5634.295	6484.739
#2	5615.581	81582.15	8372.555	5629.255	6556.476
#3	5615.140	81665.50	8399.900	5605.577	6566.838

Sample Name: Q2436-10MS Acquired: 7/1/2025 19:04:12 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7211582	1.847010	.9915862	1.787918	.4974591	32.42379	.3909199
Stddev	.0012203	.010945	.0007546	.009189	.0073887	.05636	.0005614
%RSD	.1692135	.5925922	.0760977	.5139449	1.485294	.1738153	.1436081

#1	.7202825	1.859371	.9923684	1.795756	.5059841	32.48730	.3913633
#2	.7225521	1.838547	.9915275	1.777805	.4929015	32.40433	.3902887
#3	.7206401	1.843113	.9908627	1.790193	.4934918	32.37974	.3911078

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1648649	.1749365	3.424922	.4008359	.2155049	.2877445	137.5266
Stddev	.0005294	.0002009	.013614	.0008161	.0001136	.0004286	.8536
%RSD	.3211234	.1148174	.3974912	.2035864	.0527202	.1489583	.6206995

#1	.1642584	.1747440	3.426296	.4015659	.2155564	.2880831	138.4474
#2	.1651015	.1749207	3.437797	.4009869	.2153747	.2872626	137.3706
#3	.1652347	.1751448	3.410674	.3999549	.2155837	.2878879	136.7617

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5694543	2.625495	.4962942	.0718093	6.837819	.4290229	.3234155
Stddev	.0012298	.011904	.0003657	.0004425	.048033	.0005305	.0019302
%RSD	.2159638	.4533926	.0736824	.6162227	.7024647	.1236636	.5968110

#1	.5680360	2.611750	.4966759	.0723145	6.892929	.4295338	.3252511
#2	.5701028	2.632481	.4959470	.0716231	6.815681	.4290602	.3235924
#3	.5702242	2.632254	.4962598	.0714904	6.804847	.4284746	.3214029

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.903959	.4602083	.3646395	.6478204	.9020079	6.558592	6.706480
Stddev	.053953	.0018808	.0009124	.0018435	.0028328	.032524	.016668
%RSD	.5447630	.4086882	.2502066	.2845640	.3140574	.4959047	.2485302

#1	9.956079	.4618126	.3656489	.6483683	.9051716	6.594845	6.716943
#2	9.907454	.4606738	.3638738	.6457652	.8997063	6.548960	6.687259
#3	9.848343	.4581384	.3643957	.6493279	.9011457	6.531972	6.715238

Sample Name: Q2436-10MS Acquired: 7/1/2025 19:04:12 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.175311	.2552695	.1502421
Stddev	.002375	.0033950	.0010681
%RSD	.2020808	1.329956	.7109380

#1	1.176122	.2568036	.1490859
#2	1.172636	.2576267	.1504484
#3	1.177174	.2513782	.1511920

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5943.481	86422.67	8928.891	5948.014	6483.064
Stddev	20.162	183.35	27.693	16.404	14.789
%RSD	.3392334	.2121555	.3101478	.2757841	.2281166

#1	5920.483	86214.81	8939.350	5932.242	6466.385
#2	5958.116	86561.43	8949.830	5946.817	6494.577
#3	5951.844	86491.76	8897.492	5964.984	6488.230

Sample Name: Q2436-10MSD Acquired: 7/1/2025 19:08:10 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7589636	1.893620	1.046654	1.865999	.4802819	37.70499	.4600554
Stddev	.0033086	.022665	.002653	.011986	.0018044	.23899	.0033966
%RSD	.4359364	1.196913	.2534916	.6423433	.3756935	.6338516	.7383081

#1	.7612745	1.890723	1.043861	1.859243	.4782094	37.80715	.4605497
#2	.7551735	1.872542	1.049140	1.858917	.4811332	37.43190	.4564388
#3	.7604430	1.917594	1.046963	1.879839	.4815032	37.87593	.4631779

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1690442	.1821393	4.120280	.4252731	.2511108	.3072327	159.9491
Stddev	.0025852	.0008366	.019348	.0010697	.0007045	.0012139	1.5186
%RSD	1.529310	.4593457	.4695892	.2515379	.2805405	.3951088	.9494464

#1	.1689401	.1813032	4.121560	.4264208	.2505557	.3065534	160.5470
#2	.1665126	.1821383	4.100324	.4243038	.2508734	.3065104	161.0777
#3	.1716799	.1829765	4.138957	.4250948	.2519033	.3086341	158.2225

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9699341	2.966693	.5215066	.0766538	6.951968	.5097536	.3698104
Stddev	.0040885	.021648	.0011163	.0006593	.077483	.0056737	.0007928
%RSD	.4215222	.7297037	.2140504	.8600632	1.114545	1.113022	.2143771

#1	.9732907	2.955850	.5202681	.0766117	6.975512	.5123497	.3697723
#2	.9653808	2.952610	.5218166	.0773331	7.014949	.5032463	.3690373
#3	.9711309	2.991620	.5224351	.0760166	6.865444	.5136647	.3706215

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.52634	.5088576	.3778710	.6718463	1.045603	7.308243	7.099714
Stddev	.09739	.0041806	.0010098	.0017278	.003930	.070474	.035965
%RSD	.9252032	.8215726	.2672306	.2571765	.3758372	.9643104	.5065750

#1	10.61133	.5106812	.3768977	.6698901	1.046285	7.348466	7.086685
#2	10.54761	.5118167	.3778016	.6724849	1.041378	7.349394	7.072079
#3	10.42007	.5040749	.3789137	.6731640	1.049148	7.226868	7.140378

Sample Name: Q2436-10MSD Acquired: 7/1/2025 19:08:10 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.363184	.2721146	.1440511
Stddev	.012458	.0012692	.0025316
%RSD	.9138583	.4664271	1.757440

#1	1.354353	.2735428	.1450528
#2	1.357766	.2711158	.1411719
#3	1.377433	.2716850	.1459285

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5999.369	85896.51	9101.860	5932.541	6448.719
Stddev	14.972	207.94	112.772	18.157	16.215
%RSD	.2495656	.2420849	1.239000	.3060519	.2514433

#1	6009.545	85879.73	9115.072	5938.388	6463.843
#2	6006.384	85697.46	9207.445	5912.182	6450.716
#3	5982.177	86112.32	8983.064	5947.054	6431.598

Sample Name: Q2436-10A Acquired: 7/1/2025 19:12:07 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7644905	1.853989	.9780170	1.914692	.7700292	24.42685	.3410884
Stddev	.0035273	.016395	.0052418	.003463	.0076476	.03907	.0009696
%RSD	.4613913	.8843077	.5359627	.1808469	.9931626	.1599437	.2842762

#1	.7614238	1.856328	.9736196	1.915378	.7640402	24.45360	.3420545
#2	.7637025	1.869089	.9766139	1.910938	.7674036	24.44494	.3401153
#3	.7683451	1.836550	.9838176	1.917761	.7786437	24.38202	.3410953

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1678830	.1758740	4.319565	.4143307	.2103126	.3016309	136.2679
Stddev	.0016188	.0009610	.022908	.0008163	.0007280	.0014651	.7560
%RSD	.9642183	.5464096	.5303293	.1970279	.3461683	.4857178	.5547864

#1	.1697475	.1750013	4.312147	.4152636	.2099934	.3007984	135.5417
#2	.1670655	.1757169	4.301286	.4137473	.2097987	.3007718	136.2116
#3	.1668361	.1769039	4.345263	.4139811	.2111457	.3033226	137.0505

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4877535	3.389462	.4931561	.0733840	6.018456	.4313874	.3096052
Stddev	.0022969	.010745	.0021743	.0002783	.050399	.0004013	.0007549
%RSD	.4709028	.3170096	.4409045	.3792991	.8374099	.0930136	.2438155

#1	.4901827	3.397914	.4911572	.0731799	5.962864	.4316172	.3103153
#2	.4874608	3.393102	.4928399	.0737011	6.031345	.4316210	.3088124
#3	.4856170	3.377370	.4954713	.0732710	6.061159	.4309241	.3096879

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.34458	.4733260	.3869521	.6512242	.9678363	7.464624	6.456988
Stddev	.03770	.0031415	.0040862	.0079714	.0053993	.027004	.014658
%RSD	.3644492	.6637129	1.056001	1.224067	.5578681	.3617556	.2270141

#1	10.33267	.4707615	.3833230	.6437146	.9651144	7.494102	6.440368
#2	10.31427	.4723864	.3861553	.6503694	.9740548	7.441083	6.468071
#3	10.38679	.4768301	.3913780	.6595886	.9643398	7.458686	6.462526

Sample Name: Q2436-10A Acquired: 7/1/2025 19:12:07 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.990503	.2555526	.1053681
Stddev	.006280	.0012770	.0016570
%RSD	.3154993	.4997098	1.572600

#1	1.991122	.2565910	.1069779
#2	1.983936	.2541267	.1054587
#3	1.996450	.2559401	.1036676

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5864.175	86385.07	8925.767	5911.206	6488.322
Stddev	17.493	65.72	44.591	13.079	20.763
%RSD	.2982995	.0760758	.4995800	.2212584	.3200030

#1	5871.237	86456.14	8878.550	5924.691	6502.539
#2	5877.034	86326.50	8931.591	5910.354	6497.932
#3	5844.256	86372.58	8967.160	5898.574	6464.495

Sample Name: PB168684BL Acquired: 7/1/2025 19:16:03 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000767	.0003846	-.000870	-.002694	.0001989	-.006013
Stddev	.000319	.0006618	.002625	.004483	.0006071	.003078
%RSD	41.63723	172.0438	301.8109	166.4031	305.2710	51.19454

#1	-.000424	.0011404	.002161	-.002800	.0007735	-.007549
#2	-.000820	-.000091	-.002393	-.007123	-.000436	-.002469
#3	-.001056	.000105	-.002377	.001841	.000259	-.008020

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.021236	-.000084	.0000150	.0091873	.0001579	-.000069
Stddev	.003025	.000017	.0000254	.0027099	.0001506	.000299
%RSD	14.24311	20.64741	168.7909	29.49669	95.40894	434.6454

#1	-.018417	-.000099	.0000222	.0087041	.0001952	-.000043
#2	-.020861	-.000065	-.000013	.0067514	.0002863	-.000380
#3	-.024431	-.000087	.000036	.0121063	-.000008	.000216

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000549	.0055573	-.000339	-.006978	.0000343	-.000174
Stddev	.000332	.0023275	.000128	.012575	.0001598	.000064
%RSD	60.48092	41.88112	37.87575	180.2077	466.3607	36.48708

#1	-.000745	.0068028	-.000390	.001401	-.000098	-.000129
#2	-.000738	.0028721	-.000434	-.000897	-.000011	-.000247
#3	-.000166	.0069969	-.000193	-.021438	.000212	-.000147

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1114627	.0013558	.0001592	.0813647	-.002422	.0000040
Stddev	.0122766	.0008272	.0001154	.0261687	.000430	.0001120
%RSD	11.01408	61.01296	72.51015	32.16229	17.77219	2797.162

#1	.1136180	.0011808	.0000658	.0759590	-.002399	-.000002
#2	.1225188	.0022565	.0001236	.1098141	-.002864	.000119
#3	.0982511	.0006301	.0002882	.0583209	-.002004	-.000105

Sample Name: PB168684BL Acquired: 7/1/2025 19:16:03 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033506	.0011961	.0117671	.0069809	-.000737	F .0137856
Stddev	.0002694	.0008510	.0038759	.0008429	.003292	.0005724
%RSD	8.039390	71.14830	32.93823	12.07397	446.4623	4.152026

#1	.0030860	.0020586	.0101354	.0077301	.002654	.0140975
#2	.0036245	.0011727	.0161921	.0071443	-.003921	.0141342
#3	.0033413	.0003570	.0089739	.0060683	-.000945	.0131250

Elem	Sr4077
Units	ppm
Avg	-.000028
Stddev	.000036
%RSD	126.2502

#1	-.000068
#2	.000000
#3	-.000017

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5414.143	80236.50	8295.115	5488.217	6411.118
Stddev	2.604	292.99	63.410	27.361	6.343
%RSD	.0481001	.3651529	.7644265	.4985352	.0989364

#1	5416.883	80454.18	8293.172	5519.749	6403.799
#2	5411.700	80351.95	8232.699	5470.745	6414.534
#3	5413.846	79903.38	8359.475	5474.158	6415.021

Sample Name: PB168684BS Acquired: 7/1/2025 19:20:22 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8238457	2.019196	.9732746	2.116887	.8395488	1.900306
Stddev	.0008598	.024909	.0033059	.014173	.0049141	.004918
%RSD	.1043672	1.233622	.3396718	.6695416	.5853231	.2587933

#1	.8246498	1.998896	.9762946	2.101658	.8389585	1.898673
#2	.8239478	2.011700	.9697425	2.119311	.8349566	1.896412
#3	.8229393	2.046993	.9737867	2.129692	.8447314	1.905832

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1689964	.1898598	.1933563	1.009832	.3971445	.2008737
Stddev	.0024342	.0015348	.0005853	.002680	.0005950	.0004881
%RSD	1.440378	.8084008	.3027242	.2653769	.1498248	.2429660

#1	.1700705	.1892489	.1939960	1.009237	.3978313	.2013538
#2	.1707088	.1916060	.1928476	1.012759	.3968182	.2008891
#3	.1662099	.1887244	.1932253	1.007499	.3967840	.2003781

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3154867	3.057784	.1980229	1.866489	.5008664	.0741471
Stddev	.0003340	.028326	.0013112	.022496	.0014320	.0003834
%RSD	.1058771	.9263729	.6621607	1.205270	.2859110	.5171384

#1	.3155819	3.071465	.1967992	1.841906	.5023846	.0741859
#2	.3151154	3.025214	.1978626	1.871512	.4995398	.0737458
#3	.3157627	3.076674	.1994069	1.886049	.5006748	.0745097

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.256016	.2856297	.2088852	10.17597	.2917157	.4155960
Stddev	.030634	.0014098	.0004458	.10966	.0032627	.0012086
%RSD	.9408340	.4935794	.2134189	1.077675	1.118441	.2908225

#1	3.273776	.2841241	.2084213	10.20016	.2894699	.4149716
#2	3.220643	.2858461	.2093103	10.05623	.2954582	.4148273
#3	3.273628	.2869187	.2089240	10.27152	.2902190	.4169891

Sample Name: PB168684BS Acquired: 7/1/2025 19:20:22 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6784750	.1884369	.8634137	5.819887	F -.003287	.2237136
Stddev	.0020983	.0007968	.0157856	.016125	.001310	.0007745
%RSD	.3092642	.4228415	1.828276	.2770722	39.84235	.3462123

#1	.6793604	.1875200	.8586411	5.816593	-.004259	.2241722
#2	.6760791	.1889616	.8505651	5.805664	-.001798	.2241493
#3	.6799854	.1888290	.8810349	5.837405	-.003804	.2228194

Elem	Sr4077
Units	ppm
Avg	.2004730
Stddev	.0000392
%RSD	.0195490

#1	.2004754
#2	.2005109
#3	.2004326

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5425.346	77651.62	7895.404	5363.019	6366.066
Stddev	7.712	436.35	66.430	23.827	12.403
%RSD	.1421561	.5619393	.8413808	.4442838	.1948277

#1	5425.436	77148.96	7882.661	5341.279	6354.841
#2	5433.014	77933.11	7836.268	5359.286	6379.381
#3	5417.590	77872.78	7967.283	5388.492	6363.975

Sample Name: PB168677BL Acquired: 7/1/2025 19:24:22 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009194	.0009034	-.001097	.0048663	-.001383	-.004912	-.020463
Stddev	.0010930	.0013136	.001158	.0015141	.002227	.005814	.001369
%RSD	118.8857	145.3934	105.5747	31.11479	161.0199	118.3652	6.689732

#1	.0020875	.0006363	-.000668	.0031392	.001151	.001801	-.020336
#2	.0007493	-.000256	-.000215	.0059653	-.002270	-.008263	-.019161
#3	-.000079	.002330	-.002408	.0054945	-.003031	-.008273	-.021890

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000089	-.000022	.0120127	.0002969	-.000079	-.000541	.0056826
Stddev	.000071	.000007	.0047464	.0001282	.000058	.000780	.0033312
%RSD	79.79330	30.05045	39.51176	43.16595	73.49363	144.1626	58.62129

#1	-.000140	-.000029	.0141872	.0003694	-.000107	-.001441	.0094898
#2	-.000119	-.000023	.0152822	.0001489	-.000012	-.000110	.0042540
#3	-.000008	-.000015	.0065686	.0003724	-.000116	-.000071	.0033039

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000109	-.008404	.0000868	.0001924	.0905384	.0015800	.0000656
Stddev	.000484	.008149	.0000973	.0001816	.0079329	.0016674	.0000866
%RSD	443.4479	96.96690	112.0613	94.36706	8.761950	105.5317	131.9020

#1	-.000366	-.008400	.0000685	.0000077	.0854323	.0013583	.0001595
#2	.000449	-.000257	-.000000	.0003707	.0996776	.0000345	-.000011
#3	-.000411	-.016556	.000192	.0001988	.0865053	.0033472	.000048

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0456648	-.002749	-.000022	.0034167	.0024719	-.006655	.0020391
Stddev	.0263327	.000891	.000125	.0009438	.0006032	.009265	.0017345
%RSD	57.66528	32.40628	577.5044	27.62374	24.40281	139.2056	85.06217

#1	.0380265	-.003446	.000032	.0044661	.0029598	.001437	.0027117
#2	.0749723	-.001745	-.000165	.0026373	.0026585	-.016761	.0000690
#3	.0239956	-.003056	.000067	.0031466	.0017975	-.004641	.0033365

Sample Name: PB168677BL Acquired: 7/1/2025 19:24:22 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0025452	.0094934	-.000024
Stddev	.0011771	.0014956	.000039
%RSD	46.24724	15.75382	162.5042

#1	.0015880	.0102189	-.000034
#2	.0021882	.0077735	-.000056
#3	.0038595	.0104878	.000019

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5439.803	82184.44	8334.369	5618.354	6414.774
Stddev	12.666	150.25	32.042	6.865	18.929
%RSD	.2328370	.1828195	.3844534	.1221924	.2950812

#1	5439.005	82051.14	8365.317	5623.374	6408.445
#2	5452.849	82347.26	8336.454	5621.158	6436.056
#3	5427.555	82154.92	8301.336	5610.531	6399.820

Sample Name: CCV06 Acquired: 7/1/2025 20:05:17 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.150398	4.599578	4.674840	5.313505	5.249973	9.267226	9.555903
Stddev	.015301	.050521	.009741	.020408	.023376	.037541	.115568
%RSD	.2970811	1.098379	.2083621	.3840763	.4452647	.4050960	1.209390

#1	5.133064	4.608909	4.665986	5.290336	5.223012	9.309031	9.683515
#2	5.156106	4.545042	4.673259	5.321362	5.262315	9.256256	9.458297
#3	5.162024	4.644783	4.685274	5.328816	5.264591	9.236393	9.525897

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2340837	2.320530	23.07818	.9180807	2.365988	1.230522	4.805588
Stddev	.0022795	.004878	.11143	.0088881	.006454	.002914	.025548
%RSD	.9738130	.2102057	.4828239	.9681163	.2727866	.2368316	.5316395

#1	.2366769	2.316442	23.19513	.9279870	2.358746	1.227603	4.833582
#2	.2331778	2.319219	22.97325	.9154507	2.368084	1.230530	4.783530
#3	.2323963	2.325930	23.06614	.9108044	2.371133	1.233432	4.799653

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.337448	22.53807	2.360591	1.204183	24.89852	2.330117	2.430444
Stddev	.011078	.14336	.005455	.005291	.09630	.008351	.011447
%RSD	.4739441	.6360718	.2310912	.4393711	.3867575	.3584044	.4709892

#1	2.349816	22.69935	2.354454	1.210187	25.00952	2.339755	2.443649
#2	2.328434	22.42513	2.362429	1.202160	24.83735	2.325568	2.423331
#3	2.334096	22.48973	2.364890	1.200203	24.84869	2.325028	2.424353

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.33312	4.641205	4.992648	4.637741	4.677737	4.738757	4.659039
Stddev	.10342	.027076	.013204	.010534	.017606	.008127	.006948
%RSD	.4250320	.5833852	.2644746	.2271285	.3763684	.1714931	.1491206

#1	24.43928	4.671473	4.979410	4.627714	4.697933	4.742601	4.659253
#2	24.23267	4.632854	4.992717	4.636792	4.665632	4.729422	4.651987
#3	24.32742	4.619288	5.005818	4.648717	4.669645	4.744249	4.665878

Sample Name: CCV06 Acquired: 7/1/2025 20:05:17 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV06 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.945803	4.854927	4.839270
Stddev	.022884	.006097	.012757
%RSD	.4626895	.1255813	.2636081

#1	4.934629	4.860282	4.836533
#2	4.930652	4.848291	4.853173
#3	4.972126	4.856206	4.828104

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5284.061	79847.67	8016.729	5387.418	6063.744
Stddev	16.478	799.27	87.024	19.355	16.335
%RSD	.3118378	1.000991	1.085529	.3592638	.2693905

#1	5302.615	78956.30	7918.252	5367.410	6082.575
#2	5271.136	80086.16	8048.653	5388.798	6053.395
#3	5278.432	80500.54	8083.283	5406.046	6055.262

Sample Name: CCB06 Acquired: 7/1/2025 20:34:36 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001492	.0007199	-.000639	.0043855	-.001119	-.007159
Stddev	.0015894	.0010407	.000707	.0032389	.001683	.007967
%RSD	1065.061	144.5677	110.7125	73.85441	150.4154	111.2869

#1	-.001383	-.000379	.000010	.0059793	-.000671	-.000940
#2	.001790	.000847	-.000533	.0006586	-.002981	-.004398
#3	.000040	.001691	-.001392	.0065187	.000295	-.016139

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.023255	-.000053	.0000073	.0045795	.0000782	.0000364
Stddev	.002509	.000033	.0000294	.0091685	.0002289	.0002522
%RSD	10.79063	63.26438	403.2349	200.2061	292.8503	692.1130

#1	-.025404	-.000066	-.000004	.0150617	.0003343	.0000122
#2	-.020497	-.000077	.000041	.0006248	.0000069	-.000203
#3	-.023863	-.000015	-.000015	-.001948	-.000107	.000300

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000301	.0080749	-.000182	-.002358	.0000471	-.000126
Stddev	.000351	.0044663	.000033	.010183	.0002502	.000121
%RSD	116.6216	55.31105	18.17944	431.8470	531.5249	96.01794

#1	-.000160	.0128280	-.000150	.008856	-.000038	-.000104
#2	-.000701	.0074317	-.000216	-.004903	-.000150	-.000255
#3	-.000043	.0039651	-.000181	-.011028	.000329	-.000017

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1123040	.0004232	.0001439	.0728397	-.001850	.0002011
Stddev	.0126901	.0038163	.0002740	.0407885	.000232	.0000036
%RSD	11.29978	901.7238	190.4348	55.99755	12.51760	1.797995

#1	.1248781	-.003983	-.000068	.1194186	-.001745	.0001985
#2	.1125329	.002631	.000453	.0435082	-.002115	.0002052
#3	.0995010	.002622	.000046	.0555924	-.001689	.0001995

Sample Name: CCB06 Acquired: 7/1/2025 20:34:36 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB06 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030477	.0009185	.0113539	.0025257	.0007736	F .0181193
Stddev	.0000471	.0008700	.0101044	.0004491	.0035162	.0018736
%RSD	1.546483	94.71748	88.99504	17.78157	454.5527	10.34020

#1	.0030327	.0016423	.0219565	.0023185	-.003206	.0202595
#2	.0030099	.0011598	.0102703	.0022177	.003462	.0173228
#3	.0031005	-.000047	.0018350	.0030411	.002064	.0167756

Elem	Sr4077
Units	ppm
Avg	-.000063
Stddev	.000034
%RSD	54.78318

#1	-.000099
#2	-.000057
#3	-.000031

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5575.811	80679.24	8421.685	5498.981	6669.511
Stddev	7.289	158.97	153.453	6.003	5.085
%RSD	.1307316	.1970376	1.822116	.1091693	.0762397

#1	5567.570	80611.43	8576.086	5492.937	6670.323
#2	5578.450	80860.86	8269.198	5499.064	6674.141
#3	5581.414	80565.41	8419.771	5504.942	6664.069

Sample Name: PB168677BS Acquired: 7/1/2025 20:38:56 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8123630	1.836396	.9458350	2.089832	.8372816	1.829213
Stddev	.0068660	.029346	.0063059	.008389	.0065485	.007732
%RSD	.8451831	1.598031	.6667058	.4014157	.7821101	.4226781

#1	.8134805	1.814798	.9412326	2.085140	.8374189	1.836301
#2	.8050068	1.824583	.9432498	2.084839	.8306656	1.820968
#3	.8186016	1.869808	.9530228	2.099517	.8437604	1.830370

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1649690	.1807777	.1888412	.9901478	.3761324	.1954124
Stddev	.0019196	.0010445	.0007860	.0084323	.0004834	.0007409
%RSD	1.163601	.5777689	.4162141	.8516223	.1285140	.3791456

#1	.1634538	.1806451	.1887009	.9998286	.3755752	.1950256
#2	.1643255	.1798058	.1881348	.9862100	.3764400	.1949450
#3	.1671276	.1818821	.1896879	.9844047	.3763819	.1962667

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3076176	2.898962	.1905184	1.798060	.4875162	.0710469
Stddev	.0014124	.010650	.0006394	.036423	.0019759	.0003893
%RSD	.4591401	.3673818	.3356238	2.025701	.4052946	.5479609

#1	.3078841	2.887575	.1901028	1.774082	.4860146	.0706147
#2	.3060909	2.908678	.1912547	1.839973	.4867793	.0713700
#3	.3088778	2.900634	.1901977	1.780125	.4897546	.0711560

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 3.940819	.2772480	.1992064	9.659757	.2822589	.4056161
Stddev	.019178	.0032573	.0005484	.083478	.0007358	.0014878
%RSD	.4866604	1.174867	.2752832	.8641845	.2606674	.3667898

#1	3.928020	.2754201	.1989366	9.651370	.2823126	.4055886
#2	3.962870	.2753152	.1988451	9.747112	.2814977	.4041423
#3	3.931568	.2810087	.1998374	9.580789	.2829662	.4071174

Sample Name: PB168677BS Acquired: 7/1/2025 20:38:56 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6662584	.1858322	.8243657	5.789968	F .0107339	.2166989
Stddev	.0029040	.0007222	.0064862	.042107	.0018265	.0024632
%RSD	.4358635	.3886092	.7868165	.7272413	17.01573	1.136690

#1	.6658711	.1855345	.8271525	5.758002	.0089739	.2165195
#2	.6635675	.1866556	.8169517	5.774222	.0106077	.2143304
#3	.6693366	.1853065	.8289928	5.837678	.0126203	.2192470

Elem	Sr4077
Units	ppm
Avg	.1909084
Stddev	.0002928
%RSD	.1533850

#1	.1908866
#2	.1906271
#3	.1912115

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5459.669	83810.72	8345.866	5659.112	6378.135
Stddev	18.390	171.99	40.944	16.781	19.666
%RSD	.3368322	.2052082	.4905929	.2965288	.3083398

#1	5453.938	83648.99	8341.324	5655.716	6388.300
#2	5480.242	83791.79	8388.892	5677.331	6390.638
#3	5444.826	83991.39	8307.382	5644.289	6355.466

Sample Name: PB168652TB Acquired: 7/1/2025 20:42:56 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002090	-.001775	-.001189	.0029898	-.001111	-.005169	-.029916
Stddev	.001086	.001001	.001366	.0023011	.000746	.004333	.001483
%RSD	51.98280	56.37615	114.8746	76.96640	67.11718	83.82753	4.956262

#1	-.001219	-.001394	-.002719	.0008567	-.000697	-.006760	-.029338
#2	-.001744	-.001022	-.000755	.0054285	-.001972	-.000265	-.028809
#3	-.003307	-.002911	-.000093	.0026843	-.000664	-.008481	-.031600

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000200	-.000005	-.024059	.0001945	-.000196	-.000979	-.000203
Stddev	.000049	.000066	.002849	.0000199	.000077	.000263	.001348
%RSD	24.40923	1367.263	11.83992	10.20720	39.19308	26.89051	662.8603

#1	-.000172	-.000080	-.026838	.0001723	-.000173	-.000888	-.001676
#2	-.000171	.000019	-.024193	.0002105	-.000134	-.001275	.000970
#3	-.000256	.000046	-.021146	.0002006	-.000282	-.000772	.000096

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029189	-.016379	.0013076	-.000336	563.2925	.0015755	.0017748
Stddev	.0003362	.003959	.0002196	.000405	4.0610	.0002097	.0000694
%RSD	11.51887	24.17093	16.79589	120.5848	.7209448	13.31196	3.908573

#1	.0032978	-.012477	.0010592	.000113	564.4901	.0017635	.0018340
#2	.0028025	-.016268	.0014759	-.000675	558.7674	.0016136	.0016985
#3	.0026563	-.020393	.0013878	-.000446	566.6201	.0013493	.0017920

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2166688	-.003575	-.000141	-.006488	.0014977	.0179641	.0241881
Stddev	.0351623	.000634	.000097	.000329	.0008153	.0008747	.0025940
%RSD	16.22858	17.72572	68.74793	5.072288	54.43443	4.869166	10.72423

#1	.2014334	-.004297	-.000240	-.006603	.0017539	.0169566	.0250050
#2	.1916936	-.003114	-.000136	-.006117	.0005851	.0184063	.0212840
#3	.2568794	-.003314	-.000047	-.006745	.0021541	.0185294	.0262753

Sample Name: PB168652TB Acquired: 7/1/2025 20:42:56 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0449179	.0018140	-.000032
Stddev	.0017520	.0024245	.000044
%RSD	3.900518	133.6547	138.0536

#1	.0464398	.0043023	-.000044
#2	.0430026	-.000541	.000017
#3	.0453112	.001681	-.000069

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5326.948	76048.89	8760.401	5186.193	6020.300
Stddev	18.082	414.82	53.047	9.635	23.009
%RSD	.3394456	.5454603	.6055273	.1857837	.3821954

#1	5336.681	76018.31	8738.348	5196.269	6023.628
#2	5338.079	76478.15	8721.937	5177.070	6041.464
#3	5306.085	75650.21	8820.916	5185.240	5995.807

Sample Name: Q2447-08 Acquired: 7/1/2025 20:47:23 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003292	-.001846	.0038596	.0052898	-.000838	.7799084	.7308257
Stddev	.000476	.001270	.0013280	.0046235	.000587	.0064467	.0010894
%RSD	14.44519	68.78012	34.40731	87.40534	70.04231	.8265993	.1490653

#1	-.003803	-.003134	.0024647	.0010325	-.000235	.7843576	.7303550
#2	-.002863	-.001808	.0051086	.0102084	-.000872	.7828523	.7320713
#3	-.003210	-.000596	.0040056	.0046284	-.001408	.7725153	.7300508

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000150	.0008170	20.81279	.0022236	.0025836	.0036747	1.077287
Stddev	.000001	.0000666	.05645	.0003609	.0001926	.0001139	.007818
%RSD	.9617087	8.148984	.2712105	16.22944	7.455277	3.100071	.7257118

#1	-.000148	.0007824	20.86247	.0026005	.0027919	.0035470	1.083671
#2	-.000150	.0008938	20.75141	.0021889	.0024120	.0037112	1.079622
#3	-.000151	.0007749	20.82448	.0018813	.0025469	.0037658	1.068567

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6572889	4.471159	.0016477	.0001422	421.3918	.0024172	.8152272
Stddev	.0023004	.044251	.0000368	.0004064	4.7527	.0003135	.0013036
%RSD	.3499841	.9896961	2.233842	285.7353	1.127868	12.96810	.1599119

#1	.6582976	4.493742	.0016096	-.000314	425.0023	.0027733	.8154660
#2	.6546564	4.420173	.0016831	.000467	423.1658	.0021833	.8138207
#3	.6589126	4.499562	.0016504	.000273	416.0072	.0022949	.8163950

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.227946	.3612653	-.000116	-.007972	.0234239	1.890680	.4991415
Stddev	.046255	.0037235	.000030	.000271	.0003192	.009835	.0053480
%RSD	.8847668	1.030675	25.80764	3.396814	1.362660	.5201731	1.071440

#1	5.256853	.3600064	-.000094	-.008278	.0231119	1.884488	.4960682
#2	5.252388	.3583345	-.000150	-.007874	.0234101	1.902020	.4960396
#3	5.174598	.3654551	-.000103	-.007764	.0237498	1.885532	.5053169

Sample Name: Q2447-08 Acquired: 7/1/2025 20:47:23 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.724274	.0021499	.0501850
Stddev	.010854	.0009330	.0000716
%RSD	.6294994	43.39493	.1425875

#1	1.720279	.0010945	.0502674
#2	1.715984	.0024905	.0501383
#3	1.736560	.0028647	.0501494

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5373.215	77249.66	8768.356	5268.362	6069.226
Stddev	25.565	584.17	82.001	20.999	19.352
%RSD	.4757923	.7562128	.9351917	.3985939	.3188499

#1	5395.519	76611.64	8698.882	5251.693	6086.320
#2	5378.810	77379.05	8858.808	5261.446	6073.143
#3	5345.315	77758.29	8747.379	5291.947	6048.215

Sample Name: Q2447-09 Acquired: 7/1/2025 20:51:46 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001370	-.002553	.0032460	.0041999	-.001360	.0769446	.6506464
Stddev	.000740	.001445	.0010542	.0037276	.000950	.0051508	.0020463
%RSD	54.01673	56.60329	32.47714	88.75347	69.82335	6.694219	.3145017

#1	-.002191	-.000979	.0028012	.0018433	-.000905	.0754989	.6528725
#2	-.001161	-.002861	.0044498	.0022590	-.002452	.0826639	.6502193
#3	-.000757	-.003819	.0024872	.0084974	-.000724	.0726712	.6488473

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000161	.0006829	37.36249	.0011831	.0022023	.0101093	.1468455
Stddev	.000035	.0000336	.05974	.0001014	.0000727	.0002105	.0063196
%RSD	21.68728	4.921444	.1599027	8.572137	3.300257	2.082001	4.303584

#1	-.000201	.0007135	37.35862	.0010843	.0022755	.0099959	.1455550
#2	-.000138	.0006883	37.42408	.0011780	.0021301	.0099798	.1412707
#3	-.000144	.0006469	37.30478	.0012869	.0022014	.0103521	.1537107

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9069130	7.689297	.0011331	-.000175	411.6543	.0016712	1.089586
Stddev	.0028063	.011584	.0001793	.000084	3.5660	.0015831	.002582
%RSD	.3094350	.1506569	15.82628	47.89733	.8662653	94.73029	.2369474

#1	.9084260	7.677272	.0011182	-.000103	413.6167	.0001855	1.091792
#2	.9086382	7.690235	.0009616	-.000155	407.5381	.0014916	1.086746
#3	.9036749	7.700384	.0013194	-.000267	413.8081	.0033364	1.090219

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.061310	.5527186	.0000432	-.008409	.0024121	1.257091	1.154348
Stddev	.062830	.0022004	.0000579	.000414	.0006362	.012851	.006080
%RSD	.6933911	.3981036	134.1944	4.917370	26.37728	1.022270	.5266797

#1	8.989018	.5547075	.0000306	-.008853	.0016820	1.268580	1.155189
#2	9.092161	.5530934	-.000007	-.008340	.0028484	1.243214	1.147892
#3	9.102752	.5503548	.000106	-.008035	.0027058	1.259480	1.159964

Sample Name: Q2447-09 Acquired: 7/1/2025 20:51:46 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.319032	-.001170	.0814897
Stddev	.009124	.001868	.0003744
%RSD	.3934196	159.6195	.4594549

#1	2.328226	-.003221	.0816973
#2	2.318888	-.000722	.0817142
#3	2.309981	.000433	.0810574

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5370.912	78110.81	8478.962	5319.305	6025.648
Stddev	9.116	247.29	58.144	14.991	9.488
%RSD	.1697333	.3165909	.6857393	.2818210	.1574559

#1	5361.904	77830.10	8420.266	5305.566	6026.179
#2	5380.133	78296.50	8480.083	5335.294	6034.859
#3	5370.699	78205.82	8536.537	5317.056	6015.905

Sample Name: Q2447-10 Acquired: 7/1/2025 20:56:08 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0336155	-.003065	-.001081	.0069321	-.000441	.1025623	.2269907
Stddev	.0001413	.001289	.001438	.0009758	.001675	.0076821	.0044512
%RSD	.4203952	42.04617	132.9351	14.07618	379.9113	7.490141	1.960967

#1	.0337772	-.002767	.000154	.0060291	-.001124	.0943152	.2263350
#2	.0335159	-.004476	-.002659	.0067999	-.001667	.1095149	.2317334
#3	.0335533	-.001951	-.000739	.0079672	.001468	.1038567	.2229037

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000005	.0002736	15.03583	.0001248	.0024471	.0003026	.0752447
Stddev	.0000640	.0001008	.07255	.0002165	.0001691	.0003225	.0025501
%RSD	12614.75	36.85035	.4825434	173.4730	6.910779	106.5687	3.389106

#1	.0000744	.0002776	15.08823	.0001221	.0023417	.0006082	.0770196
#2	-.000038	.0001708	15.06625	.0003426	.0026422	-.000035	.0763921
#3	-.000035	.0003723	14.95302	-.000090	.0023575	.000334	.0723224

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1682013	4.405487	.0035581	-.000288	405.8790	.0007551	.7096594
Stddev	.0010612	.030289	.0001002	.000225	5.7614	.0020581	.0007655
%RSD	.6308782	.6875211	2.816434	78.09044	1.419490	272.5450	.1078725

#1	.1686478	4.440207	.0034882	-.000540	412.5208	.0000120	.7104994
#2	.1689662	4.391776	.0036729	-.000110	402.8884	.0030816	.7090010
#3	.1669898	4.384478	.0035133	-.000212	402.2278	-.000828	.7094778

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.61718	.2247458	.0000528	-.008237	.0051963	5.085039	.2851635
Stddev	.15584	.0012507	.0001948	.000349	.0011990	.007138	.0013848
%RSD	.9978798	.5565137	368.9346	4.231753	23.07531	.1403714	.4856083

#1	15.75108	.2233020	.0002729	-.008615	.0064802	5.090896	.2865237
#2	15.65433	.2254961	-.000097	-.007927	.0050029	5.087131	.2837554
#3	15.44612	.2254395	-.000017	-.008170	.0041056	5.077088	.2852114

Sample Name: Q2447-10 Acquired: 7/1/2025 20:56:08 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.788571	.0105842	.1407573
Stddev	.056747	.0016496	.0006303
%RSD	1.497842	15.58552	.4477744

#1	3.805887	.0112628	.1414159
#2	3.725183	.0087035	.1406964
#3	3.834642	.0117862	.1401598

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5282.910	78179.30	8449.764	5366.315	5935.365
Stddev	44.965	396.28	23.748	15.598	47.019
%RSD	.8511336	.5068894	.2810472	.2906650	.7921778

#1	5284.965	77838.51	8441.272	5348.331	5938.898
#2	5326.812	78085.25	8431.430	5374.458	5980.517
#3	5236.953	78614.15	8476.591	5376.156	5886.679

Sample Name: Q2452-04 Acquired: 7/1/2025 21:00:29 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023252	-.002922	.0012039	.0052787	-.003368	.0732096	.4920191
Stddev	.0007835	.002967	.0008436	.0039889	.001059	.0030058	.0027739
%RSD	33.69733	101.5366	70.07122	75.56492	31.45226	4.105681	.5637900

#1	.0016968	.000095	.0017338	.0042442	-.002521	.0762087	.4951311
#2	.0020757	-.003025	.0002311	.0019090	-.003028	.0732229	.4898062
#3	.0032030	-.005837	.0016468	.0096829	-.004556	.0701973	.4911201

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008377	.0000328	13.65097	.0014258	.0091541	.0030990	8.908988
Stddev	.0000582	.0000688	.03176	.0002037	.0001446	.0001085	.051387
%RSD	6.943202	209.5874	.2326819	14.28603	1.579730	3.500707	.5767950

#1	.0009042	.0000689	13.68311	.0012546	.0092227	.0029930	8.966227
#2	.0008119	-.000046	13.61960	.0013719	.0092517	.0032098	8.893910
#3	.0007968	.000076	13.65021	.0016511	.0089880	.0030943	8.866827

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.766675	3.436190	.0071993	.0006157	420.7521	.0009897	.0931880
Stddev	.010242	.018810	.0001701	.0000434	2.6566	.0019657	.0000379
%RSD	.2719126	.5474134	2.362124	7.054963	.6313919	198.6113	.0406235

#1	3.771490	3.450822	.0071712	.0006384	417.6997	.0001458	.0932270
#2	3.754913	3.414972	.0073816	.0006432	422.5421	.0032365	.0931514
#3	3.773623	3.442775	.0070450	.0005657	422.0146	-.000413	.0931856

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.833154	.0505175	-.000315	-.008166	.0016247	1.052668	.0076466
Stddev	.007766	.0004953	.000109	.000719	.0008207	.010088	.0011580
%RSD	.2741122	.9805260	34.71847	8.805895	50.51036	.9583652	15.14415

#1	2.830363	.0502428	-.000326	-.008588	.0012133	1.062120	.0068290
#2	2.841930	.0510894	-.000418	-.008574	.0010912	1.053838	.0089717
#3	2.827169	.0502204	-.000200	-.007336	.0025697	1.042046	.0071391

Sample Name: Q2452-04 Acquired: 7/1/2025 21:00:29 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3316222	.0059146	.0590767
Stddev	.0006547	.0002390	.0000184
%RSD	.1974345	4.040900	.0310803

#1	.3323714	.0059180	.0590964
#2	.3313351	.0056738	.0590736
#3	.3311600	.0061518	.0590601

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5315.519	77327.23	8615.590	5299.322	5945.399
Stddev	8.742	140.42	25.208	9.227	7.372
%RSD	.1644638	.1815942	.2925856	.1741126	.1240005

#1	5311.353	77214.56	8641.541	5289.594	5940.695
#2	5309.638	77282.58	8614.033	5300.426	5953.896
#3	5325.564	77484.54	8591.197	5307.948	5941.606

Sample Name: Q2452-08 Acquired: 7/1/2025 21:04:53 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001651	-.003877	.0032147	.0068737	-.001871	.0987170	.4163900
Stddev	.002162	.001202	.0005367	.0021967	.000713	.0019677	.0018660
%RSD	130.9424	30.99644	16.69560	31.95827	38.12996	1.993304	.4481483

#1	-.003666	-.004418	.0030648	.0049445	-.001501	.0974643	.4161729
#2	.000633	-.004714	.0038104	.0092646	-.001419	.0977016	.4146420
#3	-.001922	-.002500	.0027689	.0064122	-.002694	.1009850	.4183551

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000699	.0000388	8.655908	.0018579	.0079719	.0073412	3.926787
Stddev	.0000063	.0000116	.054290	.0002606	.0001178	.0004495	.053979
%RSD	8.978318	29.84734	.6272053	14.02513	1.477448	6.123098	1.374640

#1	.0000636	.0000377	8.636869	.0021029	.0079804	.0070323	3.928837
#2	.0000761	.0000509	8.613702	.0015842	.0078502	.0071345	3.979712
#3	.0000699	.0000278	8.717154	.0018868	.0080853	.0078569	3.871812

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.835432	.5916036	.0032406	.0002361	393.5600	-.000064	.1032780
Stddev	.014782	.0182310	.0003309	.0002079	5.1311	.000943	.0001936
%RSD	.3853993	3.081633	10.21202	88.05142	1.303766	1472.488	.1874873

#1	3.845013	.5739749	.0036209	.0000031	396.0264	-.001147	.1030566
#2	3.818408	.6103825	.0030176	.0004027	396.9923	.000383	.1034157
#3	3.842875	.5904534	.0030834	.0003024	387.6615	.000572	.1033617

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.404527	.0534293	-.000147	-.007647	.0004294	.6520920	.0072792
Stddev	.055001	.0001298	.000045	.000034	.0003569	.0231066	.0009675
%RSD	3.915999	.2429138	30.91059	.4424130	83.11100	3.543458	13.29177

#1	1.382616	.0533117	-.000151	-.007610	.0006965	.6339700	.0075561
#2	1.467107	.0535686	-.000100	-.007654	.0005675	.6781121	.0062034
#3	1.363859	.0534075	-.000190	-.007677	.0000241	.6441939	.0080781

Sample Name: Q2452-08 Acquired: 7/1/2025 21:04:53 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3323541	.0026686	.0695136
Stddev	.0044688	.0008563	.0002786
%RSD	1.344583	32.08670	.4007873

#1	.3361711	.0027068	.0697238
#2	.3274385	.0035051	.0691976
#3	.3334529	.0017939	.0696193

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5317.522	77727.60	8525.209	5363.589	5939.336
Stddev	14.634	300.82	121.185	8.050	3.750
%RSD	.2751968	.3870135	1.421488	.1500779	.0631306

#1	5310.369	77650.02	8537.127	5372.711	5938.002
#2	5334.356	77473.18	8639.995	5357.483	5943.570
#3	5307.841	78059.61	8398.506	5360.572	5936.435

Sample Name: Q2459-04 Acquired: 7/1/2025 21:09:17 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002893	-.002689	-.000816	.0038013	-.000454	.1569218	.2367354
Stddev	.000414	.001895	.001518	.0029632	.001473	.0011151	.0028096
%RSD	14.32695	70.46589	185.9146	77.95309	324.2849	.7106128	1.186793
#1	-.003139	-.000574	-.002206	.0071692	.001246	.1564309	.2336780
#2	-.003126	-.004231	.000804	.0026405	-.001325	.1561364	.2373246
#3	-.002415	-.003261	-.001047	.0015942	-.001284	.1581981	.2392037
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000061	.0006474	40.87793	.0004313	.0000693	.0107500	.0883474
Stddev	.000016	.0000492	.11301	.0000861	.0000437	.0001844	.0042213
%RSD	26.43499	7.607622	.2764580	19.96169	63.05904	1.715141	4.778108
#1	-.000079	.0005925	40.77204	.0003320	.0000195	.0109007	.0926145
#2	-.000050	.0006876	40.86482	.0004836	.0000871	.0105444	.0882544
#3	-.000054	.0006622	40.99692	.0004784	.0001013	.0108048	.0841733
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2221991	1.740535	.0037874	-.000020	457.7742	.0023848	.1613690
Stddev	.0014342	.004572	.0001662	.000091	8.2557	.0031006	.0002722
%RSD	.6454518	.2626537	4.387074	448.5583	1.803433	130.0130	.1686693
#1	.2215699	1.736871	.0039704	.000043	467.3038	.0042989	.1612177
#2	.2211871	1.745658	.0037455	-.000124	452.7957	-.001192	.1612061
#3	.2238404	1.739077	.0036461	.000020	453.2230	.004048	.1616832
Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.755909	.0752301	.0001803	-.008449	.0031427	4.547889	.0204934
Stddev	.028005	.0003732	.0001548	.000088	.0008240	.023917	.0016406
%RSD	1.016187	.4960836	85.88739	1.044565	26.21942	.5258944	8.005305
#1	2.752816	.0751629	.0001680	-.008374	.0028037	4.530796	.0186020
#2	2.729578	.0748951	.0003408	-.008428	.0040822	4.575221	.0215318
#3	2.785332	.0756323	.0000319	-.008547	.0025423	4.537649	.0213462

Sample Name: Q2459-04 Acquired: 7/1/2025 21:09:17 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.325258	-.001240	.2515888
Stddev	.005145	.000740	.0003201
%RSD	.3881959	59.72672	.1272406

#1	1.330817	-.001236	.2512452
#2	1.320664	-.001982	.2516427
#3	1.324292	-.000501	.2518786

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5198.831	75977.03	8445.372	5229.296	5776.106
Stddev	4.997	157.32	76.365	4.818	5.813
%RSD	.0961110	.2070606	.9042267	.0921412	.1006407

#1	5199.373	75841.02	8504.864	5223.934	5769.932
#2	5193.586	75940.76	8471.992	5230.693	5776.913
#3	5203.535	76149.32	8359.259	5233.262	5781.473

Sample Name: Q2469-04 Acquired: 7/1/2025 21:13:41 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002903	-.002177	.0044317	.0042228	-.001509	.0407163	.1431237
Stddev	.001119	.001323	.0012621	.0032665	.000676	.0035054	.0016247
%RSD	38.55323	60.76213	28.47829	77.35523	44.80107	8.609410	1.135151

#1	-.003907	-.003611	.0054994	.0070326	-.002200	.0382935	.1421936
#2	-.003105	-.001004	.0030389	.0049971	-.001478	.0391197	.1449997
#3	-.001696	-.001916	.0047570	.0006387	-.000849	.0447359	.1421779

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000200	.0009232	74.74300	-.000070	-.000358	.0058950	.0566967
Stddev	.000040	.0000586	.09589	.000395	.000174	.0006211	.0022697
%RSD	19.83191	6.342298	.1282970	563.3602	48.56664	10.53642	4.003274

#1	-.000156	.0009858	74.73024	.000248	-.000177	.0052753	.0559885
#2	-.000233	.0008698	74.84464	-.000511	-.000375	.0058920	.0548656
#3	-.000210	.0009139	74.65413	.000053	-.000524	.0065175	.0592361

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1212354	3.301116	.0027167	-.000119	372.5773	.0002688	.1667137
Stddev	.0005861	.036491	.0001170	.000259	1.1893	.0010207	.0009689
%RSD	.4834581	1.105424	4.306099	218.7109	.3192217	379.7445	.5811999

#1	.1205815	3.288777	.0028330	-.000413	373.9408	-.000569	.1656052
#2	.1217135	3.342178	.0027179	-.000021	372.0376	.001405	.1673996
#3	.1214112	3.272394	.0025991	.000078	371.7535	-.000030	.1671362

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.780882	.0241615	.0001654	-.008433	.0001711	1.988338	.0933291
Stddev	.058326	.0002649	.0002916	.000306	.0004855	.024324	.0049407
%RSD	1.219977	1.096254	176.3165	3.626356	283.7538	1.223336	5.293852

#1	4.806645	.0240877	-.000083	-.008363	.0004429	2.012884	.0920031
#2	4.714111	.0244554	.000486	-.008168	.0004598	1.964242	.0891867
#3	4.821891	.0239413	.000093	-.008768	-.000389	1.987889	.0987975

Sample Name: Q2469-04 Acquired: 7/1/2025 21:13:41 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.240638	-.003567	.4706916
Stddev	.003512	.001211	.0012975
%RSD	.2831159	33.95809	.2756593

#1	1.244692	-.002440	.4710575
#2	1.238513	-.003413	.4692504
#3	1.238709	-.004848	.4717668

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5270.468	76403.28	8445.395	5241.189	5888.465
Stddev	6.655	738.63	98.677	26.100	1.270
%RSD	.1262767	.9667476	1.168411	.4979767	.0215717

#1	5277.744	75558.35	8414.869	5215.257	5887.593
#2	5268.972	76725.05	8365.588	5240.857	5887.879
#3	5264.689	76926.44	8555.728	5267.453	5889.922

Sample Name: Q2469-04DUP Acquired: 7/1/2025 21:18:05 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002089	-.002278	.0031985	.0037924	-.001989	.0375897	.1427864
Stddev	.001451	.002278	.0019414	.0048661	.001529	.0093860	.0012925
%RSD	69.47029	99.99946	60.69661	128.3141	76.88329	24.96978	.9052356

#1	-.001685	-.002748	.0052533	.0085042	-.001187	.0292852	.1439178
#2	-.003700	-.004285	.0013949	-.001215	-.001027	.0477731	.1430637
#3	-.000883	.000198	.0029474	.004088	-.003752	.0357106	.1413777

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000173	.0009091	74.95882	-.000036	-.000263	.0056688	.0584796
Stddev	.000053	.0000637	.17071	.000290	.000361	.0004218	.0053902
%RSD	30.90678	7.009048	.2277371	807.8660	137.2434	7.440045	9.217276

#1	-.000232	.0008371	75.05511	.000255	-.000326	.0060455	.0640934
#2	-.000127	.0009321	75.05963	-.000038	-.000589	.0057478	.0533449
#3	-.000160	.0009582	74.76172	-.000325	.000125	.0052131	.0580006

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1206614	3.270101	.0027649	-.000737	376.1954	.0012202	.1657096
Stddev	.0004267	.014766	.0002094	.000230	5.0889	.0016304	.0006093
%RSD	.3536645	.4515402	7.574307	31.18401	1.352731	133.6175	.3677173

#1	.1206671	3.286133	.0027117	-.000855	376.3348	.0010862	.1660587
#2	.1210853	3.257059	.0029958	-.000472	371.0382	-.000339	.1650060
#3	.1202319	3.267112	.0025872	-.000884	381.2131	.002913	.1660642

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.837981	.0228131	.0000970	-.008391	-.000469	2.010789	.0894332
Stddev	.033054	.0003259	.0001456	.000151	.000579	.024362	.0008217
%RSD	.6832200	1.428698	150.1397	1.803509	123.3727	1.211551	.9188198

#1	4.799846	.0228258	-.000063	-.008525	-.000049	2.007869	.0890056
#2	4.858407	.0224810	.000132	-.008421	-.001130	2.036479	.0889134
#3	4.855691	.0231325	.000222	-.008226	-.000229	1.988019	.0903805

Sample Name: Q2469-04DUP Acquired: 7/1/2025 21:18:05 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.186805	-.003393	.4722518
Stddev	.006344	.002704	.0012732
%RSD	.5345081	79.66824	.2695989

#1	1.180241	-.006401	.4719056
#2	1.187271	-.002616	.4736624
#3	1.192903	-.001164	.4711876

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5421.478	77308.66	8666.222	5265.496	6083.928
Stddev	13.672	181.37	52.198	7.614	8.101
%RSD	.2521824	.2346105	.6023190	.1445947	.1331573

#1	5437.258	77288.47	8606.150	5257.881	6090.855
#2	5413.987	77138.22	8691.998	5265.498	6085.909
#3	5413.188	77499.28	8700.519	5273.108	6075.020

Sample Name: CCV07 Acquired: 7/1/2025 21:22:30 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.874345	4.596283	4.609494	4.971443	4.989853	9.143832
Stddev	.026976	.056151	.015867	.031365	.020802	.026289
%RSD	.5534338	1.221658	.3442313	.6308945	.4168809	.2875061

#1	4.846233	4.552626	4.591277	4.940434	4.969083	9.168695
#2	4.876780	4.576598	4.620302	4.970743	4.989788	9.116317
#3	4.900021	4.659626	4.616903	5.003152	5.010687	9.146483

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.542611	.2266219	2.293819	22.75937	.9332149	2.328707
Stddev	.212788	.0024069	.005825	.08341	.0010218	.005850
%RSD	2.229868	1.062070	.2539313	.3664848	.1094866	.2512165

#1	9.787682	.2287925	2.287182	22.81693	.9342515	2.321959
#2	9.435365	.2270398	2.296195	22.66372	.9331846	2.331813
#3	9.404786	.2240335	2.298080	22.79747	.9322087	2.332350

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.191453	5.106639	2.301249	23.95404	2.320486	1.221880
Stddev	.004167	.044068	.003932	.08498	.007257	.003138
%RSD	.3497805	.8629467	.1708716	.3547524	.3127383	.2568343

#1	1.186759	5.077440	2.296765	24.04747	2.312596	1.225404
#2	1.192882	5.085148	2.302874	23.88136	2.321987	1.219386
#3	1.194718	5.157329	2.304109	23.93328	2.326875	1.220851

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.44411	2.300696	2.476240	25.60371	F 4.401544	4.873235
Stddev	.46374	.007882	.003471	.27380	.051853	.021827
%RSD	1.689774	.3425722	.1401543	1.069382	1.178065	.4478920

#1	26.98132	2.306203	2.472387	25.39451	4.451884	4.850167
#2	27.44220	2.291668	2.479122	25.50302	4.404448	4.875976
#3	27.90880	2.304217	2.477209	25.91360	4.348300	4.893561

Sample Name: CCV07 Acquired: 7/1/2025 21:22:30 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV07 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.598653	4.624374	5.035064	4.554738	4.687784	4.813832
Stddev	.013457	.012764	.060136	.025676	.013039	.013250
%RSD	.2926360	.2760263	1.194349	.5637143	.2781547	.2752414

#1	4.583172	4.629045	5.000813	4.528075	4.682378	4.816935
#2	4.605235	4.609932	4.999878	4.556841	4.678316	4.799306
#3	4.607552	4.634145	5.104501	4.579297	4.702656	4.825255

Elem	Sr4077
Units	ppm
Avg	4.710927
Stddev	.037038
%RSD	.7862244

#1	4.752902
#2	4.682837
#3	4.697044

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5619.173	77130.94	8367.351	5311.332	6405.887
Stddev	35.469	266.70	48.510	18.677	35.847
%RSD	.6312131	.3457784	.5797593	.3516496	.5596001

#1	5659.920	77364.53	8326.846	5316.209	6447.085
#2	5595.225	77187.94	8354.096	5327.086	6381.817
#3	5602.373	76840.34	8421.112	5290.700	6388.759

Sample Name: CCB07 Acquired: 7/1/2025 21:27:04 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003215	.0008662	-.000920	.0024687	.0000772	-.006250
Stddev	.0004321	.0008399	.000944	.0026668	.0020576	.006598
%RSD	134.3811	96.95882	102.6120	108.0235	2663.490	105.5703

#1	.0000823	.0006962	.000168	.0025366	-.000020	-.013858
#2	.0000620	.0001243	-.001528	.0051009	.002182	-.002803
#3	.0008204	.0017781	-.001400	-.000231	-.001930	-.002089

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.027312	-.000102	.0000789	-.004179	.0002267	-.000105
Stddev	.001791	.000025	.0000287	.003847	.0002528	.000132
%RSD	6.558697	24.17800	36.39886	92.06238	111.4965	125.8217

#1	-.025252	-.000094	.0001110	-.007898	.0004396	-.000205
#2	-.028183	-.000130	.0000696	-.000216	-.000053	.000044
#3	-.028502	-.000082	.0000559	-.004423	.000293	-.000153

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000559	.0005060	-.000086	-.011414	.0000061	.0000546
Stddev	.000423	.0028799	.000169	.011077	.0001808	.0000693
%RSD	75.67622	569.2001	197.3319	97.04311	2959.026	126.9127

#1	-.000890	-.000565	.000053	.000572	-.000177	-.000023
#2	-.000082	.003768	-.000036	-.021273	.000010	.000077
#3	-.000706	-.001685	-.000274	-.013542	.000185	.000110

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9426698	.0001106	.0002046	.3043663	.0015883	.0007656
Stddev	.0297264	.0026722	.0001572	.0184685	.0005811	.0001897
%RSD	3.153428	2416.610	76.80782	6.067866	36.58862	24.78021

#1	.9646744	-.002140	.0003860	.3113689	.0015411	.0009196
#2	.9544821	-.000592	.0001093	.2834205	.0021915	.0005537
#3	.9088528	.003064	.0001185	.3183094	.0010322	.0008236

Sample Name: CCB07 Acquired: 7/1/2025 21:27:04 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB07 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035999	.0017844	.0097848	.0052344	-.000356	F .0255770
Stddev	.0003172	.0003764	.0129210	.0025050	.000689	.0018050
%RSD	8.811396	21.09640	132.0512	47.85664	193.4383	7.056937

#1	.0034657	.0013545	.0023884	.0080500	-.000414	.0242579
#2	.0039622	.0019433	.0022615	.0044005	.000360	.0276340
#3	.0033719	.0020552	.0247044	.0032527	-.001015	.0248390

Elem	Sr4077
Units	ppm
Avg	.0000799
Stddev	.0000108
%RSD	13.47837

#1	.0000915
#2	.0000781
#3	.0000702

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5632.672	83765.90	8718.487	5660.976	6689.459
Stddev	6.760	41.10	62.358	16.251	6.854
%RSD	.1200180	.0490598	.7152342	.2870699	.1024557

#1	5635.568	83813.34	8653.168	5666.525	6695.898
#2	5637.503	83741.58	8777.387	5642.677	6690.226
#3	5624.947	83742.76	8724.905	5673.726	6682.255

Sample Name: Q2469-04LX5 Acquired: 7/1/2025 21:34:05 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004941	-.001171	-.000250	.0028194	-.001756	.0060070	.0061409
Stddev	.0012650	.000571	.000481	.0031438	.000855	.0049655	.0005682
%RSD	256.0021	48.78267	192.8792	111.5070	48.70367	82.66205	9.252955

#1	.0015406	-.001207	-.000014	.0064495	-.000944	.0115591	.0067670
#2	-.000912	-.000582	.000069	.0010150	-.001676	.0044707	.0056581
#3	.000854	-.001722	-.000803	.0009937	-.002648	.0019912	.0059975

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000150	.0002398	15.21318	.0001469	-.000152	.0011085	.0130258
Stddev	.000039	.0001026	.03537	.0000298	.000202	.0001500	.0061461
%RSD	26.10706	42.76642	.2324736	20.28656	133.0075	13.53031	47.18411

#1	-.000168	.0002767	15.20257	.0001678	-.000381	.0011555	.0147416
#2	-.000178	.0001239	15.25264	.0001128	.000002	.0012293	.0181316
#3	-.000106	.0003188	15.18434	.0001600	-.000077	.0009406	.0062041

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0243350	.6691613	.0006635	-.000121	64.12777	.0025851	.0344733
Stddev	.0002444	.0129734	.0002007	.000638	.11122	.0015767	.0001969
%RSD	1.004430	1.938747	30.24987	528.0165	.1734286	60.99084	.5713148

#1	.0245351	.6744192	.0006166	.000205	64.15852	.0011753	.0344829
#2	.0240626	.6786803	.0008835	-.000857	64.22038	.0042877	.0342717
#3	.0244073	.6543844	.0004904	.000289	64.00442	.0022925	.0346652

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.180291	.0040317	.0000843	.0009373	.0006594	.4432673	.0233903
Stddev	.076400	.0002753	.0001365	.0006896	.0003761	.0172546	.0022734
%RSD	6.473008	6.828684	161.8895	73.56936	57.03203	3.892591	9.719550

#1	1.263917	.0042404	.0002389	.0017335	.0010550	.4379920	.0233240
#2	1.114148	.0041351	.0000339	.0005350	.0006168	.4625438	.0256961
#3	1.162807	.0037197	-.000020	.0005434	.0003065	.4292662	.0211507

Sample Name: Q2469-04LX5 Acquired: 7/1/2025 21:34:05 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2403924	.0173154	.0970135
Stddev	.0033511	.0011413	.0000825
%RSD	1.394020	6.591221	.0850173

#1	.2410445	.0163114	.0970564
#2	.2367632	.0185567	.0969184
#3	.2433695	.0170780	.0970657

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5511.966	74031.58	8820.327	5149.929	6348.606
Stddev	23.424	150.44	6.495	1.519	26.982
%RSD	.4249744	.2032098	.0736341	.0294994	.4250031

#1	5496.684	73990.94	8827.492	5148.342	6336.895
#2	5538.934	73905.63	8814.825	5151.370	6379.465
#3	5500.280	74198.16	8818.665	5150.074	6329.459

Sample Name: Q2469-04MS Acquired: 7/1/2025 21:38:22 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7140605	1.516009	.7811541	1.819241	.8189707	1.556729	.2987108
Stddev	.0218323	.053911	.0216983	.053658	.0265843	.004200	.0024187
%RSD	3.057483	3.556112	2.777718	2.949454	3.246067	.2697772	.8097022

#1	.7102182	1.486080	.7737941	1.809942	.8138902	1.553072	.2979561
#2	.7375589	1.578245	.8055750	1.876940	.8477287	1.555798	.2967595
#3	.6944045	1.483702	.7640931	1.770841	.7952933	1.561316	.3014169

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1486360	.1618343	79.54417	.3105311	.1647145	.2558891	2.555740
Stddev	.0013167	.0046099	.27401	.0006348	.0048462	.0080108	.010979
%RSD	.8858701	2.848565	.3444802	.2044337	2.942203	3.130574	.4295832

#1	.1481349	.1602784	79.26731	.3103366	.1635241	.2542796	2.553580
#2	.1476433	.1670209	79.54997	.3100162	.1700450	.2645824	2.567638
#3	.1501297	.1582036	79.81524	.3112404	.1605744	.2488052	2.546001

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2801474	4.858597	.4135874	.0589755	312.1181	.2307419	.3387696
Stddev	.0014434	.007854	.0116086	.0002294	2.0392	.0028110	.0009848
%RSD	.5152265	.1616509	2.806814	.3889606	.6533510	1.218251	.2906977

#1	.2784867	4.852581	.4106646	.0587974	313.6727	.2328661	.3381724
#2	.2808559	4.867482	.4263781	.0588947	309.8092	.2275543	.3382302
#3	.2810997	4.855727	.4037195	.0592343	312.8724	.2318053	.3399063

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.53217	.2260119	.3972525	.6431177	.1743055	2.889315	5.286386
Stddev	.14544	.0027808	.0119369	.0172422	.0014840	.014612	.156150
%RSD	1.074778	1.230377	3.004870	2.681036	.8513973	.5057397	2.953807

#1	13.63850	.2232815	.3951081	.6374356	.1744983	2.889123	5.222695
#2	13.59157	.2259137	.4101164	.6624839	.1727345	2.904023	5.464315
#3	13.36643	.2288405	.3865332	.6294336	.1756838	2.874800	5.172148

Sample Name: Q2469-04MS Acquired: 7/1/2025 21:38:22 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.331809	.1610186	.6660738
Stddev	.042399	.0007675	.0011989
%RSD	3.183573	.4766765	.1799971

#1	1.321102	.1617872	.6658596
#2	1.378535	.1610165	.6673654
#3	1.295789	.1602522	.6649965

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5113.840	80252.72	8670.834	5384.178	5716.199
Stddev	128.560	168.09	103.048	10.654	134.312
%RSD	2.513963	.2094533	1.188449	.1978725	2.349678

#1	5144.835	80238.88	8728.204	5395.627	5755.520
#2	4972.616	80427.31	8732.429	5374.556	5566.615
#3	5224.069	80091.98	8551.869	5382.351	5826.462

Sample Name: Q2469-04MSD Acquired: 7/1/2025 21:42:30 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By: jasw
On: 7/2/2025 4:45:
PM
Inst Id : P4
LB : LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7588658	1.631319	.8411445	1.928533	.6498269	1.659246	.3148999
Stddev	.0014277	.024030	.0019654	.009337	.0028059	.009804	.0006588
%RSD	.1881379	1.473031	.2336530	.4841386	.4317950	.5908602	.2092190

#1	.7595883	1.604124	.8397222	1.922523	.6489008	1.647948	.3141470
#2	.7572212	1.640146	.8403241	1.939290	.6476012	1.665508	.3153705
#3	.7597878	1.649687	.8433871	1.923786	.6529789	1.664283	.3151823

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1647099	.1739363	80.23636	.3382468	.1764692	.2718640	2.930263
Stddev	.0004698	.0003603	.14285	.0016969	.0007979	.0004446	.019892
%RSD	.2852320	.2071649	.1780346	.5016698	.4521725	.1635259	.6788497

#1	.1649986	.1737285	80.36467	.3397442	.1764883	.2722834	2.939373
#2	.1649634	.1737280	80.26197	.3364037	.1756619	.2713979	2.907447
#3	.1641678	.1743523	80.08243	.3385927	.1772575	.2719108	2.943969

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2943673	5.026715	.4444494	.0633498	296.7816	.2495990	.3510119
Stddev	.0007132	.015004	.0013120	.0002900	5.8579	.0011923	.0003203
%RSD	.2422831	.2984801	.2951876	.4577313	1.973801	.4777035	.0912455

#1	.2950897	5.031773	.4443537	.0636846	303.5278	.2496379	.3507986
#2	.2936637	5.038535	.4431878	.0631841	292.9824	.2483876	.3508569
#3	.2943486	5.009835	.4458065	.0631806	293.8347	.2507714	.3513802

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.00308	.2474444	.3182492	.5184769	.1404156	2.699836	5.732224
Stddev	.03790	.0021349	.0001129	.0022462	.0005333	.028377	.038148
%RSD	.2706902	.8627647	.0354582	.4332320	.3798017	1.051067	.6654990

#1	13.98880	.2468483	.3183012	.5196423	.1398059	2.703424	5.690216
#2	13.97438	.2498140	.3181198	.5158875	.1407954	2.669835	5.741748
#3	14.04604	.2456710	.3183268	.5199008	.1406455	2.726248	5.764707

Sample Name: Q2469-04MSD Acquired: 7/1/2025 21:42:30 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.325728	.1721645	.6695877
Stddev	.008493	.0007880	.0015744
%RSD	.6406624	.4577078	.2351241

#1	1.322196	.1729740	.6706679
#2	1.319570	.1721197	.6677813
#3	1.335417	.1713999	.6703139

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5138.384	79137.65	8356.742	5369.651	5713.539
Stddev	16.520	475.34	25.919	1.495	18.115
%RSD	.3215036	.6006463	.3101584	.0278422	.3170533

#1	5155.675	78844.06	8327.250	5371.087	5729.096
#2	5136.718	79686.06	8367.077	5369.764	5717.869
#3	5122.761	78882.82	8375.900	5368.103	5693.651

Sample Name: Q2469-04A Acquired: 7/1/2025 21:46:38 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7320679	1.629892	.8195880	1.860685	.7404222	1.671855	.3049361
Stddev	.0022821	.038504	.0058811	.001532	.0016093	.008567	.0008217
%RSD	.3117295	2.362366	.7175648	.0823549	.2173436	.5124485	.2694619

#1	.7294454	1.585560	.8155266	1.859304	.7394502	1.678233	.3058712
#2	.7336022	1.649133	.8169053	1.860417	.7395366	1.662116	.3043295
#3	.7331562	1.654982	.8263320	1.862334	.7422797	1.675214	.3046076

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1653757	.1702589	75.51163	.3401998	.1732407	.2655934	2.818173
Stddev	.0013189	.0011791	.09522	.0006235	.0008954	.0007119	.002776
%RSD	.7975189	.6925415	.1260950	.1832659	.5168336	.2680555	.0985106

#1	.1667932	.1694264	75.62129	.3395082	.1726110	.2655656	2.816229
#2	.1651491	.1697422	75.44995	.3403725	.1728453	.2648958	2.816938
#3	.1641848	.1716082	75.46366	.3407187	.1742657	.2663188	2.821353

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2856084	4.832716	.4343001	.0643539	287.8478	.2484309	.3504405
Stddev	.0013737	.027260	.0018974	.0001958	1.2095	.0029499	.0019100
%RSD	.4809752	.5640695	.4368806	.3043008	.4202028	1.187392	.5450160

#1	.2871914	4.863915	.4329900	.0645749	288.9254	.2501745	.3511922
#2	.2847287	4.820731	.4334344	.0642018	286.5395	.2500932	.3518601
#3	.2849052	4.813503	.4364759	.0642850	288.0785	.2450250	.3482690

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.11288	.2468581	.3702618	.5911748	.1649760	2.759004	5.428244
Stddev	.05979	.0021886	.0008861	.0046309	.0004001	.006884	.030957
%RSD	.4236294	.8865874	.2393161	.7833311	.2425419	.2494980	.5702908

#1	14.04385	.2491780	.3693478	.5906732	.1645226	2.754404	5.397939
#2	14.14795	.2465662	.3703205	.5868151	.1651261	2.766918	5.426978
#3	14.14683	.2448300	.3711171	.5960360	.1652794	2.755690	5.459814

Sample Name: Q2469-04A Acquired: 7/1/2025 21:46:38 Type: Unk
 Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
 User: Jaswal Custom ID1: Custom ID2: Custom ID3:
 Comment:

Reviewed By:jasw
 On:7/2/2025 4:45:
 PM
 Inst Id :P4
 LB :LB136344

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.178878	.1726140	.6393569
Stddev	.006200	.0016298	.0008102
%RSD	.5258903	.9441792	.1267190

#1	1.171865	.1718015	.6388568
#2	1.181137	.1715502	.6389223
#3	1.183631	.1744903	.6402917

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5384.854	77418.67	8406.086	5292.334	6031.093
Stddev	8.845	230.01	68.565	29.727	22.328
%RSD	.1642595	.2970934	.8156545	.5617040	.3702132

#1	5382.399	77171.57	8329.509	5264.856	6039.386
#2	5394.668	77457.90	8426.965	5288.257	6048.087
#3	5377.496	77626.54	8461.784	5323.890	6005.805

Sample Name: CCV08 Acquired: 7/1/2025 21:50:47 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.035344	4.705745	4.694253	5.169327	5.105056	9.278119
Stddev	.022723	.024341	.011112	.017004	.023526	.076223
%RSD	.4512782	.5172507	.2367135	.3289323	.4608360	.8215336

#1	5.023369	4.697110	4.683964	5.168842	5.111465	9.224318
#2	5.021114	4.686900	4.692758	5.152572	5.078990	9.365344
#3	5.061551	4.733226	4.706037	5.186568	5.124714	9.244696

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.532946	2.376007	2.346451	23.09908	9.385129	2.369571
Stddev	.091204	.0037033	.004060	.16031	.0011967	.004315
%RSD	.9567207	1.558606	.1730239	.6940060	.1275158	.1821030

#1	9.477050	2.335794	2.343983	22.96414	9.384826	2.367478
#2	9.638191	2.408707	2.344232	23.27629	9.397245	2.366702
#3	9.483597	2.383518	2.351136	23.05680	9.373316	2.374534

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.226290	5.083977	2.315054	23.50433	2.367948	1.229023
Stddev	.004545	.052693	.025402	.24630	.003103	.003299
%RSD	.3705931	1.036456	1.097248	1.047896	.1310275	.2684484

#1	1.225325	5.143885	2.300289	23.28556	2.367510	1.226309
#2	1.222305	5.063235	2.344385	23.77110	2.365087	1.232695
#3	1.231239	5.044812	2.300487	23.45633	2.371246	1.228064

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.94581	2.329482	2.526449	25.73380	F 4.484807	4.909267
Stddev	.03191	.014466	.011583	.22840	.061372	.014172
%RSD	.1332398	.6209999	.4584861	.8875315	1.368443	.2886857

#1	23.97845	2.318658	2.514799	25.99411	4.418208	4.904426
#2	23.91469	2.345912	2.537965	25.64027	4.539081	4.898150
#3	23.94428	2.323875	2.526584	25.56701	4.497131	4.925226

Sample Name: CCV08 Acquired: 7/1/2025 21:50:47 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV08 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.694801	4.680732	4.977204	4.707003	4.906020	4.864333
Stddev	.012338	.028744	.035817	.013639	.026385	.033162
%RSD	.2627909	.6140959	.7196157	.2897543	.5378146	.6817355

#1	4.686957	4.670193	5.017875	4.699206	4.907578	4.851131
#2	4.688423	4.713258	4.963369	4.699051	4.878890	4.902062
#3	4.709022	4.658745	4.950368	4.722751	4.931591	4.839805

Elem	Sr4077
Units	ppm
Avg	4.751084
Stddev	.072875
%RSD	1.533854

#1	4.705988
#2	4.835158
#3	4.712105

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5545.126	78406.55	8313.437	5390.939	6312.199
Stddev	11.526	43.38	111.538	15.290	5.513
%RSD	.2078626	.0553321	1.341659	.2836265	.0873397

#1	5549.492	78415.24	8430.838	5405.979	6316.572
#2	5553.831	78359.48	8208.873	5375.411	6314.019
#3	5532.054	78444.94	8300.599	5391.426	6306.006

Sample Name: CCB08 Acquired: 7/1/2025 21:54:57 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002139	.0013719	-.000450	.0019311	-.000816	-.014176
Stddev	.0007954	.0001945	.001217	.0007233	.000346	.003395
%RSD	371.9201	14.17379	270.4444	37.45209	42.38847	23.94679

#1	.0002550	.0011607	-.000591	.0014792	-.000944	-.017504
#2	.0009878	.0014116	-.001589	.0027653	-.000424	-.014307
#3	-.000601	.0015434	.000831	.0015489	-.001079	-.010718

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.021194	-.000051	.0001213	.0655526	-.000204	-.000048
Stddev	.001164	.000032	.0000235	.0033451	.000090	.000117
%RSD	5.491538	62.01311	19.34336	5.102966	44.17782	246.3084

#1	-.020534	-.000056	.0001122	.0650242	-.000126	-.000164
#2	-.022538	-.000017	.0001038	.0691305	-.000303	.000070
#3	-.020510	-.000081	.0001479	.0625031	-.000184	-.000049

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000129	.0025047	-.000061	-.028660	-.000036	.0000195
Stddev	.000191	.0026079	.000351	.031119	.000066	.0000883
%RSD	148.5134	104.1224	571.8732	108.5829	181.1379	452.8464

#1	-.000251	.0033178	-.000452	-.060199	.000035	-.000019
#2	.000092	-.000413	.000230	-.027801	-.000094	.000120
#3	-.000226	.004609	.000038	.002022	-.000050	-.000043

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4927584	.0007374	.0021716	.1639203	.0031136	.0009883
Stddev	.0154746	.0007647	.0001185	.0156036	.0006362	.0001328
%RSD	3.140403	103.7017	5.458761	9.519012	20.43311	13.43450

#1	.5088637	.0015870	.0020537	.1467788	.0029376	.0010455
#2	.4914085	.0001042	.0021704	.1676849	.0025839	.0010828
#3	.4780030	.0005211	.0022908	.1772972	.0038193	.0008365

Sample Name: CCB08 Acquired: 7/1/2025 21:54:57 Type: Unk
Method: 6010-200.7 NEW(v20) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB08 Custom ID2: Custom ID3:
Comment:

Reviewed By:jasw
On:7/2/2025 4:45:
PM
Inst Id :P4
LB :LB136344

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002781	.0005100	.0077711	.0057564	-.001153	F .0167133
Stddev	.0004320	.0006760	.0083897	.0016109	.002039	.0011371
%RSD	155.3385	132.5433	107.9611	27.98546	176.7381	6.803664

#1	-.000197	.0003212	.0053981	.0061603	-.003384	.0169453
#2	.000384	-.000051	.0008234	.0039819	.000614	.0154781
#3	.000647	.001260	.0170917	.0071269	-.000690	.0177166

Elem	Sr4077
Units	ppm
Avg	.0002522
Stddev	.0000814
%RSD	32.27021

#1	.0001634
#2	.0002697
#3	.0003233

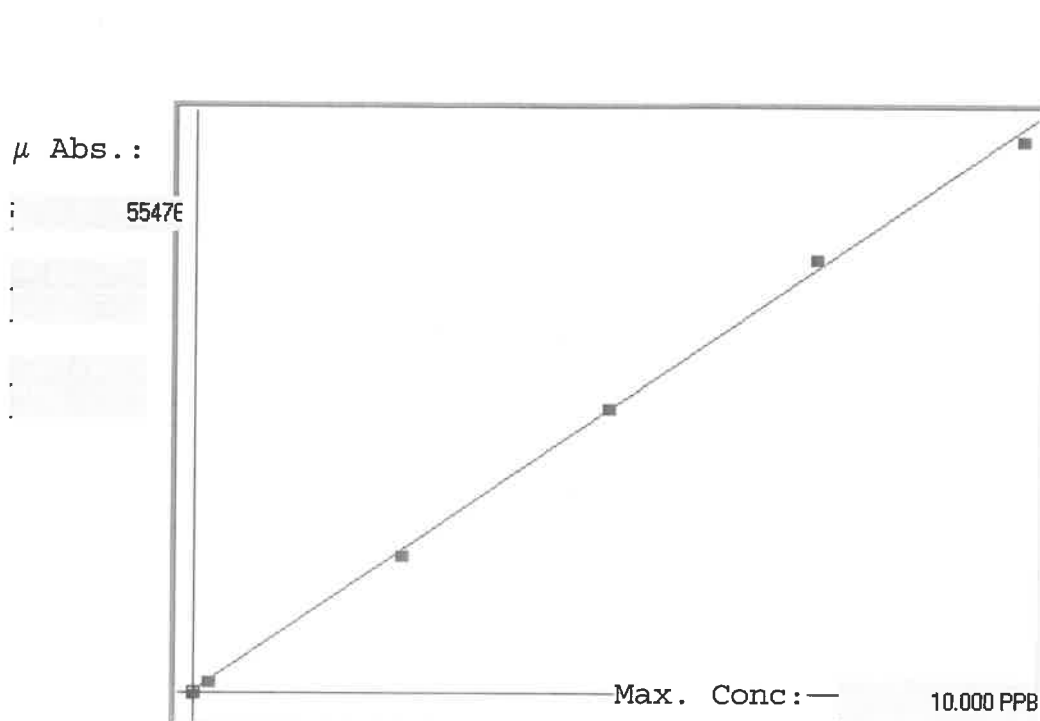
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5604.555	83404.49	8530.309	5663.390	6665.635
Stddev	24.087	192.61	41.884	10.938	28.835
%RSD	.4297774	.2309308	.4910043	.1931347	.4325977

#1	5608.011	83182.11	8483.305	5651.651	6677.739
#2	5626.727	83512.62	8563.674	5673.295	6686.445
#3	5578.927	83518.74	8543.947	5665.225	6632.720

LB136329

7471B

INSTRUMENT ID: CV2



Linear

A= 0.0000e+000

B= 1.7741e-004

C= -3.2620e-002

Rho= 0.9994127

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	0/2)
0.0	0.000	-0.002	-0.002	171	0.000	171					
0.2	0.200	0.175	-0.025	1172	0.0 %	1172					-13
2.5	2.500	2.440	-0.060	13939	0.0 %	13939					-2
5.0	5.000	5.046	0.046	28627	0.0 %	28627					1
7.5	7.500	7.731	0.231	43760	0.0 %	43760					2
10.0	10.000	9.810	-0.190	55476	0.0 %	55476					-2

LB136329 INSTRUMENT ID : CV1

Method: 7471B Operator: Admin Date of Analysis: 30 Jun 2025 12:38:02

Type	Sample ID	Extended ID	Conc.	μ Abs.	Units	Date	Type	Std	Conc	Method
S	0.0 - 1	50	-	171	PPB	30 Jun 2025 12:46:38	Std	0.0000	7471B	
S	0.2 - 1	50.2	-	1172	PPB	30 Jun 2025 12:52:20	Std	0.2000	7471B	
S	2.5 - 1	52.5	-	13939	PPB	30 Jun 2025 13:09:23	Std	2.5000	7471B	
S	5.0 - 1	55	-	28627	PPB	30 Jun 2025 13:14:25	Std	5.0000	7471B	
S	7.5 - 1	57.5	-	43760	PPB	30 Jun 2025 13:16:44	Std	7.5000	7471B	
S	10.0 - 1	516	-	55476	PPB	30 Jun 2025 13:26:17	Std	10.0000	7471B	
U	ICV12 - 1	ICV12	3.6368	20683	PPB	30 Jun 2025 13:29:23	SMPL	-	7471B	
U	ICB12 - 1	ICB12	-0.0617	-164	PPB	30 Jun 2025 13:31:38	SMPL	-	7471B	
U	CCV36 - 1	CCV36	4.9876	28297	PPB	30 Jun 2025 13:33:56	SMPL	-	7471B	
U	CCB36 - 1	CCB36	-0.0738	-232	PPB	30 Jun 2025 13:36:11	SMPL	-	7471B	
U	CRA - 1	CRA	0.1783	1189	PPB	30 Jun 2025 13:38:28	SMPL	-	7471B	
U	HighStd - 1	HighStd	9.9678	56368	PPB	30 Jun 2025 13:40:43	SMPL	-	7471B	
U	ChkStd - 1	ChkStd	7.2566	41086	PPB	30 Jun 2025 13:42:59	SMPL	-	7471B	
U	PB168665BL - 1	PBS	-0.0246	45	PPB	30 Jun 2025 13:48:05	SMPL	-	7471B	
U	Q2429-01 - 1	TP-4	0.2511	1599	PPB	30 Jun 2025 13:52:37	SMPL	-	7471B	
U	Q2430-01 - 1	MH-E/F	0.0520	477	PPB	30 Jun 2025 13:54:54	SMPL	-	7471B	
U	Q2436-01 - 1	TP-70	-0.0088	134	PPB	30 Jun 2025 13:57:11	SMPL	-	7471B	
U	Q2436-02 - 1	TP-69	0.3105	1934	PPB	30 Jun 2025 13:59:28	SMPL	-	7471B	
U	Q2436-03 - 1	TP-85	0.0536	486	PPB	30 Jun 2025 14:01:43	SMPL	-	7471B	
U	CCV37 - 1	CCV37	5.0829	28834	PPB	30 Jun 2025 14:03:59	SMPL	-	7471B	
U	CCB37 - 1	CCB37	-0.0835	-287	PPB	30 Jun 2025 14:06:14	SMPL	-	7471B	
U	Q2436-04 - 1	TP-86	0.0699	578	PPB	30 Jun 2025 14:08:35	SMPL	-	7471B	
U	Q2436-05 - 1	TP-84	0.0692	574	PPB	30 Jun 2025 14:10:50	SMPL	-	7471B	
U	Q2436-06 - 1	TP-83	0.1473	1014	PPB	30 Jun 2025 14:13:06	SMPL	-	7471B	
U	Q2436-07 - 1	TP-87	0.1441	996	PPB	30 Jun 2025 14:15:21	SMPL	-	7471B	
U	Q2436-08 - 1	TP-100	0.1331	934	PPB	30 Jun 2025 14:17:37	SMPL	-	7471B	
U	Q2436-09 - 1	TP-99	0.0444	434	PPB	30 Jun 2025 14:19:53	SMPL	-	7471B	
U	Q2436-10 - 1	TP-82	0.0680	567	PPB	30 Jun 2025 14:22:09	SMPL	-	7471B	
U	Q2442-01 - 1	500-3B	-0.0273	30	PPB	30 Jun 2025 14:24:26	SMPL	-	7471B	
U	Q2452-01 - 1	TP-5	0.0176	283	PPB	30 Jun 2025 14:26:43	SMPL	-	7471B	
U	Q2452-05 - 1	EP-2	0.2379	1525	PPB	30 Jun 2025 14:28:59	SMPL	-	7471B	
U	CCV38 - 1	CCV38	5.1650	29297	PPB	30 Jun 2025 14:31:14	SMPL	-	7471B	
U	CCB38 - 1	CCB38	-0.0857	-299	PPB	30 Jun 2025 14:33:29	SMPL	-	7471B	
U	Q2452-05DUP - 1	EP-2DUP	0.2401	1537	PPB	30 Jun 2025 14:35:49	SMPL	-	7471B	
U	Q2452-05MS - 1	EP-2MS	4.0539	23034	PPB	30 Jun 2025 14:46:32	SMPL	-	7471B	
U	Q2452-05MSD - 1	EP-2MSD	4.3220	24545	PPB	30 Jun 2025 14:48:46	SMPL	-	7471B	
U	Q2452-05LX5 - 1		0.0006	187	PPB	30 Jun 2025 14:51:05	SMPL	-	7471B	
U	Q2452-05A - 1		3.8937	22131	PPB	30 Jun 2025 14:53:24	SMPL	-	7471B	
U	PB168665BS - 1	LCSS	3.6207	20592	PPB	30 Jun 2025 14:55:40	SMPL	-	7471B	
U	CCV39 - 1	CCV39	4.9976	28353	PPB	30 Jun 2025 14:57:59	SMPL	-	7471B	
U	CCB39 - 1	CCB39	-0.0722	-223	PPB	30 Jun 2025 15:00:19	SMPL	-	7471B	

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 #5 2. N/A

Start Digest Date: 06/27/2025 Time : 13:05 Temp : 96 °C

End Digest Date: 06/27/2025 Time : 15:12 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #5

Dig Technician Signature: *SLB*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6007
LFS-2	1.00	M6015
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
CONC: HNO3	5.00	M6158
1:1 HNO3	10.00	MP84041
30% H2O2	3.00	M6162
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#5 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/27/25 16:12	<i>SLB mcb djo</i>	<i>SLB (Medina) Coad</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB168648BL	PBS648	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB168648BS	LCS648	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6007,M6015	2
Q2429-01	TP-4	N/A	2.19	100	Brown	Yellow	Medium	N/A	N/A	3
Q2430-01	MH-E/F	N/A	2.36	100	Brown	Yellow	Medium	N/A	N/A	4
Q2436-01	TP-70	N/A	2.29	100	Brown	Yellow	Medium	N/A	N/A	5
Q2436-02	TP-69	N/A	2.48	100	Brown	Yellow	Medium	N/A	N/A	6
Q2436-03	TP-85	N/A	2.32	100	Brown	Yellow	Medium	N/A	N/A	7
Q2436-04	TP-86	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	8
Q2436-05	TP-84	N/A	2.29	100	Brown	Yellow	Medium	N/A	N/A	9
Q2436-06	TP-83	N/A	2.10	100	Brown	Yellow	Medium	N/A	N/A	10
Q2436-07	TP-87	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	11
Q2436-08	TP-100	N/A	2.18	100	Brown	Yellow	Medium	N/A	N/A	12
Q2436-09	TP-99	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	13
Q2436-10	TP-82	N/A	2.16	100	Brown	Yellow	Medium	N/A	N/A	14
Q2436-10MS	TP-82MS	N/A	2.15	100	Brown	Yellow	Medium	N/A	M6007,M6015	16
Q2436-10MSD	TP-82MSD	N/A	2.26	100	Brown	Yellow	Medium	N/A	M6007,M6015	17
Q2436-10DUP	TP-82DUP	N/A	2.35	100	Brown	Yellow	Medium	N/A	N/A	15

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB168648

Worklist ID : 19043

Department : Digestion

Date : 06-27-2025 11:32:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2429-01	TP-4	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG03	A53	06/26/2025	6010D
Q2430-01	MH-E/F	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG03	A53	06/26/2025	6010D
Q2436-01	TP-70	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/25/2025	6010D
Q2436-02	TP-69	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/25/2025	6010D
Q2436-03	TP-85	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/25/2025	6010D
Q2436-04	TP-86	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/25/2025	6010D
Q2436-05	TP-84	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/25/2025	6010D
Q2436-06	TP-83	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/25/2025	6010D
Q2436-07	TP-87	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/25/2025	6010D
Q2436-08	TP-100	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/26/2025	6010D
Q2436-09	TP-99	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/26/2025	6010D
Q2436-10	TP-82	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/26/2025	6010D

Date/Time 06/27/25 11:55

Raw Sample Received by: S13.mch.dig

Raw Sample Relinquished by: [Signature]

Date/Time 06/27/25

Raw Sample Received by: [Signature] 12:55

Raw Sample Relinquished by: S18.mch.dig

SOP ID : M7471B-Mercury-18

SDG No : N/A

Matrix : SOIL

Pipette ID: HG A

Balance ID : M SC-3

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #1

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

Start Digest Date: 06/27/2025 Time : 13:20 Temp : 95 °C

End Digest Date: 06/27/2025 Time : 15:50 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MS

Supervisor Signature: 12

Temp : 1. 95°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86230
CCV	30mL	MP86232
CRA	30mL	MP86234
Blank Spike	0.48mL	MP86222
Matrix Spike	0.48mL	MP86222

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP86235
KMnO4 (5%)	4.5mL	MP85893
Hydroxylamine HCL (12%)	2.0mL	MP85895
PTFE Boiling Stones	-----	M5582
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP86223
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86225
2.5 ppb	S2.5	30mL	MP86226
5.0 ppb	S5.0	30mL	MP86227
7.5 ppb	S7.5	30mL	MP86228
10.0 ppb	S10.0	30mL	MP86229
ICV	ICV	30mL	MP86230
ICB	ICB	30mL	MP86231
CCV	CCV	30mL	MP86232
CCB	CCB	30mL	MP86233
CRI	CRI	30mL	MP86234
CHK STD	CHK STD	30mL	MP86235

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/27/2025 16:30	MS ~ MS. Lab	MS ~ MS. Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB168665BL	PBS665	0.50	35	NA	N/A	3-1
PB168665BS	LCS665	0.52	35	NA	MP86222	2
Q2429-01	TP-4	0.51	35	NA	N/A	3
Q2430-01	MH-E/F	0.52	35	NA	N/A	4
Q2436-01	TP-70	0.59	35	NA	N/A	5
Q2436-02	TP-69	0.56	35	NA	N/A	6
Q2436-03	TP-85	0.57	35	NA	N/A	7
Q2436-04	TP-86	0.53	35	NA	N/A	8
Q2436-05	TP-84	0.57	35	NA	N/A	9
Q2436-06	TP-83	0.52	35	NA	N/A	10
Q2436-07	TP-87	0.56	35	NA	N/A	11
Q2436-08	TP-100	0.56	35	NA	N/A	12
Q2436-09	TP-99	0.52	35	NA	N/A	13
Q2436-10	TP-82	0.55	35	NA	N/A	14
Q2442-01	500-3B	0.50	35	NA	N/A	15
Q2452-01	TP-5	0.54	35	NA	N/A	16
Q2452-05	EP-2	0.56	35	NA	N/A	17
Q2452-05DUP	EP-2DUP	0.54	35	NA	N/A	18
Q2452-05MS	EP-2MS	0.57	35	NA	MP86222	19
Q2452-05MSD	EP-2MSD	0.52	35	NA	MP86222	20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 062725_7471

WorkList ID : 190423

Department : Digestion

Date : 06-27-2025 08:07:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2436-01	TP-70	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/25/2025	7471B
Q2436-02	TP-69	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/25/2025	7471B
Q2436-03	TP-85	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/25/2025	7471B
Q2436-04	TP-86	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/25/2025	7471B
Q2436-05	TP-84	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/25/2025	7471B
Q2436-06	TP-83	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/25/2025	7471B
Q2436-07	TP-87	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/25/2025	7471B
Q2436-08	TP-100	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/26/2025	7471B
Q2436-09	TP-99	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/26/2025	7471B
Q2436-10	TP-82	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/26/2025	7471B
Q2429-01	TP-4	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/26/2025	7471B
Q2430-01	MH-E/F	Solid	Mercury	Cool 4 deg C	PSEG03	A53	06/26/2025	7471B
Q2442-01	500-3B	Solid	Mercury	Cool 4 deg C	PSEG03	A53	06/26/2025	7471B
Q2452-01	TP-5	Solid	Mercury	Cool 4 deg C	PSEG03	D41	06/27/2025	7471B
Q2452-05	EP-2	Solid	Mercury	Cool 4 deg C	PSEG03	A22	06/27/2025	7471B
					PSEG03	A22	06/27/2025	7471B

Date/Time 6/23/25 @ 14:00
Raw Sample Received by: AB-Deg, low
Raw Sample Relinquished by: AB-Deg, low

Date/Time 6/23/25 @ 14:00
Raw Sample Received by: AB-Deg, low
Raw Sample Relinquished by: AB-Deg, low



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 06/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:26
Out Date: 06/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136311

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
Q2436-01	TP-70	1	1.15	10.83	11.98	10.04	82.1	
Q2436-02	TP-69	2	1.16	10.29	11.45	9.6	82.0	
Q2436-03	TP-85	3	1.16	10.55	11.71	10.14	85.1	
Q2436-04	TP-86	4	1.18	9.94	11.12	10.00	88.7	
Q2436-05	TP-84	5	1.14	10.40	11.54	10.74	92.3	
Q2436-06	TP-83	6	1.18	10.14	11.32	10.37	90.6	
Q2436-07	TP-87	7	1.18	10.37	11.55	10.5	89.9	
Q2436-08	TP-100	8	1.17	10.27	11.44	9.96	85.6	
Q2436-09	TP-99	9	1.17	10.47	11.64	10.82	92.2	
Q2436-10	TP-82	10	1.12	10.65	11.77	10.92	92.0	
Q2437-05	SVOC-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2437-06	PEST-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q2437-07	PEST-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q2437-08	PCB-GPC-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2437-09	PCB-GPC-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2437-10	SVOC-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q2437-11	PEST-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2437-12	PEST-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q2437-13	PCB-GPC2-BLANK	19	1.00	1.00	2.00	2.00	100.0	
Q2437-14	PCB-GCP2-BLANK-SPIKE	20	1.00	1.00	2.00	2.00	100.0	
Q2440-01	72-11986-1	21	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-02	72-11986-2	22	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-03	72-11931-1	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-04	72-11931-2	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-05	VNJ-227-1	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-06	VNJ-227-2	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-07	RT2917-1	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-08	RT2917-2	28	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 06/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:26
Out Date: 06/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136311

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
Q2442-01	500-3B	29	1.00	1.00	2.00	2.00	100.0	OILY STONE SAMPLE,100% SOLIDS
Q2442-02	500-3B-E2	30	1.00	1.00	2.00	2.00	100.0	OILY STONE SAMPLE,100% SOLIDS
Q2445-01	CONCRETE-PAD-6-27-25	37	1.00	1.00	2.00	2.00	100.0	CONCRETE-PAD-
Q2446-01	MR-BUR-LNG-19	38	1.00	1.00	2.00	2.00	100.0	oil sample
Q2446-03	MR-BUR-LNG-13	39	1.00	1.00	2.00	2.00	100.0	debris
Q2447-01	COMP-1	40	1.14	10.15	11.29	9.9	86.3	
Q2447-02	COMP-1	41	1.18	9.78	10.96	9.00	80.0	
Q2447-04	COMP-2	42	1.15	10.67	11.82	8.28	66.8	
Q2447-05	COMP-2	43	1.12	11.15	12.27	8.69	67.9	
Q2447-06	LAW-25-0100	44	1.11	10.66	11.77	10.75	90.4	
Q2447-07	LAW-25-0100	45	1.12	9.28	10.4	9.51	90.4	
Q2448-01	JEI041K-1-1	46	1.00	1.00	2.00	2.00	100.0	PILC
Q2448-02	JEI041K-1-2	47	1.00	1.00	2.00	2.00	100.0	PILC
Q2449-01	RBR200032	48	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2449-02	RBR200032-E2	49	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2450-01	PL-2-062725	50	1.18	10.26	11.44	10.65	92.3	
Q2450-02	PL-2-062725-E2	51	1.19	10.36	11.55	10.65	91.3	
Q2452-01	TP-5	31	1.13	10.61	11.74	10.83	91.4	
Q2452-02	TP-5-EPH	32	1.13	10.70	11.83	10.44	87.0	
Q2452-03	TP-5-VOC	33	1.18	10.59	11.77	10.84	91.2	
Q2452-05	EP-2	34	1.11	10.66	11.77	10.38	87.0	
Q2452-06	EP-2-EPH	35	1.18	10.01	11.19	10.36	91.7	
Q2452-07	EP-2-VOC	36	1.14	10.43	11.57	10.05	85.4	
Q2457-01	OK-02-062725	52	1.12	10.47	11.59	10.87	93.1	
Q2457-02	OK-02-062725-E2	53	1.19	10.28	11.47	10.75	93.0	

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

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2436-01	TP-70	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-02	TP-69	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-03	TP-85	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-04	TP-86	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-05	TP-84	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-06	TP-83	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-07	TP-87	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-08	TP-100	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2436-09	TP-99	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2436-10	TP-82	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2437-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2437-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2440-01	72-11986-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO

Date/Time 06/24/25 16:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/24/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2440-02	72-11986-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-03	72-11931-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-04	72-11931-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-05	VNJ-227-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-06	VNJ-227-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-07	RT2917-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-08	RT2917-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2442-01	500-3B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2442-02	500-3B-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2445-01	CONCRETE-PAD-6-27-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2446-01	MR-BU-LNG-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2446-03	MR-BU-LNG-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2447-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2447-02	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-04	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-05	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-06	LAW-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-07	LAW-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2448-01	JEI041K-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2448-02	JEI041K-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2449-01	RBR200032	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2449-02		Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO

Date/Time 06/27/25 16:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 06/27/25 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2449-02	RBR200032-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2450-01	PL-02-062725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/27/2025	Chemtech -SO
Q2450-02	PL-02-062725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/27/2025	Chemtech -SO
Q2452-01	TP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-02	TP-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-03	TP-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-05	EP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-06	EP-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-07	EP-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2457-01	OK-02-062725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/27/2025	Chemtech -SO
Q2457-02	OK-02-062725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/27/2025	Chemtech -SO

Date/Time 06/27/25 16:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/27/25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136329

Review By	MOHAN	Review On	7/2/2025 7:55:09 AM
Supervise By		Supervise On	

STD. NAME	STD REF.#
ICAL Standard	MP86223,MP86225,MP86226,MP86227,MP86228,MP86229
ICV Standard	MP86230
CCV Standard	MP86232
ICSA Standard	
CRI Standard	MP86234
LCS Standard	
Chk Standard	MP86231,MP86233,MP86235,MP86237

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/30/25 12:46		MOHAN	OK
2	S0.2	S0.2	CAL2	06/30/25 12:52		MOHAN	OK
3	S2.5	S2.5	CAL3	06/30/25 13:09		MOHAN	OK
4	S5	S5	CAL4	06/30/25 13:14		MOHAN	OK
5	S7.5	S7.5	CAL5	06/30/25 13:16		MOHAN	OK
6	S10	S10	CAL6	06/30/25 13:26		MOHAN	OK
7	ICV12	ICV12	ICV	06/30/25 13:29		MOHAN	OK
8	ICB12	ICB12	ICB	06/30/25 13:31		MOHAN	OK
9	CCV36	CCV36	CCV	06/30/25 13:33		MOHAN	OK
10	CCB36	CCB36	CCB	06/30/25 13:36		MOHAN	OK
11	CRA	CRA	CRDL	06/30/25 13:38		MOHAN	OK
12	HighStd	HighStd	HIGH STD	06/30/25 13:40		MOHAN	OK
13	ChkStd	ChkStd	SAM	06/30/25 13:42		MOHAN	OK
14	PB168665BL	PB168665BL	MB	06/30/25 13:48		MOHAN	OK
15	Q2429-01	TP-4	SAM	06/30/25 13:52		MOHAN	OK
16	Q2430-01	MH-E/F	SAM	06/30/25 13:54		MOHAN	OK
17	Q2436-01	TP-70	SAM	06/30/25 13:57		MOHAN	OK
18	Q2436-02	TP-69	SAM	06/30/25 13:59		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136329

Review By	MOHAN	Review On	7/2/2025 7:55:09 AM
Supervise By		Supervise On	
STD. NAME	STD REF.#		
ICAL Standard	MP86223,MP86225,MP86226,MP86227,MP86228,MP86229		
ICV Standard	MP86230		
CCV Standard	MP86232		
ICSA Standard			
CRI Standard	MP86234		
LCS Standard			
Chk Standard	MP86231,MP86233,MP86235,MP86237		

19	Q2436-03	TP-85	SAM	06/30/25 14:01		MOHAN	OK
20	CCV37	CCV37	CCV	06/30/25 14:03		MOHAN	OK
21	CCB37	CCB37	CCB	06/30/25 14:06		MOHAN	OK
22	Q2436-04	TP-86	SAM	06/30/25 14:08		MOHAN	OK
23	Q2436-05	TP-84	SAM	06/30/25 14:10		MOHAN	OK
24	Q2436-06	TP-83	SAM	06/30/25 14:13		MOHAN	OK
25	Q2436-07	TP-87	SAM	06/30/25 14:15		MOHAN	OK
26	Q2436-08	TP-100	SAM	06/30/25 14:17		MOHAN	OK
27	Q2436-09	TP-99	SAM	06/30/25 14:19		MOHAN	OK
28	Q2436-10	TP-82	SAM	06/30/25 14:22		MOHAN	OK
29	Q2442-01	500-3B	SAM	06/30/25 14:24		MOHAN	OK
30	Q2452-01	TP-5	SAM	06/30/25 14:26		MOHAN	OK
31	Q2452-05	EP-2	SAM	06/30/25 14:28		MOHAN	OK
32	CCV38	CCV38	CCV	06/30/25 14:31		MOHAN	OK
33	CCB38	CCB38	CCB	06/30/25 14:33		MOHAN	OK
34	Q2452-05DUP	EP-2DUP	DUP	06/30/25 14:35		MOHAN	OK
35	Q2452-05MS	EP-2MS	MS	06/30/25 14:46		MOHAN	OK
36	Q2452-05MSD	EP-2MSD	MSD	06/30/25 14:48		MOHAN	OK
37	Q2452-05L	EP-2L	SD	06/30/25 14:51		MOHAN	OK
38	Q2452-05A	EP-2A	PS	06/30/25 14:53		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136329

Review By	MOHAN	Review On	7/2/2025 7:55:09 AM
Supervise By		Supervise On	

STD. NAME	STD REF.#
ICAL Standard	MP86223,MP86225,MP86226,MP86227,MP86228,MP86229
ICV Standard	MP86230
CCV Standard	MP86232
ICSA Standard	
CRI Standard	MP86234
LCS Standard	
Chk Standard	MP86231,MP86233,MP86235,MP86237

39	PB168665BS	PB168665BS	LCS	06/30/25 14:55		MOHAN	OK
40	CCV39	CCV39	CCV	06/30/25 14:57		MOHAN	OK
41	CCB39	CCB39	CCB	06/30/25 15:00		MOHAN	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136344

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard ICV Standard CCV Standard ICSA Standard CRI Standard LCS Standard Chk Standard	

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/01/25 13:04		Jaswal	OK
2	S1	S1	CAL2	07/01/25 13:09		Jaswal	OK
3	S2	S2	CAL3	07/01/25 13:13		Jaswal	OK
4	S3	S3	CAL4	07/01/25 13:17		Jaswal	OK
5	S4	S4	CAL5	07/01/25 13:21		Jaswal	OK
6	S5	S5	CAL6	07/01/25 13:26		Jaswal	OK
7	ICV01	ICV01	ICV	07/01/25 13:30		Jaswal	OK
8	LLICV01	LLICV01	LLICV	07/01/25 13:34		Jaswal	OK
9	ICB01	ICB01	ICB	07/01/25 13:38		Jaswal	OK
10	CRI01	CRI01	CRDL	07/01/25 13:48		Jaswal	OK
11	ICSA01	ICSA01	ICSA	07/01/25 13:52		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	07/01/25 13:56		Jaswal	OK
13	ICSADL	ICSADL	ICSA	07/01/25 14:00		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	07/01/25 14:04		Jaswal	OK
15	CCV01	CCV01	CCV	07/01/25 14:09		Jaswal	OK
16	CCB01	CCB01	CCB	07/01/25 14:23		Jaswal	OK
17	Q2415-04	WC-1	SAM	07/01/25 14:38		Jaswal	OK
18	Q2414-04	WC-1	SAM	07/01/25 14:42		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136344

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard ICV Standard CCV Standard ICSA Standard CRI Standard LCS Standard Chk Standard	

19	Q2416-04	MH-G/H	SAM	07/01/25 15:02		Jaswal	OK
20	Q2420-02	72-11933	SAM	07/01/25 15:07		Jaswal	OK
21	Q2429-04	TP-4	SAM	07/01/25 15:11	Need to Confirm TCLP Result For Ba	Jaswal	OK
22	Q2430-04	MH-E/F	SAM	07/01/25 15:16		Jaswal	OK
23	Q2430-04DUP	MH-E/FDUP	DUP	07/01/25 15:20		Jaswal	OK
24	Q2430-04L	MH-E/FL	SD	07/01/25 15:24		Jaswal	OK
25	Q2430-04MS	MH-E/FMS	MS	07/01/25 15:29		Jaswal	OK
26	Q2430-04MSD	MH-E/FMSD	MSD	07/01/25 15:33		Jaswal	OK
27	CCV02	CCV02	CCV	07/01/25 15:42		Jaswal	OK
28	CCB02	CCB02	CCB	07/01/25 15:46		Jaswal	OK
29	Q2430-04A	MH-E/FA	PS	07/01/25 15:55		Jaswal	OK
30	PB168626TB	PB168626TB	MB	07/01/25 16:00		Jaswal	OK
31	PB168645BL	PB168645BL	MB	07/01/25 16:04		Jaswal	OK
32	PB168645BS	PB168645BS	LCS	07/01/25 16:08		Jaswal	OK
33	PB168663BL	PB168663BL	MB	07/01/25 16:12		Jaswal	OK
34	PB168663BS	PB168663BS	LCS	07/01/25 16:17		Jaswal	OK
35	PB168648BL	PB168648BL	MB	07/01/25 16:21		Jaswal	OK
36	PB168648BS	PB168648BS	LCS	07/01/25 16:25		Jaswal	OK
37	Q2442-01	500-3B	SAM	07/01/25 16:29		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136344

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard ICV Standard CCV Standard ICSA Standard CRI Standard LCS Standard Chk Standard	

38	Q2445-01	CONCRETE-PAD-6-2	SAM	07/01/25 16:33		Jaswal	OK
39	CCV03	CCV03	CCV	07/01/25 16:37		Jaswal	OK
40	CCB03	CCB03	CCB	07/01/25 16:42		Jaswal	OK
41	Q2449-01	RBR200032	SAM	07/01/25 16:46		Jaswal	OK
42	Q2450-01	PL-2-062725	SAM	07/01/25 16:50		Jaswal	OK
43	Q2452-01	TP-5	SAM	07/01/25 16:54		Jaswal	OK
44	Q2452-05	EP-2	SAM	07/01/25 16:58		Jaswal	OK
45	Q2457-01	OK-2-062725	SAM	07/01/25 17:02		Jaswal	OK
46	Q2457-01DUP	OK-2-062725DUP	DUP	07/01/25 17:06		Jaswal	OK
47	Q2457-01L	OK-2-062725L	SD	07/01/25 17:10		Jaswal	OK
48	Q2457-01MS	OK-2-062725MS	MS	07/01/25 17:14		Jaswal	OK
49	Q2457-01MSD	OK-2-062725MSD	MSD	07/01/25 17:18		Jaswal	OK
50	Q2457-01A	OK-2-062725A	PS	07/01/25 17:22		Jaswal	OK
51	CCV04	CCV04	CCV	07/01/25 17:26		Jaswal	OK
52	CCB04	CCB04	CCB	07/01/25 17:30		Jaswal	OK
53	Q2429-01	TP-4	SAM	07/01/25 17:35		Jaswal	OK
54	Q2430-01	MH-E/F	SAM	07/01/25 17:39		Jaswal	OK
55	Q2436-01	TP-70	SAM	07/01/25 17:43		Jaswal	OK
56	Q2436-02	TP-69	SAM	07/01/25 17:47		Jaswal	OK
57	Q2436-03	TP-85	SAM	07/01/25 17:51		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136344

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard ICV Standard CCV Standard ICSA Standard CRI Standard LCS Standard Chk Standard	

58	Q2436-04	TP-86	SAM	07/01/25 18:01		Jaswal	OK
59	Q2436-05	TP-84	SAM	07/01/25 18:05		Jaswal	OK
60	Q2436-06	TP-83	SAM	07/01/25 18:10		Jaswal	OK
61	Q2436-07	TP-87	SAM	07/01/25 18:14		Jaswal	OK
62	Q2436-08	TP-100	SAM	07/01/25 18:18		Jaswal	OK
63	CCV05	CCV05	CCV	07/01/25 18:27		Jaswal	OK
64	CCB05	CCB05	CCB	07/01/25 18:39		Jaswal	OK
65	Q2436-09	TP-99	SAM	07/01/25 18:44		Jaswal	OK
66	Q2436-10	TP-82	SAM	07/01/25 18:48		Jaswal	OK
67	Q2436-10DUP	TP-82DUP	DUP	07/01/25 18:52		Jaswal	OK
68	Q2436-10L	TP-82L	SD	07/01/25 18:59		Jaswal	OK
69	Q2436-10MS	TP-82MS	MS	07/01/25 19:04		Jaswal	OK
70	Q2436-10MSD	TP-82MSD	MSD	07/01/25 19:08		Jaswal	OK
71	Q2436-10A	TP-82A	PS	07/01/25 19:12		Jaswal	OK
72	PB168684BL	PB168684BL	MB	07/01/25 19:16		Jaswal	OK
73	PB168684BS	PB168684BS	LCS	07/01/25 19:20		Jaswal	OK
74	PB168677BL	PB168677BL	MB	07/01/25 19:24	Na Fail in LCS	Jaswal	Not Ok
75	CCV06	CCV06	CCV	07/01/25 20:05		Jaswal	OK
76	CCB06	CCB06	CCB	07/01/25 20:34		Jaswal	OK
77	PB168677BS	PB168677BS	LCS	07/01/25 20:38	NA Fail	Jaswal	Not Ok

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136344

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard ICV Standard CCV Standard ICSA Standard CRI Standard LCS Standard Chk Standard	

78	PB168652TB	PB168652TB	MB	07/01/25 20:42		Jaswal	OK
79	Q2447-08	COMP-1	SAM	07/01/25 20:47		Jaswal	OK
80	Q2447-09	COMP-2	SAM	07/01/25 20:51		Jaswal	OK
81	Q2447-10	LAW-25-0100	SAM	07/01/25 20:56		Jaswal	OK
82	Q2452-04	TP-5	SAM	07/01/25 21:00		Jaswal	OK
83	Q2452-08	EP-2	SAM	07/01/25 21:04		Jaswal	OK
84	Q2459-04	TP-1	SAM	07/01/25 21:09		Jaswal	OK
85	Q2469-04	WC-1	SAM	07/01/25 21:13		Jaswal	OK
86	Q2469-04DUP	WC-1DUP	DUP	07/01/25 21:18		Jaswal	OK
87	CCV07	CCV07	CCV	07/01/25 21:22		Jaswal	OK
88	CCB07	CCB07	CCB	07/01/25 21:27		Jaswal	OK
89	Q2469-04L	WC-1L	SD	07/01/25 21:34		Jaswal	OK
90	Q2469-04MS	WC-1MS	MS	07/01/25 21:38		Jaswal	OK
91	Q2469-04MSD	WC-1MSD	MSD	07/01/25 21:42		Jaswal	OK
92	Q2469-04A	WC-1A	PS	07/01/25 21:46		Jaswal	OK
93	CCV08	CCV08	CCV	07/01/25 21:50		Jaswal	OK
94	CCB08	CCB08	CCB	07/01/25 21:54		Jaswal	OK



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY: EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 7325904679 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINAS.MA@CDMSMITH.COM
PHONE: 7325904679 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#: ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY: EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1. TCL VOC 2. TCL SVOC 3. TAL METALS 4. PESTICIDES 5. HERBICIDES 6. DRUGS 7. PCRS 8. 9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-70	S		X	6/25/25	0800	6	X	X	X	X	X	X	X			E
2.	TP-69	S		X	6/25/25	0840	6	X	X	X	X	X	X	X			E
3.	TP-85	S		X	6/25/25	0938	6	X	X	X	X	X	X	X			E
4.	TP-86	S		X	6/25/25	1020	6	X	X	X	X	X	X	X			E
5.	TP-84	S		X	6/25/25	1100	6	X	X	X	X	X	X	X			E
6.	TP-83	S		X	6/25/25	1135	6	X	X	X	X	X	X	X			E
7.	TP-87	S		X	6/26/25	0800	6	X	X	X	X	X	X	X			E
8.	TP-100	S		X	6/26/25	0845	6	X	X	X	X	X	X	X			E
9.	TP-99	S		X	6/26/25	0930	6	X	X	X	X	X	X	X			E
10.	TP-82	S		X	6/26/25	1020	6	X	X	X	X	X	X	X			E

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
1. [Signature]	6/26/25 1500	1. [Signature]	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. [Signature]	6-26-25 1630	3.	

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2336 PSEG03
Client Name : PSEG
Client Contact : Andrew Goddard
Invoice Name : PSEG
Invoice Contact : Andrew Goddard

Order Date : 6/16/2025 12:39:35 PM
Project Name : Row Watchung Bridge Repl
Receive DateTime : 6/16/2025 12:10:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ Level-2 *af*
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2336-01	WBR-1	Solid	06/16/2025	08:30	VOC-TCLVOA-10	Bayshore	8260D	3 Bus. Days	
Q2336-03	WBR-2	Solid	06/16/2025	09:03	VOC-TCLVOA-10	Bayshore	8260D	3 Bus. Days	

Relinquished By : *[Signature]*
Date / Time : 06/16/25 1250

Received By : *[Signature]*
Date / Time : 06/16/25

Storage Area : VOA Refridgerator Room

12:50 *[Signature]* 6
F22