

Cover Page

Order ID : Q2458

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2458-01
Q2458-02
Q2458-03
Q2458-04
Q2458-05
Q2458-06
Q2458-07
Q2458-08
Q2458-09
Q2458-10

Client Sample Number

TP-76
TP-55
TP-68
TP-67
TP-66
TP-60
TP-62
TP-63
TP-59
FB-06272025

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: 7/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- INORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2458

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 07/09/2025

LAB CHRONICLE

OrderID:	Q2458	OrderDate:	6/27/2025 4:22:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2458-01	TP-76	SOIL			06/26/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-02	TP-55	SOIL			06/26/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-03	TP-68	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-04	TP-67	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-05	TP-66	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-06	TP-60	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-07	TP-62	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-08	TP-63	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-09	TP-59	SOIL			06/27/25			06/27/25

LAB CHRONICLE

Q2458-10	FB-06272025	Water	Mercury	7471B		07/01/25	07/02/25	06/27/25	06/27/25
			Metals ICP-TAL	6010D		07/01/25	07/03/25		
			Mercury	7470A		07/01/25	07/01/25		
			Metals ICP-TAL	6010D		07/01/25	07/03/25		

Hit Summary Sheet SW-846

SDG No.: Q2458

Order ID: Q2458

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-76								
Q2458-01	TP-76	SOIL	Aluminum	9480		0.85	5.06	mg/Kg
Q2458-01	TP-76	SOIL	Arsenic	3.70		0.19	1.01	mg/Kg
Q2458-01	TP-76	SOIL	Barium	27.9		0.74	5.06	mg/Kg
Q2458-01	TP-76	SOIL	Beryllium	0.42		0.025	0.30	mg/Kg
Q2458-01	TP-76	SOIL	Calcium	331		11.2	101	mg/Kg
Q2458-01	TP-76	SOIL	Chromium	6.84		0.048	0.51	mg/Kg
Q2458-01	TP-76	SOIL	Cobalt	2.49		0.10	1.52	mg/Kg
Q2458-01	TP-76	SOIL	Copper	4.94		0.22	1.01	mg/Kg
Q2458-01	TP-76	SOIL	Iron	12500		4.04	5.06	mg/Kg
Q2458-01	TP-76	SOIL	Lead	22.7		0.13	0.61	mg/Kg
Q2458-01	TP-76	SOIL	Magnesium	247		12.2	101	mg/Kg
Q2458-01	TP-76	SOIL	Manganese	24.9		0.14	1.01	mg/Kg
Q2458-01	TP-76	SOIL	Mercury	0.010	J	0.0080	0.014	mg/Kg
Q2458-01	TP-76	SOIL	Nickel	4.26		0.13	2.03	mg/Kg
Q2458-01	TP-76	SOIL	Potassium	247		28.0	101	mg/Kg
Q2458-01	TP-76	SOIL	Selenium	0.79	J	0.26	1.01	mg/Kg
Q2458-01	TP-76	SOIL	Sodium	767		18.0	101	mg/Kg
Q2458-01	TP-76	SOIL	Vanadium	17.6		0.25	2.03	mg/Kg
Q2458-01	TP-76	SOIL	Zinc	15.8		0.23	2.03	mg/Kg
Client ID : TP-55								
Q2458-02	TP-55	SOIL	Aluminum	5480		0.74	4.43	mg/Kg
Q2458-02	TP-55	SOIL	Arsenic	3.37		0.17	0.89	mg/Kg
Q2458-02	TP-55	SOIL	Barium	19.8		0.65	4.43	mg/Kg
Q2458-02	TP-55	SOIL	Beryllium	0.46		0.022	0.27	mg/Kg
Q2458-02	TP-55	SOIL	Calcium	999		9.83	88.6	mg/Kg
Q2458-02	TP-55	SOIL	Chromium	8.61		0.042	0.44	mg/Kg
Q2458-02	TP-55	SOIL	Cobalt	4.17		0.089	1.33	mg/Kg
Q2458-02	TP-55	SOIL	Copper	22.1		0.20	0.89	mg/Kg
Q2458-02	TP-55	SOIL	Iron	15800		3.53	4.43	mg/Kg
Q2458-02	TP-55	SOIL	Lead	9.31		0.12	0.53	mg/Kg
Q2458-02	TP-55	SOIL	Magnesium	731		10.6	88.6	mg/Kg
Q2458-02	TP-55	SOIL	Manganese	51.6		0.12	0.89	mg/Kg
Q2458-02	TP-55	SOIL	Mercury	0.0080	J	0.0080	0.014	mg/Kg
Q2458-02	TP-55	SOIL	Nickel	6.64		0.12	1.77	mg/Kg
Q2458-02	TP-55	SOIL	Potassium	270		24.5	88.6	mg/Kg
Q2458-02	TP-55	SOIL	Selenium	3.83		0.23	0.89	mg/Kg
Q2458-02	TP-55	SOIL	Silver	0.47		0.11	0.44	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2458

Order ID: Q2458

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2458-02	TP-55	SOIL	Sodium	358		15.8	88.6	mg/Kg
Q2458-02	TP-55	SOIL	Vanadium	20.8		0.22	1.77	mg/Kg
Q2458-02	TP-55	SOIL	Zinc	32.0		0.20	1.77	mg/Kg
Client ID : TP-68								
Q2458-03	TP-68	SOIL	Aluminum	4030		0.83	4.92	mg/Kg
Q2458-03	TP-68	SOIL	Arsenic	1.61		0.19	0.99	mg/Kg
Q2458-03	TP-68	SOIL	Barium	7.39		0.72	4.92	mg/Kg
Q2458-03	TP-68	SOIL	Beryllium	0.13	J	0.025	0.30	mg/Kg
Q2458-03	TP-68	SOIL	Calcium	1990		10.9	98.5	mg/Kg
Q2458-03	TP-68	SOIL	Chromium	9.01		0.046	0.49	mg/Kg
Q2458-03	TP-68	SOIL	Cobalt	4.51		0.098	1.48	mg/Kg
Q2458-03	TP-68	SOIL	Copper	45.1		0.22	0.99	mg/Kg
Q2458-03	TP-68	SOIL	Iron	9290		3.93	4.92	mg/Kg
Q2458-03	TP-68	SOIL	Lead	5.32		0.13	0.59	mg/Kg
Q2458-03	TP-68	SOIL	Magnesium	2200		11.8	98.5	mg/Kg
Q2458-03	TP-68	SOIL	Manganese	65.0		0.14	0.99	mg/Kg
Q2458-03	TP-68	SOIL	Mercury	0.050		0.0070	0.013	mg/Kg
Q2458-03	TP-68	SOIL	Nickel	9.84		0.13	1.97	mg/Kg
Q2458-03	TP-68	SOIL	Potassium	521		27.3	98.5	mg/Kg
Q2458-03	TP-68	SOIL	Selenium	2.38		0.26	0.99	mg/Kg
Q2458-03	TP-68	SOIL	Silver	0.37	J	0.12	0.49	mg/Kg
Q2458-03	TP-68	SOIL	Sodium	582		17.5	98.5	mg/Kg
Q2458-03	TP-68	SOIL	Vanadium	20.1		0.25	1.97	mg/Kg
Q2458-03	TP-68	SOIL	Zinc	12.9		0.23	1.97	mg/Kg
Client ID : TP-67								
Q2458-04	TP-67	SOIL	Aluminum	3970		0.85	5.04	mg/Kg
Q2458-04	TP-67	SOIL	Arsenic	5.78		0.19	1.01	mg/Kg
Q2458-04	TP-67	SOIL	Barium	6.65		0.74	5.04	mg/Kg
Q2458-04	TP-67	SOIL	Beryllium	0.47		0.025	0.30	mg/Kg
Q2458-04	TP-67	SOIL	Calcium	443		11.2	101	mg/Kg
Q2458-04	TP-67	SOIL	Chromium	20.2		0.047	0.50	mg/Kg
Q2458-04	TP-67	SOIL	Cobalt	1.89		0.10	1.51	mg/Kg
Q2458-04	TP-67	SOIL	Copper	25.4		0.22	1.01	mg/Kg
Q2458-04	TP-67	SOIL	Iron	27900		4.03	5.04	mg/Kg
Q2458-04	TP-67	SOIL	Lead	8.85		0.13	0.61	mg/Kg
Q2458-04	TP-67	SOIL	Magnesium	241		12.1	101	mg/Kg
Q2458-04	TP-67	SOIL	Manganese	34.8		0.14	1.01	mg/Kg
Q2458-04	TP-67	SOIL	Mercury	0.016		0.0080	0.014	mg/Kg
Q2458-04	TP-67	SOIL	Nickel	3.55		0.13	2.02	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2458

Order ID: Q2458

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2458-04	TP-67	SOIL	Potassium	274		27.9	101	mg/Kg
Q2458-04	TP-67	SOIL	Selenium	6.91		0.26	1.01	mg/Kg
Q2458-04	TP-67	SOIL	Silver	0.83		0.12	0.50	mg/Kg
Q2458-04	TP-67	SOIL	Sodium	31.5	J	18.0	101	mg/Kg
Q2458-04	TP-67	SOIL	Thallium	0.64	J	0.23	2.02	mg/Kg
Q2458-04	TP-67	SOIL	Vanadium	22.2		0.25	2.02	mg/Kg
Q2458-04	TP-67	SOIL	Zinc	15.8		0.23	2.02	mg/Kg
Client ID : TP-66								
Q2458-05	TP-66	SOIL	Aluminum	2430		0.91	5.39	mg/Kg
Q2458-05	TP-66	SOIL	Arsenic	5.43		0.21	1.08	mg/Kg
Q2458-05	TP-66	SOIL	Barium	9.75		0.79	5.39	mg/Kg
Q2458-05	TP-66	SOIL	Beryllium	0.37		0.027	0.32	mg/Kg
Q2458-05	TP-66	SOIL	Calcium	598		12.0	108	mg/Kg
Q2458-05	TP-66	SOIL	Chromium	9.03		0.051	0.54	mg/Kg
Q2458-05	TP-66	SOIL	Cobalt	1.06	J	0.11	1.62	mg/Kg
Q2458-05	TP-66	SOIL	Copper	23.2		0.24	1.08	mg/Kg
Q2458-05	TP-66	SOIL	Iron	21800		4.30	5.39	mg/Kg
Q2458-05	TP-66	SOIL	Lead	16.8		0.14	0.65	mg/Kg
Q2458-05	TP-66	SOIL	Magnesium	258		12.9	108	mg/Kg
Q2458-05	TP-66	SOIL	Manganese	54.0		0.15	1.08	mg/Kg
Q2458-05	TP-66	SOIL	Mercury	0.016		0.0080	0.014	mg/Kg
Q2458-05	TP-66	SOIL	Nickel	2.15	J	0.14	2.16	mg/Kg
Q2458-05	TP-66	SOIL	Potassium	403		29.9	108	mg/Kg
Q2458-05	TP-66	SOIL	Selenium	5.20		0.28	1.08	mg/Kg
Q2458-05	TP-66	SOIL	Silver	0.64		0.13	0.54	mg/Kg
Q2458-05	TP-66	SOIL	Sodium	195		19.2	108	mg/Kg
Q2458-05	TP-66	SOIL	Thallium	0.39	J	0.25	2.16	mg/Kg
Q2458-05	TP-66	SOIL	Vanadium	19.5		0.27	2.16	mg/Kg
Q2458-05	TP-66	SOIL	Zinc	16.6		0.25	2.16	mg/Kg
Client ID : TP-60								
Q2458-06	TP-60	SOIL	Aluminum	4300		0.80	4.78	mg/Kg
Q2458-06	TP-60	SOIL	Arsenic	9.45		0.18	0.96	mg/Kg
Q2458-06	TP-60	SOIL	Barium	13.1		0.70	4.78	mg/Kg
Q2458-06	TP-60	SOIL	Beryllium	0.75		0.024	0.29	mg/Kg
Q2458-06	TP-60	SOIL	Calcium	1190		10.6	95.7	mg/Kg
Q2458-06	TP-60	SOIL	Chromium	29.6		0.045	0.48	mg/Kg
Q2458-06	TP-60	SOIL	Cobalt	2.92		0.096	1.44	mg/Kg
Q2458-06	TP-60	SOIL	Copper	35.2		0.21	0.96	mg/Kg
Q2458-06	TP-60	SOIL	Iron	31500		3.82	4.78	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2458

Order ID: Q2458

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2458-06	TP-60	SOIL	Lead	23.4		0.12	0.57	mg/Kg
Q2458-06	TP-60	SOIL	Magnesium	678		11.5	95.7	mg/Kg
Q2458-06	TP-60	SOIL	Manganese	43.3		0.13	0.96	mg/Kg
Q2458-06	TP-60	SOIL	Mercury	0.036		0.0070	0.013	mg/Kg
Q2458-06	TP-60	SOIL	Nickel	5.05		0.12	1.91	mg/Kg
Q2458-06	TP-60	SOIL	Potassium	441		26.5	95.7	mg/Kg
Q2458-06	TP-60	SOIL	Selenium	7.12		0.25	0.96	mg/Kg
Q2458-06	TP-60	SOIL	Silver	0.78		0.12	0.48	mg/Kg
Q2458-06	TP-60	SOIL	Sodium	88.5	J	17.0	95.7	mg/Kg
Q2458-06	TP-60	SOIL	Thallium	0.35	J	0.22	1.91	mg/Kg
Q2458-06	TP-60	SOIL	Vanadium	33.7		0.24	1.91	mg/Kg
Q2458-06	TP-60	SOIL	Zinc	33.4		0.22	1.91	mg/Kg
Client ID : TP-62								
Q2458-07	TP-62	SOIL	Aluminum	3670		0.86	5.13	mg/Kg
Q2458-07	TP-62	SOIL	Arsenic	5.46		0.20	1.03	mg/Kg
Q2458-07	TP-62	SOIL	Barium	19.8		0.75	5.13	mg/Kg
Q2458-07	TP-62	SOIL	Beryllium	0.35		0.026	0.31	mg/Kg
Q2458-07	TP-62	SOIL	Calcium	14600		11.4	103	mg/Kg
Q2458-07	TP-62	SOIL	Chromium	9.01		0.048	0.51	mg/Kg
Q2458-07	TP-62	SOIL	Cobalt	2.15		0.10	1.54	mg/Kg
Q2458-07	TP-62	SOIL	Copper	28.5		0.23	1.03	mg/Kg
Q2458-07	TP-62	SOIL	Iron	22800		4.09	5.13	mg/Kg
Q2458-07	TP-62	SOIL	Lead	24.6		0.13	0.62	mg/Kg
Q2458-07	TP-62	SOIL	Magnesium	4670		12.3	103	mg/Kg
Q2458-07	TP-62	SOIL	Manganese	46.3		0.14	1.03	mg/Kg
Q2458-07	TP-62	SOIL	Mercury	0.025		0.0080	0.014	mg/Kg
Q2458-07	TP-62	SOIL	Nickel	3.89		0.13	2.05	mg/Kg
Q2458-07	TP-62	SOIL	Potassium	469		28.4	103	mg/Kg
Q2458-07	TP-62	SOIL	Selenium	5.15		0.27	1.03	mg/Kg
Q2458-07	TP-62	SOIL	Silver	0.69		0.12	0.51	mg/Kg
Q2458-07	TP-62	SOIL	Sodium	789		18.3	103	mg/Kg
Q2458-07	TP-62	SOIL	Vanadium	23.2		0.26	2.05	mg/Kg
Q2458-07	TP-62	SOIL	Zinc	21.6		0.24	2.05	mg/Kg
Client ID : TP-63								
Q2458-08	TP-63	SOIL	Aluminum	6130		0.88	5.26	mg/Kg
Q2458-08	TP-63	SOIL	Arsenic	4.81		0.20	1.05	mg/Kg
Q2458-08	TP-63	SOIL	Barium	15.0		0.77	5.26	mg/Kg
Q2458-08	TP-63	SOIL	Beryllium	0.50		0.026	0.32	mg/Kg
Q2458-08	TP-63	SOIL	Calcium	4590		11.7	105	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2458

Order ID: Q2458

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2458-08	TP-63	SOIL	Chromium	11.4		0.049	0.53	mg/Kg
Q2458-08	TP-63	SOIL	Cobalt	3.45		0.11	1.58	mg/Kg
Q2458-08	TP-63	SOIL	Copper	23.6		0.23	1.05	mg/Kg
Q2458-08	TP-63	SOIL	Iron	19500		4.20	5.26	mg/Kg
Q2458-08	TP-63	SOIL	Lead	26.5		0.14	0.63	mg/Kg
Q2458-08	TP-63	SOIL	Magnesium	1370		12.6	105	mg/Kg
Q2458-08	TP-63	SOIL	Manganese	58.3		0.15	1.05	mg/Kg
Q2458-08	TP-63	SOIL	Mercury	0.042		0.0090	0.015	mg/Kg
Q2458-08	TP-63	SOIL	Nickel	6.26		0.14	2.10	mg/Kg
Q2458-08	TP-63	SOIL	Potassium	409		29.1	105	mg/Kg
Q2458-08	TP-63	SOIL	Selenium	4.96		0.27	1.05	mg/Kg
Q2458-08	TP-63	SOIL	Silver	0.88		0.13	0.53	mg/Kg
Q2458-08	TP-63	SOIL	Sodium	460		18.7	105	mg/Kg
Q2458-08	TP-63	SOIL	Vanadium	25.0		0.26	2.10	mg/Kg
Q2458-08	TP-63	SOIL	Zinc	25.6		0.24	2.10	mg/Kg
Client ID : TP-59								
Q2458-09	TP-59	SOIL	Aluminum	3850		0.97	5.78	mg/Kg
Q2458-09	TP-59	SOIL	Arsenic	4.05		0.22	1.16	mg/Kg
Q2458-09	TP-59	SOIL	Barium	24.2		0.84	5.78	mg/Kg
Q2458-09	TP-59	SOIL	Beryllium	0.35		0.029	0.35	mg/Kg
Q2458-09	TP-59	SOIL	Calcium	1970		12.8	116	mg/Kg
Q2458-09	TP-59	SOIL	Chromium	7.63		0.054	0.58	mg/Kg
Q2458-09	TP-59	SOIL	Cobalt	1.40	J	0.12	1.73	mg/Kg
Q2458-09	TP-59	SOIL	Copper	32.0		0.25	1.16	mg/Kg
Q2458-09	TP-59	SOIL	Iron	23200		4.61	5.78	mg/Kg
Q2458-09	TP-59	SOIL	Lead	62.4		0.15	0.69	mg/Kg
Q2458-09	TP-59	SOIL	Magnesium	385		13.9	116	mg/Kg
Q2458-09	TP-59	SOIL	Manganese	78.7		0.16	1.16	mg/Kg
Q2458-09	TP-59	SOIL	Mercury	0.090		0.010	0.018	mg/Kg
Q2458-09	TP-59	SOIL	Nickel	3.71		0.15	2.31	mg/Kg
Q2458-09	TP-59	SOIL	Potassium	503		32.0	116	mg/Kg
Q2458-09	TP-59	SOIL	Selenium	5.64		0.30	1.16	mg/Kg
Q2458-09	TP-59	SOIL	Silver	1.02		0.14	0.58	mg/Kg
Q2458-09	TP-59	SOIL	Sodium	173		20.6	116	mg/Kg
Q2458-09	TP-59	SOIL	Thallium	0.53	J	0.27	2.31	mg/Kg
Q2458-09	TP-59	SOIL	Vanadium	17.2		0.29	2.31	mg/Kg
Q2458-09	TP-59	SOIL	Zinc	35.6		0.27	2.31	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76	SDG No.:	Q2458
Lab Sample ID:	Q2458-01	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	9480		1	0.85	5.06	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.53	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-38-2	Arsenic	3.70		1	0.19	1.01	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-39-3	Barium	27.9		1	0.74	5.06	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-41-7	Beryllium	0.42		1	0.025	0.30	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-70-2	Calcium	331		1	11.2	101	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-47-3	Chromium	6.84		1	0.048	0.51	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-48-4	Cobalt	2.49		1	0.10	1.52	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-50-8	Copper	4.94	N*	1	0.22	1.01	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7439-89-6	Iron	12500		1	4.04	5.06	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7439-92-1	Lead	22.7		1	0.13	0.61	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7439-95-4	Magnesium	247		1	12.2	101	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7439-96-5	Manganese	24.9		1	0.14	1.01	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7439-97-6	Mercury	0.010	J	1	0.0080	0.014	mg/Kg	07/01/25 14:10	07/02/25 11:23	7471B	
7440-02-0	Nickel	4.26		1	0.13	2.03	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-09-7	Potassium	247	N	1	28.0	101	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7782-49-2	Selenium	0.79	J	1	0.26	1.01	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.51	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-23-5	Sodium	767		1	18.0	101	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.03	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-62-2	Vanadium	17.6	N	1	0.25	2.03	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-66-6	Zinc	15.8	N	1	0.23	2.03	mg/Kg	07/01/25 10:10	07/03/25 14:17	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:	06/27/25
Client Sample ID:	TP-55	SDG No.:	Q2458
Lab Sample ID:	Q2458-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5480		1	0.74	4.43	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-36-0	Antimony	0.20	UN	1	0.20	2.21	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-38-2	Arsenic	3.37		1	0.17	0.89	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-39-3	Barium	19.8		1	0.65	4.43	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-41-7	Beryllium	0.46		1	0.022	0.27	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-43-9	Cadmium	0.021	U	1	0.021	0.27	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-70-2	Calcium	999		1	9.83	88.6	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-47-3	Chromium	8.61		1	0.042	0.44	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-48-4	Cobalt	4.17		1	0.089	1.33	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-50-8	Copper	22.1	N*	1	0.20	0.89	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7439-89-6	Iron	15800		1	3.53	4.43	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7439-92-1	Lead	9.31		1	0.12	0.53	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7439-95-4	Magnesium	731		1	10.6	88.6	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7439-96-5	Manganese	51.6		1	0.12	0.89	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7439-97-6	Mercury	0.0080	J	1	0.0080	0.014	mg/Kg	07/01/25 14:10	07/02/25 11:25	7471B	
7440-02-0	Nickel	6.64		1	0.12	1.77	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-09-7	Potassium	270	N	1	24.5	88.6	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7782-49-2	Selenium	3.83		1	0.23	0.89	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-22-4	Silver	0.47		1	0.11	0.44	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-23-5	Sodium	358		1	15.8	88.6	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-28-0	Thallium	0.20	U	1	0.20	1.77	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-62-2	Vanadium	20.8	N	1	0.22	1.77	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-66-6	Zinc	32.0	N	1	0.20	1.77	mg/Kg	07/01/25 10:10	07/03/25 15:12	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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-68	SDG No.:	Q2458
Lab Sample ID:	Q2458-03	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	4030		1	0.83	4.92	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.46	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-38-2	Arsenic	1.61		1	0.19	0.99	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-39-3	Barium	7.39		1	0.72	4.92	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-41-7	Beryllium	0.13	J	1	0.025	0.30	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-70-2	Calcium	1990		1	10.9	98.5	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-47-3	Chromium	9.01		1	0.046	0.49	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-48-4	Cobalt	4.51		1	0.098	1.48	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-50-8	Copper	45.1	N*	1	0.22	0.99	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7439-89-6	Iron	9290		1	3.93	4.92	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7439-92-1	Lead	5.32		1	0.13	0.59	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7439-95-4	Magnesium	2200		1	11.8	98.5	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7439-96-5	Manganese	65.0		1	0.14	0.99	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7439-97-6	Mercury	0.050		1	0.0070	0.013	mg/Kg	07/01/25 14:10	07/02/25 11:42	7471B	
7440-02-0	Nickel	9.84		1	0.13	1.97	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-09-7	Potassium	521	N	1	27.3	98.5	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7782-49-2	Selenium	2.38		1	0.26	0.99	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-22-4	Silver	0.37	J	1	0.12	0.49	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-23-5	Sodium	582		1	17.5	98.5	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.97	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-62-2	Vanadium	20.1	N	1	0.25	1.97	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-66-6	Zinc	12.9	N	1	0.23	1.97	mg/Kg	07/01/25 10:10	07/03/25 16:34	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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67	SDG No.:	Q2458
Lab Sample ID:	Q2458-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3970		1	0.85	5.04	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.52	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-38-2	Arsenic	5.78		1	0.19	1.01	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-39-3	Barium	6.65		1	0.74	5.04	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-41-7	Beryllium	0.47		1	0.025	0.30	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-70-2	Calcium	443		1	11.2	101	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-47-3	Chromium	20.2		1	0.047	0.50	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-48-4	Cobalt	1.89		1	0.10	1.51	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-50-8	Copper	25.4	N*	1	0.22	1.01	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7439-89-6	Iron	27900		1	4.03	5.04	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7439-92-1	Lead	8.85		1	0.13	0.61	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7439-95-4	Magnesium	241		1	12.1	101	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7439-96-5	Manganese	34.8		1	0.14	1.01	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7439-97-6	Mercury	0.016		1	0.0080	0.014	mg/Kg	07/01/25 14:10	07/02/25 11:44	7471B	
7440-02-0	Nickel	3.55		1	0.13	2.02	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-09-7	Potassium	274	N	1	27.9	101	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7782-49-2	Selenium	6.91		1	0.26	1.01	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-22-4	Silver	0.83		1	0.12	0.50	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-23-5	Sodium	31.5	J	1	18.0	101	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-28-0	Thallium	0.64	J	1	0.23	2.02	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-62-2	Vanadium	22.2	N	1	0.25	2.02	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-66-6	Zinc	15.8	N	1	0.23	2.02	mg/Kg	07/01/25 10:10	07/03/25 15:16	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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-66	SDG No.:	Q2458
Lab Sample ID:	Q2458-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2430		1	0.91	5.39	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.70	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-38-2	Arsenic	5.43		1	0.21	1.08	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-39-3	Barium	9.75		1	0.79	5.39	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-41-7	Beryllium	0.37		1	0.027	0.32	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.32	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-70-2	Calcium	598		1	12.0	108	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-47-3	Chromium	9.03		1	0.051	0.54	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-48-4	Cobalt	1.06	J	1	0.11	1.62	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-50-8	Copper	23.2	N*	1	0.24	1.08	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7439-89-6	Iron	21800		1	4.30	5.39	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7439-92-1	Lead	16.8		1	0.14	0.65	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7439-95-4	Magnesium	258		1	12.9	108	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7439-96-5	Manganese	54.0		1	0.15	1.08	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7439-97-6	Mercury	0.016		1	0.0080	0.014	mg/Kg	07/01/25 14:10	07/02/25 11:47	7471B	
7440-02-0	Nickel	2.15	J	1	0.14	2.16	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-09-7	Potassium	403	N	1	29.9	108	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7782-49-2	Selenium	5.20		1	0.28	1.08	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-22-4	Silver	0.64		1	0.13	0.54	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-23-5	Sodium	195		1	19.2	108	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-28-0	Thallium	0.39	J	1	0.25	2.16	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-62-2	Vanadium	19.5	N	1	0.27	2.16	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-66-6	Zinc	16.6	N	1	0.25	2.16	mg/Kg	07/01/25 10:10	07/03/25 15:20	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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-60	SDG No.:	Q2458
Lab Sample ID:	Q2458-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4300		1	0.80	4.78	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.39	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-38-2	Arsenic	9.45		1	0.18	0.96	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-39-3	Barium	13.1		1	0.70	4.78	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-41-7	Beryllium	0.75		1	0.024	0.29	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-70-2	Calcium	1190		1	10.6	95.7	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-47-3	Chromium	29.6		1	0.045	0.48	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-48-4	Cobalt	2.92		1	0.096	1.44	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-50-8	Copper	35.2	N*	1	0.21	0.96	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7439-89-6	Iron	31500		1	3.82	4.78	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7439-92-1	Lead	23.4		1	0.12	0.57	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7439-95-4	Magnesium	678		1	11.5	95.7	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7439-96-5	Manganese	43.3		1	0.13	0.96	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7439-97-6	Mercury	0.036		1	0.0070	0.013	mg/Kg	07/01/25 14:10	07/02/25 11:49	7471B	
7440-02-0	Nickel	5.05		1	0.12	1.91	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-09-7	Potassium	441	N	1	26.5	95.7	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7782-49-2	Selenium	7.12		1	0.25	0.96	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-22-4	Silver	0.78		1	0.12	0.48	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-23-5	Sodium	88.5	J	1	17.0	95.7	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-28-0	Thallium	0.35	J	1	0.22	1.91	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-62-2	Vanadium	33.7	N	1	0.24	1.91	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-66-6	Zinc	33.4	N	1	0.22	1.91	mg/Kg	07/01/25 10:10	07/03/25 15:24	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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-62	SDG No.:	Q2458
Lab Sample ID:	Q2458-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3670		1	0.86	5.13	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.56	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-38-2	Arsenic	5.46		1	0.20	1.03	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-39-3	Barium	19.8		1	0.75	5.13	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-41-7	Beryllium	0.35		1	0.026	0.31	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.31	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-70-2	Calcium	14600		1	11.4	103	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-47-3	Chromium	9.01		1	0.048	0.51	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-48-4	Cobalt	2.15		1	0.10	1.54	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-50-8	Copper	28.5	N*	1	0.23	1.03	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7439-89-6	Iron	22800		1	4.09	5.13	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7439-92-1	Lead	24.6		1	0.13	0.62	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7439-95-4	Magnesium	4670		1	12.3	103	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7439-96-5	Manganese	46.3		1	0.14	1.03	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7439-97-6	Mercury	0.025		1	0.0080	0.014	mg/Kg	07/01/25 14:10	07/02/25 11:51	7471B	
7440-02-0	Nickel	3.89		1	0.13	2.05	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-09-7	Potassium	469	N	1	28.4	103	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7782-49-2	Selenium	5.15		1	0.27	1.03	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-22-4	Silver	0.69		1	0.12	0.51	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-23-5	Sodium	789		1	18.3	103	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.05	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-62-2	Vanadium	23.2	N	1	0.26	2.05	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-66-6	Zinc	21.6	N	1	0.24	2.05	mg/Kg	07/01/25 10:10	07/03/25 15:29	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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6130		1	0.88	5.26	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.63	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-38-2	Arsenic	4.81		1	0.20	1.05	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-39-3	Barium	15.0		1	0.77	5.26	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-41-7	Beryllium	0.50		1	0.026	0.32	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.32	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-70-2	Calcium	4590		1	11.7	105	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-47-3	Chromium	11.4		1	0.049	0.53	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-48-4	Cobalt	3.45		1	0.11	1.58	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-50-8	Copper	23.6	N*	1	0.23	1.05	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7439-89-6	Iron	19500		1	4.20	5.26	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7439-92-1	Lead	26.5		1	0.14	0.63	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7439-95-4	Magnesium	1370		1	12.6	105	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7439-96-5	Manganese	58.3		1	0.15	1.05	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7439-97-6	Mercury	0.042		1	0.0090	0.015	mg/Kg	07/01/25 14:10	07/02/25 11:54	7471B	
7440-02-0	Nickel	6.26		1	0.14	2.10	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-09-7	Potassium	409	N	1	29.1	105	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7782-49-2	Selenium	4.96		1	0.27	1.05	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-22-4	Silver	0.88		1	0.13	0.53	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-23-5	Sodium	460		1	18.7	105	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.10	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-62-2	Vanadium	25.0	N	1	0.26	2.10	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-66-6	Zinc	25.6	N	1	0.24	2.10	mg/Kg	07/01/25 10:10	07/03/25 17:10	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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-59	SDG No.:	Q2458
Lab Sample ID:	Q2458-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3850		1	0.97	5.78	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.89	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-38-2	Arsenic	4.05		1	0.22	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-39-3	Barium	24.2		1	0.84	5.78	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-41-7	Beryllium	0.35		1	0.029	0.35	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-43-9	Cadmium	0.028	U	1	0.028	0.35	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-70-2	Calcium	1970		1	12.8	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-47-3	Chromium	7.63		1	0.054	0.58	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-48-4	Cobalt	1.40	J	1	0.12	1.73	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-50-8	Copper	32.0	N*	1	0.25	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-89-6	Iron	23200		1	4.61	5.78	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-92-1	Lead	62.4		1	0.15	0.69	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-95-4	Magnesium	385		1	13.9	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-96-5	Manganese	78.7		1	0.16	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-97-6	Mercury	0.090		1	0.010	0.018	mg/Kg	07/01/25 14:10	07/02/25 11:56	7471B	
7440-02-0	Nickel	3.71		1	0.15	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-09-7	Potassium	503	N	1	32.0	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7782-49-2	Selenium	5.64		1	0.30	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-22-4	Silver	1.02		1	0.14	0.58	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-23-5	Sodium	173		1	20.6	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-28-0	Thallium	0.53	J	1	0.27	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-62-2	Vanadium	17.2	N	1	0.29	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-66-6	Zinc	35.6	N	1	0.27	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	FB-06272025	SDG No.:	Q2458
Lab Sample ID:	Q2458-10	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5.67	UN	1	5.67	50.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-36-0	Antimony	3.38	U	1	3.38	25.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-39-3	Barium	7.28	U	1	7.28	50.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-70-2	Calcium	117	U	1	117	1000	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-47-3	Chromium	1.06	U	1	1.06	5.00	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-48-4	Cobalt	1.13	U	1	1.13	15.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-50-8	Copper	2.30	U	1	2.30	10.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7439-89-6	Iron	11.7	U	1	11.7	50.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7439-92-1	Lead	1.15	U	1	1.15	6.00	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7439-95-4	Magnesium	122	U	1	122	1000	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7439-96-5	Manganese	2.97	U	1	2.97	10.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	07/01/25 08:25	07/01/25 12:35	7470A	
7440-02-0	Nickel	1.53	U	1	1.53	20.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-09-7	Potassium	459	U	1	459	1000	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-22-4	Silver	0.81	UN*	1	0.81	5.00	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-23-5	Sodium	434	U	1	434	1000	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-62-2	Vanadium	3.13	U	1	3.13	20.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-66-6	Zinc	8.33	U	1	8.33	20.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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
ICV13	Mercury	3.97	4.0	99	90 - 110	CV	07/01/2025	11:43	LB136337

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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
CCV40	Mercury	4.59	5.0	92	90 - 110	CV	07/01/2025	11:47	LB136337
CCV41	Mercury	4.57	5.0	91	90 - 110	CV	07/01/2025	12:17	LB136337
CCV42	Mercury	4.66	5.0	93	90 - 110	CV	07/01/2025	12:47	LB136337
CCV43	Mercury	4.95	5.0	99	90 - 110	CV	07/01/2025	13:10	LB136337

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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
ICV14	Mercury	4.14	4.0	104	90 - 110	CV	07/02/2025	10:33	LB136352

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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
CCV44	Mercury	4.97	5.0	99	90 - 110	CV	07/02/2025	10:44	LB136352
CCV45	Mercury	4.56	5.0	91	90 - 110	CV	07/02/2025	11:35	LB136352
CCV46	Mercury	4.83	5.0	97	90 - 110	CV	07/02/2025	12:37	LB136352
CCV47	Mercury	4.94	5.0	99	90 - 110	CV	07/02/2025	13:18	LB136352

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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	7680	8000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Antimony	4150	4000	104	90 - 110	P	07/03/2025	12:13	LB136371
	Arsenic	4040	4000	101	90 - 110	P	07/03/2025	12:13	LB136371
	Barium	7550	8000	94	90 - 110	P	07/03/2025	12:13	LB136371
	Beryllium	189	200	94	90 - 110	P	07/03/2025	12:13	LB136371
	Cadmium	2020	2000	101	90 - 110	P	07/03/2025	12:13	LB136371
	Calcium	19000	20000	95	90 - 110	P	07/03/2025	12:13	LB136371
	Chromium	777	800	97	90 - 110	P	07/03/2025	12:13	LB136371
	Cobalt	2000	2000	100	90 - 110	P	07/03/2025	12:13	LB136371
	Copper	1010	1000	101	90 - 110	P	07/03/2025	12:13	LB136371
	Iron	3740	4000	94	90 - 110	P	07/03/2025	12:13	LB136371
	Lead	3950	4000	99	90 - 110	P	07/03/2025	12:13	LB136371
	Magnesium	19000	20000	95	90 - 110	P	07/03/2025	12:13	LB136371
	Manganese	1920	2000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Nickel	1990	2000	100	90 - 110	P	07/03/2025	12:13	LB136371
	Potassium	18800	20000	94	90 - 110	P	07/03/2025	12:13	LB136371
	Selenium	4090	4000	102	90 - 110	P	07/03/2025	12:13	LB136371
	Silver	957	1000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Sodium	19000	20000	95	90 - 110	P	07/03/2025	12:13	LB136371
	Thallium	3870	4000	97	90 - 110	P	07/03/2025	12:13	LB136371
	Vanadium	1920	2000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Zinc	1910	2000	96	90 - 110	P	07/03/2025	12:13	LB136371

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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	96.3	100	96	80 - 120	P	07/03/2025	12:17	LB136371
	Antimony	51.7	50.0	104	80 - 120	P	07/03/2025	12:17	LB136371
	Arsenic	19.9	20.0	99	80 - 120	P	07/03/2025	12:17	LB136371
	Barium	81.5	100	82	80 - 120	P	07/03/2025	12:17	LB136371
	Beryllium	5.83	6.0	97	80 - 120	P	07/03/2025	12:17	LB136371
	Cadmium	5.43	6.0	91	80 - 120	P	07/03/2025	12:17	LB136371
	Calcium	1940	2000	97	80 - 120	P	07/03/2025	12:17	LB136371
	Chromium	10.5	10.0	105	80 - 120	P	07/03/2025	12:17	LB136371
	Cobalt	29.1	30.0	97	80 - 120	P	07/03/2025	12:17	LB136371
	Copper	20.7	20.0	104	80 - 120	P	07/03/2025	12:17	LB136371
	Iron	106	100	106	80 - 120	P	07/03/2025	12:17	LB136371
	Lead	10.4	12.0	87	80 - 120	P	07/03/2025	12:17	LB136371
	Magnesium	2010	2000	101	80 - 120	P	07/03/2025	12:17	LB136371
	Manganese	20.7	20.0	103	80 - 120	P	07/03/2025	12:17	LB136371
	Nickel	39.9	40.0	100	80 - 120	P	07/03/2025	12:17	LB136371
	Potassium	1870	2000	94	80 - 120	P	07/03/2025	12:17	LB136371
	Selenium	22.6	20.0	113	80 - 120	P	07/03/2025	12:17	LB136371
	Silver	9.90	10.0	99	80 - 120	P	07/03/2025	12:17	LB136371
	Sodium	1960	2000	98	80 - 120	P	07/03/2025	12:17	LB136371
	Thallium	40.9	40.0	102	80 - 120	P	07/03/2025	12:17	LB136371
	Vanadium	38.3	40.0	96	80 - 120	P	07/03/2025	12:17	LB136371
	Zinc	40.6	40.0	102	80 - 120	P	07/03/2025	12:17	LB136371

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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	9790	10000	98	90 - 110	P	07/03/2025	13:23	LB136371
	Antimony	5110	5000	102	90 - 110	P	07/03/2025	13:23	LB136371
	Arsenic	5100	5000	102	90 - 110	P	07/03/2025	13:23	LB136371
	Barium	9600	10000	96	90 - 110	P	07/03/2025	13:23	LB136371
	Beryllium	236	250	94	90 - 110	P	07/03/2025	13:23	LB136371
	Cadmium	2520	2500	101	90 - 110	P	07/03/2025	13:23	LB136371
	Calcium	24500	25000	98	90 - 110	P	07/03/2025	13:23	LB136371
	Chromium	1010	1000	101	90 - 110	P	07/03/2025	13:23	LB136371
	Cobalt	2500	2500	100	90 - 110	P	07/03/2025	13:23	LB136371
	Copper	1270	1250	101	90 - 110	P	07/03/2025	13:23	LB136371
	Iron	5070	5000	101	90 - 110	P	07/03/2025	13:23	LB136371
	Lead	4970	5000	100	90 - 110	P	07/03/2025	13:23	LB136371
	Magnesium	24200	25000	97	90 - 110	P	07/03/2025	13:23	LB136371
	Manganese	2460	2500	98	90 - 110	P	07/03/2025	13:23	LB136371
	Nickel	2540	2500	102	90 - 110	P	07/03/2025	13:23	LB136371
	Potassium	24600	25000	98	90 - 110	P	07/03/2025	13:23	LB136371
	Selenium	5180	5000	104	90 - 110	P	07/03/2025	13:23	LB136371
	Silver	1210	1250	97	90 - 110	P	07/03/2025	13:23	LB136371
	Sodium	24900	25000	100	90 - 110	P	07/03/2025	13:23	LB136371
	Thallium	4860	5000	97	90 - 110	P	07/03/2025	13:23	LB136371
	Vanadium	2440	2500	98	90 - 110	P	07/03/2025	13:23	LB136371
	Zinc	2450	2500	98	90 - 110	P	07/03/2025	13:23	LB136371
CCV02	Aluminum	9680	10000	97	90 - 110	P	07/03/2025	14:25	LB136371
	Antimony	5120	5000	102	90 - 110	P	07/03/2025	14:25	LB136371
	Arsenic	5040	5000	101	90 - 110	P	07/03/2025	14:25	LB136371
	Barium	9400	10000	94	90 - 110	P	07/03/2025	14:25	LB136371
	Beryllium	232	250	93	90 - 110	P	07/03/2025	14:25	LB136371
	Cadmium	2480	2500	99	90 - 110	P	07/03/2025	14:25	LB136371
	Calcium	23800	25000	95	90 - 110	P	07/03/2025	14:25	LB136371
	Chromium	993	1000	99	90 - 110	P	07/03/2025	14:25	LB136371
	Cobalt	2480	2500	99	90 - 110	P	07/03/2025	14:25	LB136371
	Copper	1260	1250	100	90 - 110	P	07/03/2025	14:25	LB136371
	Iron	4900	5000	98	90 - 110	P	07/03/2025	14:25	LB136371
	Lead	4910	5000	98	90 - 110	P	07/03/2025	14:25	LB136371

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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	23600	25000	94	90 - 110	P	07/03/2025	14:25	LB136371
	Manganese	2480	2500	99	90 - 110	P	07/03/2025	14:25	LB136371
	Nickel	2510	2500	100	90 - 110	P	07/03/2025	14:25	LB136371
	Potassium	22500	25000	90	90 - 110	P	07/03/2025	14:25	LB136371
	Selenium	5160	5000	103	90 - 110	P	07/03/2025	14:25	LB136371
	Silver	1200	1250	96	90 - 110	P	07/03/2025	14:25	LB136371
	Sodium	22800	25000	91	90 - 110	P	07/03/2025	14:25	LB136371
	Thallium	5060	5000	101	90 - 110	P	07/03/2025	14:25	LB136371
	Vanadium	2390	2500	96	90 - 110	P	07/03/2025	14:25	LB136371
	Zinc	2420	2500	97	90 - 110	P	07/03/2025	14:25	LB136371
CCV03	Aluminum	9490	10000	95	90 - 110	P	07/03/2025	16:03	LB136371
	Antimony	5070	5000	101	90 - 110	P	07/03/2025	16:03	LB136371
	Arsenic	4930	5000	99	90 - 110	P	07/03/2025	16:03	LB136371
	Barium	9260	10000	93	90 - 110	P	07/03/2025	16:03	LB136371
	Beryllium	243	250	97	90 - 110	P	07/03/2025	16:03	LB136371
	Cadmium	2390	2500	96	90 - 110	P	07/03/2025	16:03	LB136371
	Calcium	23500	25000	94	90 - 110	P	07/03/2025	16:03	LB136371
	Chromium	943	1000	94	90 - 110	P	07/03/2025	16:03	LB136371
	Cobalt	2410	2500	96	90 - 110	P	07/03/2025	16:03	LB136371
	Copper	1220	1250	97	90 - 110	P	07/03/2025	16:03	LB136371
	Iron	4890	5000	98	90 - 110	P	07/03/2025	16:03	LB136371
	Lead	4730	5000	95	90 - 110	P	07/03/2025	16:03	LB136371
	Magnesium	22900	25000	92	90 - 110	P	07/03/2025	16:03	LB136371
	Manganese	2440	2500	98	90 - 110	P	07/03/2025	16:03	LB136371
	Nickel	2410	2500	96	90 - 110	P	07/03/2025	16:03	LB136371
	Potassium	24300	25000	97	90 - 110	P	07/03/2025	16:03	LB136371
	Selenium	5080	5000	102	90 - 110	P	07/03/2025	16:03	LB136371
	Silver	1200	1250	96	90 - 110	P	07/03/2025	16:03	LB136371
	Sodium	25100	25000	100	90 - 110	P	07/03/2025	16:03	LB136371
	Thallium	5350	5000	107	90 - 110	P	07/03/2025	16:03	LB136371
	Vanadium	2340	2500	94	90 - 110	P	07/03/2025	16:03	LB136371
	Zinc	2470	2500	99	90 - 110	P	07/03/2025	16:03	LB136371
CCV04	Aluminum	9520	10000	95	90 - 110	P	07/03/2025	16:58	LB136371
	Antimony	5140	5000	103	90 - 110	P	07/03/2025	16:58	LB136371

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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	5050	5000	101	90 - 110	P	07/03/2025	16:58	LB136371
	Barium	9300	10000	93	90 - 110	P	07/03/2025	16:58	LB136371
	Beryllium	245	250	98	90 - 110	P	07/03/2025	16:58	LB136371
	Cadmium	2440	2500	98	90 - 110	P	07/03/2025	16:58	LB136371
	Calcium	23600	25000	94	90 - 110	P	07/03/2025	16:58	LB136371
	Chromium	947	1000	95	90 - 110	P	07/03/2025	16:58	LB136371
	Cobalt	2440	2500	97	90 - 110	P	07/03/2025	16:58	LB136371
	Copper	1240	1250	99	90 - 110	P	07/03/2025	16:58	LB136371
	Iron	4970	5000	99	90 - 110	P	07/03/2025	16:58	LB136371
	Lead	4800	5000	96	90 - 110	P	07/03/2025	16:58	LB136371
	Magnesium	23100	25000	92	90 - 110	P	07/03/2025	16:58	LB136371
	Manganese	2440	2500	97	90 - 110	P	07/03/2025	16:58	LB136371
	Nickel	2440	2500	98	90 - 110	P	07/03/2025	16:58	LB136371
	Potassium	25200	25000	101	90 - 110	P	07/03/2025	16:58	LB136371
	Selenium	5210	5000	104	90 - 110	P	07/03/2025	16:58	LB136371
	Silver	1210	1250	97	90 - 110	P	07/03/2025	16:58	LB136371
	Sodium	26100	25000	104	90 - 110	P	07/03/2025	16:58	LB136371
	Thallium	5260	5000	105	90 - 110	P	07/03/2025	16:58	LB136371
	Vanadium	2340	2500	94	90 - 110	P	07/03/2025	16:58	LB136371
	Zinc	2490	2500	100	90 - 110	P	07/03/2025	16:58	LB136371
CCV05	Aluminum	9700	10000	97	90 - 110	P	07/03/2025	17:28	LB136371
	Antimony	5240	5000	105	90 - 110	P	07/03/2025	17:28	LB136371
	Arsenic	5130	5000	102	90 - 110	P	07/03/2025	17:28	LB136371
	Barium	9380	10000	94	90 - 110	P	07/03/2025	17:28	LB136371
	Beryllium	252	250	101	90 - 110	P	07/03/2025	17:28	LB136371
	Cadmium	2490	2500	100	90 - 110	P	07/03/2025	17:28	LB136371
	Calcium	24000	25000	96	90 - 110	P	07/03/2025	17:28	LB136371
	Chromium	950	1000	95	90 - 110	P	07/03/2025	17:28	LB136371
	Cobalt	2490	2500	100	90 - 110	P	07/03/2025	17:28	LB136371
	Copper	1260	1250	101	90 - 110	P	07/03/2025	17:28	LB136371
	Iron	4800	5000	96	90 - 110	P	07/03/2025	17:28	LB136371
	Lead	4910	5000	98	90 - 110	P	07/03/2025	17:28	LB136371
	Magnesium	23400	25000	94	90 - 110	P	07/03/2025	17:28	LB136371
	Manganese	2480	2500	99	90 - 110	P	07/03/2025	17:28	LB136371

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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	2500	2500	100	90 - 110	P	07/03/2025	17:28	LB136371
	Potassium	24200	25000	97	90 - 110	P	07/03/2025	17:28	LB136371
	Selenium	5280	5000	106	90 - 110	P	07/03/2025	17:28	LB136371
	Silver	1210	1250	97	90 - 110	P	07/03/2025	17:28	LB136371
	Sodium	25000	25000	100	90 - 110	P	07/03/2025	17:28	LB136371
	Thallium	5280	5000	106	90 - 110	P	07/03/2025	17:28	LB136371
	Vanadium	2380	2500	95	90 - 110	P	07/03/2025	17:28	LB136371
	Zinc	2480	2500	99	90 - 110	P	07/03/2025	17:28	LB136371

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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	0.22	0.2	112	70 - 130	CV	07/01/2025	11:52	LB136337
CRA	Mercury	0.19	0.2	96	70 - 130	CV	07/02/2025	10:54	LB136352
CRI01	Aluminum	92.4	100	92	65 - 135	P	07/03/2025	12:26	LB136371
	Antimony	53.6	50.0	107	65 - 135	P	07/03/2025	12:26	LB136371
	Arsenic	22.4	20.0	112	65 - 135	P	07/03/2025	12:26	LB136371
	Barium	80.0	100	80	65 - 135	P	07/03/2025	12:26	LB136371
	Beryllium	5.80	6.0	97	65 - 135	P	07/03/2025	12:26	LB136371
	Cadmium	6.26	6.0	104	65 - 135	P	07/03/2025	12:26	LB136371
	Calcium	1950	2000	98	65 - 135	P	07/03/2025	12:26	LB136371
	Chromium	10.6	10.0	106	65 - 135	P	07/03/2025	12:26	LB136371
	Cobalt	29.7	30.0	99	65 - 135	P	07/03/2025	12:26	LB136371
	Copper	21.0	20.0	105	65 - 135	P	07/03/2025	12:26	LB136371
	Iron	108	100	108	65 - 135	P	07/03/2025	12:26	LB136371
	Lead	12.8	12.0	106	65 - 135	P	07/03/2025	12:26	LB136371
	Magnesium	2020	2000	101	65 - 135	P	07/03/2025	12:26	LB136371
	Manganese	20.4	20.0	102	65 - 135	P	07/03/2025	12:26	LB136371
	Nickel	40.5	40.0	101	65 - 135	P	07/03/2025	12:26	LB136371
	Potassium	1880	2000	94	65 - 135	P	07/03/2025	12:26	LB136371
	Selenium	23.6	20.0	118	65 - 135	P	07/03/2025	12:26	LB136371
	Silver	10.5	10.0	105	65 - 135	P	07/03/2025	12:26	LB136371
	Sodium	2010	2000	101	65 - 135	P	07/03/2025	12:26	LB136371
	Thallium	43.2	40.0	108	65 - 135	P	07/03/2025	12:26	LB136371
	Vanadium	38.8	40.0	97	65 - 135	P	07/03/2025	12:26	LB136371
	Zinc	44.9	40.0	112	65 - 135	P	07/03/2025	12:26	LB136371



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB13	Mercury	0.076	+/-0.2	U	0.20	CV	07/01/2025	11:45	LB136337

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB40	Mercury	0.076	+/-0.2	U	0.20	CV	07/01/2025	11:49	LB136337
CCB41	Mercury	0.076	+/-0.2	U	0.20	CV	07/01/2025	12:19	LB136337
CCB42	Mercury	0.076	+/-0.2	U	0.20	CV	07/01/2025	12:49	LB136337
CCB43	Mercury	0.076	+/-0.2	U	0.20	CV	07/01/2025	13:13	LB136337

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB14	Mercury	0.076	+/-0.2	U	0.20	CV	07/02/2025	10:38	LB136352

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB44	Mercury	0.076	+/-0.2	U	0.20	CV	07/02/2025	10:49	LB136352
CCB45	Mercury	0.076	+/-0.2	U	0.20	CV	07/02/2025	11:40	LB136352
CCB46	Mercury	0.076	+/-0.2	U	0.20	CV	07/02/2025	12:42	LB136352
CCB47	Mercury	0.076	+/-0.2	U	0.20	CV	07/02/2025	13:23	LB136352

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	07/03/2025	12:21	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	12:21	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	12:21	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	12:21	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	12:21	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	12:21	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	12:21	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	12:21	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	12:21	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	12:21	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	12:21	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	12:21	LB136371
	Magnesium	244	+/-1000	U	2000	P	07/03/2025	12:21	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	12:21	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	12:21	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	12:21	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	12:21	LB136371
	Silver	1.62	+/-5	U	10.0	P	07/03/2025	12:21	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	12:21	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	12:21	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	12:21	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	12:21	LB136371

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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	07/03/2025	13:27	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	13:27	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	13:27	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	13:27	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	13:27	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	13:27	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	13:27	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	13:27	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	13:27	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	13:27	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	13:27	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	13:27	LB136371
	Magnesium	244	+/-1000	U	2000	P	07/03/2025	13:27	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	13:27	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	13:27	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	13:27	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	13:27	LB136371
	Silver	1.62	+/-5	U	10.0	P	07/03/2025	13:27	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	13:27	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	13:27	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	13:27	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	13:27	LB136371
CCB02	Aluminum	11.3	+/-50	U	100	P	07/03/2025	14:55	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	14:55	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	14:55	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	14:55	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	14:55	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	14:55	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	14:55	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	14:55	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	14:55	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	14:55	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	14:55	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	14:55	LB136371
	Magnesium	244	+/-1000	U	2000	P	07/03/2025	14:55	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	14:55	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	14:55	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	14:55	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	14:55	LB136371

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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	07/03/2025	14:55	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	14:55	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	14:55	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	14:55	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	14:55	LB136371
CCB03	Aluminum	11.3	+/-50	U	100	P	07/03/2025	16:08	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	16:08	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	16:08	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	16:08	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	16:08	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	16:08	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	16:08	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	16:08	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	16:08	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	16:08	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	16:08	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	16:08	LB136371
	Magnesium	244	+/-1000	U	2000	P	07/03/2025	16:08	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	16:08	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	16:08	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	16:08	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	16:08	LB136371
	Silver	1.62	+/-5	U	10.0	P	07/03/2025	16:08	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	16:08	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	16:08	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	16:08	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	16:08	LB136371
CCB04	Aluminum	11.3	+/-50	U	100	P	07/03/2025	17:02	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	17:02	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	17:02	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	17:02	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	17:02	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	17:02	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	17:02	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	17:02	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	17:02	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	17:02	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	17:02	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	17:02	LB136371

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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	07/03/2025	17:02	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	17:02	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	17:02	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	17:02	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	17:02	LB136371
	Silver	1.62	+/-5	U	10.0	P	07/03/2025	17:02	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	17:02	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	17:02	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	17:02	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	17:02	LB136371
CCB05	Aluminum	11.3	+/-50	U	100	P	07/03/2025	17:32	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	17:32	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	17:32	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	17:32	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	17:32	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	17:32	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	17:32	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	17:32	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	17:32	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	17:32	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	17:32	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	17:32	LB136371
	Magnesium	244	+/-1000	U	2000	P	07/03/2025	17:32	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	17:32	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	17:32	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	17:32	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	17:32	LB136371
	Silver	1.62	+/-5	U	10.0	P	07/03/2025	17:32	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	17:32	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	17:32	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	17:32	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	17:32	LB136371

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168683BL		WATER		Batch Number:	PB168683		Prep Date:	07/01/2025	
	Mercury	0.076	<0.2	U	0.20	CV	07/01/2025	12:31	LB136337
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168688BL		SOLID		Batch Number:	PB168688		Prep Date:	07/01/2025	
	Mercury	0.0070	<0.013	U	0.013	CV	07/02/2025	11:12	LB136352

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168677BL	WATER			Batch Number:	PB168677		Prep Date:	07/01/2025	
	Aluminum	5.67	<25	U	50.0	P	07/03/2025	16:20	LB136371
	Antimony	3.38	<12.5	U	25.0	P	07/03/2025	16:20	LB136371
	Arsenic	2.56	<5	U	10.0	P	07/03/2025	16:20	LB136371
	Barium	7.28	<25	U	50.0	P	07/03/2025	16:20	LB136371
	Beryllium	0.28	<1.5	U	3.00	P	07/03/2025	16:20	LB136371
	Cadmium	0.25	<1.5	U	3.00	P	07/03/2025	16:20	LB136371
	Calcium	117	<500	U	1000	P	07/03/2025	16:20	LB136371
	Chromium	1.06	<2.5	U	5.00	P	07/03/2025	16:20	LB136371
	Cobalt	1.13	<7.5	U	15.0	P	07/03/2025	16:20	LB136371
	Copper	2.30	<5	U	10.0	P	07/03/2025	16:20	LB136371
	Iron	11.7	<25	U	50.0	P	07/03/2025	16:20	LB136371
	Lead	1.15	<3	U	6.00	P	07/03/2025	16:20	LB136371
	Magnesium	122	<500	U	1000	P	07/03/2025	16:20	LB136371
	Manganese	2.97	<5	U	10.0	P	07/03/2025	16:20	LB136371
	Nickel	1.53	<10	U	20.0	P	07/03/2025	16:20	LB136371
	Potassium	459	<500	U	1000	P	07/03/2025	16:20	LB136371
	Selenium	4.82	<5	U	10.0	P	07/03/2025	16:20	LB136371
	Silver	0.81	<2.5	U	5.00	P	07/03/2025	16:20	LB136371
	Sodium	434	<500	U	1000	P	07/03/2025	16:20	LB136371
	Thallium	2.19	<10	U	20.0	P	07/03/2025	16:20	LB136371
	Vanadium	3.13	<10	U	20.0	P	07/03/2025	16:20	LB136371
	Zinc	8.33	<10	U	20.0	P	07/03/2025	16:20	LB136371
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168678BL	SOLID			Batch Number:	PB168678		Prep Date:	07/01/2025	
	Aluminum	0.84	<2.5	U	5.00	P	07/03/2025	16:12	LB136371
	Antimony	0.22	<1.25	U	2.50	P	07/03/2025	16:12	LB136371
	Arsenic	0.19	<0.5	U	1.00	P	07/03/2025	16:12	LB136371
	Barium	0.73	<2.5	U	5.00	P	07/03/2025	16:12	LB136371
	Beryllium	0.025	<0.15	U	0.30	P	07/03/2025	16:12	LB136371
	Cadmium	0.024	<0.15	U	0.30	P	07/03/2025	16:12	LB136371
	Calcium	11.1	<50	U	100	P	07/03/2025	16:12	LB136371
	Chromium	0.047	<0.25	U	0.50	P	07/03/2025	16:12	LB136371
	Cobalt	0.10	<0.75	U	1.50	P	07/03/2025	16:12	LB136371
	Copper	0.22	<0.5	U	1.00	P	07/03/2025	16:12	LB136371
	Iron	3.99	<2.5	U	5.00	P	07/03/2025	16:12	LB136371
	Lead	0.13	<0.3	U	0.60	P	07/03/2025	16:12	LB136371
	Magnesium	12.0	<50	U	100	P	07/03/2025	16:12	LB136371
	Manganese	0.14	<0.5	U	1.00	P	07/03/2025	16:12	LB136371
	Nickel	0.13	<1	U	2.00	P	07/03/2025	16:12	LB136371

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Instrument: P4

Potassium	27.7	<50	U	100	P	07/03/2025	16:12	LB136371
Selenium	0.26	<0.5	U	1.00	P	07/03/2025	16:12	LB136371
Silver	0.12	<0.25	U	0.50	P	07/03/2025	16:12	LB136371
Sodium	17.8	<50	U	100	P	07/03/2025	16:12	LB136371
Thallium	0.23	<1	U	2.00	P	07/03/2025	16:12	LB136371
Vanadium	0.25	<1	U	2.00	P	07/03/2025	16:12	LB136371
Zinc	0.23	<1	U	2.00	P	07/03/2025	16:12	LB136371

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>CDM Smith</u>	SDG No.: <u>Q2458</u>
Contract: <u>CAMP02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	07/03/2025	12:30	LB136371
	Antimony	0.85			-50	50	07/03/2025	12:30	LB136371
	Arsenic	-1.82			-20	20	07/03/2025	12:30	LB136371
	Barium	-23.4	6.0	390	-94	106	07/03/2025	12:30	LB136371
	Beryllium	0.55			-6	6	07/03/2025	12:30	LB136371
	Cadmium	-1.03	1.0	103	-5	7	07/03/2025	12:30	LB136371
	Calcium	225000	245000	92	208000	282000	07/03/2025	12:30	LB136371
	Chromium	57.2	52.0	110	42	62	07/03/2025	12:30	LB136371
	Cobalt	-0.27			-30	30	07/03/2025	12:30	LB136371
	Copper	17.1	2.0	855	-18	22	07/03/2025	12:30	LB136371
	Iron	97000	101000	96	85600	116500	07/03/2025	12:30	LB136371
	Lead	-8.04			-12	12	07/03/2025	12:30	LB136371
	Magnesium	236000	255000	92	216000	294000	07/03/2025	12:30	LB136371
	Manganese	4.57	7.0	65	-13	27	07/03/2025	12:30	LB136371
	Nickel	11.4	2.0	570	-38	42	07/03/2025	12:30	LB136371
	Potassium	-36.6			0	0	07/03/2025	12:30	LB136371
	Selenium	8.32			-20	20	07/03/2025	12:30	LB136371
	Silver	-8.71			-10	10	07/03/2025	12:30	LB136371
	Sodium	55.2			0	0	07/03/2025	12:30	LB136371
	Thallium	0.72			-40	40	07/03/2025	12:30	LB136371
	Vanadium	0.26			-40	40	07/03/2025	12:30	LB136371
	Zinc	1.18			-40	40	07/03/2025	12:30	LB136371
ICSAB01	Aluminum	243000	247000	98	209000	285000	07/03/2025	12:42	LB136371
	Antimony	610	618	99	525	711	07/03/2025	12:42	LB136371
	Arsenic	102	104	98	88.4	120	07/03/2025	12:42	LB136371
	Barium	439	537	82	437	637	07/03/2025	12:42	LB136371
	Beryllium	460	495	93	420	570	07/03/2025	12:42	LB136371
	Cadmium	974	972	100	826	1120	07/03/2025	12:42	LB136371
	Calcium	232000	235000	99	199000	271000	07/03/2025	12:42	LB136371
	Chromium	558	542	103	460	624	07/03/2025	12:42	LB136371
	Cobalt	495	476	104	404	548	07/03/2025	12:42	LB136371
	Copper	490	511	96	434	588	07/03/2025	12:42	LB136371
	Iron	104000	99300	105	84400	114500	07/03/2025	12:42	LB136371
	Lead	40.3	49.0	82	37	61	07/03/2025	12:42	LB136371
	Magnesium	243000	248000	98	210000	286000	07/03/2025	12:42	LB136371
	Manganese	480	507	95	430	584	07/03/2025	12:42	LB136371
	Nickel	994	954	104	810	1100	07/03/2025	12:42	LB136371
	Potassium	-42.7			0	0	07/03/2025	12:42	LB136371
	Selenium	58.6	46.0	127	26	66	07/03/2025	12:42	LB136371
	Silver	229	201	114	170	232	07/03/2025	12:42	LB136371
	Sodium	61.0			0	0	07/03/2025	12:42	LB136371
	Thallium	94.7	108	88	68	148	07/03/2025	12:42	LB136371

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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	463	491	94	417	565	07/03/2025	12:42	LB136371
	Zinc	1040	952	109	809	1095	07/03/2025	12:42	LB136371



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2458
contract: CAMP02 **lab code:** ACE
matrix: Solid **sample id:** Q2458-03 **client id:** TP-68MS

Percent Solids for Sample: 92.3 **Spiked ID:** Q2458-03MS **Percent Solids for Spike Sample:** 92.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5750		4030		95.5	1805		P
Antimony	mg/Kg	75 - 125	16.5		2.46	U	38.2	43	N	P
Arsenic	mg/Kg	75 - 125	37.4		1.61		38.2	94		P
Barium	mg/Kg	75 - 125	16.9		7.39		9.5	100		P
Beryllium	mg/Kg	75 - 125	7.92		0.13	J	9.5	82		P
Cadmium	mg/Kg	75 - 125	8.79		0.30	U	9.5	92		P
Calcium	mg/Kg	75 - 125	2950		1990		47.7	2007		P
Chromium	mg/Kg	75 - 125	28.0		9.01		19.1	99		P
Cobalt	mg/Kg	75 - 125	15.3		4.51		9.5	114		P
Copper	mg/Kg	75 - 125	63.7		45.1		14.3	130	N	P
Iron	mg/Kg	75 - 125	10700		9290		140	1022		P
Lead	mg/Kg	75 - 125	50.1		5.32		47.7	94		P
Magnesium	mg/Kg	75 - 125	2760		2200		95.5	584		P
Manganese	mg/Kg	75 - 125	84.1		65.0		9.5	201		P
Nickel	mg/Kg	75 - 125	36.2		9.84		23.9	110		P
Potassium	mg/Kg	75 - 125	1130		521		480	127	N	P
Selenium	mg/Kg	75 - 125	91.6		2.38		95.5	93		P
Silver	mg/Kg	75 - 125	3.69		0.37	J	3.6	92		P
Sodium	mg/Kg	75 - 125	953		582		140	265		P
Thallium	mg/Kg	75 - 125	97.8		1.97	U	95.5	102		P
Vanadium	mg/Kg	75 - 125	40.6		20.1		14.3	143	N	P
Zinc	mg/Kg	75 - 125	25.2		12.9		9.5	129	N	P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>CDM Smith</u>	level: <u>low</u>	sdg no.: <u>Q2458</u>
contract: <u>CAMP02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2458-03</u>	client id: <u>TP-68MSD</u>

Percent Solids for Sample: 92.3	Spiked ID: Q2458-03MSD	Percent Solids for Spike Sample: 92.3
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Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6080		4030		89.9	2277		P
Antimony	mg/Kg	75 - 125	15.4		2.46	U	36.0	43	N	P
Arsenic	mg/Kg	75 - 125	35.7		1.61		36.0	95		P
Barium	mg/Kg	75 - 125	17.0		7.39		9.0	107		P
Beryllium	mg/Kg	75 - 125	7.42		0.13	J	9.0	81		P
Cadmium	mg/Kg	75 - 125	8.21		0.30	U	9.0	91		P
Calcium	mg/Kg	75 - 125	3030		1990		45.0	2307		P
Chromium	mg/Kg	75 - 125	27.2		9.01		18.0	101		P
Cobalt	mg/Kg	75 - 125	15.4		4.51		9.0	121		P
Copper	mg/Kg	75 - 125	92.9		45.1		13.5	354	N	P
Iron	mg/Kg	75 - 125	12000		9290		130	2054		P
Lead	mg/Kg	75 - 125	48.4		5.32		45.0	96		P
Magnesium	mg/Kg	75 - 125	3100		2200		89.9	1007		P
Manganese	mg/Kg	75 - 125	91.0		65.0		9.0	290		P
Nickel	mg/Kg	75 - 125	36.8		9.84		22.5	120		P
Potassium	mg/Kg	75 - 125	1180		521		450	146	N	P
Selenium	mg/Kg	75 - 125	87.8		2.38		89.9	95		P
Silver	mg/Kg	75 - 125	3.63		0.37	J	3.4	96		P
Sodium	mg/Kg	75 - 125	1030		582		130	345		P
Thallium	mg/Kg	75 - 125	90.1		1.97	U	89.9	100		P
Vanadium	mg/Kg	75 - 125	40.7		20.1		13.5	152	N	P
Zinc	mg/Kg	75 - 125	28.9		12.9		9.0	177	N	P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>CDM Smith</u>	level: <u>low</u>	sdg no.: <u>Q2458</u>
contract: <u>CAMP02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2463-01</u>	client id: <u>TW-WTS-11MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2463-01MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	4620		3660		1000	96		P
Antimony	ug/L	75 - 125	425		25.0	U	400	106		P
Arsenic	ug/L	75 - 125	415		10.0	U	400	104		P
Barium	ug/L	75 - 125	122		36.1	J	100	86		P
Beryllium	ug/L	75 - 125	85.4		3.00	U	100	85		P
Cadmium	ug/L	75 - 125	97.4		3.00	U	100	97		P
Calcium	ug/L	75 - 125	50300		49700		500	120		P
Chromium	ug/L	75 - 125	192		1.87	J	200	95		P
Cobalt	ug/L	75 - 125	102		1.54	J	100	100		P
Copper	ug/L	75 - 125	171		21.7		150	99		P
Iron	ug/L	75 - 125	10800		9630		1500	77		P
Lead	ug/L	75 - 125	466		5.99	J	500	92		P
Magnesium	ug/L	75 - 125	2320		1450		1000	87		P
Manganese	ug/L	75 - 125	121		22.5		100	98		P
Mercury	ug/L	75 - 125	3.24		0.19	J	4.0	76		CV
Nickel	ug/L	75 - 125	264		15.0	J	250	100		P
Potassium	ug/L	75 - 125	244000		248000		5000	-95		P
Selenium	ug/L	75 - 125	1060		5.02	J	1000	106		P
Silver	ug/L	75 - 125	21.1		5.00	U	37.5	56	N	P
Sodium	ug/L	75 - 125	172000		172000		1500	-45		P
Thallium	ug/L	75 - 125	1060		20.0	U	1000	106		P
Vanadium	ug/L	75 - 125	157		18.5	J	150	93		P
Zinc	ug/L	75 - 125	124		17.3	J	100	107		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>CDM Smith</u>	level: <u>low</u>	sdg no.: <u>Q2458</u>
contract: <u>CAMP02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2463-01</u>	client id: <u>TW-WTS-11MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2463-01MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	5280		3660		1000	162	N	P
Antimony	ug/L	75 - 125	420		25.0	U	400	105		P
Arsenic	ug/L	75 - 125	404		10.0	U	400	101		P
Barium	ug/L	75 - 125	123		36.1	J	100	87		P
Beryllium	ug/L	75 - 125	82.9		3.00	U	100	83		P
Cadmium	ug/L	75 - 125	96.7		3.00	U	100	97		P
Calcium	ug/L	75 - 125	50000		49700		500	64		P
Chromium	ug/L	75 - 125	189		1.87	J	200	93		P
Cobalt	ug/L	75 - 125	99.3		1.54	J	100	98		P
Copper	ug/L	75 - 125	168		21.7		150	98		P
Iron	ug/L	75 - 125	10800		9630		1500	77		P
Lead	ug/L	75 - 125	456		5.99	J	500	90		P
Magnesium	ug/L	75 - 125	2360		1450		1000	91		P
Manganese	ug/L	75 - 125	119		22.5		100	96		P
Mercury	ug/L	75 - 125	3.88		0.19	J	4.0	92		CV
Nickel	ug/L	75 - 125	259		15.0	J	250	98		P
Potassium	ug/L	75 - 125	232000		248000		5000	-324		P
Selenium	ug/L	75 - 125	1040		5.02	J	1000	104		P
Silver	ug/L	75 - 125	34.9		5.00	U	37.5	93		P
Sodium	ug/L	75 - 125	167000		172000		1500	-376		P
Thallium	ug/L	75 - 125	1040		20.0	U	1000	104		P
Vanadium	ug/L	75 - 125	155		18.5	J	150	91		P
Zinc	ug/L	75 - 125	122		17.3	J	100	104		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	<u>CDM Smith</u>	level:	<u>low</u>	sdg no.:	<u>Q2458</u>
contract:	<u>CAMP02</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2469-01</u>	client id:	<u>WC-1MS</u>
Percent Solids for Sample:	85.4	Spiked ID:	Q2469-01MS	Percent Solids for Spike Sample:	85.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.61		0.27		0.33	103		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>CDM Smith</u>	level:	<u>low</u>	sdg no.:	<u>Q2458</u>
contract:	<u>CAMP02</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2469-01</u>	client id:	<u>WC-1MSD</u>
Percent Solids for Sample:	85.4	Spiked ID:	Q2469-01MSD	Percent Solids for Spike Sample:	85.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.54		0.27		0.29	93		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Matrix: Solid

Level: LOW

Client ID: TP-68A

Sample ID: Q2458-03

Spiked ID: Q2458-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	40.0		2.46	U	39.4	102		P
Copper	mg/Kg	75 - 125	56.9		45.1		14.8	80		P
Potassium	mg/Kg	75 - 125	981		521		490	94		P
Vanadium	mg/Kg	75 - 125	31.6		20.1		14.8	77		P
Zinc	mg/Kg	75 - 125	22.1		12.9		9.80	93		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	<u>CDM Smith</u>	SDG No.:	<u>Q2458</u>		
Contract:	<u>CAMP02</u>	Lab Code:	<u>ACE</u>		
Matrix:	<u>Water</u>	Level:	<u>LOW</u>	Client ID:	<u>TW-WTS-11A</u>
Sample ID:	<u>Q2463-01</u>	Spiked ID:	<u>Q2463-01A</u>		

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	4600		3660		10000	9	N	P
Silver	ug/L	75 - 125	21.2		5.00	U	37.5	56	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2458-03</u>	Client ID:	<u>TP-68DUP</u>
Percent Solids for Sample:	92.3	Duplicate ID	Q2458-03DUP	Percent Solids for Spike Sample:	92.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	4030		4390		9		P
Antimony	mg/Kg	20	2.46	U	2.56	U			P
Arsenic	mg/Kg	20	1.61		1.73		7		P
Barium	mg/Kg	20	7.39		8.01		8		P
Beryllium	mg/Kg	20	0.13	J	0.13	J	5		P
Cadmium	mg/Kg	20	0.30	U	0.31	U			P
Calcium	mg/Kg	20	1990		2250		12		P
Chromium	mg/Kg	20	9.01		10.5		16		P
Cobalt	mg/Kg	20	4.51		5.12		13		P
Copper	mg/Kg	20	45.1		50.0		10		P
Iron	mg/Kg	20	9290		10200		9		P
Lead	mg/Kg	20	5.32		5.40		1		P
Magnesium	mg/Kg	20	2200		2480		12		P
Manganese	mg/Kg	20	65.0		72.3		11		P
Nickel	mg/Kg	20	9.84		11.1		12		P
Potassium	mg/Kg	20	521		590		12		P
Selenium	mg/Kg	20	2.38		2.62		10		P
Silver	mg/Kg	20	0.37	J	0.41	J	10		P
Sodium	mg/Kg	20	582		653		11		P
Thallium	mg/Kg	20	1.97	U	2.04	U			P
Vanadium	mg/Kg	20	20.1		23.7		16		P
Zinc	mg/Kg	20	12.9		14.2		10		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2458-03MS</u>	Client ID:	<u>TP-68MSD</u>
Percent Solids for Sample:	92.3	Duplicate ID	Q2458-03MSD	Percent Solids for Spike Sample:	92.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5750		6080		6		P
Antimony	mg/Kg	20	16.5		15.4		7		P
Arsenic	mg/Kg	20	37.4		35.7		5		P
Barium	mg/Kg	20	16.9		17.0		1		P
Beryllium	mg/Kg	20	7.92		7.42		7		P
Cadmium	mg/Kg	20	8.79		8.21		7		P
Calcium	mg/Kg	20	2950		3030		3		P
Chromium	mg/Kg	20	28.0		27.2		3		P
Cobalt	mg/Kg	20	15.3		15.4		1		P
Copper	mg/Kg	20	63.7		92.9		37	*	P
Iron	mg/Kg	20	10700		12000		11		P
Lead	mg/Kg	20	50.1		48.4		3		P
Magnesium	mg/Kg	20	2760		3100		12		P
Manganese	mg/Kg	20	84.1		91.0		8		P
Nickel	mg/Kg	20	36.2		36.8		2		P
Potassium	mg/Kg	20	1130		1180		4		P
Selenium	mg/Kg	20	91.6		87.8		4		P
Silver	mg/Kg	20	3.69		3.63		2		P
Sodium	mg/Kg	20	953		1030		8		P
Thallium	mg/Kg	20	97.8		90.1		8		P
Vanadium	mg/Kg	20	40.6		40.7		0		P
Zinc	mg/Kg	20	25.2		28.9		14		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2463-01</u>	Client ID:	<u>TW-WTS-11DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2463-01DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	3660		3690		1		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	36.1	J	35.1	J	3		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	49700		49600		0		P
Chromium	ug/L	20	1.87	J	1.97	J	5		P
Cobalt	ug/L	20	1.54	J	1.45	J	6		P
Copper	ug/L	20	21.7		21.7		0		P
Iron	ug/L	20	9630		9600		0		P
Lead	ug/L	20	5.99	J	6.69		11		P
Magnesium	ug/L	20	1450		1440		1		P
Manganese	ug/L	20	22.5		22.5		0		P
Mercury	ug/L	20	0.19	J	0.18	J	3		CV
Nickel	ug/L	20	15.0	J	15.3	J	2		P
Potassium	ug/L	20	248000		242000		2		P
Selenium	ug/L	20	5.02	J	5.01	J	0		P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	172000		171000		1		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	18.5	J	17.8	J	4		P
Zinc	ug/L	20	17.3	J	17.3	J	0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2463-01MS</u>	Client ID:	<u>TW-WTS-11MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2463-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	4620		5280		13		P
Antimony	ug/L	20	425		420		1		P
Arsenic	ug/L	20	415		404		3		P
Barium	ug/L	20	122		123		1		P
Beryllium	ug/L	20	85.4		82.9		3		P
Cadmium	ug/L	20	97.4		96.7		1		P
Calcium	ug/L	20	50300		50000		1		P
Chromium	ug/L	20	192		189		2		P
Cobalt	ug/L	20	102		99.3		3		P
Copper	ug/L	20	171		168		2		P
Iron	ug/L	20	10800		10800		0		P
Lead	ug/L	20	466		456		2		P
Magnesium	ug/L	20	2320		2360		2		P
Manganese	ug/L	20	121		119		2		P
Mercury	ug/L	20	3.24		3.88		18		CV
Nickel	ug/L	20	264		259		2		P
Potassium	ug/L	20	244000		232000		5		P
Selenium	ug/L	20	1060		1040		2		P
Silver	ug/L	20	21.1		34.9		49	*	P
Sodium	ug/L	20	172000		167000		3		P
Thallium	ug/L	20	1060		1040		2		P
Vanadium	ug/L	20	157		155		1		P
Zinc	ug/L	20	124		122		2		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2469-01</u>	Client ID:	<u>WC-1DUP</u>
Percent Solids for Sample:	85.4	Duplicate ID	Q2469-01DUP	Percent Solids for Spike Sample:	85.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.27		0.29		9		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2469-01MS</u>	Client ID:	<u>WC-1MSD</u>
Percent Solids for Sample:	85.4	Duplicate ID	Q2469-01MSD	Percent Solids for Spike Sample:	85.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.61		0.54		13		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168677BS							
Aluminum	ug/L	1000	925		92	80 - 120	P
Antimony	ug/L	400	405		101	80 - 120	P
Arsenic	ug/L	400	388		97	80 - 120	P
Barium	ug/L	100	88.3		88	80 - 120	P
Beryllium	ug/L	100	88.3		88	80 - 120	P
Cadmium	ug/L	100	95.4		95	80 - 120	P
Calcium	ug/L	500	464	J	93	80 - 120	P
Chromium	ug/L	200	187		94	80 - 120	P
Cobalt	ug/L	100	97.1		97	80 - 120	P
Copper	ug/L	150	151		101	80 - 120	P
Iron	ug/L	1500	1400		93	80 - 120	P
Lead	ug/L	500	469		94	80 - 120	P
Magnesium	ug/L	1000	909	J	91	80 - 120	P
Manganese	ug/L	100	97.8		98	80 - 120	P
Nickel	ug/L	250	245		98	80 - 120	P
Potassium	ug/L	5000	4660		93	80 - 120	P
Selenium	ug/L	1000	1010		101	80 - 120	P
Silver	ug/L	37.5	34.4		92	80 - 120	P
Sodium	ug/L	1500	1470		98	80 - 120	P
Thallium	ug/L	1000	1070		107	80 - 120	P
Vanadium	ug/L	150	137		91	80 - 120	P
Zinc	ug/L	100	97.5		98	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168678BS							
Aluminum	mg/Kg	100	91.6		92	80 - 120	P
Antimony	mg/Kg	40.0	40.4		101	80 - 120	P
Arsenic	mg/Kg	40.0	38.8		97	80 - 120	P
Barium	mg/Kg	10.0	8.61		86	80 - 120	P
Beryllium	mg/Kg	10.0	8.79		88	80 - 120	P
Cadmium	mg/Kg	10.0	9.53		95	80 - 120	P
Calcium	mg/Kg	50.0	45.9	J	92	80 - 120	P
Chromium	mg/Kg	20.0	18.9		94	80 - 120	P
Cobalt	mg/Kg	10.0	9.71		97	80 - 120	P
Copper	mg/Kg	15.0	15.0		100	80 - 120	P
Iron	mg/Kg	150	141		94	80 - 120	P
Lead	mg/Kg	50.0	46.7		93	80 - 120	P
Magnesium	mg/Kg	100	90.2	J	90	80 - 120	P
Manganese	mg/Kg	10.0	9.61		96	80 - 120	P
Nickel	mg/Kg	25.0	24.4		98	80 - 120	P
Potassium	mg/Kg	500	472		94	80 - 120	P
Selenium	mg/Kg	100	100		100	80 - 120	P
Silver	mg/Kg	3.8	3.49		92	80 - 120	P
Sodium	mg/Kg	150	149		99	80 - 120	P
Thallium	mg/Kg	100	104		104	80 - 120	P
Vanadium	mg/Kg	15.0	13.5		90	80 - 120	P
Zinc	mg/Kg	10.0	9.82		98	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168683BS Mercury	ug/L	4.0	3.97		99	80 - 120	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168688BS Mercury	mg/Kg	0.25	0.23		90	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-68L

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **Lb No.:** lb136371 **Lab Sample ID :** Q2458-03L **SDG No.:** Q2458
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		4030			4030		0		P
Antimony		2.46	U		12.3	U			P
Arsenic		1.61			1.43	J	11		P
Barium		7.39			24.6	U	100.0		P
Beryllium		0.13	J		1.48	U	100.0		P
Cadmium		0.30	U		1.48	U			P
Calcium		1990			2010		1		P
Chromium		9.01			8.88		1		P
Cobalt		4.51			4.03	J	11		P
Copper		45.1			46.5		3		P
Iron		9290			8950		4		P
Lead		5.32			5.02		6		P
Magnesium		2200			2200		0		P
Manganese		65.0			65.3		1		P
Nickel		9.84			9.21	J	6		P
Potassium		521			502		4		P
Selenium		2.38			3.24	J	36		P
Silver		0.37	J		2.46	U	100.0		P
Sodium		582			563		3		P
Thallium		1.97	U		9.85	U			P
Vanadium		20.1			19.9		1		P
Zinc		12.9			12.4		4		P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

TW-WTS-11L

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **Lb No.:** lb136371 **Lab Sample ID :** Q2463-01L **SDG No.:** Q2458
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
		C		C			
Aluminum	3660		3390		7		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	36.1	J	250	U	100.0		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	49700		47100		5		P
Chromium	1.87	J	25.0	U	100.0		P
Cobalt	1.54	J	75.0	U	100.0		P
Copper	21.7		19.0	J	12		P
Iron	9630		8160		15		P
Lead	5.99	J	30.0	U	100.0		P
Magnesium	1450		1320	J	9		P
Manganese	22.5		17.9	J	21		P
Mercury	0.19	J	0.40	J	110		CV
Nickel	15.0	J	11.5	J	23		P
Potassium	248000		192000		23		P
Selenium	5.02	J	50.0	U	100.0		P
Silver	5.00	U	25.0	U			P
Sodium	172000		141000		18		P
Thallium	20.0	U	100	U			P
Vanadium	18.5	J	100	U	100.0		P
Zinc	17.3	J	100	U	100.0		P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WC-1L

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

Lb No.: lb136352

Lab Sample ID : Q2469-01L

SDG No.: Q2458

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	0.27	0.17	37		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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.: Q2458

Contract: CAMP02

Lab Code: ACE

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.: Q2458

Contract: CAMP02

Lab Code: ACE

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.: Q2458

Contract: CAMP02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

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: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Method:

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168677							
PB168677BL	PB168677BL	MB	WATER	07/01/2025	50.0	25.0	
PB168677BS	PB168677BS	LCS	WATER	07/01/2025	50.0	25.0	
Q2458-10	FB-06272025	SAM	WATER	07/01/2025	50.0	25.0	
Q2463-01DUP	TW-WTS-11DUP	DUP	WATER	07/01/2025	50.0	25.0	
Q2463-01MS	TW-WTS-11MS	MS	WATER	07/01/2025	50.0	25.0	
Q2463-01MSD	TW-WTS-11MSD	MSD	WATER	07/01/2025	50.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2458
Contract: CAMP02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168678							
PB168678BL	PB168678BL	MB	SOLID	07/01/2025	2.00	100.0	100.00
PB168678BS	PB168678BS	LCS	SOLID	07/01/2025	2.00	100.0	100.00
Q2458-01	TP-76	SAM	SOLID	07/01/2025	2.18	100.0	90.60
Q2458-02	TP-55	SAM	SOLID	07/01/2025	2.47	100.0	91.40
Q2458-03	TP-68	SAM	SOLID	07/01/2025	2.20	100.0	92.30
Q2458-03DUP	TP-68DUP	DUP	SOLID	07/01/2025	2.12	100.0	92.30
Q2458-03MS	TP-68MS	MS	SOLID	07/01/2025	2.27	100.0	92.30
Q2458-03MSD	TP-68MSD	MSD	SOLID	07/01/2025	2.41	100.0	92.30
Q2458-04	TP-67	SAM	SOLID	07/01/2025	2.21	100.0	89.70
Q2458-05	TP-66	SAM	SOLID	07/01/2025	2.10	100.0	88.30
Q2458-06	TP-60	SAM	SOLID	07/01/2025	2.26	100.0	92.50
Q2458-07	TP-62	SAM	SOLID	07/01/2025	2.14	100.0	91.10
Q2458-08	TP-63	SAM	SOLID	07/01/2025	2.20	100.0	86.40
Q2458-09	TP-59	SAM	SOLID	07/01/2025	2.26	100.0	76.60

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Method:

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168683							
PB168683BL	PB168683BL	MB	WATER	07/01/2025	30.0	30.0	
PB168683BS	PB168683BS	LCS	WATER	07/01/2025	30.0	30.0	
Q2458-10	FB-06272025	SAM	WATER	07/01/2025	30.0	30.0	
Q2463-01DUP	TW-WTS-11DUP	DUP	WATER	07/01/2025	30.0	30.0	
Q2463-01MS	TW-WTS-11MS	MS	WATER	07/01/2025	30.0	30.0	
Q2463-01MSD	TW-WTS-11MSD	MSD	WATER	07/01/2025	30.0	30.0	

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Method:

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168688							
PB168688BL	PB168688BL	MB	SOLID	07/01/2025	0.54	35.0	100.00
PB168688BS	PB168688BS	LCS	SOLID	07/01/2025	0.56	35.0	100.00
Q2458-01	TP-76	SAM	SOLID	07/01/2025	0.56	35.0	90.60
Q2458-02	TP-55	SAM	SOLID	07/01/2025	0.56	35.0	91.40
Q2458-03	TP-68	SAM	SOLID	07/01/2025	0.58	35.0	92.30
Q2458-04	TP-67	SAM	SOLID	07/01/2025	0.55	35.0	89.70
Q2458-05	TP-66	SAM	SOLID	07/01/2025	0.56	35.0	88.30
Q2458-06	TP-60	SAM	SOLID	07/01/2025	0.57	35.0	92.50
Q2458-07	TP-62	SAM	SOLID	07/01/2025	0.55	35.0	91.10
Q2458-08	TP-63	SAM	SOLID	07/01/2025	0.53	35.0	86.40
Q2458-09	TP-59	SAM	SOLID	07/01/2025	0.52	35.0	76.60
Q2469-01DUP	WC-1DUP	DUP	SOLID	07/01/2025	0.51	35.0	85.40
Q2469-01MS	WC-1MS	MS	SOLID	07/01/2025	0.50	35.0	85.40
Q2469-01MSD	WC-1MSD	MSD	SOLID	07/01/2025	0.57	35.0	85.40

metals
- 14 -
ANALYSIS RUN LOG

Client: CDM Smith

Contract: CAMP02

Lab code: ACE

Sdg no.: Q2458

Instrument id number: _____

Method: _____

Run number: LB136337

Start date: 07/01/2025

End date: 07/01/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1119	HG
S0.2	S0.2	1	1123	HG
S2.5	S2.5	1	1125	HG
S5	S5	1	1128	HG
S7.5	S7.5	1	1130	HG
S10	S10	1	1132	HG
ICV13	ICV13	1	1143	HG
ICB13	ICB13	1	1145	HG
CCV40	CCV40	1	1147	HG
CCB40	CCB40	1	1149	HG
CRA	CRA	1	1152	HG
CCV41	CCV41	1	1217	HG
CCB41	CCB41	1	1219	HG
PB168683BL	PB168683BL	1	1231	HG
PB168683BS	PB168683BS	1	1233	HG
Q2458-10	FB-06272025	1	1235	HG
Q2463-01DUP	TW-WTS-11DUP	1	1240	HG
Q2463-01MS	TW-WTS-11MS	1	1242	HG
CCV42	CCV42	1	1247	HG
CCB42	CCB42	1	1249	HG
Q2463-01MSD	TW-WTS-11MSD	1	1252	HG
Q2463-01L	TW-WTS-11L	5	1303	HG
CCV43	CCV43	1	1310	HG
CCB43	CCB43	1	1313	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: CDM Smith

Contract: CAMP02

Lab code: ACE

Sdg no.: Q2458

Instrument id number: _____

Method: _____

Run number: LB136352

Start date: 07/02/2025

End date: 07/02/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1009	HG
S0.2	S0.2	1	1011	HG
S2.5	S2.5	1	1013	HG
S5	S5	1	1016	HG
S7.5	S7.5	1	1018	HG
S10	S10	1	1020	HG
ICV14	ICV14	1	1033	HG
ICB14	ICB14	1	1038	HG
CCV44	CCV44	1	1044	HG
CCB44	CCB44	1	1049	HG
CRA	CRA	1	1054	HG
PB168688BL	PB168688BL	1	1112	HG
PB168688BS	PB168688BS	1	1114	HG
Q2458-01	TP-76	1	1123	HG
Q2458-02	TP-55	1	1125	HG
CCV45	CCV45	1	1135	HG
CCB45	CCB45	1	1140	HG
Q2458-03	TP-68	1	1142	HG
Q2458-04	TP-67	1	1144	HG
Q2458-05	TP-66	1	1147	HG
Q2458-06	TP-60	1	1149	HG
Q2458-07	TP-62	1	1151	HG
Q2458-08	TP-63	1	1154	HG
Q2458-09	TP-59	1	1156	HG
CCV46	CCV46	1	1237	HG
CCB46	CCB46	1	1242	HG
Q2469-01DUP	WC-1DUP	1	1247	HG
Q2469-01MS	WC-1MS	1	1253	HG
Q2469-01MSD	WC-1MSD	1	1255	HG
Q2469-01L	WC-1L	5	1258	HG
CCV47	CCV47	1	1318	HG
CCB47	CCB47	1	1323	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: CDM Smith

Contract: CAMP02

Lab code: ACE

Sdg no.: Q2458

Instrument id number:

Method:

Run number: LB136371

Start date: 07/03/2025

End date: 07/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1122	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	1127	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	1131	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	1135	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	1139	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	1143	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	1213	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	1217	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	1221	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	1226	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	1230	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	1242	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	1323	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	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2463-01DUP	TW-WTS-11DUP	1	1354	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2463-01L	TW-WTS-11L	5	1359	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2463-01A	TW-WTS-11A	1	1413	Ag,Al
Q2458-01	TP-76	1	1417	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	1425	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	1455	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-10	FB-06272025	1	1504	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-02	TP-55	1	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-04	TP-67	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-05	TP-66	1	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-06	TP-60	1	1524	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-07	TP-62	1	1529	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2463-01MS	TW-WTS-11MS	1	1533	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2463-01MSD	TW-WTS-11MSD	1	1537	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1603	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1608	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168678BL	PB168678BL	1	1612	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168677BL	PB168677BL	1	1620	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168677BS	PB168677BS	1	1626	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168678BS	PB168678BS	1	1630	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03	TP-68	1	1634	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03DUP	TP-68DUP	1	1638	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03L	TP-68L	5	1642	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03MS	TP-68MS	1	1646	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03MSD	TP-68MSD	1	1650	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03A	TP-68A	1	1654	Cu,K,Sb,V,Zn
CCV04	CCV04	1	1658	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: ACE

Sdg no.: Q2458

Instrument id number: _____

Method: _____

Run number: LB136371

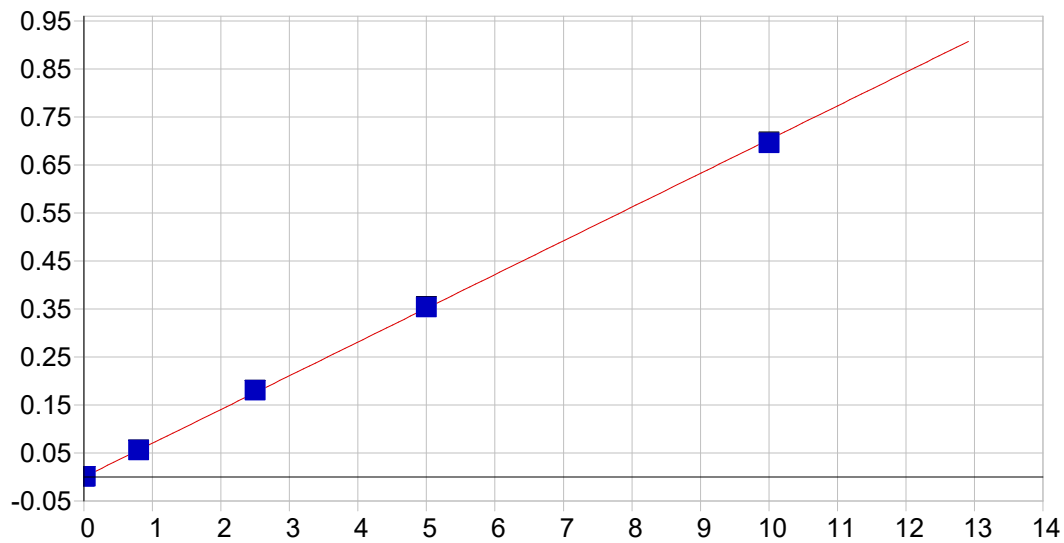
Start date: 07/03/2025

End date: 07/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB04	CCB04	1	1702	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-08	TP-63	1	1710	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-09	TP-59	1	1714	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	1728	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	1732	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn



METAL RAW DATA



As 189.042 {479}

Date of Fit: 7/4/2025 3:04:42

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000010

Re-Slope: 1.000000

A1 (Gain): 0.070281

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999909

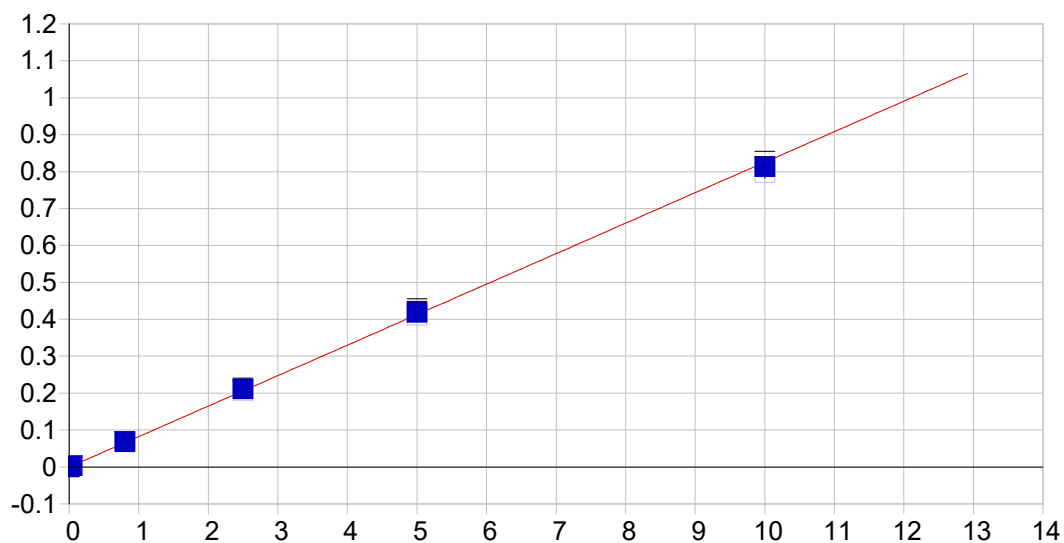
Status: OK.

Std Error of Est: 0.000022

Predicted MDL: 0.001725

Predicted MQL: 0.005751

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00001	.000	1
S1	.02000	.01778	-.002	-11.1	.00125	.000	1
S3	2.5000	2.5693	.069	2.77	.18039	.000	1
S4	5.0000	5.0329	.033	.659	.35335	.001	1
S5	10.000	9.9048	-.095	-.952	.69536	.002	1
S2	.80000	.79519	-.005	-.601	.05584	.000	1

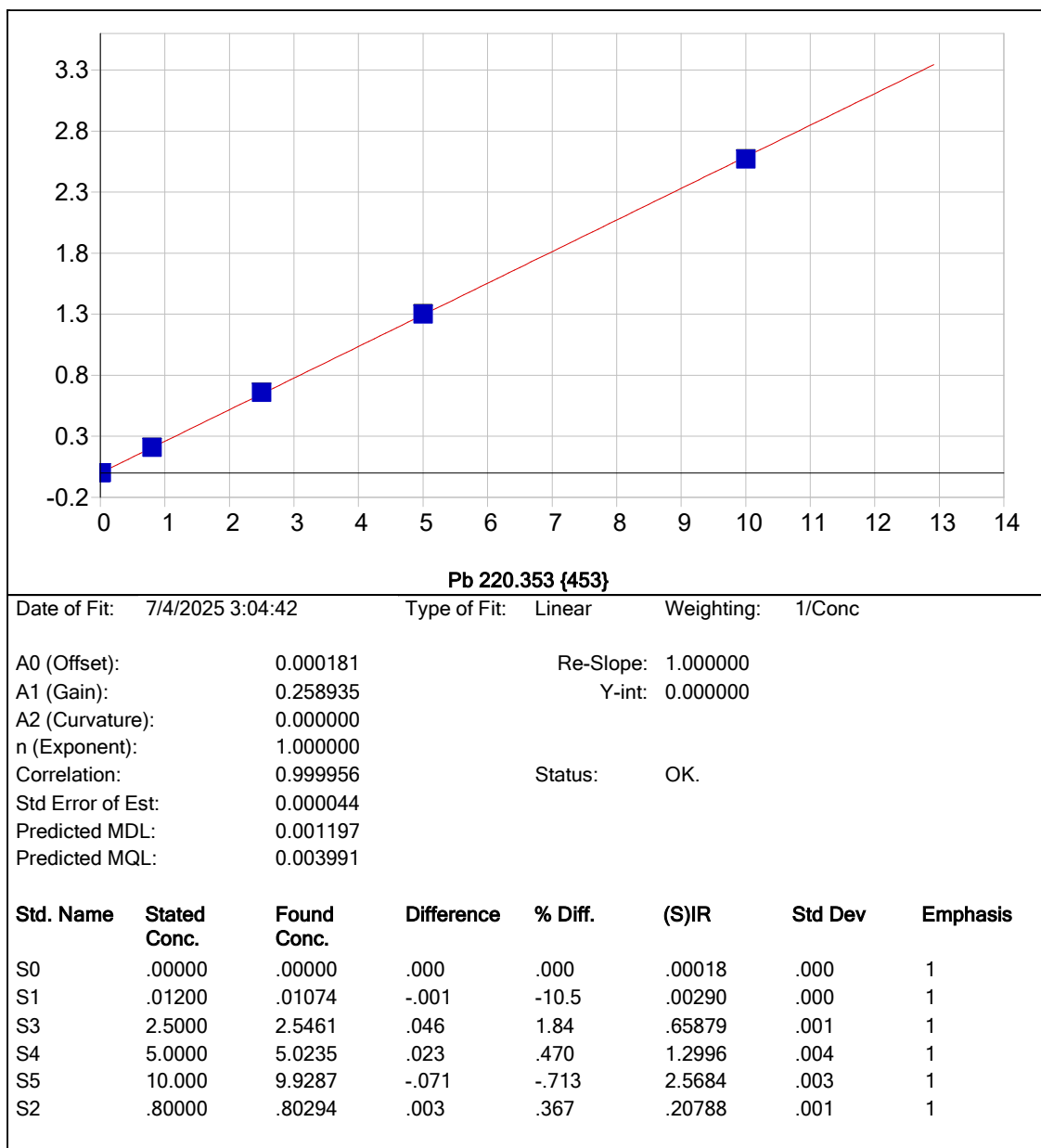


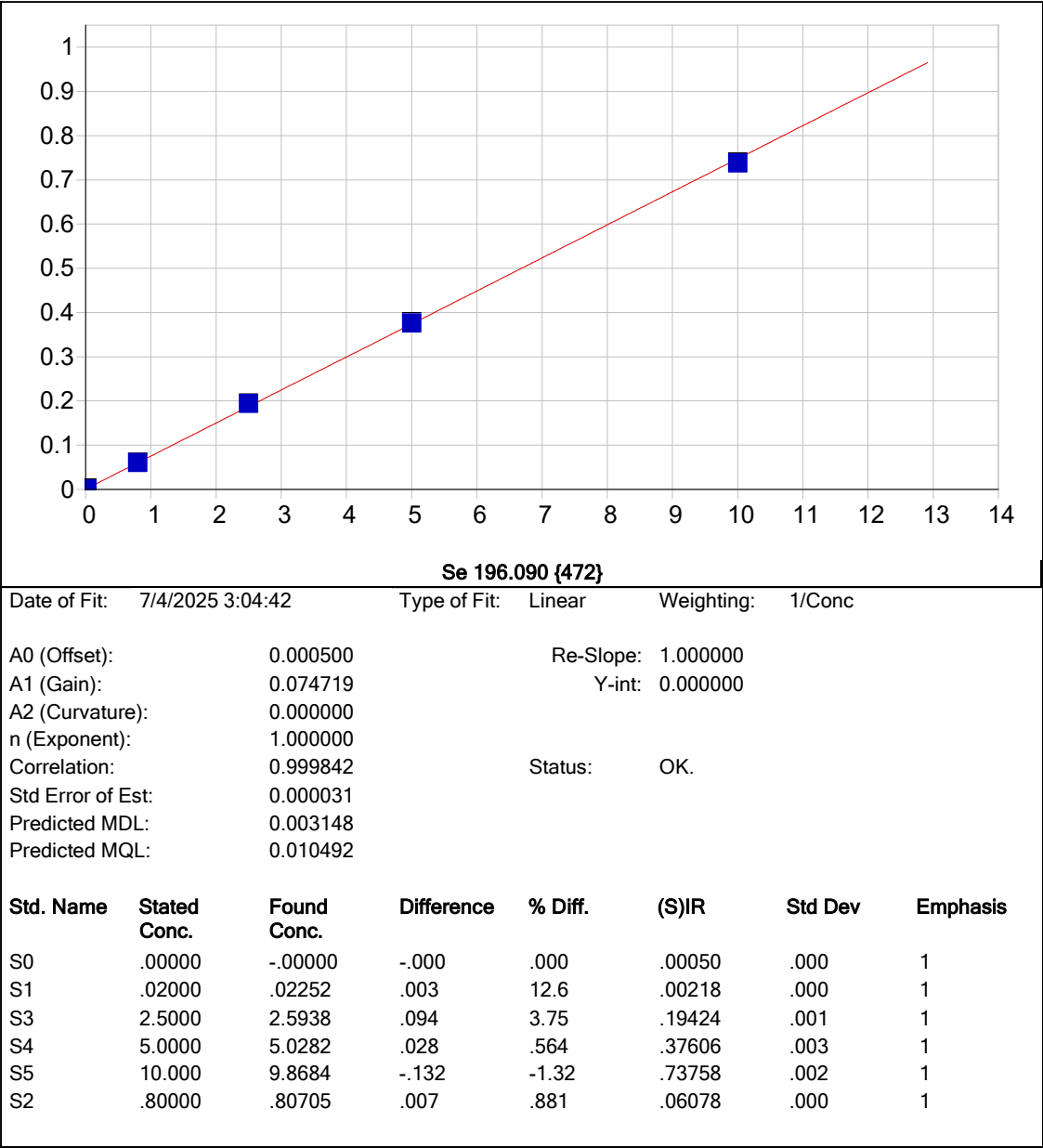
TI 190.856 {477}

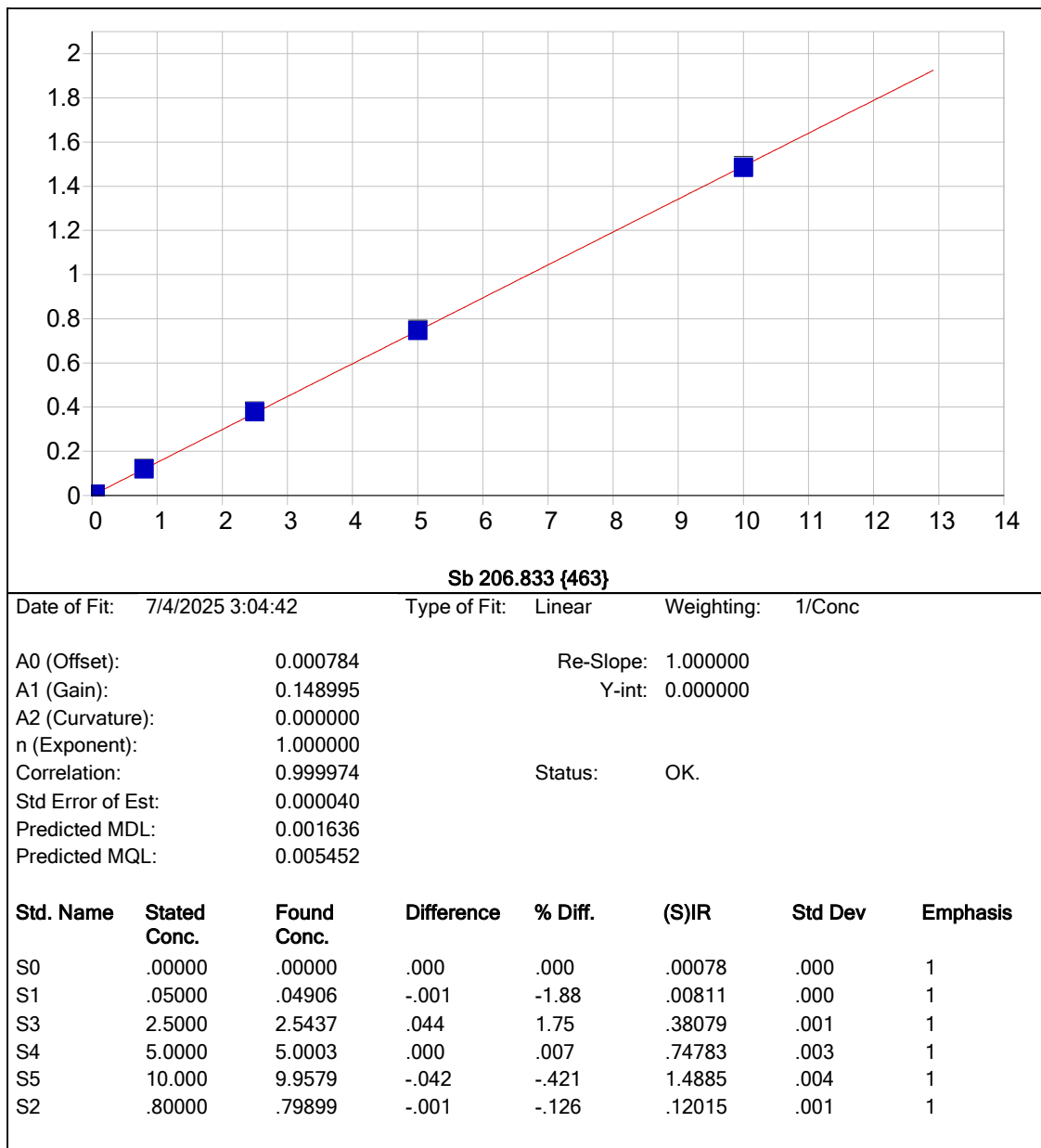
Date of Fit: 7/4/2025 3:04:42 Type of Fit: Linear Weighting: 1/Conc

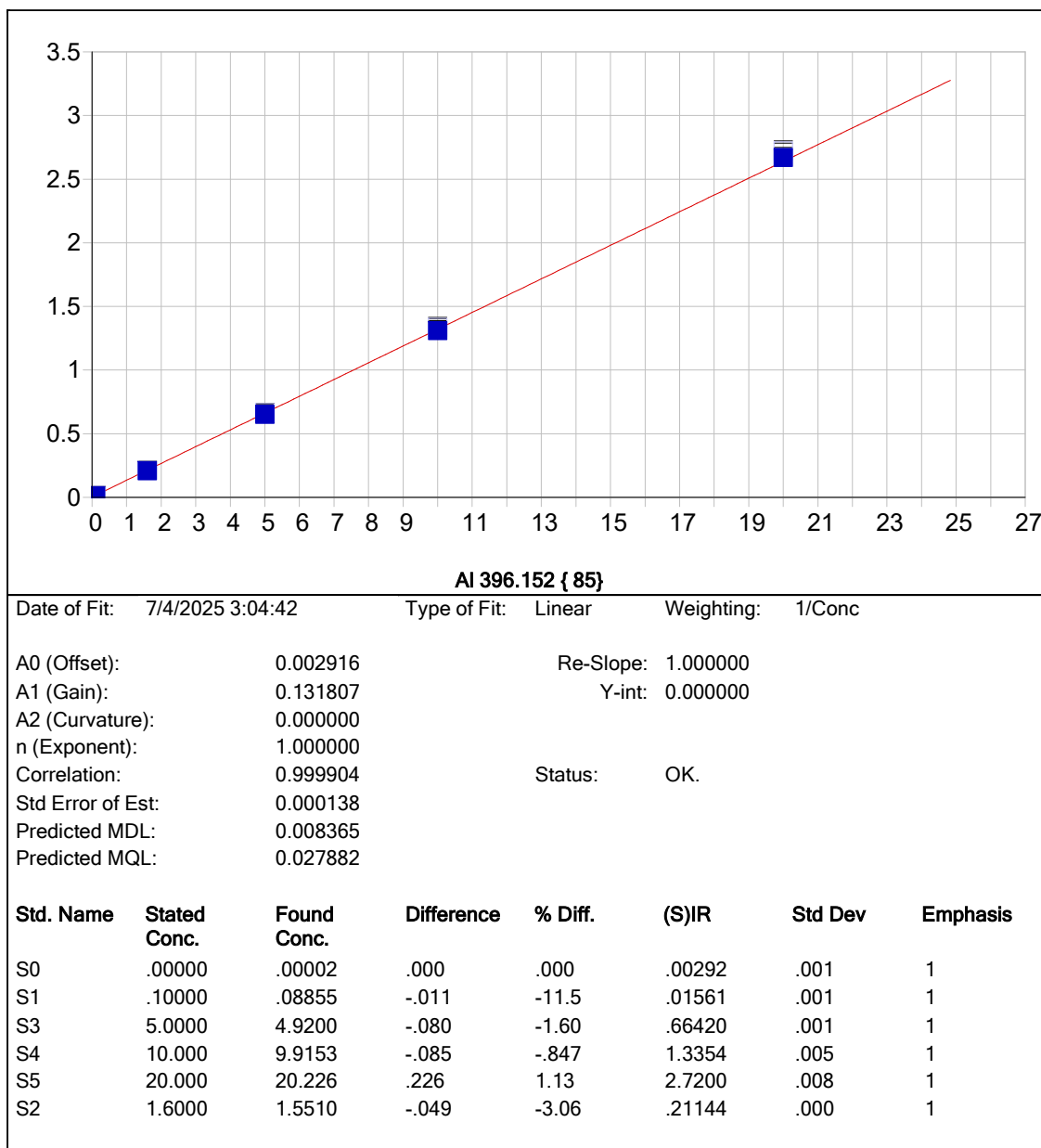
A0 (Offset): -0.000231 Re-Slope: 1.000000
A1 (Gain): 0.082572 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999830 Status: OK.
Std Error of Est: 0.000050
Predicted MDL: 0.001820
Predicted MQL: 0.006068

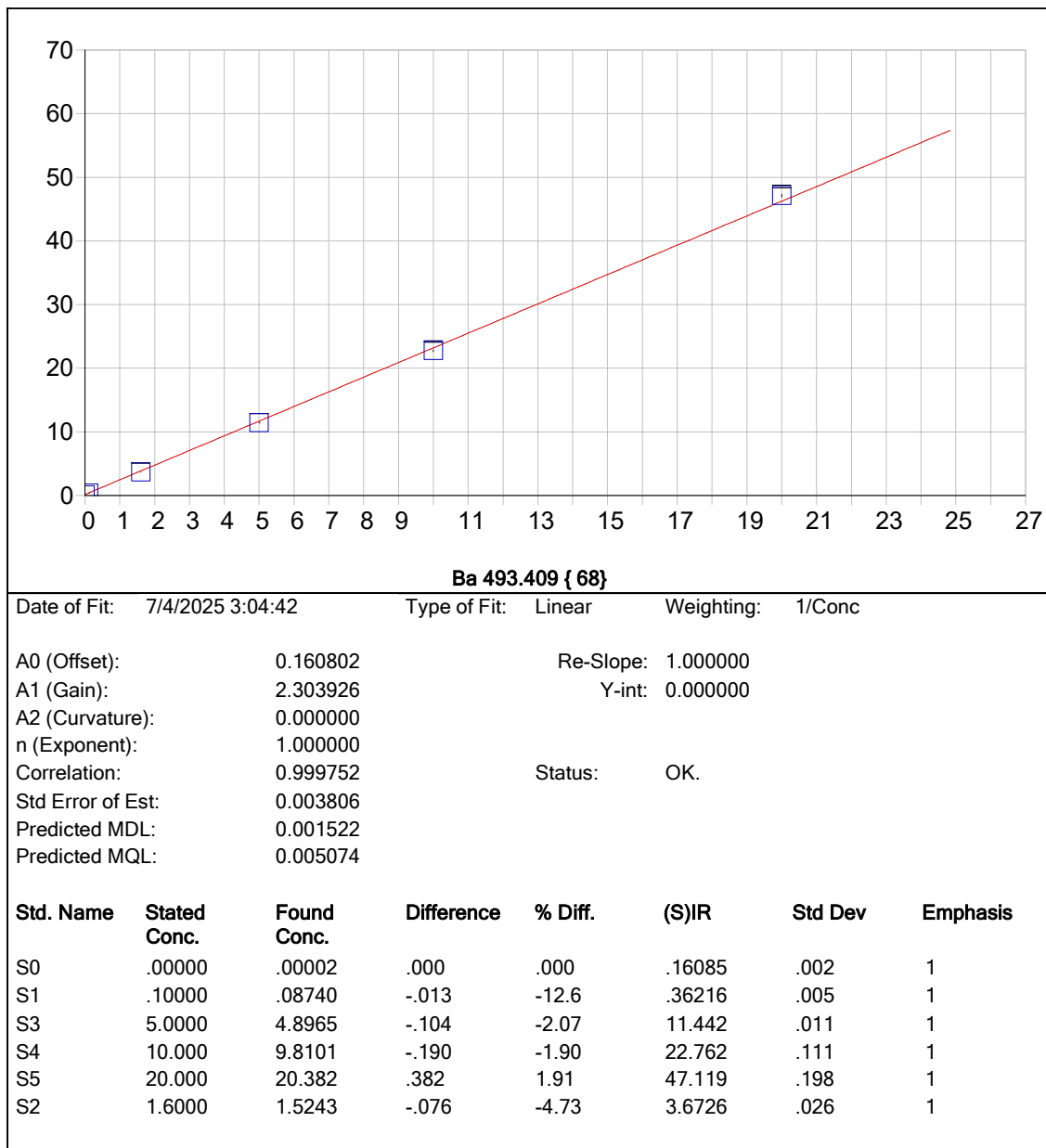
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00023	.000	1
S1	.04000	.03989	-.000	-.272	.00285	.000	1
S3	2.5000	2.5575	.057	2.30	.20715	.002	1
S4	5.0000	5.0663	.066	1.33	.41051	.011	1
S5	10.000	9.8434	-.157	-1.57	.79739	.016	1
S2	.80000	.83294	.033	4.12	.06733	.000	1

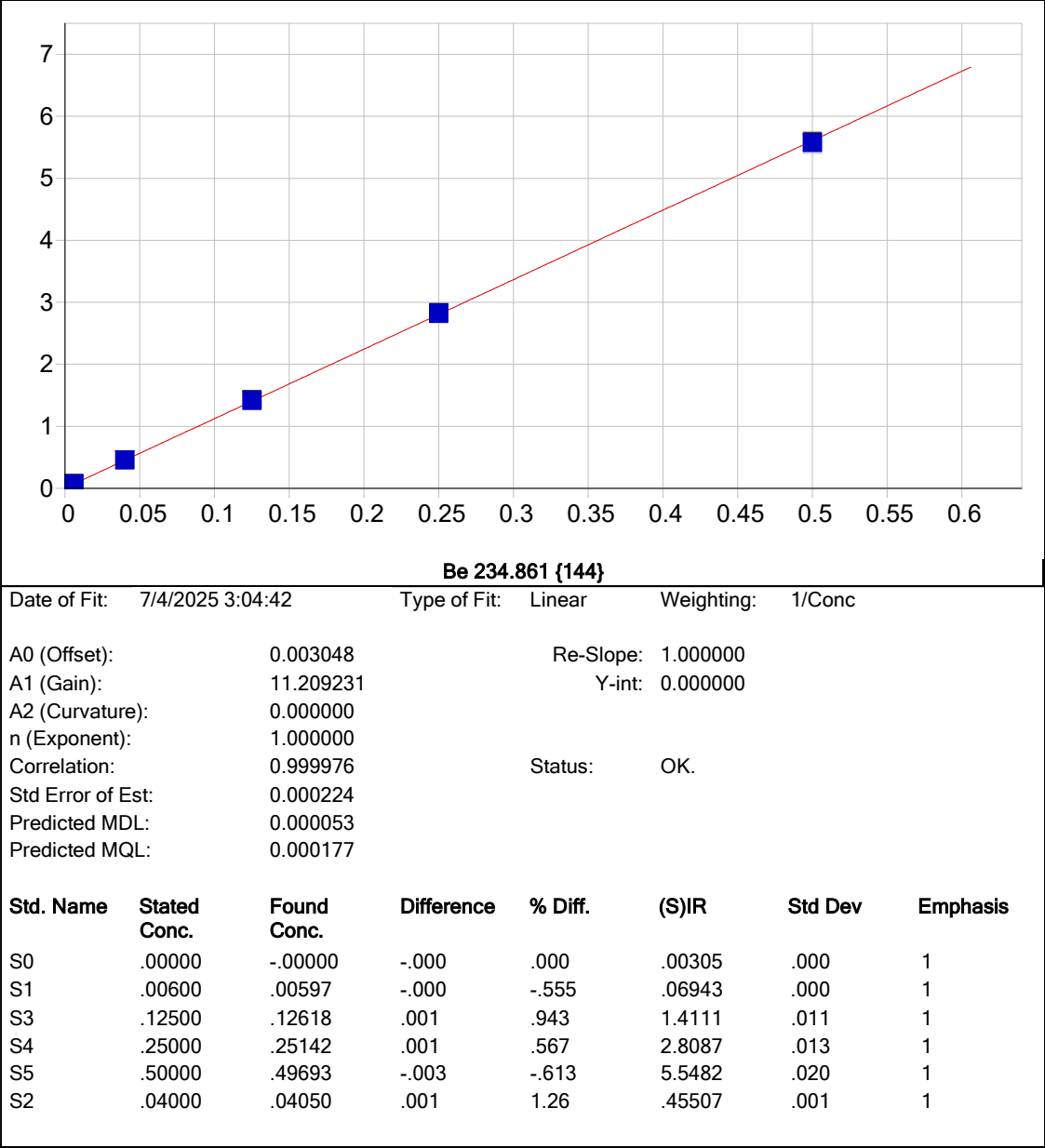


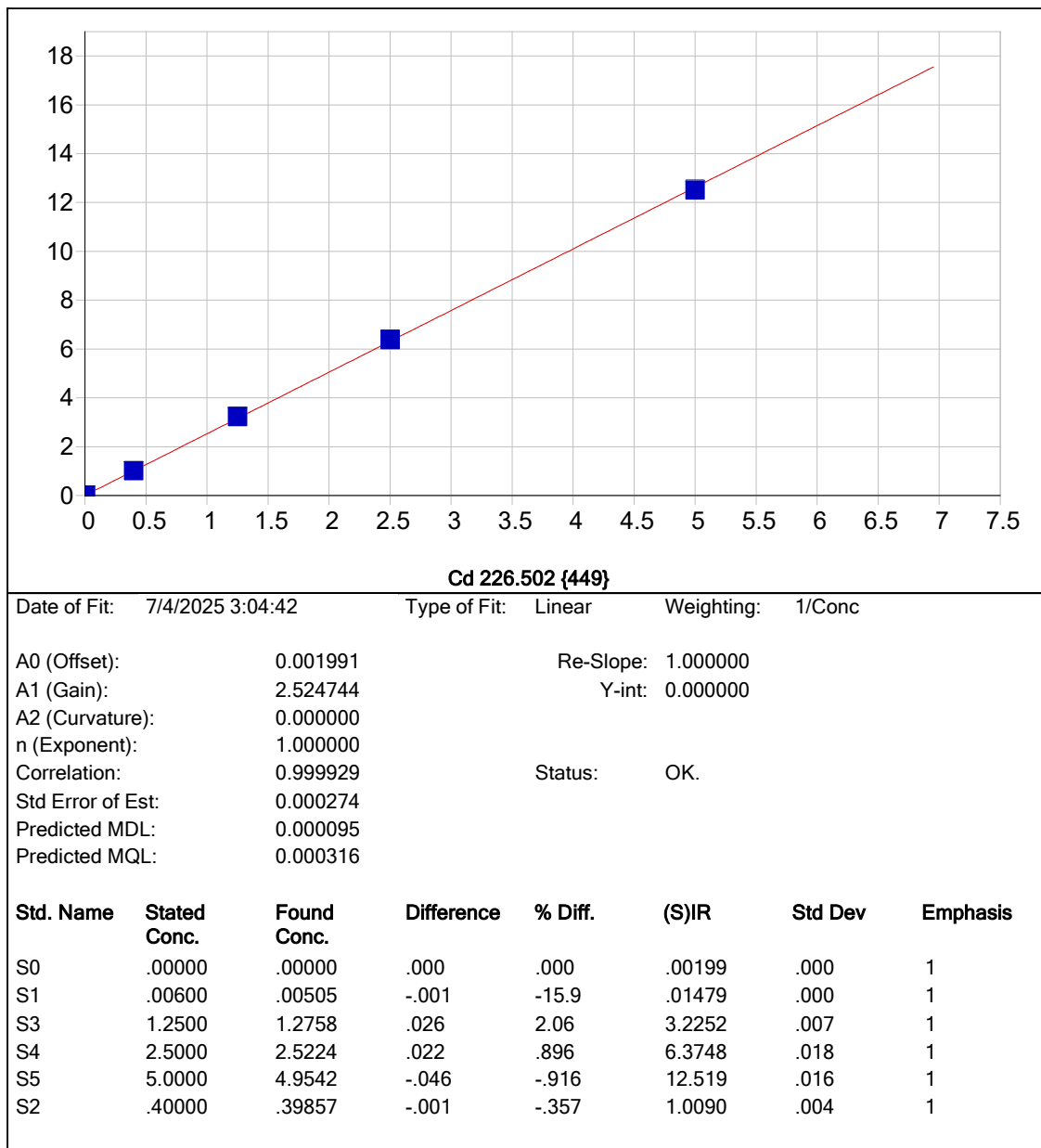


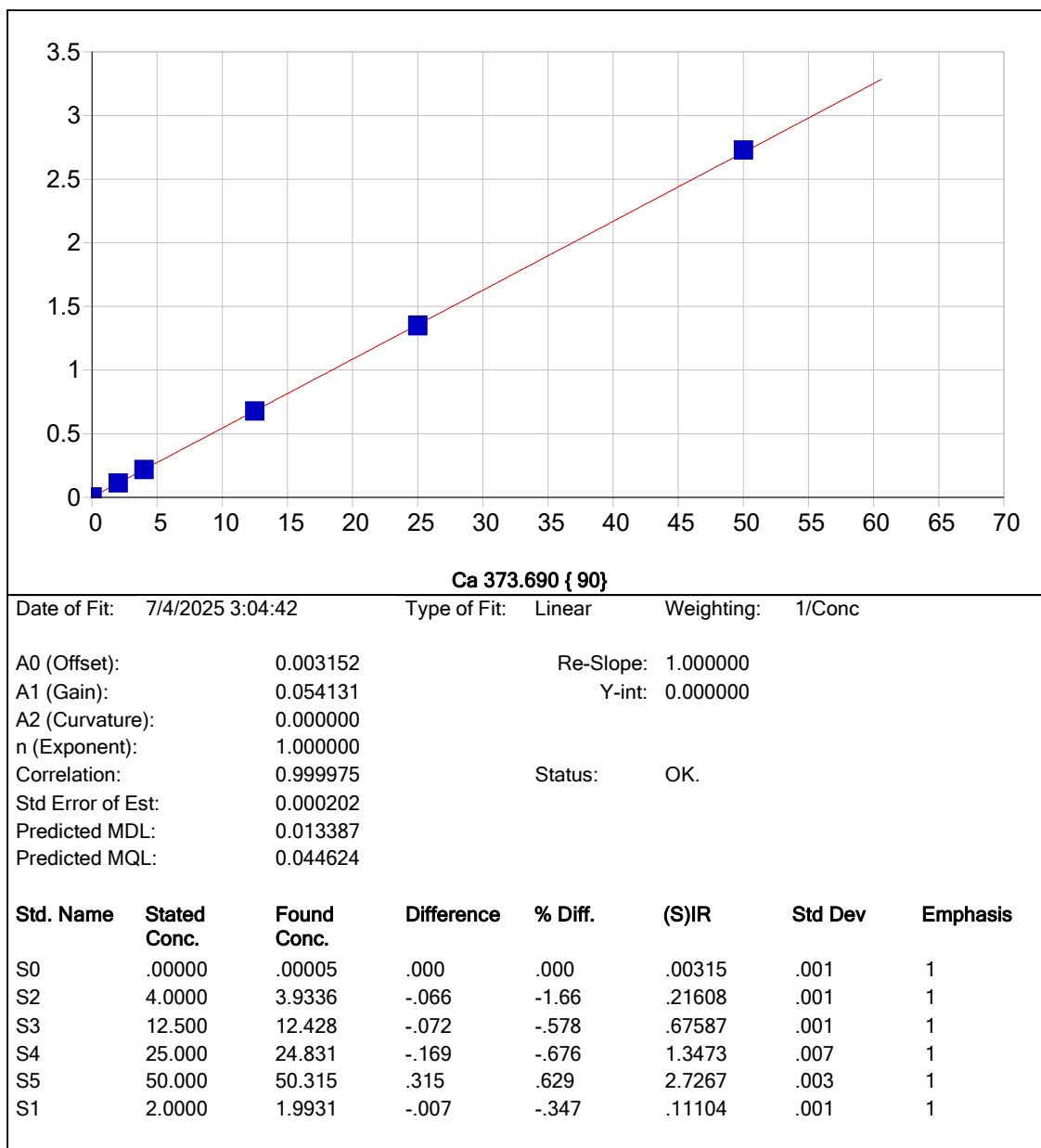


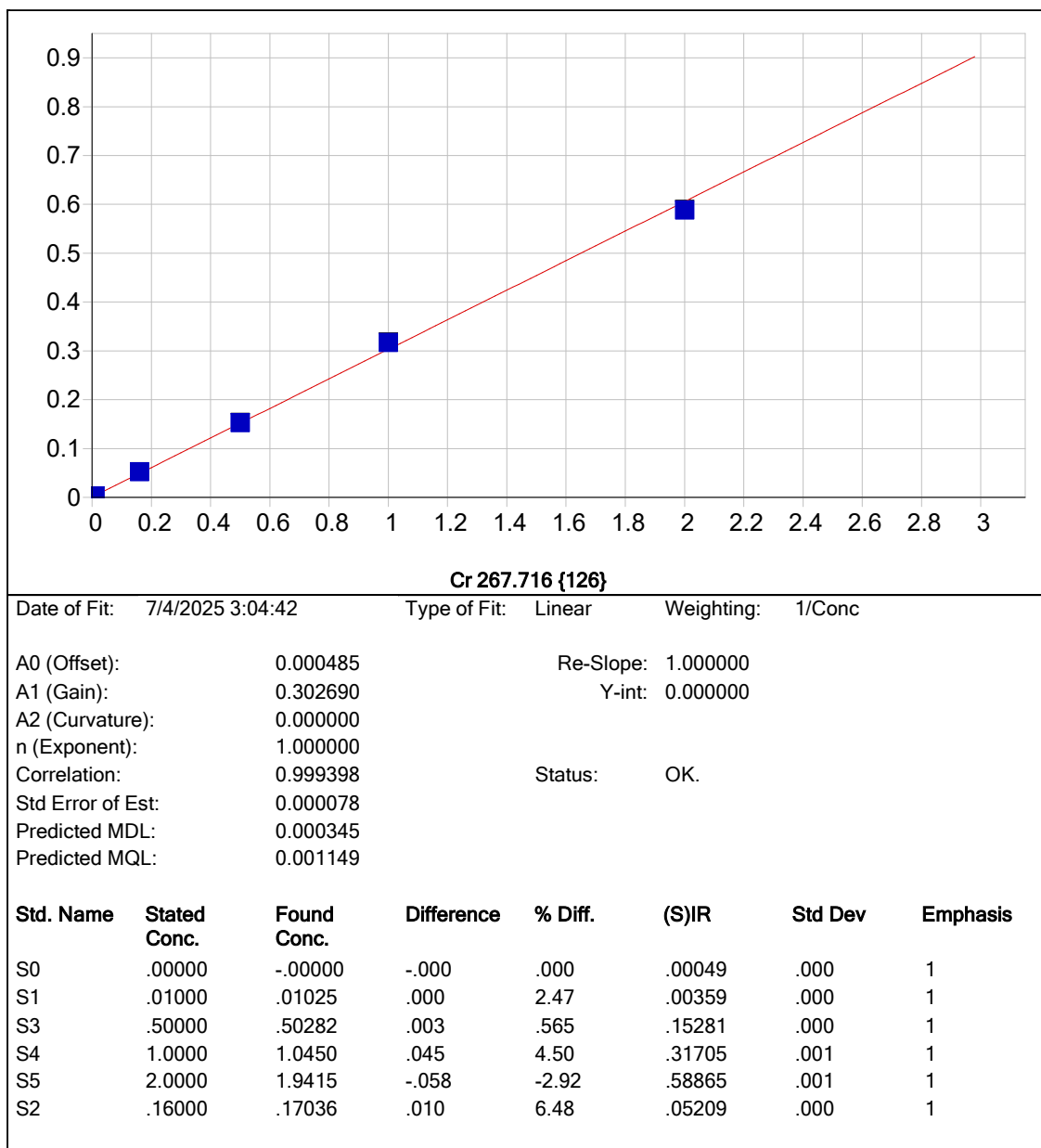


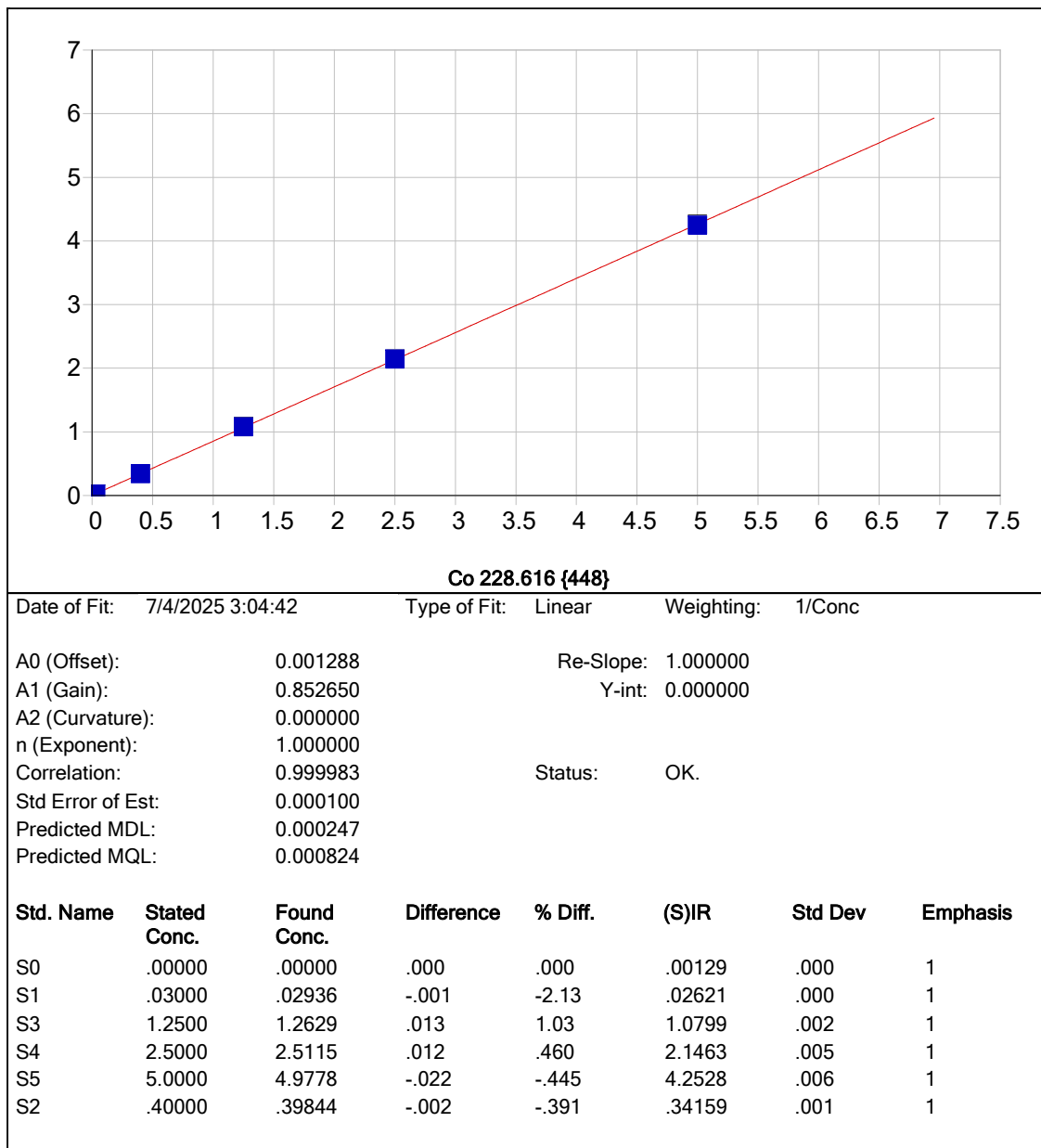


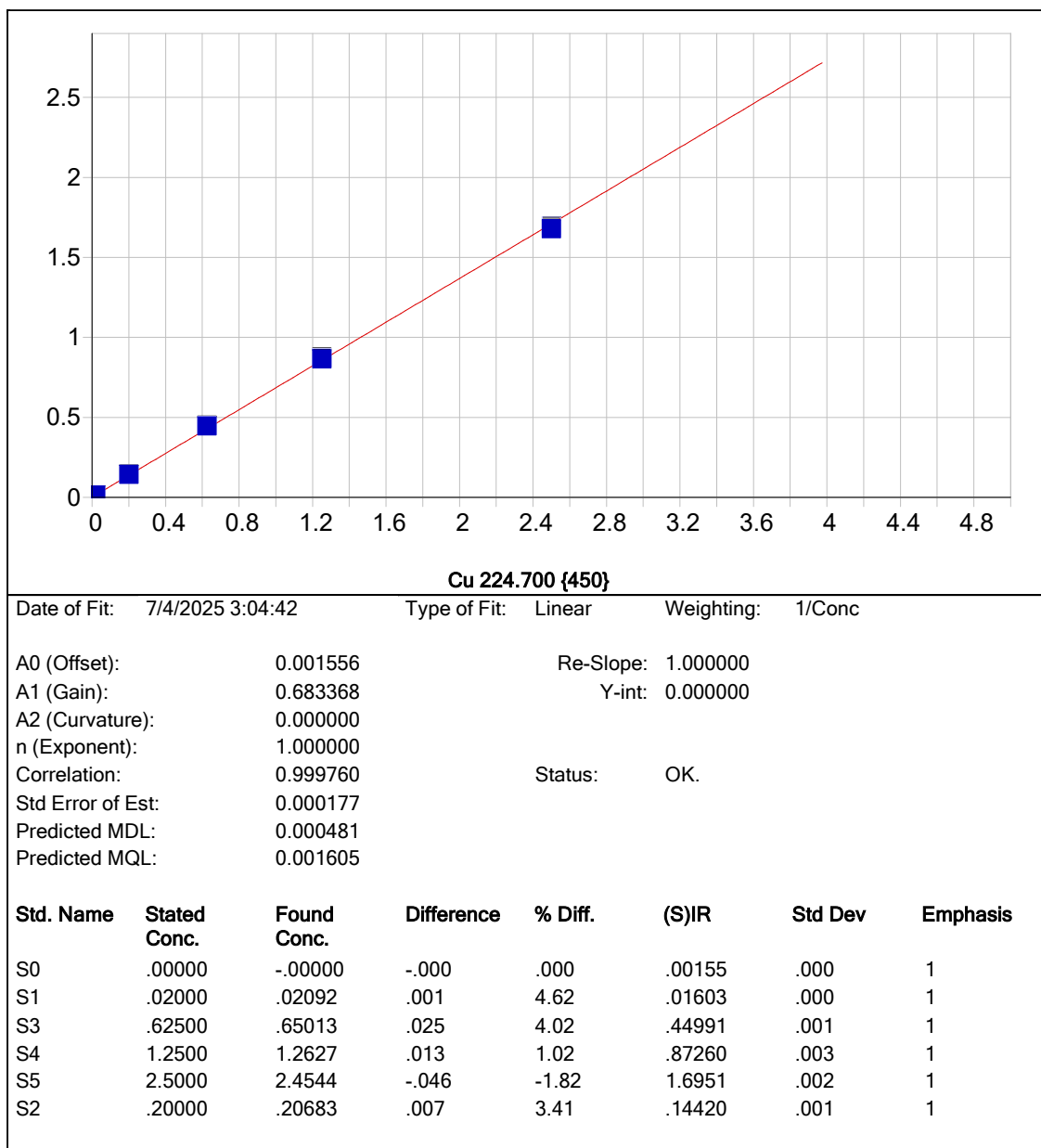


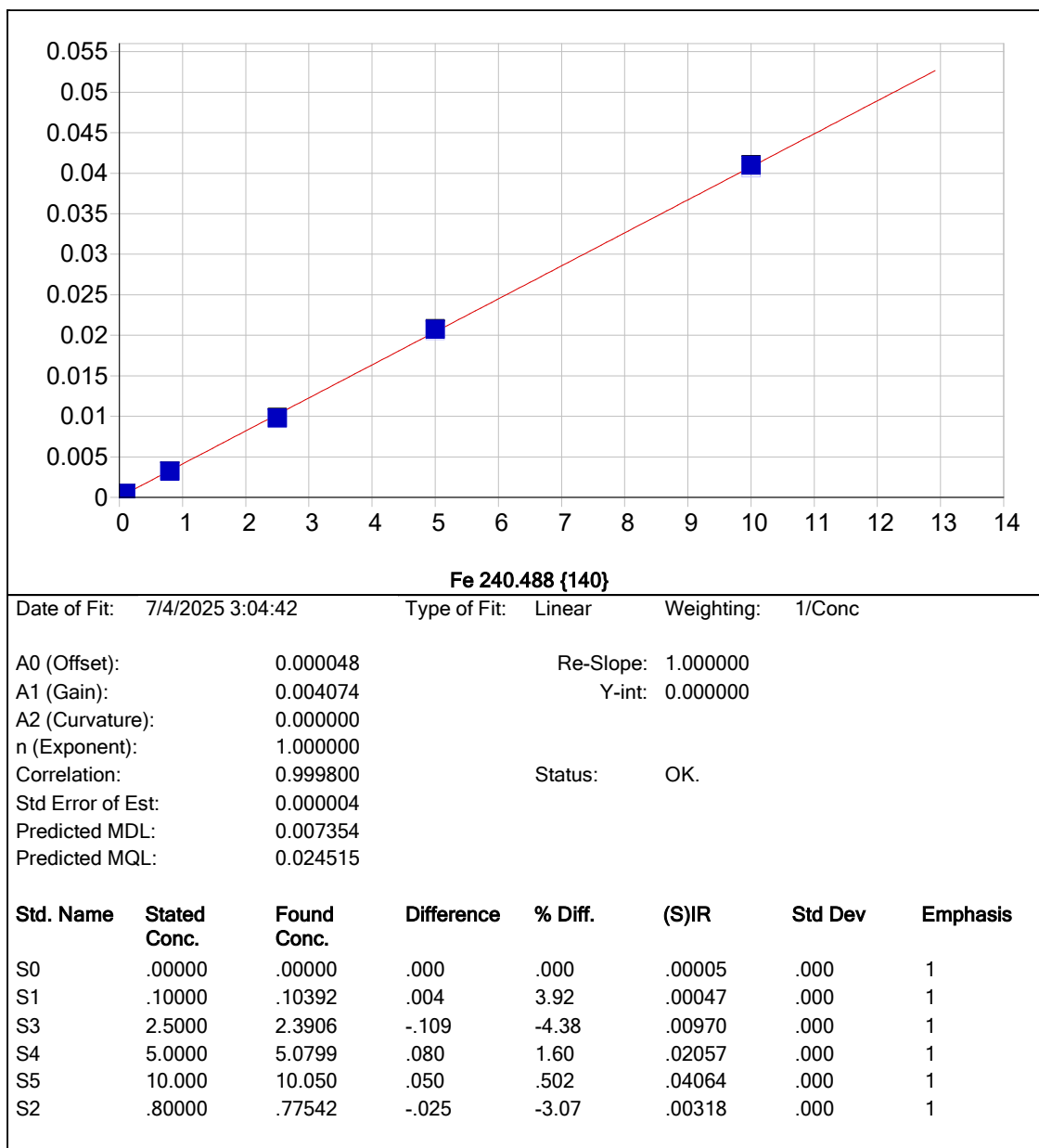


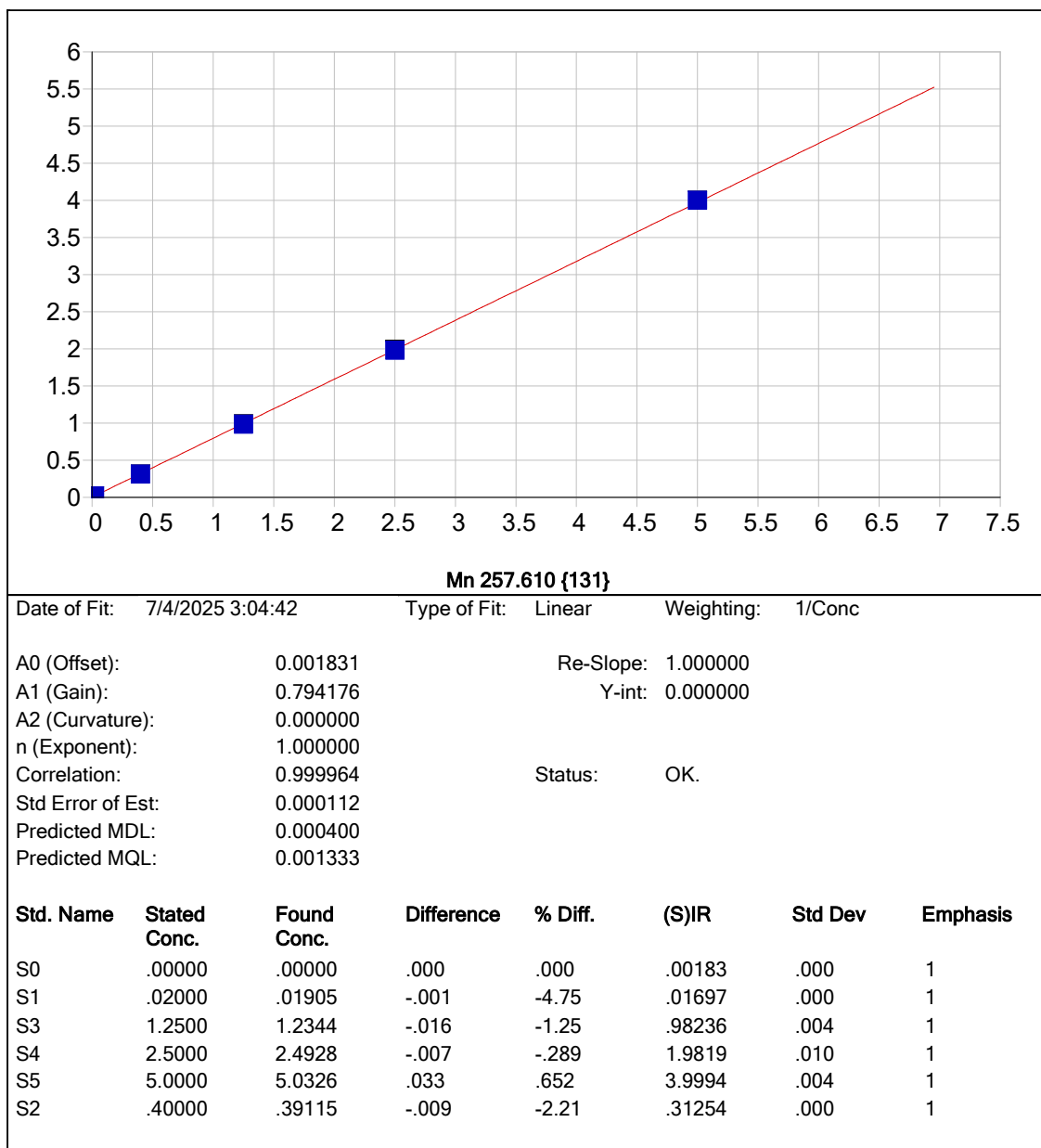


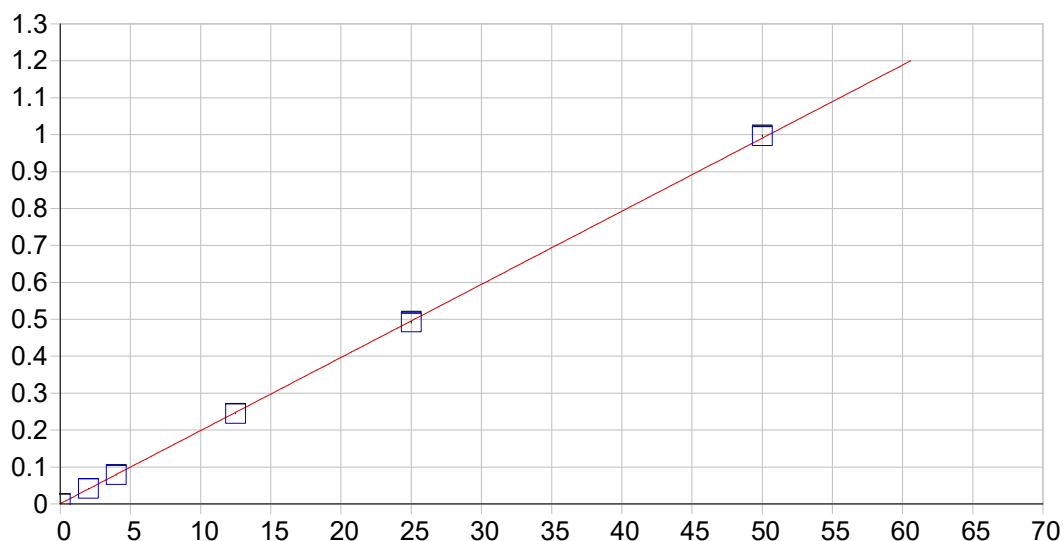










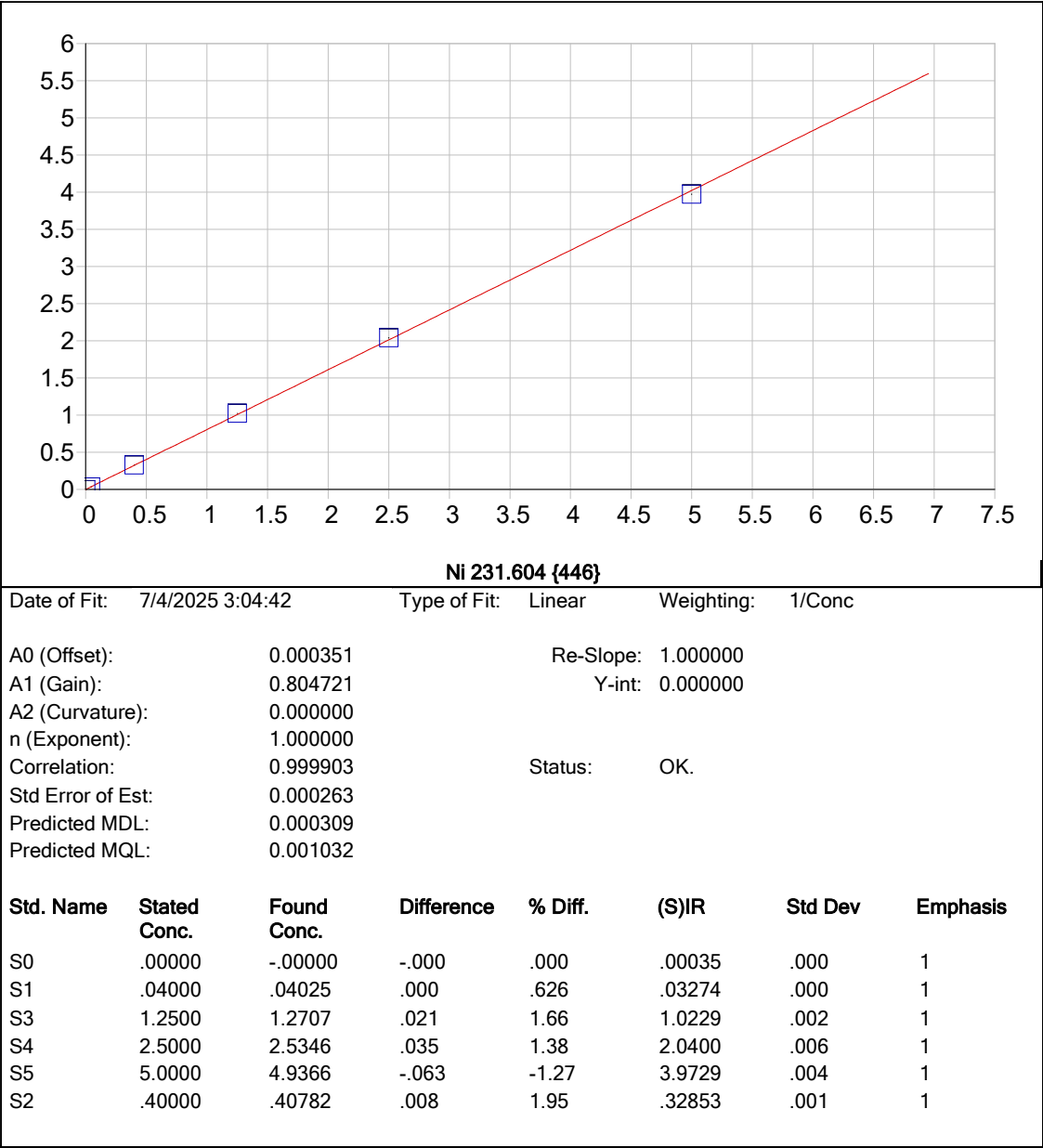


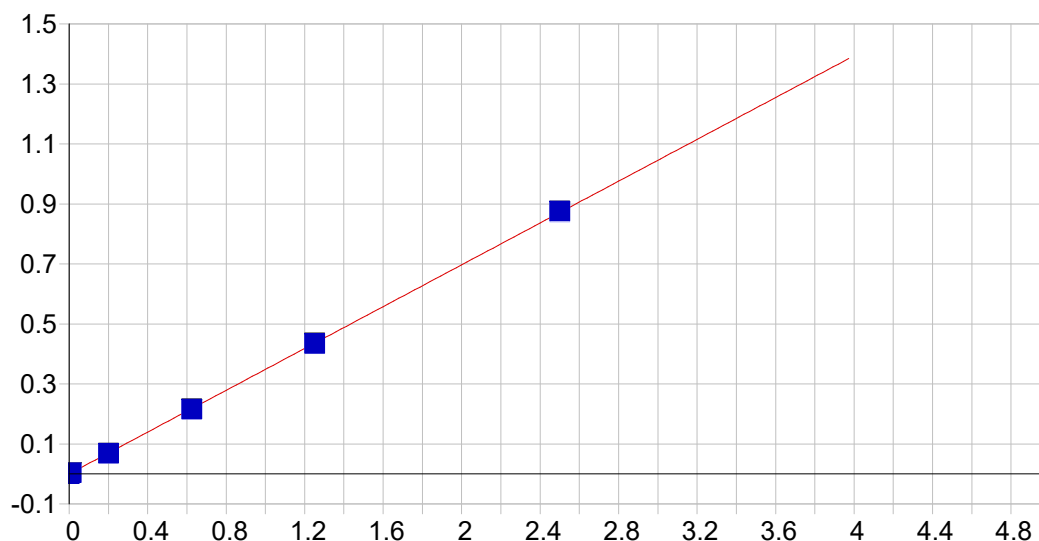
Mg 279.079 {121}

Date of Fit: 7/4/2025 3:04:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000638 Re-Slope: 1.000000
A1 (Gain): 0.019799 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999953 Status: OK.
Std Error of Est: 0.000101
Predicted MDL: 0.020094
Predicted MQL: 0.066980

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00064	.000	1
S2	4.0000	3.9389	-.061	-1.53	.07862	.000	1
S3	12.500	12.328	-.172	-1.38	.24471	.001	1
S4	25.000	24.843	-.157	-.630	.49249	.003	1
S5	50.000	50.322	.322	.644	.99694	.002	1
S1	2.0000	2.0691	.069	3.46	.04160	.000	1



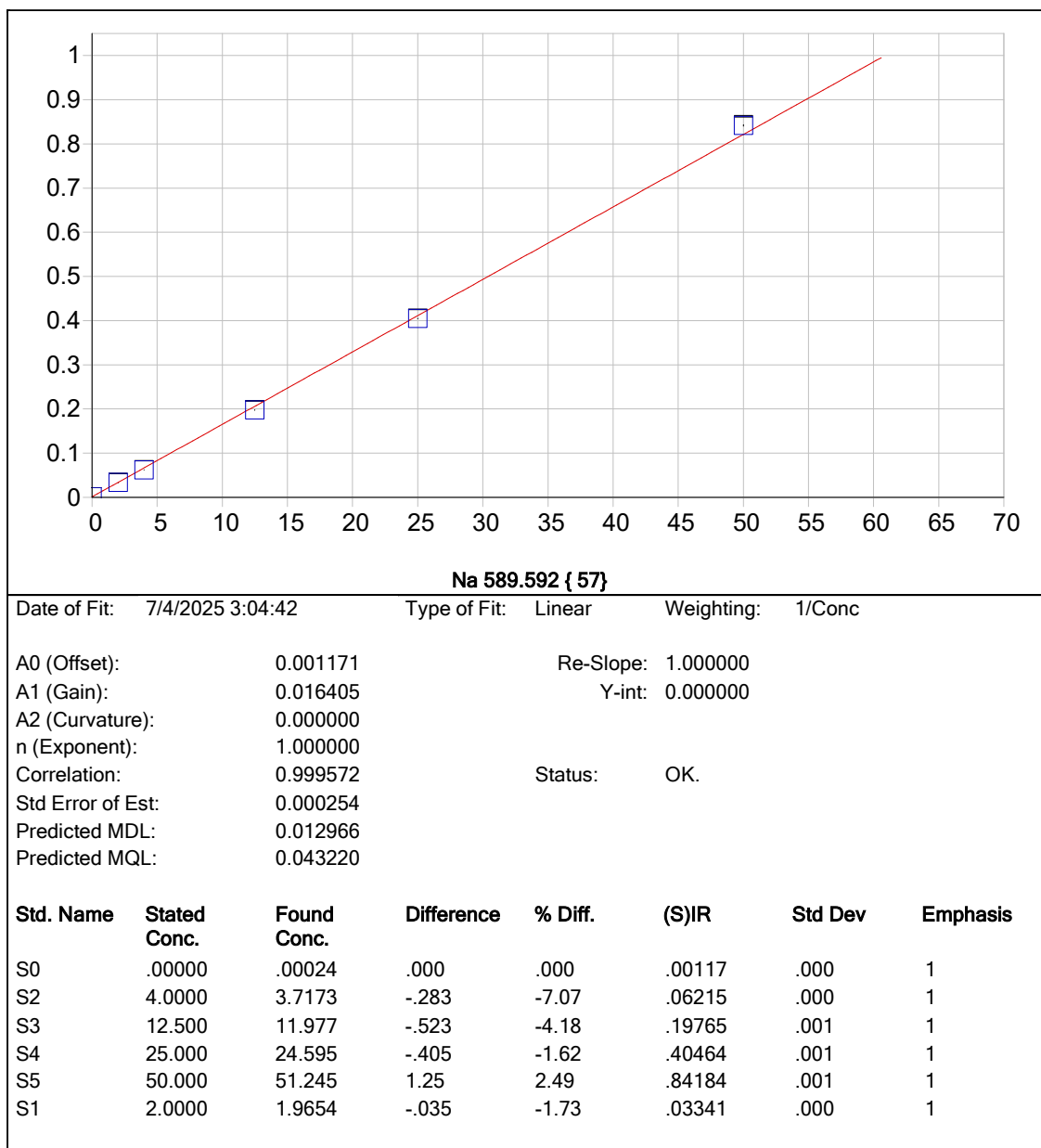


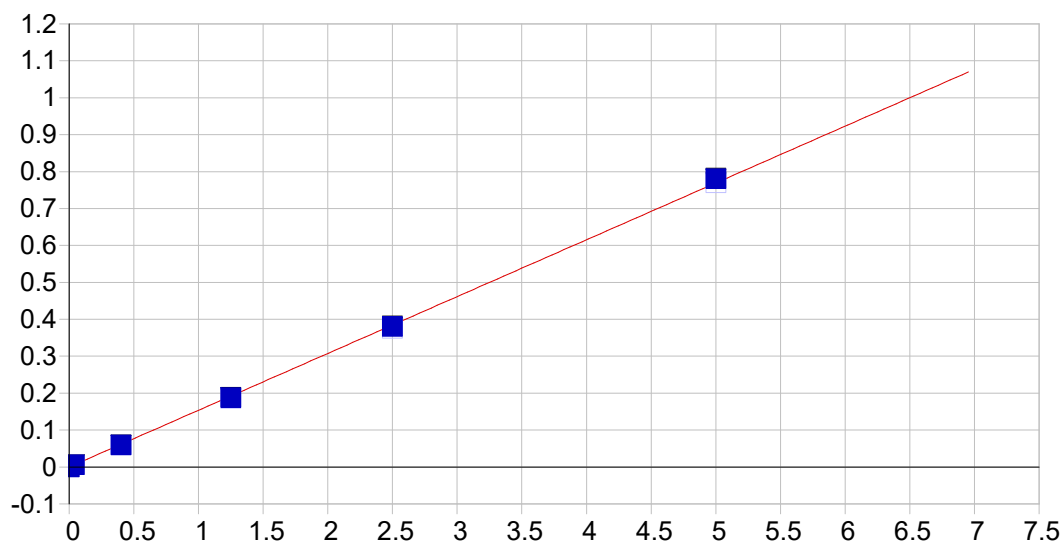
Ag 328.068 {103}

Date of Fit: 7/4/2025 3:04:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000053 Re-Slope: 1.000000
A1 (Gain): 0.348498 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999972 Status: OK.
Std Error of Est: 0.000022
Predicted MDL: 0.000464
Predicted MQL: 0.001546

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00005	.000	1
S1	.01000	.00907	-.001	-9.32	.00308	.000	1
S3	.62500	.61908	-.006	-.946	.21481	.000	1
S4	1.2500	1.2473	-.003	-.220	.43285	.002	1
S5	2.5000	2.5126	.013	.505	.87207	.001	1
S2	.20000	.19696	-.003	-1.52	.06830	.000	1



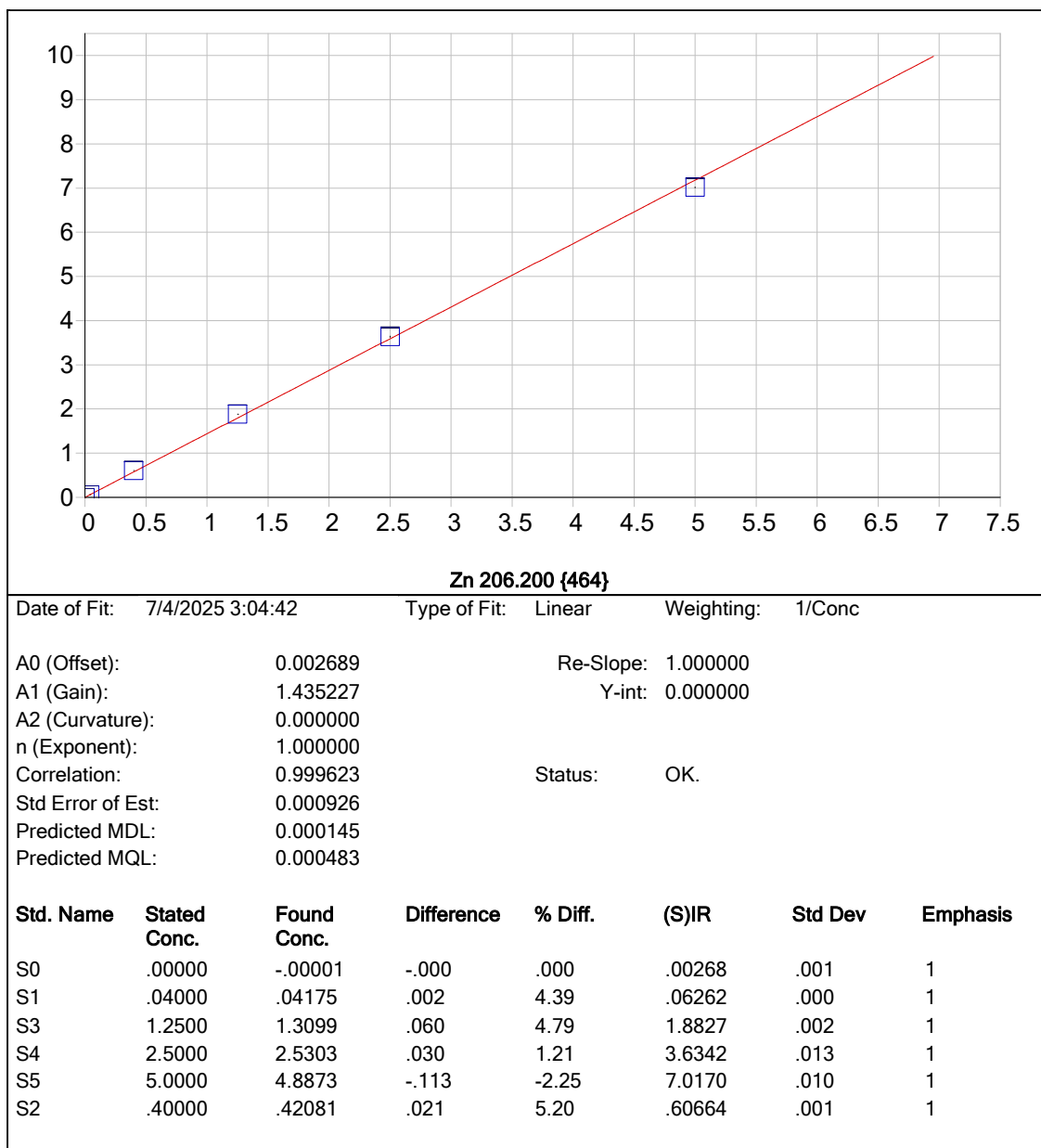


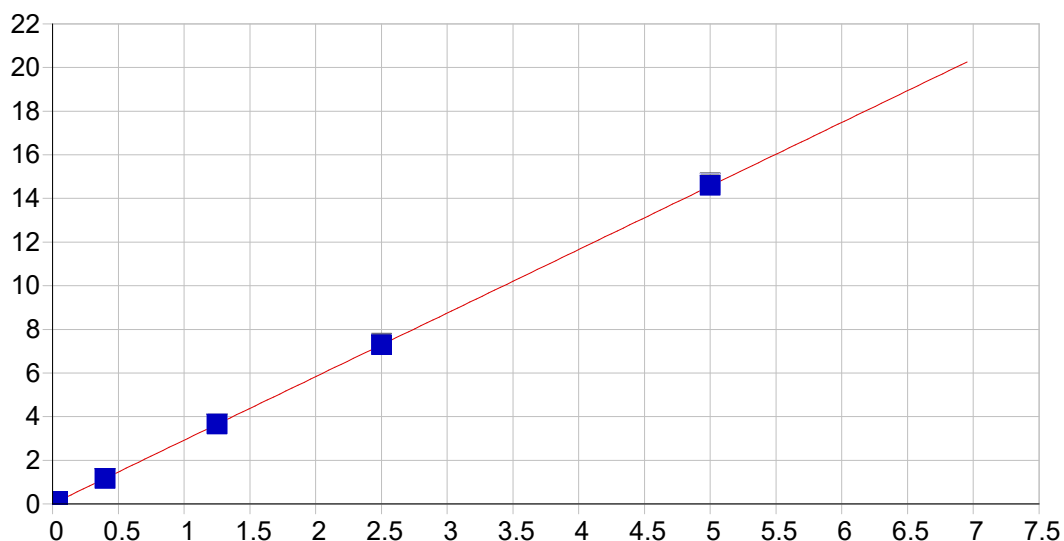
V 292.402 {115}

Date of Fit: 7/4/2025 3:04:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000247 Re-Slope: 1.000000
A1 (Gain): 0.153885 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999846 Status: OK.
Std Error of Est: 0.000062
Predicted MDL: 0.002807
Predicted MQL: 0.009357

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00025	.000	1
S1	.04000	.03757	-.002	-6.07	.00530	.000	1
S3	1.2500	1.2203	-.030	-2.38	.18473	.001	1
S4	2.5000	2.4720	-.028	-1.12	.37455	.002	1
S5	5.0000	5.0740	.074	1.48	.76934	.002	1
S2	.40000	.38610	-.014	-3.48	.05827	.000	1



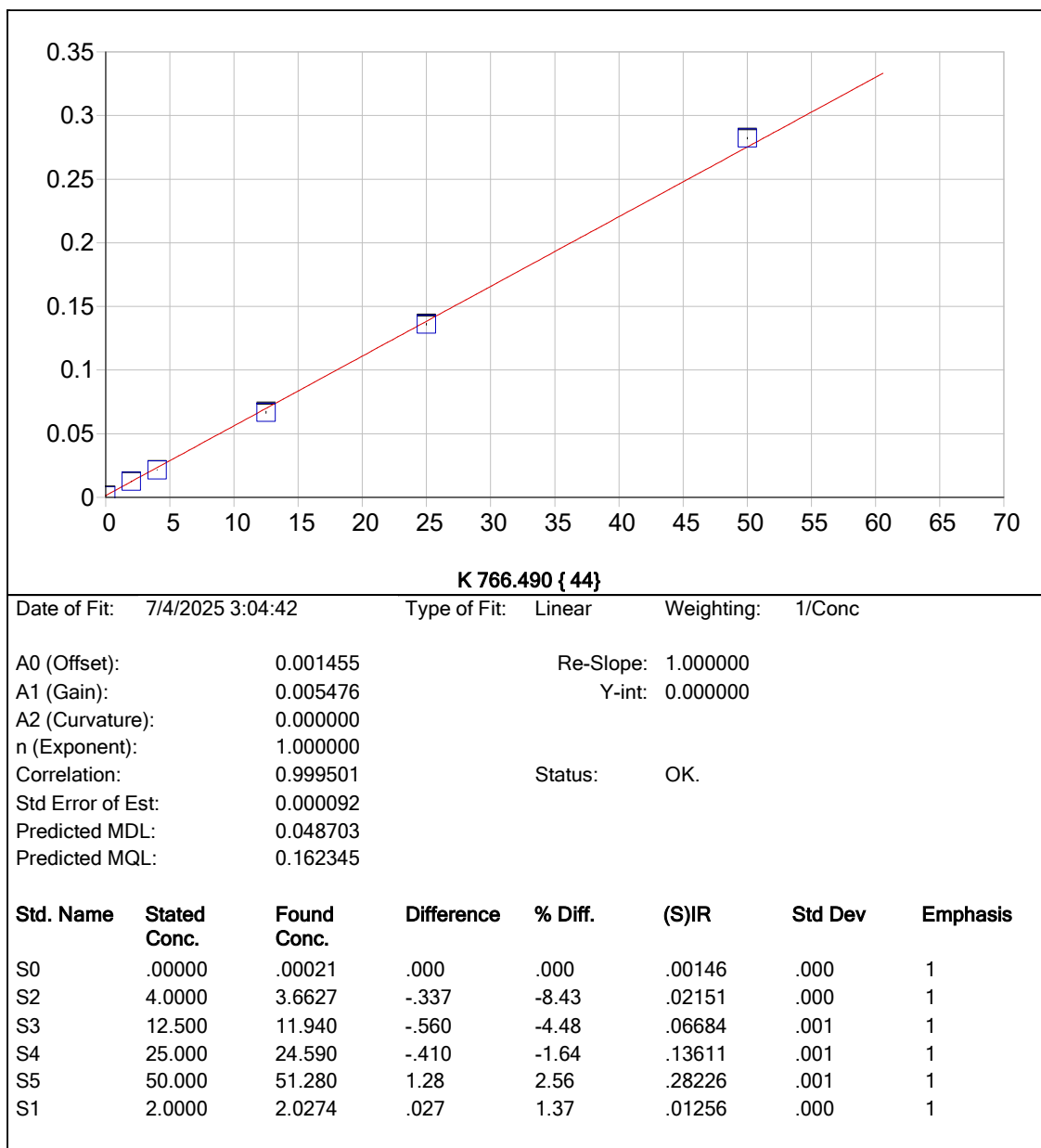


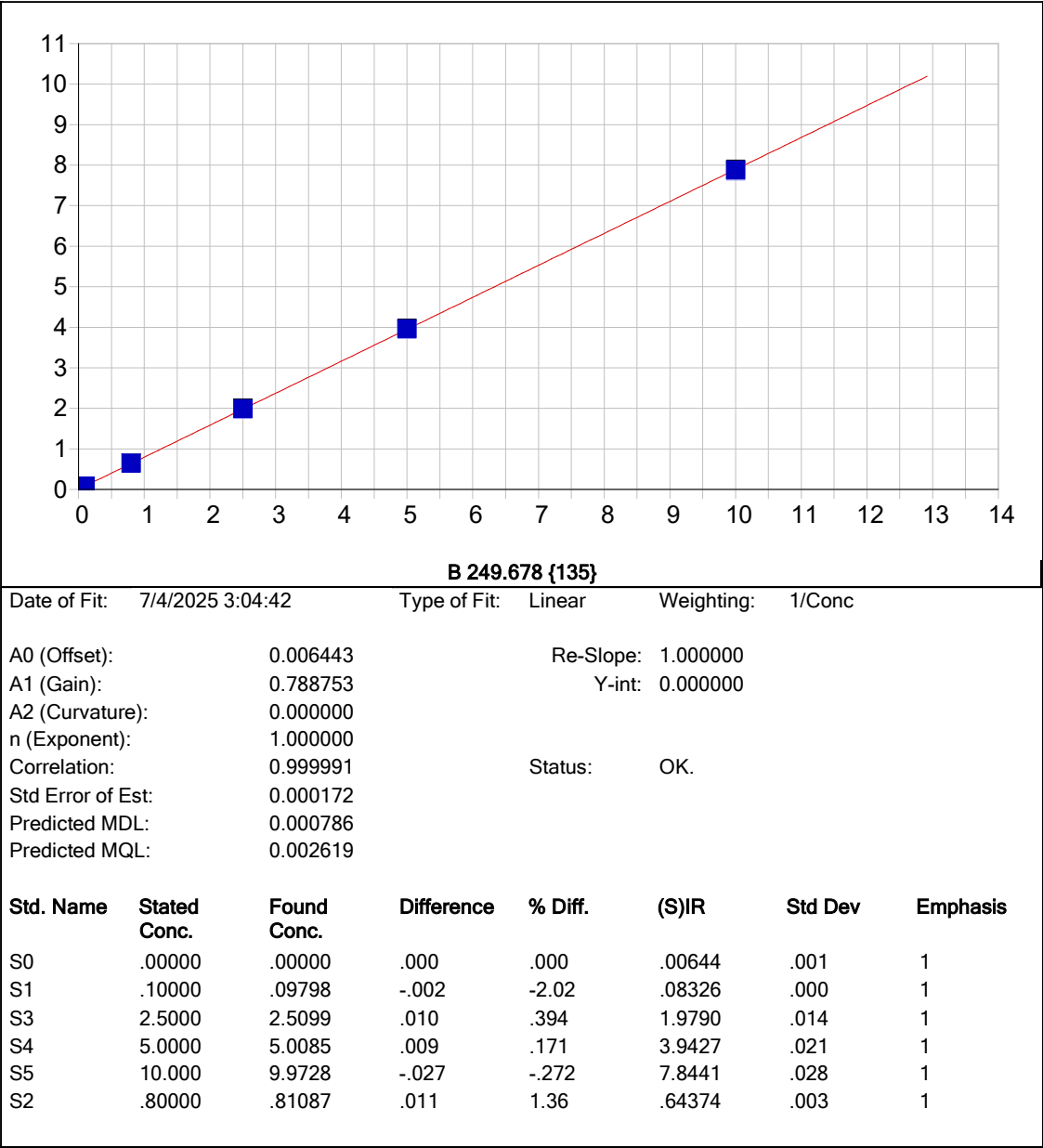
Zn 213.856 {158}

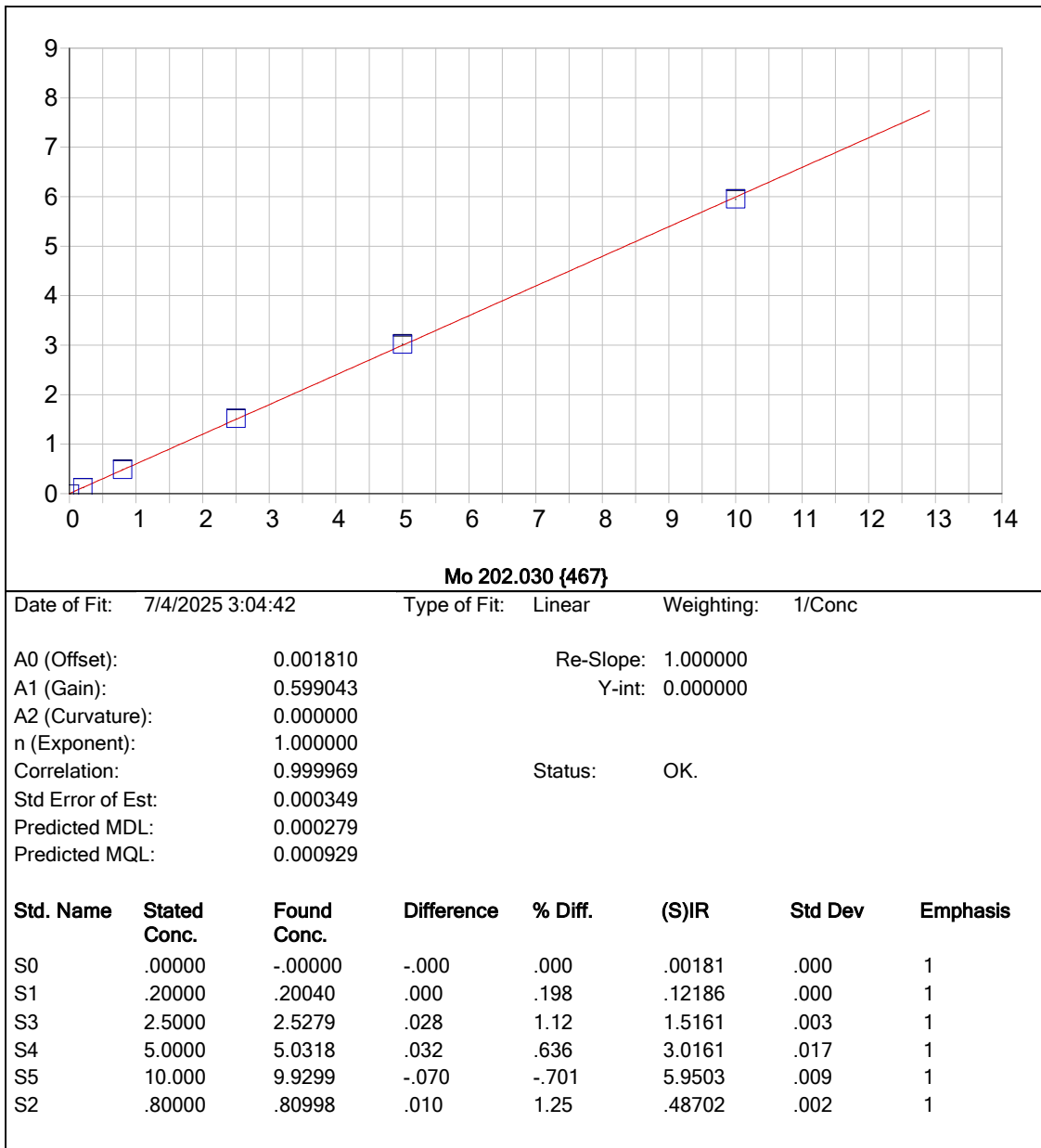
Date of Fit: 7/4/2025 3:04:42 Type of Fit: Linear Weighting: 1/Conc

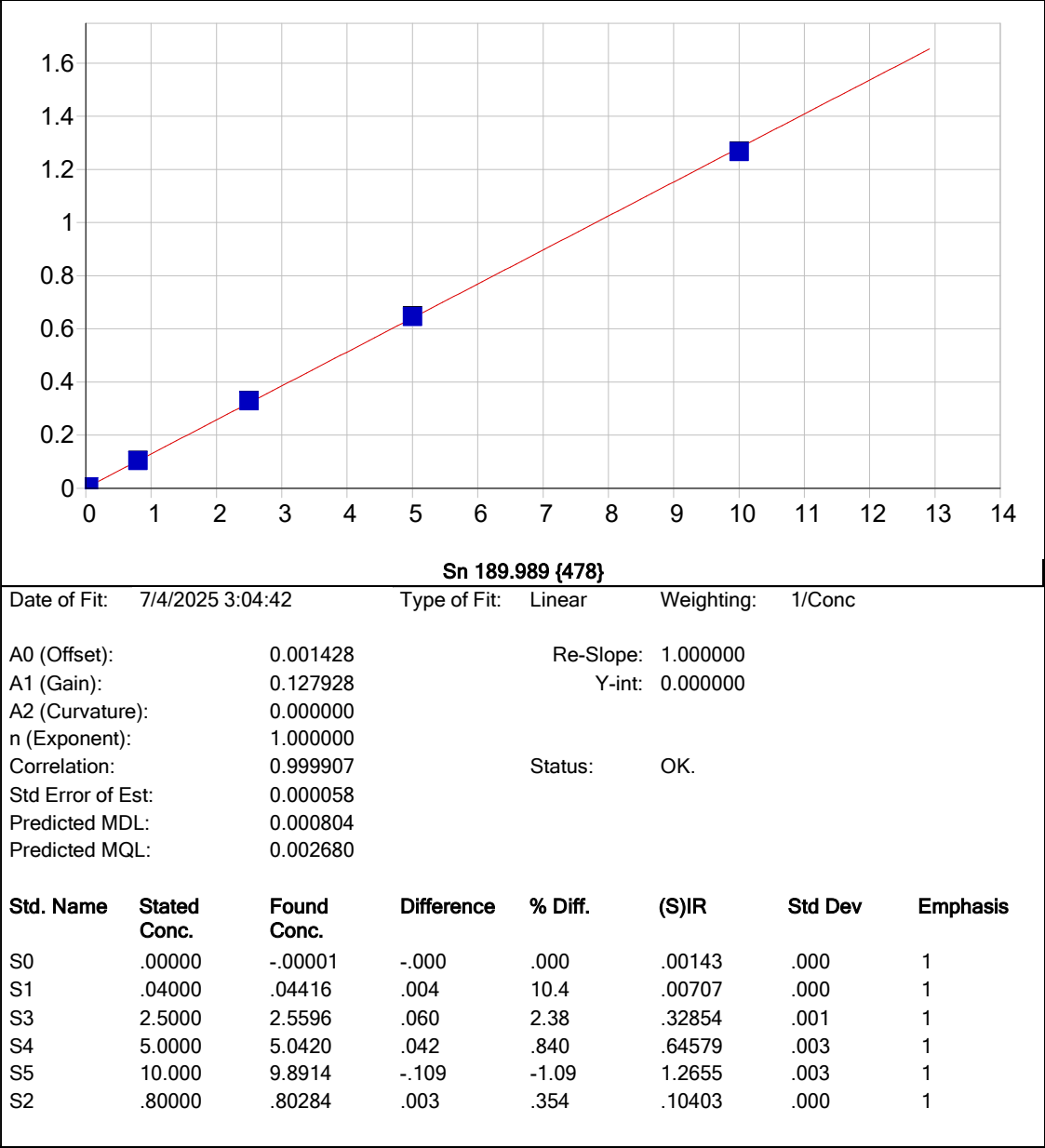
A0 (Offset): 0.007501 Re-Slope: 1.000000
A1 (Gain): 2.912768 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999994 Status: OK.
Std Error of Est: 0.000247
Predicted MDL: 0.000223
Predicted MQL: 0.000743

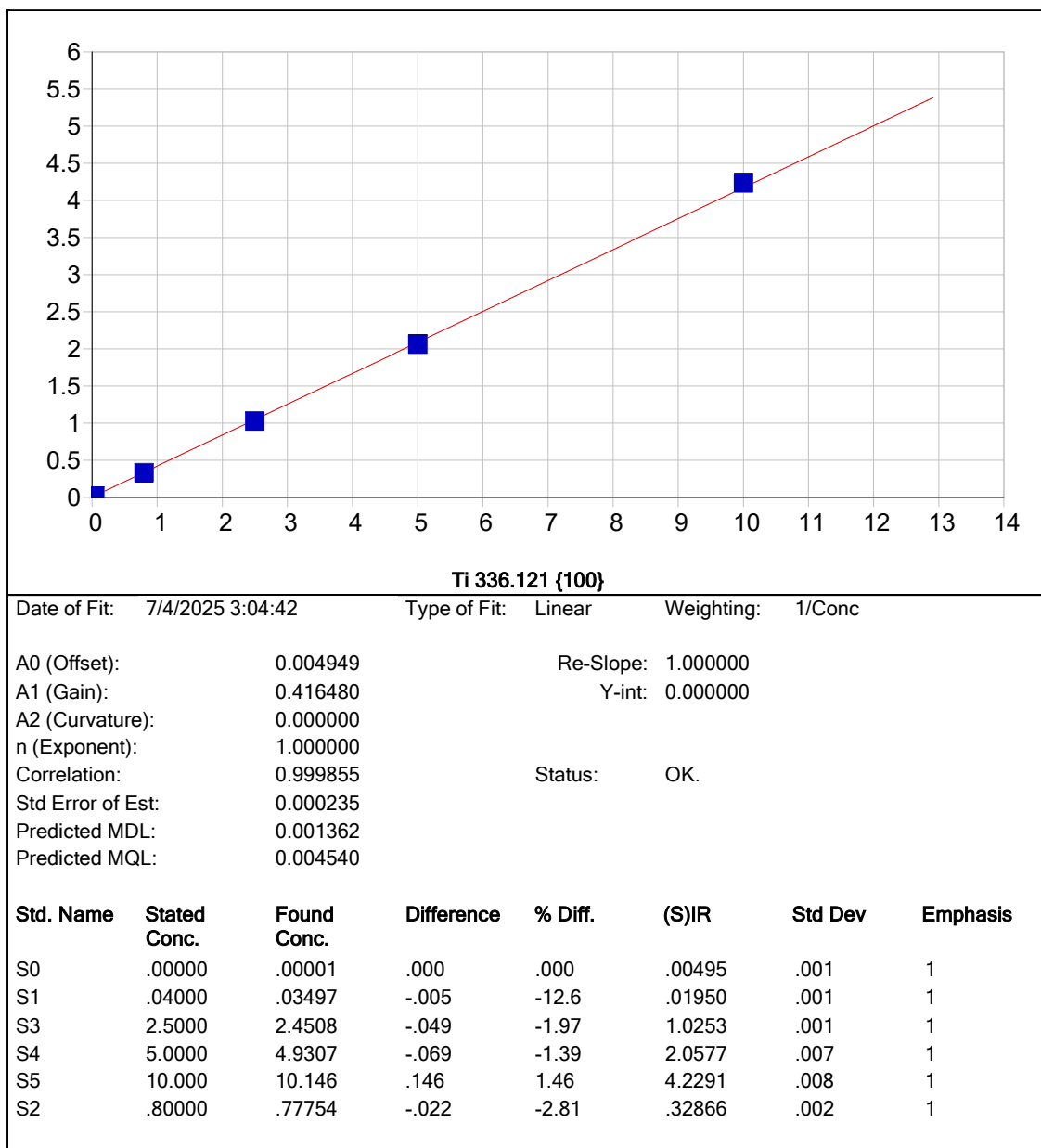
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00750	.000	1
S1	.04000	.03938	-.001	-1.55	.12302	.000	1
S3	1.2500	1.2503	.000	.024	3.6747	.009	1
S4	2.5000	2.5001	.000	.006	7.3405	.020	1
S5	5.0000	5.0065	.007	.131	14.692	.012	1
S2	.40000	.39363	-.006	-1.59	1.1622	.003	1

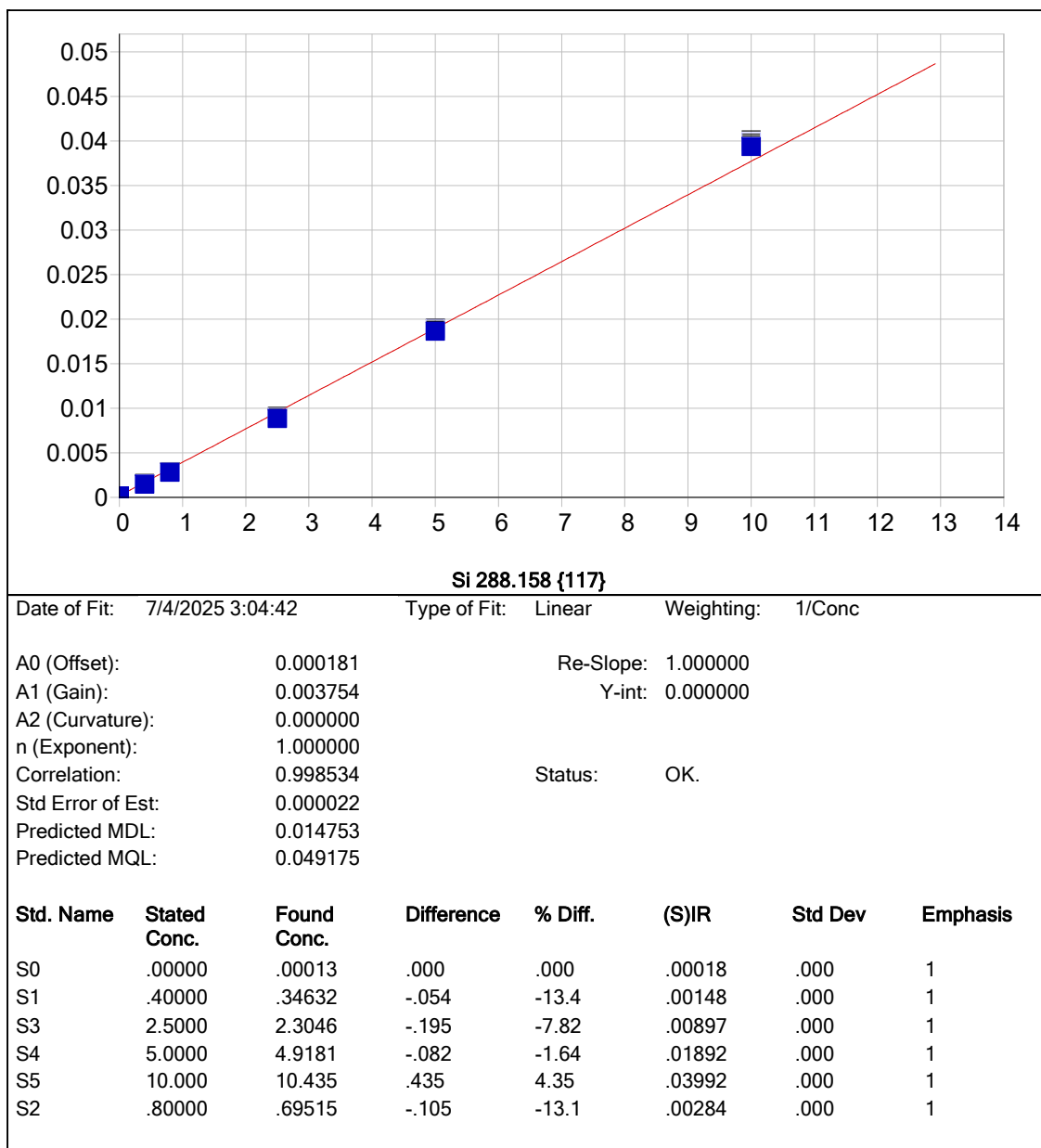


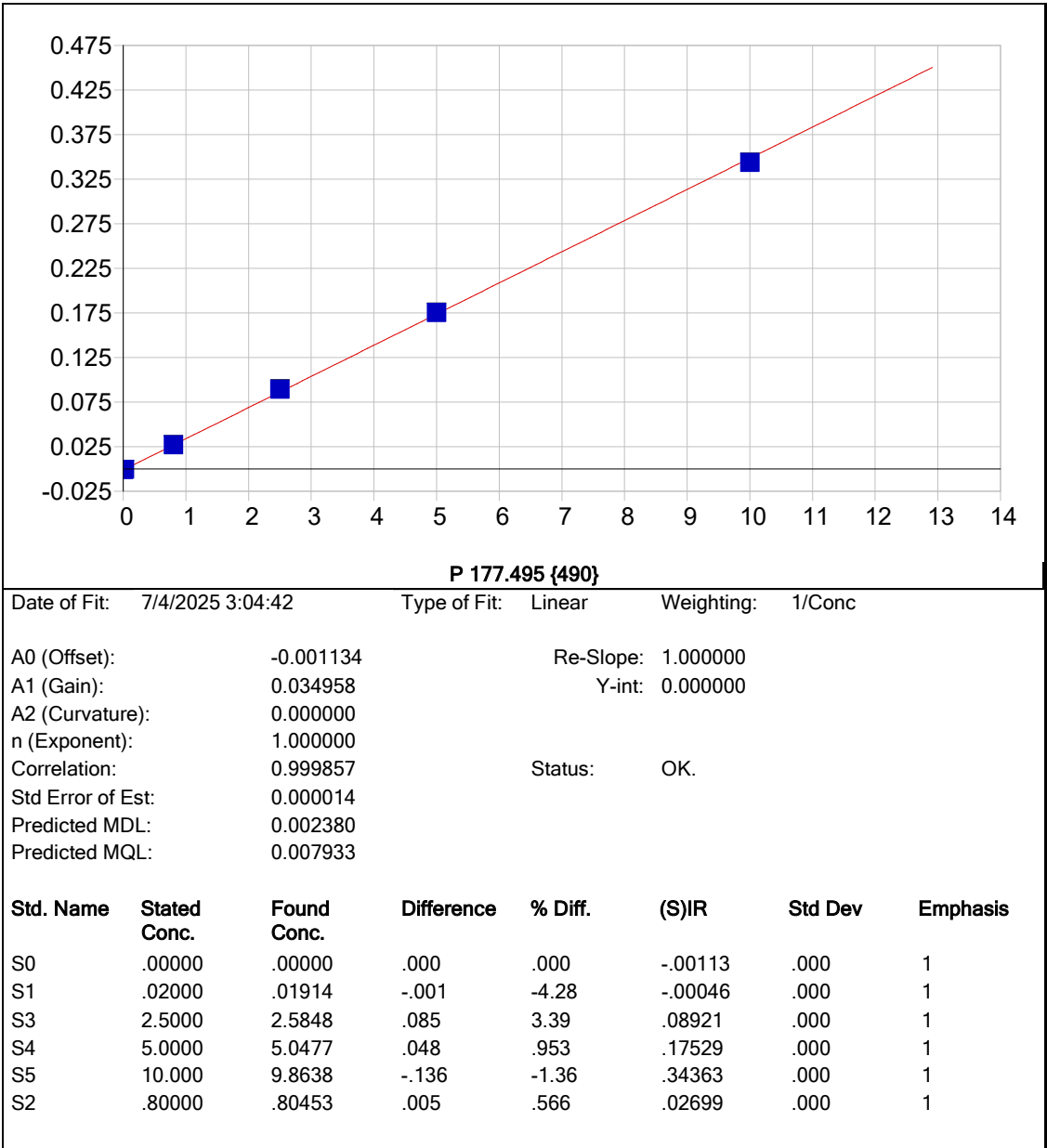


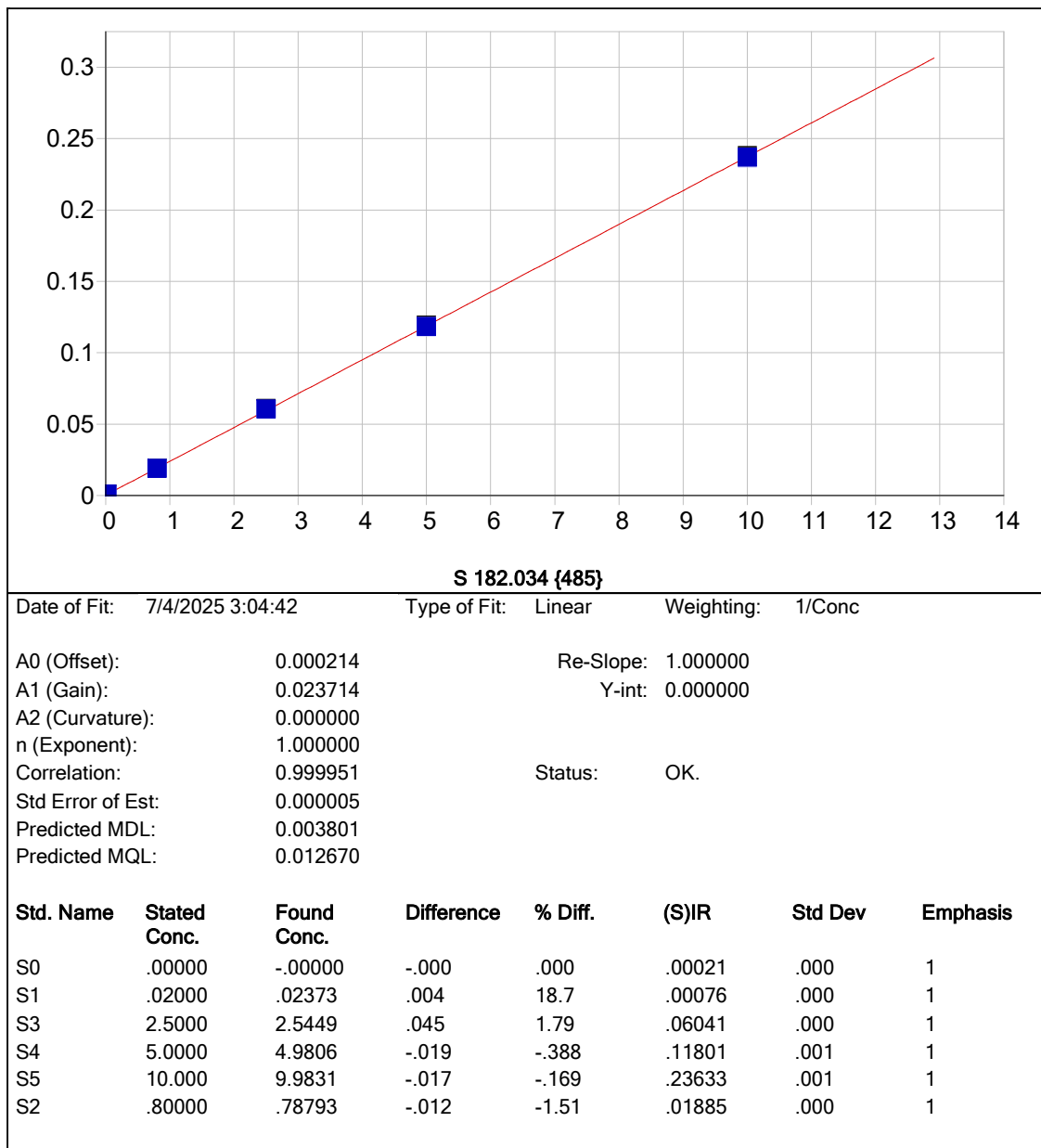


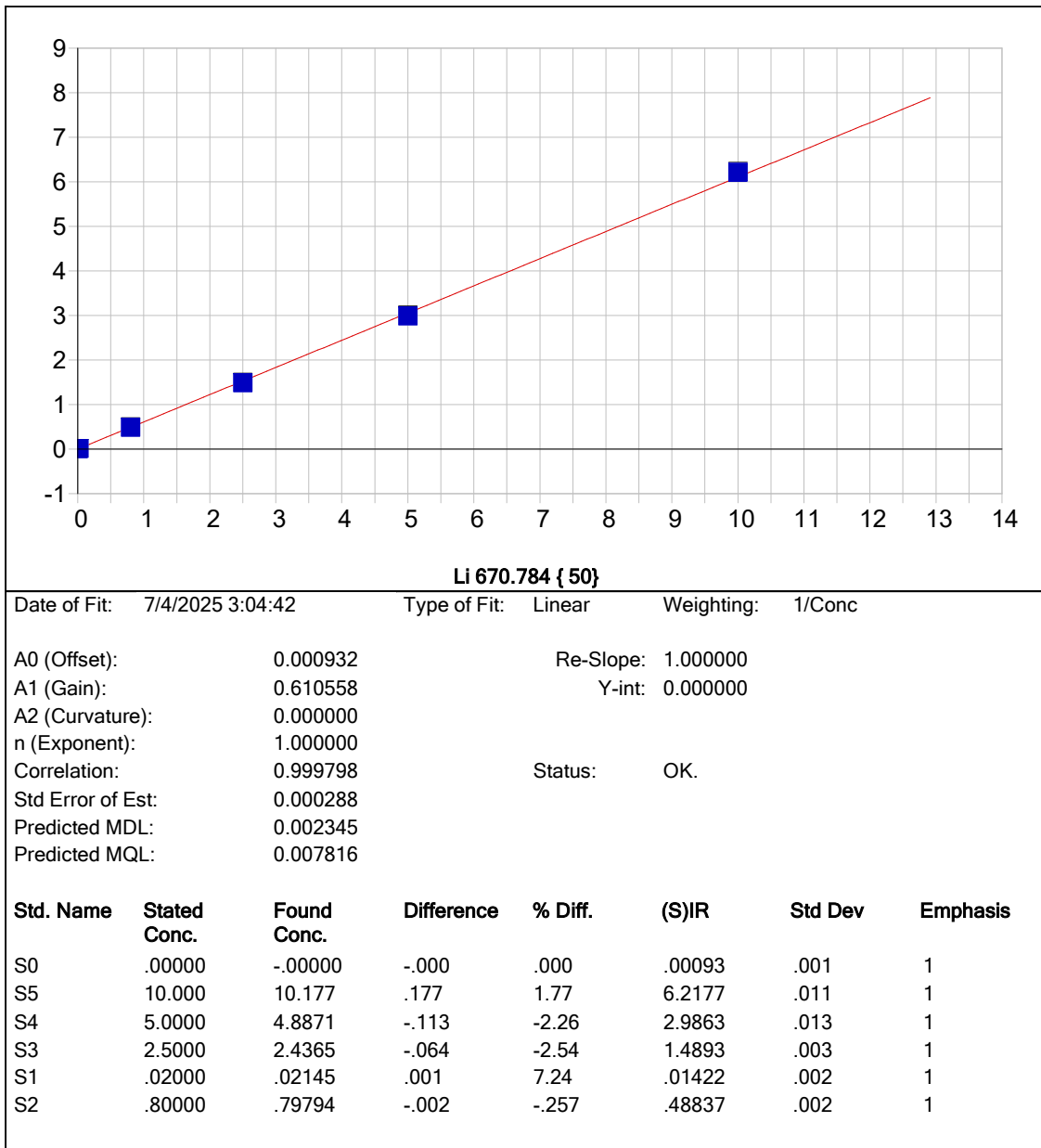


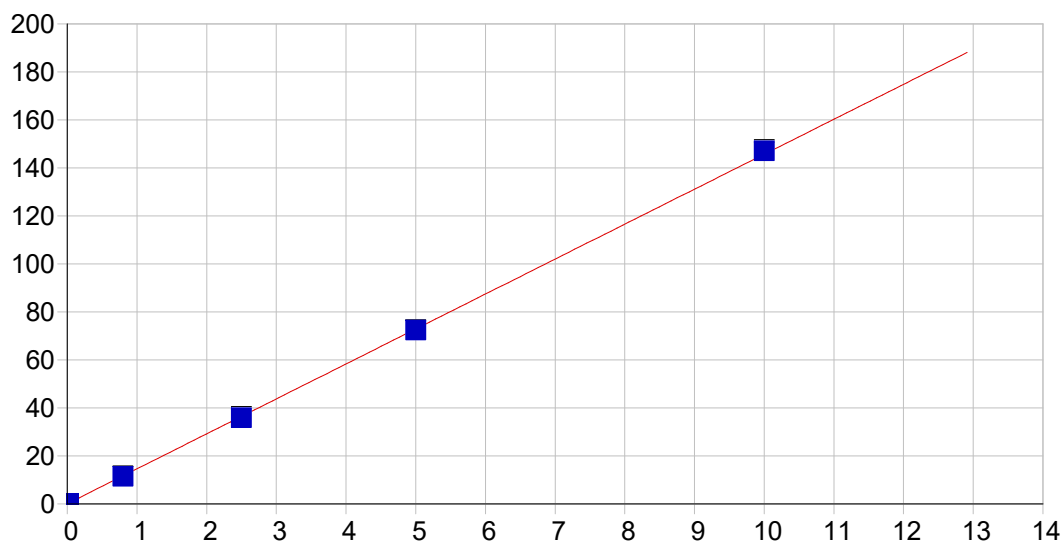










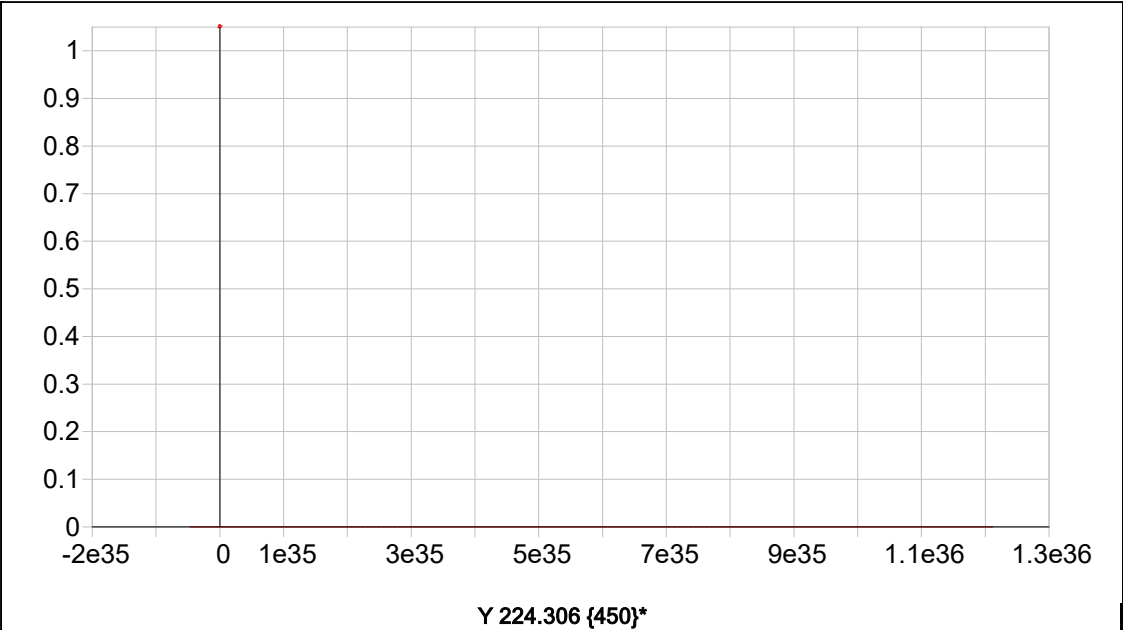


Sr 407.771 { 83}

Date of Fit: 7/4/2025 3:04:42 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.052145 Re-Slope: 1.000000
A1 (Gain): 14.563981 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999925 Status: OK.
Std Error of Est: 0.004179
Predicted MDL: 0.000073
Predicted MQL: 0.000242

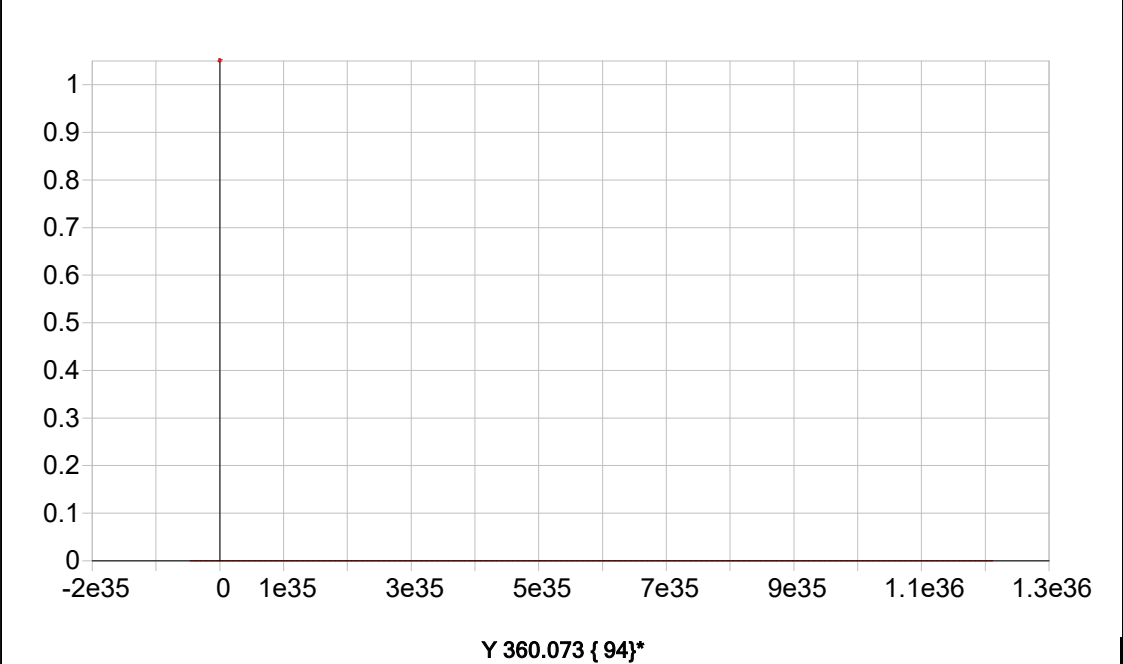
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.05221	.009	1
S1	.02000	.01581	-.004	-20.9	.28382	.001	1
S3	2.5000	2.4618	-.038	-1.53	35.941	.415	1
S4	5.0000	4.9649	-.035	-.702	72.431	.139	1
S5	10.000	10.091	.091	.907	147.15	.488	1
S2	.80000	.78682	-.013	-1.65	11.523	.038	1



Date of Fit: 7/4/2025 3:04:42 Type of Fit: Linear Weighting: 1/Conc

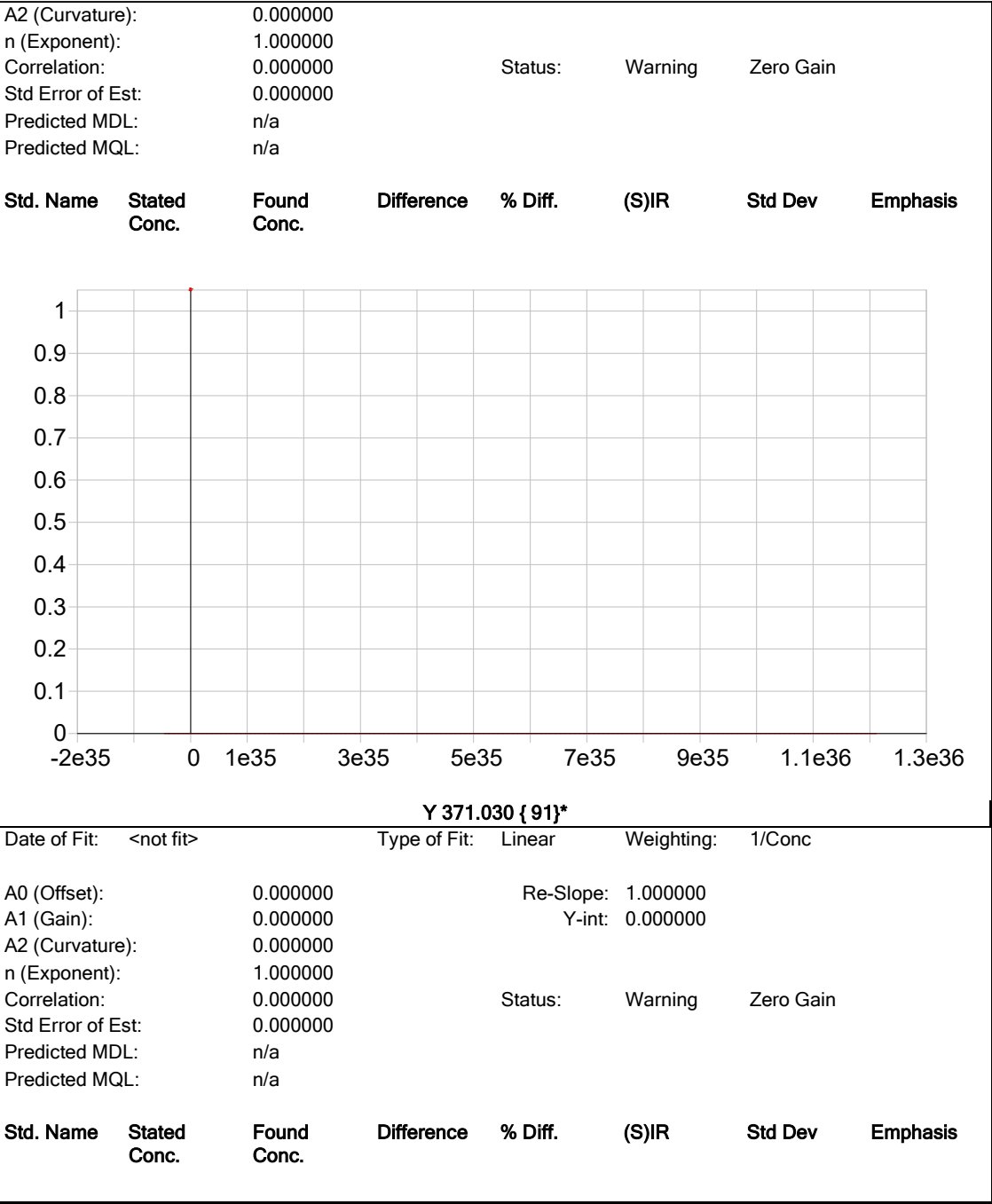
A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

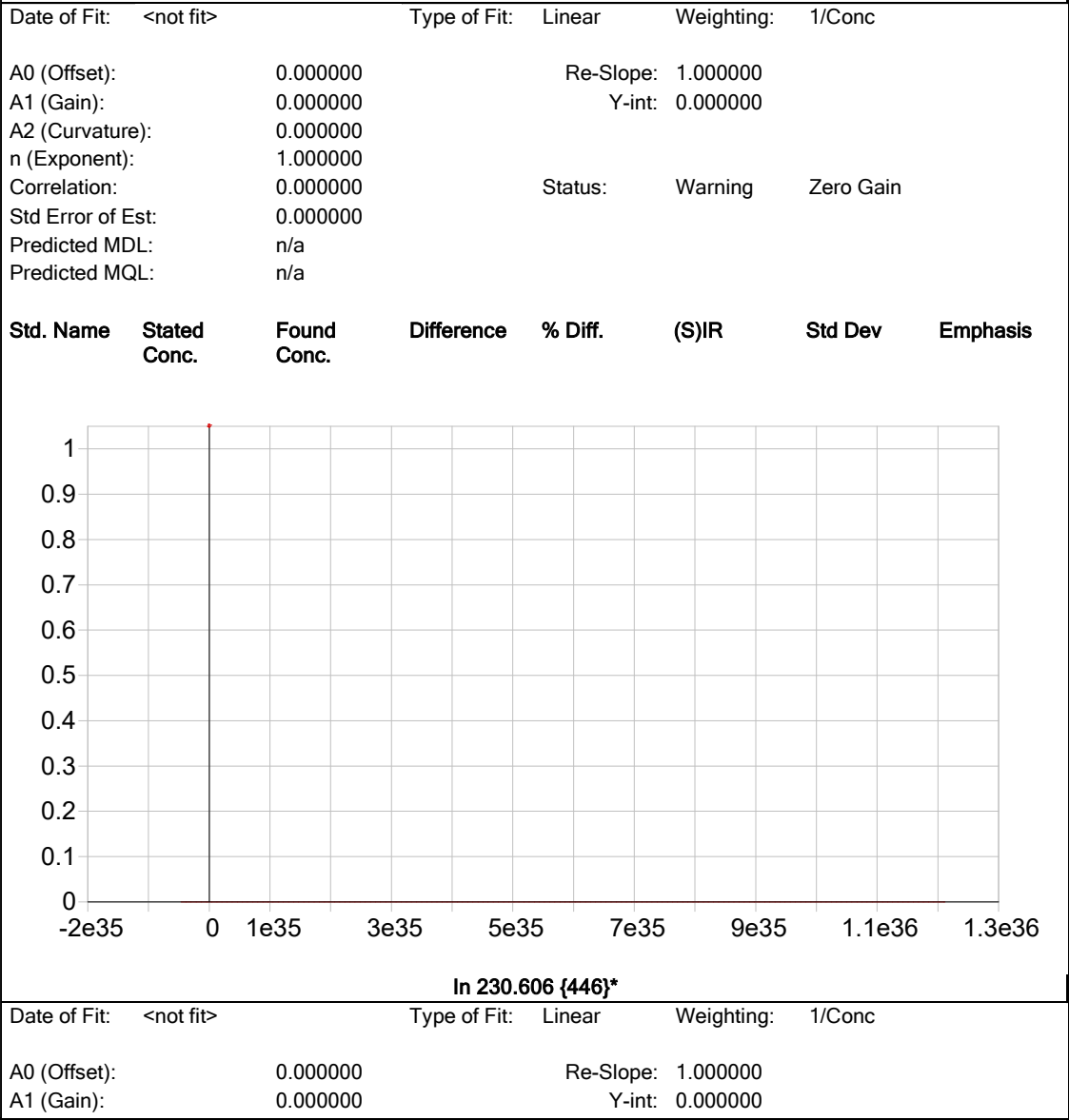
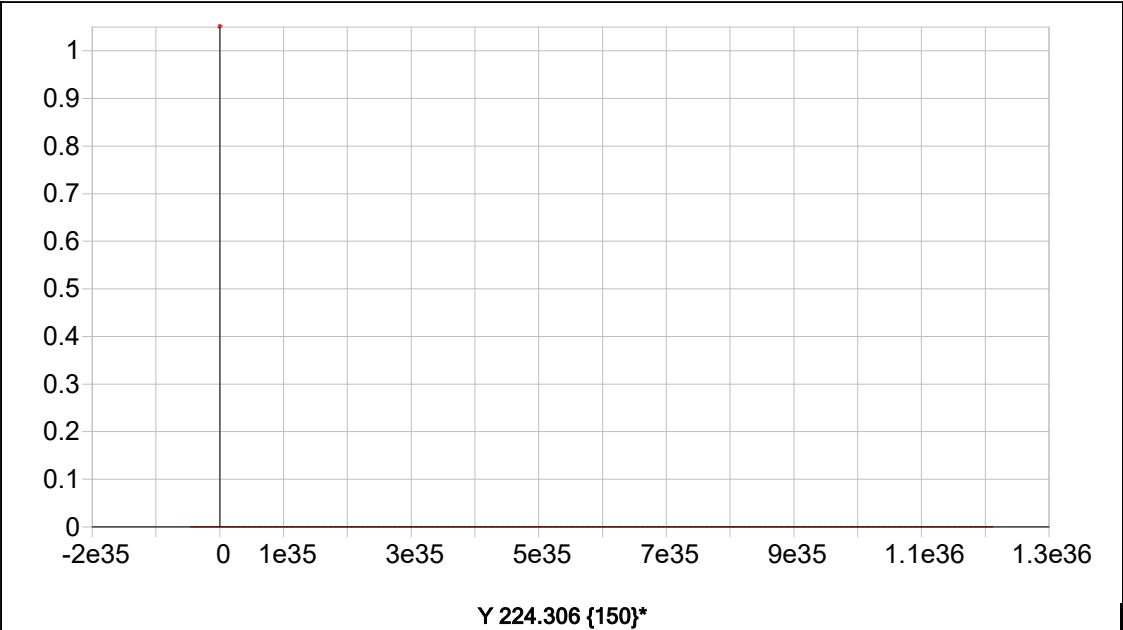
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

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





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

Sample Name: S0 Acquired: 7/3/2025 11:22:43 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00001	-.00023	.00018	.00050	.00078	.00292	.16085	.00305
Stddev	.00014	.00002	.00045	.00003	.00019	.00134	.00162	.00016
%RSD	1376.4	8.3595	246.40	6.3933	24.752	46.070	1.0042	5.3248

#1	.00015	-.00022	.00023	.00049	.00089	.00342	.16160	.00306
#2	.00001	-.00025	-.00029	.00047	.00056	.00394	.16195	.00320
#3	-.00013	-.00022	.00060	.00054	.00090	.00140	.15899	.00288

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	.00199	.00315	.00049	.00129	.00155	.00005	.00183	.00064
Stddev	.00045	.00124	.00006	.00023	.00012	.00003	.00029	.00036
%RSD	22.446	39.188	12.831	17.980	7.6533	68.567	15.931	56.164

#1	.00249	.00457	.00047	.00142	.00167	.00006	.00202	.00105
#2	.00186	.00228	.00055	.00142	.00143	.00007	.00198	.00044
#3	.00163	.00262	.00043	.00102	.00156	.00001	.00150	.00042

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	.00035	-.00005	.00117	-.00025	.00750	.00146	.00644	.00181
Stddev	.00012	.00010	.00015	.00028	.00047	.00013	.00051	.00016
%RSD	35.123	184.42	12.587	113.08	6.2278	8.6787	7.8602	9.0330

#1	.00041	-.00010	.00123	.00006	.00804	.00145	.00701	.00197
#2	.00043	-.00011	.00129	-.00033	.00728	.00133	.00604	.00181
#3	.00021	.00006	.00101	-.00048	.00719	.00158	.00628	.00164

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	.00143	.00495	.00018	-.00113	.00021	.00093	.05221
Stddev	.00013	.00054	.00002	.00000	.00002	.00120	.00926
%RSD	9.1848	10.924	11.752	.32539	10.515	129.02	17.736

#1	.00155	.00535	.00020	-.00114	.00024	.00125	.06207
#2	.00144	.00517	.00019	-.00113	.00020	.00194	.05088
#3	.00129	.00434	.00016	-.00113	.00021	-.00040	.04369

Sample Name: S0 Acquired: 7/3/2025 11:22:43 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4771.1	67488.	8216.0	4530.0	6746.2
Stddev	13.0	419.	54.3	9.2	14.0
%RSD	.27229	.62069	.66128	.20240	.20810
#1	4764.9	67922.	8234.0	4527.2	6732.2
#2	4786.0	67455.	8154.9	4540.2	6760.3
#3	4762.4	67087.	8259.0	4522.5	6746.1

Sample Name: S1 Acquired: 7/3/2025 11:27:07 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00125	.00285	.00290	.00218	.00811	.01561	.36216	.06943
Stddev	.00009	.00020	.00028	.00018	.00017	.00054	.00514	.00023
%RSD	6.9704	6.9746	9.7194	8.2673	2.1114	3.4398	1.4179	.32859

#1	.00117	.00262	.00317	.00223	.00805	.01505	.36753	.06928
#2	.00124	.00297	.00293	.00198	.00830	.01565	.35730	.06931
#3	.00135	.00296	.00261	.00233	.00797	.01613	.36164	.06969

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	.01479	.11104	.00359	.02621	.01603	.00047	.01697	.04160
Stddev	.00015	.00070	.00006	.00036	.00010	.00003	.00020	.00028
%RSD	1.0177	.62649	1.7667	1.3749	.61601	6.3977	1.2072	.68393

#1	.01493	.11028	.00355	.02606	.01614	.00043	.01683	.04133
#2	.01463	.11165	.00356	.02596	.01598	.00048	.01687	.04158
#3	.01481	.11118	.00366	.02663	.01596	.00049	.01720	.04190

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	.03274	.00308	.03341	.00530	.12302	.01256	.08326	.12186
Stddev	.00012	.00011	.00028	.00011	.00005	.00019	.00035	.00024
%RSD	.35747	3.4838	.84934	2.0039	.03709	1.5332	.42013	.19875

#1	.03283	.00298	.03324	.00535	.12305	.01251	.08286	.12169
#2	.03261	.00319	.03325	.00538	.12296	.01240	.08350	.12174
#3	.03279	.00307	.03374	.00518	.12303	.01277	.08342	.12213

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	.00707	.01950	.00148	-.00046	.00076	.01422	.28382	
Stddev	.00009	.00074	.00006	.00003	.00006	.00221	.00132	
%RSD	1.2409	3.7797	3.8954	7.3626	7.4901	15.511	.46630	

#1	.00702	.02034	.00146	-.00044	.00070	.01667	.28522	
#2	.00703	.01895	.00155	-.00044	.00081	.01362	.28260	
#3	.00717	.01922	.00144	-.00050	.00076	.01238	.28364	

Sample Name: S1 Acquired: 7/3/2025 11:27:07 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4719.2	66083.	8234.9	4441.6	6577.2
Stddev	9.5	214.	23.2	.4	13.4
%RSD	.20092	.32345	.28208	.00932	.20303
#1	4717.2	65849.	8209.6	4441.4	6576.6
#2	4729.5	66268.	8239.8	4442.1	6590.8
#3	4710.8	66132.	8255.3	4441.4	6564.1

Sample Name: S2 Acquired: 7/3/2025 11:31:28 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2265
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.05584	.06733	.20788	.06078	.12015	.21144	3.6726	.45507	1.0090
Stddev	.00017	.00027	.00077	.00031	.00058	.00019	.0262	.00111	.0039
%RSD	.30837	.40673	.37262	.51132	.48350	.08873	.71470	.24485	.38413

#1	.05568	.06745	.20759	.06110	.11962	.21123	3.7029	.45399	1.0063
#2	.05580	.06702	.20729	.06047	.12006	.21156	3.6579	.45500	1.0072
#3	.05602	.06753	.20875	.06077	.12078	.21154	3.6570	.45621	1.0134

Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.21608	.05209	.34159	.14420	.00318	.31254	.07862	.32853	.06830
Stddev	.00089	.00022	.00099	.00062	.00003	.00043	.00043	.00141	.00023
%RSD	.41182	.41905	.29116	.43209	.79286	.13839	.55212	.42875	.32961

#1	.21708	.05188	.34109	.14389	.00321	.31216	.07884	.32766	.06805
#2	.21538	.05231	.34095	.14379	.00316	.31301	.07890	.32778	.06837
#3	.21579	.05209	.34274	.14492	.00317	.31245	.07812	.33015	.06849

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.06215	.05827	1.1622	.02151	.64374	.48702	.10403	.32866	.00284
Stddev	.00041	.00027	.0032	.00011	.00337	.00199	.00036	.00204	.00003
%RSD	.66208	.46842	.27377	.50959	.52290	.40824	.34792	.62096	1.0964

#1	.06261	.05796	1.1618	.02163	.64221	.48573	.10367	.33082	.00287
#2	.06202	.05848	1.1592	.02149	.64142	.48603	.10402	.32838	.00281
#3	.06182	.05837	1.1655	.02142	.64760	.48931	.10440	.32677	.00282

Elem	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02699	.01885	.48837	11.523
Stddev	.00018	.00009	.00226	.038
%RSD	.66679	.49940	.46371	.33064

#1	.02699	.01893	.49071	11.520
#2	.02681	.01875	.48619	11.562
#3	.02716	.01886	.48819	11.486

Sample Name: S2 Acquired: 7/3/2025 11:31:28 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4764.2	68499.	8189.6	4606.9	6625.5
Stddev	13.9	212.	13.7	5.7	22.7
%RSD	.29229	.30937	.16683	.12379	.34211
#1	4772.2	68420.	8201.3	4600.9	6643.3
#2	4772.3	68339.	8174.6	4607.3	6633.3
#3	4748.1	68740.	8192.8	4612.3	6600.0

Sample Name: S3 Acquired: 7/3/2025 11:35:31 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2265
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.18039	.20715	.65879	.19424	.38079	.66420	11.442	1.4111	3.2252
Stddev	.00028	.00246	.00130	.00055	.00128	.00076	.011	.0106	.0069
%RSD	.15609	1.1899	.19721	.28469	.33520	.11478	.09773	.75205	.21275

#1	.18012	.20625	.65818	.19387	.37953	.66396	11.436	1.4074	3.2248
#2	.18039	.20526	.65791	.19397	.38076	.66505	11.435	1.4231	3.2185
#3	.18068	.20994	.66028	.19487	.38208	.66358	11.455	1.4029	3.2322

Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.67587	.15281	1.0799	.44991	.00970	.98236	.24471	1.0229	.21481
Stddev	.00113	.00049	.0018	.00128	.00006	.00427	.00072	.0017	.00046
%RSD	.16740	.31973	.16351	.28367	.61525	.43502	.29627	.17027	.21446

#1	.67484	.15336	1.0791	.44856	.00970	.98184	.24441	1.0219	.21492
#2	.67708	.15264	1.0787	.45007	.00964	.98687	.24553	1.0220	.21521
#3	.67568	.15242	1.0820	.45110	.00976	.97836	.24418	1.0249	.21431

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.19765	.18473	3.6747	.06684	1.9790	1.5161	.32854	1.0253	.00897
Stddev	.00068	.00109	.0088	.00081	.0145	.0032	.00108	.0013	.00009
%RSD	.34256	.58980	.23915	1.2152	.73128	.21379	.32760	.12269	1.0419

#1	.19823	.18349	3.6842	.06744	1.9710	1.5140	.32891	1.0238	.00898
#2	.19691	.18521	3.6669	.06591	1.9957	1.5146	.32733	1.0259	.00888
#3	.19781	.18550	3.6729	.06716	1.9703	1.5199	.32939	1.0261	.00906

Elem	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.08921	.06041	1.4893	35.941
Stddev	.00034	.00033	.0026	.415
%RSD	.38076	.53870	.17701	1.1551

#1	.08953	.06037	1.4877	35.462
#2	.08885	.06010	1.4879	36.161
#3	.08925	.06075	1.4923	36.200

Sample Name: S3 Acquired: 7/3/2025 11:35:31 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4664.0	66806.	8234.6	4498.8	6392.3
Stddev	6.3	184.	33.9	11.4	11.4
%RSD	.13552	.27551	.41156	.25402	.17889
#1	4667.6	66597.	8240.1	4493.2	6393.5
#2	4667.7	66943.	8198.3	4511.9	6403.1
#3	4656.7	66878.	8265.4	4491.2	6380.3

Sample Name: S4 Acquired: 7/3/2025 11:39:36 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2265
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.35335	.41051	1.2996	.37606	.74783	1.3354	22.762	2.8087	6.3748
Stddev	.00150	.01094	.0036	.00290	.00342	.0053	.111	.0134	.0176
%RSD	.42318	2.6646	.27966	.77096	.45730	.39976	.48954	.47854	.27573

#1	.35212	.40187	1.2987	.37416	.74571	1.3415	22.883	2.8167	6.3687
#2	.35291	.40685	1.2965	.37462	.74601	1.3316	22.663	2.7932	6.3612
#3	.35501	.42281	1.3036	.37940	.75178	1.3331	22.741	2.8162	6.3947

Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.3473	.31705	2.1463	.87260	.02057	1.9819	.49249	2.0400	.43285
Stddev	.0072	.00121	.0053	.00316	.00006	.0098	.00263	.0057	.00205
%RSD	.53134	.38167	.24550	.36238	.29827	.49232	.53420	.28050	.47284

#1	1.3553	.31669	2.1442	.87146	.02050	1.9932	.49547	2.0384	.43307
#2	1.3451	.31606	2.1425	.87016	.02063	1.9766	.49050	2.0352	.43070
#3	1.3415	.31840	2.1523	.87617	.02058	1.9760	.49149	2.0464	.43477

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.40464	.37455	7.3405	.13611	3.9427	3.0161	.64579	2.0577	.01892
Stddev	.00056	.00200	.0196	.00069	.0209	.0165	.00267	.0073	.00004
%RSD	.13870	.53318	.26750	.50362	.52989	.54738	.41374	.35452	.23746

#1	.40423	.37685	7.3463	.13538	3.9513	3.0063	.64411	2.0646	.01887
#2	.40528	.37335	7.3186	.13674	3.9189	3.0068	.64439	2.0585	.01894
#3	.40442	.37344	7.3565	.13622	3.9580	3.0351	.64887	2.0501	.01896

Elem	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.17529	.11801	2.9863	72.431
Stddev	.00039	.00094	.0127	.139
%RSD	.22110	.79997	.42600	.19253

#1	.17528	.11718	2.9964	72.579
#2	.17491	.11782	2.9904	72.302
#3	.17568	.11904	2.9720	72.410

Sample Name: S4 Acquired: 7/3/2025 11:39:36 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4657.9	63075.	7960.2	4279.2	6335.5
Stddev	18.1	124.	35.7	21.6	20.9
%RSD	.38864	.19660	.44857	.50457	.33013
#1	4658.0	63047.	7921.5	4263.4	6335.2
#2	4675.9	63211.	7991.9	4303.8	6356.5
#3	4639.7	62968.	7967.3	4270.4	6314.7

Sample Name: S5 Acquired: 7/3/2025 11:43:47 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2265
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.69536	.79739	2.5684	.73758	1.4885	2.7200	47.119	5.5482	12.519
Stddev	.00176	.01603	.0028	.00235	.0035	.0081	.198	.0202	.016
%RSD	.25369	2.0100	.10962	.31921	.23653	.29910	.41999	.36467	.12908

#1	.69386	.77902	2.5654	.73534	1.4851	2.7245	46.960	5.5463	12.504
#2	.69492	.80459	2.5689	.73736	1.4883	2.7106	47.056	5.5289	12.517
#3	.69731	.80855	2.5710	.74003	1.4921	2.7248	47.341	5.5693	12.536

Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.7267	.58865	4.2528	1.6951	.04064	3.9994	.99694	3.9729	.87207
Stddev	.0034	.00107	.0059	.0024	.00005	.0041	.00242	.0042	.00086
%RSD	.12357	.18221	.13792	.13894	.11258	.10347	.24296	.10657	.09890

#1	2.7287	.58988	4.2471	1.6925	.04066	4.0017	.99973	3.9693	.87305
#2	2.7228	.58812	4.2525	1.6958	.04059	3.9946	.99538	3.9719	.87143
#3	2.7286	.58794	4.2588	1.6970	.04068	4.0019	.99572	3.9776	.87173

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.84184	.76934	14.692	.28226	7.8441	5.9503	1.2655	4.2291	.03992
Stddev	.00147	.00161	.012	.00058	.0282	.0092	.0029	.0080	.00017
%RSD	.17484	.20973	.08134	.20406	.36007	.15401	.23285	.18976	.42004

#1	.84339	.76943	14.700	.28289	7.8535	5.9413	1.2623	4.2309	.03974
#2	.84169	.76769	14.678	.28215	7.8123	5.9499	1.2661	4.2203	.04008
#3	.84045	.77091	14.697	.28176	7.8664	5.9596	1.2681	4.2360	.03993

Elem	P_1774	S_1820	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.34363	.23633	6.2177	147.15
Stddev	.00042	.00108	.0111	.49
%RSD	.12247	.45643	.17880	.33181

#1	.34316	.23534	6.2171	147.20
#2	.34398	.23618	6.2069	146.64
#3	.34374	.23748	6.2291	147.61

Sample Name: S5 Acquired: 7/3/2025 11:43:47 Type: Cal
Method: 6010-200.7 NEW(v27) Mode: IR Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4710.2	62927.	8068.2	4186.3	6351.8
Stddev	7.2	98.	24.8	3.7	10.1
%RSD	.15191	.15618	.30740	.08725	.15962
#1	4717.9	62813.	8052.6	4184.2	6362.2
#2	4703.9	62978.	8096.8	4190.5	6342.0
#3	4708.6	62989.	8055.3	4184.2	6351.3

Sample Name: ICV01 Acquired: 7/3/2025 12:13:17 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.037895	3.872281	3.949543	4.092623	4.153134	7.677376
Stddev	.008048	.039865	.004179	.001145	.008757	.010753
%RSD	.1993151	1.029502	.1058152	.0279840	.2108558	.1400621

#1	4.037069	3.851505	3.954368	4.093924	4.147306	7.666826
#2	4.046325	3.847096	3.947179	4.092174	4.163204	7.688322
#3	4.030292	3.918243	3.947081	4.091770	4.148891	7.676979

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.551156	.1886405	2.019782	18.96906	.7768397	1.999039
Stddev	.103620	.0013135	.001577	.05464	.0016826	.002540
%RSD	1.372234	.6963202	.0780649	.2880730	.2165991	.1270469

#1	7.536056	.1879338	2.021596	18.90955	.7770253	2.001376
#2	7.661497	.1901561	2.019002	19.01697	.7750720	1.999405
#3	7.455915	.1878316	2.018747	18.98067	.7784218	1.996337

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.011887	3.738391	1.924189	19.04469	1.989219	.9569260
Stddev	.001041	.045630	.008950	.06351	.001552	.0038754
%RSD	.1029204	1.220581	.4651227	.3335043	.0780246	.4049883

#1	1.011940	3.735270	1.914977	18.99420	1.990022	.9574210
#2	1.012901	3.694401	1.932851	19.11600	1.990205	.9528268
#3	1.010820	3.785501	1.924740	19.02387	1.987430	.9605301

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.04335	1.919092	1.914499	18.77692	F .0015961	F -.002757
Stddev	.11290	.008834	.005722	.11584	.0004409	.000121
%RSD	.5928659	.4603071	.2988637	.6169391	27.62573	4.404731

#1	19.04605	1.909164	1.919752	18.77436	.0021025	-.002647
#2	18.92913	1.922025	1.908402	18.66238	.0012967	-.002738
#3	19.15488	1.926086	1.915343	18.89402	.0013891	-.002887

Sample Name: ICV01 Acquired: 7/3/2025 12:13:17 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.000476	F -.004858	F -.071288	F -.002127	F .0109169	F .0003483
Stddev	.000304	.000696	.007910	.002033	.0003709	.0009520
%RSD	63.75713	14.33706	11.09537	95.57159	3.397923	273.3161

#1	-.000315	-.004636	-.065999	-.003587	.0106841	.0011229
#2	-.000287	-.005638	-.067485	.000195	.0113446	-.000715
#3	-.000826	-.004300	-.080381	-.002988	.0107219	.000637

Elem	Sr4077
Units	ppm
Avg	F -.006953
Stddev	.000030
%RSD	.4361841

#1	-.006962
#2	-.006919
#3	-.006977

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4676.250	66717.51	8521.557	4487.403	6390.062
Stddev	10.667	115.35	54.265	8.553	14.110
%RSD	.2281164	.1728965	.6367943	.1906030	.2208114

#1	4667.250	66691.16	8545.911	4484.253	6377.164
#2	4673.467	66843.76	8459.382	4497.085	6387.890
#3	4688.033	66617.61	8559.379	4480.872	6405.132

Sample Name: LLICV01 Acquired: 7/3/2025 12:17:27 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0198869	.0408731	.0104476	.0225564	.0517308	.0962795
Stddev	.0003781	.0011606	.0007865	.0010425	.0016035	.0063943
%RSD	1.901393	2.839483	7.528320	4.621622	3.099787	6.641438

#1	.0199153	.0406620	.0097076	.0217705	.0530315	.1027769
#2	.0202501	.0421248	.0112735	.0237390	.0522216	.0960682
#3	.0194954	.0398326	.0103616	.0221598	.0499392	.0899934

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0814505	.0058346	.0054344	1.944865	.0104811	.0291190
Stddev	.0010412	.0000149	.0001407	.016150	.0003279	.0002232
%RSD	1.278349	.2549606	2.588661	.8303833	3.128102	.7666250

#1	.0803127	.0058332	.0055960	1.932165	.0108585	.0292027
#2	.0816828	.0058501	.0053394	1.963041	.0103180	.0292883
#3	.0823559	.0058204	.0053678	1.939389	.0102668	.0288660

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206979	.1055215	.0206814	2.011659	.0399465	.0099049
Stddev	.0003159	.0067390	.0001862	.003740	.0001056	.0004317
%RSD	1.526318	6.386375	.9002072	.1859336	.2643951	4.358287

#1	.0205838	.0988120	.0208915	2.011894	.0399116	.0096352
#2	.0210550	.1122896	.0206158	2.015276	.0400651	.0096767
#3	.0204549	.1054629	.0205370	2.007806	.0398627	.0104028

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.961082	.0382909	.0405945	1.870993	.0904630	.2007861
Stddev	.007386	.0004872	.0004896	.021698	.0003890	.0012202
%RSD	.3766185	1.272472	1.206033	1.159709	.4300426	.6077135

#1	1.969571	.0378809	.0411037	1.862585	.0901557	.2006362
#2	1.956129	.0381623	.0405524	1.895636	.0909004	.2020743
#3	1.957545	.0388295	.0401273	1.854756	.0903328	.1996478

Sample Name: LLICV01 Acquired: 7/3/2025 12:17:27 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0424431	.0339704	.3464661	F .0158859	.0212225	.0170121
Stddev	.0005908	.0009064	.0070918	.0004269	.0039574	.0010049
%RSD	1.392053	2.668109	2.046889	2.687139	18.64741	5.907100

#1	.0418576	.0339712	.3400687	.0154170	.0252951	.0161114
#2	.0430391	.0348764	.3540918	.0162520	.0209810	.0180961
#3	.0424327	.0330637	.3452376	.0159886	.0173913	.0168289

Elem	Sr4077
Units	ppm
Avg	.0165866
Stddev	.0000184
%RSD	.1107260

#1	.0166077
#2	.0165777
#3	.0165744

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4779.167	66386.45	8500.823	4502.403	6686.802
Stddev	12.115	94.66	15.764	7.944	18.895
%RSD	.2534893	.1425861	.1854386	.1764285	.2825647

#1	4774.382	66283.74	8500.375	4503.047	6672.089
#2	4770.175	66405.41	8485.288	4494.157	6680.207
#3	4792.943	66470.18	8516.806	4510.005	6708.110

Sample Name: ICB01 Acquired: 7/3/2025 12:21:41 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001315	-.000248	-.002549	.0018009	-.000712	.0061822	-.015109
Stddev	.001035	.001310	.000478	.0013320	.000787	.0068304	.001056
%RSD	78.71851	527.6956	18.73478	73.96318	110.6086	110.4843	6.991844

#1	-.000686	-.001761	-.002935	.0031595	.000002	.0129288	-.015905
#2	-.002509	.000503	-.002697	.0017462	-.001556	.0063468	-.015510
#3	-.000749	.000513	-.002015	.0004971	-.000582	-.000729	-.013910

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000146	-.000921	-.005200	-.000602	-.001002	-.000362	-.005638
Stddev	.000086	.000041	.007507	.000228	.000064	.000538	.007660
%RSD	58.58069	4.487203	144.3611	37.85116	6.414255	148.7999	135.8728

#1	-.000058	-.000884	-.009763	-.000587	-.001028	-.000043	-.007267
#2	-.000152	-.000965	.003464	-.000836	-.001049	-.000059	.002706
#3	-.000229	-.000913	-.009301	-.000381	-.000928	-.000984	-.012352

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000482	-.028534	-.000893	-.000669	-.039664	-.002191	-.000627
Stddev	.000138	.011407	.000190	.000290	.002857	.002058	.000045
%RSD	28.60236	39.97826	21.22721	43.33245	7.202636	93.92293	7.142584

#1	-.000334	-.015707	-.000857	-.000802	-.042949	-.001417	-.000676
#2	-.000505	-.032355	-.000724	-.000337	-.038278	-.000633	-.000588
#3	-.000607	-.037540	-.001098	-.000869	-.037764	-.004524	-.000617

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.132503	-.004645	-.002698	-.002244	-.003446	-.013636	.0012689
Stddev	.027647	.000504	.000299	.000065	.001264	.004432	.0011342
%RSD	20.86526	10.84539	11.07043	2.916424	36.68630	32.49949	89.38881

#1	-.127949	-.004493	-.002411	-.002251	-.004589	-.018738	.0012038
#2	-.162144	-.004235	-.003008	-.002306	-.002088	-.011424	.0024342
#3	-.107415	-.005208	-.002676	-.002176	-.003662	-.010746	.0001686

Sample Name: ICB01 Acquired: 7/3/2025 12:21:41 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001216	-.004791	-.003531
Stddev	.002580	.000311	.000036
%RSD	212.2564	6.483647	1.010193

#1	.000693	-.004696	-.003502
#2	-.000188	-.005138	-.003571
#3	-.004151	-.004539	-.003520

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4772.323	67309.38	8560.888	4563.003	6738.330
Stddev	11.626	266.26	19.660	8.464	14.867
%RSD	.2436123	.3955798	.2296533	.1855011	.2206313

#1	4785.496	67429.32	8579.437	4553.719	6755.463
#2	4767.978	67494.57	8562.949	4570.292	6730.693
#3	4763.496	67004.24	8540.278	4564.997	6728.833

Sample Name: CRI01 Acquired: 7/3/2025 12:26:01 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0224061	.0432073	.0127551	.0235941	.0535942	.0923599	.0800357
Stddev	.0006721	.0005720	.0004400	.0012566	.0014130	.0023371	.0012510
%RSD	2.999670	1.323771	3.449657	5.325945	2.636530	2.530420	1.563067

#1	.0226058	.0435286	.0127501	.0236101	.0526169	.0913882	.0808435
#2	.0229558	.0425469	.0123176	.0248426	.0552144	.0906654	.0785946
#3	.0216568	.0435464	.0131976	.0223296	.0529514	.0950261	.0806689

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057992	.0062619	1.953829	.0106308	.0296549	.0210381	.1084946
Stddev	.0000192	.0001361	.007068	.0003297	.0003803	.0003122	.0020857
%RSD	.3306482	2.173560	.3617460	3.101730	1.282354	1.483897	1.922447

#1	.0058209	.0062787	1.945850	.0109935	.0294210	.0206920	.1105607
#2	.0057920	.0061182	1.959304	.0105499	.0294500	.0212985	.1063897
#3	.0057847	.0063888	1.956332	.0103491	.0300937	.0211237	.1085334

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0204311	2.015403	.0405298	.0104707	2.013790	.0387652	.0448792
Stddev	.0001562	.007590	.0000281	.0000959	.007453	.0003802	.0002083
%RSD	.7647105	.3765838	.0693361	.9156656	.3700854	.9808234	.4640392

#1	.0203539	2.018088	.0405562	.0105651	2.010111	.0383632	.0448344
#2	.0206109	2.021284	.0405002	.0103734	2.008893	.0391190	.0446970
#3	.0203284	2.006835	.0405329	.0104735	2.022367	.0388135	.0451062

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.880996	.0890233	.2006606	.0423112	.0352234	.3538949	.0172226
Stddev	.048917	.0003846	.0002030	.0000507	.0014573	.0125729	.0022482
%RSD	2.600608	.4319949	.1011785	.1197852	4.137172	3.552731	13.05411

#1	1.923396	.0887147	.2004319	.0422999	.0361548	.3441719	.0158033
#2	1.827476	.0894541	.2008195	.0423666	.0359714	.3680932	.0198147
#3	1.892116	.0889010	.2007304	.0422671	.0335440	.3494196	.0160497

Sample Name: CRI01 Acquired: 7/3/2025 12:26:01 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0212889	.0183602	.0164082
Stddev	.0004626	.0012242	.0000365
%RSD	2.172931	6.667841	.2223712

#1	.0213125	.0187180	.0163671
#2	.0208149	.0169969	.0164368
#3	.0217392	.0193656	.0164205

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4840.241	65081.30	8591.371	4430.663	6818.060
Stddev	1.346	95.74	53.247	14.577	3.789
%RSD	.0278185	.1471016	.6197728	.3290045	.0555698

#1	4839.917	64990.66	8549.446	4438.105	6813.688
#2	4839.086	65181.42	8573.384	4413.867	6820.362
#3	4841.719	65071.81	8651.282	4440.017	6820.132

Sample Name: ICSA01 Acquired: 7/3/2025 12:30:29 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001819	.0007175	-.008042	.0083202	.0008451	236.8062
Stddev	.000995	.0013610	.001411	.0024731	.0007085	.3978
%RSD	54.70059	189.6887	17.54375	29.72354	83.83713	.1679827

#1	-.001221	.0022779	-.009471	.0072325	.0004452	237.1578
#2	-.002967	.0000985	-.008007	.0065775	.0004269	236.8864
#3	-.001268	-.000224	-.006650	.0111507	.0016631	236.3745

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.023398	.0005516	-.001025	225.3193	.0572263	-.000268
Stddev	.000751	.0000540	.000173	.2565	.0001410	.000350
%RSD	3.208722	9.788541	16.85356	.1138408	.2463286	130.6471

#1	-.023898	.0005656	-.001139	225.4888	.0571550	.000040
#2	-.022534	.0005973	-.001110	225.4449	.0571352	-.000195
#3	-.023761	.0004921	-.000826	225.0242	.0573887	-.000649

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0171042	97.00322	.0045743	236.2458	.0113667	-.008713
Stddev	.0003574	.15875	.0002908	.2843	.0001562	.000231
%RSD	2.089736	.1636538	6.356889	.1203269	1.373878	2.647854

#1	.0174054	97.17801	.0042747	236.3034	.0113091	-.008775
#2	.0171980	96.96367	.0045928	236.4969	.0112475	-.008458
#3	.0167093	96.86799	.0048554	235.9372	.0115435	-.008906

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0552151	.0002608	.0011832	-.036569	F .1939297	-.000356
Stddev	.0050173	.0018247	.0002511	.055409	.0011018	.000530
%RSD	9.086875	699.6259	21.21792	151.5158	.5681642	148.9406

#1	.0545330	.0022151	.0013106	-.047300	.1926592	-.000969
#2	.0605386	-.000035	.0008940	-.085828	.1946229	-.000049
#3	.0505737	-.001398	.0013450	.023419	.1945071	-.000051

Sample Name: ICSA01 Acquired: 7/3/2025 12:30:29 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001176	-.005897	-.002262	.0065185	-.008742	.0106386
Stddev	.000549	.000069	.006471	.0019792	.005623	.0023937
%RSD	46.68655	1.168092	286.0322	30.36258	64.32610	22.49994

#1	-.000889	-.005818	-.001434	.0085996	-.004235	.0129529
#2	-.000830	-.005931	.003755	.0046601	-.015043	.0081728
#3	-.001808	-.005942	-.009107	.0062958	-.006947	.0107900

Elem	Sr4077
Units	ppm
Avg	.0008400
Stddev	.0000407
%RSD	4.840773

#1	.0008158
#2	.0008173
#3	.0008869

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4342.166	59843.41	8403.515	4063.165	5735.111
Stddev	6.530	162.75	19.970	6.552	11.553
%RSD	.1503744	.2719613	.2376359	.1612572	.2014389

#1	4337.049	59709.94	8385.853	4055.863	5737.309
#2	4349.520	59795.58	8399.506	4068.531	5745.406
#3	4339.929	60024.72	8425.185	4065.101	5722.617

Sample Name: ICSAB01 Acquired: 7/3/2025 12:42:42 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1016032	.0947077	.0403181	.0585786	.6104212	243.1940
Stddev	.0014993	.0031802	.0026149	.0034411	.0005373	.2056
%RSD	1.475640	3.357926	6.485609	5.874306	.0880285	.0845266

#1	.1030560	.0941015	.0386575	.0602723	.6100643	243.1046
#2	.1000614	.0918743	.0433323	.0546189	.6110392	243.4291
#3	.1016922	.0981474	.0389645	.0608446	.6101602	243.0483

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4394067	.4596162	.9742925	232.0537	.5583634	.4954627
Stddev	.0005287	.0018325	.0028842	.4829	.0022627	.0015680
%RSD	.1203241	.3986989	.2960331	.2080945	.4052370	.3164736

#1	.4387964	.4584235	.9754949	231.5052	.5557650	.4963888
#2	.4396963	.4586989	.9710016	232.4151	.5594261	.4936523
#3	.4397273	.4617262	.9763810	232.2406	.5598991	.4963471

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4900678	103.7658	.4795624	242.5812	.9938830	.2286672
Stddev	.0014261	.5176	.0006312	.2545	.0016300	.0007169
%RSD	.2909929	.4987811	.1316296	.1049273	.1640020	.3135053

#1	.4890616	103.3371	.4788418	242.3071	.9929379	.2286524
#2	.4894420	104.3408	.4798277	242.6265	.9929459	.2293914
#3	.4916997	103.6196	.4800177	242.8101	.9957651	.2279578

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0609767	.4628269	1.040202	-.042741	1.097783	1.020361
Stddev	.0098149	.0003249	.002842	.027688	.001191	.004185
%RSD	16.09606	.0701917	.2732488	64.78096	.1084757	.4101417

#1	.0664569	.4629750	1.037015	-.022945	1.096707	1.016921
#2	.0668278	.4624544	1.042475	-.030897	1.097580	1.019142
#3	.0496455	.4630514	1.041116	-.074381	1.099063	1.025020

Sample Name: ICSAB01 Acquired: 7/3/2025 12:42:42 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.004693	.9478936	1.023364	F .0001196	F -.011390	F .0093168
Stddev	.004915	.0012619	.014716	.0023219	.001921	.0018721
%RSD	.4891912	.1331290	1.438033	1941.636	16.86997	20.09402

#1	1.004362	.9479812	1.026923	.0027927	-.009675	.0112080
#2	.999951	.9465901	1.035974	-.001038	-.013466	.0092781
#3	1.009764	.9491094	1.007194	-.001396	-.011028	.0074643

Elem	Sr4077
Units	ppm
Avg	F -.003264
Stddev	.000754
%RSD	23.08371

#1	-.002517
#2	-.004024
#3	-.003253

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4367.502	57530.77	8455.767	3938.165	5776.990
Stddev	3.082	238.92	35.655	7.723	6.204
%RSD	.0705558	.4152841	.4216701	.1961084	.1073922

#1	4369.473	57804.17	8490.603	3946.164	5775.696
#2	4369.082	57362.13	8457.352	3930.751	5783.738
#3	4363.951	57426.00	8419.345	3937.582	5771.534

Sample Name: CCV01 Acquired: 7/3/2025 13:23:36 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.103582	4.861743	4.973658	5.179828	5.110784	9.793317	9.596699
Stddev	.019709	.064534	.015490	.015171	.015570	.056993	.063873
%RSD	.3861811	1.327381	.3114312	.2928815	.3046505	.5819604	.6655757

#1	5.096662	4.917728	4.965399	5.178522	5.099827	9.815280	9.669862
#2	5.088266	4.791161	4.964048	5.165353	5.103919	9.728610	9.552039
#3	5.125818	4.876341	4.991527	5.195610	5.128607	9.836061	9.568198

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2359413	2.516009	24.48298	1.008953	2.504144	1.267401	5.068179
Stddev	.0014776	.009752	.09607	.002331	.008729	.003096	.044750
%RSD	.6262391	.3876011	.3923838	.2310681	.3485985	.2442687	.8829506

#1	.2373631	2.513815	24.53346	1.011543	2.501919	1.265654	5.058065
#2	.2360470	2.507541	24.37219	1.007022	2.496743	1.265573	5.029351
#3	.2344137	2.526671	24.54328	1.008295	2.513771	1.270975	5.117119

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.461635	24.15399	2.539943	1.211576	24.90570	2.437388	2.454448
Stddev	.015839	.07771	.010167	.001914	.18127	.016821	.009631
%RSD	.6434460	.3217100	.4002813	.1579700	.7278114	.6901378	.3924087

#1	2.478037	24.23357	2.536199	1.212784	24.85963	2.436938	2.458494
#2	2.446426	24.07831	2.532180	1.212575	24.75191	2.420796	2.461397
#3	2.460441	24.15010	2.551451	1.209369	25.10556	2.454429	2.443454

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.57184	4.670623	5.030584	5.035907	4.876049	4.843570	5.085449
Stddev	.18628	.039790	.014588	.022796	.019011	.056060	.026698
%RSD	.7581088	.8519301	.2899909	.4526722	.3898815	1.157419	.5249789

#1	24.48995	4.705793	5.025226	5.030298	4.890059	4.814400	5.100920
#2	24.44054	4.678643	5.019433	5.016439	4.854409	4.808110	5.054622
#3	24.78504	4.627434	5.047094	5.060984	4.883680	4.908201	5.100806

Sample Name: CCV01 Acquired: 7/3/2025 13:23:36 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.094344	4.876327	4.971687
Stddev	.024694	.024387	.042545
%RSD	.4847294	.5001202	.8557418

#1	5.104150	4.876643	4.966087
#2	5.066253	4.851782	5.016755
#3	5.112628	4.900554	4.932220

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4472.476	64269.30	8306.473	4294.815	6044.824
Stddev	13.050	76.07	52.146	11.467	19.383
%RSD	.2917865	.1183583	.6277697	.2669945	.3206490

#1	4480.879	64208.84	8252.595	4284.890	6052.478
#2	4479.108	64354.71	8310.130	4292.187	6059.210
#3	4457.442	64244.36	8356.693	4307.368	6022.783

Sample Name: CCB01 Acquired: 7/3/2025 13:27:47 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001492	-.001342	-.001946	.0015816	-.000725	-.005931	-.016842
Stddev	.000328	.000398	.000482	.0009489	.001542	.006969	.001083
%RSD	22.01976	29.69042	24.75966	59.99671	212.6005	117.5111	6.431728

#1	-.001572	-.000890	-.002169	.0006723	.000762	-.001956	-.015593
#2	-.001130	-.001644	-.002275	.0015069	-.002316	-.001859	-.017408
#3	-.001772	-.001491	-.001393	.0025657	-.000621	-.013978	-.017526

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000129	-.001005	.0066929	-.000278	-.000822	-.000624	-.007977
Stddev	.000032	.000043	.0082810	.000122	.000111	.000240	.005894
%RSD	24.70008	4.296131	123.7281	43.77810	13.54130	38.39181	73.88458

#1	-.000119	-.001023	.0162400	-.000369	-.000742	-.000855	-.014669
#2	-.000165	-.000955	.0014561	-.000140	-.000775	-.000640	-.003555
#3	-.000104	-.001036	.0023826	-.000326	-.000949	-.000377	-.005708

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001316	-.036341	-.001004	-.000425	-.026240	.0002009	-.000532
Stddev	.000403	.018499	.000209	.000080	.005650	.0021863	.000137
%RSD	30.61176	50.90502	20.86936	18.83261	21.53344	1088.299	25.78687

#1	-.001246	-.031333	-.001117	-.000367	-.032237	-.002209	-.000560
#2	-.000952	-.020861	-.000762	-.000393	-.025468	.000754	-.000383
#3	-.001749	-.056828	-.001132	-.000517	-.021016	.002058	-.000653

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.162639	.0006132	-.002026	.0022571	-.002567	-.010798	-.001237
Stddev	.038743	.0001074	.000170	.0007392	.000748	.011680	.000703
%RSD	23.82135	17.52226	8.380012	32.75105	29.15652	108.1698	56.87741

#1	-.162185	.0005013	-.001838	.0026951	-.001715	-.013344	-.001307
#2	-.124126	.0007156	-.002168	.0026725	-.002864	-.020995	-.000501
#3	-.201608	.0006226	-.002073	.0014036	-.003121	.001945	-.001903

Sample Name: CCB01 Acquired: 7/3/2025 13:27:47 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000023	-.003391	-.003406
Stddev	.001427	.002244	.000079
%RSD	6081.248	66.17128	2.320836

#1	-.001394	-.002144	-.003482
#2	-.000130	-.005982	-.003413
#3	.001454	-.002048	-.003324

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4670.396	65702.59	8524.784	4423.785	6572.137
Stddev	11.195	199.92	27.011	15.585	8.749
%RSD	.2397065	.3042796	.3168548	.3523090	.1331184

#1	4657.777	65473.50	8516.958	4406.162	6568.080
#2	4674.280	65841.74	8554.843	4435.756	6566.153
#3	4679.133	65792.54	8502.549	4429.437	6582.178

Sample Name: Q2464-01 Acquired: 7/3/2025 13:32:05 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0547597	-.023667	.3581759	.0103635	.0005162	134.9006	.7554122
Stddev	.0004887	.002321	.0015798	.0027279	.0005593	.1117	.0032481
%RSD	.8923856	9.805642	.4410638	26.32210	108.3470	.0828119	.4299737

#1	.0549400	-.024800	.3575825	.0090857	-.000091	134.7826	.7520223
#2	.0551326	-.020998	.3569788	.0085090	.000629	134.9145	.7584969
#3	.0542065	-.025204	.3599665	.0134957	.001010	135.0048	.7557173

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069485	.0065985	38.51504	.1861424	.1286101	.2848650	235.1337
Stddev	.0001007	.0000496	.09409	.0001074	.0006364	.0019327	.4159
%RSD	1.448896	.7511371	.2442896	.0577019	.4947937	.6784611	.1768715

#1	.0069680	.0065952	38.40851	.1862662	.1284188	.2866224	235.6030
#2	.0070380	.0065506	38.58676	.1860860	.1280914	.2827951	234.9876
#3	.0068395	.0066496	38.54985	.1860749	.1293202	.2851776	234.8107

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.779861	46.47107	.2271618	-.019711	8.690791	.3752282	.5359496
Stddev	.016562	.13346	.0009412	.000581	.022604	.0018796	.0012917
%RSD	.3465002	.2871860	.4143376	2.946302	.2600895	.5009280	.2410164

#1	4.775150	46.42620	.2271962	-.020001	8.716822	.3739524	.5369320
#2	4.766164	46.36582	.2262038	-.019043	8.679425	.3773867	.5344864
#3	4.798268	46.62117	.2280853	-.020090	8.676127	.3743455	.5364304

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.20003	.5201630	.0031957	.0155947	4.578908	4.588598	11.50657
Stddev	.01210	.0018117	.0001203	.0008366	.009769	.014176	.03548
%RSD	.0796052	.3482942	3.762832	5.364501	.2133508	.3089493	.3083574

#1	15.21400	.5222521	.0033250	.0147255	4.571933	4.572450	11.51514
#2	15.19350	.5190239	.0031749	.0156642	4.590074	4.598996	11.46759
#3	15.19261	.5192129	.0030872	.0163943	4.574719	4.594349	11.53698

Sample Name: Q2464-01 Acquired: 7/3/2025 13:32:05 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.638732	.2305623	-.061675
Stddev	.016826	.0013653	.000533
%RSD	.3627260	.5921422	.8644510

#1	4.630670	.2292388	-.062188
#2	4.627455	.2319658	-.061713
#3	4.658072	.2304822	-.061124

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6129.294	85016.26	11547.63	5751.124	6207.539
Stddev	9.410	310.08	33.10	21.928	15.435
%RSD	.1535253	.3647278	.2866133	.3812754	.2486505

#1	6121.946	84800.46	11557.55	5729.901	6198.162
#2	6139.900	85371.59	11574.62	5773.694	6225.353
#3	6126.037	84876.72	11510.70	5749.776	6199.101

Sample Name: Q2429-04 Acquired: 7/3/2025 13:36:08 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002792	-0.003521	-0.002879	.0046021	-0.001978	.1482888	.5497449
Stddev	.000746	.001669	.000695	.0008179	.001071	.0055422	.0031461
%RSD	26.73727	47.39987	24.13796	17.77203	54.12790	3.737401	.5722777

#1	-0.002714	-0.005336	-0.002569	.0055198	-0.000892	.1431511	.5485171
#2	-0.002087	-0.003176	-0.003675	.0039500	-0.003033	.1475534	.5533198
#3	-0.003574	-0.002052	-0.002393	.0043365	-0.002010	.1541620	.5473979

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.000176	-0.000999	139.6870	.0000799	.0017023	.0013655	5.774638
Stddev	.000004	.000076	.7053	.0001366	.0001954	.0002784	.091451
%RSD	2.458396	7.589680	.5048987	170.9687	11.47665	20.38509	1.583674

#1	-0.000172	-0.000912	139.1641	-0.000043	.0015187	.0010681	5.718216
#2	-0.000174	-0.001043	140.4892	.000055	.0016805	.0014085	5.725545
#3	-0.000180	-0.001043	139.4078	.000227	.0019076	.0016198	5.880152

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.488730	3.073139	.0031693	-0.001047	392.3778	-0.002086	.0910629
Stddev	.014394	.014959	.0003491	.000384	5.3758	.001657	.0002453
%RSD	.4125928	.4867792	11.01626	36.69443	1.370048	79.41847	.2693750

#1	3.482079	3.084557	.0028085	-0.000650	387.0141	-0.002561	.0907804
#2	3.505247	3.078656	.0031937	-0.001417	392.3537	-0.000244	.0912224
#3	3.478864	3.056205	.0035055	-0.001073	397.7655	-0.003453	.0911858

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.450646	.0402742	-0.002180	-0.011348	-0.000007	1.236368	.0083636
Stddev	.103926	.0002281	.000105	.000647	.000990	.020601	.0015798
%RSD	3.011791	.5663647	4.807489	5.704324	14615.83	1.666239	18.88943

#1	3.394554	.0401866	-0.002285	-0.011541	.000929	1.214556	.0066114
#2	3.386816	.0405332	-0.002180	-0.011876	-0.001043	1.239053	.0088000
#3	3.570566	.0401030	-0.002076	-0.010626	.000094	1.255495	.0096793

Sample Name: Q2429-04 Acquired: 7/3/2025 13:36:08 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6299315	-.019200	.3242774
Stddev	.0024607	.001762	.0013073
%RSD	.3906328	9.178546	.4031394

#1	.6311994	-.021185	.3235000
#2	.6270954	-.018597	.3257867
#3	.6314997	-.017819	.3235456

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4523.459	59676.43	8567.634	4041.147	6002.588
Stddev	6.929	443.28	53.705	10.700	10.382
%RSD	.1531792	.7428127	.6268370	.2647748	.1729570

#1	4516.568	60000.80	8576.835	4053.458	5999.727
#2	4530.425	59857.16	8509.923	4035.896	6014.101
#3	4523.384	59171.33	8616.145	4034.086	5993.937

Sample Name: Q2463-01 Acquired: 7/3/2025 13:40:32 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023327	-.003441	.0119835	.0100315	.0045339	7.321734
Stddev	.0008741	.002249	.0010806	.0028879	.0007695	.022197
%RSD	37.46981	65.34366	9.017092	28.78770	16.97233	.3031618

#1	.0032450	-.004953	.0119051	.0102759	.0037550	7.346927
#2	.0015027	-.000857	.0109443	.0070293	.0045531	7.313222
#3	.0022504	-.004513	.0131011	.0127895	.0052936	7.305054

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0721055	.0000361	-.001353	99.39131	.0037340	.0030825
Stddev	.0010044	.0000260	.000136	.17057	.0002406	.0001424
%RSD	1.392966	72.24725	10.07081	.1716141	6.442834	4.618177

#1	.0732651	.0000228	-.001394	99.58605	.0034698	.0032415
#2	.0715080	.0000661	-.001464	99.26841	.0037919	.0030392
#3	.0715433	.0000193	-.001201	99.31947	.0039403	.0029669

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0433739	19.25684	.0450858	2.897134	.0300337	-.001848
Stddev	.0005444	.13088	.0007018	.013615	.0001086	.000157
%RSD	1.255217	.6796517	1.556559	.4699403	.3616051	8.521396

#1	.0437466	19.14427	.0453052	2.902035	.0299330	-.001956
#2	.0436259	19.22581	.0443006	2.907619	.0300194	-.001919
#3	.0427491	19.40045	.0456517	2.881747	.0301487	-.001667

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	344.8125	.0370785	.0345887	496.8403	.1063202	.3001812
Stddev	2.6394	.0003648	.0001889	.4713	.0005958	.0006334
%RSD	.7654615	.9838081	.5460227	.0948601	.5603313	.2110209

#1	347.2917	.0370697	.0346976	497.3584	.1069210	.3006785
#2	342.0378	.0367183	.0343706	496.7256	.1063100	.2994680
#3	345.1081	.0374477	.0346978	496.4369	.1057297	.3003970

Sample Name: Q2463-01 Acquired: 7/3/2025 13:40:32 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.010192	.0569058	F 25.99516	.3192603	F 154.4595	.2835048
Stddev	.001361	.0151223	.16566	.0024016	.4317	.0036168
%RSD	13.35275	26.57432	.6372687	.7522347	.2795169	1.275731

#1	-.009918	.0743584	25.92659	.3167931	154.9262	.2874957
#2	-.008989	.0476891	25.87480	.3193976	154.0744	.2825752
#3	-.011669	.0486700	26.18410	.3215904	154.3779	.2804437

Elem	Sr4077
Units	ppm
Avg	2.276839
Stddev	.003319
%RSD	.1457870

#1	2.280470
#2	2.276086
#3	2.273960

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4330.099	58927.68	8984.940	3984.899	5683.880
Stddev	8.457	234.19	23.625	2.659	8.152
%RSD	.1953112	.3974217	.2629426	.0667340	.1434303

#1	4320.488	59123.58	8960.027	3983.314	5674.754
#2	4333.404	58991.17	9007.022	3987.969	5690.443
#3	4336.405	58668.29	8987.772	3983.415	5686.442

Sample Name: Q2463-01DUP Acquired: 7/3/2025 13:54:55 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026288	-.003308	.0133851	.0100195	.0043234	7.374802
Stddev	.0009587	.001470	.0012030	.0027777	.0013890	.030292
%RSD	36.47057	44.43490	8.987512	27.72331	32.12759	.4107529

#1	.0019140	-.003247	.0120708	.0068910	.0034808	7.380107
#2	.0022541	-.004808	.0144316	.0109713	.0035627	7.402091
#3	.0037183	-.001870	.0136531	.0121963	.0059266	7.342207

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0701989	.0000319	-.001296	99.22133	.0039314	.0028987
Stddev	.0011148	.0000073	.000046	.32251	.0004074	.0001336
%RSD	1.588063	22.75086	3.536500	.3250407	10.36379	4.607569

#1	.0712233	.0000285	-.001348	99.25972	.0037617	.0029913
#2	.0690116	.0000402	-.001280	99.52293	.0043962	.0027456
#3	.0703619	.0000269	-.001261	98.88134	.0036361	.0029591

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0434195	19.19043	.0450738	2.882377	.0306144	-.001571
Stddev	.0002976	.05933	.0004664	.037491	.0002772	.000334
%RSD	.6853048	.3091500	1.034758	1.300714	.9055366	21.27565

#1	.0437038	19.16775	.0445528	2.924676	.0306468	-.001955
#2	.0434445	19.25775	.0452165	2.869212	.0308740	-.001419
#3	.0431102	19.14579	.0454523	2.853244	.0303224	-.001341

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	341.9601	.0355674	.0345351	484.9719	.1045426	.3024935
Stddev	2.4011	.0002022	.0002157	3.5187	.0010179	.0002218
%RSD	.7021695	.5683734	.6246063	.7255396	.9736633	.0733270

#1	343.6761	.0353822	.0347676	488.2509	.1055796	.3024386
#2	342.9880	.0357831	.0344961	485.4102	.1035449	.3027376
#3	339.2161	.0355369	.0343415	481.2546	.1045033	.3023043

Sample Name: Q2463-01DUP Acquired: 7/3/2025 13:54:55 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.009874	.0561800	F 25.89292	.3275541	F 154.3227	.2831312
Stddev	.000375	.0036423	.03150	.0021726	1.3592	.0006991
%RSD	3.793193	6.483173	.1216533	.6632775	.8807837	.2469088

#1	-.010018	.0568038	25.90906	.3285946	155.7448	.2839305
#2	-.009448	.0594701	25.91307	.3290107	154.1870	.2828289
#3	-.010155	.0522662	25.85662	.3250569	153.0365	.2826341

Elem	Sr4077
Units	ppm
Avg	2.299111
Stddev	.028304
%RSD	1.231074

#1	2.330109
#2	2.274642
#3	2.292582

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4280.397	59209.45	8969.380	3971.177	5598.774
Stddev	1.843	125.31	33.126	2.706	4.997
%RSD	.0430525	.2116357	.3693284	.0681483	.0892466

#1	4280.354	59065.88	8932.830	3970.575	5594.783
#2	4278.576	59265.69	8977.884	3974.134	5597.161
#3	4282.261	59296.79	8997.425	3968.822	5604.378

Sample Name: Q2463-01LX5 Acquired: 7/3/2025 13:59:25 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002694	-.002829	.0001565	.0015592	.0012354	1.355504
Stddev	.000501	.000062	.0002023	.0026978	.0007159	.004481
%RSD	18.60896	2.208603	129.2819	173.0254	57.94757	.3305767

#1	-.002504	-.002875	.0003666	-.000251	.0020525	1.357035
#2	-.003262	-.002758	-.000037	.004660	.0007189	1.359018
#3	-.002315	-.002854	.000140	.000268	.0009347	1.350458

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.009333	-.000104	-.001031	18.82728	.0003288	-.000150
Stddev	.000819	.000022	.000035	.03109	.0001320	.000075
%RSD	8.773972	21.31547	3.391124	.1651238	40.15443	49.88423

#1	-.008571	-.000105	-.000990	18.85546	.0001764	-.000121
#2	-.010199	-.000082	-.001052	18.79393	.0004076	-.000094
#3	-.009230	-.000126	-.001050	18.83244	.0004024	-.000234

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076009	3.263389	.0071419	.5296307	.0046147	-.000402
Stddev	.0000749	.029079	.0003546	.0080260	.0002376	.000310
%RSD	.9857690	.8910567	4.965151	1.515389	5.149485	77.09758

#1	.0076579	3.269120	.0074695	.5363636	.0044515	-.000760
#2	.0076286	3.231871	.0067653	.5317794	.0048873	-.000232
#3	.0075160	3.289175	.0071908	.5207491	.0045052	-.000214

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	56.30490	.0057337	.0038985	76.83618	.0147381	.0524869
Stddev	.75395	.0012056	.0001209	1.14222	.0010279	.0001315
%RSD	1.339055	21.02624	3.100378	1.486571	6.974631	.2505895

#1	56.44531	.0043541	.0038985	76.78076	.0138153	.0524768
#2	55.49061	.0065846	.0037776	75.72268	.0145531	.0523606
#3	56.97878	.0062624	.0040193	78.00511	.0158460	.0526231

Sample Name: Q2463-01LX5 Acquired: 7/3/2025 13:59:25 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001156	.0060668	4.283907	.0512544	F 27.76273	.0600763
Stddev	.000400	.0007490	.041415	.0019326	.15190	.0002100
%RSD	34.60097	12.34554	.9667626	3.770699	.5471197	.3495746

#1	-.001246	.0068881	4.302436	.0531547	27.92045	.0599378
#2	-.001504	.0058908	4.236462	.0513176	27.61742	.0599732
#3	-.000719	.0054215	4.312822	.0492909	27.75032	.0603180

Elem	Sr4077
Units	ppm
Avg	.4374180
Stddev	.0006749
%RSD	.1542893

#1	.4376030
#2	.4366699
#3	.4379810

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4659.019	65374.88	8895.056	4401.740	6311.214
Stddev	10.923	819.45	24.684	35.176	23.419
%RSD	.2344449	1.253462	.2774972	.7991492	.3710706

#1	4647.247	64911.39	8866.708	4389.297	6288.610
#2	4660.986	66321.03	8906.668	4441.447	6309.662
#3	4668.825	64892.22	8911.793	4374.476	6335.371

Sample Name: Q2463-01A Acquired: 7/3/2025 14:13:13 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8187415	1.880227	.9217706	2.084647	.8395030	9.198847
Stddev	.0065255	.018367	.0063920	.012930	.0055588	.068627
%RSD	.7970198	.9768438	.6934458	.6202593	.6621521	.7460445

#1	.8238881	1.859019	.9261186	2.089309	.8446043	9.152216
#2	.8209345	1.890714	.9247618	2.094600	.8403263	9.166675
#3	.8114020	1.890947	.9144315	2.070032	.8335785	9.277651

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2443353	.1705635	.1924758	99.06206	.3864748	.2010568
Stddev	.0035410	.0011406	.0010259	.88184	.0001567	.0014222
%RSD	1.449239	.6687484	.5329989	.8901944	.0405464	.7073793

#1	.2415701	.1697410	.1933256	98.43213	.3865957	.2022050
#2	.2431093	.1700839	.1927655	98.68417	.3862978	.2014995
#3	.2483263	.1718657	.1913362	100.0699	.3865310	.1994658

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3260552	22.15457	.2370222	4.607834	.5205462	.0424583
Stddev	.0036182	.04890	.0028998	.043142	.0031722	.0007424
%RSD	1.109674	.2207325	1.223431	.9362776	.6094046	1.748577

#1	.3282219	22.10078	.2347831	4.572689	.5227511	.0422393
#2	.3280654	22.16657	.2359857	4.594831	.5219769	.0432856
#3	.3218783	22.19635	.2402978	4.655982	.5169106	.0418501

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	335.5401	.3180172	.2511774	462.7128	.3389187	.7155601
Stddev	2.0963	.0027398	.0010390	1.1840	.0021603	.0049224
%RSD	.6247483	.8615359	.4136301	.2558801	.6374096	.6879101

#1	336.7341	.3149798	.2500246	463.5351	.3364303	.7184480
#2	333.1196	.3187697	.2520413	463.2474	.3400125	.7183559
#3	336.7667	.3203022	.2514663	461.3558	.3403134	.7098764

Sample Name: Q2463-01A Acquired: 7/3/2025 14:13:13 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6915150	.2382569	F 26.66354	6.335028	F 146.0418	.4818103
Stddev	.0033313	.0012858	.07160	.033128	.6399	.0039763
%RSD	.4817425	.5396657	.2685411	.5229281	.4381636	.8252842
#1	.6943214	.2370605	26.60241	6.345319	146.2532	.4785496
#2	.6923902	.2380937	26.64590	6.361789	146.5492	.4806412
#3	.6878335	.2396165	26.74232	6.297976	145.3229	.4862401

Elem	Sr4077
Units	ppm
Avg	2.489698
Stddev	.043044
%RSD	1.728898
#1	2.452198
#2	2.536699
#3	2.480195

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4400.178	58719.13	8923.789	3955.531	5798.673
Stddev	33.207	19.26	57.399	16.050	36.140
%RSD	.7546822	.0327971	.6432150	.4057640	.6232490
#1	4378.458	58741.37	8966.276	3961.401	5777.562
#2	4383.672	58708.08	8946.600	3937.372	5778.055
#3	4438.404	58707.95	8858.491	3967.819	5840.403

Sample Name: Q2458-01 Acquired: 7/3/2025 14:17:26 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0730688	-.012528	.4481938	.0156662	.0035333	187.1626	.5508079
Stddev	.0004243	.002789	.0013167	.0019748	.0011069	.0437	.0019896
%RSD	.5806261	22.26332	.2937843	12.60547	31.32857	.0233284	.3612134

#1	.0735371	-.010229	.4468593	.0163853	.0030152	187.1996	.5525355
#2	.0729594	-.011724	.4494920	.0134326	.0027805	187.1738	.5512555
#3	.0727100	-.015631	.4482302	.0171807	.0048043	187.1145	.5486326

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082056	-.001304	6.532801	.1350875	.0491973	.0975737	247.2567
Stddev	.0000591	.000010	.039932	.0001424	.0002902	.0010331	.9801
%RSD	.7201611	.7423331	.6112553	.1054480	.5899357	1.058793	.3964046

#1	.0081707	-.001310	6.497924	.1349231	.0491649	.0974494	247.7526
#2	.0081724	-.001311	6.576360	.1351669	.0489247	.0966084	247.8899
#3	.0082738	-.001293	6.524119	.1351726	.0495024	.0986633	246.1277

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4922564	4.880971	.0842130	-.015908	15.15378	.3485585	.3120398
Stddev	.0014853	.046398	.0000611	.000726	.03993	.0010384	.0006694
%RSD	.3017249	.9505899	.0725007	4.562300	.2635024	.2979116	.2145152

#1	.4909295	4.829902	.0841426	-.015089	15.14265	.3473634	.3123618
#2	.4919789	4.892479	.0842457	-.016166	15.19809	.3490725	.3124874
#3	.4938609	4.920532	.0842509	-.016470	15.12059	.3492397	.3112703

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.875634	.5133051	-.001477	.0167880	3.508909	5.090040	3.920509
Stddev	.111628	.0027067	.000264	.0001856	.001673	.015297	.009897
%RSD	2.289503	.5273001	17.85616	1.105763	.0476658	.3005198	.2524366

#1	4.997693	.5140103	-.001781	.0169513	3.507638	5.097856	3.931357
#2	4.850480	.5155893	-.001302	.0168265	3.510804	5.099849	3.911972
#3	4.778729	.5103156	-.001350	.0165861	3.508286	5.072414	3.918197

Sample Name: Q2458-01 Acquired: 7/3/2025 14:17:26 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6217008	.1330941	-.214967
Stddev	.0066859	.0014196	.000956
%RSD	1.075415	1.066654	.4445357

#1	.6204991	.1347091	-.215480
#2	.6289061	.1325306	-.215557
#3	.6156973	.1320428	-.213865

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5167.342	70051.28	10043.70	4841.887	6324.480
Stddev	11.461	206.02	19.75	8.624	9.473
%RSD	.2217986	.2940944	.1965975	.1781087	.1497804

#1	5154.222	70076.22	10065.01	4847.888	6314.998
#2	5172.402	69833.92	10040.05	4832.005	6324.497
#3	5175.403	70243.69	10026.03	4845.769	6333.944

Sample Name: Q2475-01 Acquired: 7/3/2025 14:21:30 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0801277	-.033262	.3155395	.0214279	.0012401	193.1027	1.482131
Stddev	.0025740	.001902	.0030207	.0026804	.0026078	.4531	.002238
%RSD	3.212312	5.717557	.9573137	12.50904	210.2910	.2346323	.1510141

#1	.0806913	-.034365	.3154619	.0187088	-.000454	193.1045	1.480263
#2	.0823732	-.031066	.3185983	.0240679	.004243	193.5549	1.484612
#3	.0773187	-.034355	.3125584	.0215070	-.000068	192.6487	1.481519

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0149469	.0116494	35.10188	.4291766	.3908685	.4491882	507.3555
Stddev	.0000331	.0005108	.07405	.0017027	.0025794	.0063809	1.7690
%RSD	.2212568	4.384850	.2109670	.3967332	.6599064	1.420546	.3486775

#1	.0149120	.0121752	35.02268	.4273288	.3924696	.4551841	505.4641
#2	.0149777	.0116180	35.16939	.4295187	.3922430	.4498987	508.9694
#3	.0149511	.0111550	35.11356	.4306822	.3878930	.4424817	507.6328

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.05282	74.38280	.4003332	-.038273	2.071031	1.258076	1.023943
Stddev	.08243	.03973	.0026396	.000244	.012135	.004447	.001643
%RSD	.3290344	.0534192	.6593533	.6374502	.5859301	.3534795	.1604680

#1	25.04158	74.42824	.4007523	-.038479	2.059105	1.259361	1.022404
#2	25.14029	74.36562	.4027382	-.038004	2.070623	1.253128	1.023751
#3	24.97658	74.35455	.3975091	-.038338	2.083365	1.261739	1.025674

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.20657	1.064470	.0010702	.0260000	6.383718	7.676030	9.439125
Stddev	.06438	.003684	.0002171	.0039934	.025728	.114593	.080600
%RSD	.6307982	.3460828	20.28550	15.35917	.4030226	1.492865	.8538971

#1	10.13388	1.060858	.0008244	.0254304	6.359842	7.554527	9.503434
#2	10.22942	1.068222	.0011503	.0302475	6.410966	7.691402	9.465234
#3	10.25642	1.064329	.0012359	.0223219	6.380348	7.782160	9.348706

Sample Name: Q2475-01 Acquired: 7/3/2025 14:21:30 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.442176	.4058345	-.345229
Stddev	.008585	.0014692	.001659
%RSD	.5952811	.3620264	.4804710

#1	1.451980	.4043045	-.343330
#2	1.438543	.4072343	-.346397
#3	1.436004	.4059645	-.345959

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5247.695	74454.39	10664.81	5039.896	5993.800
Stddev	24.175	231.20	41.78	1.533	33.950
%RSD	.4606700	.3105287	.3917428	.0304097	.5664128

#1	5234.545	74496.61	10617.31	5038.670	5977.093
#2	5232.946	74661.58	10695.83	5039.405	5971.441
#3	5275.594	74204.99	10681.31	5041.615	6032.866

Sample Name: CCV02 Acquired: 7/3/2025 14:25:49 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.044109	5.058177	4.906942	5.158097	5.116064	9.684149	9.403870
Stddev	.015108	.025430	.015524	.016442	.016646	.029583	.022623
%RSD	.2995268	.5027505	.3163634	.3187626	.3253739	.3054776	.2405702

#1	5.051937	5.087484	4.915454	5.166432	5.115499	9.654555	9.381359
#2	5.026692	5.045108	4.889024	5.139157	5.099707	9.684172	9.403646
#3	5.053696	5.041939	4.916348	5.168702	5.132986	9.713721	9.426604

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2316471	2.480594	23.80360	.9928405	2.480824	1.255323	4.900437
Stddev	.0015339	.006408	.04825	.0034183	.007164	.002771	.037067
%RSD	.6621513	.2583371	.2026973	.3442942	.2887625	.2207508	.7564118

#1	.2303596	2.484221	23.74820	.9967724	2.485648	1.257349	4.931717
#2	.2312376	2.473194	23.83643	.9905750	2.472592	1.252165	4.859495
#3	.2333442	2.484366	23.82616	.9911741	2.484231	1.256456	4.910098

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.482350	23.56633	2.513412	1.196079	22.75619	2.390759	2.417023
Stddev	.005070	.05109	.005880	.003562	.15582	.004720	.002662
%RSD	.2042233	.2168055	.2339588	.2977916	.6847184	.1974386	.1101497

#1	2.480854	23.54503	2.515286	1.198344	22.93609	2.389917	2.417154
#2	2.478197	23.52933	2.506823	1.191974	22.66884	2.386516	2.414298
#3	2.487999	23.62462	2.518126	1.197920	22.66365	2.395844	2.419618

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.54959	4.579974	5.053172	4.989084	4.740664	4.752711	4.929093
Stddev	.20322	.029802	.010080	.011171	.017672	.028927	.014529
%RSD	.9012165	.6506951	.1994841	.2238990	.3727665	.6086475	.2947612

#1	22.78236	4.554442	5.060877	4.993005	4.727728	4.781568	4.934255
#2	22.45898	4.572761	5.041764	4.976482	4.733466	4.723714	4.912688
#3	22.40744	4.612721	5.056875	4.997766	4.760799	4.752852	4.940337

Sample Name: CCV02 Acquired: 7/3/2025 14:25:49 Type: Unk
Method: 6010-200.7 NEW(v27) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.043339	4.796871	5.044730
Stddev	.016797	.011151	.033185
%RSD	.3330604	.2324691	.6578213

#1	5.055514	4.787961	5.036298
#2	5.024176	4.793274	5.016574
#3	5.050328	4.809376	5.081318

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4575.702	65966.05	8519.279	4424.456	6198.217
Stddev	12.157	341.51	26.897	15.521	14.662
%RSD	.2656945	.5177071	.3157221	.3507958	.2365464

#1	4563.154	65571.76	8540.180	4408.601	6185.867
#2	4587.427	66168.51	8528.725	4439.619	6214.421
#3	4576.526	66157.89	8488.933	4425.148	6194.362

Sample Name: CCB02 Acquired: 7/3/2025 14:55:50 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001535	-.002596	-.001419	.0013581	-.001714	-.018688	-.025676
Stddev	.001032	.000135	.000529	.0013338	.000688	.006011	.001069
%RSD	67.20646	5.206854	37.26114	98.20701	40.17180	32.16831	4.161837

#1	-.002108	-.002677	-.001398	.0018124	-.000924	-.011845	-.025362
#2	-.000344	-.002440	-.000901	.0024054	-.002032	-.021098	-.026866
#3	-.002153	-.002671	-.001957	-.000143	-.002185	-.023120	-.024799

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000118	-.000981	-.036869	-.000357	-.001080	-.001214	-.004766
Stddev	.000030	.000042	.007904	.000269	.000078	.000096	.007906
%RSD	25.12809	4.315790	21.43924	75.52461	7.178422	7.877503	165.8779

#1	-.000085	-.001009	-.039116	-.000472	-.000993	-.001108	-.000011
#2	-.000127	-.001002	-.043406	-.000049	-.001105	-.001293	-.000394
#3	-.000142	-.000932	-.028084	-.000549	-.001142	-.001242	-.013892

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001706	-.026484	-.000983	-.000367	.0965759	.0000508	-.001302
Stddev	.000105	.008686	.000207	.000200	.0022490	.0009640	.000071
%RSD	6.132369	32.79609	21.07570	54.66991	2.328750	1896.151	5.453325

#1	-.001586	-.024794	-.001204	-.000318	.0943759	.0011532	-.001233
#2	-.001752	-.018767	-.000794	-.000587	.0988709	-.000366	-.001375
#3	-.001779	-.035890	-.000950	-.000195	.0964809	-.000634	-.001298

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3120093	-.006105	-.002558	.0000422	-.001071	-.003695	-.004190
Stddev	.0326602	.000420	.000209	.0003508	.000086	.012644	.000588
%RSD	10.46769	6.884832	8.171999	831.2027	8.044384	342.2325	14.02281

#1	.2814149	-.006473	-.002408	.0004011	-.001120	-.009592	-.004824
#2	.3082102	-.006194	-.002796	-.000300	-.001123	.010821	-.004080
#3	.3464029	-.005647	-.002468	.000025	-.000972	-.012313	-.003665

Sample Name: CCB02 Acquired: 7/3/2025 14:55:50 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB02 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0096277	.0038610	-.003561
Stddev	.0051466	.0019234	.000051
%RSD	53.45638	49.81584	1.442035

#1	.0064180	.0016418	-.003619
#2	.0155639	.0050476	-.003544
#3	.0069011	.0048935	-.003520

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4616.716	66382.02	8623.699	4494.693	6453.299
Stddev	4.331	159.34	25.498	3.401	8.036
%RSD	.0938169	.2400367	.2956699	.0756688	.1245321

#1	4615.117	66205.53	8636.364	4498.507	6444.024
#2	4621.619	66515.31	8640.385	4493.596	6457.680
#3	4613.412	66425.20	8594.349	4491.975	6458.193

Sample Name: CCV03 Acquired: 7/3/2025 16:03:38 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.929882	5.352352	4.731943	5.077645	5.071687	9.492338
Stddev	.001646	.027091	.002421	.012933	.002312	.004932
%RSD	.0333783	.5061572	.0511562	.2547032	.0455909	.0519577

#1	4.931403	5.359445	4.734438	5.062973	5.069605	9.486647
#2	4.928135	5.322420	4.731789	5.082571	5.071279	9.495007
#3	4.930106	5.375191	4.729604	5.087391	5.074176	9.495360

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.259751	.2431064	2.393710	23.49824	.9425023	2.405577
Stddev	.052296	.0012775	.001698	.03403	.0008084	.002212
%RSD	.5647643	.5255119	.0709331	.1448081	.0857720	.0919577

#1	9.254452	.2433421	2.391812	23.48558	.9426848	2.403134
#2	9.210306	.2417274	2.395086	23.47236	.9416182	2.407445
#3	9.314495	.2442497	2.394231	23.53678	.9432038	2.406151

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.218072	4.893177	2.440186	22.94146	2.407658	1.199498
Stddev	.000691	.031846	.001316	.03032	.001144	.001804
%RSD	.0567509	.6508270	.0539449	.1321530	.0475241	.1503590

#1	1.217280	4.897589	2.439023	22.94635	2.406531	1.200426
#2	1.218555	4.922587	2.439920	22.90900	2.408819	1.200649
#3	1.218381	4.859355	2.441615	22.96904	2.407622	1.197420

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.11841	2.341590	2.466907	24.29790	F 4.287124	5.023912
Stddev	.11382	.001048	.003753	.08379	.017079	.002522
%RSD	.4531364	.0447594	.1521192	.3448301	.3983822	.0501925

#1	25.12179	2.340776	2.470268	24.25146	4.292160	5.021339
#2	25.23051	2.341220	2.467594	24.39463	4.268093	5.024018
#3	25.00294	2.342772	2.462858	24.24762	4.301119	5.026379

Sample Name: CCV03 Acquired: 7/3/2025 16:03:38 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV03 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.859607	4.684364	5.070397	4.569497	4.855932	4.754401
Stddev	.006198	.008260	.047588	.008008	.004325	.015041
%RSD	.1275352	.1763320	.9385536	.1752562	.0890602	.3163525

#1	4.852491	4.674923	5.033329	4.569574	4.854485	4.740389
#2	4.862507	4.690260	5.124061	4.561451	4.852516	4.770293
#3	4.863823	4.687908	5.053799	4.577467	4.860794	4.752522

Elem	Sr4077
Units	ppm
Avg	5.012703
Stddev	.041430
%RSD	.8265022

#1	5.048183
#2	4.967173
#3	5.022754

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4618.659	63114.22	8739.719	4254.836	6315.565
Stddev	8.057	130.70	39.205	16.620	10.192
%RSD	.1744497	.2070904	.4485857	.3906143	.1613773

#1	4617.252	62978.62	8722.405	4235.747	6316.624
#2	4627.327	63124.65	8784.600	4262.667	6325.187
#3	4611.397	63239.40	8712.151	4266.093	6304.886

Sample Name: CCB03 Acquired: 7/3/2025 16:08:14 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001471	-.002914	-.002033	.0040486	-.000729	-.017778
Stddev	.001612	.001462	.001545	.0032919	.000725	.000891
%RSD	109.5519	50.18386	75.99980	81.30933	99.40294	5.011045

#1	-.000119	-.004595	-.001609	.0078496	-.000593	-.016775
#2	-.001040	-.002205	-.003745	.0021173	-.001512	-.018083
#3	-.003255	-.001941	-.000744	.0021789	-.000082	-.018477

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.030009	-.000165	-.000969	-.005641	-.000532	-.001057
Stddev	.000776	.000025	.000055	.001060	.000116	.000199
%RSD	2.587599	15.28991	5.686300	18.79019	21.81484	18.84555

#1	-.029340	-.000194	-.001007	-.004664	-.000470	-.000990
#2	-.029826	-.000150	-.000994	-.005490	-.000460	-.000899
#3	-.030860	-.000151	-.000906	-.006768	-.000666	-.001281

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000705	-.005188	-.000837	-.019937	-.000660	-.000338
Stddev	.000339	.003360	.000203	.017733	.000096	.000158
%RSD	48.01358	64.77127	24.22080	88.94650	14.49877	46.74614

#1	-.000314	-.004233	-.000925	-.036258	-.000692	-.000219
#2	-.000891	-.008923	-.000605	-.022484	-.000736	-.000279
#3	-.000911	-.002409	-.000982	-.001068	-.000553	-.000517

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1990810	-.001015	.0152679	.7273321	.0029479	-.001932
Stddev	.0015588	.001613	.0008255	.0143830	.0005183	.000377
%RSD	.7830087	158.9464	5.407080	1.977499	17.58154	19.51441

#1	.2008170	-.002603	.0161717	.7316313	.0026837	-.001758
#2	.1978011	.000622	.0150783	.7390752	.0026148	-.001674
#3	.1986249	-.001063	.0145536	.7112898	.0035450	-.002365

Sample Name: CCB03 Acquired: 7/3/2025 16:08:14 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB03 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006137	-.002441	.0032208	-.001383	F .0168825	F .0154288
Stddev	.0003296	.000425	.0030969	.002208	.0021393	.0013356
%RSD	53.69672	17.42432	96.15298	159.6078	12.67146	8.656186

#1	.0002436	-.001967	.0020955	-.002738	.0145013	.0169540
#2	.0008754	-.002569	.0008439	.001164	.0175042	.0148640
#3	.0007222	-.002788	.0067230	-.002576	.0186421	.0144685

Elem	Sr4077
Units	ppm
Avg	-.003454
Stddev	.000007
%RSD	.2013148

#1	-.003449
#2	-.003451
#3	-.003462

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4626.403	66765.23	9085.271	4492.711	6467.051
Stddev	8.418	140.76	28.888	7.059	14.672
%RSD	.1819615	.2108336	.3179608	.1571189	.2268758

#1	4618.820	66845.89	9052.243	4495.575	6457.209
#2	4635.462	66847.11	9105.833	4497.888	6483.915
#3	4624.927	66602.69	9097.736	4484.670	6460.030

Sample Name: PB168678BL Acquired: 7/3/2025 16:12:32 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002697	-.002003	-.002488	-.002062	-.002477	-.016195	-.029338
Stddev	.001350	.001493	.001029	.001009	.000817	.001222	.001284
%RSD	50.06035	74.55294	41.35041	48.94899	32.99051	7.547267	4.378008

#1	-.001156	-.000281	-.001324	-.000943	-.003418	-.015901	-.029190
#2	-.003263	-.002938	-.003276	-.002339	-.001949	-.015147	-.030690
#3	-.003672	-.002791	-.002864	-.002903	-.002063	-.017538	-.028134

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000148	-.000955	-.040235	-.000300	-.001191	-.001054	-.004281
Stddev	.000014	.000093	.011846	.000133	.000105	.000510	.003411
%RSD	9.627550	9.770927	29.44202	44.56560	8.851455	48.33804	79.67274

#1	-.000149	-.000914	-.052074	-.000353	-.001192	-.000577	-.000381
#2	-.000133	-.001061	-.040248	-.000398	-.001296	-.000995	-.005757
#3	-.000161	-.000888	-.028382	-.000148	-.001085	-.001591	-.006705

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001730	-.024708	-.001071	-.000076	.1042202	-.000666	-.001316
Stddev	.000489	.027266	.000288	.000096	.0126145	.003297	.000024
%RSD	28.26160	110.3536	26.91622	125.9814	12.10367	495.3073	1.839464

#1	-.001385	.003056	-.001032	-.000105	.1031244	-.001643	-.001343
#2	-.002290	-.051448	-.000805	.000031	.1173468	-.003363	-.001296
#3	-.001516	-.025733	-.001377	-.000155	.0921894	.003009	-.001309

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3947759	-.000837	-.002344	-.000446	-.001748	.0048290	-.003116
Stddev	.0213322	.000411	.000338	.000720	.001372	.0018474	.001275
%RSD	5.403629	49.10410	14.40494	161.4659	78.51065	38.25728	40.89744

#1	.3703981	-.000880	-.002632	-.001273	-.002562	.0039168	-.004483
#2	.4039056	-.001224	-.001972	-.000103	-.002518	.0069551	-.002907
#3	.4100239	-.000406	-.002429	.000039	-.000164	.0036150	-.001960

Sample Name: PB168678BL Acquired: 7/3/2025 16:12:32 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0070431	.0094959	-.003578
Stddev	.0007788	.0010870	.000079
%RSD	11.05829	11.44716	2.198823

#1	.0069372	.0090452	-.003654
#2	.0063227	.0087068	-.003497
#3	.0078695	.0107358	-.003582

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4648.639	64140.01	9115.545	4387.100	6519.436
Stddev	12.664	193.85	63.601	3.297	27.820
%RSD	.2724259	.3022353	.6977239	.0751535	.4267180

#1	4635.247	63924.53	9164.033	4383.789	6488.450
#2	4660.422	64300.22	9139.069	4390.383	6542.266
#3	4650.247	64195.29	9043.533	4387.129	6527.593

Sample Name: PB168677BL Acquired: 7/3/2025 16:20:53 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002942	-.002071	-.003091	.0010587	-.001182	-.016170	-.030779
Stddev	.001130	.001259	.001031	.0021747	.001282	.003343	.001796
%RSD	38.41682	60.78830	33.36697	205.4143	108.4327	20.67470	5.834567

#1	-.002143	-.003268	-.004217	.0029080	-.002583	-.019968	-.031052
#2	-.002447	-.002186	-.002192	.0016053	-.000896	-.014868	-.028862
#3	-.004235	-.000758	-.002864	-.001337	-.000067	-.013674	-.032423

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000171	-.000980	-.039666	-.000352	-.001175	-.001107	-.006694
Stddev	.000028	.000039	.009540	.000202	.000143	.000385	.002715
%RSD	16.13991	3.943970	24.05082	57.21053	12.19341	34.78706	40.56540

#1	-.000203	-.000952	-.029028	-.000465	-.001010	-.000912	-.009808
#2	-.000156	-.001024	-.042505	-.000120	-.001240	-.000859	-.005454
#3	-.000155	-.000963	-.047463	-.000473	-.001273	-.001551	-.004820

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001560	-.021946	-.001161	-.000015	.0623279	-.000524	-.001148
Stddev	.000240	.019501	.000352	.000061	.0100447	.001335	.000061
%RSD	15.38643	88.85910	30.31621	420.0995	16.11584	254.9973	5.288121

#1	-.001465	.000483	-.000765	-.000076	.0674829	-.000345	-.001090
#2	-.001833	-.031431	-.001279	-.000013	.0507524	.000713	-.001211
#3	-.001382	-.034890	-.001438	.000046	.0687486	-.001939	-.001142

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1886351	-.003215	-.002642	.0003030	-.002201	-.011307	-.001577
Stddev	.0265429	.000517	.000197	.0002005	.000993	.005865	.001311
%RSD	14.07101	16.07485	7.436172	66.17427	45.09721	51.87539	83.11653

#1	.2030972	-.002851	-.002770	.0004839	-.001059	-.014370	-.001156
#2	.2048061	-.003806	-.002741	.0000874	-.002857	-.004544	-.000529
#3	.1580019	-.002987	-.002416	.0003378	-.002687	-.015007	-.003047

Sample Name: PB168677BL Acquired: 7/3/2025 16:20:53 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0025014	.0055629	-.003581
Stddev	.0025930	.0004853	.000043
%RSD	103.6628	8.723146	1.203000

#1	.0014554	.0056671	-.003558
#2	.0005947	.0059877	-.003555
#3	.0054541	.0050341	-.003631

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4591.481	63599.80	9044.273	4363.497	6401.941
Stddev	30.775	143.56	71.993	14.248	42.002
%RSD	.6702609	.2257305	.7960052	.3265351	.6560815

#1	4603.179	63441.56	9021.785	4347.046	6418.187
#2	4614.692	63636.13	8986.208	4371.489	6433.394
#3	4556.573	63721.71	9124.825	4371.955	6354.243

Sample Name: PB168677BS Acquired: 7/3/2025 16:26:01 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7765856	2.148910	.9385952	2.022154	.8105027	1.850096	.1765827
Stddev	.0046695	.037659	.0022383	.015749	.0045058	.009558	.0010252
%RSD	.6012842	1.752457	.2384745	.7788266	.5559239	.5166005	.5805596

#1	.7767303	2.116649	.9379033	2.012549	.8056332	1.840083	.1754945
#2	.7718454	2.139791	.9367845	2.013584	.8113507	1.851082	.1775304
#3	.7811810	2.190291	.9410978	2.040330	.8145243	1.859122	.1767230

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1766982	.1907653	.9277898	.3749433	.1941289	.3019499	2.806074
Stddev	.0008420	.0010226	.0093944	.0006026	.0008709	.0011726	.006839
%RSD	.4765376	.5360620	1.012552	.1607169	.4485948	.3883330	.2437141

#1	.1757686	.1902882	.9169518	.3750830	.1937250	.3008805	2.813550
#2	.1769163	.1900684	.9328116	.3754637	.1935334	.3017655	2.804538
#3	.1774098	.1919393	.9336059	.3742831	.1951284	.3032038	2.800134

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1955034	1.817003	.4899219	.0688857	2.945308	.2748642	.1950284
Stddev	.0011662	.0111100	.0023387	.0000253	.014995	.0040827	.0013501
%RSD	.5965294	.6108732	.4773694	.0367684	.5091029	1.485355	.6922736

#1	.1942769	1.812234	.4888142	.0688883	2.945798	.2726695	.1940223
#2	.1956351	1.809084	.4883427	.0688592	2.960051	.2723482	.1965628
#3	.1965982	1.829690	.4926087	.0689097	2.930074	.2795748	.1945002

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.329508	.2614978	.4002814	.6829177	.1801363	.8324240	5.691218
Stddev	.023199	.0020363	.0024290	.0027426	.0012036	.0061774	.042833
%RSD	.2486622	.7786909	.6068293	.4016018	.6681462	.7421012	.7526106

#1	9.354956	.2591882	.3987206	.6808701	.1801211	.8368100	5.659018
#2	9.324029	.2630343	.3990437	.6818492	.1813474	.8253593	5.674806
#3	9.309539	.2622709	.4030800	.6860337	.1789404	.8351025	5.739830

Sample Name: PB168677BS Acquired: 7/3/2025 16:26:01 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	F -.001724	.2012559	.1956282
Stddev	.002891	.0024840	.0002718
%RSD	167.6584	1.234240	.1389437

#1	-.002498	.2041151	.1953665
#2	.001475	.1996299	.1959091
#3	-.004149	.2000226	.1956090

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4646.773	66878.33	8875.510	4495.636	6462.979
Stddev	10.395	72.61	32.008	12.382	21.610
%RSD	.2237016	.1085741	.3606305	.2754330	.3343700

#1	4647.864	66796.42	8909.610	4507.751	6456.031
#2	4656.579	66934.79	8870.803	4483.002	6487.209
#3	4635.875	66903.79	8846.115	4496.154	6445.698

Sample Name: PB168678BS Acquired: 7/3/2025 16:30:02 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7754935	2.070187	.9342328	2.006099	.8070817	1.832074	.1721868
Stddev	.0039383	.041562	.0017088	.011227	.0028282	.001586	.0024788
%RSD	.5078388	2.007639	.1829139	.5596492	.3504241	.0865722	1.439625

#1	.7759601	2.057069	.9328877	2.002621	.8080536	1.830356	.1744962
#2	.7713428	2.036766	.9336549	1.997023	.8038957	1.832386	.1695676
#3	.7791777	2.116724	.9361556	2.018654	.8092958	1.833482	.1724965

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1756999	.1906071	.9182803	.3771736	.1941585	.3007824	2.824946
Stddev	.0010113	.0004602	.0045832	.0008246	.0003013	.0008755	.013354
%RSD	.5755603	.2414658	.4991082	.2186365	.1551828	.2910681	.4727095

#1	.1757766	.1903871	.9177810	.3774571	.1940436	.3006178	2.816959
#2	.1746525	.1902981	.9139672	.3762446	.1939315	.3000009	2.817518
#3	.1766707	.1911361	.9230927	.3778190	.1945003	.3017285	2.840362

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1922491	1.803983	.4887496	.0697487	2.986927	.2694010	.1963648
Stddev	.0007985	.006585	.0007795	.0002999	.011107	.0036351	.0005896
%RSD	.4153678	.3650129	.1594848	.4299512	.3718544	1.349321	.3002615

#1	.1924748	1.798403	.4880786	.0696965	2.995894	.2724627	.1970337
#2	.1913620	1.802300	.4885655	.0694783	2.974502	.2653835	.1959203
#3	.1929104	1.811246	.4896046	.0700712	2.990383	.2703568	.1961406

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.445306	.2579212	.4004314	.6812216	.1777744	.8511213	5.625678
Stddev	.058165	.0022391	.0021445	.0029891	.0014899	.0012550	.035119
%RSD	.6158094	.8681405	.5355567	.4387866	.8380698	.1474569	.6242689

#1	9.463301	.2568380	.3996739	.6805966	.1787031	.8497165	5.614977
#2	9.380270	.2564297	.3987685	.6785944	.1760559	.8515156	5.597154
#3	9.492347	.2604960	.4028519	.6844738	.1785641	.8521319	5.664903

Sample Name: PB168678BS Acquired: 7/3/2025 16:30:02 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	F -.001387	.1994085	.1933163
Stddev	.005110	.0017785	.0011678
%RSD	368.4949	.8918610	.6040751

#1	.003879	.2010488	.1928771
#2	-.001715	.1975184	.1924317
#3	-.006324	.1996585	.1946400

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4664.272	65958.60	8962.548	4456.082	6495.838
Stddev	13.504	114.17	41.354	12.088	11.762
%RSD	.2895152	.1730959	.4614092	.2712777	.1810643

#1	4664.439	65826.78	8932.346	4442.134	6500.213
#2	4677.692	66023.03	9009.681	4463.528	6504.786
#3	4650.686	66026.00	8945.618	4462.584	6482.516

Sample Name: Q2458-03 Acquired: 7/3/2025 16:34:03 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0327430	-.010477	.1079405	.0483826	.0009840	81.85271	.1500386
Stddev	.0005070	.000804	.0017618	.0037674	.0021296	.18686	.0010135
%RSD	1.548498	7.676302	1.632178	7.786734	216.4223	.2282935	.6754666

#1	.0332185	-.010573	.1094726	.0476254	-.000323	81.96564	.1511937
#2	.0322094	-.011229	.1060154	.0524712	-.000166	81.63702	.1496241
#3	.0328010	-.009629	.1083335	.0450513	.003441	81.95548	.1492982

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025989	-.008909	40.46515	.1829031	.0915306	.9156010	188.6626
Stddev	.0000411	.000250	.07052	.0013149	.0002356	.0023257	1.0780
%RSD	1.582833	2.810328	.1742664	.7189151	.2573538	.2540073	.5713975

#1	.0026453	-.009135	40.53071	.1839325	.0918006	.9181319	189.2393
#2	.0025670	-.008953	40.39055	.1833550	.0913675	.9135579	189.3296
#3	.0025844	-.008640	40.47419	.1814218	.0914235	.9151131	187.4189

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.319079	44.65847	.1998676	.0075461	11.81368	.4091334	.2628728
Stddev	.006184	.17897	.0003338	.0002040	.08621	.0016620	.0009602
%RSD	.4688113	.4007454	.1670270	2.702773	.7297331	.4062348	.3652901

#1	1.322457	44.80861	.2001809	.0077734	11.84852	.4110400	.2639591
#2	1.311942	44.46042	.1995165	.0074862	11.87702	.4079908	.2625219
#3	1.322838	44.70636	.1999053	.0073789	11.71551	.4083692	.2621374

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.57791	.4193607	-.000820	.0210186	2.533935	2.940446	5.240634
Stddev	.04211	.0043176	.000244	.0003944	.004378	.004503	.015395
%RSD	.3980821	1.029562	29.79876	1.876538	.1727634	.1531252	.2937569

#1	10.58402	.4217210	-.000903	.0210113	2.534891	2.945273	5.257340
#2	10.61663	.4219836	-.001012	.0214166	2.529158	2.939706	5.227019
#3	10.53308	.4143775	-.000545	.0206278	2.537755	2.936359	5.237543

Sample Name: Q2458-03 Acquired: 7/3/2025 16:34:03 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6527845	.1461507	-.022894
Stddev	.0040008	.0006597	.001170
%RSD	.6128772	.4513540	5.108967

#1	.6569426	.1467859	-.023170
#2	.6489623	.1461971	-.023901
#3	.6524487	.1454690	-.021611

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4842.228	67501.36	9683.896	4550.666	6279.398
Stddev	9.475	441.65	51.011	27.144	17.961
%RSD	.1956789	.6542797	.5267563	.5964773	.2860259

#1	4832.479	67123.20	9635.614	4526.912	6260.770
#2	4851.403	67394.14	9737.256	4544.835	6296.607
#3	4842.803	67986.75	9678.818	4580.252	6280.818

Sample Name: Q2458-03DUP Acquired: 7/3/2025 16:38:06 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0338552	-.013377	.1056245	.0513305	-.000624	85.87095	.1566506
Stddev	.0004789	.002380	.0006424	.0011654	.001933	.12247	.0018057
%RSD	1.414571	17.79408	.6081636	2.270454	309.8836	.1426167	1.152672

#1	.0342061	-.015999	.1056410	.0516172	.001046	85.79620	.1555297
#2	.0333096	-.011351	.1049741	.0523259	-.002742	85.80436	.1587336
#3	.0340498	-.012782	.1062585	.0500485	-.000175	86.01228	.1556885

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026219	-.009436	44.06088	.2060589	.1002234	.9781560	200.0454
Stddev	.0000312	.000143	.09315	.0015570	.0008482	.0038559	.5116
%RSD	1.191642	1.519045	.2114009	.7555919	.8462831	.3941971	.2557474

#1	.0026495	-.009271	43.95451	.2078394	.1007454	.9816093	200.3449
#2	.0026281	-.009511	44.10028	.2053838	.1006801	.9788631	200.3366
#3	.0025880	-.009527	44.12785	.2049534	.0992448	.9739955	199.4547

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.414063	48.56041	.2180453	.0080459	12.78291	.4629837	.2780717
Stddev	.003971	.06267	.0016245	.0003983	.05107	.0037702	.0005924
%RSD	.2808287	.1290548	.7450116	4.949916	.3995473	.8143291	.2130391

#1	1.411911	48.48947	.2194666	.0081732	12.84130	.4631886	.2782369
#2	1.411633	48.60825	.2183947	.0083651	12.74653	.4591152	.2774143
#3	1.418646	48.58352	.2162746	.0075996	12.76091	.4666472	.2785641

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.54592	.4525860	-.000988	.0422293	3.008456	3.238475	5.640025
Stddev	.03968	.0021202	.000289	.0027164	.009332	.004367	.047200
%RSD	.3436291	.4684552	29.29082	6.432381	.3101891	.1348374	.8368692

#1	11.57880	.4544793	-.000884	.0453070	3.017577	3.233816	5.683605
#2	11.50185	.4529835	-.000765	.0412145	3.008864	3.242475	5.646581
#3	11.55711	.4502952	-.001315	.0401665	2.998927	3.239133	5.589891

Sample Name: Q2458-03DUP Acquired: 7/3/2025 16:38:06 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6496994	.1470199	-.017902
Stddev	.0018208	.0023549	.000699
%RSD	.2802559	1.601759	3.903364

#1	.6515941	.1496161	-.017830
#2	.6495411	.1464220	-.018635
#3	.6479628	.1450215	-.017243

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4811.384	66345.92	9587.089	4487.451	6210.372
Stddev	5.269	238.32	15.563	15.677	9.844
%RSD	.1095121	.3592123	.1623339	.3493621	.1585168

#1	4815.600	66071.03	9584.148	4481.238	6204.109
#2	4805.477	66472.26	9603.913	4505.283	6205.288
#3	4813.074	66494.49	9573.206	4475.832	6221.719

Sample Name: Q2458-03LX5 Acquired: 7/3/2025 16:42:10 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058024	-.003102	.0203781	.0131384	-.000685	16.36528	.0049996
Stddev	.0019673	.000895	.0000984	.0022238	.001100	.03664	.0005143
%RSD	33.90543	28.85332	.4828576	16.92575	160.5052	.2238835	10.28617

#1	.0047516	-.003059	.0203940	.0151084	-.001920	16.39308	.0052713
#2	.0080720	-.004017	.0204676	.0135798	-.000326	16.37899	.0053209
#3	.0045836	-.002229	.0202727	.0107271	.000190	16.32376	.0044064

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004424	-.002684	8.167144	.0360728	.0163535	.1886481	36.33474
Stddev	.0000117	.000080	.030649	.0001785	.0001126	.0004916	.05492
%RSD	2.653293	2.968349	.3752677	.4947562	.6882654	.2606074	.1511402

#1	.0004558	-.002596	8.178417	.0361378	.0164338	.1889450	36.27978
#2	.0004376	-.002752	8.190560	.0358709	.0162248	.1880806	36.33483
#3	.0004339	-.002704	8.132455	.0362096	.0164019	.1889187	36.38961

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2652502	8.925986	.0373876	.0009721	2.286835	.0809270	.0505160
Stddev	.0007307	.057903	.0001255	.0002042	.014352	.0024803	.0002893
%RSD	.2754923	.6487022	.3355753	21.00474	.6275917	3.064855	.5726107

#1	.2660896	8.971763	.0372657	.0007799	2.272096	.0811056	.0507970
#2	.2649051	8.945301	.0375163	.0009501	2.300765	.0833131	.0505318
#3	.2647559	8.860894	.0373807	.0011865	2.287645	.0783622	.0502191

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.039210	.0745445	-.002428	.0032791	.4877380	.5582516	1.003338
Stddev	.022831	.0007368	.000173	.0004746	.0027581	.0036322	.002855
%RSD	1.119600	.9883876	7.124422	14.47456	.5654896	.6506436	.2845793

#1	2.015677	.0742105	-.002573	.0029374	.4881717	.5618671	1.006634
#2	2.040684	.0740338	-.002237	.0038211	.4902535	.5582849	1.001642
#3	2.061268	.0753891	-.002474	.0030789	.4847887	.5546029	1.001737

Sample Name: Q2458-03LX5 Acquired: 7/3/2025 16:42:10 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1276452	.0302873	-.006116
Stddev	.0029370	.0011072	.000144
%RSD	2.300938	3.655596	2.351375

#1	.1266375	.0302402	-.005960
#2	.1253447	.0314173	-.006147
#3	.1309534	.0292044	-.006242

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4715.820	66703.15	9231.896	4503.361	6483.771
Stddev	16.207	155.55	49.732	8.152	24.491
%RSD	.3436688	.2331941	.5386946	.1810208	.3777278

#1	4697.280	66586.46	9187.300	4496.762	6456.108
#2	4727.295	66643.24	9222.863	4500.847	6502.691
#3	4722.886	66879.74	9285.525	4512.474	6492.514

Sample Name: Q2458-03MS Acquired: 7/3/2025 16:46:21 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7833718	2.049558	1.049797	1.919723	.3464377	120.5669	.3547452
Stddev	.0043437	.022396	.004899	.008007	.0010886	.0948	.0006330
%RSD	.5544852	1.092709	.4666870	.4171078	.3142204	.0786156	.1784482

#1	.7784474	2.038753	1.044191	1.911634	.3453798	120.6723	.3553871
#2	.7850091	2.075308	1.053258	1.927646	.3463786	120.5395	.3541214
#3	.7866588	2.034615	1.051942	1.919888	.3475546	120.4888	.3547272

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1659409	.1841245	61.81028	.5861403	.3210176	1.334765	224.6292
Stddev	.0005565	.0009142	.11774	.0019998	.0017031	.003888	.9678
%RSD	.3353383	.4964994	.1904866	.3411777	.5305262	.2912989	.4308304

#1	.1665832	.1831622	61.93849	.5838343	.3190717	1.330288	223.5862
#2	.1656363	.1849815	61.78535	.5873992	.3222367	1.337296	224.8032
#3	.1656032	.1842298	61.70700	.5871872	.3217445	1.336712	225.4981

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.761763	57.75958	.7578580	.0772592	19.96652	.8496101	.5286686
Stddev	.004668	.08070	.0020675	.0001992	.11053	.0025039	.0003588
%RSD	.2649890	.1397170	.2728041	.2578614	.5535711	.2947160	.0678735

#1	1.762375	57.79621	.7555740	.0774195	19.84221	.8508716	.5287329
#2	1.766095	57.66706	.7596015	.0773220	20.00366	.8467263	.5282820
#3	1.756819	57.81546	.7583986	.0770362	20.05371	.8512323	.5289909

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.71379	.7296779	.3801209	.6785899	4.341570	4.257178	11.48010
Stddev	.10069	.0016070	.0011270	.0016274	.013357	.025486	.06569
%RSD	.4246134	.2202344	.2964883	.2398246	.3076521	.5986569	.5722124

#1	23.60177	.7278914	.3788241	.6767452	4.356928	4.228150	11.40428
#2	23.79676	.7301365	.3808637	.6792018	4.335116	4.267502	11.51982
#3	23.74285	.7310057	.3806749	.6798226	4.332666	4.275882	11.51621

Sample Name: Q2458-03MS Acquired: 7/3/2025 16:46:21 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.8703379	.3630540	.2063996
Stddev	.0051843	.0028810	.0007799
%RSD	.5956677	.7935551	.3778513

#1	.8673987	.3650807	.2072777
#2	.8763239	.3643253	.2061334
#3	.8672910	.3597560	.2057877

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4743.711	68290.63	9576.256	4543.815	6042.119
Stddev	15.307	289.74	32.527	6.750	24.449
%RSD	.3226792	.4242759	.3396580	.1485443	.4046387

#1	4761.328	68573.86	9541.717	4537.221	6070.348
#2	4736.138	68303.24	9606.302	4550.711	6027.723
#3	4733.666	67994.79	9580.750	4543.514	6028.287

Sample Name: Q2458-03MSD Acquired: 7/3/2025 16:50:18 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7934639	2.005106	1.077705	1.953378	.3427369	135.2052	.3785832
Stddev	.0034472	.017110	.001396	.004044	.0015405	.2667	.0011842
%RSD	.4344432	.8533067	.1295007	.2070086	.4494756	.1972881	.3127911

#1	.7948748	1.991427	1.078810	1.958003	.3415570	135.4817	.3791782
#2	.7959818	2.024290	1.078168	1.951617	.3421739	135.1844	.3772195
#3	.7895351	1.999600	1.076136	1.950513	.3444797	134.9495	.3793518

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1651536	.1825510	67.42294	.6052637	.3433490	2.066324	266.0584
Stddev	.0002558	.0001904	.09432	.0042787	.0004137	.001661	1.7265
%RSD	.1549120	.1042823	.1398979	.7069223	.1204872	.0803685	.6489191

#1	.1648956	.1824191	67.44859	.6084292	.3432683	2.067101	267.9704
#2	.1654072	.1827692	67.31845	.6069661	.3437971	2.067453	265.5916
#3	.1651580	.1824646	67.50179	.6003958	.3429816	2.064417	264.6134

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.024845	69.06229	.8192684	.0808215	22.90638	.9055125	.6429466
Stddev	.008368	.09481	.0016312	.0007959	.16890	.0049775	.0065047
%RSD	.4132859	.1372747	.1991018	.9847223	.7373341	.5496937	1.011700

#1	2.033233	68.95980	.8205813	.0817403	23.08259	.9064757	.6497576
#2	2.024808	69.14684	.8197815	.0803437	22.89065	.9001238	.6422832
#3	2.016496	69.08024	.8174423	.0803806	22.74590	.9099381	.6367990

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.19317	.8295284	.3850601	.6858626	4.510210	4.199894	12.18242
Stddev	.18427	.0058620	.0002336	.0007094	.009427	.049264	.01278
%RSD	.7034928	.7066711	.0606601	.1034374	.2090133	1.172973	.1049222

#1	26.36573	.8362386	.3849589	.6862139	4.519277	4.256766	12.16778
#2	26.21468	.8269439	.3853272	.6850461	4.500460	4.172480	12.18810
#3	25.99908	.8254027	.3848941	.6863279	4.510893	4.170435	12.19137

Sample Name: Q2458-03MSD Acquired: 7/3/2025 16:50:18 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.192043	.3960006	.2359851
Stddev	.008764	.0016537	.0004982
%RSD	.7351756	.4175967	.2111095

#1	1.182123	.3955758	.2359767
#2	1.198736	.3946007	.2364875
#3	1.195270	.3978252	.2354912

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4656.446	65609.56	9587.486	4425.454	5905.186
Stddev	6.654	431.33	8.923	35.562	10.502
%RSD	.1429019	.6574262	.0930694	.8035774	.1778470

#1	4655.627	65219.83	9592.920	4389.858	5898.132
#2	4650.240	65535.84	9577.188	4425.521	5900.171
#3	4663.472	66073.00	9592.351	4460.982	5917.256

Sample Name: Q2458-03A Acquired: 7/3/2025 16:54:14 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8129221	2.088513	1.063079	2.018657	.8132275	80.96691	.3164076
Stddev	.0017044	.006117	.003452	.009484	.0025277	.08972	.0004414
%RSD	.2096650	.2928798	.3247576	.4698356	.3108195	.1108150	.1395016

#1	.8109542	2.084171	1.059506	2.007894	.8105528	81.07014	.3164738
#2	.8138856	2.085860	1.066397	2.022283	.8155766	80.90766	.3168122
#3	.8139265	2.095509	1.063334	2.025792	.8135531	80.92294	.3159369

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1674507	.1878973	38.88713	.5307392	.2861983	1.156141	183.7636
Stddev	.0008866	.0009185	.01020	.0007891	.0013733	.005128	.5464
%RSD	.5294484	.4888506	.0262176	.1486825	.4798412	.4435120	.2973131

#1	.1664624	.1868554	38.89664	.5301763	.2846495	1.150543	184.0796
#2	.1681760	.1885903	38.88839	.5304000	.2866781	1.157271	183.1328
#3	.1677138	.1882461	38.87637	.5316412	.2872674	1.160611	184.0786

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.438711	43.44108	.6885126	.0773476	14.35330	.6418629	.4483512
Stddev	.003859	.13942	.0029798	.0003893	.07617	.0023569	.0015613
%RSD	.2681996	.3209481	.4327922	.5032657	.5306958	.3671924	.3482219

#1	1.435053	43.28009	.6851031	.0771586	14.43301	.6445617	.4478431
#2	1.438336	43.52240	.6906184	.0770888	14.28124	.6408170	.4471073
#3	1.442743	43.52075	.6898164	.0777952	14.34564	.6402099	.4501033

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.91497	.6351674	.4015990	.7137742	2.410957	3.964536	10.86526
Stddev	.04544	.0015961	.0014706	.0019604	.004852	.016155	.05228
%RSD	.2281586	.2512929	.3661757	.2746563	.2012510	.4074921	.4811755

#1	19.93376	.6340669	.3999656	.7117211	2.416554	3.977920	10.80846
#2	19.86315	.6344373	.4020138	.7139750	2.408388	3.946590	10.87595
#3	19.94799	.6369980	.4028176	.7156265	2.407930	3.969096	10.91137

Sample Name: Q2458-03A Acquired: 7/3/2025 16:54:14 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6608776	.3384717	.1667798
Stddev	.0030346	.0009635	.0005267
%RSD	.4591759	.2846628	.3158173

#1	.6610420	.3394099	.1673875
#2	.6638266	.3374848	.1664964
#3	.6577641	.3385205	.1664554

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4645.729	66123.63	9502.803	4463.604	6010.823
Stddev	18.170	95.52	35.598	13.805	18.470
%RSD	.3911176	.1444529	.3746035	.3092818	.3072821

#1	4663.049	66134.33	9537.513	4466.288	6031.287
#2	4647.325	66213.35	9466.379	4475.870	6005.796
#3	4626.813	66023.21	9504.518	4448.654	5995.387

Sample Name: CCV04 Acquired: 7/3/2025 16:58:10 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.049029	5.263530	4.800455	5.206714	5.142389	9.522976
Stddev	.014769	.073963	.002116	.018502	.015329	.026870
%RSD	.2925103	1.405193	.0440886	.3553530	.2980926	.2821546

#1	5.035903	5.182582	4.798083	5.187714	5.132851	9.492242
#2	5.065021	5.327585	4.802150	5.207753	5.134245	9.534657
#3	5.046164	5.280425	4.801132	5.224675	5.160071	9.542027

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.296891	.2446805	2.437014	23.63414	.9469028	2.435697
Stddev	.024432	.0006818	.001120	.03952	.0023742	.002144
%RSD	.2627923	.2786587	.0459473	.1672196	.2507331	.0880400

#1	9.325062	.2439048	2.435771	23.58970	.9496199	2.434897
#2	9.281490	.2449515	2.437944	23.66534	.9452280	2.434067
#3	9.284123	.2451851	2.437328	23.64740	.9458606	2.438126

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.239360	4.965952	2.436189	23.12685	2.443699	1.210522
Stddev	.002122	.030774	.005546	.10129	.002108	.003610
%RSD	.1712107	.6196945	.2276444	.4379861	.0862765	.2981874

#1	1.237315	5.001480	2.429821	23.00991	2.442620	1.214689
#2	1.239215	4.947599	2.438792	23.18335	2.442348	1.208543
#3	1.241551	4.948778	2.439955	23.18730	2.446128	1.208335

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.12770	2.340095	2.486894	25.18466	F 4.277237	5.013288
Stddev	.13589	.008763	.006229	.15314	.015945	.006694
%RSD	.5201082	.3744568	.2504534	.6080667	.3727800	.1335268

#1	26.28272	2.330018	2.488716	25.30813	4.258880	5.006052
#2	26.07123	2.344343	2.492008	25.23255	4.285189	5.014554
#3	26.02915	2.345924	2.479958	25.01330	4.287641	5.019259

Sample Name: CCV04 Acquired: 7/3/2025 16:58:10 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.928503	4.697767	5.096464	4.758729	5.045437	4.768549
Stddev	.007718	.014096	.011309	.013685	.022770	.008293
%RSD	.1566020	.3000546	.2218948	.2875813	.4513050	.1739104

#1	4.925349	4.682054	5.106103	4.745444	5.019309	4.761098
#2	4.937298	4.709300	5.084015	4.772782	5.055954	4.777484
#3	4.922861	4.701948	5.099273	4.757960	5.061047	4.767064

Elem	Sr4077
Units	ppm
Avg	5.007973
Stddev	.034451
%RSD	.6879222

#1	5.030119
#2	5.025520
#3	4.968281

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4505.483	62416.11	8773.783	4233.897	6113.376
Stddev	1.070	194.00	32.995	3.737	3.328
%RSD	.0237571	.3108122	.3760627	.0882605	.0544310

#1	4504.508	62204.42	8807.425	4232.421	6114.204
#2	4505.312	62585.39	8772.450	4231.123	6109.712
#3	4506.628	62458.52	8741.476	4238.146	6116.211

Sample Name: CCB04 Acquired: 7/3/2025 17:02:21 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002700	-.000199	-.002093	.0032182	-.001546	-.014770	-.027287
Stddev	.002185	.000216	.000264	.0015624	.001302	.008486	.001772
%RSD	80.91197	108.4712	12.58943	48.54964	84.24276	57.45246	6.492827

#1	-.001405	.000013	-.001847	.0019279	-.001682	-.022257	-.025912
#2	-.001473	-.000191	-.002371	.0027713	-.000181	-.005553	-.026662
#3	-.005223	-.000418	-.002061	.0049553	-.002774	-.016499	-.029286

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000157	-.000875	-.015854	-.000410	-.001299	-.000627	-.001840
Stddev	.000039	.000038	.014593	.000105	.000120	.000202	.005630
%RSD	24.85210	4.368748	92.04693	25.68968	9.209288	32.27841	305.9713

#1	-.000193	-.000831	-.031208	-.000531	-.001161	-.000857	.004632
#2	-.000163	-.000890	-.002164	-.000357	-.001374	-.000550	-.004544
#3	-.000116	-.000903	-.014190	-.000341	-.001361	-.000474	-.005609

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001161	-.019231	-.000693	.0000143	.0714281	-.001660	.0129155
Stddev	.000144	.014998	.000157	.0002199	.0064625	.001847	.0001522
%RSD	12.38448	77.98548	22.70086	1536.327	9.047576	111.3115	1.178800

#1	-.001206	-.035571	-.000748	.0001533	.0685042	-.003676	.0130524
#2	-.001276	-.016031	-.000815	-.000239	.0788358	-.001255	.0127516
#3	-.001000	-.006092	-.000515	.000129	.0669442	-.000048	.0129425

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1795265	-.000529	-.001711	.0006139	-.001618	-.003889	-.000173
Stddev	.0343782	.000252	.000316	.0006823	.000510	.007471	.001411
%RSD	19.14937	47.75166	18.47135	111.1392	31.55852	192.1121	816.7168

#1	.2048085	-.000287	-.001355	.0008201	-.001466	-.012476	.001362
#2	.1933897	-.000790	-.001959	-.000148	-.001200	-.000313	-.000467
#3	.1403812	-.000509	-.001818	.001169	-.002187	.001122	-.001414

Sample Name: CCB04 Acquired: 7/3/2025 17:02:21 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0092997	.0081858	-.003311
Stddev	.0016579	.0005344	.000057
%RSD	17.82759	6.528735	1.717112

#1	.0089240	.0087916	-.003375
#2	.0078619	.0079852	-.003294
#3	.0111133	.0077808	-.003265

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4673.029	63482.78	8985.867	4348.022	6569.672
Stddev	25.040	190.33	46.739	13.239	38.335
%RSD	.5358452	.2998205	.5201406	.3044717	.5835141

#1	4685.180	63320.46	8996.735	4332.738	6585.721
#2	4689.675	63692.27	8934.651	4355.890	6597.373
#3	4644.231	63435.62	9026.215	4355.439	6525.921

Sample Name: Q2465-04DLX5 Acquired: 7/3/2025 17:06:39 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053679	.0231225	.2484947	.0291585	.0384064	7.062721
Stddev	.0018768	.0015365	.0024386	.0037745	.0018719	.020928
%RSD	34.96401	6.644926	.9813612	12.94490	4.873947	.2963105

#1	.0033117	.0231772	.2461233	.0268882	.0381008	7.069052
#2	.0058030	.0246309	.2483653	.0335157	.0367061	7.039359
#3	.0069889	.0215594	.2509954	.0270717	.0404124	7.079753

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3358004	.0010468	-.000564	144.3202	.0734665	.0312566
Stddev	.0008843	.0000466	.000101	.1805	.0002235	.0002224
%RSD	.2633294	4.449171	17.86358	.1250895	.3042672	.7116568

#1	.3365917	.0010937	-.000646	144.5232	.0737073	.0314377
#2	.3348459	.0010462	-.000595	144.2593	.0734268	.0310083
#3	.3359637	.0010005	-.000452	144.1779	.0732655	.0313239

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7967563	69.29605	1.207787	11.53518	.1249326	.0042454
Stddev	.0013566	.28787	.001079	.02356	.0001998	.0006170
%RSD	.1702641	.4154242	.0893528	.2042862	.1598926	14.53280

#1	.7951974	69.25430	1.206657	11.55044	.1247026	.0048452
#2	.7974029	69.03133	1.207899	11.50804	.1250327	.0036126
#3	.7976687	69.60252	1.208806	11.54705	.1250626	.0042782

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	520.8430	.0255524	5.610640	137.6964	1.771827	1.929811
Stddev	8.2528	.0026121	.002780	.6697	.003582	.005236
%RSD	1.584510	10.22259	.0495526	.4863301	.2021374	.2713426

#1	526.0551	.0233746	5.613740	138.4114	1.774140	1.926331
#2	525.1459	.0248340	5.608367	137.5939	1.773640	1.927269
#3	511.3280	.0284485	5.609812	137.0839	1.767702	1.935833

Sample Name: Q2465-04DLX5 Acquired: 7/3/2025 17:06:39 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0771431	.2313079	F 33.86731	F 22.77311	19.33785	.1775228
Stddev	.0010551	.0009203	.12238	.01170	.02218	.0026810
%RSD	1.367671	.3978625	.3613553	.0513673	.1147001	1.510209

#1	.0772018	.2322373	33.77482	22.76044	19.31555	.1747962
#2	.0760598	.2303970	33.82102	22.78351	19.35991	.1776166
#3	.0781675	.2312893	34.00608	22.77538	19.33807	.1801557

Elem	Sr4077
Units	ppm
Avg	1.049449
Stddev	.000828
%RSD	.0788923

#1	1.049951
#2	1.048493
#3	1.049902

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4091.151	60013.94	9129.963	3930.789	5434.225
Stddev	4.510	174.46	35.361	6.363	5.380
%RSD	.1102498	.2906956	.3873055	.1618802	.0990003

#1	4088.963	60020.61	9091.652	3923.573	5428.102
#2	4096.339	60184.97	9161.348	3933.199	5436.379
#3	4088.153	59836.25	9136.890	3935.595	5438.195

Sample Name: Q2458-08 Acquired: 7/3/2025 17:10:51 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0913675	-.002743	.5036632	.0943364	.0018064	116.4999	.2848863
Stddev	.0014468	.002410	.0027176	.0050659	.0005180	.1146	.0006996
%RSD	1.583481	87.85441	.5395664	5.370006	28.67658	.0983856	.2455769

#1	.0930015	-.000456	.5005262	.0897799	.0016701	116.4110	.2856499
#2	.0902496	-.005260	.5051630	.0997914	.0023789	116.4594	.2842761
#3	.0908512	-.002513	.5053004	.0934380	.0013701	116.6292	.2847329

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095045	-.013687	87.32740	.2164211	.0655824	.4481477	370.7639
Stddev	.0001318	.000417	.10590	.0007567	.0004644	.0013665	.9343
%RSD	1.386698	3.047920	.1212705	.3496505	.7081712	.3049203	.2519892

#1	.0093724	-.014012	87.23964	.2158447	.0652165	.4467593	371.8384
#2	.0095052	-.013832	87.29754	.2172780	.0661049	.4481927	370.3100
#3	.0096360	-.013216	87.44503	.2161407	.0654258	.4494912	370.1432

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.108056	26.12443	.1190177	.0167027	8.739057	.4745167	.4867342
Stddev	.002571	.14204	.0001493	.0005714	.027115	.0013532	.0023117
%RSD	.2320320	.5437184	.1254410	3.420902	.3102729	.2851656	.4749400

#1	1.105586	26.05404	.1188564	.0169448	8.759394	.4749988	.4885924
#2	1.107866	26.03134	.1191511	.0171132	8.749503	.4729885	.4841455
#3	1.110717	26.28793	.1190454	.0160501	8.708272	.4755628	.4874647

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.768774	.8088613	.0000241	.0339945	1.844028	4.223364	6.023379
Stddev	.034765	.0033638	.0006583	.0006404	.004918	.005137	.027370
%RSD	.4474914	.4158635	2729.424	1.883894	.2667030	.1216296	.4543942

#1	7.804368	.8127422	.0004632	.0343858	1.845672	4.218329	6.016250
#2	7.734903	.8070580	.0003420	.0343423	1.838499	4.223168	6.000279
#3	7.767050	.8067837	-.000733	.0332554	1.847914	4.228597	6.053608

Sample Name: Q2458-08 Acquired: 7/3/2025 17:10:51 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.496694	.1953762	-.021636
Stddev	.008497	.0006136	.001119
%RSD	.3403145	.3140726	5.173325

#1	2.496213	.1956809	-.022906
#2	2.488449	.1946698	-.020790
#3	2.505422	.1957777	-.021213

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4999.940	69473.21	10611.67	4723.889	5915.407
Stddev	5.201	45.41	40.27	19.984	5.733
%RSD	.1040234	.0653574	.3794697	.4230430	.0969209

#1	4998.850	69486.30	10646.50	4710.603	5916.416
#2	5005.599	69422.69	10620.94	4746.871	5920.570
#3	4995.369	69510.63	10567.58	4714.192	5909.237

Sample Name: Q2458-09 Acquired: 7/3/2025 17:14:53 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0701731	.0092371	1.080784	.0975714	.0009475	66.72961	.4183699
Stddev	.0033953	.0021015	.013579	.0010645	.0006541	.22950	.0029121
%RSD	4.838417	22.75094	1.256363	1.090969	69.03537	.3439244	.6960552

#1	.0736201	.0102960	1.079373	.0964464	.0001948	66.58448	.4173917
#2	.0700672	.0105986	1.095013	.0977048	.0013777	66.61015	.4160728
#3	.0668321	.0068168	1.067966	.0985628	.0012701	66.99420	.4216451

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060438	-.015098	34.05897	.1321154	.0242638	.5535857	400.8729
Stddev	.0000702	.000471	.14341	.0006521	.0002663	.0057768	.9132
%RSD	1.161271	3.116948	.4210737	.4935946	1.097654	1.043529	.2278116

#1	.0060069	-.015209	33.97057	.1327322	.0241027	.5523226	401.9274
#2	.0061247	-.014582	33.98190	.1321810	.0245712	.5598896	400.3485
#3	.0059997	-.015504	34.22444	.1314329	.0241173	.5485449	400.3427

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.361908	6.670805	.0642524	.0176685	2.996434	.2974322	.6156099
Stddev	.005435	.018735	.0006939	.0004901	.010092	.0008771	.0028058
%RSD	.3990404	.2808530	1.079903	2.773924	.3368000	.2948858	.4557829

#1	1.359240	6.656753	.0644417	.0180257	3.001905	.2983904	.6188446
#2	1.358323	6.663586	.0648320	.0178700	3.002610	.2966690	.6141517
#3	1.368161	6.692076	.0634836	.0171097	2.984788	.2972372	.6138334

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.712548	.8264926	-.001891	.0373747	.5202245	4.320879	3.457525
Stddev	.019485	.0038075	.000082	.0006374	.0027949	.019593	.038155
%RSD	.2236436	.4606882	4.340115	1.705516	.5372564	.4534581	1.103521

#1	8.715750	.8306595	-.001862	.0374677	.5171324	4.342170	3.473284
#2	8.691660	.8256239	-.001983	.0379606	.5209699	4.316860	3.485275
#3	8.730233	.8231945	-.001827	.0366959	.5225712	4.303607	3.414015

Sample Name: Q2458-09 Acquired: 7/3/2025 17:14:53 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.832117	.2302133	-.088997
Stddev	.026849	.0009656	.001671
%RSD	.9480350	.4194567	1.877464

#1	2.844863	.2308175	-.090486
#2	2.850219	.2290996	-.089315
#3	2.801268	.2307227	-.087190

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5009.938	71045.34	10468.15	4793.136	6139.876
Stddev	44.868	181.57	30.03	10.049	56.669
%RSD	.8955810	.2555690	.2869103	.2096503	.9229708

#1	5025.018	70854.07	10484.66	4782.111	6147.081
#2	4959.472	71066.61	10486.31	4795.518	6079.949
#3	5045.322	71215.33	10433.49	4801.781	6192.598

Sample Name: CCV05 Acquired: 7/3/2025 17:28:30 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.125052	5.283801	4.905711	5.284238	5.236260	9.695367
Stddev	.018159	.019111	.007055	.026846	.017094	.017730
%RSD	.3543250	.3616914	.1438095	.5080463	.3264611	.1828691

#1	5.113452	5.263247	4.913803	5.259654	5.224028	9.697839
#2	5.115726	5.287124	4.900854	5.280175	5.228959	9.711731
#3	5.145980	5.301033	4.902475	5.312884	5.255792	9.676531

Elem	Ba4934	Be2348	Cd2265	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.382919	.2517883	2.488001	24.00205	.9499604	2.487838
Stddev	.200297	.0009986	.002222	.04359	.0018219	.002198
%RSD	2.134703	.3966022	.0893080	.1816049	.1917852	.0883568

#1	9.573070	.2524339	2.490520	24.01599	.9514985	2.489308
#2	9.401863	.2522929	2.486318	24.03697	.9504342	2.485311
#3	9.173822	.2506381	2.487166	23.95320	.9479484	2.488896

Elem	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.263077	4.801469	2.477708	23.42356	2.496486	1.208758
Stddev	.002659	.007694	.003204	.01947	.001466	.002751
%RSD	.2105184	.1602391	.1293334	.0831161	.0587061	.2275512

#1	1.263751	4.795151	2.481233	23.42968	2.496504	1.211904
#2	1.260146	4.799219	2.476918	23.40176	2.495012	1.207568
#3	1.265334	4.810037	2.474972	23.43923	2.497943	1.206804

Elem	Na5895	V_2924	Zn2138	K_7664	B_2496	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.01464	2.376002	2.482700	24.22341	F 4.456225	5.119356
Stddev	.04069	.008229	.007153	.05617	.022779	.010095
%RSD	.1626805	.3463174	.2881334	.2318660	.5111661	.1972016

#1	25.02585	2.382656	2.480492	24.26949	4.474975	5.118666
#2	25.04856	2.378549	2.490697	24.23989	4.462826	5.109623
#3	24.96952	2.366801	2.476911	24.16084	4.430875	5.129778

Sample Name: CCV05 Acquired: 7/3/2025 17:28:30 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCV05 Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Ti3361	Si2881	P_1774	S_1820	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.031362	4.757670	4.908718	4.998635	5.119522	4.859136
Stddev	.007006	.014275	.018473	.011214	.023615	.007274
%RSD	.1392460	.3000393	.3763339	.2243378	.4612693	.1496882

#1	5.038486	4.752619	4.928474	5.009294	5.095752	4.862561
#2	5.024480	4.773783	4.891873	4.986939	5.119834	4.864065
#3	5.031121	4.746607	4.905807	4.999672	5.142979	4.850782

Elem	Sr4077
Units	ppm
Avg	5.123821
Stddev	.087403
%RSD	1.705809

#1	5.153551
#2	5.192480
#3	5.025431

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4410.882	63975.53	8518.314	4261.320	5988.811
Stddev	7.963	136.66	27.330	12.775	5.079
%RSD	.1805284	.2136097	.3208376	.2997962	.0848032

#1	4409.609	63817.76	8490.275	4264.226	5986.895
#2	4419.404	64051.57	8519.791	4247.342	5994.569
#3	4403.632	64057.25	8544.875	4272.392	5984.969

Sample Name: CCB05 Acquired: 7/3/2025 17:32:42 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002706	-.002001	-.001907	.0018278	-.001689	-.021555	-.028441
Stddev	.001547	.000869	.001312	.0005784	.000280	.004099	.002045
%RSD	57.18513	43.45160	68.80453	31.64469	16.57142	19.01769	7.190081

#1	-.003900	-.001005	-.000603	.0017341	-.001738	-.023074	-.030800
#2	-.003258	-.002610	-.003228	.0024474	-.001387	-.016913	-.027357
#3	-.000958	-.002388	-.001891	.0013020	-.001940	-.024677	-.027166

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000160	-.000857	-.035907	-.000467	-.001245	-.001164	-.006323
Stddev	.000059	.000000	.008077	.000250	.000193	.000033	.002570
%RSD	36.95476	.0255655	22.49385	53.56750	15.51808	2.857708	40.65373

#1	-.000160	-.000857	-.038064	-.000423	-.001068	-.001189	-.003416
#2	-.000218	-.000857	-.042686	-.000737	-.001451	-.001177	-.007259
#3	-.000100	-.000857	-.026971	-.000242	-.001216	-.001126	-.008294

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001303	-.031445	-.000951	-.000225	.0679958	-.003576	-.001093
Stddev	.000078	.008034	.000350	.000166	.0192670	.002396	.000112
%RSD	5.984310	25.54841	36.77913	73.65701	28.33558	66.99709	10.26592

#1	-.001338	-.023283	-.001331	-.000190	.0561344	-.002834	-.001216
#2	-.001358	-.031707	-.000879	-.000080	.0902268	-.001639	-.000997
#3	-.001214	-.039344	-.000643	-.000405	.0576264	-.006255	-.001065

Elem	K_7664	B_2496	Mo2020	Sn1899	Ti3361	Si2881	P_1774
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1278000	-.001995	-.001772	.0069479	-.002810	-.011775	-.002234
Stddev	.0151419	.000529	.000317	.0005898	.000419	.004868	.001402
%RSD	11.84811	26.52378	17.92024	8.488925	14.90602	41.34593	62.76766

#1	.1451666	-.001915	-.001406	.0075778	-.002348	-.016388	-.002331
#2	.1208705	-.002560	-.001933	.0068572	-.002915	-.012250	-.000786
#3	.1173628	-.001511	-.001976	.0064087	-.003166	-.006686	-.003585

Sample Name: CCB05 Acquired: 7/3/2025 17:32:42 Type: Unk
Method: 6010-200.7 NEW(v26) Mode: CONC Corr. Factor: 1.000000
User: Jaswal Custom ID1: CCB05 Custom ID2: Custom ID3:
Comment:

Elem	S_1820	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000059	.0061464	-.003452
Stddev	.002637	.0023899	.000044
%RSD	4480.630	38.88251	1.272963

#1	.002489	.0066640	-.003403
#2	-.002777	.0082350	-.003466
#3	.000112	.0035401	-.003487

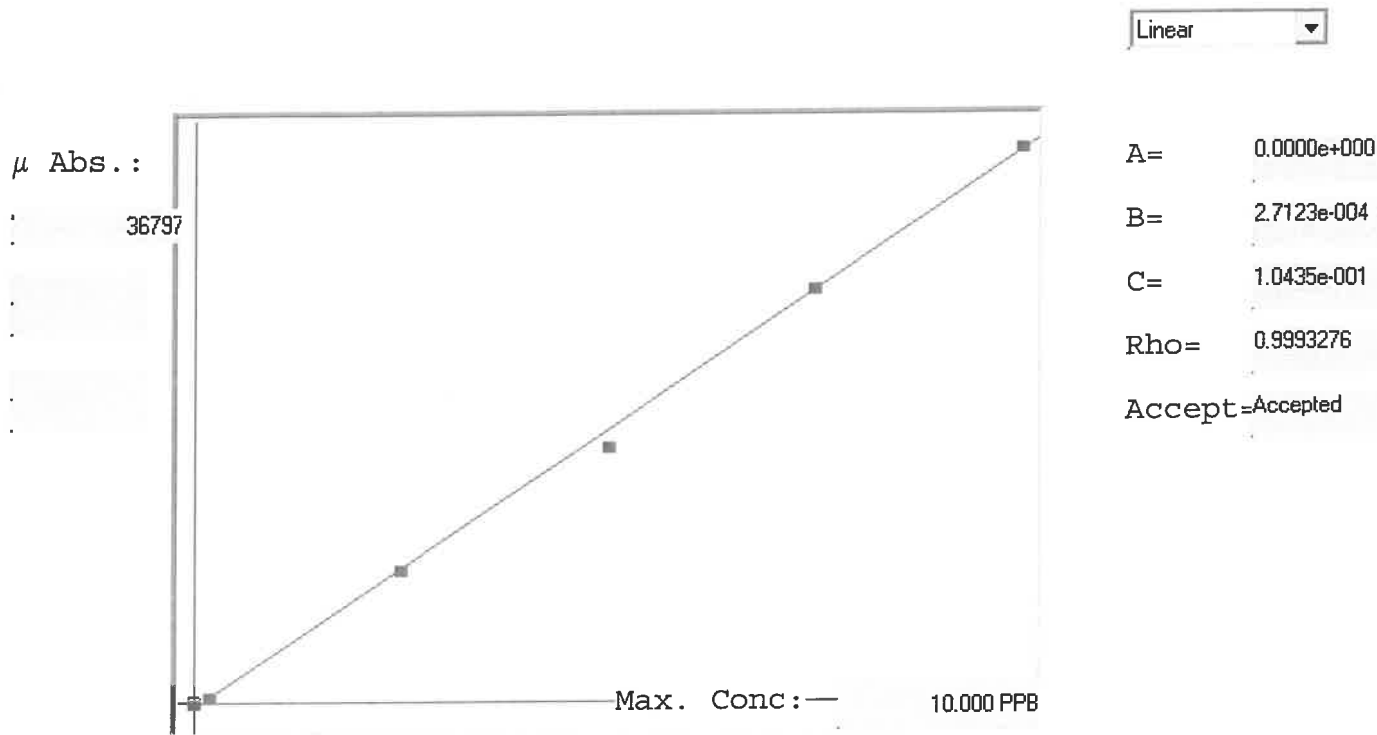
Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4613.007	62964.89	9083.802	4308.795	6531.878
Stddev	8.474	79.61	13.112	5.589	15.171
%RSD	.1836877	.1264281	.1443454	.1297202	.2322650

#1	4603.222	62925.72	9075.899	4306.902	6515.007
#2	4617.919	63056.49	9076.569	4304.398	6536.227
#3	4617.879	62912.45	9098.938	4315.085	6544.399

LB136337

7470A

INSTRUMENT ID: CV1



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	%RSD
0.0	0.000	0.094	0.094	-38	0.000	-38	0				18
0.2	0.200	0.236	0.036	487	0.0 %	487					0.1
2.5	2.500	2.519	0.019	8901	0.0 %	8901					6
5.0	5.000	4.703	-0.297	16955	0.0 %	16955					1
7.5	7.500	7.563	0.063	27499	0.0 %	27499					
10.0	10.000	10.085	0.085	36797	0.0 %	36797					

LB136337 INSTRUMENT ID : CV1

Method: 7470A

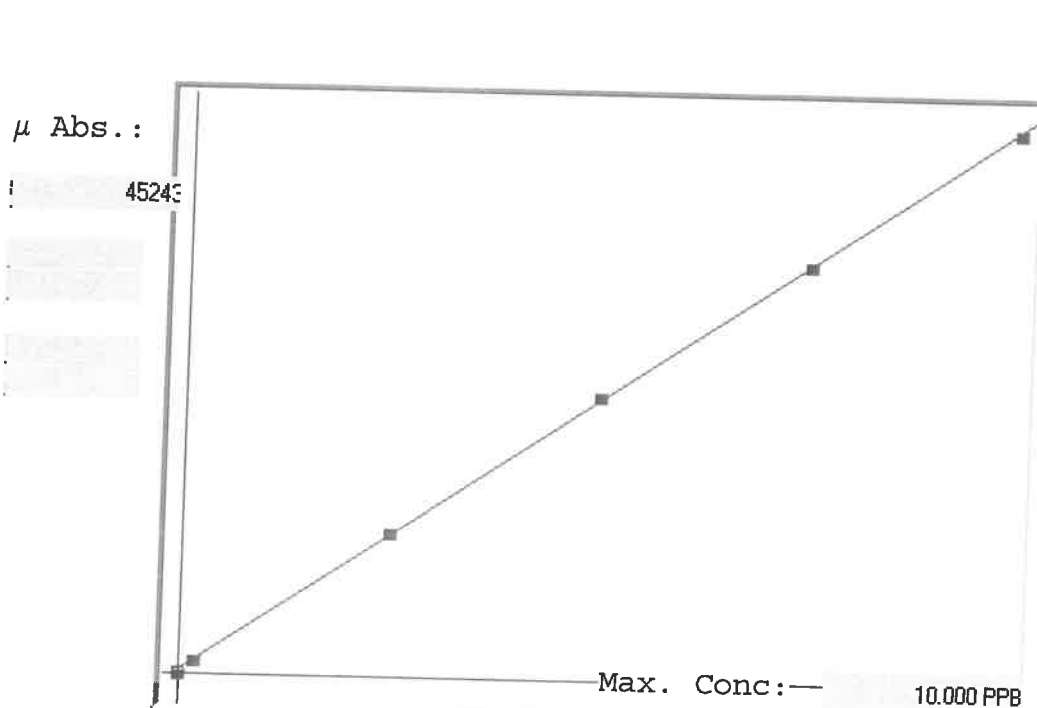
Operator: Admin

Date of Analysis: 01 Jul 2025 11:11:18

Type	Sample ID	Extended ID	Conc.	μ Abs.	Units	Std Conc	Date	Method
S	0.0 - 1	50	-	-38	PPB	0.0000	01 Jul 2025 11:19:00	7470A
S	0.2 - 1	50.2	-	0	PPB	0.2000	01 Jul 2025 11:21:17	7470A
S	0.2 - 1	52.5	-	487	PPB	0.2000	01 Jul 2025 11:23:26	7470A
S	2.5 - 1	55	-	8901	PPB	2.5000	01 Jul 2025 11:25:43	7470A
S	5.0 - 1	59.5	-	16955	PPB	5.0000	01 Jul 2025 11:28:00	7470A
S	7.5 - 1	514	-	27499	PPB	7.5000	01 Jul 2025 11:30:17	7470A
S	10.0 - 1		-	36797	PPB	10.0000	01 Jul 2025 11:32:35	7470A
U	ICV13 - 1	ICV13	3.9656	14236	PPB		01 Jul 2025 11:43:02	7470A
U	ICB13 - 1	ICB13	0.0553	-181	PPB		01 Jul 2025 11:45:17	7470A
U	CCV40 - 1	CCV40	4.5922	16546	PPB		01 Jul 2025 11:47:34	7470A
U	CCB40 - 1	CCB40	0.0436	-224	PPB		01 Jul 2025 11:49:49	7470A
U	CRA - 1	CRA	0.2229	437	PPB		01 Jul 2025 11:52:06	7470A
U	HighStd - 1	HighStd	9.6851	35323	PPB		01 Jul 2025 11:54:22	7470A
U	ChkStd - 1	ChkStd	6.7862	24635	PPB		01 Jul 2025 11:56:37	7470A
U	PB168670BL - 1	PBW	-0.0185	-453	PPB		01 Jul 2025 11:58:56	7470A
U	PB168670BS - 1	LCSW	4.0125	14409	PPB		01 Jul 2025 12:01:14	7470A
U	Q2414-04 - 1	WC-1	0.0431	-226	PPB		01 Jul 2025 12:03:31	7470A
U	Q2415-04 - 1	WC-1	0.1008	-13	PPB		01 Jul 2025 12:05:50	7470A
U	Q2416-04 - 1	MH-G/H	0.1057	5	PPB		01 Jul 2025 12:08:07	7470A
U	Q2420-02 - 1	72-11933	0.1087	16	PPB		01 Jul 2025 12:10:24	7470A
U	Q2429-04 - 1	TP-4	0.1084	15	PPB		01 Jul 2025 12:12:39	7470A
U	CCV41 - 1	CCV41	4.5691	16461	PPB		01 Jul 2025 12:17:39	7470A
U	CCB41 - 1	CCB41	0.0357	-253	PPB		01 Jul 2025 12:19:54	7470A
U	Q2430-04 - 1	MH-E/F	0.1006	-14	PPB		01 Jul 2025 12:22:13	7470A
U	Q2430-04DUP - 1	MH-E/FDUP	0.1046	1	PPB		01 Jul 2025 12:24:28	7470A
U	Q2430-04MS - 1	MH-E/FMS	3.7885	13583	PPB		01 Jul 2025 12:26:43	7470A
U	Q2430-04MSD - 1	MH-E/FMSD	4.0003	14364	PPB		01 Jul 2025 12:28:59	7470A
U	PB168683BL - 1	PBW	0.0544	-184	PPB		01 Jul 2025 12:31:16	7470A
U	PB168683BS - 1	LCSW	3.9708	14255	PPB		01 Jul 2025 12:33:35	7470A
U	Q2458-10 - 1	FB-06272025	0.0547	-183	PPB		01 Jul 2025 12:35:51	7470A
U	Q2463-01 - 1	TW-WTS-11	0.1882	309	PPB		01 Jul 2025 12:38:10	7470A
U	Q2463-01DUP - 1	TW-WTS-11DUP	0.1827	289	PPB		01 Jul 2025 12:40:27	7470A
U	Q2463-01MS - 1	TW-WTS-11MS	3.2371	11550	PPB		01 Jul 2025 12:42:43	7470A
U	CCV42 - 1	CCV42	4.6559	16781	PPB		01 Jul 2025 12:47:41	7470A
U	CCB42 - 1	CCB42	0.0303	-273	PPB		01 Jul 2025 12:49:57	7470A
U	Q2463-01MSD - 1	TW-WTS-11MSD	3.8802	13921	PPB		01 Jul 2025 12:52:15	7470A
U	Q2465-04 - 1	62025-ABC	2.7920	9909	PPB		01 Jul 2025 12:54:31	7470A
U	PB168626TB - 1	PB168626TB	0.0148	-330	PPB		01 Jul 2025 12:56:49	7470A
U	Q2430-04LX5 - 1		0.0989	-20	PPB		01 Jul 2025 12:59:07	7470A
U	Q2430-04A - 1		3.6721	13154	PPB		01 Jul 2025 13:01:22	7470A
U	Q2463-01LX5 - 1		0.0791	-93	PPB		01 Jul 2025 13:03:39	7470A
U	Q2463-01A - 1		3.7790	13548	PPB		01 Jul 2025 13:05:57	7470A
U	CCV43 - 1	CCV43	4.9534	17878	PPB		01 Jul 2025 13:10:53	7470A
U	CCB43 - 1	CCB43	0.0414	-232	PPB		01 Jul 2025 13:13:11	7470A

LB-136352

7471B INSTRUMENT ID - CV1



Linear

A= 0.0000e+000

B= 2.2140e-004

C= -6.4018e-002

Rho= 0.9999100

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	% D
0.0	0.000	-0.061	-0.061	13	0.000	13					0
0.2	0.200	0.189	-0.011	1145	0.0 %	1145					1
2.5	2.500	2.546	0.046	11790	0.0 %	11790					-6
5.0	5.000	5.080	0.080	23235	0.0 %	23235					2
7.5	7.500	7.492	-0.008	34130	0.0 %	34130					2
10.0	10.000	9.953	-0.047	45243	0.0 %	45243					0

LB136352 INSTRUMENT ID: CV1

Method: 7471B

Operator: Admin

Date of Analysis: 02 Jul 2025 09:59:20

Type	Sample ID	Extended ID	Conc.	μ Abs.	Units	Type	Std Conc	Method	Date
S	0.0 - 1	50	-	13	PPB	Std	0.0000	7471B	02 Jul 2025 10:09:13
S	0.2 - 1	50.2	-	1145	PPB	Std	0.2000	7471B	02 Jul 2025 10:11:30
S	2.5 - 1	52.5	-	11790	PPB	Std	2.5000	7471B	02 Jul 2025 10:13:47
S	5.0 - 1	55.0	-	23235	PPB	Std	5.0000	7471B	02 Jul 2025 10:16:03
S	7.5 - 1	57.5	-	34130	PPB	Std	7.5000	7471B	02 Jul 2025 10:18:22
S	10.0 - 1	510	-	45243	PPB	Std	10.0000	7471B	02 Jul 2025 10:20:43
U	ICV14 - 1	ICV14	4.1404	18990	PPB	SMPL	-7471B		02 Jul 2025 10:33:37
U	ICB14 - 1	ICB14	-0.0565	34	PPB	SMPL	-7471B		02 Jul 2025 10:38:56
U	CCV44 - 1	CCV44	4.9682	22729	PPB	SMPL	-7471B		02 Jul 2025 10:44:18
U	CCB44 - 1	CCB44	-0.0908	-121	PPB	SMPL	-7471B		02 Jul 2025 10:49:44
U	CRA - 1	CRA	0.1924	1158	PPB	SMPL	-7471B		02 Jul 2025 10:54:36
U	HighStd - 1	HighStd	9.4717	43070	PPB	SMPL	-7471B		02 Jul 2025 11:03:23
U	ChkStd - 1	ChkStd	6.4604	29469	PPB	SMPL	-7471B		02 Jul 2025 11:08:48
U	PB168688BL - 1	PBS	-0.0994	-160	PPB	SMPL	-7471B		02 Jul 2025 11:12:06
U	PB168688BS - 1	LCSS	3.6121	16604	PPB	SMPL	-7471B		02 Jul 2025 11:14:23
U	Q2449-01 - 1	RBR200032	-0.0525	52	PPB	SMPL	-7471B		02 Jul 2025 11:16:40
U	Q2450-01 - 1	PL-2-062725	0.5451	2751	PPB	SMPL	-7471B		02 Jul 2025 11:19:00
U	Q2457-01 - 1	OK-2-062725	0.3389	1820	PPB	SMPL	-7471B		02 Jul 2025 11:21:17
U	Q2458-01 - 1	TP-76	0.1397	920	PPB	SMPL	-7471B		02 Jul 2025 11:23:33
U	Q2458-02 - 1	TP-55	0.1107	789	PPB	SMPL	-7471B		02 Jul 2025 11:25:49
U	CCV45 - 1	CCV45	4.5635	20901	PPB	SMPL	-7471B		02 Jul 2025 11:35:03
U	CCB45 - 1	CCB45	-0.0496	65	PPB	SMPL	-7471B		02 Jul 2025 11:40:23
U	Q2458-03 - 1	TP-68	0.7693	3764	PPB	SMPL	-7471B		02 Jul 2025 11:42:40
U	Q2458-04 - 1	TP-67	0.2240	1301	PPB	SMPL	-7471B		02 Jul 2025 11:44:55
U	Q2458-05 - 1	TP-66	0.2329	1341	PPB	SMPL	-7471B		02 Jul 2025 11:47:13
U	Q2458-06 - 1	TP-60	0.5470	2760	PPB	SMPL	-7471B		02 Jul 2025 11:49:28
U	Q2458-07 - 1	TP-62	0.3646	1936	PPB	SMPL	-7471B		02 Jul 2025 11:51:44
U	Q2458-08 - 1	TP-63	0.5464	2757	PPB	SMPL	-7471B		02 Jul 2025 11:54:01
U	Q2458-09 - 1	TP-59	1.0259	4923	PPB	SMPL	-7471B		02 Jul 2025 11:56:18
U	Q2459-01 - 1	TP-1	1.5347	7221	PPB	SMPL	-7471B		02 Jul 2025 11:58:38
U	Q2464-01 - 1	OR-3-063025	0.3916	2058	PPB	SMPL	-7471B		02 Jul 2025 12:00:58
U	Q2469-01 - 1	WC-1	3.6726	16877	PPB	SMPL	-7471B		02 Jul 2025 12:03:18
U	CCV46 - 1	CCV46	4.8285	22098	PPB	SMPL	-7471B		02 Jul 2025 12:37:11
U	CCB46 - 1	CCB46	-0.0450	86	PPB	SMPL	-7471B		02 Jul 2025 12:42:20
U	Q2469-01DUP - 1	WC-1DUP	3.6484	16768	PPB	SMPL	-7471B		02 Jul 2025 12:47:57
U	Q2469-01MS - 1	WC-1MS	7.4308	33852	PPB	SMPL	-7471B		02 Jul 2025 12:53:29
U	Q2469-01MSD - 1	WC-1MSD	7.4722	34039	PPB	SMPL	-7471B		02 Jul 2025 12:55:44
U	Q2469-01LX5 - 1		0.4627	2379	PPB	SMPL	-7471B		02 Jul 2025 12:58:06
U	Q2469-01A - 1		7.3113	33312	PPB	SMPL	-7471B		02 Jul 2025 13:09:59
U	CCV47 - 1	CCV47	4.9418	22610	PPB	SMPL	-7471B		02 Jul 2025 13:18:38
U	CCB47 - 1	CCB47	-0.0401	108	PPB	SMPL	-7471B		02 Jul 2025 13:23:45

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 07/01/2025 Time : 10:05 Temp : 96 °C

End Digest Date: 07/01/2025 Time : 13:10 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *SVS*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6007
LFS-2	0.25	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	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/02/25 14:10	<i>SVS.met.dig</i>	<i>SVS Metals Lab</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168677BL	PBW677	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	15
PB168677BS	LCS677	<2	50	25	Colorless	Colorless	Clear	Clear	M6007,M6015	16
Q2458-10	FB-06272025	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	17
Q2463-01	TW-WTS-11	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	18
Q2463-01MS	TW-WTS-11MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6007,M6015	20
Q2463-01MSD	TW-WTS-11MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6007,M6015	21
Q2463-01DUP	TW-WTS-11DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	19
Q2465-04	62025-ABC	<2	50	25	Brown	Colorless	Cloudy	Clear	N/A	22

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB168677 Worklist ID : 190478 Department : Digestion Date : 07-01-2025 09:38:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2458-10	FB-06272025	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	CAMP02	D51	06/27/2025	6010D
Q2463-01	TW-WTS-11	Water	Metals Group4	1:1 HNO3 to pH < 2	ENTA05	A53	06/27/2025	6010D
Q2465-04	62025-ABC	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	A42	06/30/2025	6010D

Date/Time 07/01/25 9:50
 Raw Sample Received by: SKS.mct.dig
 Raw Sample Relinquished by: AKS

Date/Time 07/01/25 10:50
 Raw Sample Received by: AKS
 Raw Sample Relinquished by: SKS.mct.dig

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #3 2. N/A

Start Digest Date: 07/01/2025 Time : 10:10 Temp : 96 °C

End Digest Date: 07/01/2025 Time : 12:11 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: *SKS*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standardized 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	M6170
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 #3 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/01/25 13:11	<i>SKS met dig</i>	<i>[Signature]</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
PB168678BL	PBS678	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB168678BS	LCS678	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6007,M6015	2
Q2458-01	TP-76	N/A	2.18	100	Brown	Yellow	Medium	N/A	N/A	3
Q2458-02	TP-55	N/A	2.47	100	Brown	Yellow	Medium	N/A	N/A	4
Q2458-03	TP-68	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	5
Q2458-03MS	TP-68MS	N/A	2.27	100	Brown	Yellow	Medium	N/A	M6007,M6015	7
Q2458-03MSD	TP-68MSD	N/A	2.41	100	Brown	Yellow	Medium	N/A	M6007,M6015	8
Q2458-03DUP	TP-68DUP	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	6
Q2458-04	TP-67	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	9
Q2458-05	TP-66	N/A	2.10	100	Brown	Yellow	Medium	N/A	N/A	10
Q2458-06	TP-60	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	11
Q2458-07	TP-62	N/A	2.14	100	Brown	Yellow	Medium	N/A	N/A	12
Q2458-08	TP-63	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	13
Q2458-09	TP-59	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	14
Q2459-01	TP-1	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	15
Q2464-01	OR-3-063025	N/A	2.30	100	Brown	Yellow	Medium	N/A	N/A	16
Q2469-01	WC-1	N/A	2.30	100	Brown	Yellow	Medium	N/A	N/A	17

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB168678

Worklist ID : 190479

Department : Digestion

Date : 07-01-2025 09:39:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2458-01	TP-76	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/26/2025	6010D
Q2458-02	TP-55	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/26/2025	6010D
Q2458-03	TP-68	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/27/2025	6010D
Q2458-04	TP-67	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/27/2025	6010D
Q2458-05	TP-66	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/27/2025	6010D
Q2458-06	TP-60	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/27/2025	6010D
Q2458-07	TP-62	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/27/2025	6010D
Q2458-08	TP-63	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/27/2025	6010D
Q2458-09	TP-59	Solid	Metals ICP-TAL	Cool 4 deg C	CAMP02	D51	06/27/2025	6010D
Q2459-01	TP-1	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG03	A51	06/28/2025	6010D
Q2464-01	OR-3-063025	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG05	A21	06/30/2025	6010D
Q2469-01	WC-1	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG03	A61	06/30/2025	6010D

Date/Time

07/01/25

10:05

Raw Sample Received by:

SKS. mch.dlg

Raw Sample Relinquished by:

SKS

Date/Time

07/01/25

11:05

Raw Sample Received by:

SKS. mch.dlg

Raw Sample Relinquished by:

SKS. mch.dlg

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

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

Start Digest Date: 07/01/2025 Time : 08:25
11:25 Temp : 95 °C

End Digest Date: 07/01/2025 Time : 13:30 Temp : 95 °C

Digestion tube ID: M5595 09:30

Block thermometer ID: HG-DIG#1

Dig Technician Signature: *MB*

Supervisor Signature: *12*

Temp : 1. 95°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86246
CCV	30mL	MP86248
CRA	30mL	MP86250
Blank Spike	0.48mL	MP86239
Matrix Spike	0.48mL	MP86239

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
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	MP86240
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86241
2.5 ppb	S2.5	30mL	MP86242
5.0 ppb	S5.0	30mL	MP86243
7.5 ppb	S7.5	30mL	MP86244
10.0 ppb	S10.0	30mL	MP86245
ICV	ICV	30mL	MP86246
ICB	ICB	30mL	MP86247
CCV	CCV	30mL	MP86248
CCB	CCB	30mL	MP86249
CRI	CRI	30mL	MP86250
CHK STD	CHK STD	30mL	MP86251

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/1/25 10:50	MB - Dig. Lab	MB - metal Lab
10:50	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB168683BL	PBW683	30	30	<2	N/A	3-13
PB168683BS	LCS683	30	30	<2	MP86239	14
Q2458-10	FB-06272025	30	30	<2	N/A	15
Q2463-01	TW-WTS-11	30	30	<2	N/A	16
Q2463-01DUP	TW-WTS-11DUP	30	30	<2	N/A	17
Q2463-01MS	TW-WTS-11MS	30	30	<2	MP86239	18
Q2463-01MSD	TW-WTS-11MSD	30	30	<2	MP86239	19
Q2465-04	62025-ABC	30	30	<2	N/A	20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 070125_7470 WorkList ID : 190482 Department : Digestion Date : 07-01-2025 10:03:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2458-10	FB-06272025	Water	Mercury	1:1 HNO3 to pH < 2	CAMP02	D51	06/27/2025	7470A
Q2463-01	TW-WTS-11	Water	Mercury	1:1 HNO3 to pH < 2	ENTA05	A53	06/27/2025	7470A
Q2465-04	62025-ABC	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	A42	06/30/2025	7470A

Date/Time 7/1/25 11:15
 Raw Sample Received by: 003-1924-103
 Raw Sample Relinquished by: 003-1924-103

Date/Time 7/1/25 11:30
 Raw Sample Received by: 003-1924-103
 Raw Sample Relinquished by: 003-1924-103

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: 07/01/2025 Time : 14:10 Temp : 95 °C

End Digest Date: 07/01/2025 Time : 14:45 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *MB*

Supervisor Signature: *h*

Temp : 1. 95°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86246
CCV	30mL	MP86248
CRA	30mL	MP86250
Blank Spike	0.48mL	MP86239
Matrix Spike	0.48mL	MP86239

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP86252
KMnO ₄ (5%)	4.5mL	MP85893
Hydroxylamine HCL (12%)	2.5mL	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
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP86240
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86241
2.5 ppb	S2.5	30mL	MP86242
5.0 ppb	S5.0	30mL	MP86243
7.5 ppb	S7.5	30mL	MP86244
10.0 ppb	S10.0	30mL	MP86245
ICV	ICV	30mL	MP86246
ICB	ICB	30mL	MP86247
CCV	CCV	30mL	MP86248
CCB	CCB	30mL	MP86249
CRI	CRI	30mL	MP86250
CHK STD	CHK STD	30mL	MP86251

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/1/25 @ 16:20	<i>MB - MB</i>	<i>MB - MB</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB168688BL	PBS688	0.54	35	N/A	N/A	3-1
PB168688BS	LCS688	0.56	35	N/A	MP86239	2
Q2449-01	RBR200032	0.56	35	N/A	N/A	3
Q2450-01	PL-2-062725	0.58	35	N/A	N/A	4
Q2457-01	OK-2-062725	0.55	35	N/A	N/A	5
Q2458-01	TP-76	0.56	35	N/A	N/A	6
Q2458-02	TP-55	0.56	35	N/A	N/A	7
Q2458-03	TP-68	0.58	35	N/A	N/A	8
Q2458-04	TP-67	0.55	35	N/A	N/A	9
Q2458-05	TP-66	0.56	35	N/A	N/A	10
Q2458-06	TP-60	0.57	35	N/A	N/A	11
Q2458-07	TP-62	0.55	35	N/A	N/A	12
Q2458-08	TP-63	0.53	35	N/A	N/A	13
Q2458-09	TP-59	0.52	35	N/A	N/A	14
Q2459-01	TP-1	0.51	35	N/A	N/A	15
Q2464-01	OR-3-063025	0.53	35	N/A	N/A	16
Q2469-01	WC-1	0.56	35	N/A	N/A	17
Q2469-01DUP	WC-1DUP	0.51	35	N/A	N/A	18
Q2469-01MS	WC-1MS	0.50	35	N/A	MP86239	19
Q2469-01MSD	WC-1MSD	0.57	35	N/A	MP86239	20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 070125_7471

WorkList ID : 190483

Department : Digestion

Date : 07-01-2025 10:04:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2458-01	TP-76	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/26/2025	7471B
Q2458-02	TP-55	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/26/2025	7471B
Q2458-03	TP-68	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/27/2025	7471B
Q2458-04	TP-67	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/27/2025	7471B
Q2458-05	TP-66	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/27/2025	7471B
Q2458-06	TP-60	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/27/2025	7471B
Q2458-07	TP-62	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/27/2025	7471B
Q2458-08	TP-63	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/27/2025	7471B
Q2458-09	TP-59	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/27/2025	7471B
Q2449-01	RBR200032	Solid	Mercury	Cool 4 deg C	CAMP02	D51	06/27/2025	7471B
Q2459-01	TP-1	Solid	Mercury	Cool 4 deg C	PSEG03	D51	06/27/2025	7471B
Q2469-01	NC-1	Solid	Mercury	Cool 4 deg C	PSEG03	A51	06/28/2025	7471B
Q2450-01	PL-2-062725	Solid	Mercury	Cool 4 deg C	PSEG03	A61	06/30/2025	7471B
Q2457-01	OK-2-062725	Solid	Mercury	Cool 4 deg C	PSEG05	D11	06/27/2025	7471B
Q2464-01	OR-3-063025	Solid	Mercury	Cool 4 deg C	PSEG05	D41	06/27/2025	7471B
					PSEG05	A21	06/30/2025	7471B

Date/Time

7/1/25 13:50

Raw Sample Received by:

MS - 11/11/25

Raw Sample Relinquished by:

MS - 11/11/25

Date/Time

7/1/25 14:30

Raw Sample Received by:

MS - 11/11/25

Raw Sample Relinquished by:

MS - 11/11/25



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 06/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136327

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
Q2451-01	Y2310-0409-1-1	1	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-02	Y2310-0409-1-2	2	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-03	Y2307-0279-1-1	3	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-04	Y2307-0279-1-2	4	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-05	KQA080Z-1-1	5	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-06	KQA080Z-1-2	6	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-07	HIA-925Q-1-1	7	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-08	HIA-925Q-1-2	8	1.00	1.00	2.00	2.00	100.0	PILC
Q2458-01	TP-76	9	1.15	10.84	11.99	10.97	90.6	
Q2458-02	TP-55	10	1.18	10.49	11.67	10.77	91.4	
Q2458-03	TP-68	11	1.18	10.68	11.86	11.04	92.3	
Q2458-04	TP-67	12	1.19	10.16	11.35	10.3	89.7	
Q2458-05	TP-66	13	1.19	10.18	11.37	10.18	88.3	
Q2458-06	TP-60	14	1.15	10.83	11.98	11.17	92.5	
Q2458-07	TP-62	15	1.15	10.84	11.99	11.02	91.1	
Q2458-08	TP-63	16	1.19	10.82	12.01	10.54	86.4	
Q2458-09	TP-59	17	1.15	10.70	11.85	9.35	76.6	
Q2459-01	TP-1	18	1.19	10.74	11.93	10.66	88.2	
Q2459-02	TP-1-EPH	19	1.15	10.88	12.03	10.8	88.7	
Q2459-03	TP-1-VOC	20	1.16	10.83	11.99	10.9	89.9	
Q2459-04	TP-1	21	1.19	10.74	11.93	10.66	88.2	
Q2462-02	60425-A	22	1.15	10.31	11.46	9.96	85.5	
Q2462-03	60425-B	23	1.14	10.66	11.8	7.91	63.5	
Q2462-04	60425-AB	24	1.19	10.57	11.76	9.66	80.1	
Q2462-05	50725	25	1.00	1.00	2.00	2.00	100.0	debris
Q2462-06	61625-A	26	1.12	10.70	11.82	9.5	78.3	
Q2462-07	61625-B	27	1.18	10.37	11.55	8.29	68.6	
Q2462-08	61625-C	28	1.19	10.65	11.84	9.11	74.4	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 06/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136327

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
Q2462-09	61625-ABC	29	1.19	10.56	11.75	9.26	76.4	
Q2462-10	62725	30	1.00	1.00	2.00	2.00	100.0	debris
Q2464-01	OR-3-063025	31	1.12	10.76	11.88	11.57	97.1	
Q2464-02	OR-3-063025-E2	32	1.18	10.50	11.68	11.3	96.4	
Q2466-01	61825	33	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2466-02	62625	34	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2467-01	1A-1B-1C-Fire Stopher Caulk-Red	35	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2469-01	WC-1	36	1.15	10.13	11.28	9.8	85.4	
Q2469-02	WC-1-EPH	37	1.19	10.36	11.55	10.14	86.4	
Q2469-03	WC-1-VOC	38	1.15	10.84	11.99	10.74	88.5	
Q2469-04	WC-1	39	1.15	10.13	11.28	9.8	85.4	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136327

WorkList Name : %1-063025

WorkList ID : 190450

Department : Wet-Chemistry

Date : 06-30-2025 08:06:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2451-01	Y2310-0409-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-02	Y2310-0409-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-03	Y2307-0279-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-04	Y2307-0279-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-05	KQA08OZ-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-06	KQA08OZ-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-07	HIA-925Q-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-08	HIA-925Q-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2458-01	TP-76	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2458-02	TP-55	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2458-03	TP-68	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2458-04	TP-67	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-05	TP-66	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-06	TP-60	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-07	TP-62	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-08	TP-63	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-09	TP-59	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2459-01	TP-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2459-02	TP-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO
Q2459-03	TP-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO
Q2459-04	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO

Date/Time 06/30/25 16:00

Raw Sample Received by: JWC

Raw Sample Relinquished by: JWC

Date/Time 06/30/25

Raw Sample Received by: JWC

Raw Sample Relinquished by: JWC

WORKLIST(Hardcopy Internal Chain)

130327

WorkList Name : %1-063025 WorkList ID : 190450 Department : Wet-Chemistry Date : 06-30-2025 08:06:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2462-02	60425-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-03	60425-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-04	60425-AB	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-05	50725	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-06	61625-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-07	61625-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-08	61625-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-09	60425-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-10	62725	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2464-01	OR-3-063025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A21	06/30/2025	Chemtech -SO
Q2464-02	OR-3-063025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A21	06/30/2025	Chemtech -SO
Q2466-01	61825	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/30/2025	Chemtech -SO
Q2466-02	62625	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/30/2025	Chemtech -SO
Q2467-01	1A-1B-1C-Fire Stopper Caulk-R	Solid	Percent Solids	Cool 4 deg C	ATCE02	A61	06/26/2025	Chemtech -SO
Q2469-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-04	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO

06/30/25 16:00

Date/Time Raw Sample Received by: SP CSM Raw Sample Relinquished by: SP CSM

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136337

Review By	MOHAN	Review On	7/2/2025 7:56:42 AM
Supervise By	jaswal	Supervise On	7/2/2025 4:48:22 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86240,MP86241,MP86242,MP86243,MP86244,MP86245		
ICV Standard	MP86246		
CCV Standard	MP86248		
ICSA Standard			
CRI Standard	MP86250		
LCS Standard			
Chk Standard	MP86247,MP86249,MP86251,MP86253		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/01/25 11:19		MOHAN	OK
2	S0.2	S0.2	CAL2	07/01/25 11:23		MOHAN	OK
3	S2.5	S2.5	CAL3	07/01/25 11:25		MOHAN	OK
4	S5	S5	CAL4	07/01/25 11:28		MOHAN	OK
5	S7.5	S7.5	CAL5	07/01/25 11:30		MOHAN	OK
6	S10	S10	CAL6	07/01/25 11:32		MOHAN	OK
7	ICV13	ICV13	ICV	07/01/25 11:43		MOHAN	OK
8	ICB13	ICB13	ICB	07/01/25 11:45		MOHAN	OK
9	CCV40	CCV40	CCV	07/01/25 11:47		MOHAN	OK
10	CCB40	CCB40	CCB	07/01/25 11:49		MOHAN	OK
11	CRA	CRA	CRDL	07/01/25 11:52		MOHAN	OK
12	HighStd	HighStd	HIGH STD	07/01/25 11:54		MOHAN	OK
13	ChkStd	ChkStd	SAM	07/01/25 11:56		MOHAN	OK
14	PB168670BL	PB168670BL	MB	07/01/25 11:58		MOHAN	OK
15	PB168670BS	PB168670BS	LCS	07/01/25 12:01		MOHAN	OK
16	Q2414-04	WC-1	SAM	07/01/25 12:03		MOHAN	OK
17	Q2415-04	WC-1	SAM	07/01/25 12:05		MOHAN	OK
18	Q2416-04	MH-G/H	SAM	07/01/25 12:08		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136337

Review By	MOHAN	Review On	7/2/2025 7:56:42 AM
Supervise By	jaswal	Supervise On	7/2/2025 4:48:22 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86240,MP86241,MP86242,MP86243,MP86244,MP86245		
ICV Standard	MP86246		
CCV Standard	MP86248		
ICSA Standard			
CRI Standard	MP86250		
LCS Standard			
Chk Standard	MP86247,MP86249,MP86251,MP86253		

19	Q2420-02	72-11933	SAM	07/01/25 12:10		MOHAN	OK
20	Q2429-04	TP-4	SAM	07/01/25 12:12		MOHAN	OK
21	CCV41	CCV41	CCV	07/01/25 12:17		MOHAN	OK
22	CCB41	CCB41	CCB	07/01/25 12:19		MOHAN	OK
23	Q2430-04	MH-E/F	SAM	07/01/25 12:22		MOHAN	OK
24	Q2430-04DUP	MH-E/FDUP	DUP	07/01/25 12:24		MOHAN	OK
25	Q2430-04MS	MH-E/FMS	MS	07/01/25 12:26		MOHAN	OK
26	Q2430-04MSD	MH-E/FMSD	MSD	07/01/25 12:28		MOHAN	OK
27	PB168683BL	PB168683BL	MB	07/01/25 12:31		MOHAN	OK
28	PB168683BS	PB168683BS	LCS	07/01/25 12:33		MOHAN	OK
29	Q2458-10	FB-06272025	SAM	07/01/25 12:35		MOHAN	OK
30	Q2463-01	TW-WTS-11	SAM	07/01/25 12:38		MOHAN	OK
31	Q2463-01DUP	TW-WTS-11DUP	DUP	07/01/25 12:40		MOHAN	OK
32	Q2463-01MS	TW-WTS-11MS	MS	07/01/25 12:42		MOHAN	OK
33	CCV42	CCV42	CCV	07/01/25 12:47		MOHAN	OK
34	CCB42	CCB42	CCB	07/01/25 12:49		MOHAN	OK
35	Q2463-01MSD	TW-WTS-11MSD	MSD	07/01/25 12:52		MOHAN	OK
36	Q2465-04	62025-ABC	SAM	07/01/25 12:54		MOHAN	OK
37	PB168626TB	PB168626TB	MB	07/01/25 12:56		MOHAN	OK
38	Q2430-04L	MH-E/FL	SD	07/01/25 12:59		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136337

Review By	MOHAN	Review On	7/2/2025 7:56:42 AM
Supervise By	jaswal	Supervise On	7/2/2025 4:48:22 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86240,MP86241,MP86242,MP86243,MP86244,MP86245		
ICV Standard	MP86246		
CCV Standard	MP86248		
ICSA Standard			
CRI Standard	MP86250		
LCS Standard			
Chk Standard	MP86247,MP86249,MP86251,MP86253		

39	Q2430-04A	MH-E/FA	PS	07/01/25 13:01		MOHAN	OK
40	Q2463-01L	TW-WTS-11L	SD	07/01/25 13:03		MOHAN	OK
41	Q2463-01A	TW-WTS-11A	PS	07/01/25 13:05		MOHAN	OK
42	CCV43	CCV43	CCV	07/01/25 13:10		MOHAN	OK
43	CCB43	CCB43	CCB	07/01/25 13:13		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136352

Review By	MOHAN	Review On	7/2/2025 4:51:14 PM
Supervise By	jaswal	Supervise On	7/2/2025 4:51:34 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86240,MP86241,MP86242,MP86243,MP86244,MP86245		
ICV Standard	MP86246		
CCV Standard	MP86248		
ICSA Standard			
CRI Standard	MP86250		
LCS Standard			
Chk Standard	MP86247,MP86249,MP86251,MP86255		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/02/25 10:09		MOHAN	OK
2	S0.2	S0.2	CAL2	07/02/25 10:11		MOHAN	OK
3	S2.5	S2.5	CAL3	07/02/25 10:13		MOHAN	OK
4	S5	S5	CAL4	07/02/25 10:16		MOHAN	OK
5	S7.5	S7.5	CAL5	07/02/25 10:18		MOHAN	OK
6	S10	S10	CAL6	07/02/25 10:20		MOHAN	OK
7	ICV14	ICV14	ICV	07/02/25 10:33		MOHAN	OK
8	ICB14	ICB14	ICB	07/02/25 10:38		MOHAN	OK
9	CCV44	CCV44	CCV	07/02/25 10:44		MOHAN	OK
10	CCB44	CCB44	CCB	07/02/25 10:49		MOHAN	OK
11	CRA	CRA	CRDL	07/02/25 10:54		MOHAN	OK
12	HighStd	HighStd	HIGH STD	07/02/25 11:03		MOHAN	OK
13	ChkStd	ChkStd	SAM	07/02/25 11:08		MOHAN	OK
14	PB168688BL	PB168688BL	MB	07/02/25 11:12		MOHAN	OK
15	PB168688BS	PB168688BS	LCS	07/02/25 11:14		MOHAN	OK
16	Q2449-01	RBR200032	SAM	07/02/25 11:16		MOHAN	OK
17	Q2450-01	PL-2-062725	SAM	07/02/25 11:19		MOHAN	OK
18	Q2457-01	OK-2-062725	SAM	07/02/25 11:21		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136352

Review By	MOHAN	Review On	7/2/2025 4:51:14 PM
Supervise By	jaswal	Supervise On	7/2/2025 4:51:34 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86240,MP86241,MP86242,MP86243,MP86244,MP86245		
ICV Standard	MP86246		
CCV Standard	MP86248		
ICSA Standard			
CRI Standard	MP86250		
LCS Standard			
Chk Standard	MP86247,MP86249,MP86251,MP86255		

19	Q2458-01	TP-76	SAM	07/02/25 11:23		MOHAN	OK
20	Q2458-02	TP-55	SAM	07/02/25 11:25		MOHAN	OK
21	CCV45	CCV45	CCV	07/02/25 11:35		MOHAN	OK
22	CCB45	CCB45	CCB	07/02/25 11:40		MOHAN	OK
23	Q2458-03	TP-68	SAM	07/02/25 11:42		MOHAN	OK
24	Q2458-04	TP-67	SAM	07/02/25 11:44		MOHAN	OK
25	Q2458-05	TP-66	SAM	07/02/25 11:47		MOHAN	OK
26	Q2458-06	TP-60	SAM	07/02/25 11:49		MOHAN	OK
27	Q2458-07	TP-62	SAM	07/02/25 11:51		MOHAN	OK
28	Q2458-08	TP-63	SAM	07/02/25 11:54		MOHAN	OK
29	Q2458-09	TP-59	SAM	07/02/25 11:56		MOHAN	OK
30	Q2459-01	TP-1	SAM	07/02/25 11:58		MOHAN	OK
31	Q2464-01	OR-3-063025	SAM	07/02/25 12:00		MOHAN	OK
32	Q2469-01	WC-1	SAM	07/02/25 12:03		MOHAN	OK
33	CCV46	CCV46	CCV	07/02/25 12:37		MOHAN	OK
34	CCB46	CCB46	CCB	07/02/25 12:42		MOHAN	OK
35	Q2469-01DUP	WC-1DUP	DUP	07/02/25 12:47		MOHAN	OK
36	Q2469-01MS	WC-1MS	MS	07/02/25 12:53		MOHAN	OK
37	Q2469-01MSD	WC-1MSD	MSD	07/02/25 12:55		MOHAN	OK
38	Q2469-01L	WC-1L	SD	07/02/25 12:58		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136352

Review By	MOHAN	Review On	7/2/2025 4:51:14 PM
Supervise By	jaswal	Supervise On	7/2/2025 4:51:34 PM

STD. NAME	STD REF.#
ICAL Standard	MP86240,MP86241,MP86242,MP86243,MP86244,MP86245
ICV Standard	MP86246
CCV Standard	MP86248
ICSA Standard	
CRI Standard	MP86250
LCS Standard	
Chk Standard	MP86247,MP86249,MP86251,MP86255

39	Q2469-01A	WC-1A	PS	07/02/25 13:09		MOHAN	OK
40	CCV47	CCV47	CCV	07/02/25 13:18		MOHAN	OK
41	CCB47	CCB47	CCB	07/02/25 13:23		MOHAN	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136371

Review By	Janvi	Review On	7/7/2025 10:57:23 AM
Supervise By	jaswal	Supervise On	7/8/2025 11:34:05 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/03/25 11:22		Jaswal	OK
2	S1	S1	CAL2	07/03/25 11:27		Jaswal	OK
3	S2	S2	CAL3	07/03/25 11:31		Jaswal	OK
4	S3	S3	CAL4	07/03/25 11:35		Jaswal	OK
5	S4	S4	CAL5	07/03/25 11:39		Jaswal	OK
6	S5	S5	CAL6	07/03/25 11:43		Jaswal	OK
7	ICV01	ICV01	ICV	07/03/25 12:13		Jaswal	OK
8	LLICV01	LLICV01	LLICV	07/03/25 12:17		Jaswal	OK
9	ICB01	ICB01	ICB	07/03/25 12:21		Jaswal	OK
10	CRI01	CRI01	CRDL	07/03/25 12:26		Jaswal	OK
11	ICSA01	ICSA01	ICSA	07/03/25 12:30		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	07/03/25 12:42		Jaswal	OK
13	CCV01	CCV01	CCV	07/03/25 13:23		Jaswal	OK
14	CCB01	CCB01	CCB	07/03/25 13:27		Jaswal	OK
15	Q2464-01	OR-3-063025	SAM	07/03/25 13:32		Jaswal	OK
16	Q2429-04	TP-4	SAM	07/03/25 13:36		Jaswal	OK
17	Q2463-01	TW-WTS-11	SAM	07/03/25 13:40		Jaswal	OK
18	Q2463-01DUP	TW-WTS-11DUP	DUP	07/03/25 13:54		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136371

Review By	Janvi	Review On	7/7/2025 10:57:23 AM
Supervise By	jaswal	Supervise On	7/8/2025 11:34:05 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

19	Q2463-01L	TW-WTS-11L	SD	07/03/25 13:59		Jaswal	OK
20	Q2463-01A	TW-WTS-11A	PS	07/03/25 14:13		Jaswal	OK
21	Q2458-01	TP-76	SAM	07/03/25 14:17		Jaswal	OK
22	Q2475-01	SOIL-PILE	SAM	07/03/25 14:21		Jaswal	OK
23	CCV02	CCV02	CCV	07/03/25 14:25		Jaswal	OK
24	CCB02	CCB02	CCB	07/03/25 14:55		Jaswal	OK
25	Q2459-01	TP-1	SAM	07/03/25 15:00		Jaswal	OK
26	Q2458-10	FB-06272025	SAM	07/03/25 15:04		Jaswal	OK
27	Q2469-01	WC-1	SAM	07/03/25 15:08		Jaswal	OK
28	Q2458-02	TP-55	SAM	07/03/25 15:12		Jaswal	OK
29	Q2458-04	TP-67	SAM	07/03/25 15:16		Jaswal	OK
30	Q2458-05	TP-66	SAM	07/03/25 15:20		Jaswal	OK
31	Q2458-06	TP-60	SAM	07/03/25 15:24		Jaswal	OK
32	Q2458-07	TP-62	SAM	07/03/25 15:29		Jaswal	OK
33	Q2463-01MS	TW-WTS-11MS	MS	07/03/25 15:33		Jaswal	OK
34	Q2463-01MSD	TW-WTS-11MSD	MSD	07/03/25 15:37		Jaswal	OK
35	CCV03	CCV03	CCV	07/03/25 16:03		Jaswal	OK
36	CCB03	CCB03	CCB	07/03/25 16:08		Jaswal	OK
37	PB168678BL	PB168678BL	MB	07/03/25 16:12		Jaswal	OK
38	PB168677BL	PB168677BL	MB	07/03/25 16:20		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136371

Review By	Janvi	Review On	7/7/2025 10:57:23 AM
Supervise By	jaswal	Supervise On	7/8/2025 11:34:05 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

39	PB168677BS	PB168677BS	LCS	07/03/25 16:26		Jaswal	OK
40	PB168678BS	PB168678BS	LCS	07/03/25 16:30		Jaswal	OK
41	Q2458-03	TP-68	SAM	07/03/25 16:34		Jaswal	OK
42	Q2458-03DUP	TP-68DUP	DUP	07/03/25 16:38		Jaswal	OK
43	Q2458-03L	TP-68L	SD	07/03/25 16:42		Jaswal	OK
44	Q2458-03MS	TP-68MS	MS	07/03/25 16:46		Jaswal	OK
45	Q2458-03MSD	TP-68MSD	MSD	07/03/25 16:50		Jaswal	OK
46	Q2458-03A	TP-68A	PS	07/03/25 16:54		Jaswal	OK
47	CCV04	CCV04	CCV	07/03/25 16:58		Jaswal	OK
48	CCB04	CCB04	CCB	07/03/25 17:02		Jaswal	OK
49	Q2465-04DL	62025-ABCDL	SAM	07/03/25 17:06		Jaswal	OK
50	Q2458-08	TP-63	SAM	07/03/25 17:10		Jaswal	OK
51	Q2458-09	TP-59	SAM	07/03/25 17:14		Jaswal	OK
52	CCV05	CCV05	CCV	07/03/25 17:28		Jaswal	OK
53	CCB05	CCB05	CCB	07/03/25 17:32		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: **ENCINASMA@CDMSMITH.COM**
PHONE: **7325904679** FAX:

CLIENT BILLING INFORMATION

BILL TO: **CDM SMITH** PO#: **7325904679**
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 _____

TCL VOC
TCL VOC
PCB'S
TAL METALS
PESTICIDES
HERBICIDES
DRO/GRO

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	6/26/25	1115	6	X	X	X	X	X	X	X			E
2.	TP-65	S		X	6/26/25	1200	6	X	X	X	X	X	X	X			E
3.	TP-68	S		X	6/27/25	0745	6	X	X	X	X	X	X	X			E
4.	TP-67	S		X	6/27/25	0805	6	X	X	X	X	X	X	X			E
5.	TP-66	S		X	6/27/25	0835	6	X	X	X	X	X	X	X			E
6.	TP-60	S		X	6/27/25	0910	6	X	X	X	X	X	X	X			E
7.	TP-62	S		X	6/27/25	1005	6	X	X	X	X	X	X	X			E
8.	TP-63	S		X	6/27/25	1055	6	X	X	X	X	X	X	X			E
9.	TP-54	S		X	6/27/25	1205	6	X	X	X	X	X	X	X			E
10.	FB-06272025	BAR		X	6/27/25	1300	9	X	X	X	X	X	X	X			E, A, B

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. <i>[Signature]</i>	6/27/25/1600	<i>[Signature]</i> 1600	Comments: _____
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <i>[Signature]</i>			
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. <i>[Signature]</i>	6-27-25		

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

From: Encinas, Marcie (Puskarik) <encinasma@cdmsmith.com>
Sent: Monday, June 30, 2025 12:44 PM
Subject: FW: sample id and sample not mentioned on COC

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Thank you for reaching out - Please see below.

Would it be possible to also have excel results emailed with results compared to the current NJDEP SRS?

Marcie

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, June 30, 2025 10:24 AM
To: Encinas, Marcie (Puskarik) <encinasma@cdmsmith.com>
Cc: Mohammad Ahmed <mohammad.ahmed@alliancetg.com>; Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: sample id and sample not mentioned on COC

You don't often get email from deepak.parmar@alliancetg.com. [Learn why this is important](#)

Good morning,

Samples received with 6/27/2025 shipment has below discrepancies

issue 1# sample (2) TP-65 mentioned on COC, however sample received as TP-55 let us know which sample ID to use ? **TP-55 is the correct label for the samples.**

Issue2# Lab receives two TB water samples but not mentioned on COC. Lab would like to know how to proceed with analysis ? **I believe those are temperature blanks, which do not require analysis. We are only analyzing trip blanks if the same also includes aqueous samples.**

Thanks & Regards,

Deepak Parmar
QA/QC
An Alliance Technical Group Company
Main: 908-789-8900

Address: 284 Sheffield St, Ste 1,
Mountainside, NJ 07092



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 : Q2458 CAMP02

Order Date : 6/27/2025 4:22:00 PM

Project Mgr :

Client Name : CDM Smith

Project Name : South River WM Replacem

Report Type : Level 2 *all*

Client Contact : Marcie Ann Encinas

Receive DateTime : 6/27/2025 ~~12:00:00 AM~~ *10:55 PM* *all*

EDD Type : EXCEL NOCLEANUP

Invoice Name : CDM Smith

Purchase Order :

Hard Copy Date :

Invoice Contact : Marcie Ann Encinas

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2458-01	TP-76	Solid	06/26/2025	11:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-02	TP- 65 <i>55 all</i>	Solid	06/26/2025	12:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-03	TP-68	Solid	06/27/2025	07: <i>45</i>					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-04	TP-67	Solid	06/27/2025	08:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-05	TP-66	Solid	06/27/2025	08:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-06	TP-60	Solid	06/27/2025	09:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-07	TP-62	Solid	06/27/2025	10:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2458-08	TP-63	Solid	06/27/2025	10:55					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2458	CAMP02	Order Date : 6/27/2025 4:22:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 2 <i>add</i>
Client Contact : Marcie Ann Encinas		Receive DateTime : 6/27/2025 12:00:00 AM <i>16:55 PM</i>	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order :	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2458-09	TP-59	Solid	06/27/2025	12:05	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2458-10	FB-06272025	Water	06/27/2025	13:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By : *[Signature]*

Date / Time : 6/30/25 0900

Received By : *[Signature]*

Date / Time : 6/30/25 9:00

Storage Area : VOA Refridgerator Room

SAMPLES RECEIVED ON 6/27/25 @ 1655
SAMPLES PLACED IN SM-REF-2

Ref #6
#2-2
Ref #4