

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

LAB CHRONICLE

OrderID:	Q3551	OrderDate:	11/5/2025 2:16:00 PM
Client:	Spectra East Inc.	Project:	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3551-01	MANHOLE	Water			11/05/25			11/05/25
			Mercury	245.1		11/07/25	11/07/25	
			Metals ICP-Group1	200.7		11/06/25	11/10/25	



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Hit Summary Sheet
SW-846

SDG No.: Q3551

Order ID: Q3551

Client: Spectra East Inc.

Project ID: Outfall 001 - Orangetown Dis Permit 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MANHOLE								
Q3551-01	MANHOLE	Water	Chromium	2.08	J	0.53	5.00	ug/L
Q3551-01	MANHOLE	Water	Copper	60.8		1.89	10.0	ug/L
Q3551-01	MANHOLE	Water	Lead	2.22	J	1.21	6.00	ug/L
Q3551-01	MANHOLE	Water	Nickel	4.18	J	1.90	20.0	ug/L
Q3551-01	MANHOLE	Water	Zinc	443		2.00	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client: Spectra East Inc.
Project: Outfall 001 - Orangetown Dis Permit 2025
Client Sample ID: MANHOLE
Lab Sample ID: Q3551-01
Level (low/med): low

Date Collected: 11/05/25
Date Received: 11/05/25
SDG No.: Q3551
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	1.85	U	1	1.85	10.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-41-7	Beryllium	0.27	U	1	0.27	3.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-43-9	Cadmium	0.31	U	1	0.31	3.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-47-3	Chromium	2.08	J	1	0.53	5.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-50-8	Copper	60.8		1	1.89	10.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7439-92-1	Lead	2.22	J	1	1.21	6.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7439-97-6	Mercury	0.027	U	1	0.027	0.20	ug/L	11/07/25 09:25	11/07/25 14:57	E245.1	M245.1
7440-02-0	Nickel	4.18	J*	1	1.90	20.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7782-49-2	Selenium	2.52	U	1	2.52	10.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-22-4	Silver	0.81	UN	1	0.81	5.00	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7
7440-66-6	Zinc	443		1	2.00	20.0	ug/L	11/06/25 14:20	11/10/25 14:38	EPA 200.7	M200.7

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
ICV103	Mercury	3.99	4.0	100	95 - 105	CV	11/07/2025	14:28	LB137819

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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	4.99	5.0	100	90 - 110	CV	11/07/2025	14:33	LB137819
CCV41	Mercury	4.94	5.0	99	90 - 110	CV	11/07/2025	15:06	LB137819
CCV42	Mercury	4.90	5.0	98	90 - 110	CV	11/07/2025	15:15	LB137819

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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	Arsenic	3980	4000	100	95 - 105	P	11/10/2025	11:45	LB137841
	Beryllium	208	200	104	95 - 105	P	11/10/2025	11:45	LB137841
	Cadmium	1960	2000	98	95 - 105	P	11/10/2025	11:45	LB137841
	Chromium	829	800	104	95 - 105	P	11/10/2025	11:45	LB137841
	Copper	1040	1000	104	95 - 105	P	11/10/2025	11:45	LB137841
	Lead	4190	4000	105	95 - 105	P	11/10/2025	11:45	LB137841
	Nickel	2010	2000	100	95 - 105	P	11/10/2025	11:45	LB137841
	Selenium	4020	4000	101	95 - 105	P	11/10/2025	11:45	LB137841
	Silver	1030	1000	103	95 - 105	P	11/10/2025	11:45	LB137841
	Zinc	2020	2000	101	95 - 105	P	11/10/2025	11:45	LB137841

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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	Arsenic	22.4	20.0	112	80 - 120	P	11/10/2025	11:57	LB137841
	Beryllium	6.31	6.0	105	80 - 120	P	11/10/2025	11:57	LB137841
	Cadmium	5.56	6.0	93	80 - 120	P	11/10/2025	11:57	LB137841
	Chromium	10.1	10.0	101	80 - 120	P	11/10/2025	11:57	LB137841
	Copper	20.3	20.0	101	80 - 120	P	11/10/2025	11:57	LB137841
	Lead	10.8	12.0	90	80 - 120	P	11/10/2025	11:57	LB137841
	Nickel	38.3	40.0	96	80 - 120	P	11/10/2025	11:57	LB137841
	Selenium	22.1	20.0	110	80 - 120	P	11/10/2025	11:57	LB137841
	Silver	11.0	10.0	110	80 - 120	P	11/10/2025	11:57	LB137841
	Zinc	40.9	40.0	102	80 - 120	P	11/10/2025	11:57	LB137841

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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	Arsenic	4940	5000	99	90 - 110	P	11/10/2025	12:38	LB137841
	Beryllium	254	250	102	90 - 110	P	11/10/2025	12:38	LB137841
	Cadmium	2460	2500	98	90 - 110	P	11/10/2025	12:38	LB137841
	Chromium	1000	1000	100	90 - 110	P	11/10/2025	12:38	LB137841
	Copper	1240	1250	99	90 - 110	P	11/10/2025	12:38	LB137841
	Lead	4910	5000	98	90 - 110	P	11/10/2025	12:38	LB137841
	Nickel	2460	2500	98	90 - 110	P	11/10/2025	12:38	LB137841
	Selenium	5030	5000	100	90 - 110	P	11/10/2025	12:38	LB137841
	Silver	1240	1250	99	90 - 110	P	11/10/2025	12:38	LB137841
	Zinc	2490	2500	99	90 - 110	P	11/10/2025	12:38	LB137841
CCV02	Arsenic	4990	5000	100	90 - 110	P	11/10/2025	13:28	LB137841
	Beryllium	255	250	102	90 - 110	P	11/10/2025	13:28	LB137841
	Cadmium	2480	2500	99	90 - 110	P	11/10/2025	13:28	LB137841
	Chromium	1020	1000	102	90 - 110	P	11/10/2025	13:28	LB137841
	Copper	1250	1250	100	90 - 110	P	11/10/2025	13:28	LB137841
	Lead	4950	5000	99	90 - 110	P	11/10/2025	13:28	LB137841
	Nickel	2470	2500	99	90 - 110	P	11/10/2025	13:28	LB137841
	Selenium	5090	5000	102	90 - 110	P	11/10/2025	13:28	LB137841
	Silver	1250	1250	100	90 - 110	P	11/10/2025	13:28	LB137841
	Zinc	2500	2500	100	90 - 110	P	11/10/2025	13:28	LB137841
CCV03	Arsenic	4930	5000	99	90 - 110	P	11/10/2025	14:46	LB137841
	Beryllium	254	250	102	90 - 110	P	11/10/2025	14:46	LB137841
	Cadmium	2440	2500	98	90 - 110	P	11/10/2025	14:46	LB137841
	Chromium	1010	1000	101	90 - 110	P	11/10/2025	14:46	LB137841
	Copper	1240	1250	99	90 - 110	P	11/10/2025	14:46	LB137841
	Lead	4860	5000	97	90 - 110	P	11/10/2025	14:46	LB137841
	Nickel	2440	2500	98	90 - 110	P	11/10/2025	14:46	LB137841
	Selenium	4990	5000	100	90 - 110	P	11/10/2025	14:46	LB137841
	Silver	1230	1250	98	90 - 110	P	11/10/2025	14:46	LB137841
	Zinc	2490	2500	100	90 - 110	P	11/10/2025	14:46	LB137841
CCV04	Arsenic	5010	5000	100	90 - 110	P	11/10/2025	15:44	LB137841
	Beryllium	249	250	100	90 - 110	P	11/10/2025	15:44	LB137841
	Cadmium	2470	2500	99	90 - 110	P	11/10/2025	15:44	LB137841
	Chromium	1020	1000	102	90 - 110	P	11/10/2025	15:44	LB137841

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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	Copper	1260	1250	101	90 - 110	P	11/10/2025	15:44	LB137841
	Lead	4920	5000	98	90 - 110	P	11/10/2025	15:44	LB137841
	Nickel	2470	2500	99	90 - 110	P	11/10/2025	15:44	LB137841
	Selenium	5070	5000	102	90 - 110	P	11/10/2025	15:44	LB137841
	Silver	1250	1250	100	90 - 110	P	11/10/2025	15:44	LB137841
	Zinc	2530	2500	101	90 - 110	P	11/10/2025	15:44	LB137841
CCV05	Arsenic	4930	5000	99	90 - 110	P	11/10/2025	16:35	LB137841
	Beryllium	249	250	100	90 - 110	P	11/10/2025	16:35	LB137841
	Cadmium	2430	2500	97	90 - 110	P	11/10/2025	16:35	LB137841
	Chromium	1000	1000	100	90 - 110	P	11/10/2025	16:35	LB137841
	Copper	1250	1250	100	90 - 110	P	11/10/2025	16:35	LB137841
	Lead	4810	5000	96	90 - 110	P	11/10/2025	16:35	LB137841
	Nickel	2420	2500	97	90 - 110	P	11/10/2025	16:35	LB137841
	Selenium	4930	5000	99	90 - 110	P	11/10/2025	16:35	LB137841
	Silver	1220	1250	98	90 - 110	P	11/10/2025	16:35	LB137841
	Zinc	2500	2500	100	90 - 110	P	11/10/2025	16:35	LB137841
	Arsenic	5030	5000	101	90 - 110	P	11/10/2025	17:27	LB137841
	Beryllium	254	250	101	90 - 110	P	11/10/2025	17:27	LB137841
CCV06	Cadmium	2470	2500	99	90 - 110	P	11/10/2025	17:27	LB137841
	Chromium	1030	1000	103	90 - 110	P	11/10/2025	17:27	LB137841
	Copper	1270	1250	102	90 - 110	P	11/10/2025	17:27	LB137841
	Lead	4880	5000	98	90 - 110	P	11/10/2025	17:27	LB137841
	Nickel	2460	2500	99	90 - 110	P	11/10/2025	17:27	LB137841
	Selenium	5010	5000	100	90 - 110	P	11/10/2025	17:27	LB137841
	Silver	1260	1250	101	90 - 110	P	11/10/2025	17:27	LB137841
	Zinc	2590	2500	103	90 - 110	P	11/10/2025	17:27	LB137841
	Arsenic	5260	5000	105	90 - 110	P	11/10/2025	19:14	LB137841
	Beryllium	264	250	106	90 - 110	P	11/10/2025	19:14	LB137841
	Cadmium	2590	2500	104	90 - 110	P	11/10/2025	19:14	LB137841
	Chromium	1080	1000	108	90 - 110	P	11/10/2025	19:14	LB137841
CCV07	Copper	1320	1250	105	90 - 110	P	11/10/2025	19:14	LB137841
	Lead	5130	5000	103	90 - 110	P	11/10/2025	19:14	LB137841
	Nickel	2570	2500	103	90 - 110	P	11/10/2025	19:14	LB137841
	Selenium	5340	5000	107	90 - 110	P	11/10/2025	19:14	LB137841

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
CCV07	Silver	1320	1250	106	90 - 110	P	11/10/2025	19:14	LB137841
	Zinc	2680	2500	107	90 - 110	P	11/10/2025	19:14	LB137841
CCV08	Arsenic	5270	5000	105	90 - 110	P	11/10/2025	20:11	LB137841
	Beryllium	263	250	105	90 - 110	P	11/10/2025	20:11	LB137841
	Cadmium	2600	2500	104	90 - 110	P	11/10/2025	20:11	LB137841
	Chromium	1080	1000	108	90 - 110	P	11/10/2025	20:11	LB137841
	Copper	1320	1250	106	90 - 110	P	11/10/2025	20:11	LB137841
	Lead	5140	5000	103	90 - 110	P	11/10/2025	20:11	LB137841
	Nickel	2580	2500	103	90 - 110	P	11/10/2025	20:11	LB137841
	Selenium	5310	5000	106	90 - 110	P	11/10/2025	20:11	LB137841
	Silver	1310	1250	105	90 - 110	P	11/10/2025	20:11	LB137841
	Zinc	2680	2500	107	90 - 110	P	11/10/2025	20:11	LB137841
CCV09	Arsenic	5090	5000	102	90 - 110	P	11/10/2025	21:31	LB137841
	Beryllium	252	250	101	90 - 110	P	11/10/2025	21:31	LB137841
	Cadmium	2490	2500	100	90 - 110	P	11/10/2025	21:31	LB137841
	Chromium	1030	1000	103	90 - 110	P	11/10/2025	21:31	LB137841
	Copper	1280	1250	103	90 - 110	P	11/10/2025	21:31	LB137841
	Lead	4890	5000	98	90 - 110	P	11/10/2025	21:31	LB137841
	Nickel	2480	2500	99	90 - 110	P	11/10/2025	21:31	LB137841
	Selenium	5050	5000	101	90 - 110	P	11/10/2025	21:31	LB137841
	Silver	1270	1250	102	90 - 110	P	11/10/2025	21:31	LB137841
	Zinc	2630	2500	105	90 - 110	P	11/10/2025	21:31	LB137841
CCV10	Arsenic	4990	5000	100	90 - 110	P	11/10/2025	22:29	LB137841
	Beryllium	251	250	100	90 - 110	P	11/10/2025	22:29	LB137841
	Cadmium	2450	2500	98	90 - 110	P	11/10/2025	22:29	LB137841
	Chromium	1030	1000	103	90 - 110	P	11/10/2025	22:29	LB137841
	Copper	1260	1250	101	90 - 110	P	11/10/2025	22:29	LB137841
	Lead	4820	5000	96	90 - 110	P	11/10/2025	22:29	LB137841
	Nickel	2440	2500	98	90 - 110	P	11/10/2025	22:29	LB137841
	Selenium	4960	5000	99	90 - 110	P	11/10/2025	22:29	LB137841
	Silver	1250	1250	100	90 - 110	P	11/10/2025	22:29	LB137841
	Zinc	2580	2500	103	90 - 110	P	11/10/2025	22:29	LB137841
CCV11	Arsenic	5060	5000	101	90 - 110	P	11/10/2025	23:30	LB137841
	Beryllium	248	250	99	90 - 110	P	11/10/2025	23:30	LB137841

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
CCV11	Cadmium	2480	2500	99	90 - 110	P	11/10/2025	23:30	LB137841
	Chromium	1040	1000	104	90 - 110	P	11/10/2025	23:30	LB137841
	Copper	1270	1250	102	90 - 110	P	11/10/2025	23:30	LB137841
	Lead	4890	5000	98	90 - 110	P	11/10/2025	23:30	LB137841
	Nickel	2470	2500	99	90 - 110	P	11/10/2025	23:30	LB137841
	Selenium	5050	5000	101	90 - 110	P	11/10/2025	23:30	LB137841
	Silver	1260	1250	101	90 - 110	P	11/10/2025	23:30	LB137841
	Zinc	2590	2500	103	90 - 110	P	11/10/2025	23:30	LB137841



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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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	0.043	0.05	86	60 - 140	CV	11/07/2025	14:43	LB137819
CRI01	Arsenic	19.4	20.0	97	65 - 135	P	11/10/2025	12:16	LB137841
	Beryllium	6.53	6.0	109	65 - 135	P	11/10/2025	12:16	LB137841
	Cadmium	5.98	6.0	100	65 - 135	P	11/10/2025	12:16	LB137841
	Chromium	9.05	10.0	90	65 - 135	P	11/10/2025	12:16	LB137841
	Copper	21.9	20.0	110	65 - 135	P	11/10/2025	12:16	LB137841
	Lead	11.1	12.0	93	65 - 135	P	11/10/2025	12:16	LB137841
	Nickel	39.7	40.0	99	65 - 135	P	11/10/2025	12:16	LB137841
	Selenium	22.6	20.0	113	65 - 135	P	11/10/2025	12:16	LB137841
	Silver	10.1	10.0	101	65 - 135	P	11/10/2025	12:16	LB137841
	Zinc	43.2	40.0	108	65 - 135	P	11/10/2025	12:16	LB137841



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

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB103	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	14:31	LB137819

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB40	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	14:35	LB137819
CCB41	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	15:08	LB137819
CCB42	Mercury	0.027	+/-0.2	U	0.20	CV	11/07/2025	15:17	LB137819

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	12:11	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	12:11	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	12:11	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	12:11	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	12:11	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	12:11	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	12:11	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	12:11	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	12:11	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	12:11	LB137841



- 3a -

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	12:42	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	12:42	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	12:42	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	12:42	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	12:42	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	12:42	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	12:42	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	12:42	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	12:42	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	12:42	LB137841
CCB02	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	13:54	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	13:54	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	13:54	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	13:54	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	13:54	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	13:54	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	13:54	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	13:54	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	13:54	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	13:54	LB137841
CCB03	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	14:50	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	14:50	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	14:50	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	14:50	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	14:50	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	14:50	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	14:50	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	14:50	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	14:50	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	14:50	LB137841
CCB04	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	15:47	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	15:47	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	15:47	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	15:47	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	15:47	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	15:47	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	15:47	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	15:47	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	15:47	LB137841

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	15:47	LB137841
CCB05	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	16:38	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	16:38	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	16:38	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	16:38	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	16:38	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	16:38	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	16:38	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	16:38	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	16:38	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	16:38	LB137841
CCB06	Arsenic	7.21	+/-10	J	20.0	P	11/10/2025	17:31	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	17:31	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	17:31	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	17:31	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	17:31	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	17:31	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	17:31	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	17:31	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	17:31	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	17:31	LB137841
CCB07	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	19:18	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	19:18	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	19:18	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	19:18	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	19:18	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	19:18	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	19:18	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	19:18	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	19:18	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	19:18	LB137841
CCB08	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	20:26	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	20:26	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	20:26	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	20:26	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	20:26	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	20:26	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	20:26	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	20:26	LB137841

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Silver	1.62	+/-5	U	10.0	P	11/10/2025	20:26	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	20:26	LB137841
CCB09	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	21:41	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	21:41	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	21:41	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	21:41	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	21:41	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	21:41	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	21:41	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	21:41	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	21:41	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	21:41	LB137841
CCB10	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	22:47	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	22:47	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	22:47	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	22:47	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	22:47	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	22:47	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	22:47	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	22:47	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	22:47	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	22:47	LB137841
CCB11	Arsenic	5.12	+/-10	U	20.0	P	11/10/2025	23:34	LB137841
	Beryllium	0.56	+/-3	U	6.00	P	11/10/2025	23:34	LB137841
	Cadmium	0.50	+/-3	U	6.00	P	11/10/2025	23:34	LB137841
	Chromium	2.12	+/-5	U	10.0	P	11/10/2025	23:34	LB137841
	Copper	4.60	+/-10	U	20.0	P	11/10/2025	23:34	LB137841
	Lead	2.30	+/-6	U	12.0	P	11/10/2025	23:34	LB137841
	Nickel	3.06	+/-20	U	40.0	P	11/10/2025	23:34	LB137841
	Selenium	9.64	+/-10	U	20.0	P	11/10/2025	23:34	LB137841
	Silver	1.62	+/-5	U	10.0	P	11/10/2025	23:34	LB137841
	Zinc	16.7	+/-20	U	40.0	P	11/10/2025	23:34	LB137841

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170437BL		WATER		Batch Number:	PB170437		Prep Date:	11/07/2025	
	Mercury	0.027	<0.2	U	0.20	CV	11/07/2025	14:50	LB137819

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170412BL	WATER			Batch Number:	PB170412		Prep Date:	11/06/2025	
	Arsenic	1.85	<5	U	10.0	P	11/10/2025	13:58	LB137841
	Beryllium	0.27	<1.5	U	3.00	P	11/10/2025	13:58	LB137841
	Cadmium	0.31	<1.5	U	3.00	P	11/10/2025	13:58	LB137841
	Chromium	0.55	<2.5	J	5.00	P	11/10/2025	13:58	LB137841
	Copper	1.89	<5	U	10.0	P	11/10/2025	13:58	LB137841
	Lead	1.21	<3	U	6.00	P	11/10/2025	13:58	LB137841
	Nickel	1.90	<10	U	20.0	P	11/10/2025	13:58	LB137841
	Selenium	2.52	<5	U	10.0	P	11/10/2025	13:58	LB137841
	Silver	0.81	<2.5	U	5.00	P	11/10/2025	13:58	LB137841
	Zinc	2.00	<10	U	20.0	P	11/10/2025	13:58	LB137841

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Spectra East Inc.</u>	SDG No.: <u>Q3551</u>
Contract: <u>SPEC01</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	Arsenic	4.11			-20	20	11/10/2025	12:21	LB137841
	Beryllium	1.48			-6	6	11/10/2025	12:21	LB137841
	Cadmium	0.069	1.0	7	-5	7	11/10/2025	12:21	LB137841
	Chromium	49.5	52.0	95	42	62	11/10/2025	12:21	LB137841
	Copper	18.7	2.0	935	-18	22	11/10/2025	12:21	LB137841
	Lead	-2.05			-12	12	11/10/2025	12:21	LB137841
	Nickel	6.36	2.0	318	-38	42	11/10/2025	12:21	LB137841
	Selenium	3.23			-20	20	11/10/2025	12:21	LB137841
	Silver	0.36			-10	10	11/10/2025	12:21	LB137841
	Zinc	3.40			-40	40	11/10/2025	12:21	LB137841
ICSAB01	Arsenic	101	104	97	88.4	120	11/10/2025	12:26	LB137841
	Beryllium	515	495	104	420	570	11/10/2025	12:26	LB137841
	Cadmium	996	972	102	826	1120	11/10/2025	12:26	LB137841
	Chromium	584	542	108	460	624	11/10/2025	12:26	LB137841
	Copper	501	511	98	434	588	11/10/2025	12:26	LB137841
	Lead	49.4	49.0	101	37	61	11/10/2025	12:26	LB137841
	Nickel	1020	954	107	810	1100	11/10/2025	12:26	LB137841
	Selenium	51.0	46.0	111	26	66	11/10/2025	12:26	LB137841
	Silver	204	201	102	170	232	11/10/2025	12:26	LB137841
	Zinc	1030	952	108	809	1095	11/10/2025	12:26	LB137841
ICSA	Arsenic	-23.7			-20	20	11/10/2025	12:30	LB137841
	Beryllium	5.70			-6	6	11/10/2025	12:30	LB137841
	Cadmium	3.92	1.0	392	-5	7	11/10/2025	12:30	LB137841
	Chromium	59.9	52.0	115	42	62	11/10/2025	12:30	LB137841
	Copper	15.6	2.0	780	-18	22	11/10/2025	12:30	LB137841
	Lead	-17.2			-12	12	11/10/2025	12:30	LB137841
	Nickel	19.4	2.0	970	-38	42	11/10/2025	12:30	LB137841
	Selenium	48.8			-20	20	11/10/2025	12:30	LB137841
	Silver	0.80			-10	10	11/10/2025	12:30	LB137841
	Zinc	19.8			-40	40	11/10/2025	12:30	LB137841
ICSAB	Arsenic	129	104	124	88.4	120	11/10/2025	12:34	LB137841
	Beryllium	506	495	102	420	570	11/10/2025	12:34	LB137841
	Cadmium	916	972	94	826	1120	11/10/2025	12:34	LB137841
	Chromium	547	542	101	460	624	11/10/2025	12:34	LB137841
	Copper	490	511	96	434	588	11/10/2025	12:34	LB137841
	Lead	7.69	49.0	16	37	61	11/10/2025	12:34	LB137841
	Nickel	939	954	98	810	1100	11/10/2025	12:34	LB137841
	Selenium	100	46.0	217	26	66	11/10/2025	12:34	LB137841
	Silver	166	201	83	170	232	11/10/2025	12:34	LB137841
	Zinc	975	952	102	809	1095	11/10/2025	12:34	LB137841



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Spectra East Inc.</u>	level: <u>low</u>	sdg no.: <u>Q3551</u>
contract: <u>SPEC01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3547-02</u>	client id: <u>CompMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3547-02MS</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
Arsenic	ug/L	75 - 125	385		10.0	U	400	96		P
Beryllium	ug/L	75 - 125	95.6		3.00	U	100	96		P
Cadmium	ug/L	75 - 125	99.1		1.62	J	100	97		P
Chromium	ug/L	75 - 125	219		18.3		200	100		P
Copper	ug/L	75 - 125	264		121		150	95		P
Lead	ug/L	75 - 125	487		20.0		500	93		P
Nickel	ug/L	75 - 125	269		20.5		250	99		P
Selenium	ug/L	75 - 125	932		10.0	U	1000	93		P
Silver	ug/L	75 - 125	26.8		2.33	J	37.5	65	N	P
Zinc	ug/L	75 - 125	628		524		100	104		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Spectra East Inc.</u>	level: <u>low</u>	sdg no.: <u>Q3551</u>
contract: <u>SPEC01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3547-02</u>	client id: <u>CompMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3547-02MSD</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
Arsenic	ug/L	75 - 125	403		10.0	U	400	101		P
Beryllium	ug/L	75 - 125	98.9		3.00	U	100	99		P
Cadmium	ug/L	75 - 125	104		1.62	J	100	102		P
Chromium	ug/L	75 - 125	227		18.3		200	104		P
Copper	ug/L	75 - 125	272		121		150	101		P
Lead	ug/L	75 - 125	513		20.0		500	99		P
Nickel	ug/L	75 - 125	281		20.5		250	104		P
Selenium	ug/L	75 - 125	977		10.0	U	1000	98		P
Silver	ug/L	75 - 125	26.8		2.33	J	37.5	65	N	P
Zinc	ug/L	75 - 125	632		524		100	108		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Spectra East Inc. **level:** low **sdg no.:** Q3551
contract: SPEC01 **lab code:** ACE
matrix: Water **sample id:** Q3551-01 **client id:** MANHOLEMS
Percent Solids for Sample: NA **Spiked ID:** Q3551-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.56		0.20	U	4.0	89		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Spectra East Inc. **level:** low **sdg no.:** Q3551
contract: SPEC01 **lab code:** ACE
matrix: Water **sample id:** Q3551-01 **client id:** MANHOLEMSD
Percent Solids for Sample: NA **Spiked ID:** Q3551-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.15		0.20	U	4.0	104		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Matrix: Water

Level: LOW

Client ID: CompA

Sample ID: Q3547-02

Spiked ID: Q3547-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	85 - 115	34.0		2.33	J	37.5	85		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Spectra East Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3551</u>
Contract:	<u>SPEC01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3547-02</u>	Client ID:	<u>CompDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3547-02DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	10.0	U	10.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	1.62	J	1.58	J	3		P
Chromium	ug/L	20	18.3		19.3		5		P
Copper	ug/L	20	121		121		0		P
Lead	ug/L	20	20.0		20.2		1		P
Nickel	ug/L	20	20.5		25.8		23	*	P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	2.33	J	2.21	J	5		P
Zinc	ug/L	20	524		628		18		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Spectra East Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3551</u>
Contract:	<u>SPEC01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3547-02MS</u>	Client ID:	<u>CompMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3547-02MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	385		403		5		P
Beryllium	ug/L	20	95.6		98.9		3		P
Cadmium	ug/L	20	99.1		104		5		P
Chromium	ug/L	20	219		227		4		P
Copper	ug/L	20	264		272		3		P
Lead	ug/L	20	487		513		5		P
Nickel	ug/L	20	269		281		4		P
Selenium	ug/L	20	932		977		5		P
Silver	ug/L	20	26.8		26.8		0		P
Zinc	ug/L	20	628		632		1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Spectra East Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3551</u>
Contract:	<u>SPEC01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3551-01</u>	Client ID:	<u>MANHOLEDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3551-01DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Spectra East Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3551</u>
Contract:	<u>SPEC01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3551-01MS</u>	Client ID:	<u>MANHOLEMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3551-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.56		4.15		15		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170412BS							
Arsenic	ug/L	400	391		98	85 - 115	P
Beryllium	ug/L	100	104		104	85 - 115	P
Cadmium	ug/L	100	94.7		95	85 - 115	P
Chromium	ug/L	200	203		102	85 - 115	P
Copper	ug/L	150	154		103	85 - 115	P
Lead	ug/L	500	468		94	85 - 115	P
Nickel	ug/L	250	244		98	85 - 115	P
Selenium	ug/L	1000	998		100	85 - 115	P
Silver	ug/L	37.5	37.0		99	85 - 115	P
Zinc	ug/L	100	103		103	85 - 115	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170437BS Mercury	ug/L	4.0	4.14		104	85 - 115	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

CompL

Lab Name: Alliance

Contract: SPEC01

Lab Code: ACE **Lb No.:** lb137841 **Lab Sample ID :** Q3547-02L **SDG No.:** Q3551

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
		C		C			
Arsenic	10.0	U	50.0	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	1.62	J	15.0	U	100.0		P
Chromium	18.3		17.6	J	4		P
Copper	121		116		4		P
Lead	20.0		20.3	J	1		P
Nickel	20.5		18.7	J	8		P
Selenium	10.0	U	50.0	U			P
Silver	2.33	J	25.0	U	100.0		P
Zinc	524		499		5		P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MANHOLEL

Lab Name: Alliance

Contract: SPEC01

Lab Code: ACE

Lb No.: lb137819

Lab Sample ID : Q3551-01L

SDG No.: Q3551

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.20 U	1.00 U			CV



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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: PB170412							
PB170412BL	PB170412BL	MB	WATER	11/06/2025	50.0	25.0	
PB170412BS	PB170412BS	LCS	WATER	11/06/2025	50.0	25.0	
Q3547-02DUP	CompDUP	DUP	WATER	11/06/2025	50.0	25.0	
Q3547-02MS	CompMS	MS	WATER	11/06/2025	50.0	25.0	
Q3547-02MSD	CompMSD	MSD	WATER	11/06/2025	50.0	25.0	
Q3551-01	MANHOLE	SAM	WATER	11/06/2025	50.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: Spectra East Inc.

SDG No.: Q3551

Contract: SPEC01

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: PB170437							
PB170437BL	PB170437BL	MB	WATER	11/07/2025	30.0	30.0	
PB170437BS	PB170437BS	LCS	WATER	11/07/2025	30.0	30.0	
Q3551-01	MANHOLE	SAM	WATER	11/07/2025	30.0	30.0	
Q3551-01DUP	MANHOLEDUP	DUP	WATER	11/07/2025	30.0	30.0	
Q3551-01MS	MANHOLEMS	MS	WATER	11/07/2025	30.0	30.0	
Q3551-01MSD	MANHOLEMSD	MSD	WATER	11/07/2025	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: Spectra East Inc.

Contract: SPEC01

Lab code: ACE

Sdg no.: Q3551

Instrument id number: _____

Method: _____

Run number: LB137819

Start date: 11/07/2025

End date: 11/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1351	HG
S0.05	S0.05	1	1353	HG
S0.2	S0.2	1	1355	HG
S2.5	S2.5	1	1358	HG
S5	S5	1	1400	HG
S7.5	S7.5	1	1417	HG
S10	S10	1	1423	HG
ICV103	ICV103	1	1428	HG
ICB103	ICB103	1	1431	HG
CCV40	CCV40	1	1433	HG
CCB40	CCB40	1	1435	HG
CRA	CRA	1	1443	HG
PB170437BL	PB170437BL	1	1450	HG
PB170437BS	PB170437BS	1	1452	HG
Q3551-01	MANHOLE	1	1457	HG
Q3551-01DUP	MANHOLEDUP	1	1459	HG
Q3551-01MS	MANHOLEMS	1	1501	HG
Q3551-01MSD	MANHOLEMSD	1	1504	HG
CCV41	CCV41	1	1506	HG
CCB41	CCB41	1	1508	HG
Q3551-01L	MANHOLEL	5	1511	HG
CCV42	CCV42	1	1515	HG
CCB42	CCB42	1	1517	HG

metals
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ANALYSIS RUN LOG

Client: Spectra East Inc.

Contract: SPEC01

Lab code: ACE

Sdg no.: Q3551

Instrument id number: _____

Method: _____

Run number: LB137841

Start date: 11/10/2025

End date: 11/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1120	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1124	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1128	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1132	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1137	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1141	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1145	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1157	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1211	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1216	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1221	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1226	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA	ICSA	20	1230	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB	ICSAB	20	1234	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1238	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1242	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1328	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1354	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170412BL	PB170412BL	1	1358	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170412BS	PB170412BS	1	1403	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02DUP	CompDUP	1	1417	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02L	CompL	5	1421	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02MS	CompMS	1	1426	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02MSD	CompMSD	1	1430	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3547-02A	CompA	1	1434	Ag
Q3551-01	MANHOLE	1	1438	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1446	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1450	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1544	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1547	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1635	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1638	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV06	CCV06	1	1727	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB06	CCB06	1	1731	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV07	CCV07	1	1914	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB07	CCB07	1	1918	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV08	CCV08	1	2011	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB08	CCB08	1	2026	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV09	CCV09	1	2131	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB09	CCB09	1	2141	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV10	CCV10	1	2229	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn

metals
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ANALYSIS RUN LOG

Client: Spectra East Inc.

Contract: SPEC01

Lab code: ACE

Sdg no.: Q3551

Instrument id number: _____

Method: _____

Run number: LB137841

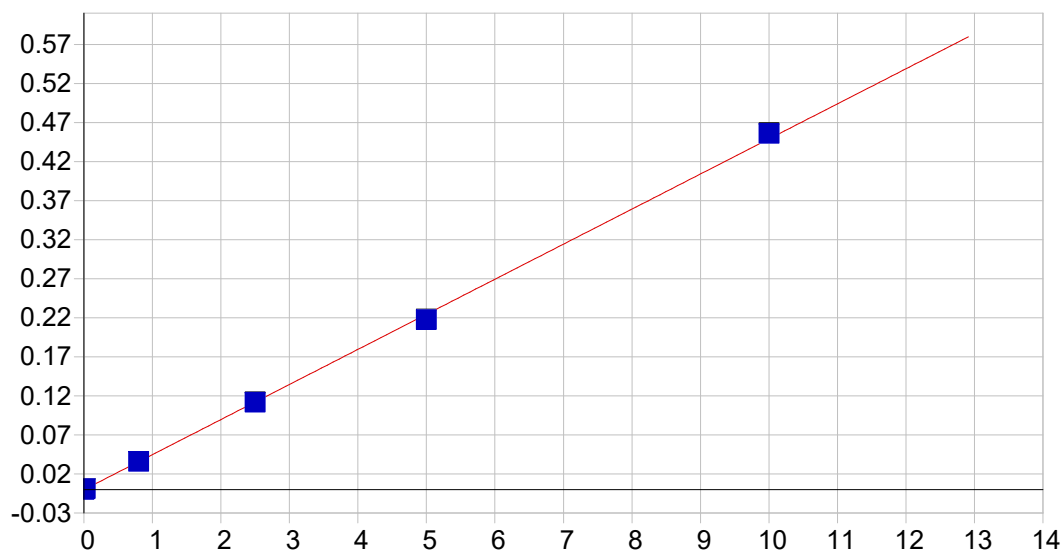
Start date: 11/10/2025

End date: 11/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB10	CCB10	1	2247	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV11	CCV11	1	2330	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB11	CCB11	1	2334	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Se,Zn



METAL RAW DATA

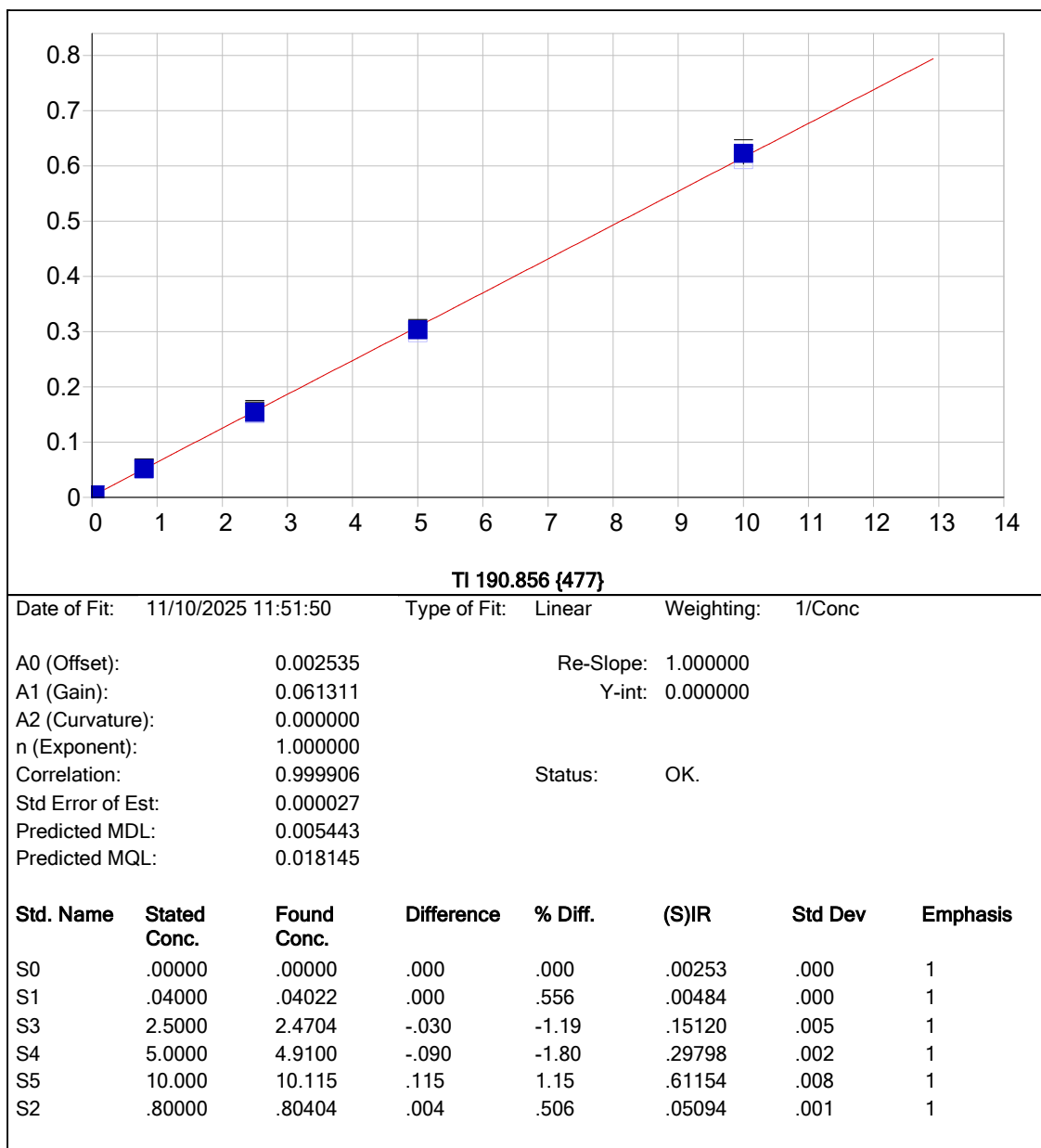


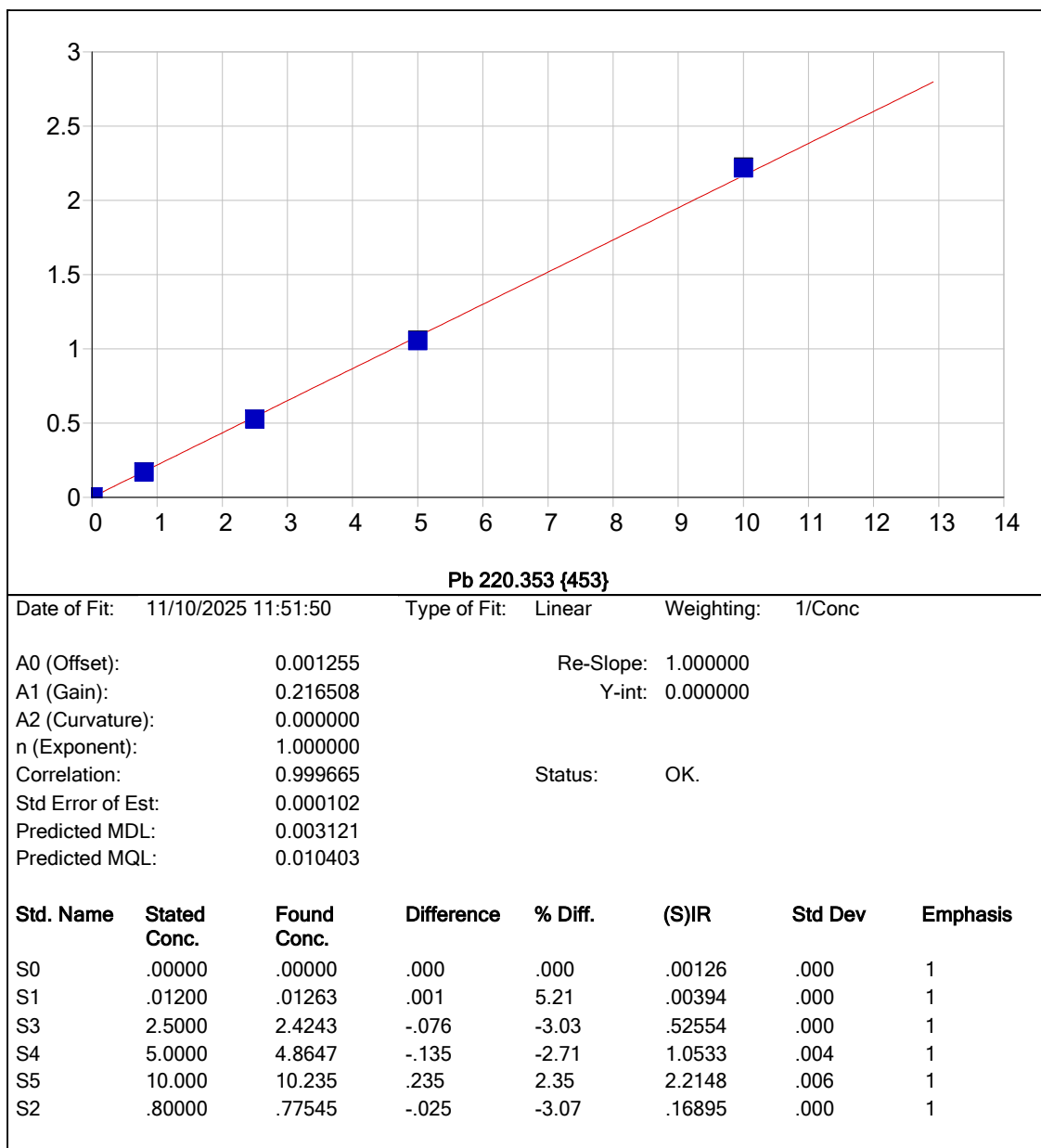
As 189.042 {479}

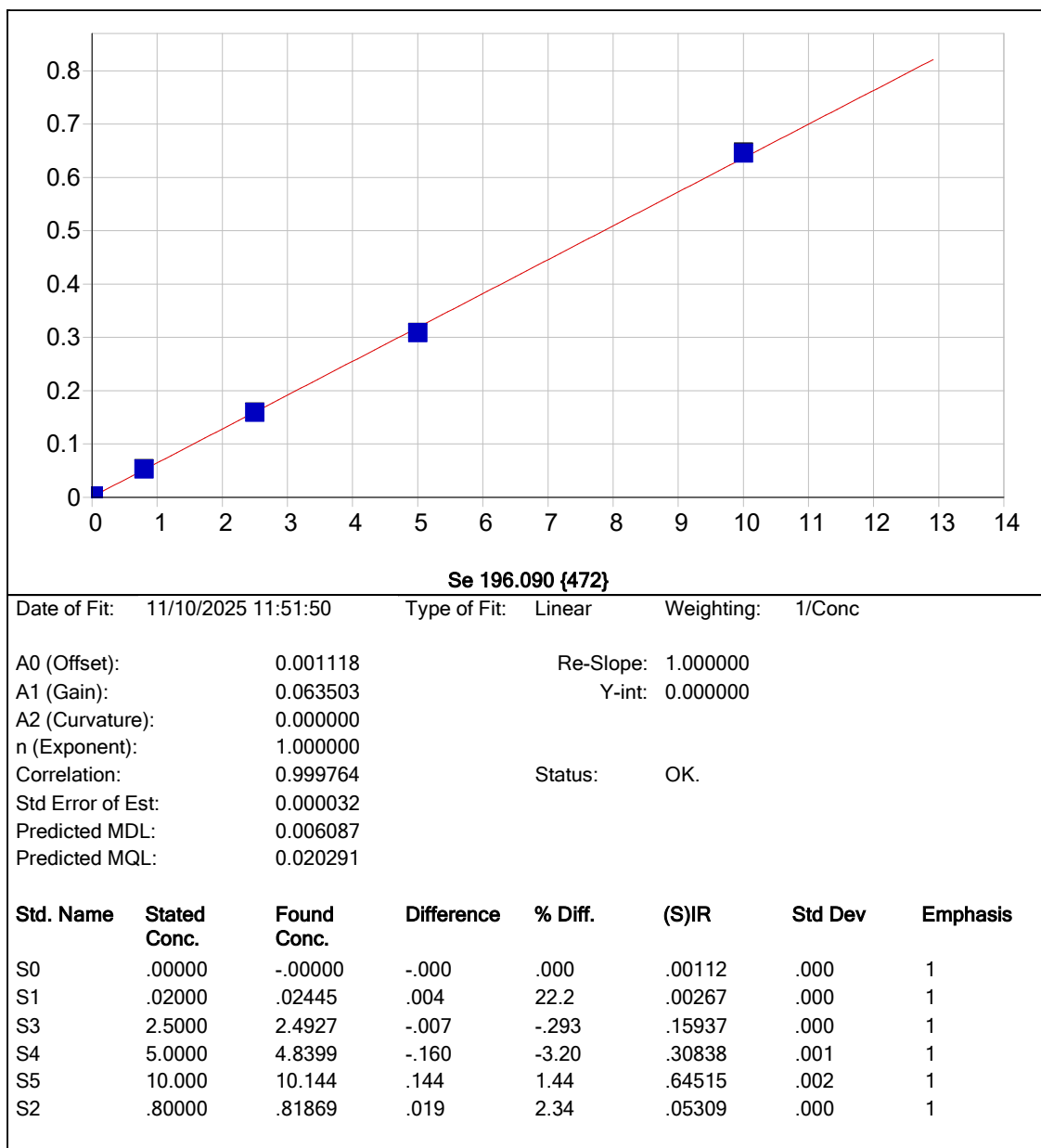
Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

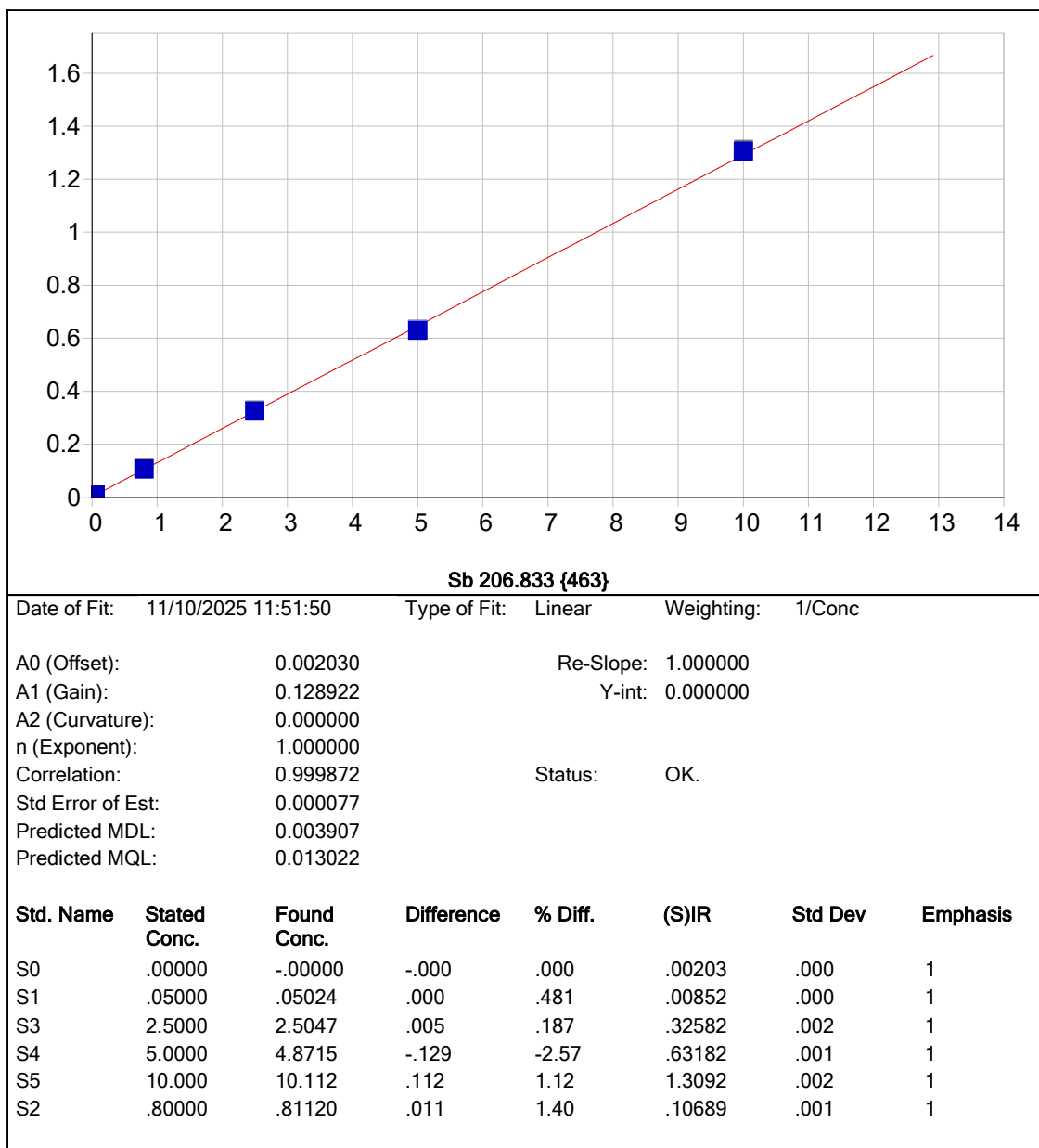
A0 (Offset): -0.000114 Re-Slope: 1.000000
A1 (Gain): 0.044908 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999759 Status: OK.
Std Error of Est: 0.000023
Predicted MDL: 0.006062
Predicted MQL: 0.020207

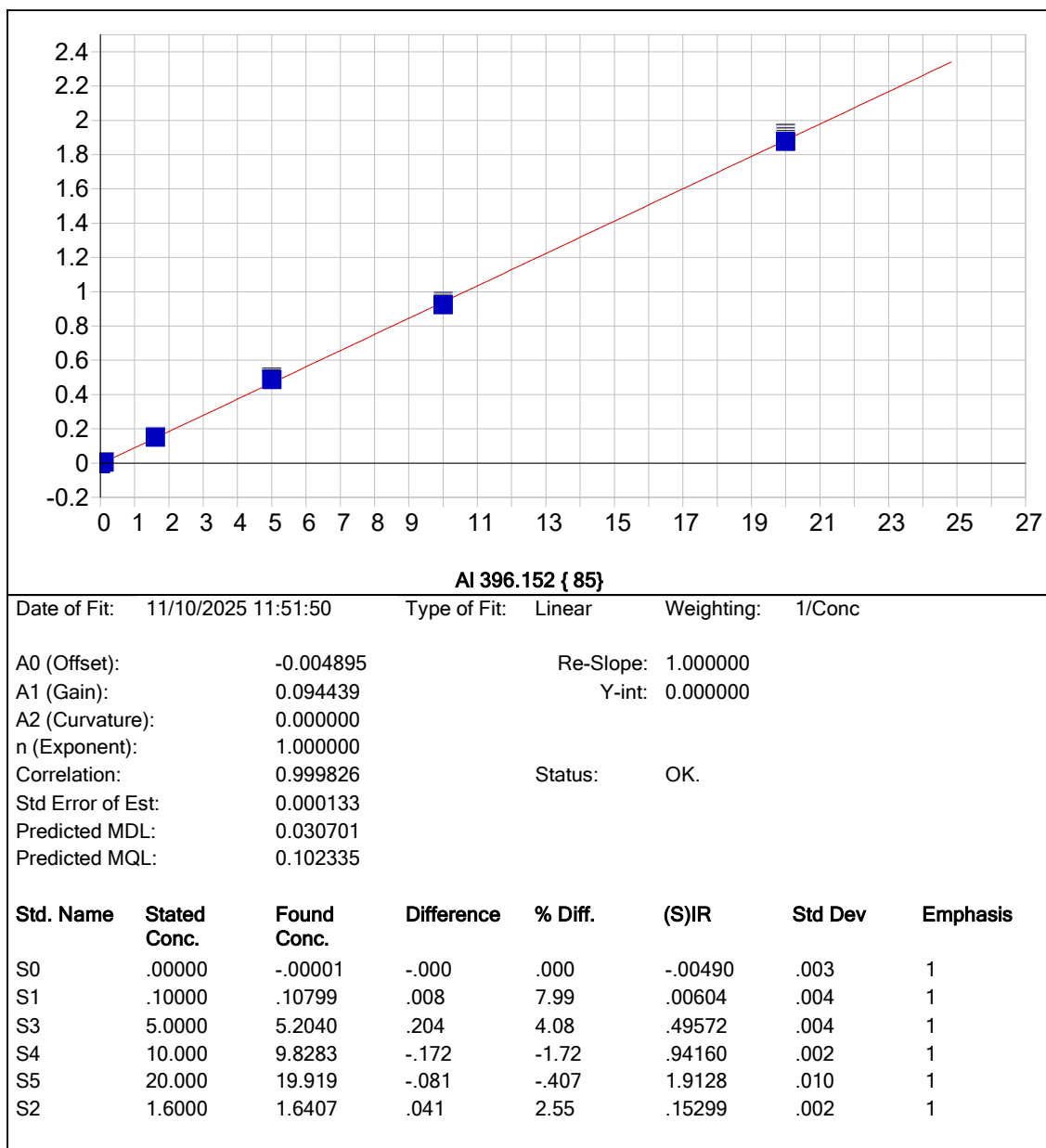
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00011	.000	1
S1	.02000	.02594	.006	29.7	.00105	.000	1
S3	2.5000	2.4892	-.011	-.432	.11155	.000	1
S4	5.0000	4.8490	-.151	-3.02	.21741	.000	1
S5	10.000	10.157	.157	1.57	.45554	.001	1
S2	.80000	.79931	-.001	-.086	.03574	.000	1





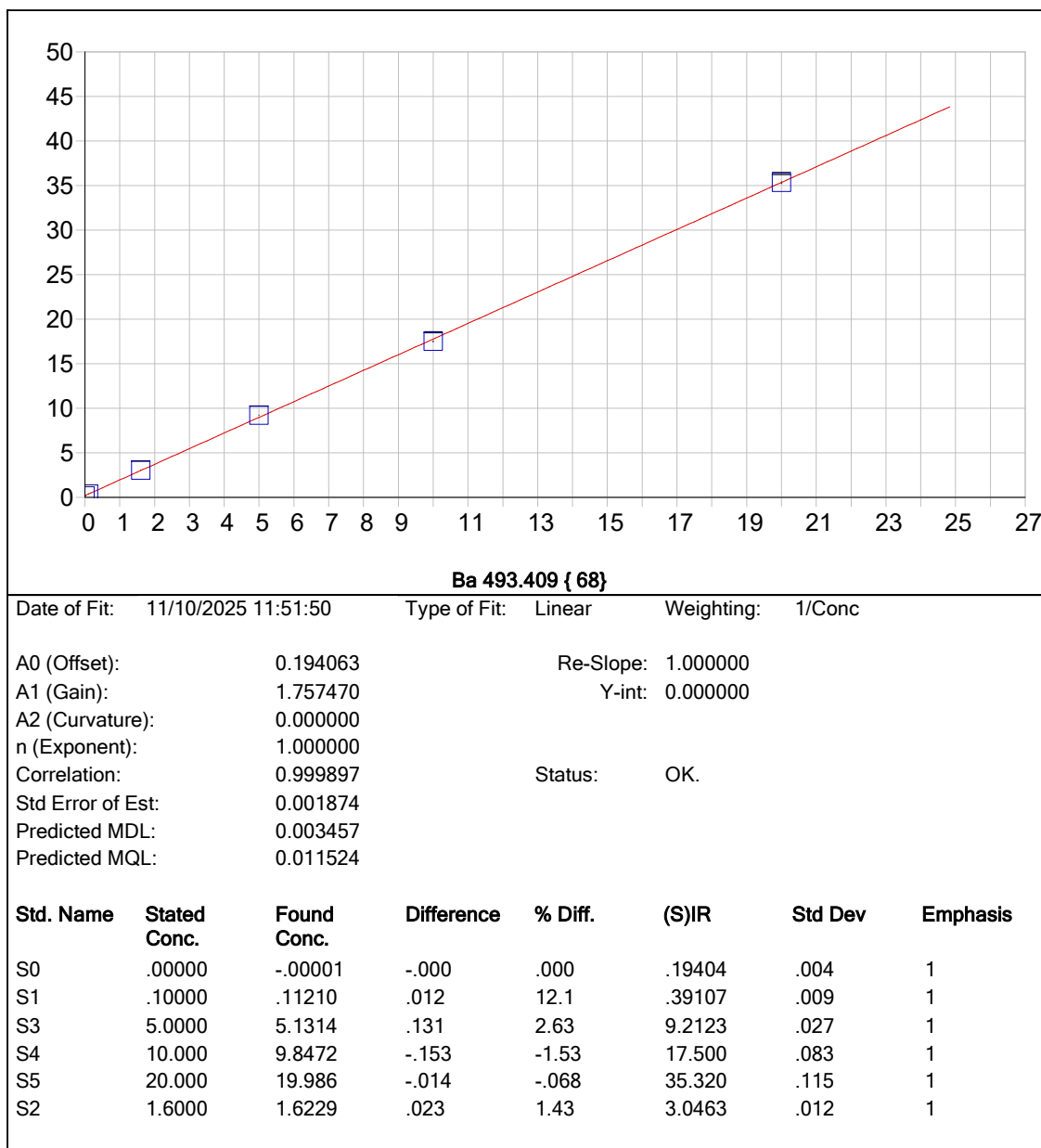


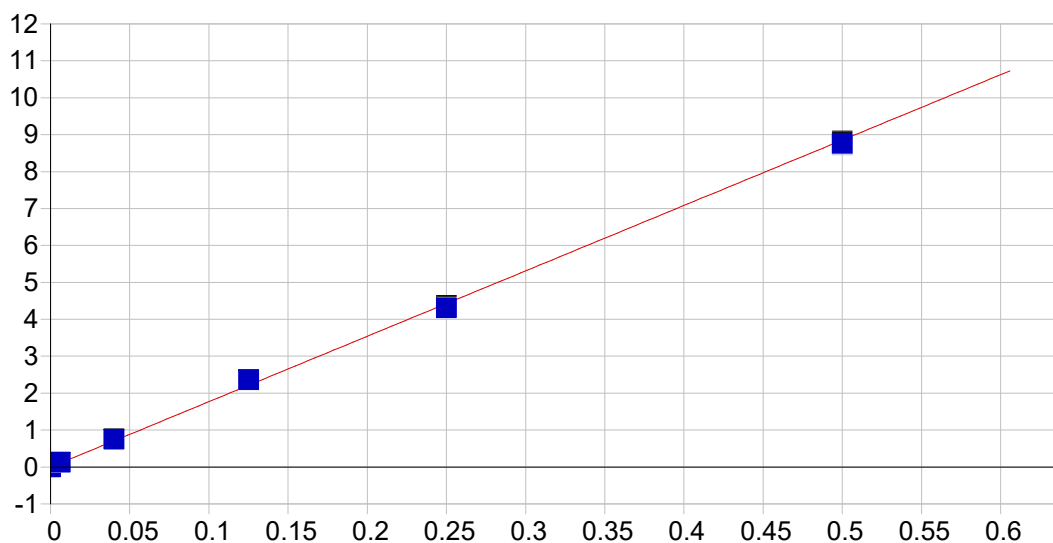




Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004895 Re-Slope: 1.000000
A1 (Gain): 0.094439 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999826 Status: OK.
Std Error of Est: 0.000133
Predicted MDL: 0.030701
Predicted MQL: 0.102335



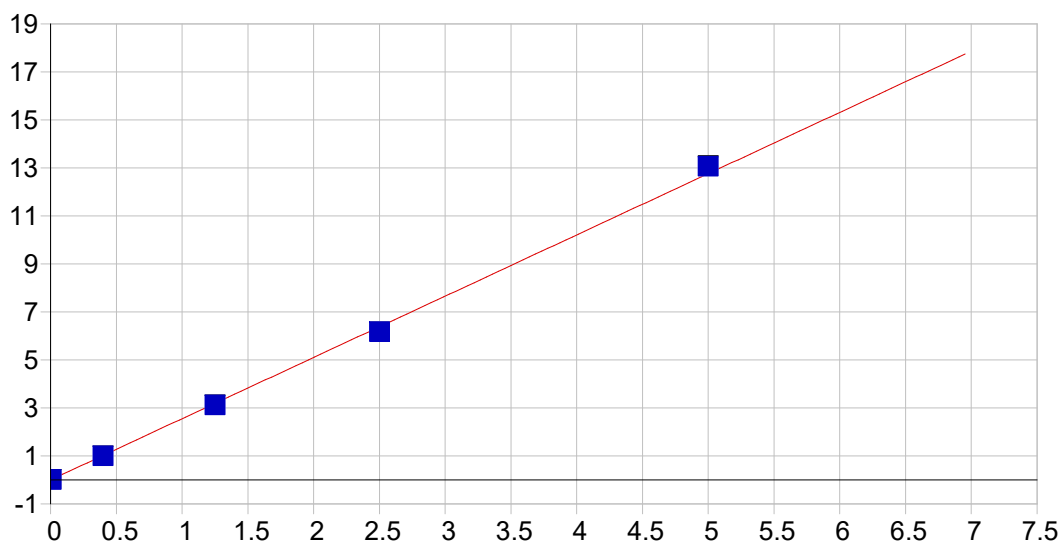


Be 234.861 {144}

Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002784 Re-Slope: 1.000000
A1 (Gain): 17.712843 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999385 Status: OK.
Std Error of Est: 0.001780
Predicted MDL: 0.000110
Predicted MQL: 0.000368

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00281	.001	1
S1	.00600	.00708	.001	18.0	.12178	.001	1
S3	.12500	.13340	.008	6.72	2.3501	.006	1
S4	.25000	.24363	-.006	-2.55	4.2927	.061	1
S5	.50000	.49451	-.005	-1.10	8.7167	.074	1
S2	.04000	.04239	.002	5.98	.74493	.007	1

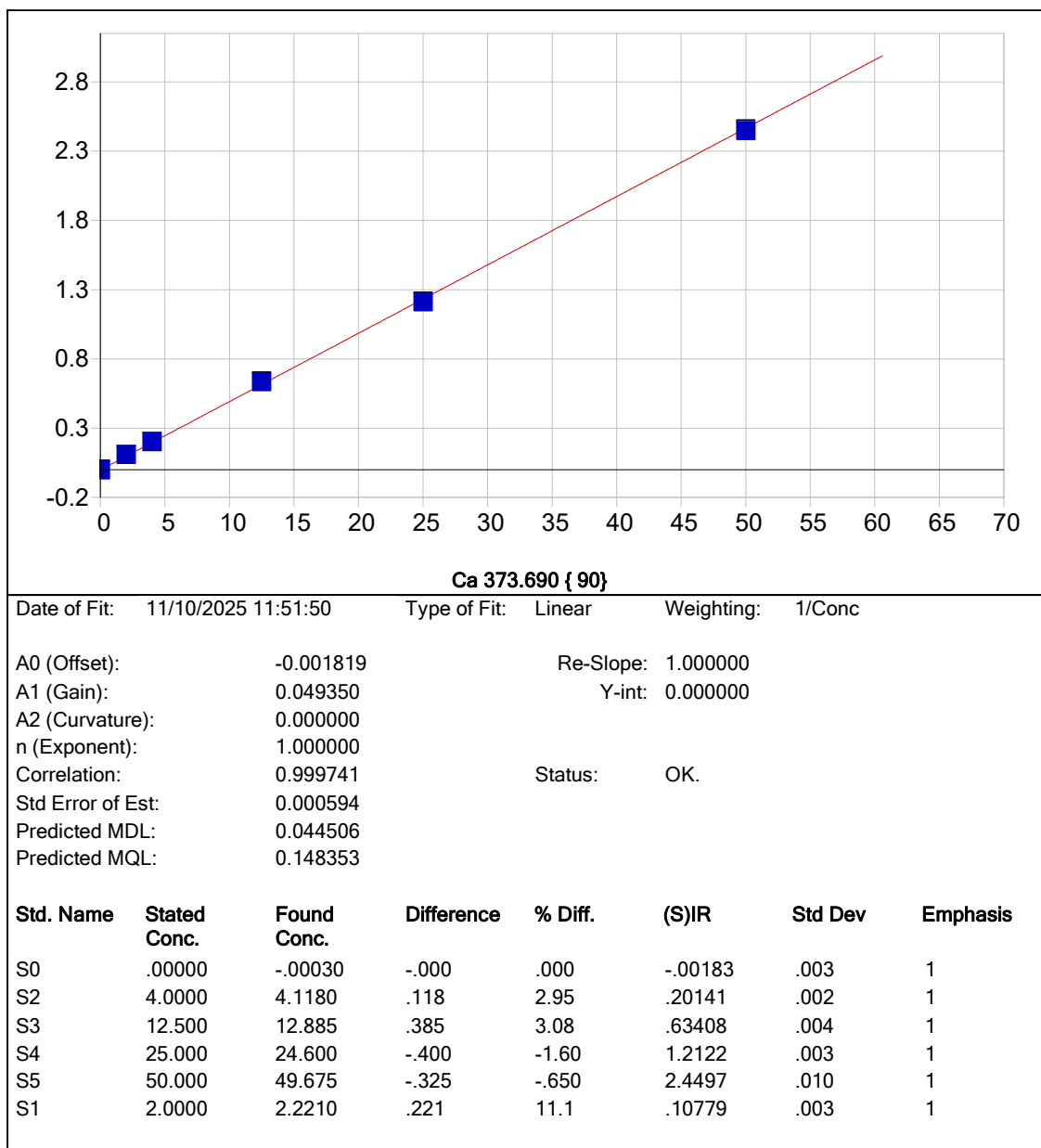


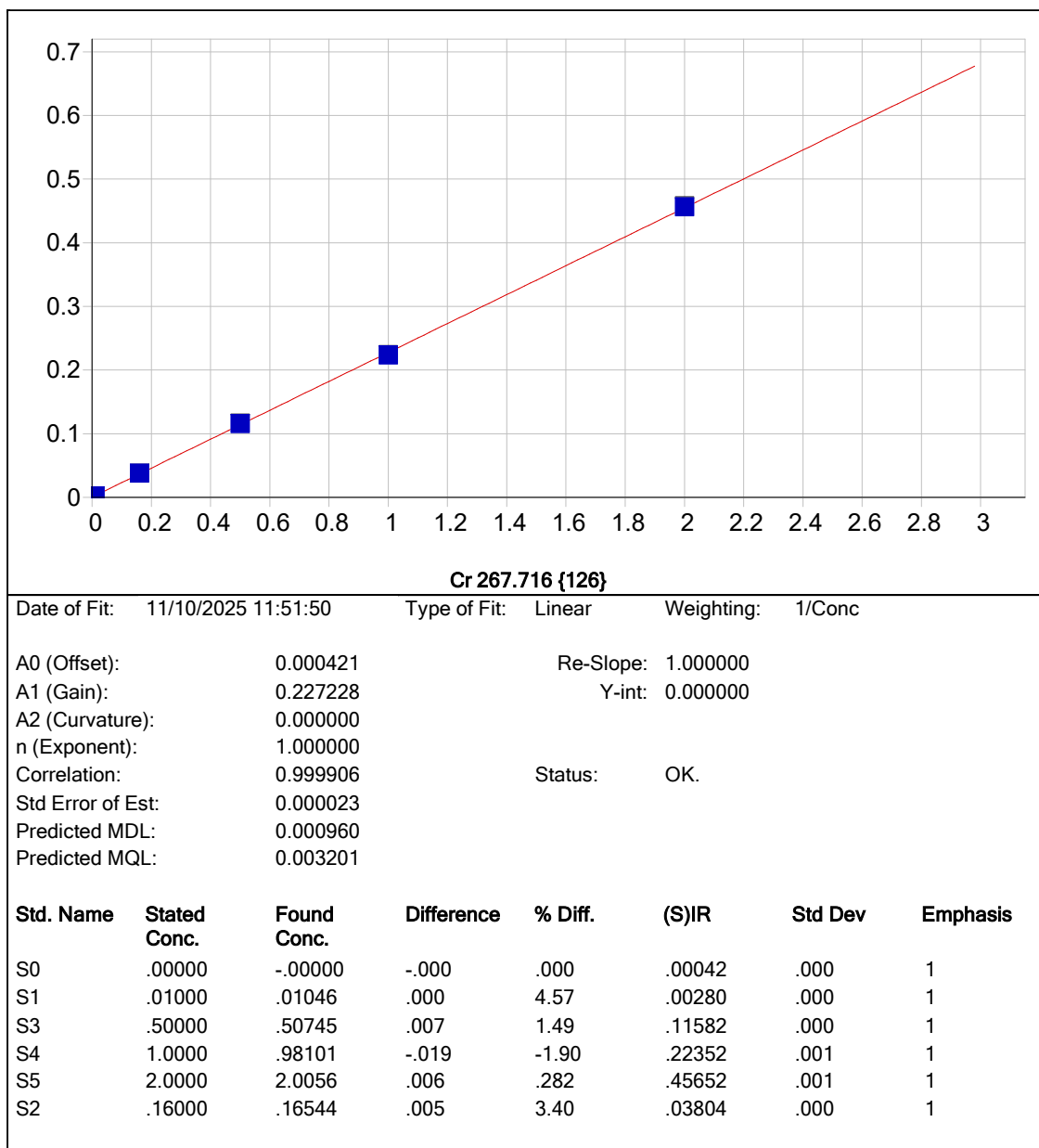
Cd 226.502 {449}

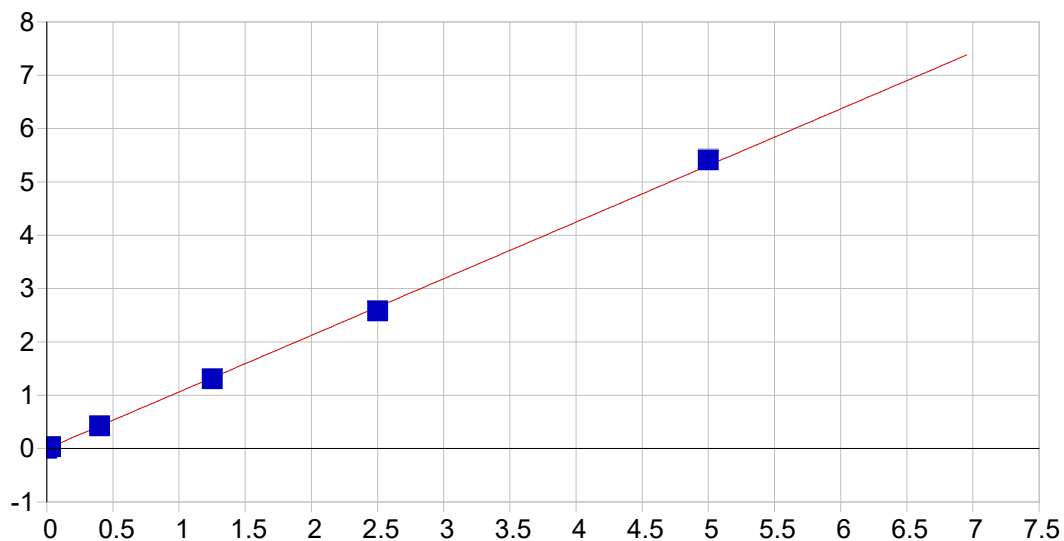
Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002015 Re-Slope: 1.000000
A1 (Gain): 2.552566 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999659 Status: OK.
Std Error of Est: 0.000605
Predicted MDL: 0.000186
Predicted MQL: 0.000620

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00201	.000	1
S1	.00600	.00622	.000	3.73	.01392	.000	1
S3	1.2500	1.2220	-.028	-2.24	3.1194	.005	1
S4	2.5000	2.4196	-.080	-3.22	6.1784	.007	1
S5	5.0000	5.1181	.118	2.36	13.071	.018	1
S2	.40000	.39005	-.010	-2.49	.99428	.002	1





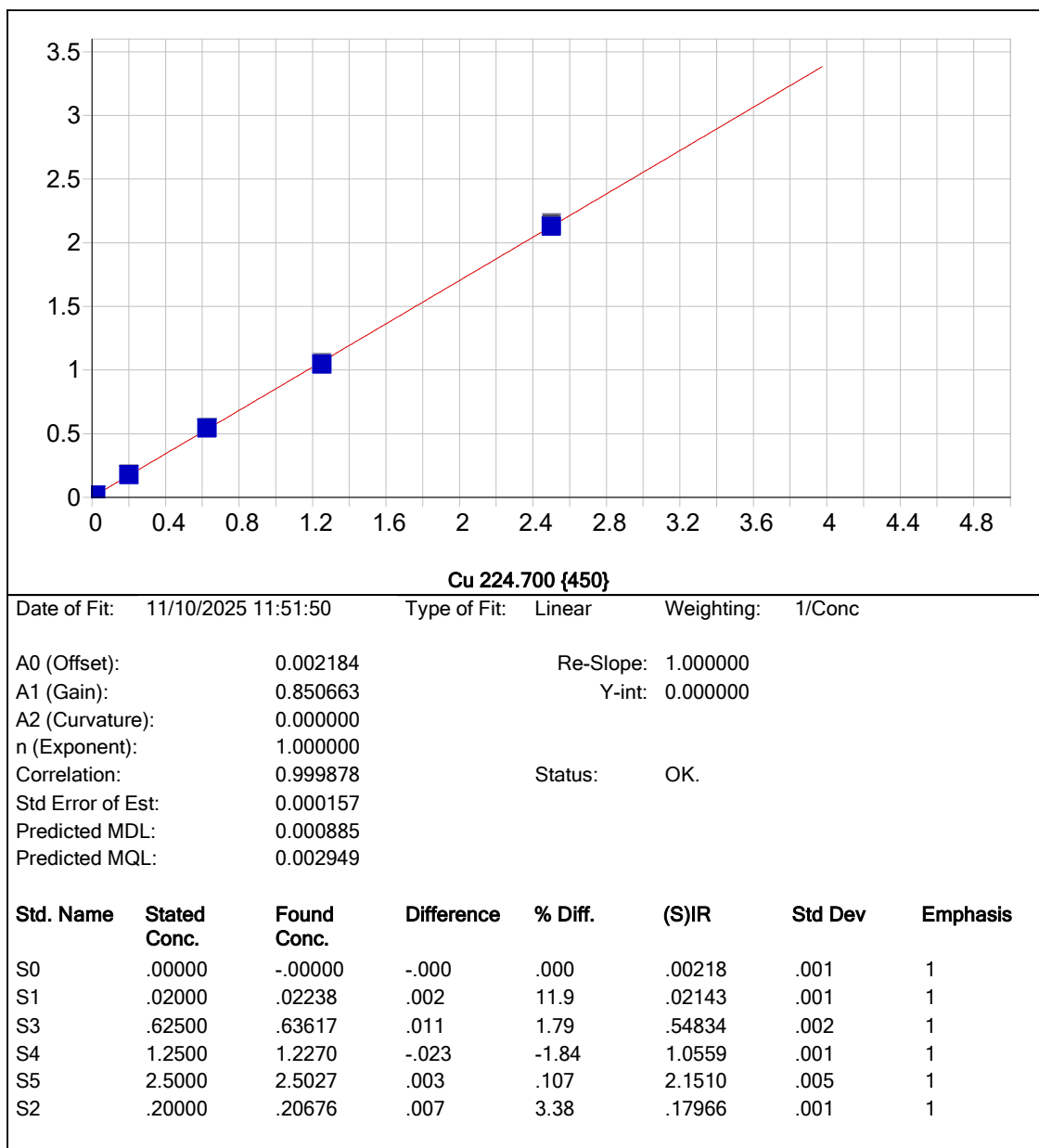


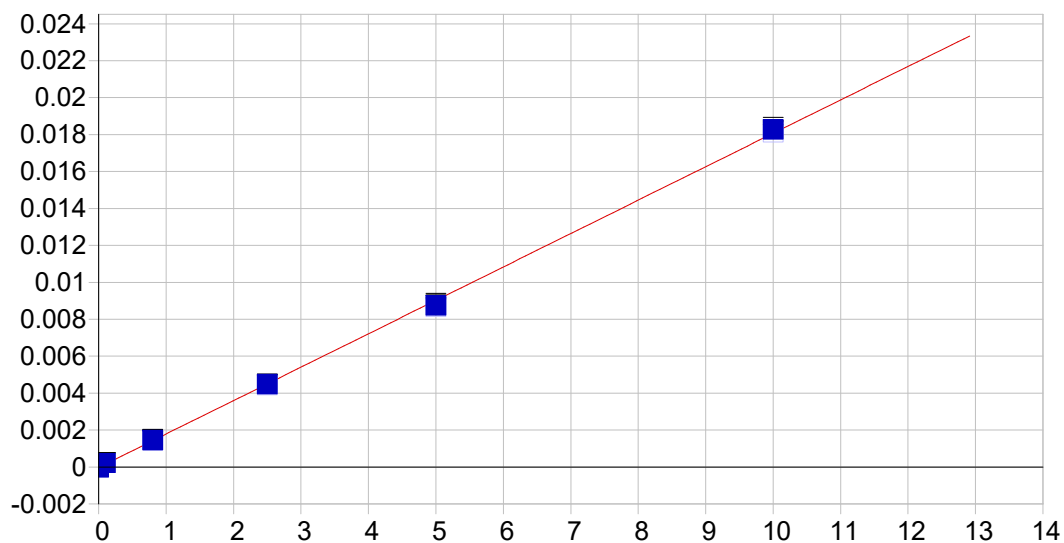
Co 228.616 {448}

Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000199 Re-Slope: 1.000000
A1 (Gain): 1.061420 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999753 Status: OK.
Std Error of Est: 0.000480
Predicted MDL: 0.000414
Predicted MQL: 0.001382

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00020	.000	1
S1	.03000	.03155	.002	5.15	.03355	.000	1
S3	1.2500	1.2309	-.019	-1.53	1.3090	.001	1
S4	2.5000	2.4256	-.074	-2.98	2.5793	.002	1
S5	5.0000	5.0973	.097	1.95	5.4196	.004	1
S2	.40000	.39460	-.005	-1.35	.41976	.002	1



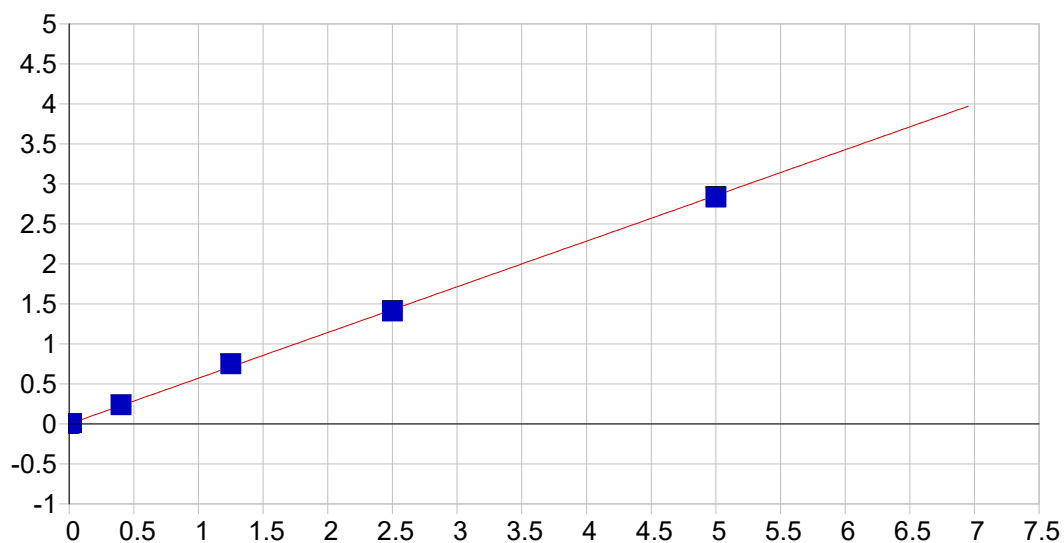


Fe 240.488 {140}

Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000026 Re-Slope: 1.000000
A1 (Gain): 0.001810 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999502 Status: OK.
Std Error of Est: 0.000003
Predicted MDL: 0.033160
Predicted MQL: 0.110532

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	-.00003	.000	1
S1	.10000	.13455	.035	34.6	.00022	.000	1
S3	2.5000	2.4874	-.013	-.506	.00444	.000	1
S4	5.0000	4.8509	-.149	-2.98	.00867	.000	1
S5	10.000	10.111	.111	1.11	.01812	.000	1
S2	.80000	.81672	.017	2.09	.00144	.000	1

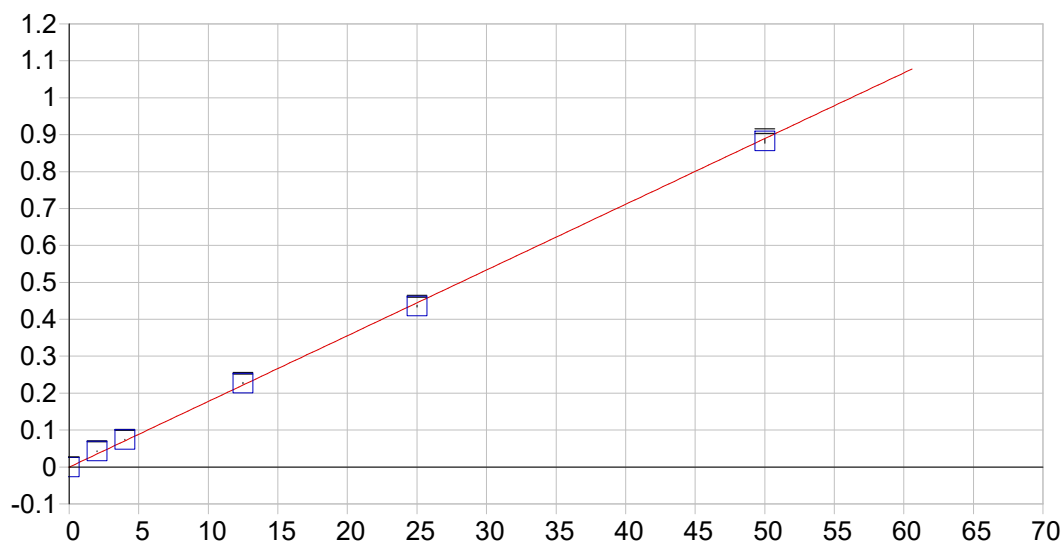


Mn 257.610 {131}

Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000266 Re-Slope: 1.000000
A1 (Gain): 0.571187 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999758 Status: OK.
Std Error of Est: 0.000209
Predicted MDL: 0.001511
Predicted MQL: 0.005036

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00026	.001	1
S1	.02000	.02205	.002	10.2	.01286	.001	1
S3	1.2500	1.3112	.061	4.90	.74937	.002	1
S4	2.5000	2.4643	-.036	-1.43	1.4081	.009	1
S5	5.0000	4.9597	-.040	-.806	2.8338	.006	1
S2	.40000	.41274	.013	3.18	.23606	.002	1

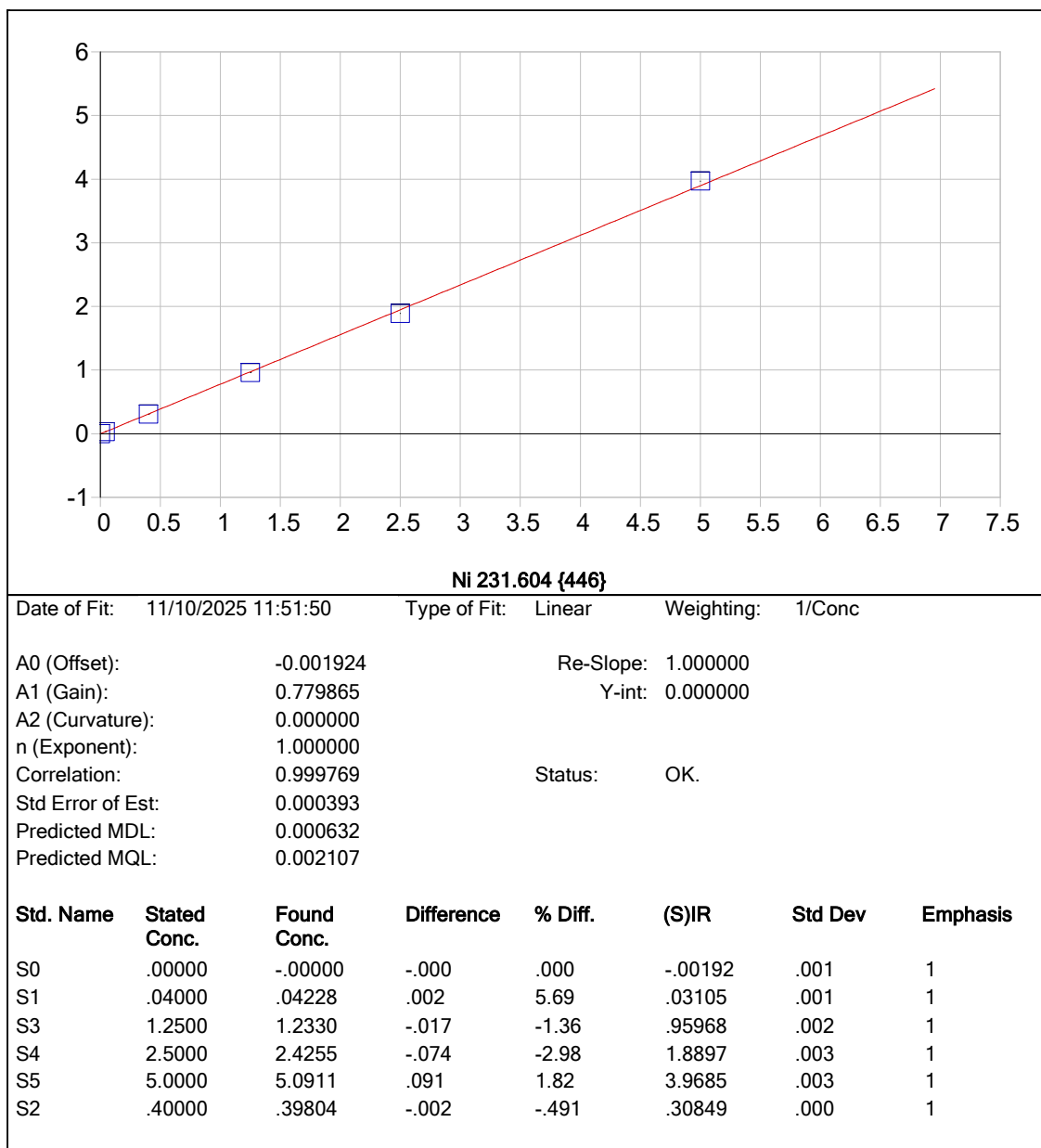


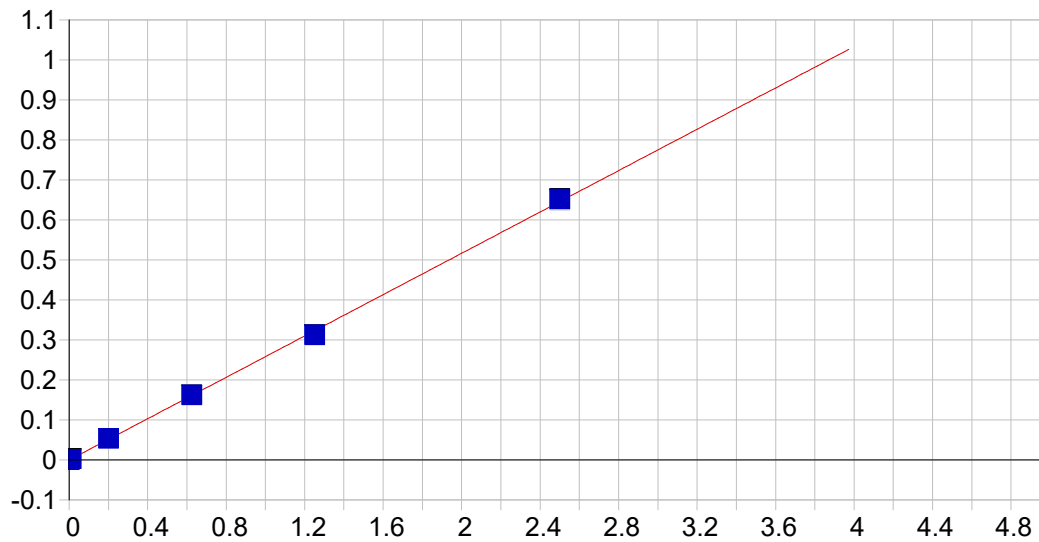
Mg 279.079 {121}

Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000411	Re-Slope:	1.000000
A1 (Gain):	0.017797	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999398	Status:	OK.
Std Error of Est:	0.000327		
Predicted MDL:	0.063546		
Predicted MQL:	0.211819		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00049	-.000	.000	-.00042	.001	1
S2	4.0000	4.1702	.170	4.26	.07381	.001	1
S3	12.500	12.787	.287	2.29	.22715	.002	1
S4	25.000	24.508	-.492	-1.97	.43575	.003	1
S5	50.000	49.620	-.380	-.760	.88268	.006	1
S1	2.0000	2.4151	.415	20.8	.04257	.001	1



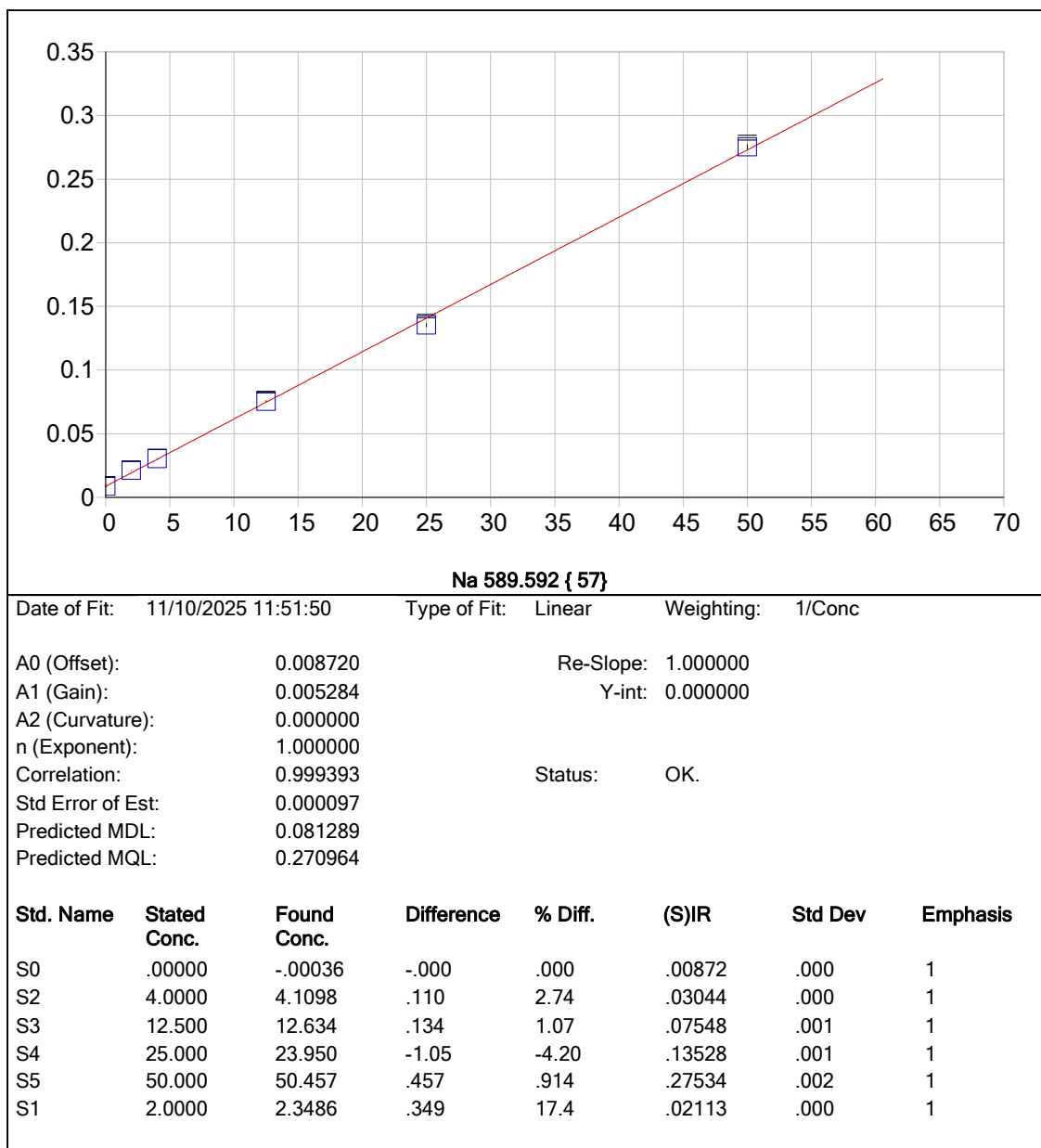


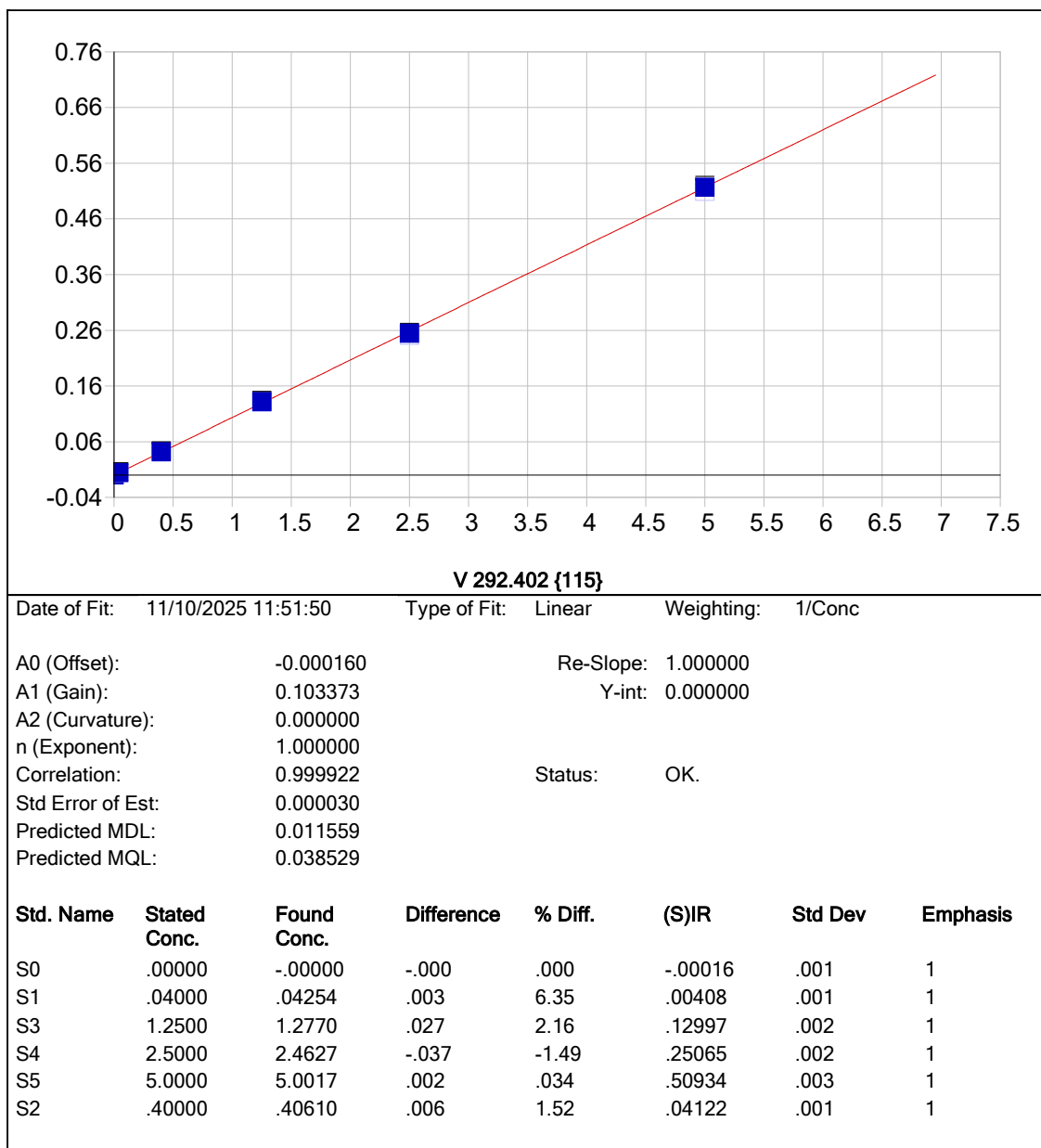
Ag 328.068 {103}

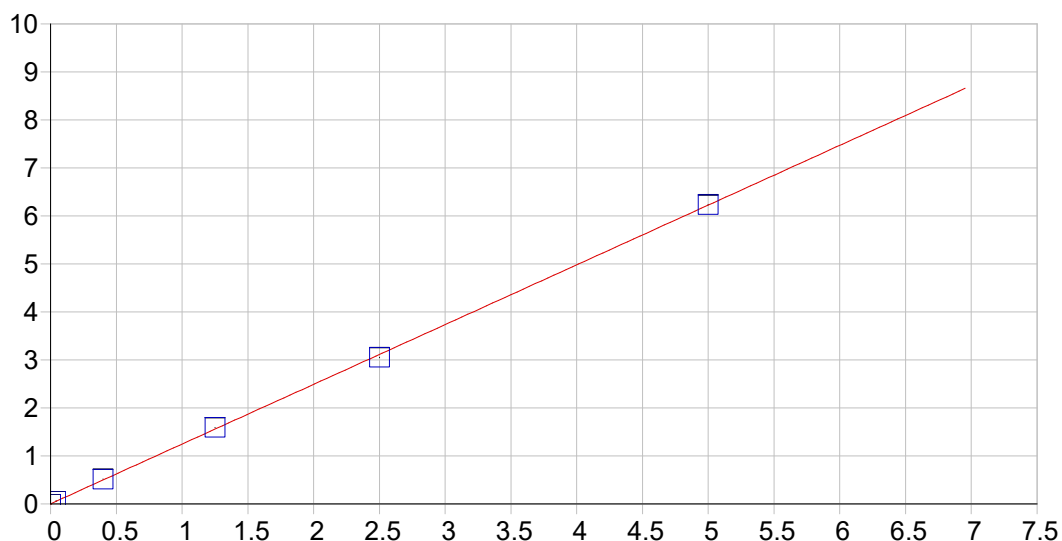
Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000316 Re-Slope: 1.000000
A1 (Gain): 0.258418 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999756 Status: OK.
Std Error of Est: 0.000047
Predicted MDL: 0.001416
Predicted MQL: 0.004719

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00032	.000	1
S1	.01000	.01181	.002	18.1	.00271	.000	1
S3	.62500	.62902	.004	.643	.16145	.000	1
S4	1.2500	1.2110	-.039	-3.12	.31106	.000	1
S5	2.5000	2.5241	.024	.965	.64883	.002	1
S2	.20000	.20906	.009	4.53	.05346	.000	1





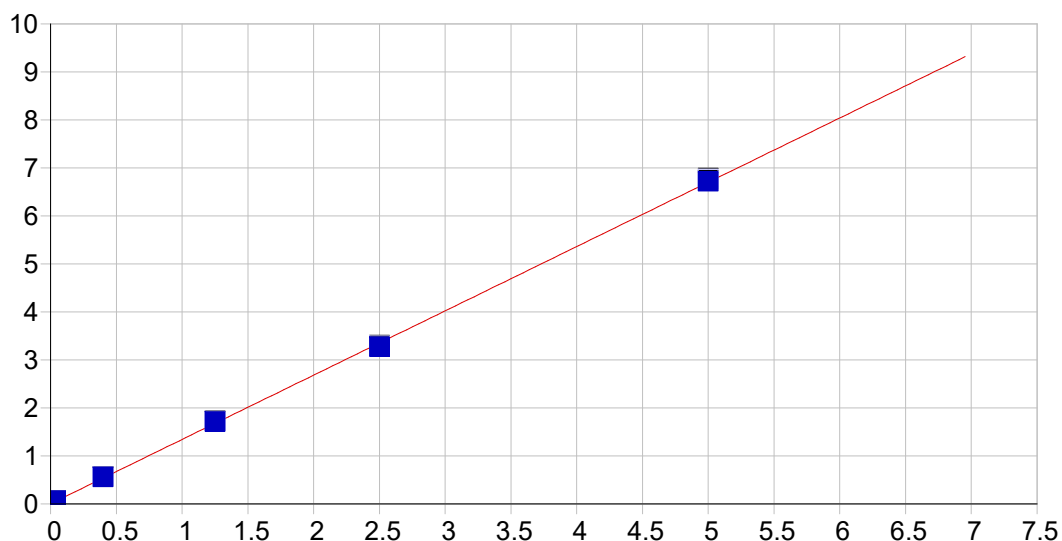


Zn 206.200 {464}

Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001607 Re-Slope: 1.000000
A1 (Gain): 1.244787 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999860 Status: OK.
Std Error of Est: 0.000489
Predicted MDL: 0.000330
Predicted MQL: 0.001101

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00160	.000	1
S1	.04000	.04484	.005	12.1	.05742	.000	1
S3	1.2500	1.2764	.026	2.11	1.5904	.005	1
S4	2.5000	2.4503	-.050	-1.99	3.0517	.002	1
S5	5.0000	5.0052	.005	.104	6.2320	.008	1
S2	.40000	.41327	.013	3.32	.51605	.001	1

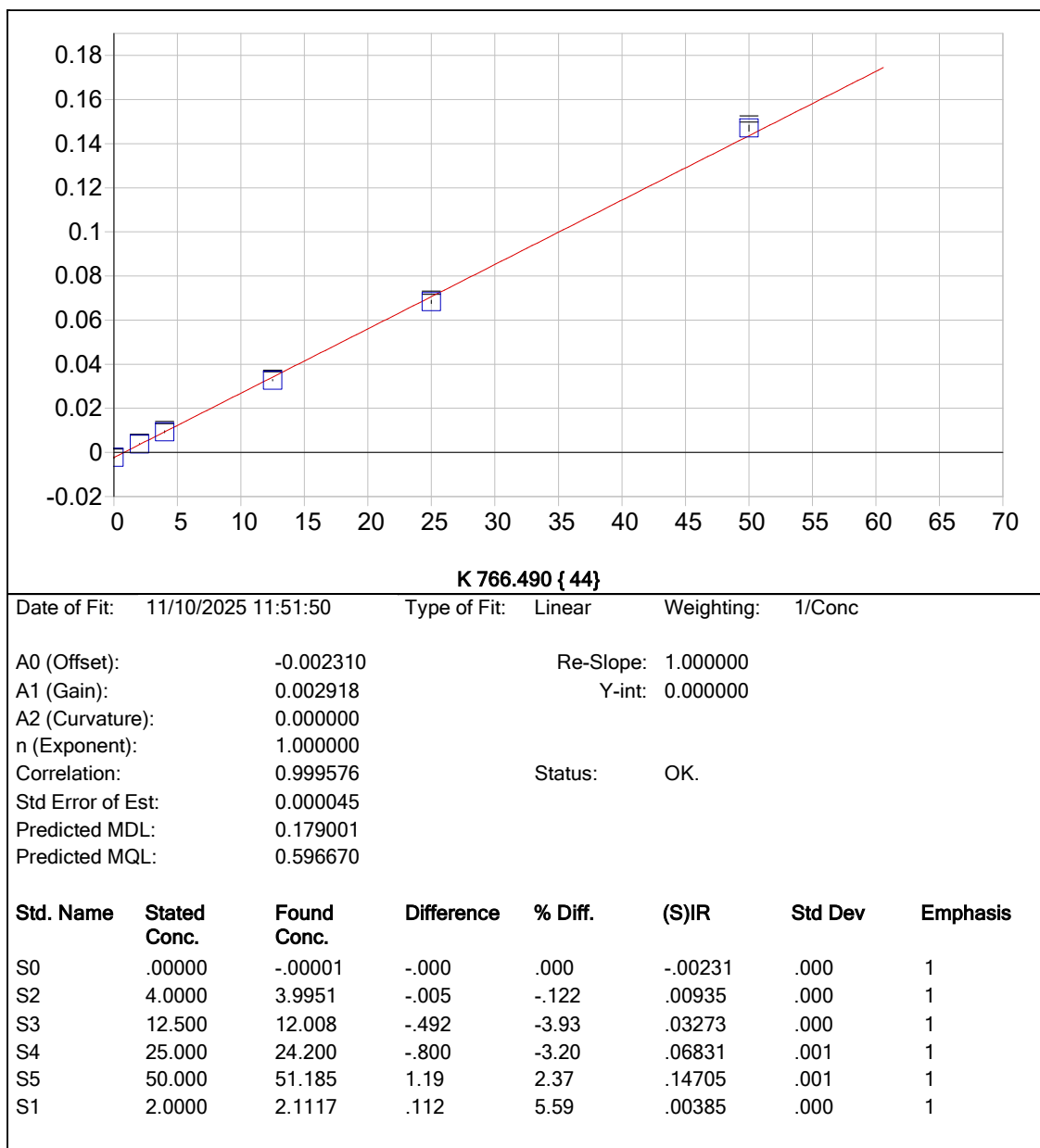


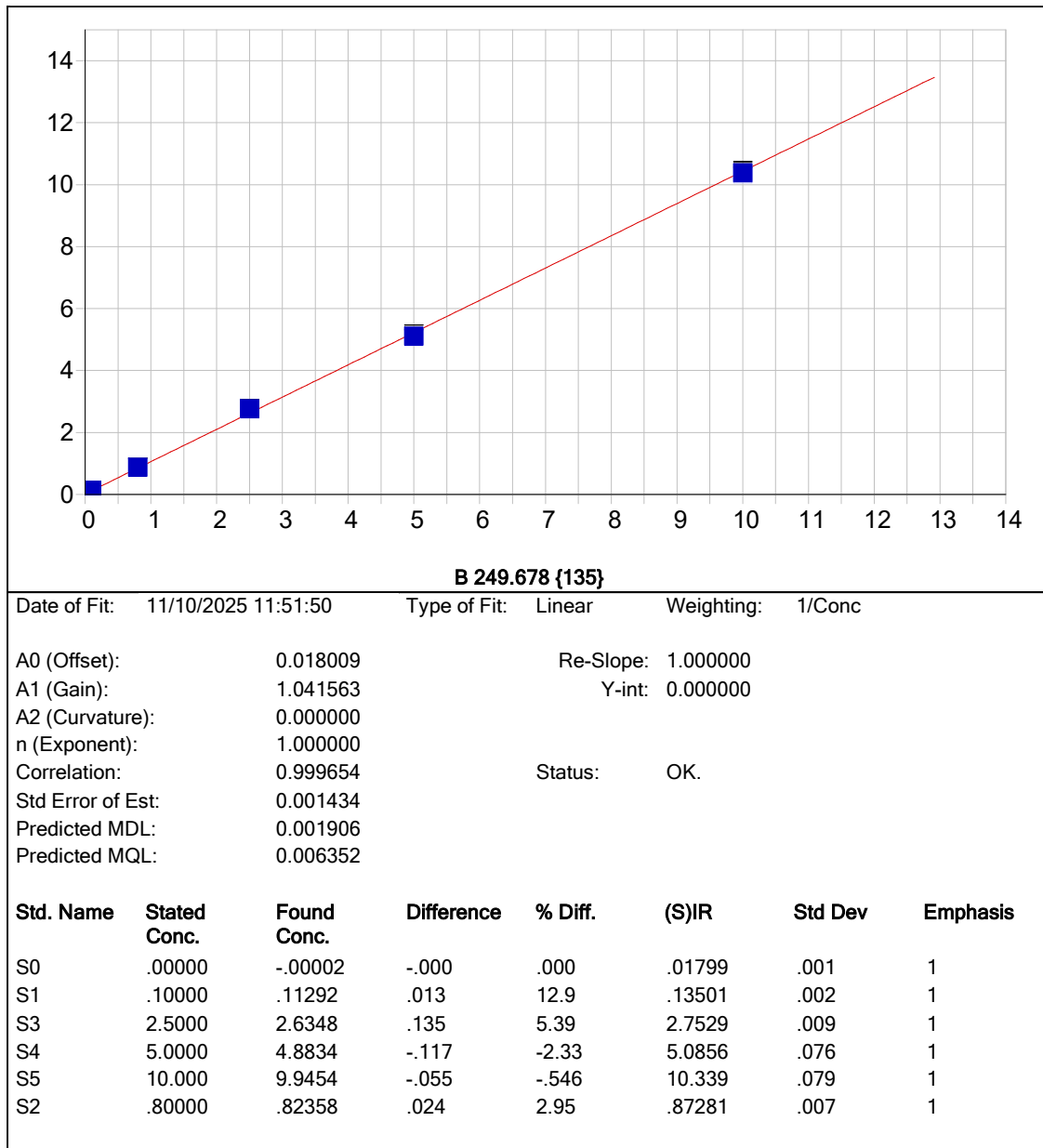
Zn 213.856 {158}

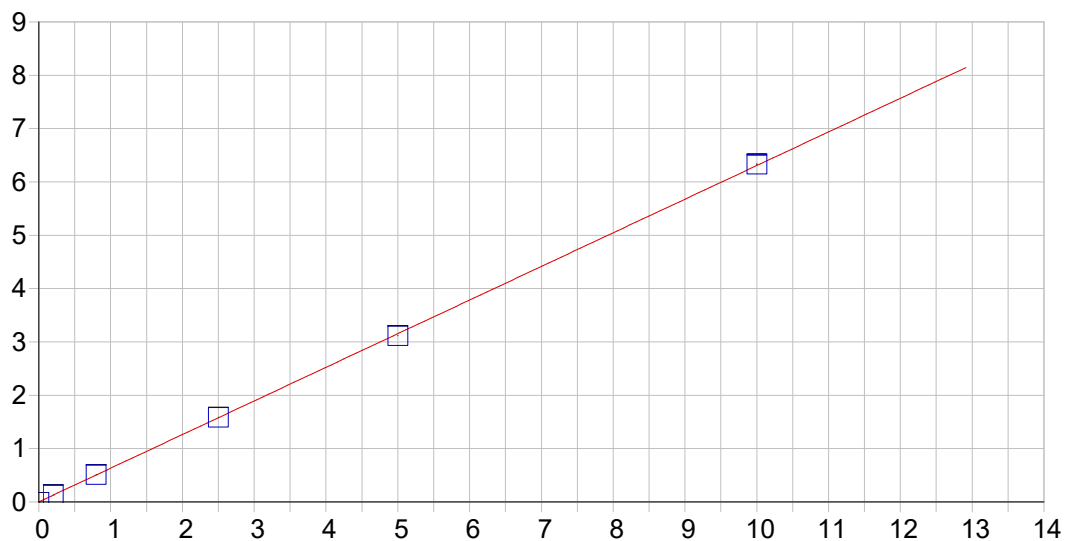
Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003838 Re-Slope: 1.000000
A1 (Gain): 1.339373 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999818 Status: OK.
Std Error of Est: 0.000604
Predicted MDL: 0.000716
Predicted MQL: 0.002387

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00383	.001	1
S1	.04000	.04508	.005	12.7	.06459	.001	1
S3	1.2500	1.2784	.028	2.27	1.7277	.002	1
S4	2.5000	2.4388	-.061	-2.45	3.2936	.012	1
S5	5.0000	5.0127	.013	.254	6.7643	.024	1
S2	.40000	.41507	.015	3.77	.56350	.002	1





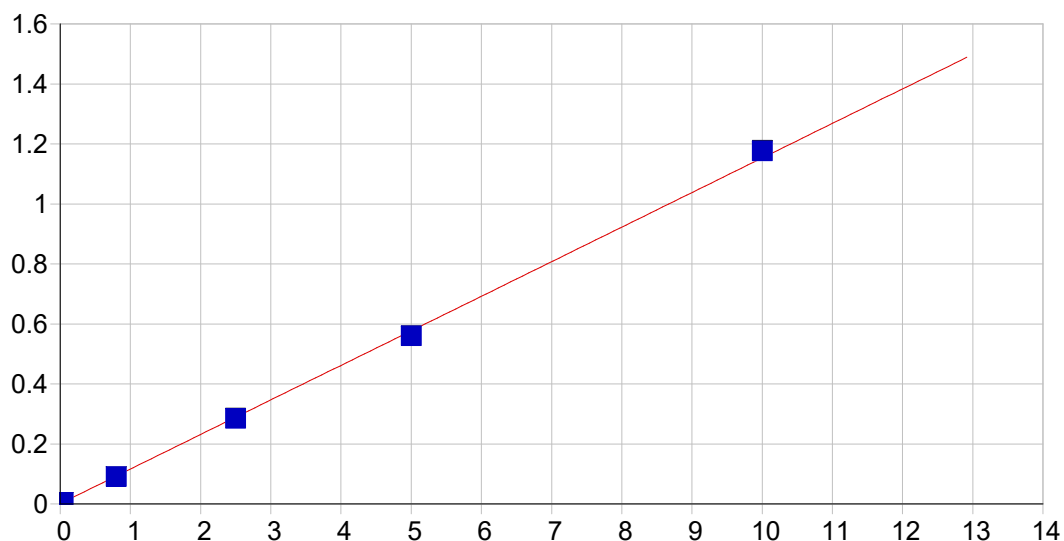


Mo 202.030 {467}

Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001360 Re-Slope: 1.000000
A1 (Gain): 0.630580 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999966 Status: OK.
Std Error of Est: 0.000387
Predicted MDL: 0.000674
Predicted MQL: 0.002246

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00135	.000	1
S1	.20000	.20668	.007	3.34	.13169	.000	1
S3	2.5000	2.5128	.013	.514	1.5859	.003	1
S4	5.0000	4.9377	-.062	-1.25	3.1150	.004	1
S5	10.000	10.036	.036	.355	6.3296	.012	1
S2	.80000	.80727	.007	.909	.51041	.001	1

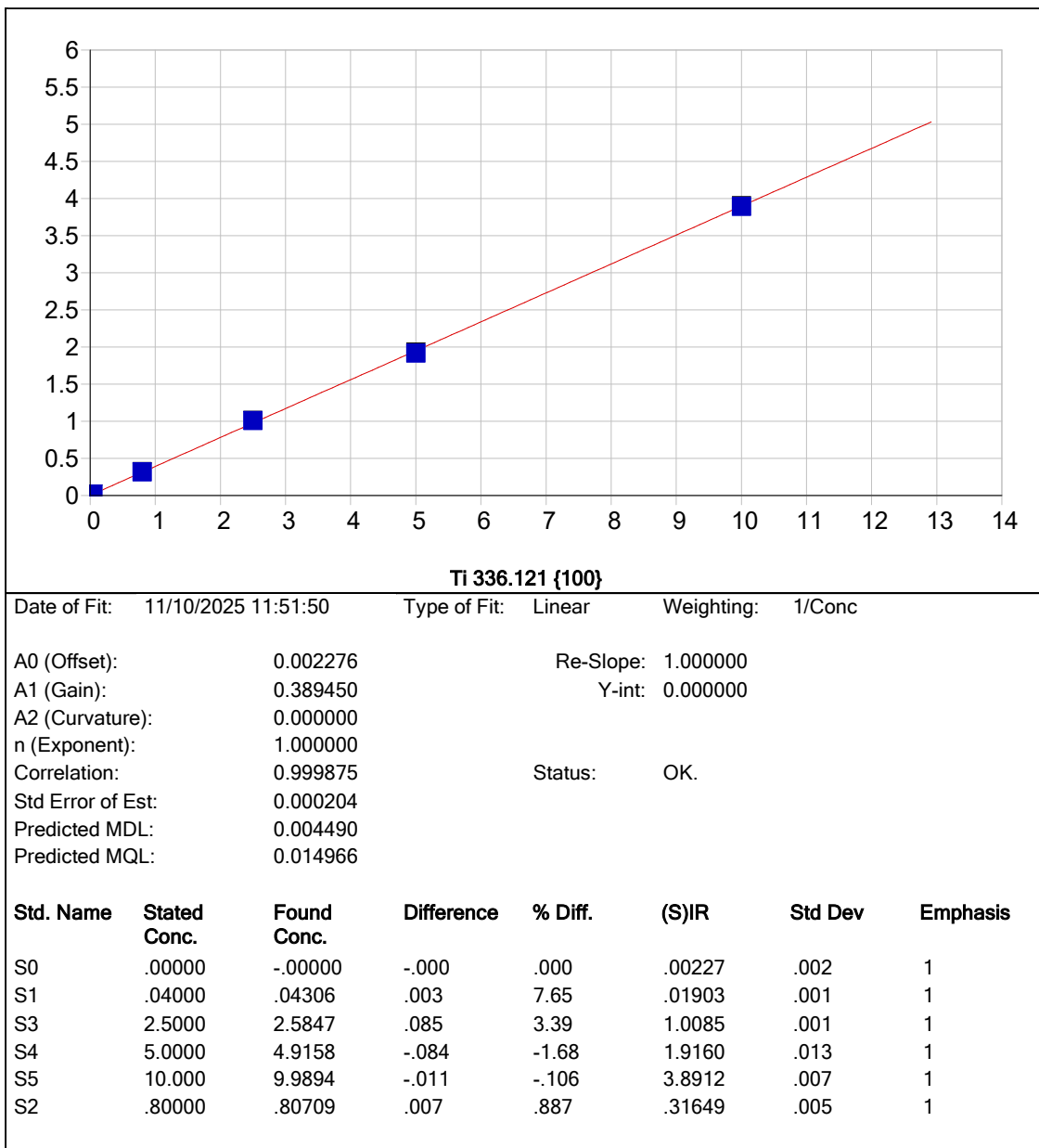


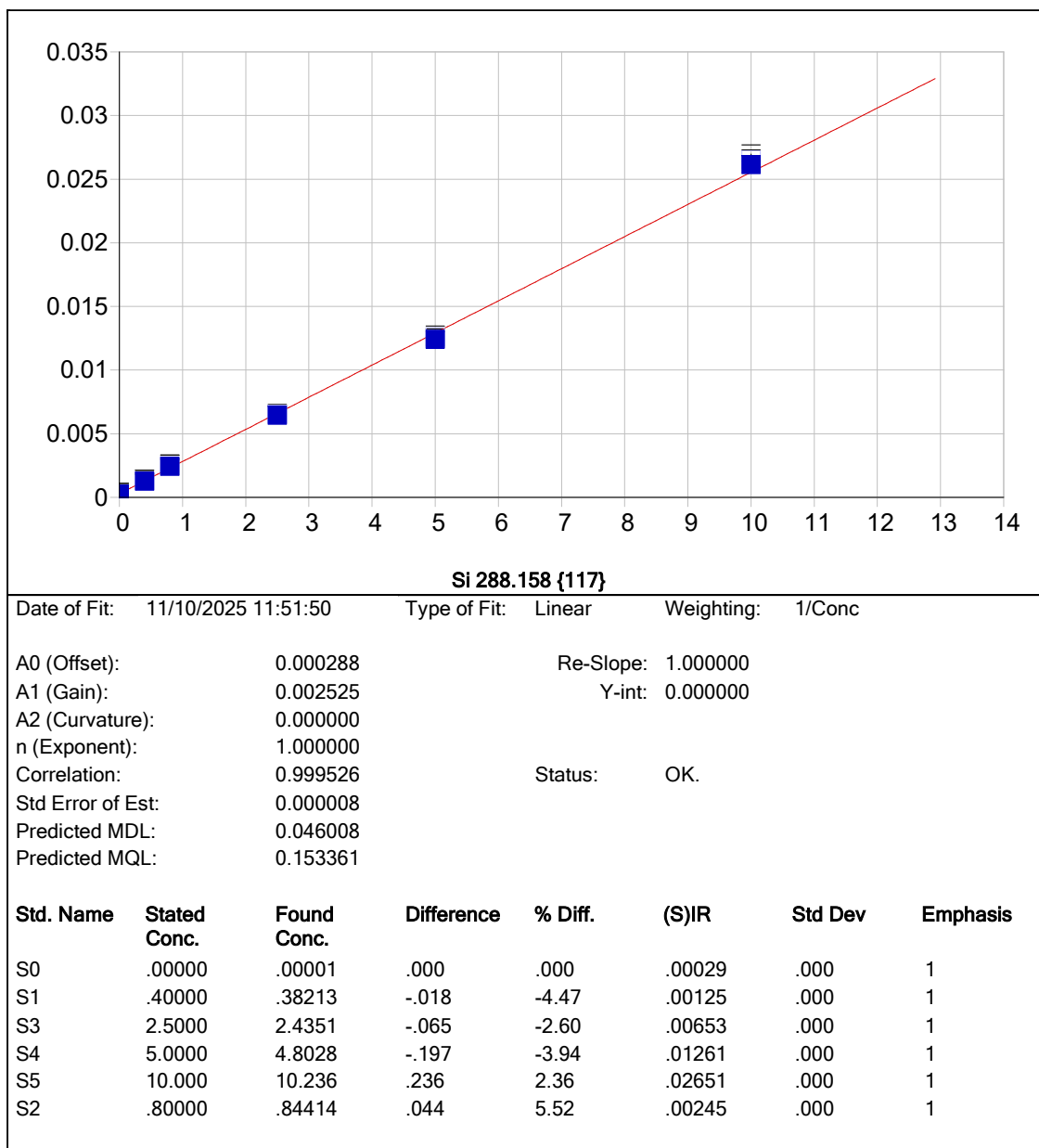
Sn 189.989 {478}

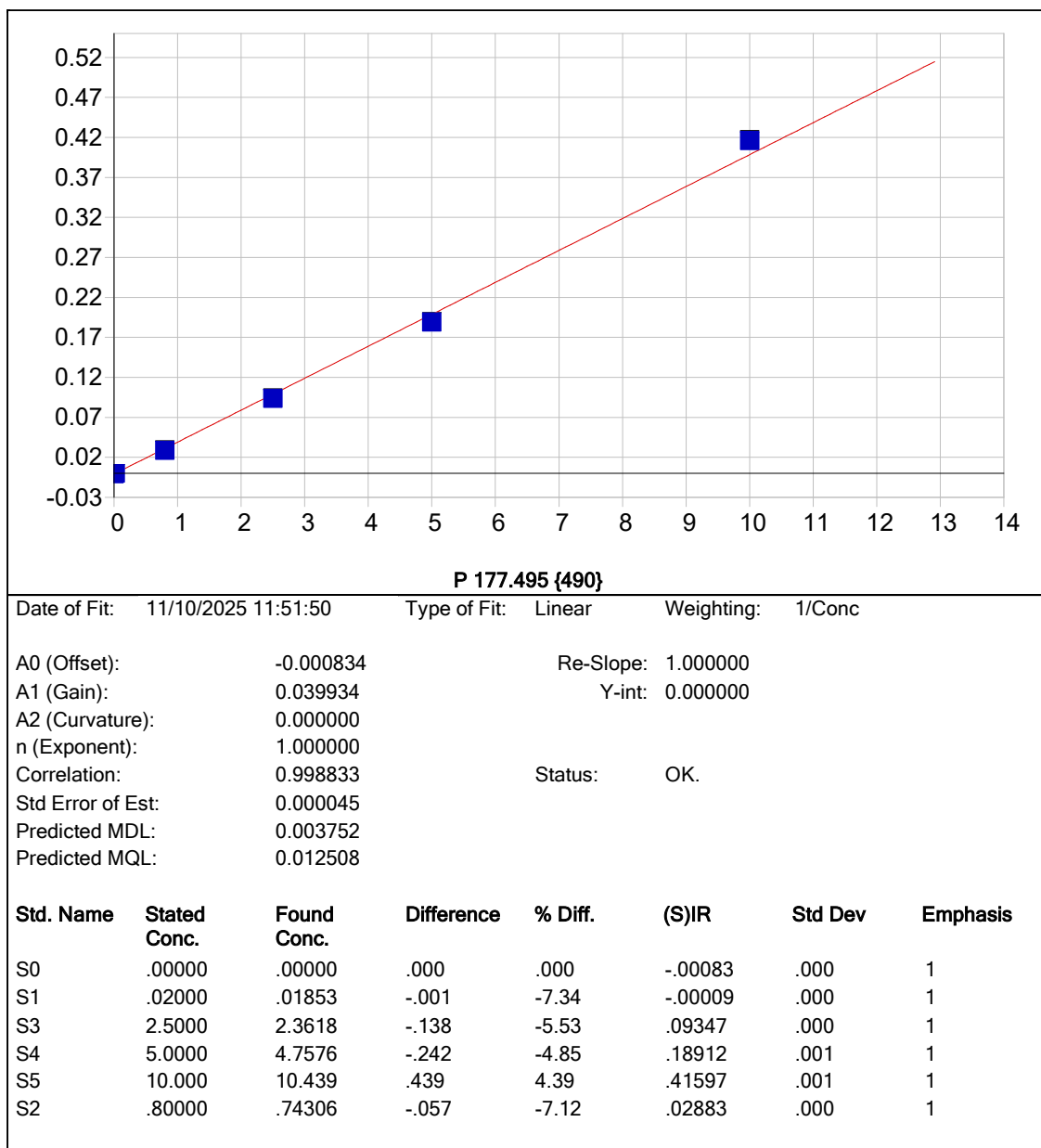
Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000965 Re-Slope: 1.000000
A1 (Gain): 0.115202 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999741 Status: OK.
Std Error of Est: 0.000087
Predicted MDL: 0.001617
Predicted MQL: 0.005389

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00097	.000	1
S1	.04000	.03895	-.001	-2.62	.00545	.000	1
S3	2.5000	2.4643	-.036	-1.43	.28456	.001	1
S4	5.0000	4.8543	-.146	-2.91	.55960	.001	1
S5	10.000	10.204	.204	2.04	1.1753	.002	1
S2	.80000	.77885	-.021	-2.64	.09060	.000	1

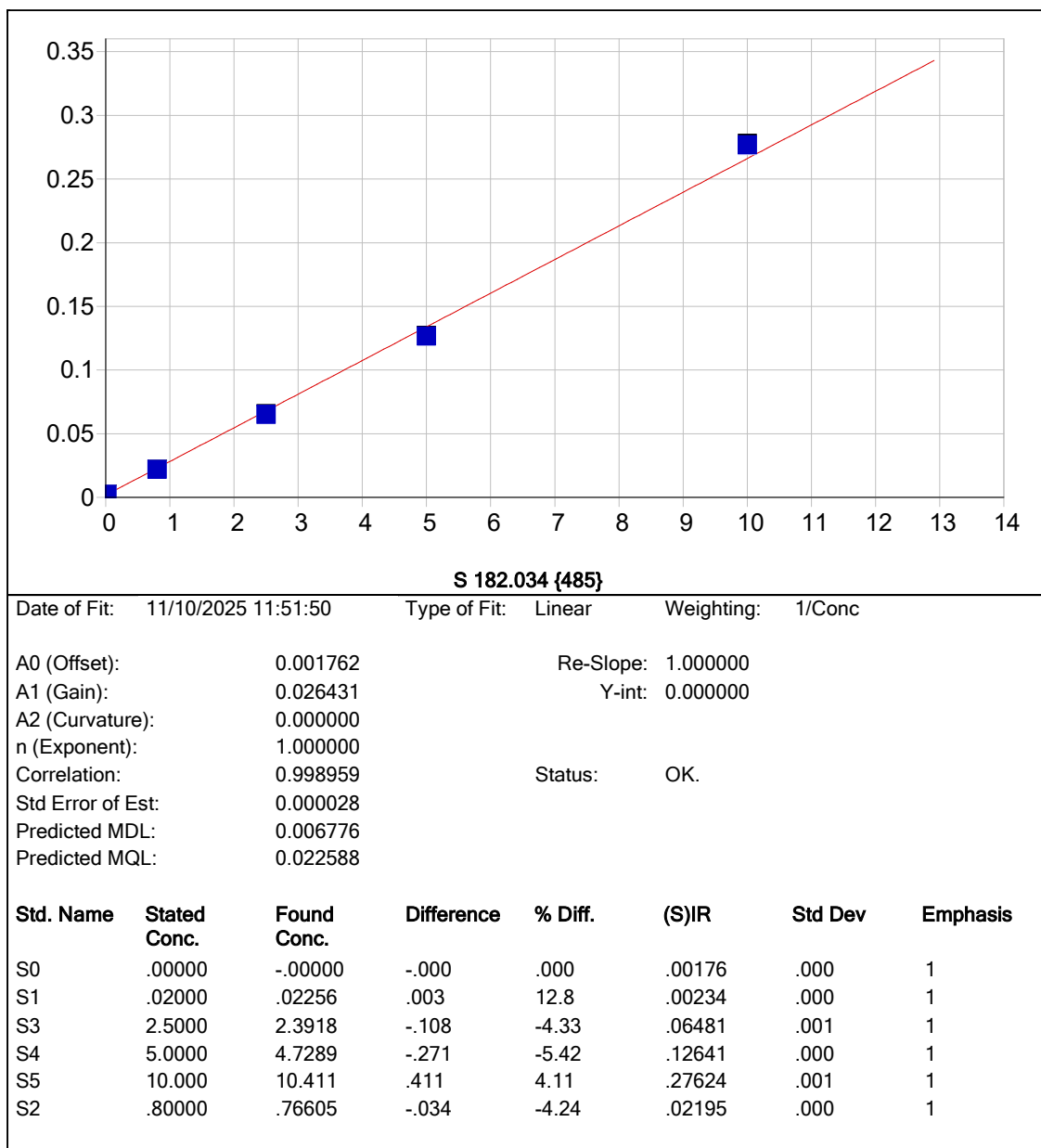


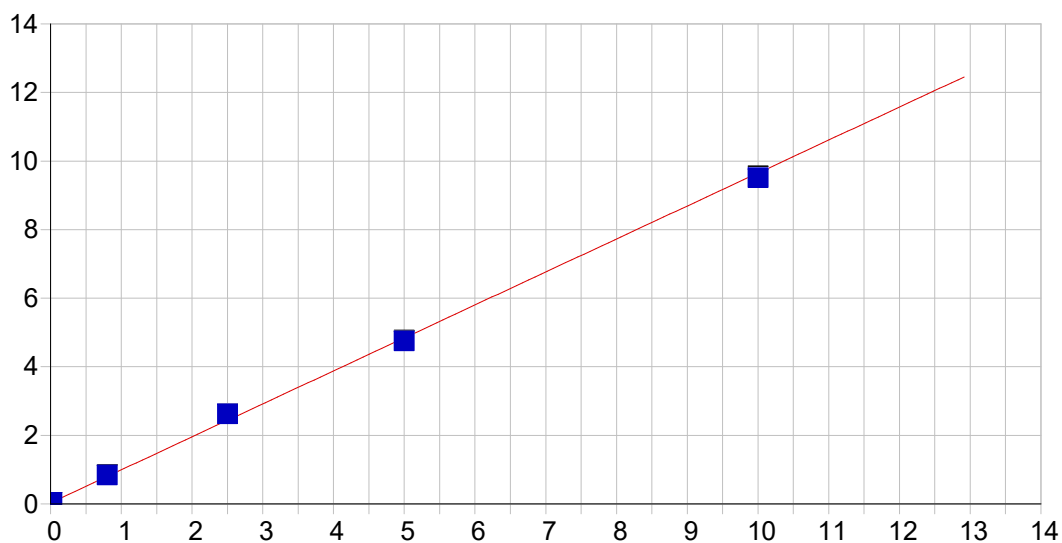




Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000834 Re-Slope: 1.000000
A1 (Gain): 0.039934 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.998833 Status: OK.
Std Error of Est: 0.000045
Predicted MDL: 0.003752
Predicted MQL: 0.012508



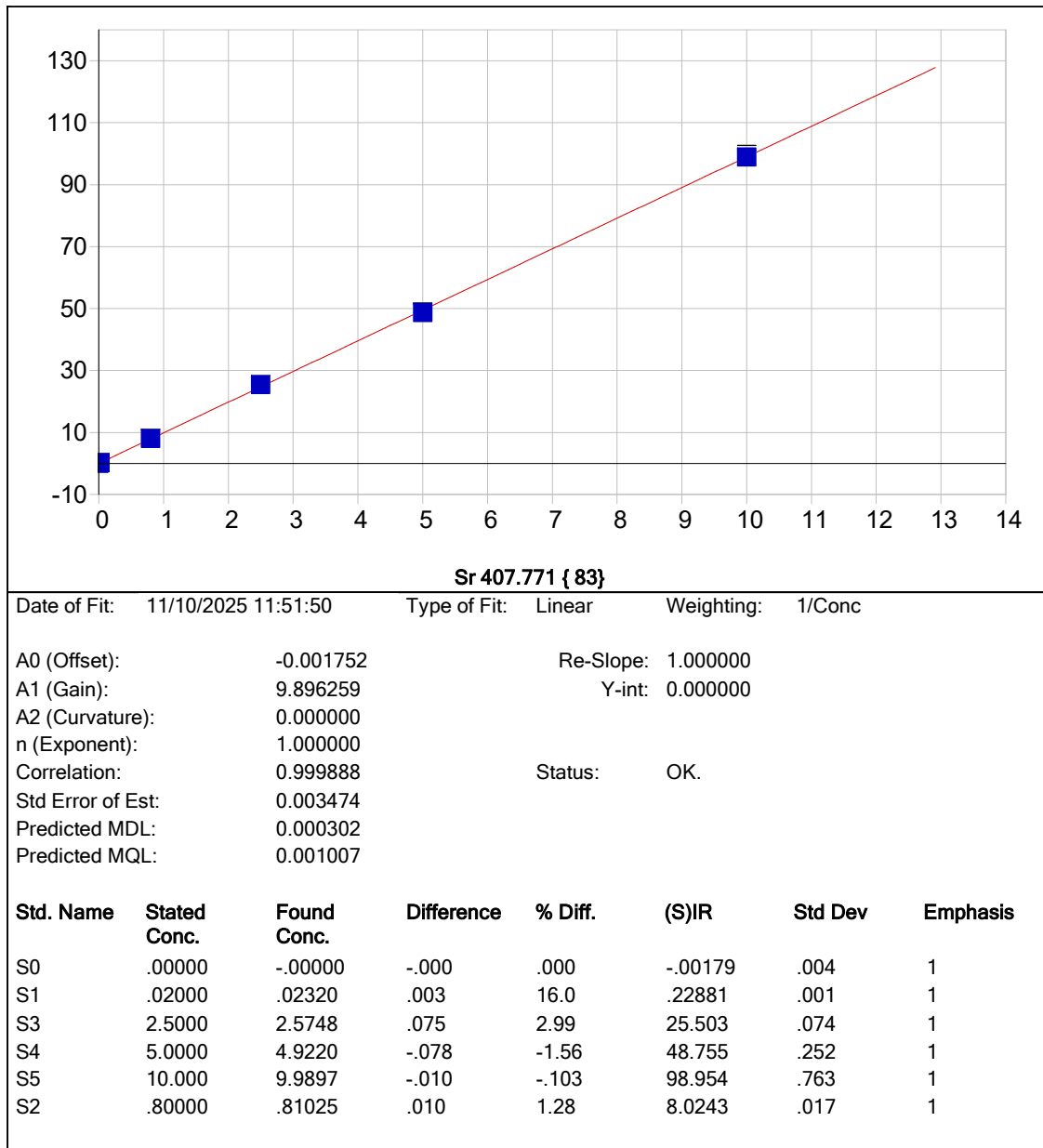


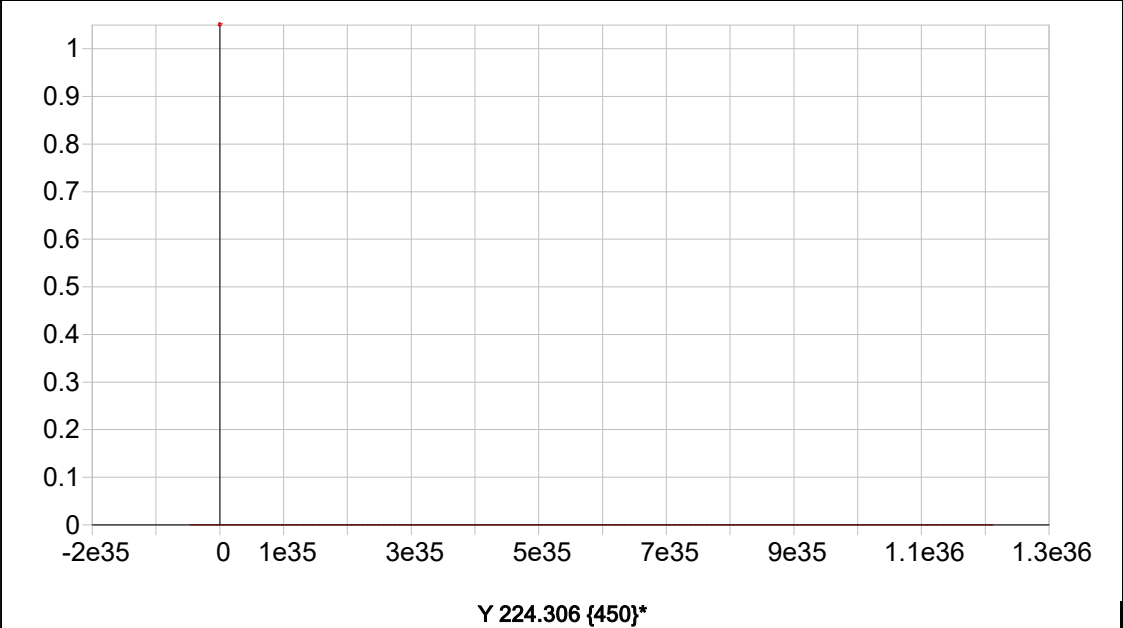
Li 670.784 { 50}

Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.032142 Re-Slope: 1.000000
A1 (Gain): 0.961849 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999408 Status: OK.
Std Error of Est: 0.000777
Predicted MDL: 0.005421
Predicted MQL: 0.018069

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.03214	.008	1
S5	10.000	9.8544	-.146	-1.46	9.5183	.046	1
S4	5.0000	4.9052	-.095	-1.90	4.7541	.021	1
S3	2.5000	2.6975	.197	7.90	2.6286	.007	1
S1	.02000	.02104	.001	5.19	.05271	.005	1
S2	.80000	.84185	.042	5.23	.84249	.004	1

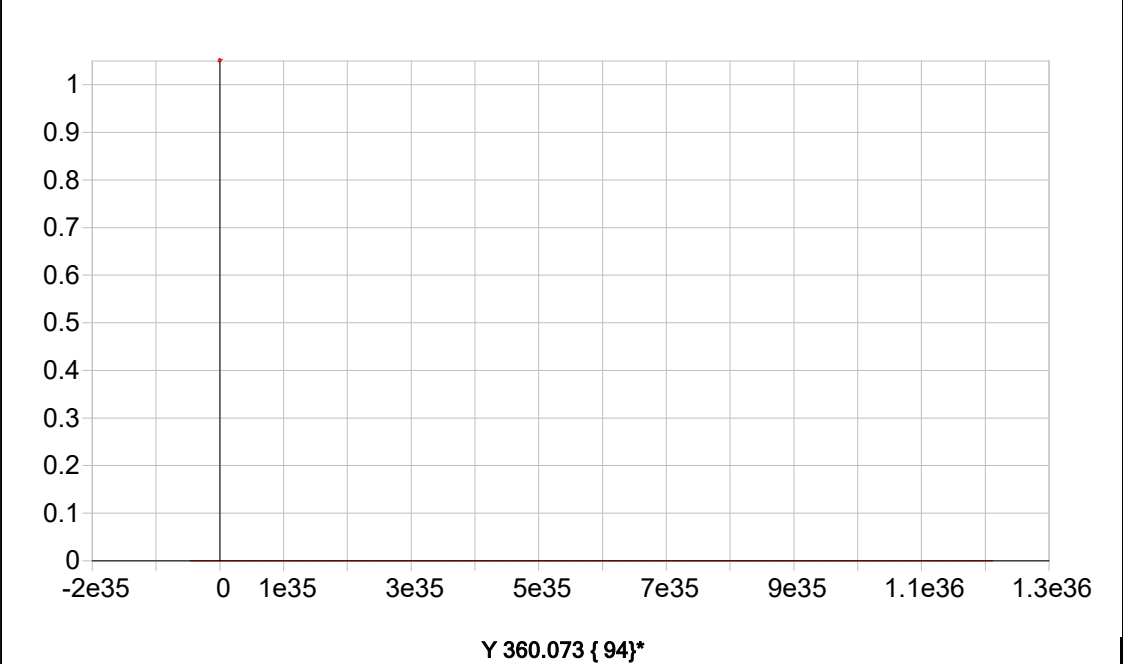




Date of Fit: 11/10/2025 11:51:50 Type of Fit: Linear Weighting: 1/Conc

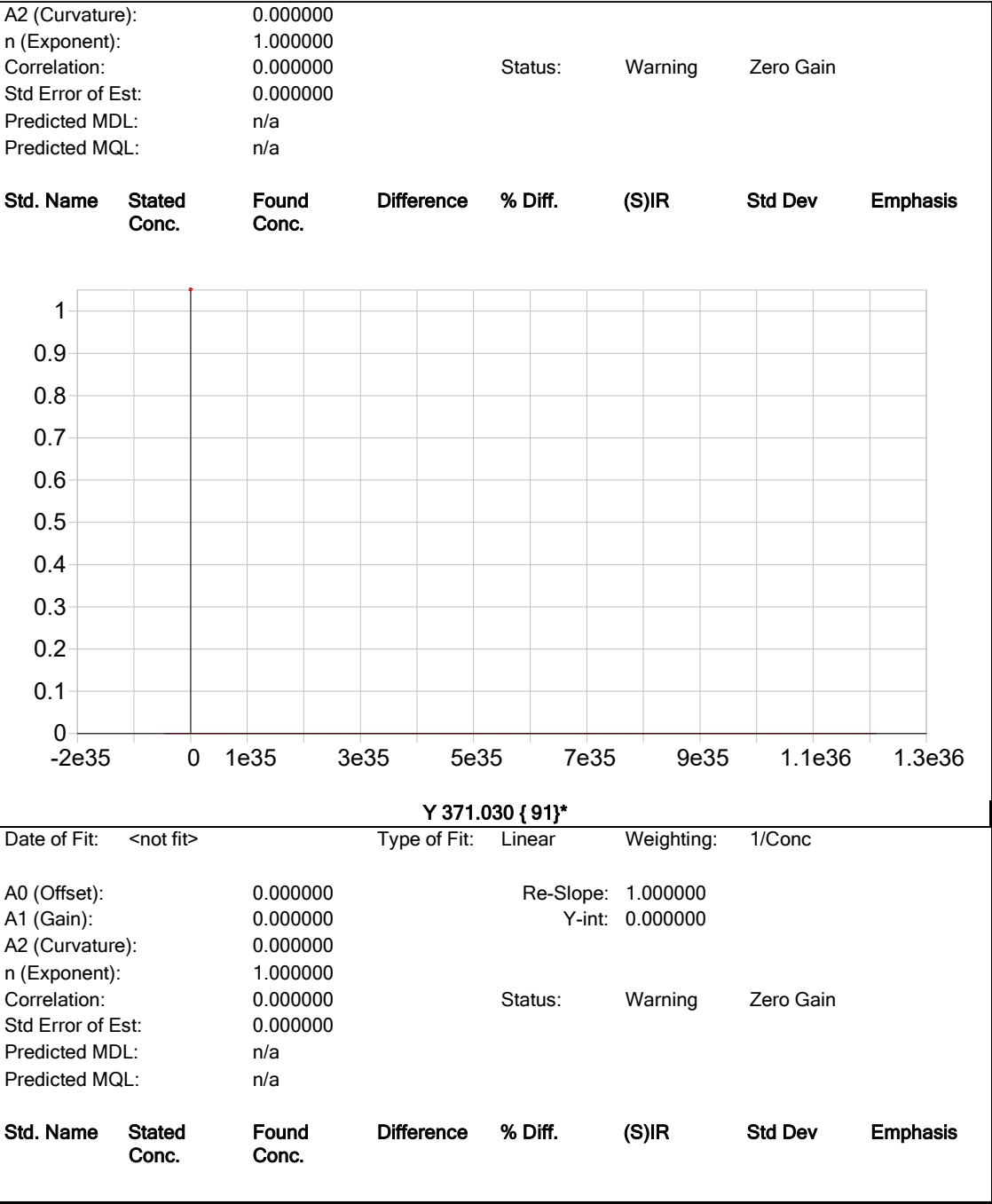
A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

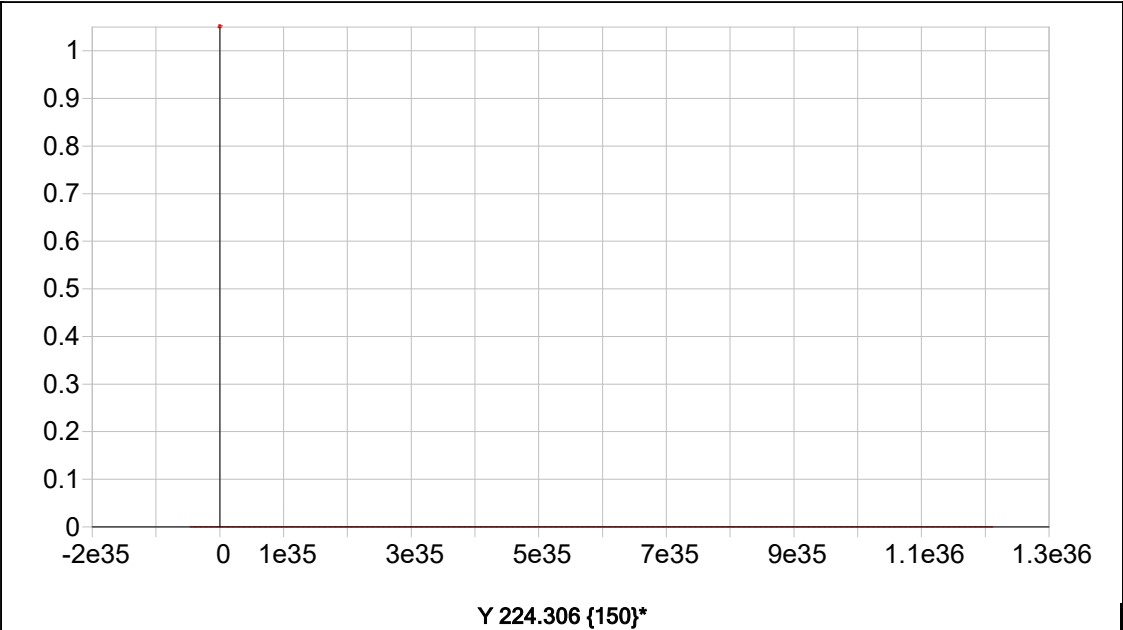
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

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





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

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
							
ln 230.606 {446}*							

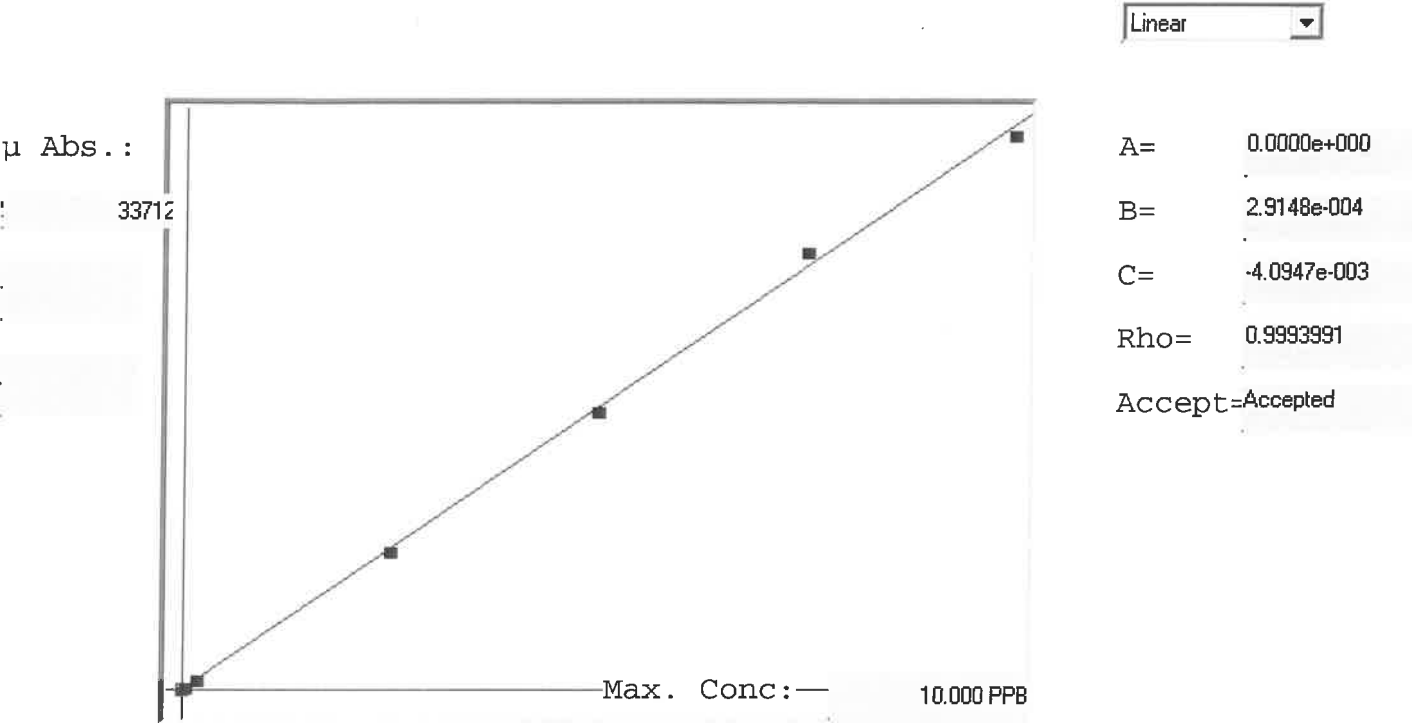
Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000		
A1 (Gain):	0.000000		Y-int:	0.000000		

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

LB137819

245.1

INSTRUMENT ID: CV1



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0.0	0.000	0.017	0.017	71	0.000	71				
0.05	0.050	0.043	-0.007	162	0.0 %	162				
0.2	0.200	0.189	-0.011	661	0.0 %	661				
2.5	2.500	2.473	-0.027	8497	0.0 %	8497				
5.0	5.000	4.928	-0.072	16919	0.0 %	16919				
7.5	7.500	7.779	0.279	26702	0.0 %	26702				
10.0	10.000	9.822	-0.178	33712	0.0 %	33712				

LB137819 INSTRUMENT ID : CV1

Method: 245.1 Operator: Admin Date of Analysis: 07 Nov 2025 13:05:32

Type	Sample ID	Extended ID	Conc.	μ Abs.	Units	Type	Std Conc	Method	Date
S	0.0 - 1	50	-	71	PPB	Std	0.0000	245.1	07 Nov 2025 13:51:10
S	0.05 - 1	50.05	-	162	PPB	Std	0.0500	245.1	07 Nov 2025 13:53:30
S	0.2 - 1	50.2	-	661	PPB	Std	0.2000	245.1	07 Nov 2025 13:55:47
S	2.5 - 1	52.5	-	8497	PPB	Std	2.5000	245.1	07 Nov 2025 13:58:04
S	5.0 - 1	55	-	16919	PPB	Std	5.0000	245.1	07 Nov 2025 14:00:20
S	7.5 - 1	57.5	-	26702	PPB	Std	7.5000	245.1	07 Nov 2025 14:17:51
S	10.0 - 1	510	-	33712	PPB	Std	10.0000	245.1	07 Nov 2025 14:23:07
U	ICV103 - 1	ICV103	3.9895	13701	PPB	SMPL	-245.1		07 Nov 2025 14:28:56
U	ICB103 - 1	ICB103	-0.0516	-163	PPB	SMPL	-245.1		07 Nov 2025 14:31:10
U	CCV40 - 1	CCV40	4.9925	17142	PPB	SMPL	-245.1		07 Nov 2025 14:33:28
U	CCB40 - 1	CCB40	-0.0773	-251	PPB	SMPL	-245.1		07 Nov 2025 14:35:43
U	CRA - 1	CRA	0.0431	162	PPB	SMPL	-245.1		07 Nov 2025 14:43:33
U	HighStd - 1	HighStd	10.4468	35854	PPB	SMPL	-245.1		07 Nov 2025 14:45:47
U	ChkStd - 1	ChkStd	7.4180	25463	PPB	SMPL	-245.1		07 Nov 2025 14:48:02
U	PB170437BL - 1	PBW	-0.0813	-265	PPB	SMPL	-245.1		07 Nov 2025 14:50:26
U	PB170437BS - 1	LCSW	4.1443	14232	PPB	SMPL	-245.1		07 Nov 2025 14:52:47
U	Q3547-02 - 1	Comp	0.0560	206	PPB	SMPL	-245.1		07 Nov 2025 14:55:03
U	Q3551-01 - 1	MANHOLE	-0.0274	-80	PPB	SMPL	-245.1		07 Nov 2025 14:57:23
U	Q3551-01DUP - 1	MANHOLEDUP	-0.0309	-92	PPB	SMPL	-245.1		07 Nov 2025 14:59:40
U	Q3551-01MS - 1	MANHOLEMS	3.5634	12239	PPB	SMPL	-245.1		07 Nov 2025 15:01:56
U	Q3551-01MSD - 1	MANHOLEMSD	4.1507	14254	PPB	SMPL	-245.1		07 Nov 2025 15:04:12
U	CCV41 - 1	CCV41	4.9398	16961	PPB	SMPL	-245.1		07 Nov 2025 15:06:30
U	CCB41 - 1	CCB41	-0.0627	-201	PPB	SMPL	-245.1		07 Nov 2025 15:08:48
U	Q3551-01LX5 - 1		-0.0023	6	PPB	SMPL	-245.1		07 Nov 2025 15:11:06
U	Q3551-01A - 1		3.7753	12966	PPB	SMPL	-245.1		07 Nov 2025 15:13:22
U	CCV42 - 1	CCV42	4.8966	16813	PPB	SMPL	-245.1		07 Nov 2025 15:15:38
U	CCB42 - 1	CCB42	-0.0813	-265	PPB	SMPL	-245.1		07 Nov 2025 15:17:56

SOP ID : M200.7-Trace Elements-22

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 11/06/2025 Time : 14:20 Temp : 96 °C

End Digest Date: 11/06/2025 Time : 17:22 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	M6181
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	M6187
1:1 HCL	5.00	MP87148
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 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/06/25 18:22	<i>[Signature]</i> met dig	<i>[Signature]</i> Metals Lab
	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
PB170412BL	PBW412	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	27
PB170412BS	LCS412	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	28
Q3547-02MS	COMPMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	31
Q3547-02MSD	COMPMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	32
Q3547-02DUP	COMPDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	30
Q3547-02	COMP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	29
Q3551-01	MANHOLE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	33

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB170412

Worklist ID : 192946

Department : Digestion

Date : 11-06-2025 10:08:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3547-02	Comp	Water	Metals ICP-Group 1	1:1 HNO3 to pH < 2	ARAM01	J31	11/05/2025	200.7
Q3551-01	MANHOLE	Water	Metals ICP-Group 1	1:1 HNO3 to pH < 2	SPEC01	D41	11/05/2025	200.7

Date/Time 11/06/2025 13:55

Raw Sample Received by: Sias mctdls

Raw Sample Relinquished by: CNOCSm2

Date/Time 11/06/2025 14:55

Raw Sample Received by: CNOCSm2

Raw Sample Relinquished by: Sias mctdls

SOP ID : M245.1-Mercury-20

SDG No : NA

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

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

Start Digest Date: 11/07/2025 Time : 09:25 Temp : 94 °C

End Digest Date: 11/07/2025 Time : 11:25 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *MS*

Supervisor Signature: *MS*

Temp : 1. 94°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP87889
CCV	30mL	MP87891
CRA	30mL	MP87893
Blank Spike	0.48mL	MP87880
Matrix Spike	0.48mL	MP87880

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP87633
KMnO4 (5%)	4.5mL	MP87634
K2S2O8 (5%)	2.4mL	MP87635
Hydroxylamine HCL (12%)	1.8mL	MP87636
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	MP87881
0.05 ppb	S0.05	30mL	MP87882
0.2 ppb	S0.2	30mL	MP87883
2.5 ppb	S2.5	30mL	MP87884
5.0 ppb	S5.0	30mL	MP87885
7.5 ppb	S7.5	30mL	MP87886
10.0 ppb	S10.0	30mL	MP87888
ICV	ICV	30mL	MP87889
ICB	ICB	30mL	MP87890
CCV	CCV	30mL	MP87891
CCB	CCB	30mL	MP87892
CRI	CRI	30mL	MP87893
CHK STD	CHK STD	30mL	MP87894

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/7/25 09:25	<i>MS - MS - Lab</i>	<i>MS - Metal Lab</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB170437BL	PBW437	30	30	<2	N/A	3-1
PB170437BS	LCS437	30	30	<2	MP87880	2
Q3547-02	COMP	30	30	<2	N/A	3
Q3551-01	MANHOLE	30	30	<2	N/A	4
Q3551-01MS	MANHOLEMS	30	30	<2	MP87880	6
Q3551-01MSD	MANHOLEMSD	30	30	<2	MP87880	7
Q3551-01DUP	MANHOLEDUP	30	30	<2	N/A	5

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 110725_245.1 WorkList ID : 192959 Department : Digestion Date : 11-07-2025 07:14:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3547-02	Comp	Water	Mercury	1:1 HNO3 to pH < 2	ARAM01	J31	11/05/2025	245.1
Q3551-01	MANHOLE	Water	Mercury	1:1 HNO3 to pH < 2	SPEC01	D41	11/05/2025	245.1

Date/Time _____
Raw Sample Received by: _____
Raw Sample Relinquished by: _____

Date/Time _____
Raw Sample Received by: _____
Raw Sample Relinquished by: _____

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137819

Review By	mohan	Review On	11/17/2025 5:26:38 PM
Supervise By	jaswal	Supervise On	11/17/2025 5:30:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP87881,MP87882,MP87883,MP87884,MP87885,MP87886,MP87888
ICV Standard	MP87889
CCV Standard	MP87891
ICSA Standard	
CRI Standard	MP87893
LCS Standard	
Chk Standard	MP87890,MP87892,MP87894,MP87887

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/07/25 13:51		mohan	OK
2	S0.05	S0.05	CAL2	11/07/25 13:53		mohan	OK
3	S0.2	S0.2	CAL3	11/07/25 13:55		mohan	OK
4	S2.5	S2.5	CAL4	11/07/25 13:58		mohan	OK
5	S5	S5	CAL5	11/07/25 14:00		mohan	OK
6	S7.5	S7.5	CAL6	11/07/25 14:17		mohan	OK
7	S10	S10	CAL7	11/07/25 14:23		mohan	OK
8	ICV103	ICV103	ICV	11/07/25 14:28		mohan	OK
9	ICB103	ICB103	ICB	11/07/25 14:31		mohan	OK
10	CCV40	CCV40	CCV	11/07/25 14:33		mohan	OK
11	CCB40	CCB40	CCB	11/07/25 14:35		mohan	OK
12	CRA	CRA	CRDL	11/07/25 14:43		mohan	OK
13	HighStd	HighStd	HIGH STD	11/07/25 14:45		mohan	OK
14	ChkStd	ChkStd	SAM	11/07/25 14:48		mohan	OK
15	PB170437BL	PB170437BL	MB	11/07/25 14:50		mohan	OK
16	PB170437BS	PB170437BS	LCS	11/07/25 14:52		mohan	OK
17	Q3547-02	Comp	SAM	11/07/25 14:55		mohan	OK
18	Q3551-01	MANHOLE	SAM	11/07/25 14:57		mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137819

Review By	mohan	Review On	11/17/2025 5:26:38 PM
Supervise By	jaswal	Supervise On	11/17/2025 5:30:40 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87881,MP87882,MP87883,MP87884,MP87885,MP87886,MP87888		
ICV Standard	MP87889		
CCV Standard	MP87891		
ICSA Standard			
CRI Standard	MP87893		
LCS Standard			
Chk Standard	MP87890,MP87892,MP87894,MP87887		

19	Q3551-01DUP	MANHOLEDUP	DUP	11/07/25 14:59		mohan	OK
20	Q3551-01MS	MANHOLEMS	MS	11/07/25 15:01		mohan	OK
21	Q3551-01MSD	MANHOLEMSD	MSD	11/07/25 15:04		mohan	OK
22	CCV41	CCV41	CCV	11/07/25 15:06		mohan	OK
23	CCB41	CCB41	CCB	11/07/25 15:08		mohan	OK
24	Q3551-01L	MANHOLEL	SD	11/07/25 15:11		mohan	OK
25	Q3551-01A	MANHOLEA	PS	11/07/25 15:13		mohan	OK
26	CCV42	CCV42	CCV	11/07/25 15:15		mohan	OK
27	CCB42	CCB42	CCB	11/07/25 15:17		mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137841

Review By	mohan	Review On	11/11/2025 11:36:43 AM
Supervise By	jaswal	Supervise On	11/12/2025 10:25:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/10/25 11:20		Jaswal	OK
2	S1	S1	CAL2	11/10/25 11:24		Jaswal	OK
3	S2	S2	CAL3	11/10/25 11:28		Jaswal	OK
4	S3	S3	CAL4	11/10/25 11:32		Jaswal	OK
5	S4	S4	CAL5	11/10/25 11:37		Jaswal	OK
6	S5	S5	CAL6	11/10/25 11:41		Jaswal	OK
7	ICV01	ICV01	ICV	11/10/25 11:45		Jaswal	OK
8	LLICV01	LLICV01	LLICV	11/10/25 11:57		Jaswal	OK
9	ICB01	ICB01	ICB	11/10/25 12:11		Jaswal	OK
10	CRI01	CRI01	CRDL	11/10/25 12:16		Jaswal	OK
11	ICSA01	ICSA01	ICSA	11/10/25 12:21		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	11/10/25 12:26		Jaswal	OK
13	ICSADL	ICSADL	ICSA	11/10/25 12:30		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	11/10/25 12:34		Jaswal	OK
15	CCV01	CCV01	CCV	11/10/25 12:38		Jaswal	OK
16	CCB01	CCB01	CCB	11/10/25 12:42		Jaswal	OK
17	Q3504-01	72-11986	SAM	11/10/25 12:47		Jaswal	OK
18	Q3562-01	EO-03-110625	SAM	11/10/25 12:51	MS/MSD fail for more than 50% parameters	Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137841

Review By	mohan	Review On	11/11/2025 11:36:43 AM
Supervise By	jaswal	Supervise On	11/12/2025 10:25:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

19	Q3564-01	OR-03-11062025	SAM	11/10/25 12:55		Jaswal	OK
20	Q3577-01	WC-1A	SAM	11/10/25 13:00		Jaswal	OK
21	Q3580-01	346	SAM	11/10/25 13:04		Jaswal	OK
22	Q3562-01DUP	EO-03-110625DUP	DUP	11/10/25 13:08	MS/MSD fail for more than 50% parameters	Jaswal	OK
23	Q3562-01L	EO-03-110625L	SD	11/10/25 13:12	MS/MSD fail for more than 50% parameters	Jaswal	OK
24	Q3562-01MS	EO-03-110625MS	MS	11/10/25 13:16	MS/MSD fail for more than 50% parameters	Jaswal	OK
25	Q3562-01MSD	EO-03-110625MSD	MSD	11/10/25 13:20	MS/MSD fail for more than 50% parameters	Jaswal	OK
26	Q3562-01A	EO-03-110625A	PS	11/10/25 13:24	MS/MSD fail for more than 50% parameters	Jaswal	OK
27	CCV02	CCV02	CCV	11/10/25 13:28		Jaswal	OK
28	CCB02	CCB02	CCB	11/10/25 13:54		Jaswal	OK
29	PB170412BL	PB170412BL	MB	11/10/25 13:58		Jaswal	OK
30	PB170412BS	PB170412BS	LCS	11/10/25 14:03		Jaswal	OK
31	Q3547-02	Comp	SAM	11/10/25 14:07		Jaswal	OK
32	Q3547-02DUP	CompDUP	DUP	11/10/25 14:17		Jaswal	OK
33	Q3547-02L	CompL	SD	11/10/25 14:21		Jaswal	OK
34	Q3547-02MS	CompMS	MS	11/10/25 14:26		Jaswal	OK
35	Q3547-02MSD	CompMSD	MSD	11/10/25 14:30		Jaswal	OK
36	Q3547-02A	CompA	PS	11/10/25 14:34	0.1ml m6008,m6017-10ml sample	Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137841

Review By	mohan	Review On	11/11/2025 11:36:43 AM
Supervise By	jaswal	Supervise On	11/12/2025 10:25:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

37	Q3551-01	MANHOLE	SAM	11/10/25 14:38		Jaswal	OK
38	Q3552-04DL	MW-10DL	SAM	11/10/25 14:42	10x for Na	Jaswal	Confirms
39	CCV03	CCV03	CCV	11/10/25 14:46		Jaswal	OK
40	CCB03	CCB03	CCB	11/10/25 14:50		Jaswal	OK
41	Q3552-04DUPDL	MW-10DUPDL	DUP	11/10/25 14:55	10x for Na	Jaswal	Confirms
42	Q3552-04LDL	MW-10LDL	SD	11/10/25 14:59	NOT REQUIRED	Jaswal	Not Ok
43	Q3552-04MSDL	MW-10MSDL	MS	11/10/25 15:03	10x for Na	Jaswal	Confirms
44	Q3552-04MSDDL	MW-10MSDDL	MSD	11/10/25 15:08	10x for Na	Jaswal	Confirms
45	Q3552-04ADL	MW-10ADL	PS	11/10/25 15:12	NOT REQUIRED	Jaswal	Not Ok
46	PB170434BL	PB170434BL	MB	11/10/25 15:22		Jaswal	OK
47	PB170434BS	PB170434BS	LCS	11/10/25 15:27		Jaswal	OK
48	Q3560-01	SY-10D	SAM	11/10/25 15:31		Jaswal	OK
49	Q3560-02	SY-10D	SAM	11/10/25 15:35		Jaswal	OK
50	Q3560-03	SY-10S	SAM	11/10/25 15:39		Jaswal	OK
51	CCV04	CCV04	CCV	11/10/25 15:44		Jaswal	OK
52	CCB04	CCB04	CCB	11/10/25 15:47		Jaswal	OK
53	Q3560-04	SY-10S	SAM	11/10/25 15:52		Jaswal	OK
54	Q3560-05	SY-10I	SAM	11/10/25 15:56		Jaswal	OK
55	Q3560-06	SY-10I	SAM	11/10/25 16:00		Jaswal	OK
56	Q3560-07	SY-12I	SAM	11/10/25 16:05		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137841

Review By	mohan	Review On	11/11/2025 11:36:43 AM
Supervise By	jaswal	Supervise On	11/12/2025 10:25:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

57	Q3560-08	SY-12I	SAM	11/10/25 16:09		Jaswal	OK
58	Q3560-09	SY-12D	SAM	11/10/25 16:13		Jaswal	OK
59	Q3560-10	SY-12D	SAM	11/10/25 16:17		Jaswal	OK
60	Q3566-01	WATER-TREATMENT	SAM	11/10/25 16:22		Jaswal	OK
61	Q3566-01DUP	WATER-TREATMENT	DUP	11/10/25 16:26		Jaswal	OK
62	Q3566-01L	WATER-TREATMENT	SD	11/10/25 16:30		Jaswal	OK
63	CCV05	CCV05	CCV	11/10/25 16:35		Jaswal	OK
64	CCB05	CCB05	CCB	11/10/25 16:38		Jaswal	OK
65	Q3566-01MS	WATER-TREATMENT	MS	11/10/25 16:43		Jaswal	OK
66	Q3566-01MSD	WATER-TREATMENT	MSD	11/10/25 16:47		Jaswal	OK
67	Q3566-01A	WATER-TREATMENT	PS	11/10/25 16:51	0.1ml m6008,m6017-10ml sample	Jaswal	OK
68	Q3569-01	MW-2	SAM	11/10/25 16:55		Jaswal	OK
69	Q3569-02	MW-12	SAM	11/10/25 16:59		Jaswal	OK
70	PB170461BL	PB170461BL	MB	11/10/25 17:04		Jaswal	OK
71	PB170461BS	PB170461BS	LCS	11/10/25 17:08		Jaswal	OK
72	Q3575-02	002 35th Ave (Nov)	SAM	11/10/25 17:14		Jaswal	OK
73	Q3575-02DUP	002 35th Ave (Nov)DU	DUP	11/10/25 17:18		Jaswal	OK
74	Q3575-02L	002 35th Ave (Nov)L	SD	11/10/25 17:23		Jaswal	OK
75	CCV06	CCV06	CCV	11/10/25 17:27		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137841

Review By	mohan	Review On	11/11/2025 11:36:43 AM
Supervise By	jaswal	Supervise On	11/12/2025 10:25:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

76	CCB06	CCB06	CCB	11/10/25 17:31		Jaswal	OK
77	LR-1	LR-1	HIGH STD	11/10/25 18:18		Jaswal	OK
78	LR-2	LR-2	HIGH STD	11/10/25 18:22		Jaswal	OK
79	Q3575-02MS	002 35th Ave (Nov)MS	MS	11/10/25 18:31		Jaswal	OK
80	Q3575-02MSD	002 35th Ave (Nov)MSD	MSD	11/10/25 18:35		Jaswal	OK
81	Q3575-02A	002 35th Ave (Nov)A	PS	11/10/25 18:39	0.1ml m6008,m6017-10ml sample	Jaswal	OK
82	LR-3	LR-3	HIGH STD	11/10/25 18:53		Jaswal	OK
83	Q3575-01	001 Willets Pt Blvd (N	SAM	11/10/25 18:57		Jaswal	OK
84	Q3531-01	FALL-2025	SAM	11/10/25 19:02		Jaswal	OK
85	Q3586-01	SED-1	SAM	11/10/25 19:06		Jaswal	OK
86	Q3586-02	SED-2	SAM	11/10/25 19:10		Jaswal	OK
87	CCV07	CCV07	CCV	11/10/25 19:14		Jaswal	OK
88	CCB07	CCB07	CCB	11/10/25 19:18		Jaswal	OK
89	Q3586-03	SED-3	SAM	11/10/25 19:22		Jaswal	OK
90	Q3587-01	NB-08-110725	SAM	11/10/25 19:26		Jaswal	OK
91	Q3588-01	TR-06-11072025	SAM	11/10/25 19:30		Jaswal	OK
92	Q3588-03	TR-01-11072025	SAM	11/10/25 19:34		Jaswal	OK
93	Q3581-01	VNJ-238	SAM	11/10/25 19:38		Jaswal	OK
94	Q3581-01DUP	VNJ-238DUP	DUP	11/10/25 19:42		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137841

Review By	mohan	Review On	11/11/2025 11:36:43 AM
Supervise By	jaswal	Supervise On	11/12/2025 10:25:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

95	Q3581-01L	VNJ-238L	SD	11/10/25 19:46		Jaswal	OK
96	Q3581-01MS	VNJ-238MS	MS	11/10/25 19:50		Jaswal	OK
97	Q3581-01MSD	VNJ-238MSD	MSD	11/10/25 19:54		Jaswal	OK
98	Q3581-01A	VNJ-238A	PS	11/10/25 19:58	0.1ml m6008,m6017-10ml sample	Jaswal	OK
99	CCV08	CCV08	CCV	11/10/25 20:11		Jaswal	OK
100	CCB08	CCB08	CCB	11/10/25 20:26		Jaswal	OK
101	Q3581-03	VNJ-245	SAM	11/10/25 20:30	Mn high	Jaswal	Dilution
102	Q3581-05	VNJ-240	SAM	11/10/25 20:34		Jaswal	OK
103	Q3581-07	RBR200059	SAM	11/10/25 20:38		Jaswal	OK
104	Q3582-04	RT4912	SAM	11/10/25 20:42		Jaswal	OK
105	Q3583-04	CHRT27080	SAM	11/10/25 20:46		Jaswal	OK
106	Q3581-03DL	VNJ-245DL	SAM	11/10/25 20:50	10x for Mn	Jaswal	Confirms
107	Q3584-01	SW-1	SAM	11/10/25 21:15		Jaswal	OK
108	Q3584-02	SW-2	SAM	11/10/25 21:20	Na high	Jaswal	Dilution
109	CCV09	CCV09	CCV	11/10/25 21:31		Jaswal	OK
110	CCB09	CCB09	CCB	11/10/25 21:41		Jaswal	OK
111	Q3584-03	SW-3	SAM	11/10/25 21:46	Na high	Jaswal	Dilution
112	Q3584-03DUP	SW-3DUP	DUP	11/10/25 21:50	Na high	Jaswal	Dilution
113	Q3584-03L	SW-3L	SD	11/10/25 21:55		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137841

Review By	mohan	Review On	11/11/2025 11:36:43 AM
Supervise By	jaswal	Supervise On	11/12/2025 10:25:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638
ICV Standard	MP87644,MP87643
CCV Standard	MP87647
ICSA Standard	MP87645,MP87646
CRI Standard	MP87643
LCS Standard	
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650

114	Q3584-03MS	SW-3MS	MS	11/10/25 21:59	Na high	Jaswal	Dilution
115	Q3584-03MSD	SW-3MSD	MSD	11/10/25 22:03	Na high	Jaswal	Dilution
116	Q3584-03A	SW-3A	PS	11/10/25 22:08	0.1ml m6008,m6017-10ml sample	Jaswal	OK
117	Q3584-04	EB-2	SAM	11/10/25 22:12		Jaswal	OK
118	Q3584-05	FB-2	SAM	11/10/25 22:16		Jaswal	OK
119	Q3584-07DL	SEEP-1DL	SAM	11/10/25 22:20	Straight 10x Dilution	Jaswal	OK
120	Q3574-01	304641-01 Liquid	SAM	11/10/25 22:24		Jaswal	OK
121	CCV10	CCV10	CCV	11/10/25 22:29		Jaswal	OK
122	CCB10	CCB10	CCB	11/10/25 22:47		Jaswal	OK
123	Q3584-02DL	SW-2DL	SAM	11/10/25 22:51	10x for Na	Jaswal	Confirms
124	Q3584-03DL	SW-3DL	SAM	11/10/25 22:55	10x for Na	Jaswal	Confirms
125	Q3584-03DUPDL	SW-3DUPDL	DUP	11/10/25 23:00	10x for Na	Jaswal	Confirms
126	Q3584-03LDL	SW-3LDL	SD	11/10/25 23:04	NOT REQUIRED	Jaswal	Not Ok
127	Q3584-03MSDL	SW-3MSDL	MS	11/10/25 23:08	10x for Na	Jaswal	Confirms
128	Q3584-03MSDDL	SW-3MSDDL	MSD	11/10/25 23:13	10x for Na	Jaswal	Confirms
129	Q3584-03ADL	SW-3ADL	PS	11/10/25 23:17	NOT REQUIRED	Jaswal	Not Ok
130	Q3574-01DL	304641-01 LiquidDL	SAM	11/10/25 23:21	NOT REQUIRED	Jaswal	Not Ok
131	Q3584-07DL2	SEEP-1DL2	SAM	11/10/25 23:26	NOT REQUIRED	Jaswal	Not Ok
132	CCV11	CCV11	CCV	11/10/25 23:30		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137841

Review By	mohan	Review On	11/11/2025 11:36:43 AM
Supervise By	jaswal	Supervise On	11/12/2025 10:25:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

133	CCB11	CCB11	CCB	11/10/25 23:34		Jaswal	OK
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SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Spectra East Inc
ADDRESS: 8 King Road
CITY: Rockleigh STATE: NJ ZIP: 07647
ATTENTION: Jacob Valeich
PHONE: 201-767-7070 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Outfall 1001-Orangetown Dis Permit 2025
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1: oil & Grease
2: Phenolics
3: SVOCs Group 1
4: PCB
5: PCST + Cide Group
6: Ni + rate
7: BOD5
8: TSS
9: VOCs Group 1

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		C	C	E	E	E	E	E	E	A	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	Manhole	W	✓		11-5-25	1535	20	✓	✓	✓	✓	✓	✓	✓	✓	✓		
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1.	DATE/TIME: <u>11-5-25</u>	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3-20</u> °C Comments:
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: <u>11-5-25</u>	RECEIVED BY: 3.	

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Spectra East Inc
ADDRESS: 8 King Road
CITY: Rockleigh STATE: NJ ZIP: 07647
ATTENTION: Jacob Valeich
PHONE: 201-767-7070 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Outfall 001-Orangetown
PROJECT NO.: DIS permit 2023
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1 Metals 2 Cyanide 3 Cyanide 4 COD 5 Ammonia 6 Low-level metals 7 8 9

ALLIANCE
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE
COMP GRAB

SAMPLE
COLLECTION
DATE TIME

OF BOTTLES

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

Manhole

W

✓

11-5-25

1535

20

B

D

C

C

A

1

2

3

4

5

6

7

8

9

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:

DATE/TIME: 11-5-25

RECEIVED BY:

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP

3.2 °C

Comments:

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

RELINQUISHED BY SAMPLER:

DATE/TIME: 11-5-25

RECEIVED BY:

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Page ____ of

Liance Technical Group, LLC-Newark

284 Sheffield Street, Mountainside, NJ 07092 Tel. 908-789-8900 Fax 908-789-8922
FIELD SAMPLING LOG

Client Name: Spectra East inc
 Client Address: 8 King Road
 Client Rep on Site: Jacob Valeich
 Sampling Date: 11-4-25
 Arrival Time: 1545

Project Name: off fall 001 - orangetown
Dis permit 2025
 Project Location: Rockleigh
 Cooler Custody Seal: N/A
 Temperature Correction Factor (°C): 0

Departure Time: 1620

FIELD EQUIPMENT CALIBRATION

pH Calibration (SM4500-H B/9040C)

Calibration (acceptance criteria ± 0.05 pH unit)				ICV (± 0.1 pH unit)
	7.00 Buffer	4.00 Buffer	10.00 Buffer	7.00 Buffer
	W 3217	W 3178	W 3191	W 3093
Time	1550	1552	1554	1556
Temp °C	21.2°	21.8°	21.7°	20.4°
pH	7.02	4.00	10.04	7.00

FIELD EQUIPMENT CALIBRATION

Specific Conductance (mS/cm) (99% -101%)/(mmho/cm) (SM2510 B/120.1/9050A)

Calibration ($\pm 1\%$) (99% -101%)		ICV ($\pm 1\%$) (99% -101%)
	WP	WP
Time		
Temp °C		
Reading (mS/cm)		

Sampler Signature/Date:

 11-4-25

Supervisor Review/Date:

FIELD SAMPLING LOG

Client Name: Spectra East inc
Client Address: 8 King Road
Client Rep on Site: Jacob Valeich
Sampling Date: 11-4-25
Arrival Time: 1545

Project Name: outfall 001-Orangetown
Dis permit 2025
Project Location: Rockleigh
Cooler Custody Seal: N/A
Temperature Correction Factor (°C): 0

Departure Time: 1620

FIELD SAMPLING INFORMATION

Sampling Location	Date/Time of sampling	Field Measurements				Specific Conductance (mS/cm) (99% -101%)
		Date/Time of Analysis		pH	Temperature °C	
CCV CW3093)	11-4-25 1558	11-4-25	1600	7.02	21.5°	N/A
Manhole	1601	1604	7.85	16.0°		
Dup	1606	1608	7.84	16.1°		
CCV CW3093)	1610	1612	7.02	21.7°		

Meter: YSI PRO Quatro, Serial # 25A103198

Sampler Signature/Date:



11-4-25

Supervisor Review/Date:

QA Control# A3041253

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3551	SPEC01	Order Date : 11/5/2025 2:16:00 PM	Project Mgr :
Client Name : Spectra East Inc.		Project Name : Outfall 001 - Orangetown E	Report Type : Level 2
Client Contact : Jacob Valeich		Receive DateTime : 11/5/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Spectra East Inc.		Purchase Order : 17254 PM	Hard Copy Date :
Invoice Contact : Jacob Valeich			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3551-01	MANHOLE	Water	11/05/2025	15:35 12:00 AM	VOCMS Group1		624.1		10 Bus. Days

Relinquished By :

Date / Time :

CL
11/6/25 10:26
10:26

Received By :

Date / Time :

Sam
11/06/25 10:26 12:45

Storage Area : VOA Refridgerator Room