

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:	Q3616	OrderDate:	11/12/2025 1:11:35 PM
Client:	Dal-Tile	Project:	Waste Water - Dickson Plant
Contact:	James Eagles	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3616-05	Composite	Water			11/11/25			11/12/25
			Mercury	7470A		11/14/25	11/17/25	
			Metals ICP-Group1	6010D		11/13/25	11/13/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q3616

Order ID: Q3616

Client: Dal-Tile

Project ID: Waste Water - Dickson Plant

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Composite								
Q3616-05	Composite	Water	Arsenic	47.8		2.56	10.0	ug/L
Q3616-05	Composite	Water	Cadmium	0.27	J	0.25	3.00	ug/L
Q3616-05	Composite	Water	Chromium	91.4		1.06	5.00	ug/L
Q3616-05	Composite	Water	Copper	8.98	J	2.30	10.0	ug/L
Q3616-05	Composite	Water	Lead	9.88		1.15	6.00	ug/L
Q3616-05	Composite	Water	Mercury	4.26		0.076	0.20	ug/L
Q3616-05	Composite	Water	Nickel	12.1	J	1.53	20.0	ug/L
Q3616-05	Composite	Water	Selenium	563		4.82	10.0	ug/L
Q3616-05	Composite	Water	Zinc	414		8.33	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Dal-Tile	Date Collected:	11/11/25
Project:	Waste Water - Dickson Plant	Date Received:	11/12/25
Client Sample ID:	Composite	SDG No.:	Q3616
Lab Sample ID:	Q3616-05	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.
7440-38-2	Arsenic	47.8		1	2.56	10.0	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7440-43-9	Cadmium	0.27	J	1	0.25	3.00	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7440-47-3	Chromium	91.4		1	1.06	5.00	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7440-50-8	Copper	8.98	J	1	2.30	10.0	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7439-92-1	Lead	9.88		1	1.15	6.00	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7439-97-6	Mercury	4.26	N	1	0.076	0.20	ug/L	11/14/25 12:40	11/17/25 13:25	7470A	M7470A
7440-02-0	Nickel	12.1	J	1	1.53	20.0	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7782-49-2	Selenium	563		1	4.82	10.0	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7440-66-6	Zinc	414		1	8.33	20.0	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A

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: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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
ICV117	Mercury	4.19	4.0	105	90 - 110	CV	11/17/2025	12:54	LB137914

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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
CCV01	Mercury	5.03	5.0	101	90 - 110	CV	11/17/2025	13:06	LB137914
CCV02	Mercury	5.02	5.0	100	90 - 110	CV	11/17/2025	13:39	LB137914
CCV03	Mercury	5.11	5.0	102	90 - 110	CV	11/17/2025	13:52	LB137914

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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	4010	4000	100	90 - 110	P	11/13/2025	13:12	LB137889
	Cadmium	1990	2000	99	90 - 110	P	11/13/2025	13:12	LB137889
	Chromium	793	800	99	90 - 110	P	11/13/2025	13:12	LB137889
	Copper	999	1000	100	90 - 110	P	11/13/2025	13:12	LB137889
	Lead	3920	4000	98	90 - 110	P	11/13/2025	13:12	LB137889
	Nickel	1950	2000	97	90 - 110	P	11/13/2025	13:12	LB137889
	Selenium	4000	4000	100	90 - 110	P	11/13/2025	13:12	LB137889
	Zinc	1940	2000	97	90 - 110	P	11/13/2025	13:12	LB137889

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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	19.4	20.0	97	80 - 120	P	11/13/2025	13:16	LB137889
	Cadmium	6.14	6.0	102	80 - 120	P	11/13/2025	13:16	LB137889
	Chromium	9.82	10.0	98	80 - 120	P	11/13/2025	13:16	LB137889
	Copper	22.5	20.0	112	80 - 120	P	11/13/2025	13:16	LB137889
	Lead	12.0	12.0	100	80 - 120	P	11/13/2025	13:16	LB137889
	Nickel	40.8	40.0	102	80 - 120	P	11/13/2025	13:16	LB137889
	Selenium	23.9	20.0	120	80 - 120	P	11/13/2025	13:16	LB137889
	Zinc	42.2	40.0	106	80 - 120	P	11/13/2025	13:16	LB137889

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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	4930	5000	99	90 - 110	P	11/13/2025	13:46	LB137889
	Cadmium	2470	2500	99	90 - 110	P	11/13/2025	13:46	LB137889
	Chromium	1000	1000	100	90 - 110	P	11/13/2025	13:46	LB137889
	Copper	1240	1250	99	90 - 110	P	11/13/2025	13:46	LB137889
	Lead	4930	5000	99	90 - 110	P	11/13/2025	13:46	LB137889
	Nickel	2470	2500	99	90 - 110	P	11/13/2025	13:46	LB137889
	Selenium	5000	5000	100	90 - 110	P	11/13/2025	13:46	LB137889
	Zinc	2490	2500	100	90 - 110	P	11/13/2025	13:46	LB137889
CCV02	Arsenic	4900	5000	98	90 - 110	P	11/13/2025	14:35	LB137889
	Cadmium	2410	2500	96	90 - 110	P	11/13/2025	14:35	LB137889
	Chromium	973	1000	97	90 - 110	P	11/13/2025	14:35	LB137889
	Copper	1220	1250	98	90 - 110	P	11/13/2025	14:35	LB137889
	Lead	4830	5000	96	90 - 110	P	11/13/2025	14:35	LB137889
	Nickel	2420	2500	97	90 - 110	P	11/13/2025	14:35	LB137889
	Selenium	4960	5000	99	90 - 110	P	11/13/2025	14:35	LB137889
	Zinc	2470	2500	99	90 - 110	P	11/13/2025	14:35	LB137889
CCV03	Arsenic	4890	5000	98	90 - 110	P	11/13/2025	15:48	LB137889
	Cadmium	2420	2500	97	90 - 110	P	11/13/2025	15:48	LB137889
	Chromium	982	1000	98	90 - 110	P	11/13/2025	15:48	LB137889
	Copper	1220	1250	98	90 - 110	P	11/13/2025	15:48	LB137889
	Lead	4860	5000	97	90 - 110	P	11/13/2025	15:48	LB137889
	Nickel	2420	2500	97	90 - 110	P	11/13/2025	15:48	LB137889
	Selenium	4910	5000	98	90 - 110	P	11/13/2025	15:48	LB137889
	Zinc	2490	2500	100	90 - 110	P	11/13/2025	15:48	LB137889
CCV04	Arsenic	5010	5000	100	90 - 110	P	11/13/2025	16:36	LB137889
	Cadmium	2500	2500	100	90 - 110	P	11/13/2025	16:36	LB137889
	Chromium	1020	1000	102	90 - 110	P	11/13/2025	16:36	LB137889
	Copper	1260	1250	101	90 - 110	P	11/13/2025	16:36	LB137889
	Lead	5010	5000	100	90 - 110	P	11/13/2025	16:36	LB137889
	Nickel	2490	2500	100	90 - 110	P	11/13/2025	16:36	LB137889
	Selenium	5040	5000	101	90 - 110	P	11/13/2025	16:36	LB137889
	Zinc	2580	2500	103	90 - 110	P	11/13/2025	16:36	LB137889
CCV05	Arsenic	4900	5000	98	90 - 110	P	11/13/2025	17:27	LB137889
	Cadmium	2420	2500	97	90 - 110	P	11/13/2025	17:27	LB137889

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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	Chromium	983	1000	98	90 - 110	P	11/13/2025	17:27	LB137889
	Copper	1230	1250	98	90 - 110	P	11/13/2025	17:27	LB137889
	Lead	4860	5000	97	90 - 110	P	11/13/2025	17:27	LB137889
	Nickel	2420	2500	97	90 - 110	P	11/13/2025	17:27	LB137889
	Selenium	4910	5000	98	90 - 110	P	11/13/2025	17:27	LB137889
	Zinc	2510	2500	100	90 - 110	P	11/13/2025	17:27	LB137889
CCV06	Arsenic	4940	5000	99	90 - 110	P	11/13/2025	18:17	LB137889
	Cadmium	2440	2500	98	90 - 110	P	11/13/2025	18:17	LB137889
	Chromium	1010	1000	101	90 - 110	P	11/13/2025	18:17	LB137889
	Copper	1240	1250	99	90 - 110	P	11/13/2025	18:17	LB137889
	Lead	4900	5000	98	90 - 110	P	11/13/2025	18:17	LB137889
	Nickel	2440	2500	98	90 - 110	P	11/13/2025	18:17	LB137889
CCV07	Selenium	4940	5000	99	90 - 110	P	11/13/2025	18:17	LB137889
	Zinc	2580	2500	103	90 - 110	P	11/13/2025	18:17	LB137889
	Arsenic	5010	5000	100	90 - 110	P	11/13/2025	18:38	LB137889
	Cadmium	2470	2500	99	90 - 110	P	11/13/2025	18:38	LB137889
	Chromium	1010	1000	101	90 - 110	P	11/13/2025	18:38	LB137889
	Copper	1260	1250	100	90 - 110	P	11/13/2025	18:38	LB137889
	Lead	4960	5000	99	90 - 110	P	11/13/2025	18:38	LB137889
	Nickel	2470	2500	99	90 - 110	P	11/13/2025	18:38	LB137889
	Selenium	4990	5000	100	90 - 110	P	11/13/2025	18:38	LB137889
	Zinc	2610	2500	104	90 - 110	P	11/13/2025	18:38	LB137889



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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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
CRI01	Arsenic	22.3	20.0	111	65 - 135	P	11/13/2025	13:25	LB137889
	Cadmium	6.14	6.0	102	65 - 135	P	11/13/2025	13:25	LB137889
	Chromium	10.3	10.0	103	65 - 135	P	11/13/2025	13:25	LB137889
	Copper	22.9	20.0	115	65 - 135	P	11/13/2025	13:25	LB137889
	Lead	14.4	12.0	120	65 - 135	P	11/13/2025	13:25	LB137889
	Nickel	41.1	40.0	103	65 - 135	P	11/13/2025	13:25	LB137889
	Selenium	25.8	20.0	129	65 - 135	P	11/13/2025	13:25	LB137889
	Zinc	42.5	40.0	106	65 - 135	P	11/13/2025	13:25	LB137889
CRA	Mercury	0.22	0.2	108	70 - 130	CV	11/17/2025	13:11	LB137914



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB117	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	12:56	LB137914

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	13:08	LB137914
CCB02	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	13:41	LB137914
CCB03	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	13:55	LB137914

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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	11/13/2025	13:21	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	13:21	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	13:21	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	13:21	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	13:21	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	13:21	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	13:21	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	13:21	LB137889

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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	11/13/2025	13:50	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	13:50	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	13:50	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	13:50	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	13:50	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	13:50	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	13:50	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	13:50	LB137889
CCB02	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	14:39	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	14:39	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	14:39	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	14:39	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	14:39	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	14:39	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	14:39	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	14:39	LB137889
CCB03	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	15:51	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	15:51	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	15:51	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	15:51	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	15:51	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	15:51	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	15:51	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	15:51	LB137889
CCB04	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	16:40	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	16:40	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	16:40	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	16:40	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	16:40	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	16:40	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	16:40	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	16:40	LB137889
CCB05	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	17:31	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	17:31	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	17:31	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	17:31	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	17:31	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	17:31	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	17:31	LB137889

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB05	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	17:31	LB137889
CCB06	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	18:25	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	18:25	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	18:25	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	18:25	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	18:25	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	18:25	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	18:25	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	18:25	LB137889
CCB07	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	18:42	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	18:42	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	18:42	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	18:42	LB137889
	Lead	3.19	+/-6	J	12.0	P	11/13/2025	18:42	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	18:42	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	18:42	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	18:42	LB137889

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170561BL		WATER		Batch Number:	PB170561		Prep Date:	11/14/2025	
	Mercury	0.076	<0.2	U	0.20	CV	11/17/2025	13:20	LB137914

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170531BL	WATER			Batch Number:	PB170531		Prep Date:	11/13/2025	
	Arsenic	2.56	<5	U	10.0	P	11/13/2025	17:51	LB137889
	Cadmium	0.25	<1.5	U	3.00	P	11/13/2025	17:51	LB137889
	Chromium	1.06	<2.5	U	5.00	P	11/13/2025	17:51	LB137889
	Copper	2.30	<5	U	10.0	P	11/13/2025	17:51	LB137889
	Lead	1.15	<3	U	6.00	P	11/13/2025	17:51	LB137889
	Nickel	1.53	<10	U	20.0	P	11/13/2025	17:51	LB137889
	Selenium	4.82	<5	U	10.0	P	11/13/2025	17:51	LB137889
	Zinc	8.33	<10	U	20.0	P	11/13/2025	17:51	LB137889

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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
ICSA01	Arsenic	7.42			-20	20	11/13/2025	13:29	LB137889
	Cadmium	-0.18	1.0	18	-5	7	11/13/2025	13:29	LB137889
	Chromium	49.7	52.0	96	42	62	11/13/2025	13:29	LB137889
	Copper	2.75	2.0	138	-18	22	11/13/2025	13:29	LB137889
	Lead	-8.14			-12	12	11/13/2025	13:29	LB137889
	Nickel	6.06	2.0	303	-38	42	11/13/2025	13:29	LB137889
	Selenium	-5.23			-20	20	11/13/2025	13:29	LB137889
	Zinc	1.59			-40	40	11/13/2025	13:29	LB137889
ICSAB01	Arsenic	110	104	106	88.4	120	11/13/2025	13:33	LB137889
	Cadmium	982	972	101	826	1120	11/13/2025	13:33	LB137889
	Chromium	555	542	102	460	624	11/13/2025	13:33	LB137889
	Copper	487	511	95	434	588	11/13/2025	13:33	LB137889
	Lead	42.2	49.0	86	37	61	11/13/2025	13:33	LB137889
	Nickel	1000	954	105	810	1100	11/13/2025	13:33	LB137889
	Selenium	54.7	46.0	119	26	66	11/13/2025	13:33	LB137889
	Zinc	1010	952	106	809	1095	11/13/2025	13:33	LB137889



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Dal-Tile</u>	level: <u>low</u>	sdg no.: <u>Q3616</u>
contract: <u>DALT01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3616-05</u>	client id: <u>CompositeMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3616-05MS</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	462		47.8		400	104		P
Cadmium	ug/L	75 - 125	102		0.27	J	100	102		P
Chromium	ug/L	75 - 125	274		91.4		200	91		P
Copper	ug/L	75 - 125	143		8.98	J	150	89		P
Lead	ug/L	75 - 125	490		9.88		500	96		P
Nickel	ug/L	75 - 125	263		12.1	J	250	100		P
Selenium	ug/L	75 - 125	1580		563		1000	102		P
Zinc	ug/L	75 - 125	486		414		100	72		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Dal-Tile</u>	level: <u>low</u>	sdg no.: <u>Q3616</u>
contract: <u>DALT01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3616-05</u>	client id: <u>CompositeMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3616-05MSD</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	461		47.8		400	103		P
Cadmium	ug/L	75 - 125	102		0.27	J	100	101		P
Chromium	ug/L	75 - 125	281		91.4		200	95		P
Copper	ug/L	75 - 125	143		8.98	J	150	89		P
Lead	ug/L	75 - 125	489		9.88		500	96		P
Nickel	ug/L	75 - 125	264		12.1	J	250	101		P
Selenium	ug/L	75 - 125	1580		563		1000	101		P
Zinc	ug/L	75 - 125	524		414		100	109		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Dal-Tile **level:** low **sdg no.:** Q3616
contract: DALT01 **lab code:** ACE
matrix: Water **sample id:** Q3620-02 **client id:** 1010-BMS
Percent Solids for Sample: NA **Spiked ID:** Q3620-02MS **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	2.88		0.098	J	4.0	70	N	CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Dal-Tile</u>	level: <u>low</u>	sdg no.: <u>Q3616</u>
contract: <u>DALT01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3620-02</u>	client id: <u>1010-BMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3620-02MSD</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
Mercury	ug/L	75 - 125	3.08		0.098	J	4.0	75		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

Lab Code: ACE

Matrix: Water

Level: LOW

Client ID: 1010-BA

Sample ID: Q3620-02

Spiked ID: Q3620-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.10		0.098	J	4.00	100		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Dal-Tile</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3616</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3616-05</u>	Client ID:	<u>CompositeDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3616-05DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	47.8		49.0		2		P
Cadmium	ug/L	20	0.27	J	3.00	U	200.0		P
Chromium	ug/L	20	91.4		90.9		1		P
Copper	ug/L	20	8.98	J	8.93	J	1		P
Lead	ug/L	20	9.88		9.14		8		P
Nickel	ug/L	20	12.1	J	12.1	J	0		P
Selenium	ug/L	20	563		566		1		P
Zinc	ug/L	20	414		413		0		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Dal-Tile</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3616</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3616-05MS</u>	Client ID:	<u>CompositeMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3616-05MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	462		461		0		P
Cadmium	ug/L	20	102		102		0		P
Chromium	ug/L	20	274		281		3		P
Copper	ug/L	20	143		143		0		P
Lead	ug/L	20	490		489		0		P
Nickel	ug/L	20	263		264		0		P
Selenium	ug/L	20	1580		1580		0		P
Zinc	ug/L	20	486		524		8		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Dal-Tile</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3616</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3620-02</u>	Client ID:	<u>1010-BDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3620-02DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.098	J	0.077	J	24		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Dal-Tile</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3616</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3620-02MS</u>	Client ID:	<u>1010-BMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3620-02MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	2.88		3.08		7		CV

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170531BS							
Arsenic	ug/L	400	379		95	80 - 120	P
Cadmium	ug/L	100	93.6		94	80 - 120	P
Chromium	ug/L	200	201		100	80 - 120	P
Copper	ug/L	150	153		102	80 - 120	P
Lead	ug/L	500	465		93	80 - 120	P
Nickel	ug/L	250	242		97	80 - 120	P
Selenium	ug/L	1000	944		94	80 - 120	P
Zinc	ug/L	100	103		103	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170561BS Mercury	ug/L	4.0	3.87		97	80 - 120	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

CompositeL

Lab Name: Alliance

Contract: DALT01

Lab Code: ACE

Lb No.: lb137889

Lab Sample ID : Q3616-05L

SDG No.: Q3616

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
Arsenic	47.8		52.4		10			P
Cadmium	0.27	J	15.0	U	100.0			P
Chromium	91.4		91.4		0			P
Copper	8.98	J	50.0	U	100.0			P
Lead	9.88		14.0	J	41			P
Nickel	12.1	J	11.3	J	7			P
Selenium	563		506		10			P
Zinc	414		385		7			P

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

1010-BL

Lab Name: Alliance

Contract: DALT01

Lab Code: ACE **Lb No.:** lb137914 **Lab Sample ID :** Q3620-02L **SDG No.:** Q3616

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	0.098 J	1.00 U	100.0		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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
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
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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
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
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
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
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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
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
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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
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
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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: PB170531							
PB170531BL	PB170531BL	MB	WATER	11/13/2025	50.0	25.0	
PB170531BS	PB170531BS	LCS	WATER	11/13/2025	50.0	25.0	
Q3616-05	Composite	SAM	WATER	11/13/2025	50.0	25.0	
Q3616-05DUP	CompositeDUP	DUP	WATER	11/13/2025	50.0	25.0	
Q3616-05MS	CompositeMS	MS	WATER	11/13/2025	50.0	25.0	
Q3616-05MSD	CompositeMSD	MSD	WATER	11/13/2025	50.0	25.0	

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

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: PB170561							
PB170561BL	PB170561BL	MB	WATER	11/14/2025	30.0	30.0	
PB170561BS	PB170561BS	LCS	WATER	11/14/2025	30.0	30.0	
Q3616-05	Composite	SAM	WATER	11/14/2025	30.0	30.0	
Q3620-02DUP	1010-BDUP	DUP	WATER	11/14/2025	30.0	30.0	
Q3620-02MS	1010-BMS	MS	WATER	11/14/2025	30.0	30.0	
Q3620-02MSD	1010-BMSD	MSD	WATER	11/14/2025	30.0	30.0	

metals
- 14 -
ANALYSIS RUN LOG

Client: Dal-Tile

Contract: DALT01

Lab code: ACE

Sdg no.: Q3616

Instrument id number: _____

Method: _____

Run number: LB137889

Start date: 11/13/2025

End date: 11/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1246	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1251	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1255	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1259	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1303	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1307	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1312	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1316	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1321	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1325	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1329	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1333	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1346	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1350	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1435	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1439	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1548	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1551	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1636	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1640	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1727	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1731	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170531BL	PB170531BL	1	1751	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170531BS	PB170531BS	1	1756	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3616-05	Composite	1	1800	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3616-05DUP	CompositeDUP	1	1804	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3616-05L	CompositeL	5	1808	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3616-05MS	CompositeMS	1	1813	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV06	CCV06	1	1817	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB06	CCB06	1	1825	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3616-05MSD	CompositeMSD	1	1833	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV07	CCV07	1	1838	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB07	CCB07	1	1842	As,Cd,Cr,Cu,Ni,Pb,Se,Zn

metals
- 14 -
ANALYSIS RUN LOG

Client: Dal-Tile

Contract: DALT01

Lab code: ACE

Sdg no.: Q3616

Instrument id number: _____

Method: _____

Run number: LB137914

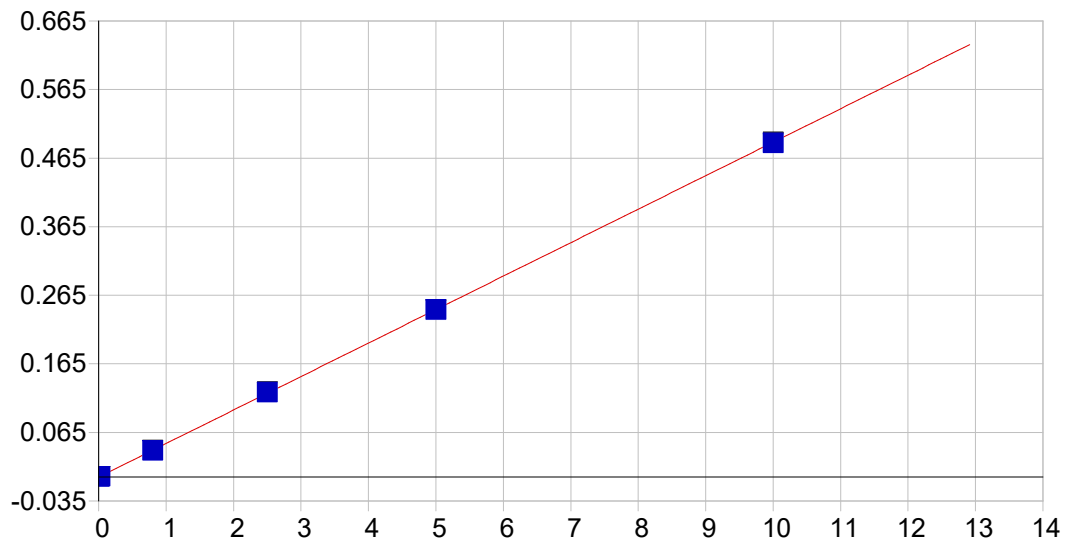
Start date: 11/17/2025

End date: 11/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1236	HG
S0.2	S0.2	1	1239	HG
S2.5	S2.5	1	1241	HG
S5	S5	1	1243	HG
S7.5	S7.5	1	1248	HG
S10	S10	1	1251	HG
ICV117	ICV117	1	1254	HG
ICB117	ICB117	1	1256	HG
CCV01	CCV01	1	1306	HG
CCB01	CCB01	1	1308	HG
CRA	CRA	1	1311	HG
PB170561BL	PB170561BL	1	1320	HG
PB170561BS	PB170561BS	1	1322	HG
Q3616-05	Composite	1	1325	HG
Q3620-02DUP	1010-BDUP	1	1332	HG
Q3620-02MS	1010-BMS	1	1334	HG
CCV02	CCV02	1	1339	HG
CCB02	CCB02	1	1341	HG
Q3620-02MSD	1010-BMSD	1	1343	HG
Q3620-02L	1010-BL	5	1348	HG
Q3620-02A	1010-BA	1	1350	HG
CCV03	CCV03	1	1352	HG
CCB03	CCB03	1	1355	HG



METAL RAW DATA

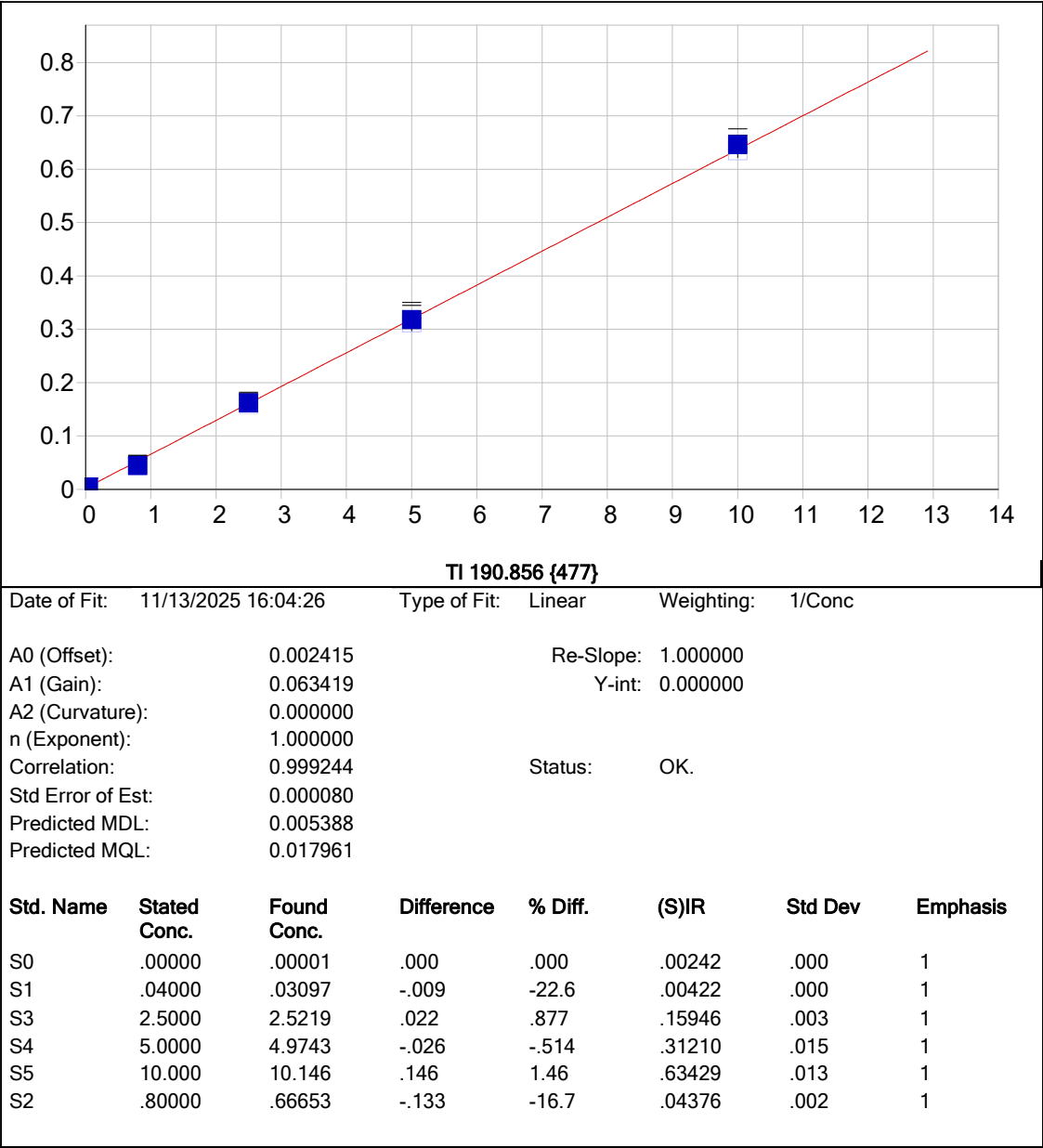


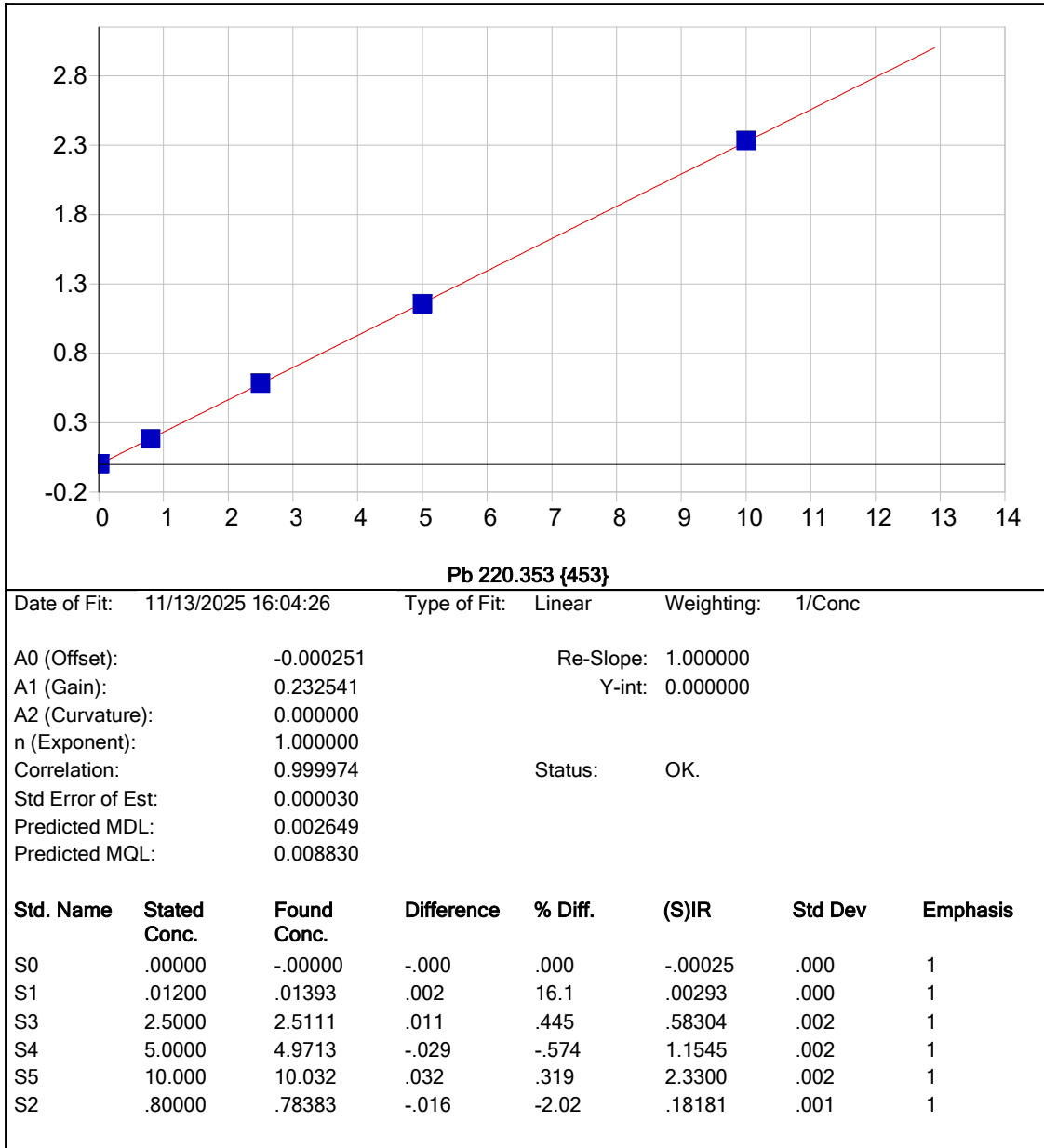
As 189.042 {479}

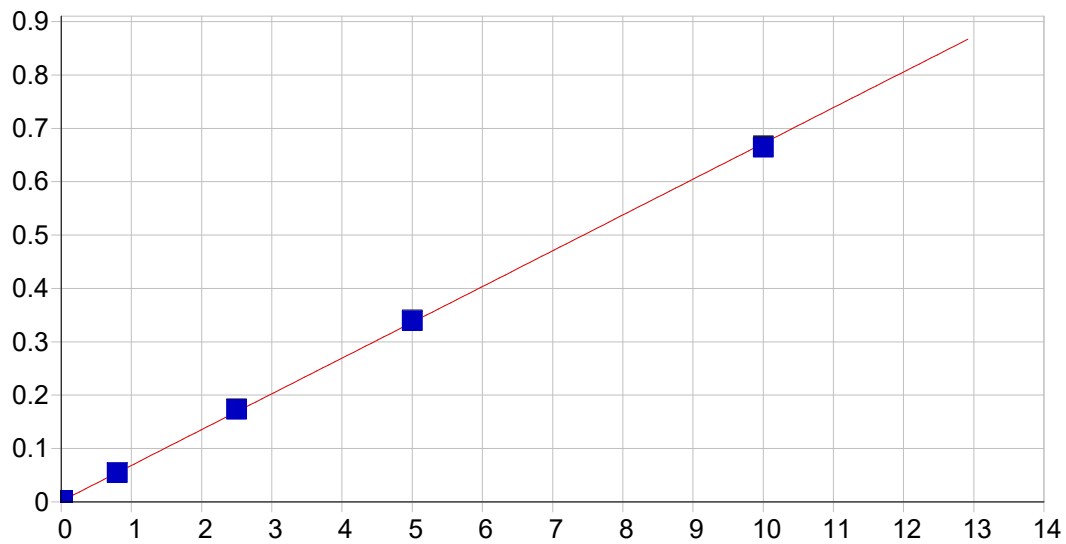
Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000002 Re-Slope: 1.000000
A1 (Gain): 0.048822 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999984 Status: OK.
Std Error of Est: 0.000007
Predicted MDL: 0.005699
Predicted MQL: 0.018996

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00000	.000	1
S1	.02000	.01882	-.001	-5.91	.00092	.000	1
S3	2.5000	2.5325	.032	1.30	.12352	.000	1
S4	5.0000	4.9945	-.006	-.110	.24359	.000	1
S5	10.000	9.9811	-.019	-.189	.48679	.001	1
S2	.80000	.79312	-.007	-.860	.03868	.000	1





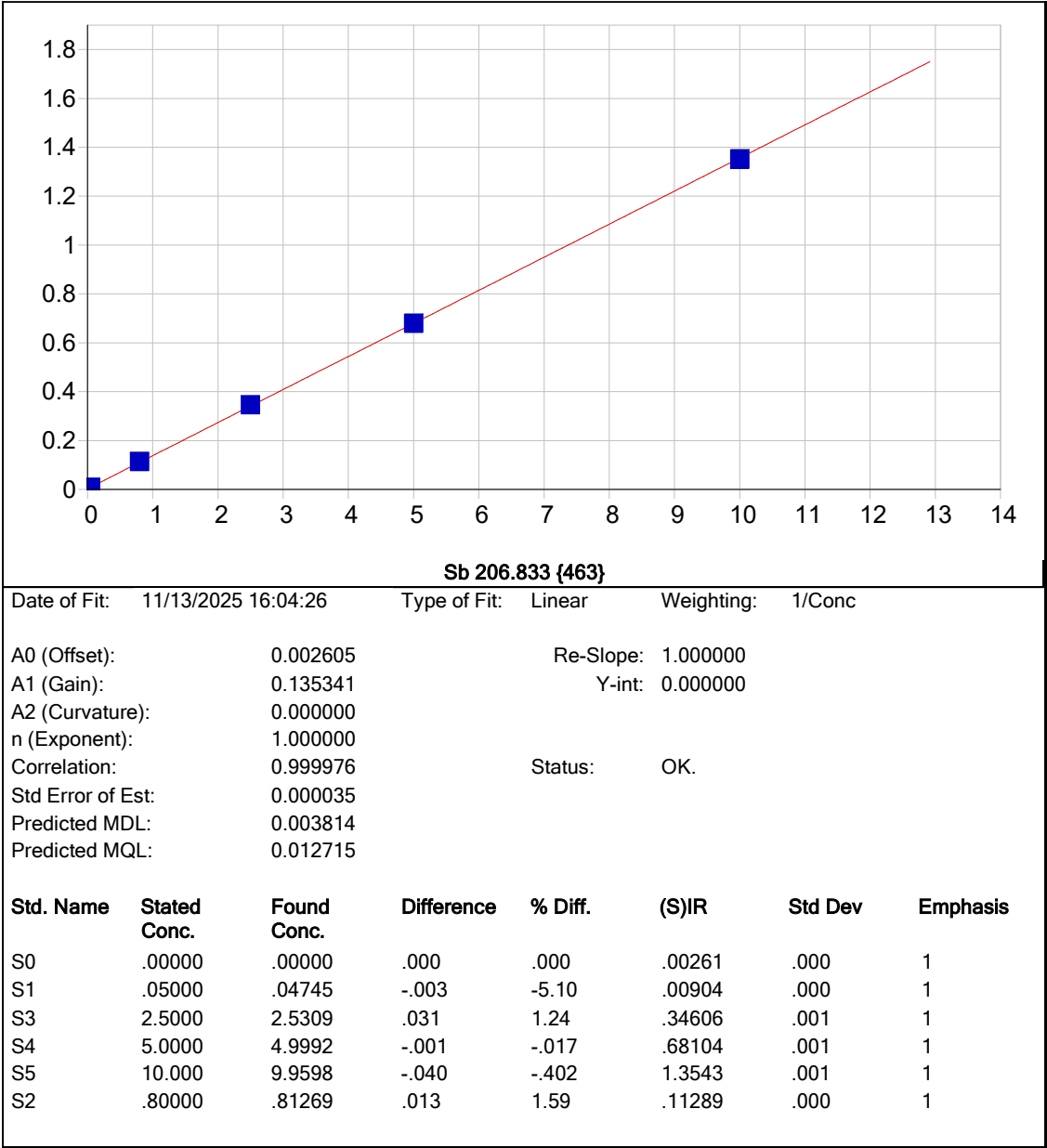


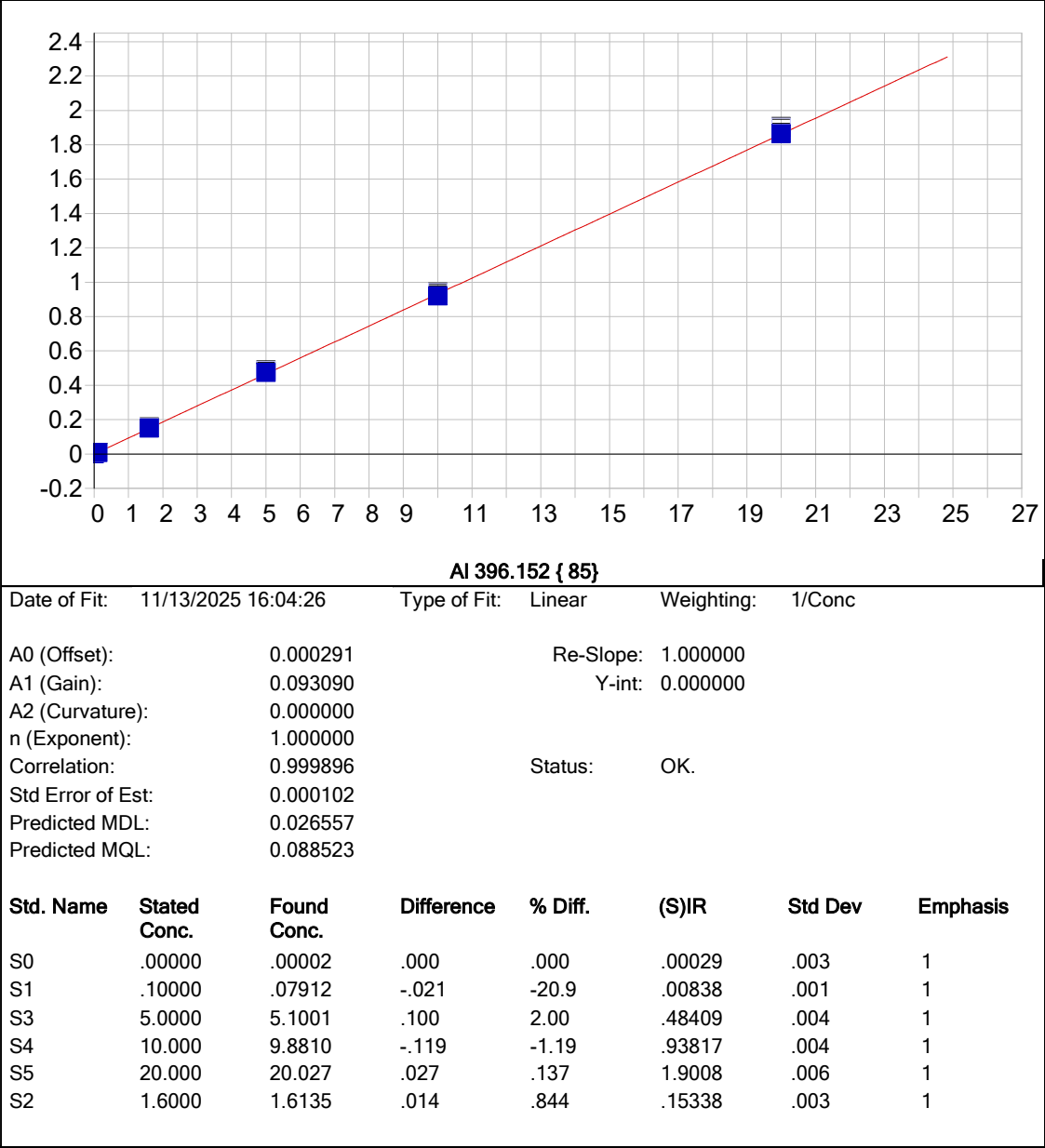
Se 196.090 {472}

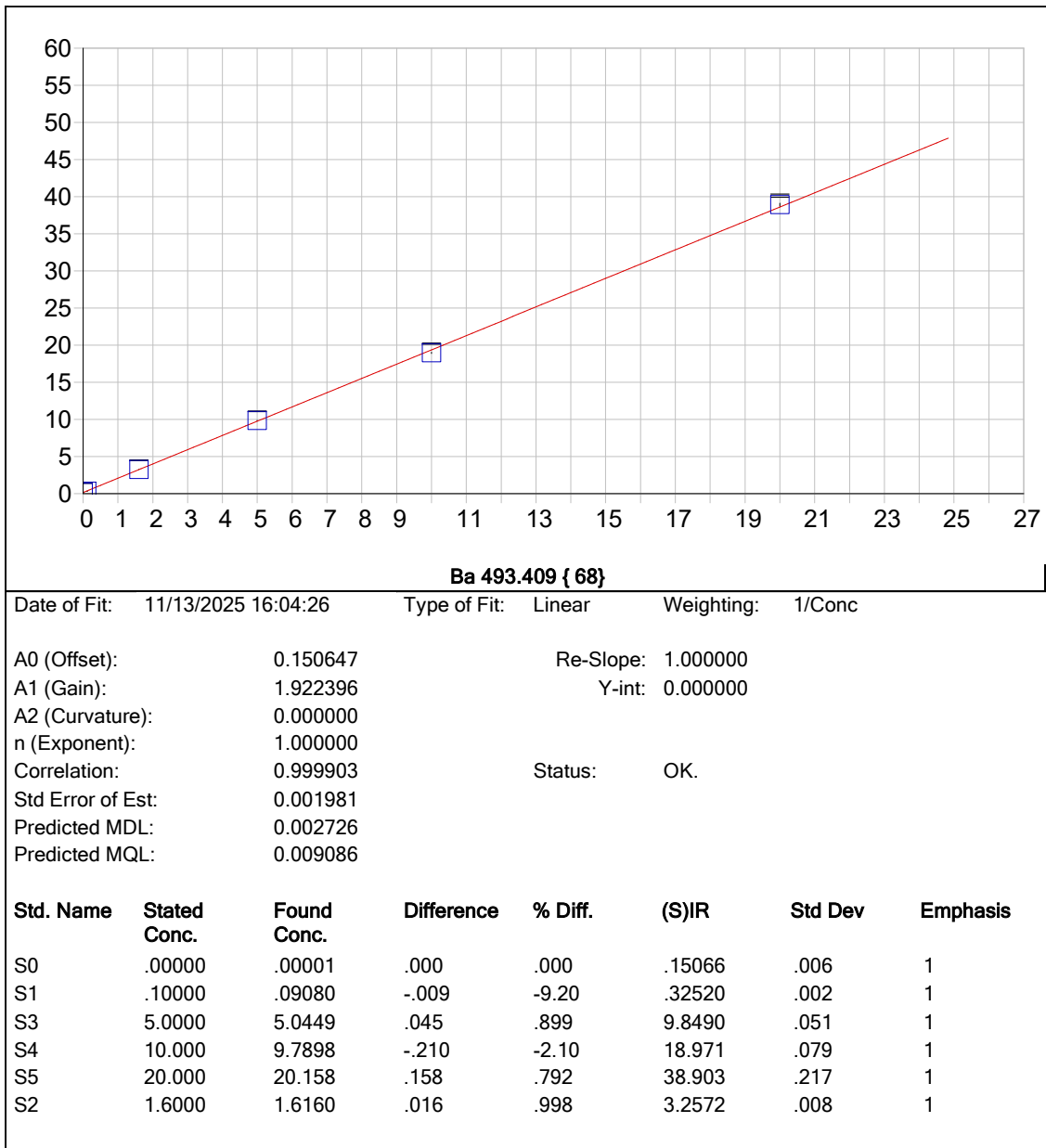
Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

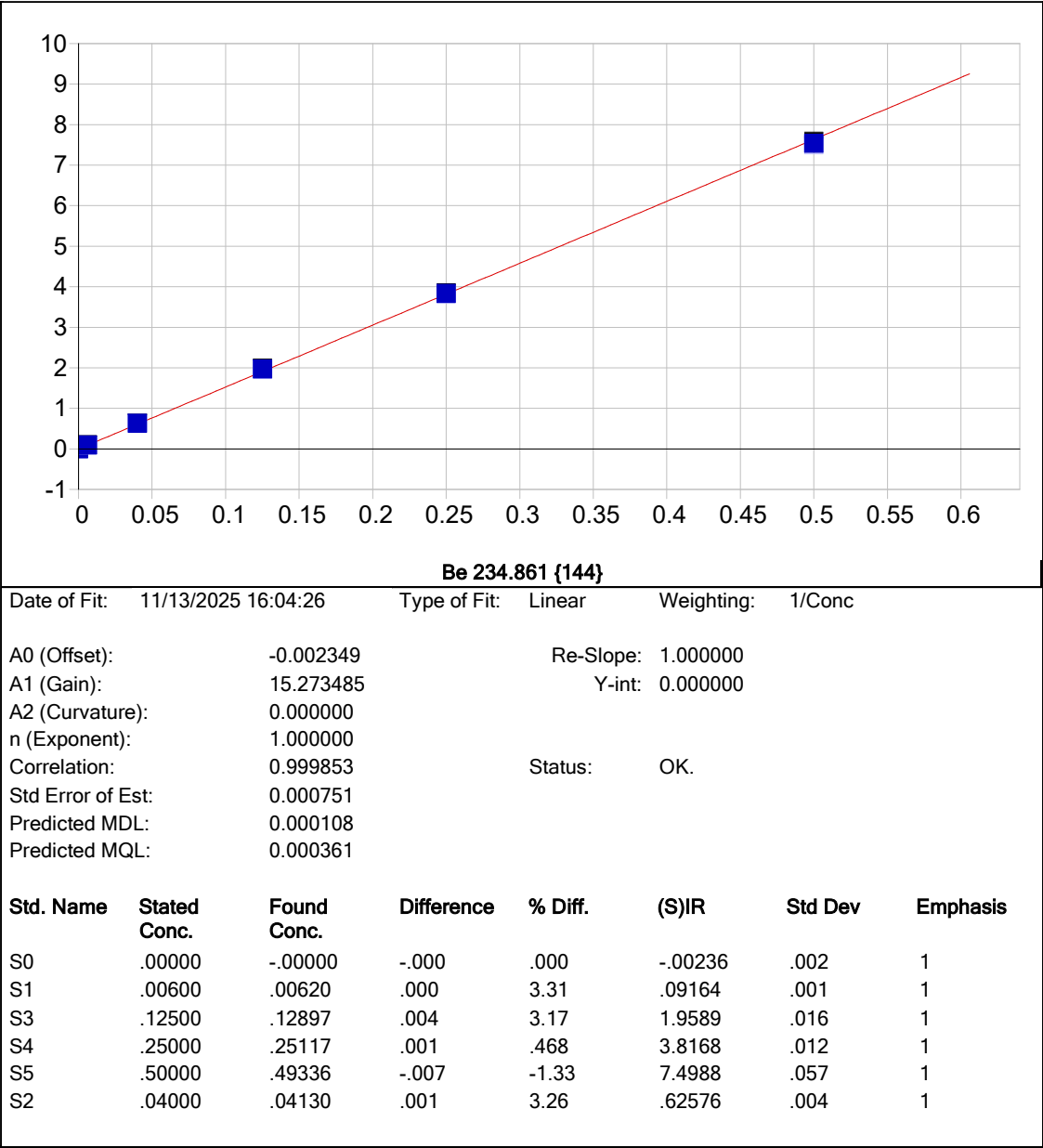
A0 (Offset): 0.001309 Re-Slope: 1.000000
A1 (Gain): 0.067040 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999911 Status: OK.
Std Error of Est: 0.000021
Predicted MDL: 0.005908
Predicted MQL: 0.019695

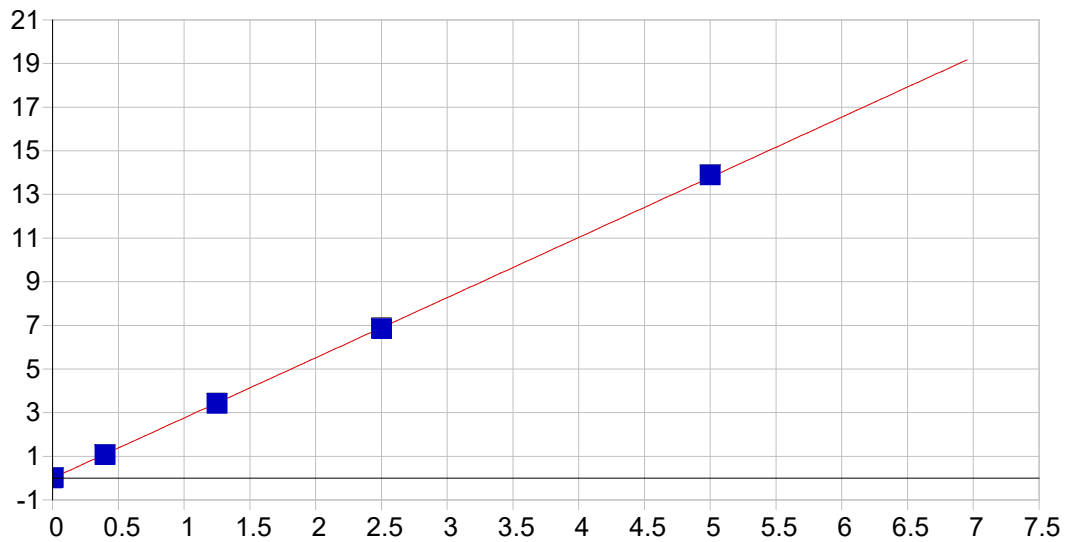
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00131	.000	1
S1	.02000	.01939	-.001	-3.06	.00261	.000	1
S3	2.5000	2.5666	.067	2.67	.17335	.001	1
S4	5.0000	5.0421	.042	.842	.33928	.001	1
S5	10.000	9.8942	-.106	-1.06	.66451	.002	1
S2	.80000	.79769	-.002	-.289	.05478	.000	1









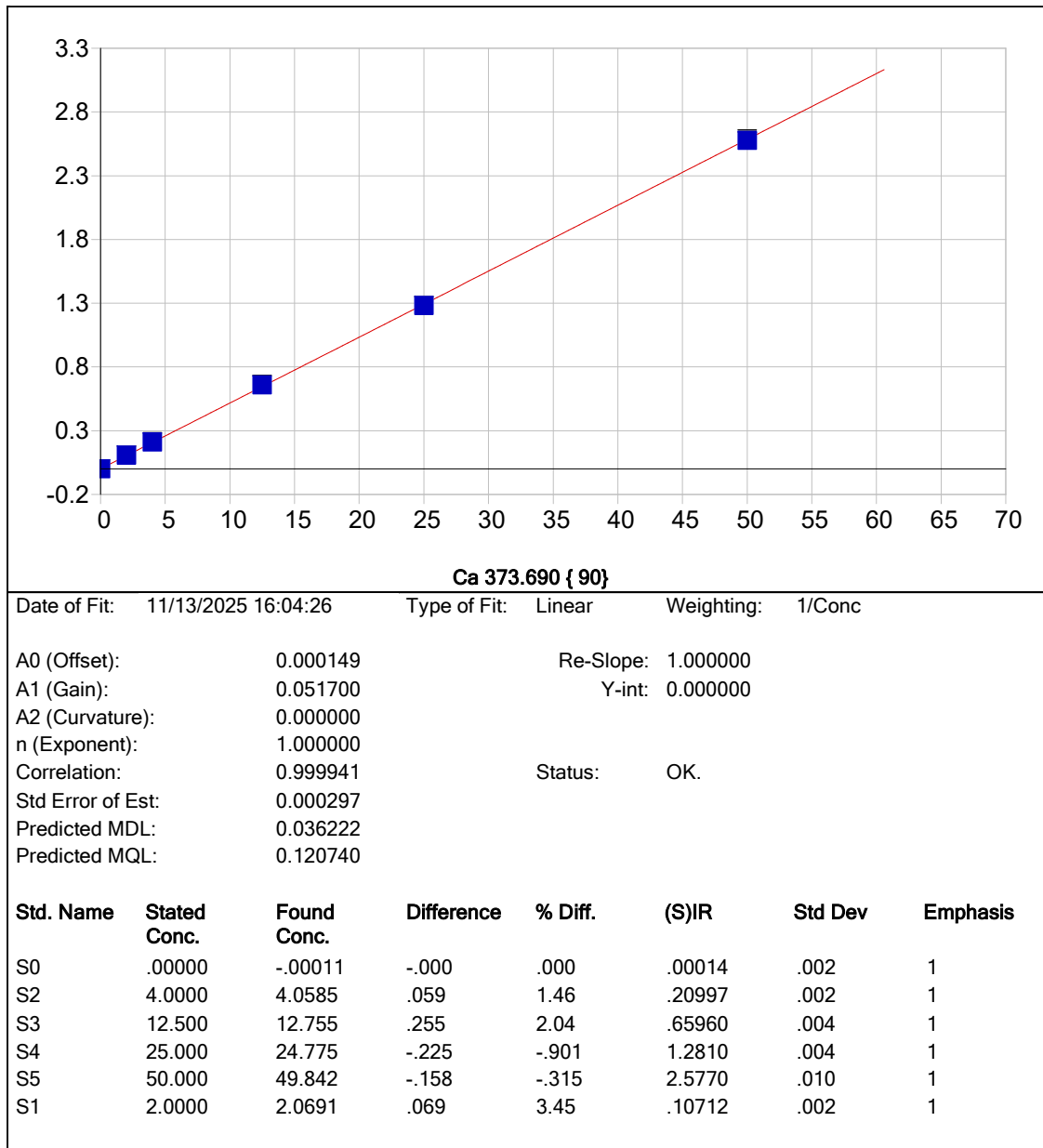


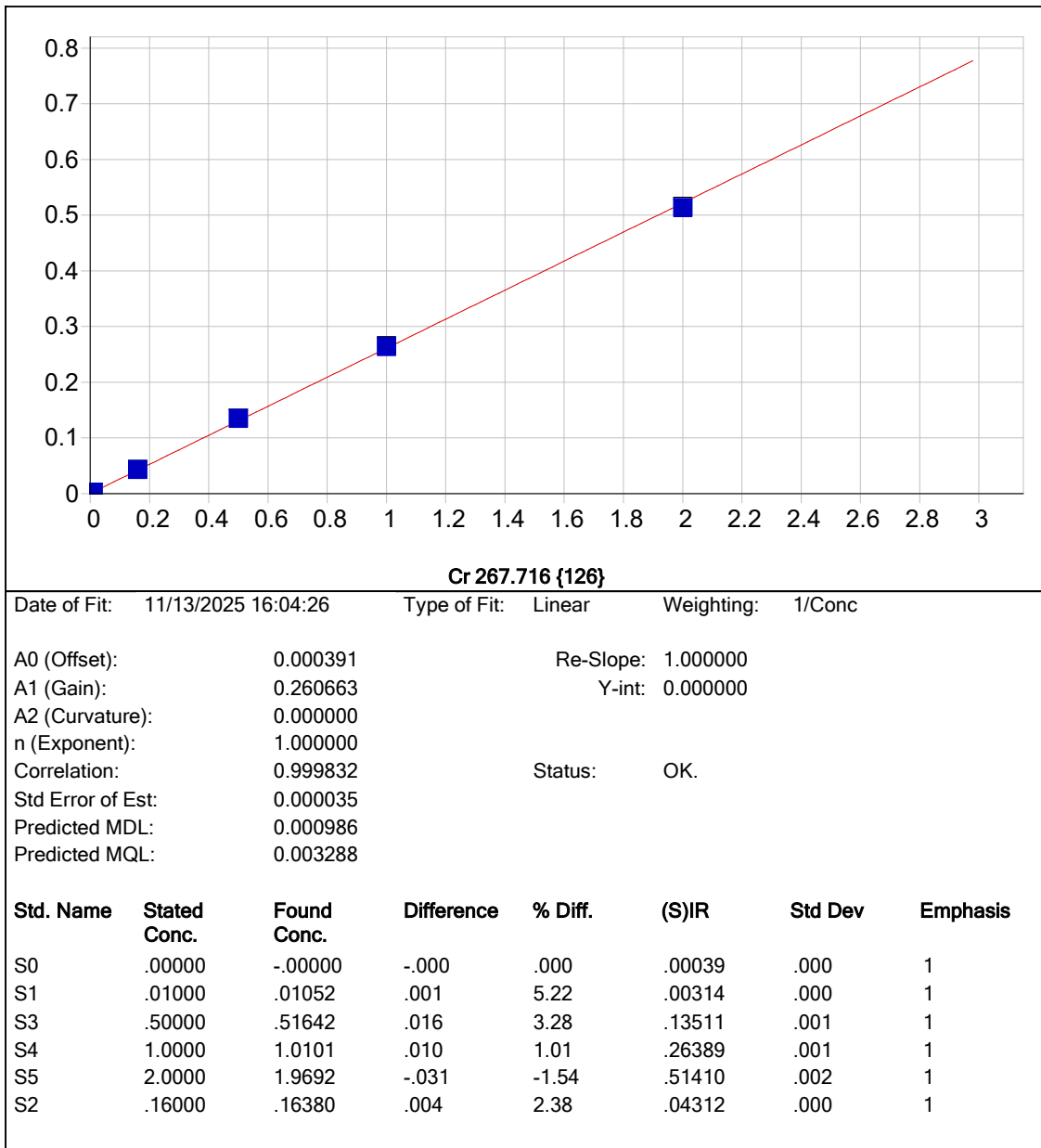
Cd 226.502 {449}

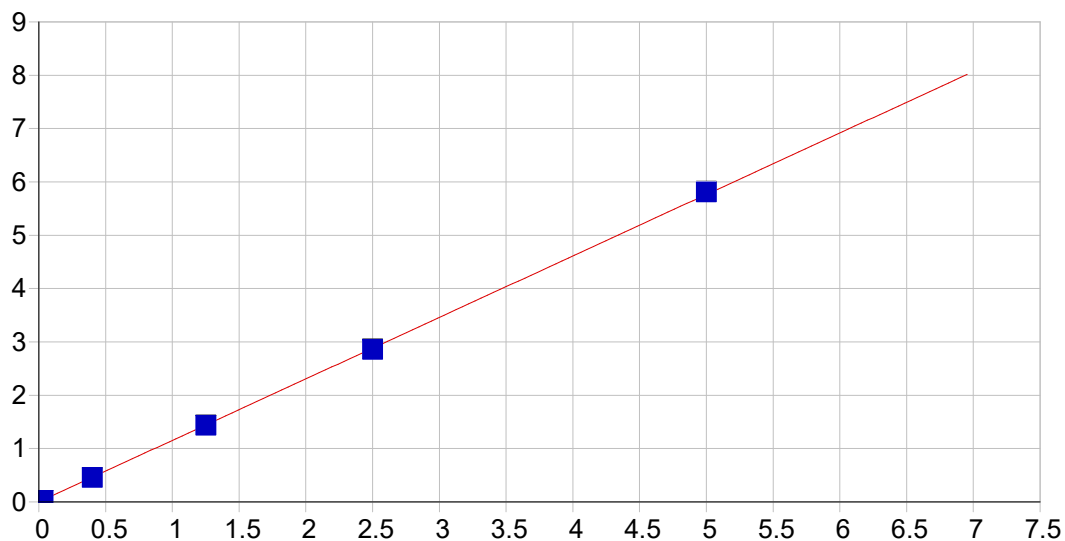
Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.002303	Re-Slope:	1.000000
A1 (Gain):	2.757840	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999949	Status:	OK.
Std Error of Est:	0.000254		
Predicted MDL:	0.000181		
Predicted MQL:	0.000602		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00230	.000	1
S1	.00600	.00593	-.000	-1.21	.01410	.000	1
S3	1.2500	1.2416	-.008	-.674	3.4240	.013	1
S4	2.5000	2.4841	-.016	-.635	6.8531	.020	1
S5	5.0000	5.0384	.038	.768	13.902	.007	1
S2	.40000	.38599	-.014	-3.50	1.0629	.002	1





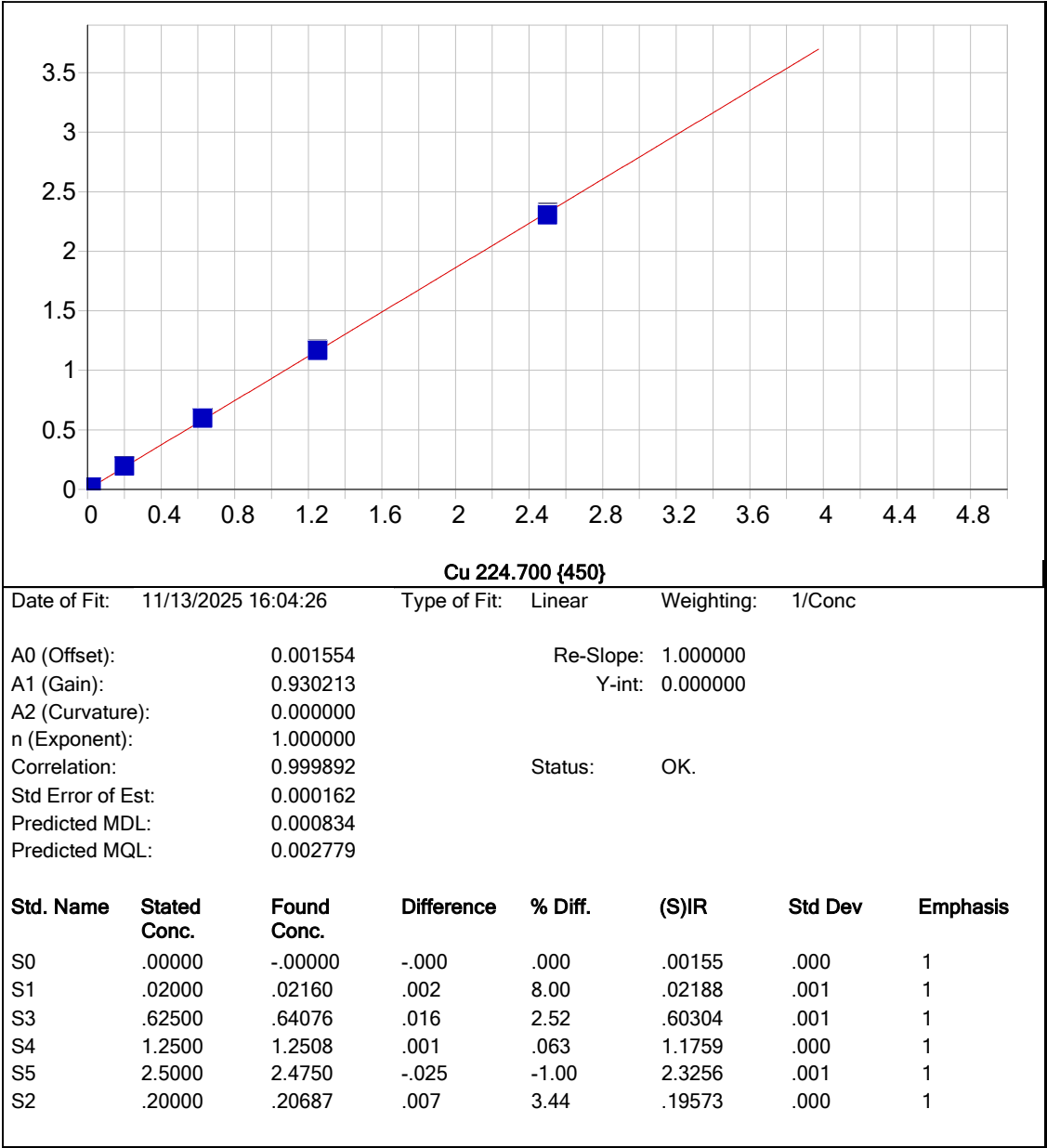


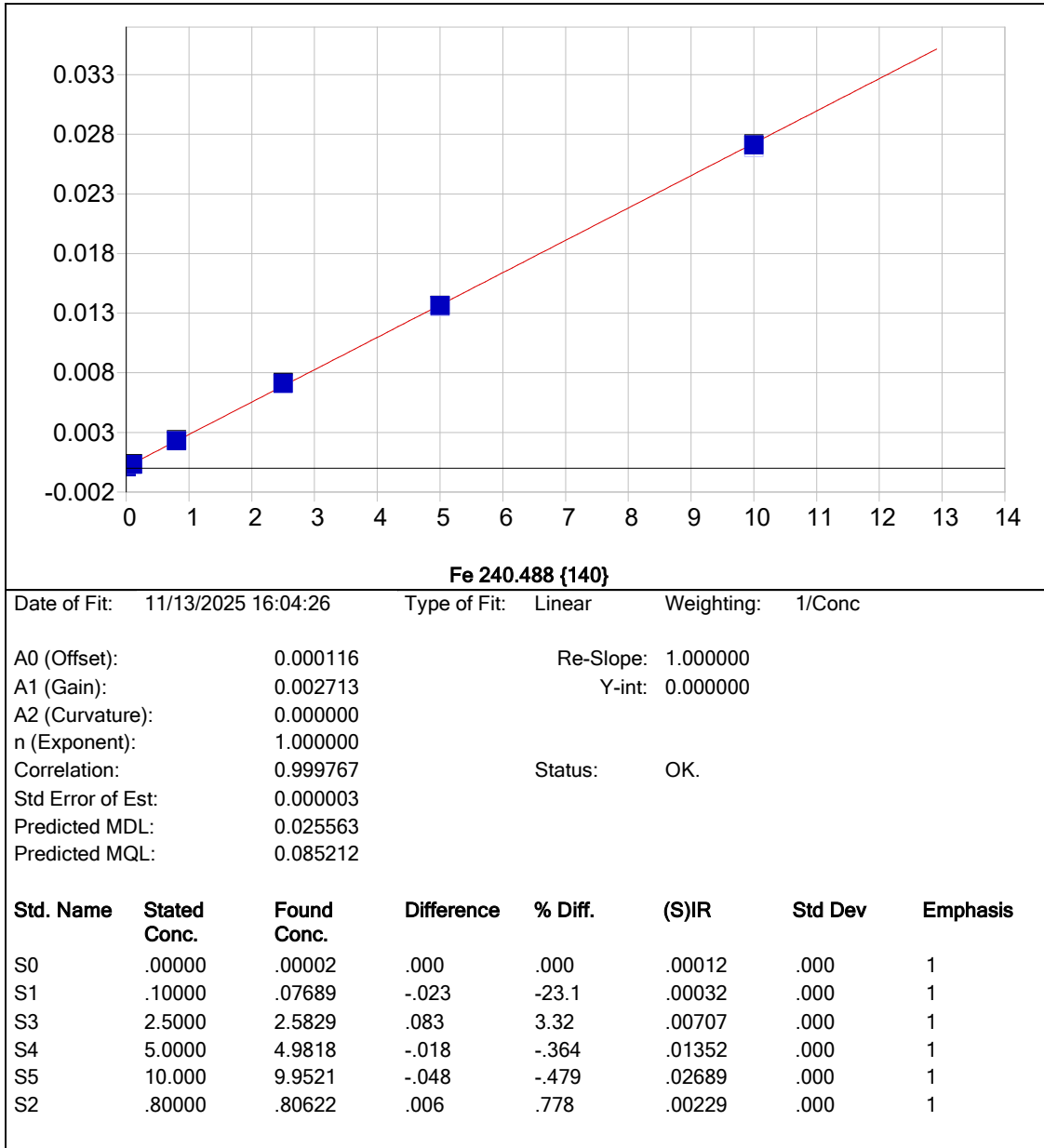
Co 228.616 {448}

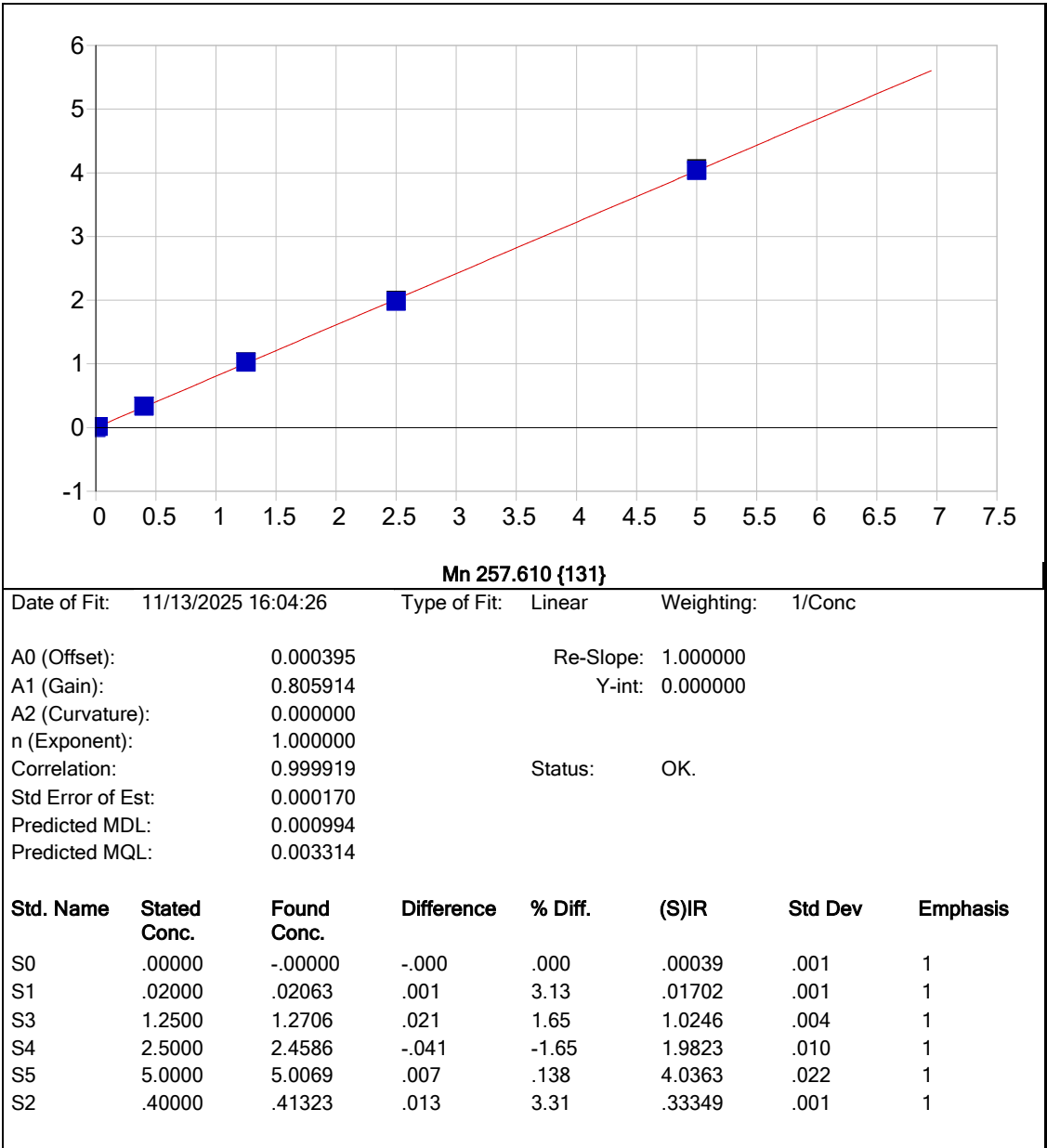
Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000757	Re-Slope:	1.000000
A1 (Gain):	1.152701	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999960	Status:	OK.
Std Error of Est:	0.000211		
Predicted MDL:	0.000402		
Predicted MQL:	0.001341		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00076	.000	1
S1	.03000	.02868	-.001	-4.40	.03367	.000	1
S3	1.2500	1.2445	-.006	-.442	1.4377	.005	1
S4	2.5000	2.4756	-.024	-.975	2.8593	.006	1
S5	5.0000	5.0384	.038	.768	5.8183	.007	1
S2	.40000	.39278	-.007	-1.80	.45430	.001	1

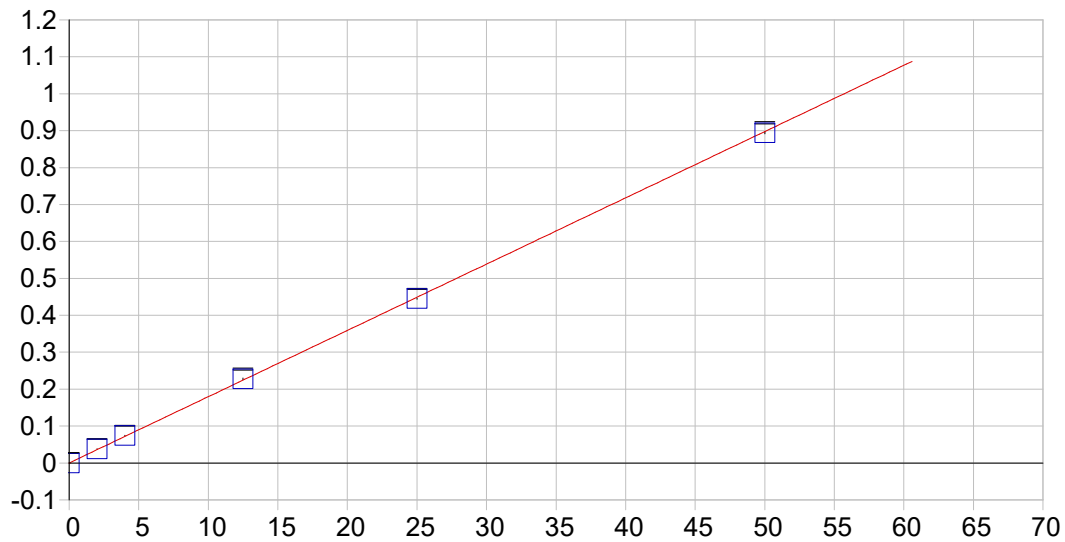






Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000395 Re-Slope: 1.000000
A1 (Gain): 0.805914 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999919 Status: OK.
Std Error of Est: 0.000170
Predicted MDL: 0.000994
Predicted MQL: 0.003314

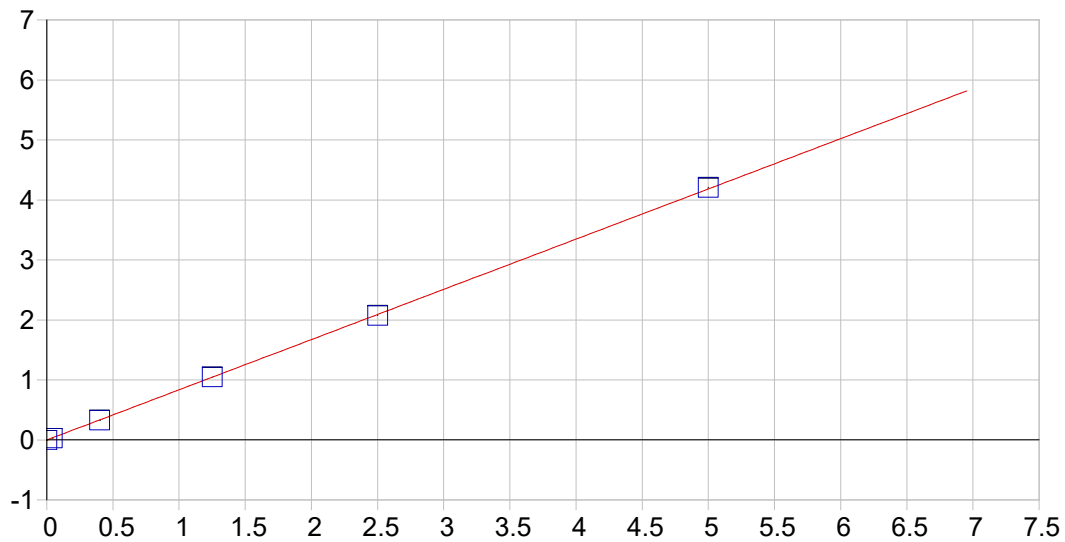


Mg 279.079 {121}

Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000094 Re-Slope: 1.000000
A1 (Gain): 0.017950 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999920 Status: OK.
Std Error of Est: 0.000120
Predicted MDL: 0.053332
Predicted MQL: 0.177772

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00017	-.000	.000	.00009	.001	1
S2	4.0000	4.1268	.127	3.17	.07417	.001	1
S3	12.500	12.672	.172	1.37	.22755	.003	1
S4	25.000	24.771	-.229	-.915	.44474	.001	1
S5	50.000	49.822	-.178	-.356	.89440	.003	1
S1	2.0000	2.1085	.108	5.42	.03794	.000	1

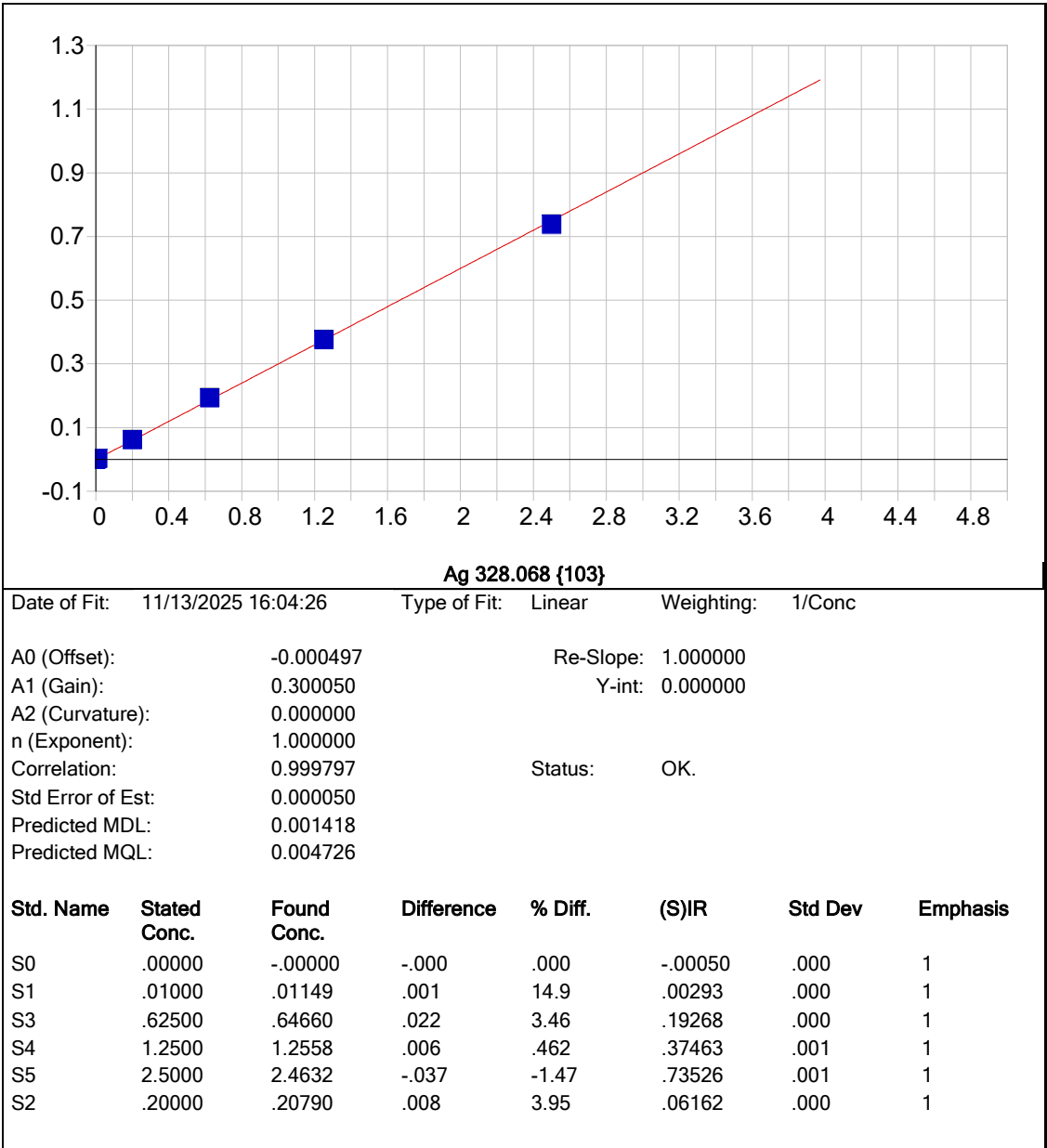


Ni 231.604 {446}

Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

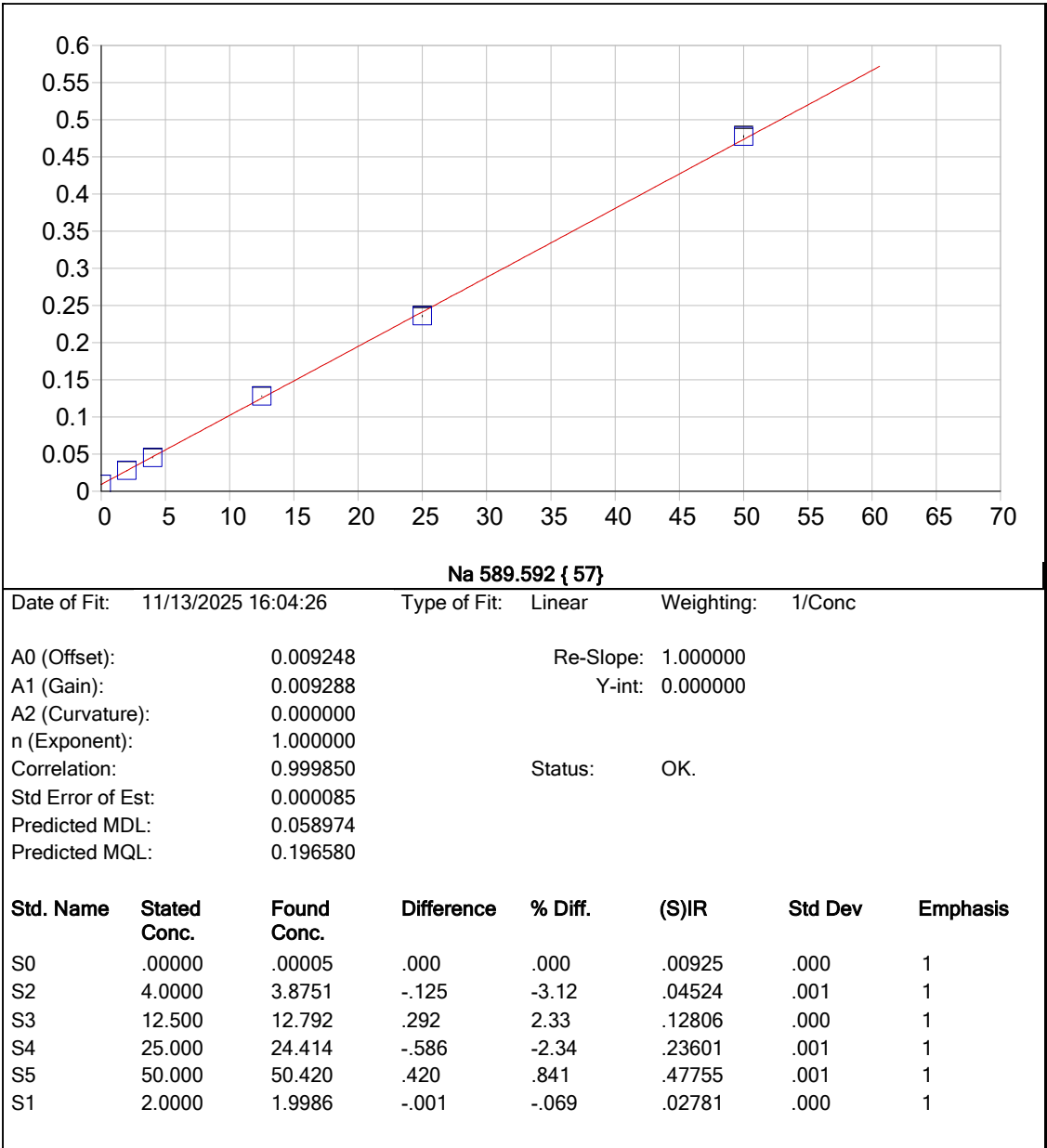
A0 (Offset): -0.001461 Re-Slope: 1.000000
A1 (Gain): 0.836909 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999979 Status: OK.
Std Error of Est: 0.000127
Predicted MDL: 0.000622
Predicted MQL: 0.002073

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00146	.000	1
S1	.04000	.03872	-.001	-3.21	.03094	.000	1
S3	1.2500	1.2513	.001	.106	1.0458	.004	1
S4	2.5000	2.4806	-.019	-.778	2.0745	.004	1
S5	5.0000	5.0247	.025	.494	4.2037	.004	1
S2	.40000	.39472	-.005	-1.32	.32888	.000	1

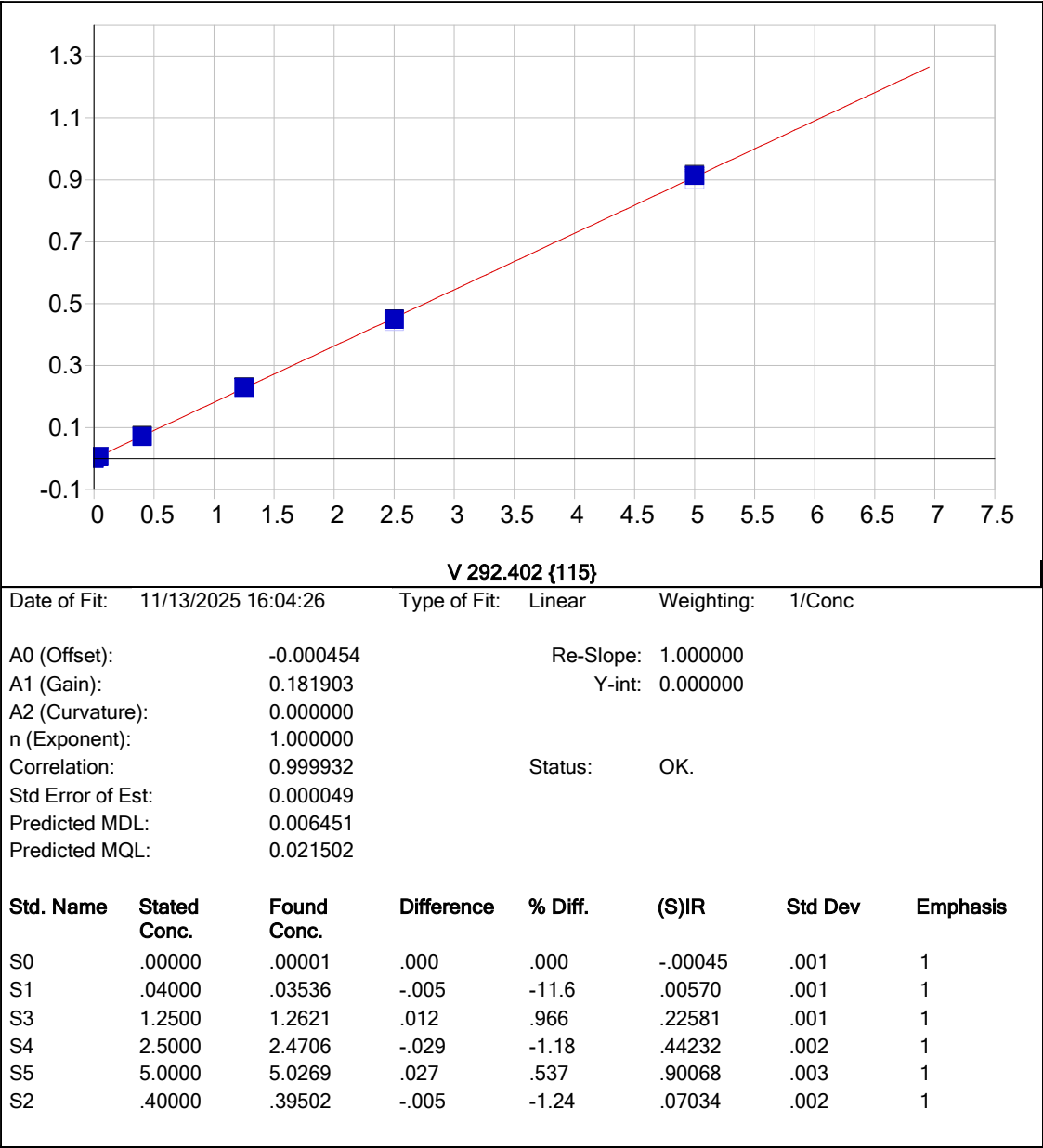


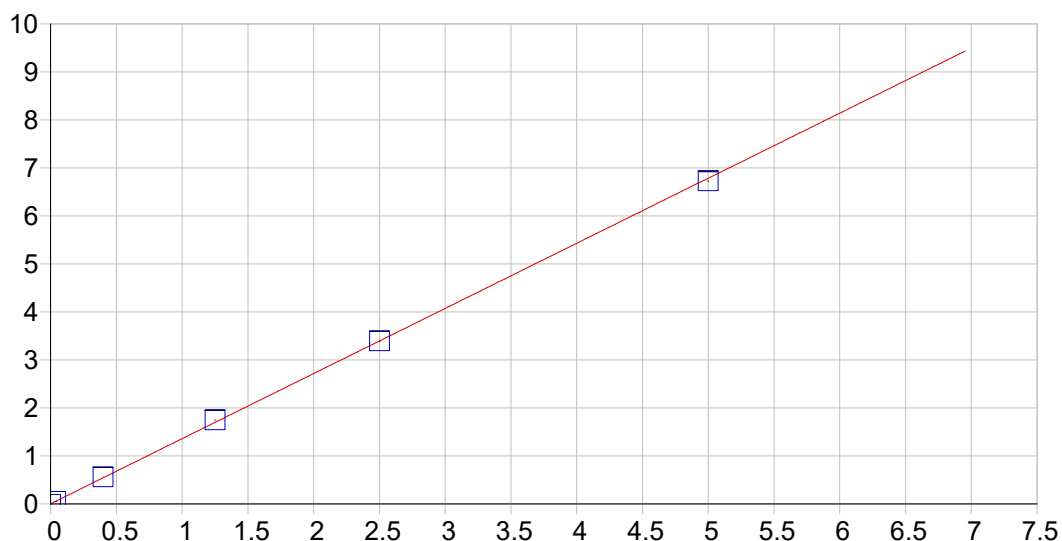
Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000497 Re-Slope: 1.000000
A1 (Gain): 0.300050 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999797 Status: OK.
Std Error of Est: 0.000050
Predicted MDL: 0.001418
Predicted MQL: 0.004726



Date of Fit:	11/13/2025 16:04:26	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.009248	Re-Slope:	1.000000		
A1 (Gain):	0.009288	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999850	Status:	OK.		
Std Error of Est:	0.000085				
Predicted MDL:	0.058974				
Predicted MQL:	0.196580				



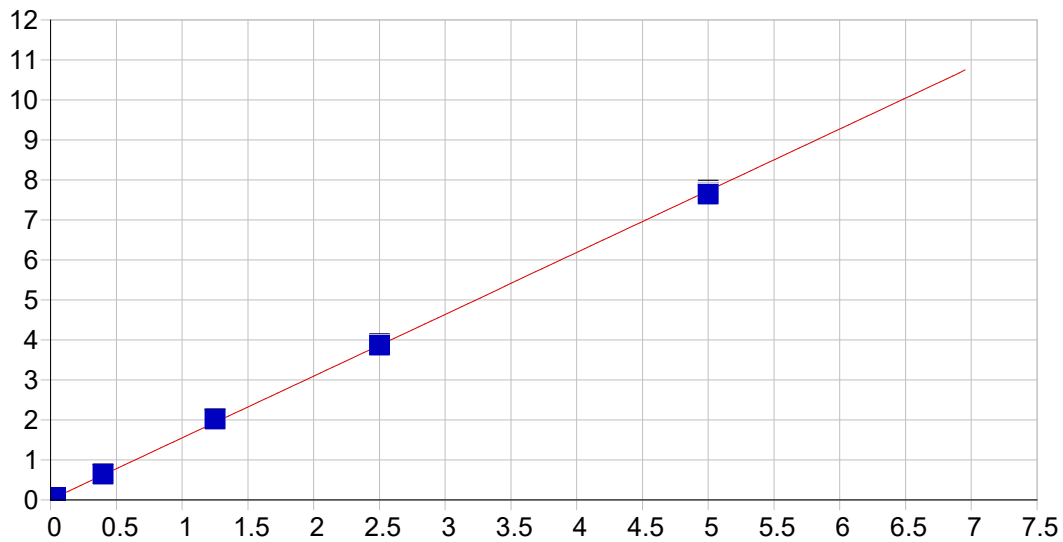


Zn 206.200 {464}

Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001890 Re-Slope: 1.000000
A1 (Gain): 1.356764 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999909 Status: OK.
Std Error of Est: 0.000428
Predicted MDL: 0.000311
Predicted MQL: 0.001035

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00189	.000	1
S1	.04000	.04002	.000	.045	.05619	.000	1
S3	1.2500	1.2853	.035	2.82	1.7457	.005	1
S4	2.5000	2.4998	-.000	-.008	3.3935	.003	1
S5	5.0000	4.9547	-.045	-.905	6.7243	.008	1
S2	.40000	.41019	.010	2.55	.55842	.002	1

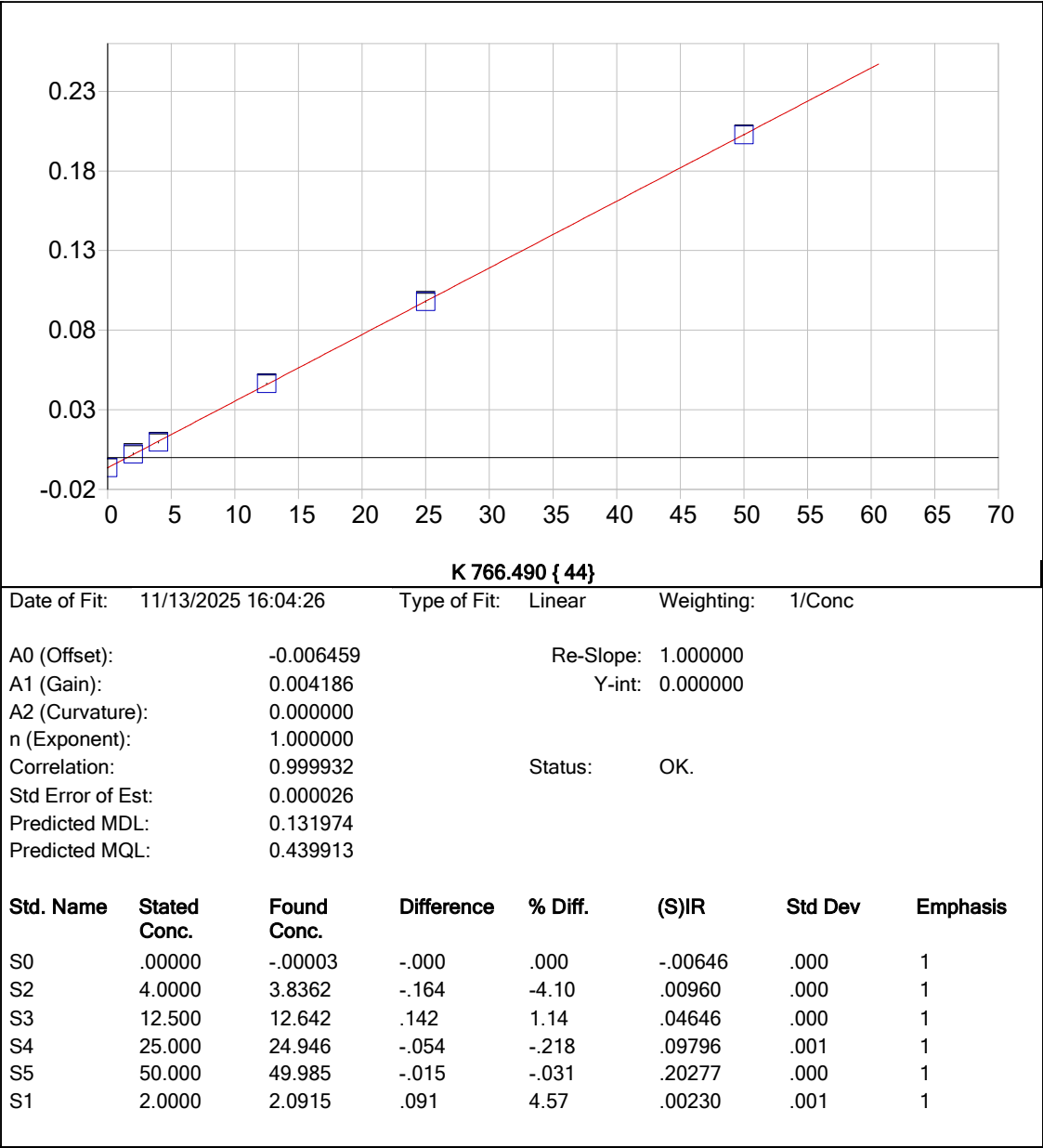


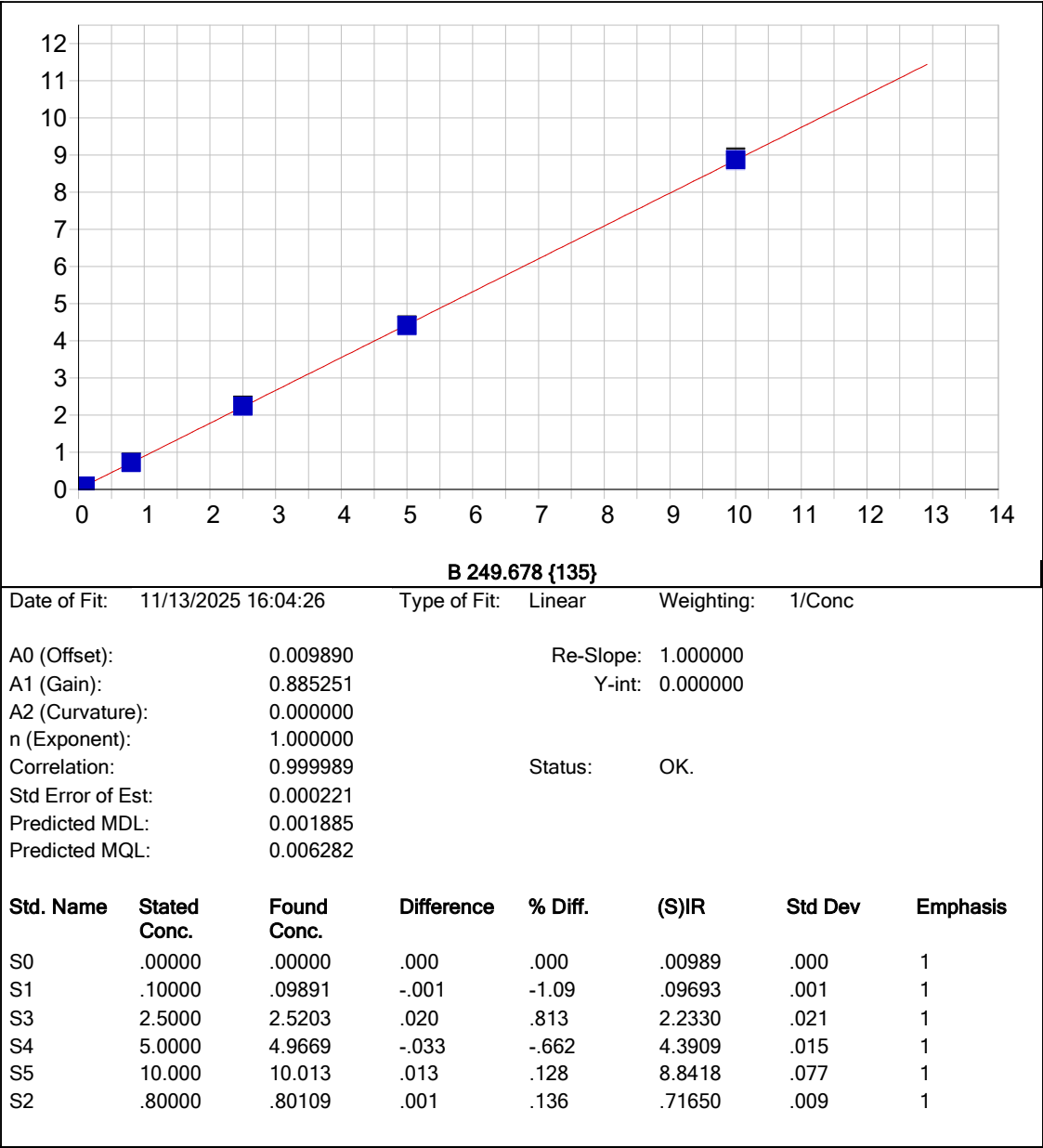
Zn 213.856 {158}

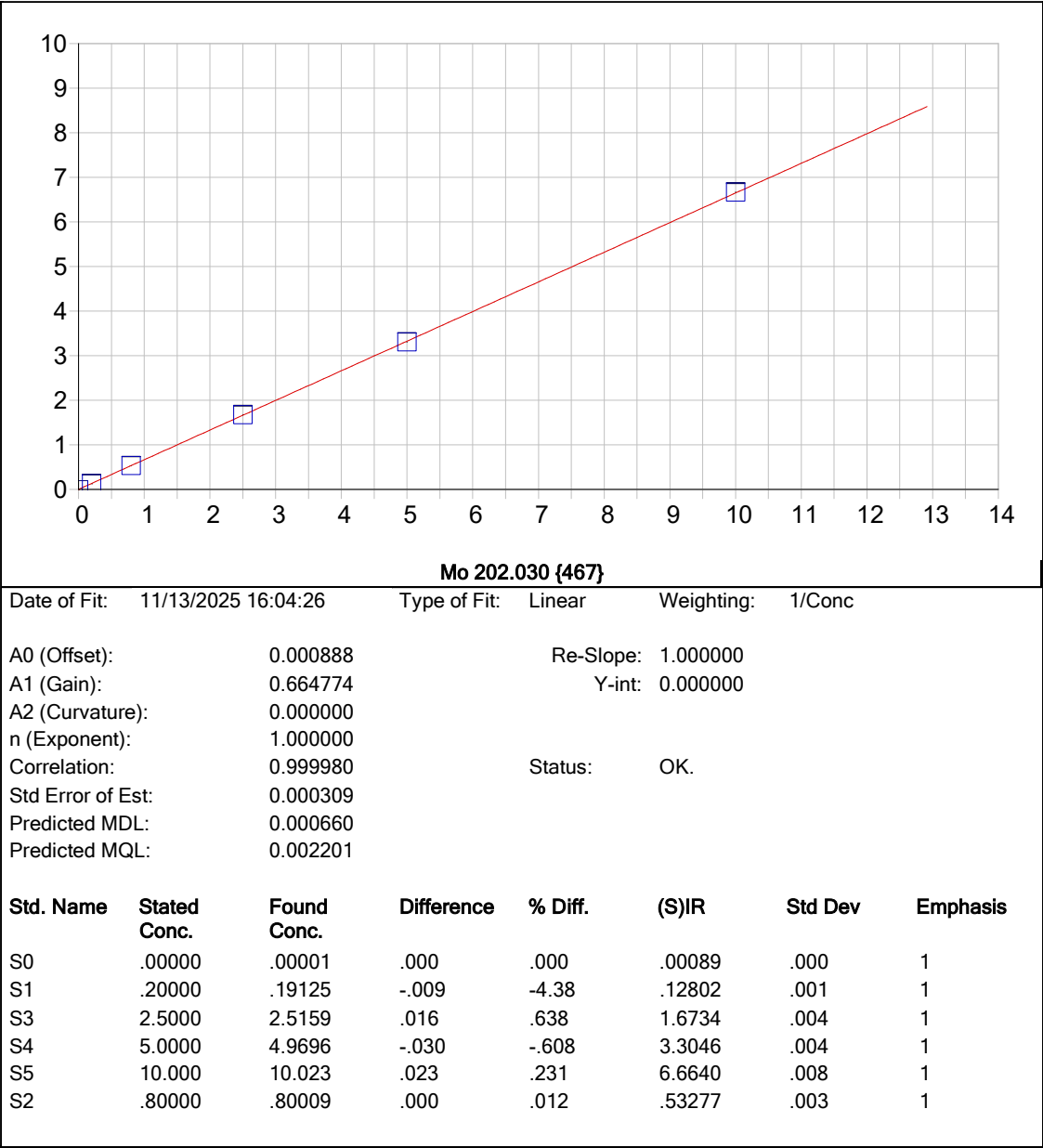
Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

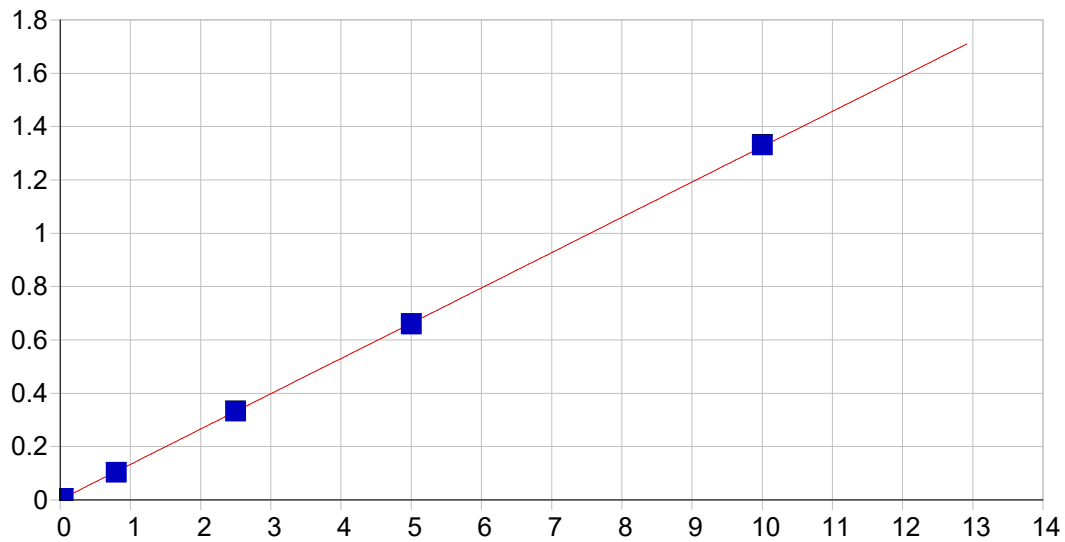
A0 (Offset): 0.004199 Re-Slope: 1.000000
A1 (Gain): 1.545143 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999827 Status: OK.
Std Error of Est: 0.000680
Predicted MDL: 0.000712
Predicted MQL: 0.002372

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00420	.001	1
S1	.04000	.03979	-.000	-.519	.06612	.000	1
S3	1.2500	1.3008	.051	4.07	2.0276	.008	1
S4	2.5000	2.4959	-.004	-.163	3.8876	.014	1
S5	5.0000	4.9402	-.060	-1.20	7.6912	.054	1
S2	.40000	.41328	.013	3.32	.64707	.003	1







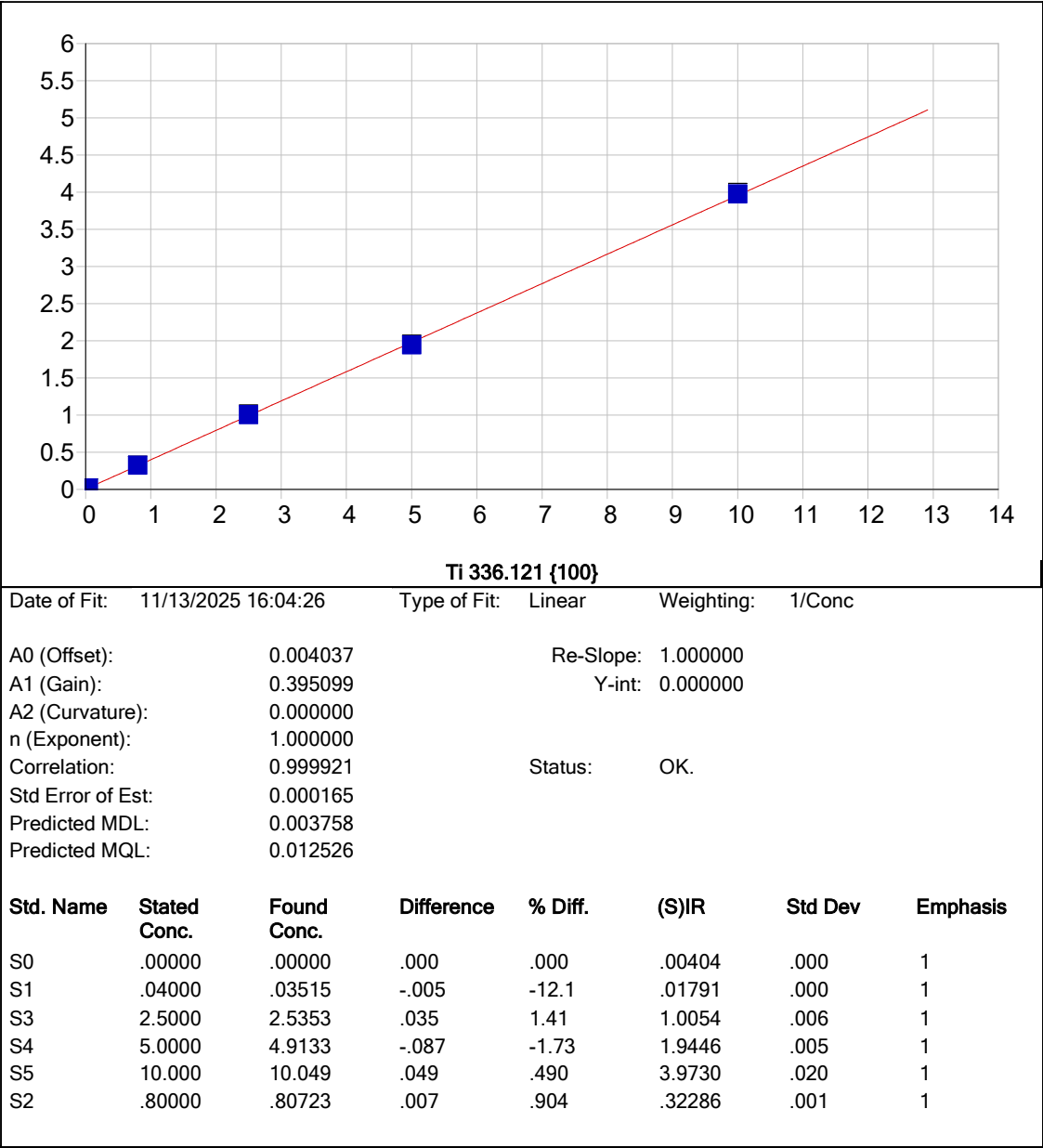


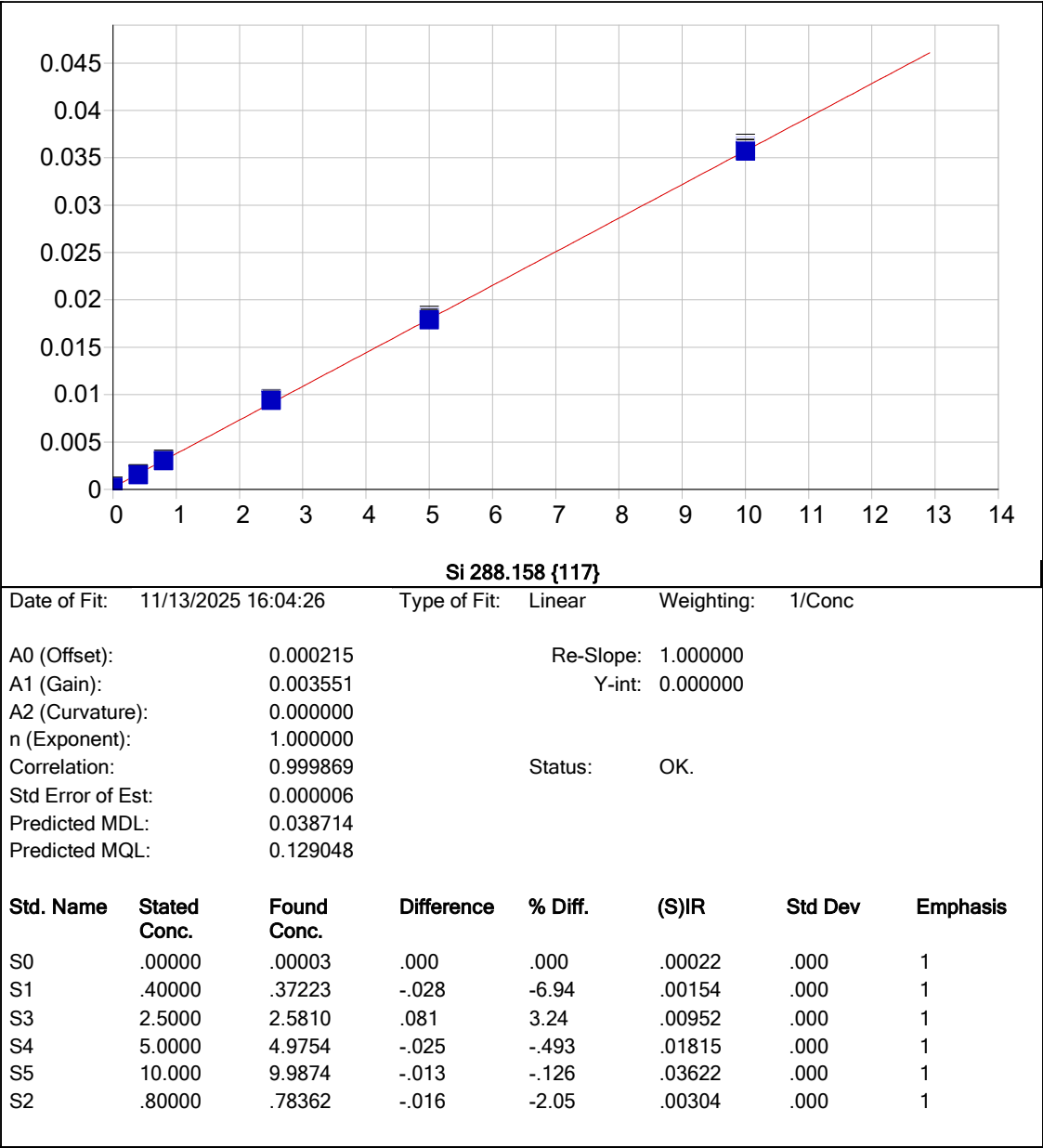
Sn 189.989 {478}

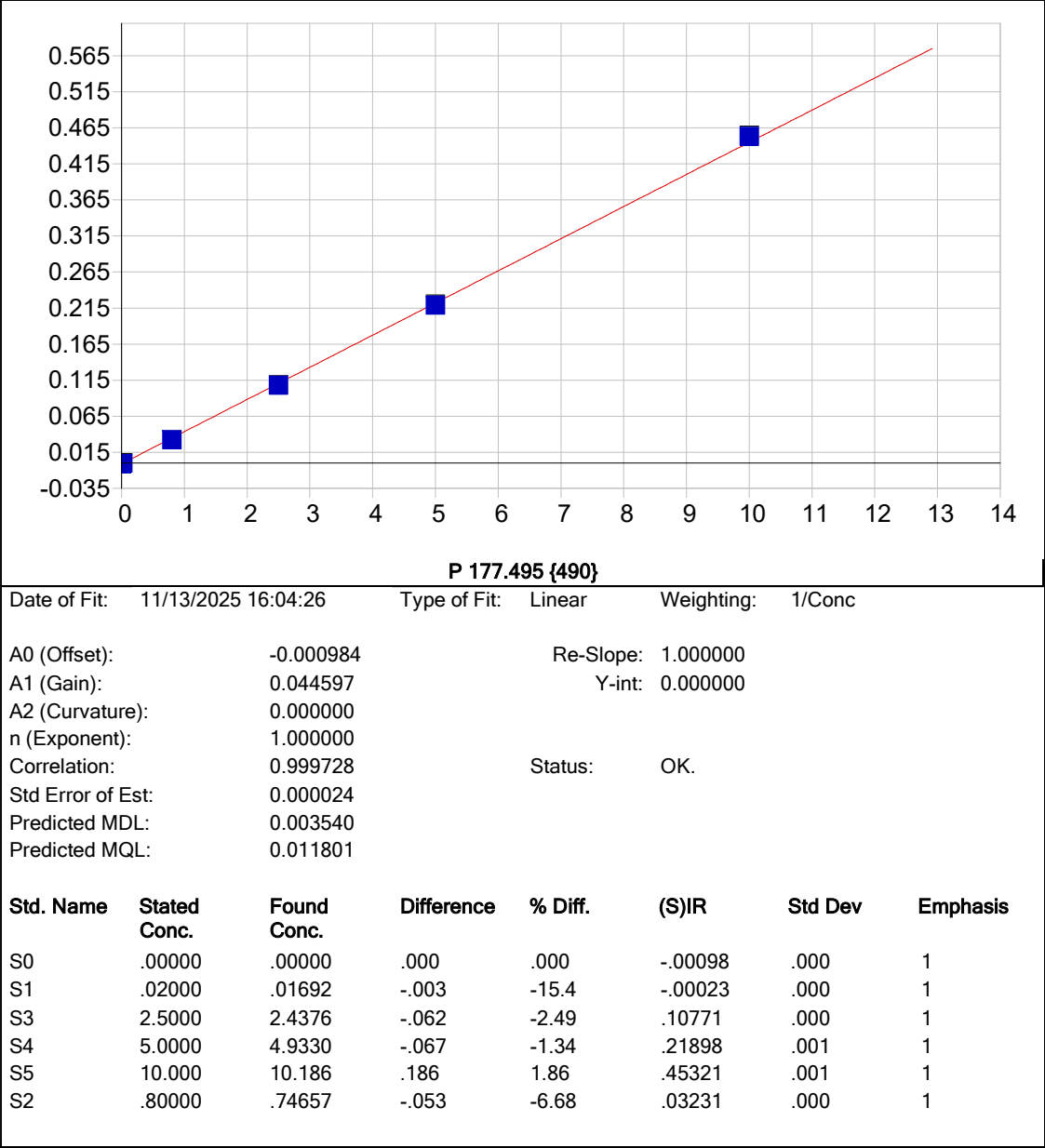
Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

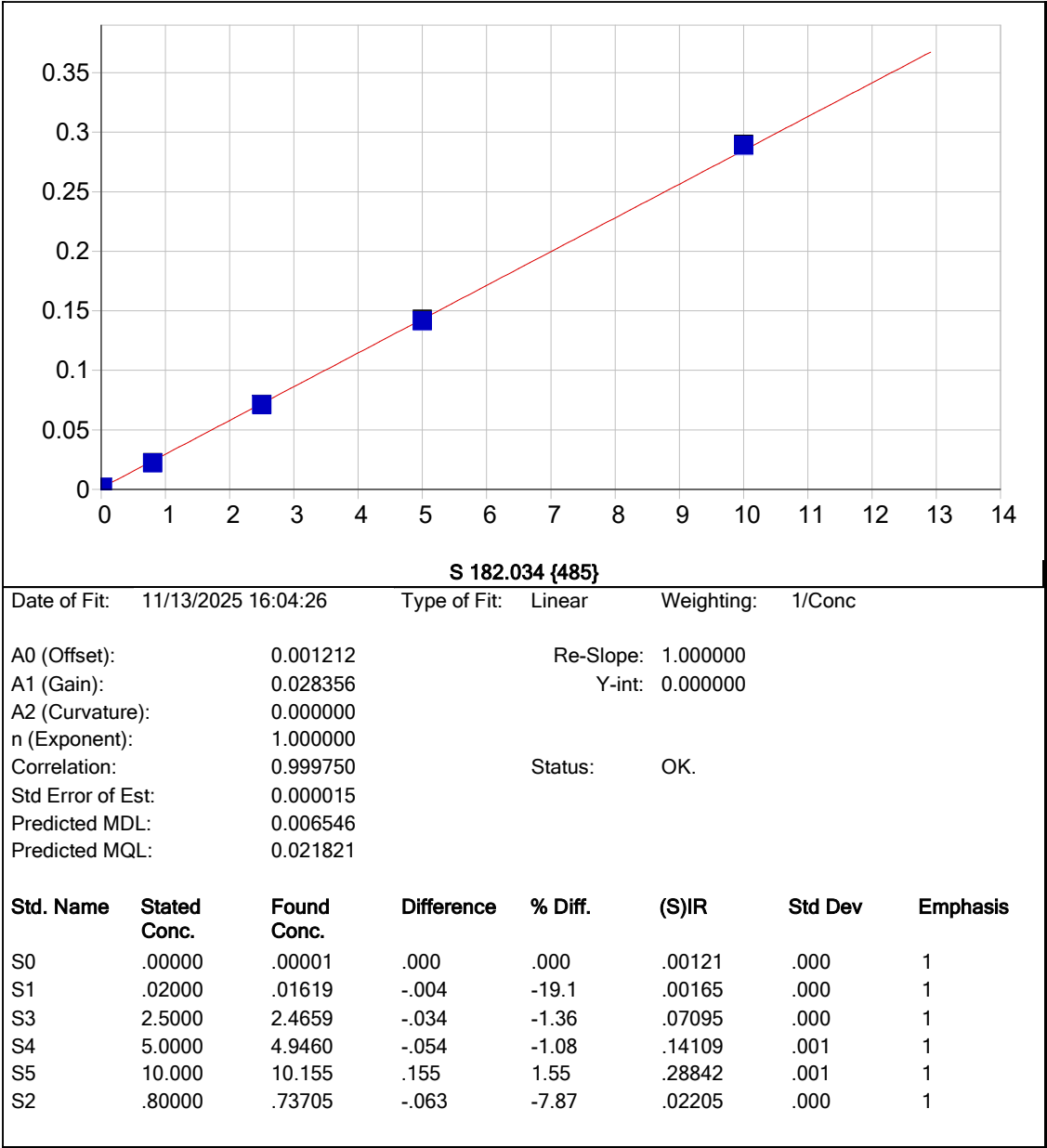
A0 (Offset): 0.000919 Re-Slope: 1.000000
A1 (Gain): 0.132335 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999960 Status: OK.
Std Error of Est: 0.000039
Predicted MDL: 0.001497
Predicted MQL: 0.004991

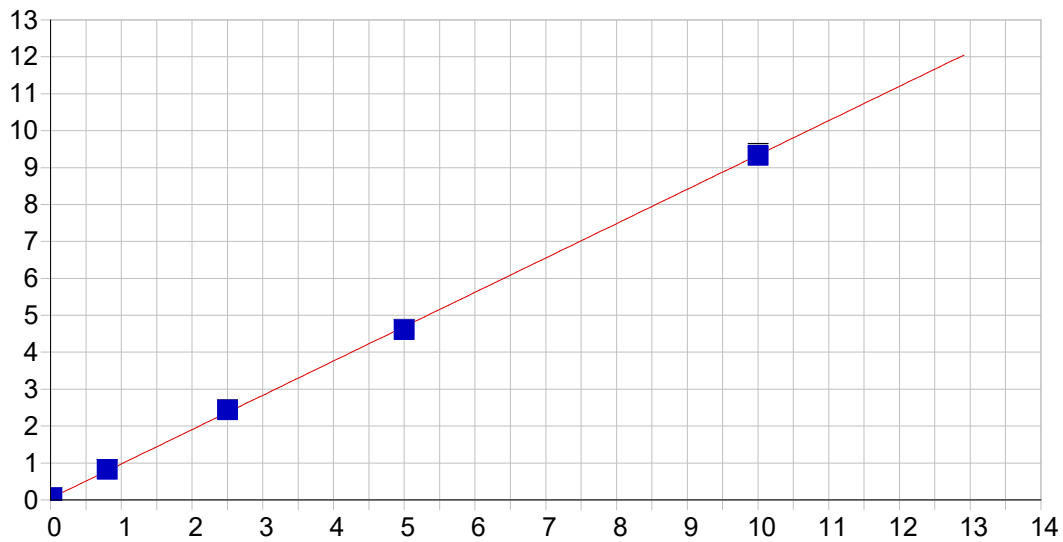
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00092	.000	1
S1	.04000	.03791	-.002	-5.22	.00593	.000	1
S3	2.5000	2.5045	.004	.178	.33201	.001	1
S4	5.0000	4.9724	-.028	-.552	.65826	.003	1
S5	10.000	10.052	.052	.525	1.3299	.002	1
S2	.80000	.77280	-.027	-3.40	.10308	.000	1









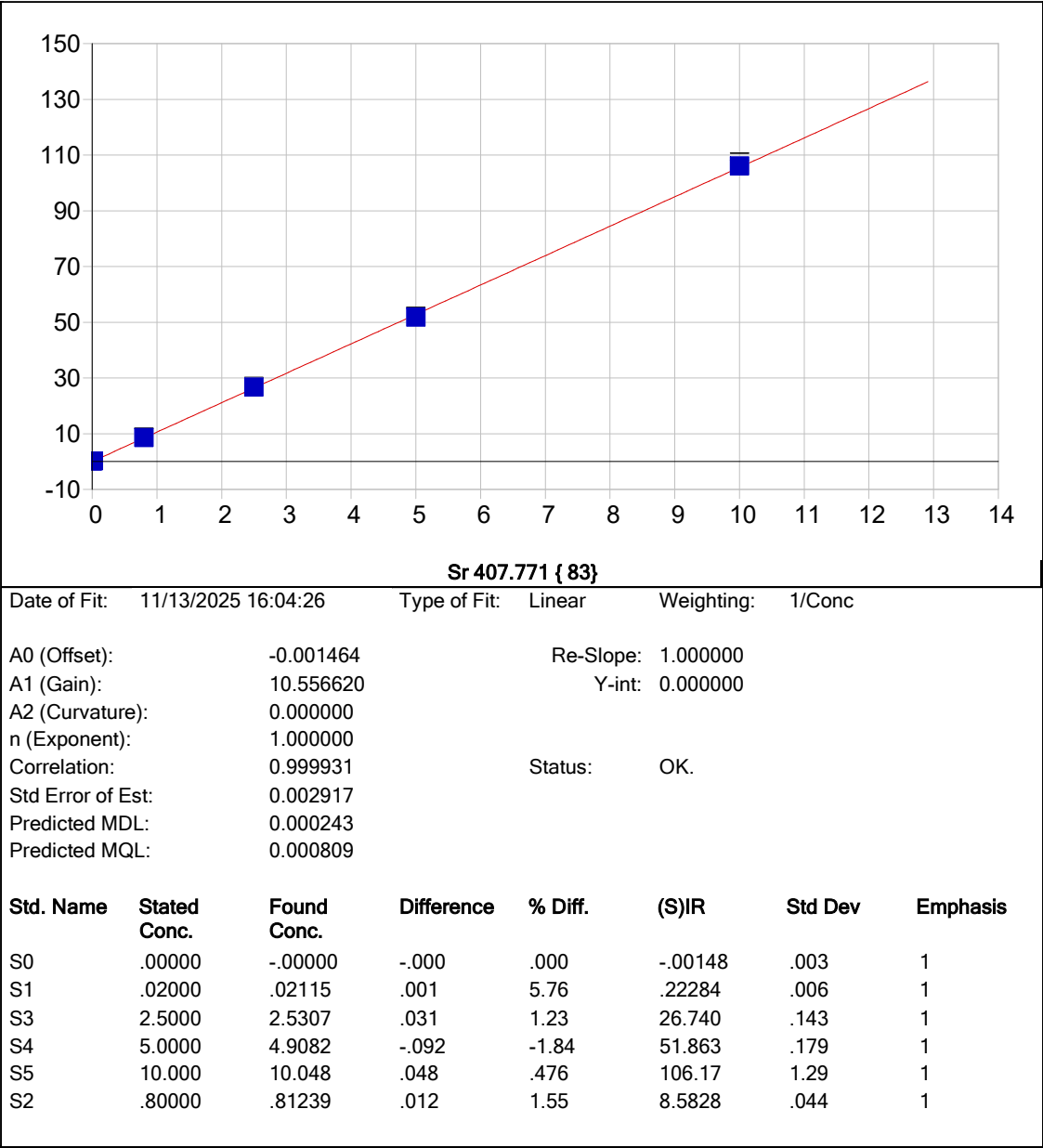


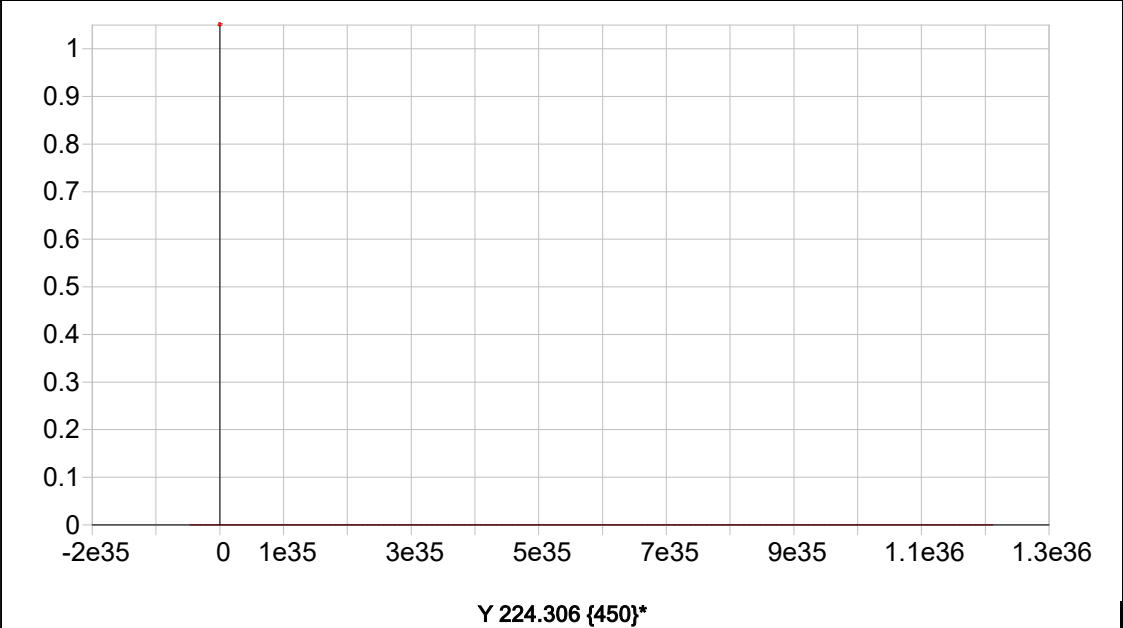
Li 670.784 { 50}

Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.044034	Re-Slope:	1.000000
A1 (Gain):	0.929748	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999859	Status:	OK.
Std Error of Est:	0.000366		
Predicted MDL:	0.004864		
Predicted MQL:	0.016212		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.04403	.003	1
S5	10.000	9.9872	-.013	-.128	9.3371	.049	1
S4	5.0000	4.9085	-.091	-1.83	4.6114	.012	1
S3	2.5000	2.5675	.067	2.70	2.4330	.013	1
S1	.02000	.02136	.001	6.79	.06422	.003	1
S2	.80000	.83540	.035	4.42	.82134	.003	1

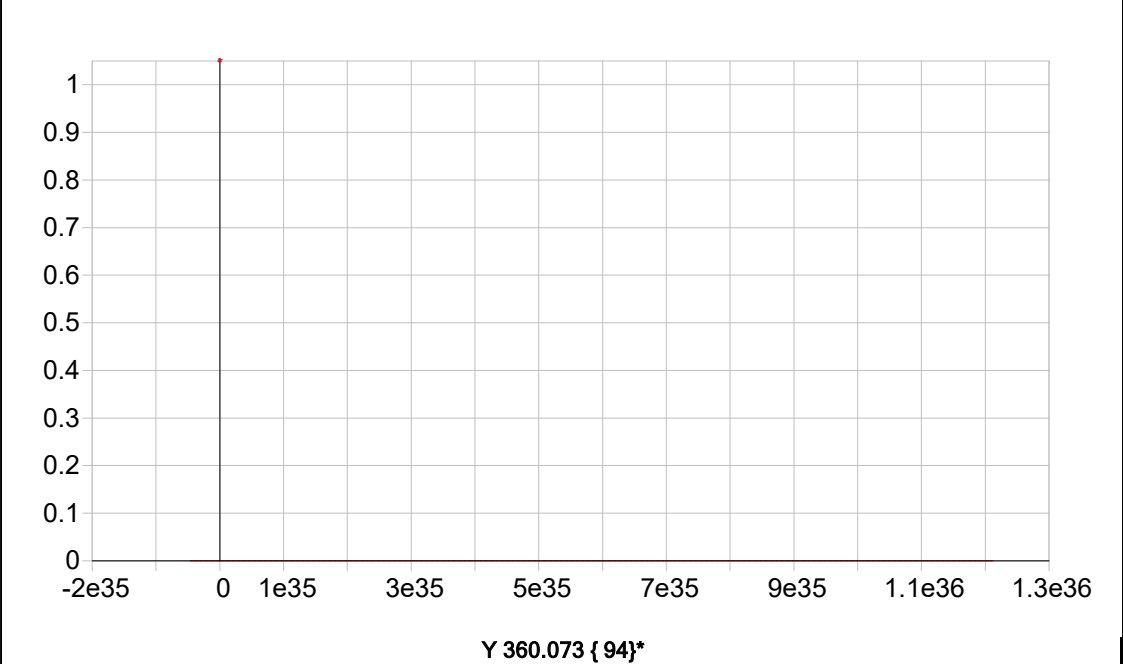




Date of Fit: 11/13/2025 16:04:26 Type of Fit: Linear Weighting: 1/Conc

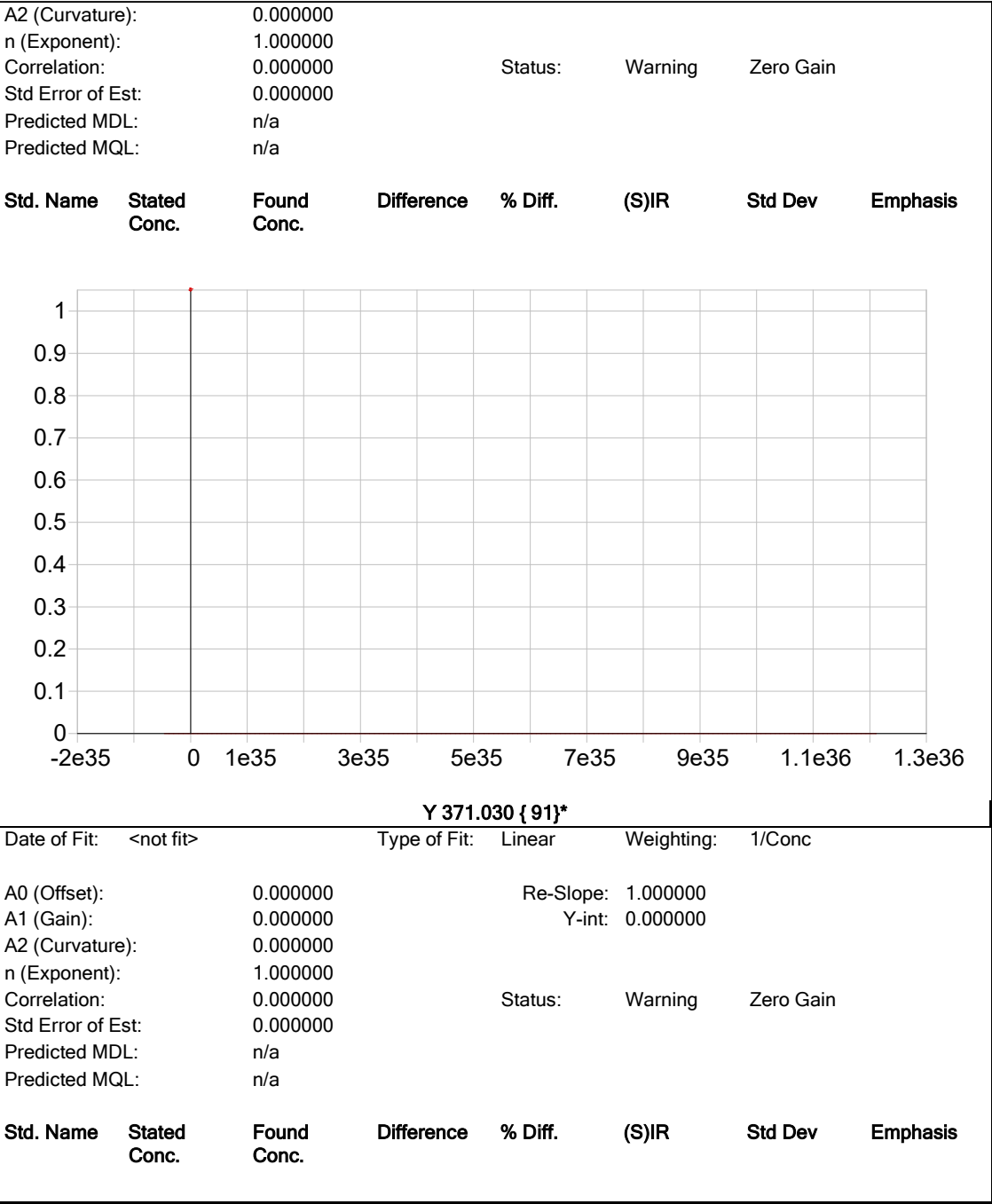
A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

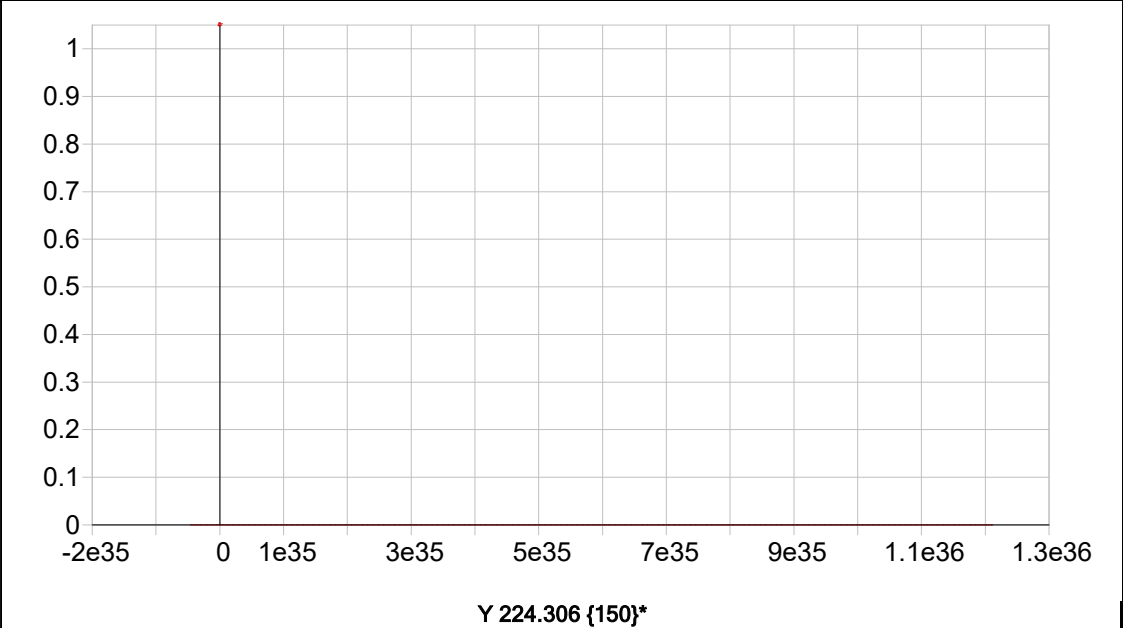
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
-----------	--------------	-------------	------------	---------	-------	---------	----------



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

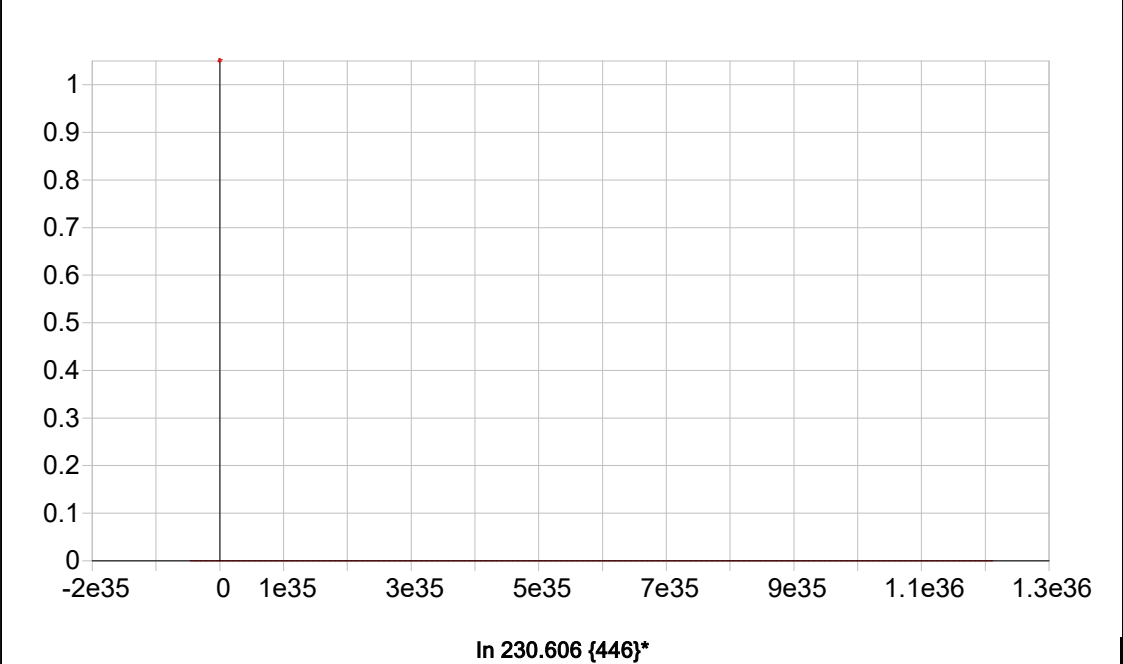
A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000





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

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



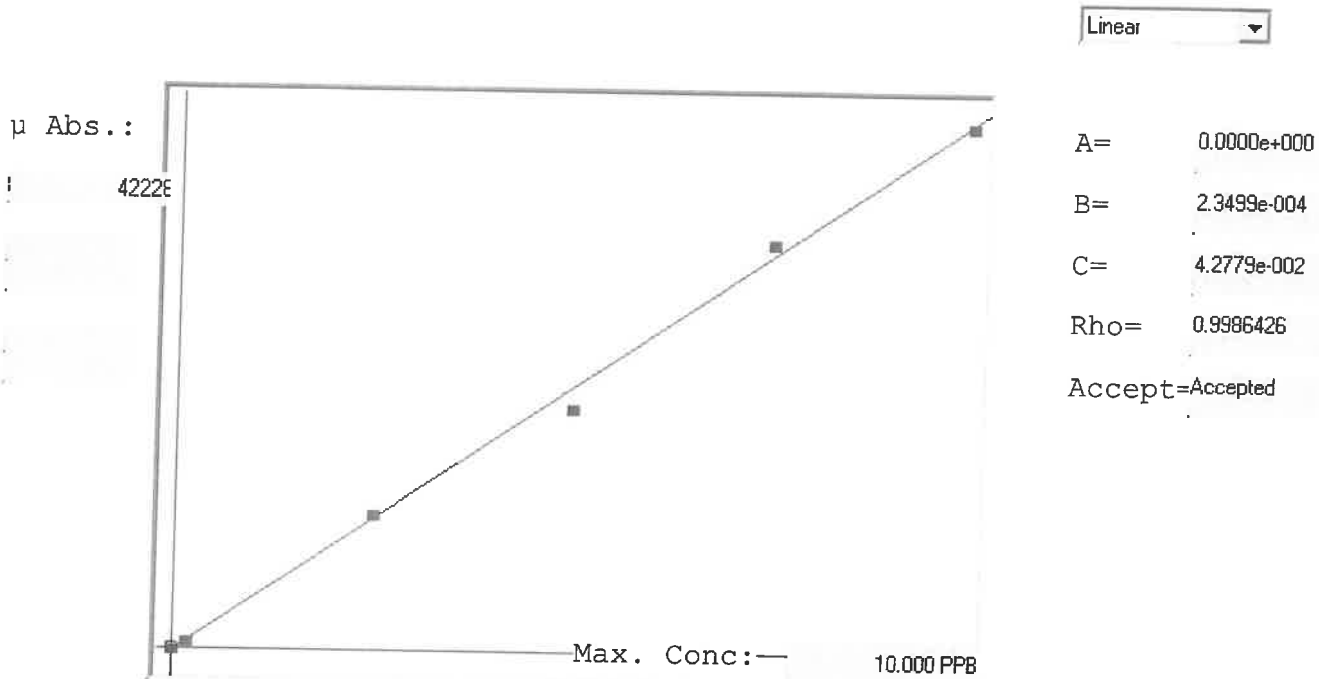
Date of Fit:	<not fit>		Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000		
A1 (Gain):	0.000000		Y-int:	0.000000		

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

~~LB137914~~ LB137914
INSTRUMENT ID: CV1

Reviewed By: jaswal
On: 11/17/2025 5:31:02 PM
Inst Id: CV1
LB: LB137914

7470A



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0.0	0.000	0.068	0.068	108	0.000	108	0			
0.2	0.200	0.211	0.011	716	0.0 %	716	0			
2.5	2.500	2.602	0.102	10889	0.0 %	10889	0			
5.0	5.000	4.615	-0.385	19456	0.0 %	19456				
7.5	7.500	7.739	0.239	32750	0.0 %	32750				
10.0	10.000	9.966	-0.034	42228	0.0 %	42228				

LB137914 INSTRUMENT ID: CV1

Method: 7470A

Operator: Admin

Date of Analysis: 17 Nov 2025 12:21:30

Type	Sample ID	Extended ID	Conc.	μ Abs.	Units	Type	Std Conc	Method	Date
S	0.0 - 1	5.0	-	108	PPB	Std	0.0000	7470A	17 Nov 2025 12:36:53
S	0.2 - 1	5.02	-	716	PPB	Std	0.2000	7470A	17 Nov 2025 12:39:10
S	2.5 - 1	52.5	-	10889	PPB	Std	2.5000	7470A	17 Nov 2025 12:41:27
S	5.0 - 1	5.50	-	19456	PPB	Std	5.0000	7470A	17 Nov 2025 12:43:44
S	7.5 - 1	57.5	-	32750	PPB	Std	7.5000	7470A	17 Nov 2025 12:48:51
S	10.0 - 1	510.0	-	42228	PPB	Std	10.0000	7470A	17 Nov 2025 12:51:06
U	ICV117 - 1	ICV117	4.1943	17667	PPB	SMPL	-7470A		17 Nov 2025 12:54:26
U	ICB117 - 1	ICB117	-0.0037	-198	PPB	SMPL	-7470A		17 Nov 2025 12:56:41
U	CCV01 - 1	CCV01	5.0349	21244	PPB	SMPL	-7470A		17 Nov 2025 13:06:44
U	CCB01 - 1	CCB01	0.0665	101	PPB	SMPL	-7470A		17 Nov 2025 13:08:59
U	CRA - 1	CRA	0.2155	735	PPB	SMPL	-7470A		17 Nov 2025 13:11:15
U	HighStd - 1	HighStd	9.9302	42076	PPB	SMPL	-7470A		17 Nov 2025 13:13:30
U	ChkStd - 1	ChkStd	6.8198	28840	PPB	SMPL	-7470A		17 Nov 2025 13:15:46
U	PB170561BL - 1	PBW	0.0249	-76	PPB	SMPL	-7470A		17 Nov 2025 13:20:42
U	PB170561BS - 1	LCSW	3.8672	16275	PPB	SMPL	-7470A		17 Nov 2025 13:22:58
U	Q3616-05 - 1	Composite	4.2620	17955	PPB	SMPL	-7470A		17 Nov 2025 13:25:14
U	Q3620-01 - 1	1010-A	0.1708	545	PPB	SMPL	-7470A		17 Nov 2025 13:27:30
U	Q3620-02 - 1	1010-B	0.0978	234	PPB	SMPL	-7470A		17 Nov 2025 13:29:49
U	Q3620-02DUP - 1	1010-BDUP	0.0773	147	PPB	SMPL	-7470A		17 Nov 2025 13:32:06
U	Q3620-02MS - 1	1010-BMS	2.8796	12072	PPB	SMPL	-7470A		17 Nov 2025 13:34:21
U	CCV02 - 1	CCV02	5.0201	21181	PPB	SMPL	-7470A		17 Nov 2025 13:39:18
U	CCB02 - 1	CCB02	0.0595	71	PPB	SMPL	-7470A		17 Nov 2025 13:41:33
U	Q3620-02MSD - 1	1010-BMSD	3.0817	12932	PPB	SMPL	-7470A		17 Nov 2025 13:43:48
U	Q3640-04 - 1	LAW-25-0183	0.1631	512	PPB	SMPL	-7470A		17 Nov 2025 13:46:04
U	Q3620-02LX5 - 1		0.0440	5	PPB	SMPL	-7470A		17 Nov 2025 13:48:20
U	Q3620-02A - 1		4.1003	17267	PPB	SMPL	-7470A		17 Nov 2025 13:50:36
U	CCV03 - 1	CCV03	5.1068	21550	PPB	SMPL	-7470A		17 Nov 2025 13:52:51
U	CCB03 - 1	CCB03	0.0555	54	PPB	SMPL	-7470A		17 Nov 2025 13:55:07

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 #1 2. N/A

Start Digest Date: 11/13/2025 Time : 10:50 Temp : 96 °C

End Digest Date: 11/13/2025 Time : 13:50 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKG

Supervisor Signature: [Signature]

Temp : 1. 96°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6209
LFS-2	0.25	M6201
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
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
11/13/25 14:50	SKG met dig	[Signature] (Metcals 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
PB170531BL	PBW531	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9
PB170531BS	LCS531	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	10
Q3616-05MS	COMPOSITE MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	13
Q3616-05MSD	COMPOSITE MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	14
Q3616-05DUP	COMPOSITE DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	12
Q3616-05	COMPOSITE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	11

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB170531

Worklist ID : 193100

Department : Digestion

Date : 11-13-2025 10:17:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3616-05	Composite	Water	Metals ICP-Group1	1:1 HNO3 to pH < 2	DALT01	D31	11/11/2025	6010D

Date/Time 11/13/25 10:35

Raw Sample Received by: Sammy

Raw Sample Relinquished by: Cosm

Date/Time 11/13/25 11:35

Raw Sample Received by: Cosm

Raw Sample Relinquished by: Spagmet

SOP ID : M7470A-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: 11/14/2025 Time : 12:40 Temp : 94 °C

End Digest Date: 11/14/2025 Time : 14:40 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *m d*

Supervisor Signature: *m d*

Temp : 1. 94°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP87972
CCV	30mL	MP87974
CRA	30mL	MP87976
Blank Spike	0.48mL	MP87965
Matrix Spike	0.48mL	MP87965

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
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP87966
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP87967
2.5 ppb	S2.5	30mL	MP87968
5.0 ppb	S5.0	30mL	MP87969
7.5 ppb	S7.5	30mL	MP87970
10.0 ppb	S10.0	30mL	MP87971
ICV	ICV	30mL	MP87972
ICB	ICB	30mL	MP87973
CCV	CCV	30mL	MP87974
CCB	CCB	30mL	MP87975
CRI	CRI	30mL	MP87976
CHK STD	CHK STD	30mL	MP87977

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/14/25 15:40	<i>m m met lab</i>	<i>m m met lab</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB170561BL	PBW561	30	30	<2	N/A	1
PB170561BS	LCS561	30	30	<2	MP87965	2
Q3616-05	COMPOSITE	30	30	<2	N/A	3
Q3620-01	1010-A	30	30	<2	N/A	4
Q3620-02	1010-B	30	30	<2	N/A	5
Q3620-02MS	1010-BMS	30	30	<2	MP87965	7
Q3620-02MSD	1010-BMSD	30	30	<2	MP87965	8
Q3620-02DUP	1010-BDUP	30	30	<2	N/A	6
Q3640-04	LAW-25-0183	30	30	<2	N/A	9

WORKLIST(Hardcopy Internal Chain)

Worklist Name : 11142025_7470

Worklist ID : 193125

Department : Digestion

Date : 11-14-2025 11:51:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3616-05	Composite	Water	Mercury	1:1 HNO3 to pH < 2	DALT01	D31	11/11/2025	7470A
Q3620-01	1010-A	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	D31	11/12/2025	7470A
Q3620-02	1010-B	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	D31	11/12/2025	7470A
Q3640-04	LAW-25-0183	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	D41	11/13/2025	7470A

Date/Time 11/14/25 12:46

Raw Sample Received by: CLM et al

Raw Sample Relinquished by: CLM

Date/Time 11/14/25 13:40

Raw Sample Received by: CLM

Raw Sample Relinquished by: CLM et al

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137889

Review By	jaswal	Review On	11/14/2025 1:56:13 PM
Supervise By	mohan	Supervise On	11/14/2025 4:13:03 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	11/13/25 12:46		Jaswal	OK
2	S1	S1	CAL2	11/13/25 12:51		Jaswal	OK
3	S2	S2	CAL3	11/13/25 12:55		Jaswal	OK
4	S3	S3	CAL4	11/13/25 12:59		Jaswal	OK
5	S4	S4	CAL5	11/13/25 13:03		Jaswal	OK
6	S5	S5	CAL6	11/13/25 13:07		Jaswal	OK
7	ICV01	ICV01	ICV	11/13/25 13:12		Jaswal	OK
8	LLICV01	LLICV01	LLICV	11/13/25 13:16		Jaswal	OK
9	ICB01	ICB01	ICB	11/13/25 13:21		Jaswal	OK
10	CRI01	CRI01	CRDL	11/13/25 13:25		Jaswal	OK
11	ICSA01	ICSA01	ICSA	11/13/25 13:29		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	11/13/25 13:33		Jaswal	OK
13	ICSADL	ICSADL	ICSA	11/13/25 13:37		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	11/13/25 13:42		Jaswal	OK
15	CCV01	CCV01	CCV	11/13/25 13:46		Jaswal	OK
16	CCB01	CCB01	CCB	11/13/25 13:50		Jaswal	OK
17	PB170522BL	PB170522BL	MB	11/13/25 13:54		Jaswal	OK
18	PB170522BS	PB170522BS	LCS	11/13/25 13:58		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137889

Review By	jaswal	Review On	11/14/2025 1:56:13 PM
Supervise By	mohan	Supervise On	11/14/2025 4:13:03 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	Q3615-01	East Bathhouse- Conc	SAM	11/13/25 14:03		Jaswal	OK
20	Q3609-01	AU-713-COMP-01	SAM	11/13/25 14:07		Jaswal	OK
21	Q3609-01DUP	AU-713-COMP-01DUP	DUP	11/13/25 14:11		Jaswal	OK
22	Q3609-01L	AU-713-COMP-01L	SD	11/13/25 14:15		Jaswal	OK
23	Q3609-01MS	AU-713-COMP-01MS	MS	11/13/25 14:19		Jaswal	OK
24	Q3609-01MSD	AU-713-COMP-01MSD	MSD	11/13/25 14:23		Jaswal	OK
25	Q3609-01A	AU-713-COMP-01A	PS	11/13/25 14:27	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
26	Q3609-04	AU-713-COMP-02	SAM	11/13/25 14:31		Jaswal	OK
27	CCV02	CCV02	CCV	11/13/25 14:35		Jaswal	OK
28	CCB02	CCB02	CCB	11/13/25 14:39		Jaswal	OK
29	LR-1	LR-1	HIGH STD	11/13/25 14:44		Jaswal	OK
30	LR-2	LR-2	HIGH STD	11/13/25 15:08		Jaswal	OK
31	LR-3	LR-3	HIGH STD	11/13/25 15:15		Jaswal	OK
32	Q3609-07	AU-713-COMP-03	SAM	11/13/25 15:19		Jaswal	OK
33	Q3609-10	AU-713-COMP-04	SAM	11/13/25 15:23		Jaswal	OK
34	Q3609-13	AU-713-COMP-05	SAM	11/13/25 15:27		Jaswal	OK
35	Q3614-01	COMP-1	SAM	11/13/25 15:31		Jaswal	OK
36	Q3614-02	COMP-2	SAM	11/13/25 15:35		Jaswal	OK
37	Q3614-03	COMP-3	SAM	11/13/25 15:39		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137889

Review By	jaswal	Review On	11/14/2025 1:56:13 PM
Supervise By	mohan	Supervise On	11/14/2025 4:13:03 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		

38	Q3618-01	EME-TOP-SOIL	SAM	11/13/25 15:43		Jaswal	OK
39	CCV03	CCV03	CCV	11/13/25 15:48		Jaswal	OK
40	CCB03	CCB03	CCB	11/13/25 15:51		Jaswal	OK
41	Q3618-02	EME-GENERAL-FILL	SAM	11/13/25 15:56		Jaswal	OK
42	Q3619-03	GP-B1(8-12)	SAM	11/13/25 16:00		Jaswal	OK
43	Q3619-04	GP-B1(12-16)	SAM	11/13/25 16:04		Jaswal	OK
44	Q3619-09	GP-B2(12-16)	SAM	11/13/25 16:08		Jaswal	OK
45	Q3619-14	GP-B3(13.2)	SAM	11/13/25 16:12		Jaswal	OK
46	Q3619-17	GP-B4(8-12)	SAM	11/13/25 16:16		Jaswal	OK
47	Q3619-18	GP-B4(13.2)	SAM	11/13/25 16:20		Jaswal	OK
48	Q3621-02	VNJ-231	SAM	11/13/25 16:24		Jaswal	OK
49	Q3624-01	OK-02-11122025	SAM	11/13/25 16:28		Jaswal	OK
50	PB170535BL	PB170535BL	MB	11/13/25 16:32		Jaswal	OK
51	CCV04	CCV04	CCV	11/13/25 16:36		Jaswal	OK
52	CCB04	CCB04	CCB	11/13/25 16:40		Jaswal	OK
53	PB170535BS	PB170535BS	LCS	11/13/25 16:45		Jaswal	OK
54	PB170517TB	PB170517TB	MB	11/13/25 16:49		Jaswal	OK
55	Q3609-03	AU-713-COMP-01	SAM	11/13/25 16:53		Jaswal	OK
56	Q3609-06	AU-713-COMP-02	SAM	11/13/25 16:57		Jaswal	OK
57	Q3609-09	AU-713-COMP-03	SAM	11/13/25 17:02		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137889

Review By	jaswal	Review On	11/14/2025 1:56:13 PM
Supervise By	mohan	Supervise On	11/14/2025 4:13:03 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		

58	Q3609-12	AU-713-COMP-04	SAM	11/13/25 17:06		Jaswal	OK
59	Q3609-15	AU-713-COMP-05	SAM	11/13/25 17:10		Jaswal	OK
60	Q3622-01	RT3071-SOLID	SAM	11/13/25 17:14		Jaswal	OK
61	Q3623-01	RBR200007-SOIL	SAM	11/13/25 17:18		Jaswal	OK
62	Q3623-01DUP	RBR200007-SOILDUP	DUP	11/13/25 17:23		Jaswal	OK
63	CCV05	CCV05	CCV	11/13/25 17:27		Jaswal	OK
64	CCB05	CCB05	CCB	11/13/25 17:31		Jaswal	OK
65	Q3623-01L	RBR200007-SOILL	SD	11/13/25 17:35		Jaswal	OK
66	Q3623-01MS	RBR200007-SOILMS	MS	11/13/25 17:39		Jaswal	OK
67	Q3623-01MSD	RBR200007-SOILMSI	MSD	11/13/25 17:43		Jaswal	OK
68	Q3623-01A	RBR200007-SOILA	PS	11/13/25 17:47	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
69	PB170531BL	PB170531BL	MB	11/13/25 17:51		Jaswal	OK
70	PB170531BS	PB170531BS	LCS	11/13/25 17:56		Jaswal	OK
71	Q3616-05	Composite	SAM	11/13/25 18:00		Jaswal	OK
72	Q3616-05DUP	Composite DUP	DUP	11/13/25 18:04		Jaswal	OK
73	Q3616-05L	Composite L	SD	11/13/25 18:08		Jaswal	OK
74	Q3616-05MS	Composite MS	MS	11/13/25 18:13		Jaswal	OK
75	CCV06	CCV06	CCV	11/13/25 18:17	CCV fail for K,Na	Jaswal	OK
76	CCB06	CCB06	CCB	11/13/25 18:25	CCV fail for K,Na	Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137889

Review By	jaswal	Review On	11/14/2025 1:56:13 PM
Supervise By	mohan	Supervise On	11/14/2025 4:13:03 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

77	Q3616-05A	Composite A	PS	11/13/25 18:29	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
78	Q3616-05MSD	Composite MSD	MSD	11/13/25 18:33		Jaswal	OK
79	CCV07	CCV07	CCV	11/13/25 18:38	CCV fail for K,Na	Jaswal	OK
80	CCB07	CCB07	CCB	11/13/25 18:42	CCV fail for K,Na	Jaswal	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137914

Review By	mohan	Review On	11/17/2025 5:28:34 PM
Supervise By	jaswal	Supervise On	11/17/2025 5:31:02 PM

STD. NAME	STD REF.#
ICAL Standard	MP87966,MP87967,MP87968,MP87969,MP87970,MP87971
ICV Standard	MP87972
CCV Standard	MP87974
ICSA Standard	
CRI Standard	MP87976
LCS Standard	
Chk Standard	MP87973,MP87975,MP87977,MP87979

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/17/25 12:36		mohan	OK
2	S0.2	S0.2	CAL2	11/17/25 12:39		mohan	OK
3	S2.5	S2.5	CAL3	11/17/25 12:41		mohan	OK
4	S5	S5	CAL4	11/17/25 12:43		mohan	OK
5	S7.5	S7.5	CAL5	11/17/25 12:48		mohan	OK
6	S10	S10	CAL6	11/17/25 12:51		mohan	OK
7	ICV117	ICV117	ICV	11/17/25 12:54		mohan	OK
8	ICB117	ICB117	ICB	11/17/25 12:56		mohan	OK
9	CCV01	CCV01	CCV	11/17/25 13:06		mohan	OK
10	CCB01	CCB01	CCB	11/17/25 13:08		mohan	OK
11	CRA	CRA	CRDL	11/17/25 13:11		mohan	OK
12	HighStd	HighStd	HIGH STD	11/17/25 13:13		mohan	OK
13	ChkStd	ChkStd	SAM	11/17/25 13:15		mohan	OK
14	PB170561BL	PB170561BL	MB	11/17/25 13:20		mohan	OK
15	PB170561BS	PB170561BS	LCS	11/17/25 13:22		mohan	OK
16	Q3616-05	Composite	SAM	11/17/25 13:25		mohan	OK
17	Q3620-01	1010-A	SAM	11/17/25 13:27		mohan	OK
18	Q3620-02	1010-B	SAM	11/17/25 13:29		mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137914

Review By	mohan	Review On	11/17/2025 5:28:34 PM
Supervise By	jaswal	Supervise On	11/17/2025 5:31:02 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87966,MP87967,MP87968,MP87969,MP87970,MP87971		
ICV Standard	MP87972		
CCV Standard	MP87974		
ICSA Standard			
CRI Standard	MP87976		
LCS Standard			
Chk Standard	MP87973,MP87975,MP87977,MP87979		

19	Q3620-02DUP	1010-BDUP	DUP	11/17/25 13:32		mohan	OK
20	Q3620-02MS	1010-BMS	MS	11/17/25 13:34		mohan	OK
21	CCV02	CCV02	CCV	11/17/25 13:39		mohan	OK
22	CCB02	CCB02	CCB	11/17/25 13:41		mohan	OK
23	Q3620-02MSD	1010-BMSD	MSD	11/17/25 13:43		mohan	OK
24	Q3640-04	LAW-25-0183	SAM	11/17/25 13:46		mohan	OK
25	Q3620-02L	1010-BL	SD	11/17/25 13:48		mohan	OK
26	Q3620-02A	1010-BA	PS	11/17/25 13:50		mohan	OK
27	CCV03	CCV03	CCV	11/17/25 13:52		mohan	OK
28	CCB03	CCB03	CCB	11/17/25 13:55		mohan	OK



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Dal-Tile LLC-Dickson Plant
ADDRESS: 187 Warren G. Medley Drive
CITY: Dickson STATE: TN ZIP: 37055
ATTENTION: Michel Gil
PHONE: 214-309-4003 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Wastewater Sampling
PROJECT NO.: EHS-2025-1026 LOCATION: Dickson, TN
PROJECT MANAGER: James Eagles
e-mail: james.eagles@allianceetg.com
PHONE: 601-415-6913 FAX:

CLIENT BILLING INFORMATION

BILL TO: ATG-Baytown AEM PO#:
ADDRESS: 400 Texas 146
CITY: Baytown STATE: TX ZIP: 77520
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	2	3	4	5	6	7	8	9
1664A	1664A	1664A	1664A	1664A	1664A	1664A	1664A	1664A

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		C	E	E							
1.	Oil & Grease #1	WW		Y	11/11/25	1:24PM	1	X									pH: 6.84
2.	Oil & Grease #2	WW		Y	11/11/25	1:59PM	1	X									pH: 6.89
3.	Oil & Grease #3	WW		Y	11/11/25	2:01PM	1	X									pH: 6.95
4.	Monthly Cyanide	WW		X	11/11/25	1:20PM	1		X								pH: 8.86
5.	Composite #1	WW	X		11/11/25	1:36PM	1			X							pH: 8.81
6.	10 Trip Blank Composite #2	WW	Y		11/11/25	1:41PM	1			X							↓
7.	Trip Blank						1			Y							
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. James Eagles	DATE/TIME: 11/11/25	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP	2.1 + 0.2 = 2.1
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME: 11/12/25	RECEIVED BY: 2. [Signature]	Comments:	IF Com #1
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME:	RECEIVED BY: 3. [Signature]	Page ____ of ____	CLIENT: ☐ Hand Delivered ☐ Other
			Shipment Complete ☐ YES ☐ NO	

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