Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

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

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

LAB CHRONICLE

OrderID:	Q3718	**OrderDate:**	11/25/2025 8:59:00 AM
Client:	Total Quality Environmental Inc.	**Project:**	Total Quality Environmental Inc
Contact:	Alex Rukasov	**Location:**	E61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3718-01	**Basement Kitchen (1st draw)**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-02	**2nd draw**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-03	**Adult Bathroom (1st draw)**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-04	**2nd draw**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-05	**Drinking Fountain (1st draw)**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-06	**2nd draw**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-07	**Kids Bathroom L (1st draw)**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-08	**L 2nd draw**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-09	**R (1st draw)**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-10	**R (2nd draw)**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	

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

LAB CHRONICLE

Q3718-11	**Main Hall L (1st draw)**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-12	**L (2nd draw)**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-13	**R (1st draw)**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	
Q3718-14	**R (2nd draw)**	**Water**			**11/24/25**			**11/25/25**
			Metals Group3	6010D		11/25/25	11/26/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3718 **Order ID:** Q3718

Client: Total Quality Environmental Inc. **Project ID:** Total Quality Environmental Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**Basement Kitchen (1st draw)**							
Q3718-01	Basement Kitchen (1st draw)	Water	Lead	43.3		1.15	6.00	ug/L
Client ID :	**2nd draw**							
Q3718-02	2nd draw	Water	Lead	70.0		1.15	6.00	ug/L
Client ID :	**Adult Bathroom (1st draw)**							
Q3718-03	Adult Bathroom (1st draw)	Water	Lead	39.7		1.15	6.00	ug/L
Client ID :	**2nd draw**							
Q3718-04	2nd draw	Water	Lead	65.1		1.15	6.00	ug/L
Client ID :	**Drinking Fountain (1st draw)**							
Q3718-05	Drinking Fountain (1st draw)	Water	Lead	4.85	J	1.15	6.00	ug/L
Client ID :	**2nd draw**							
Q3718-06	2nd draw	Water	Lead	9.63		1.15	6.00	ug/L
Client ID :	**Kids Bathroom L (1st draw)**							
Q3718-07	Kids Bathroom L (1st draw)	Water	Lead	157		1.15	6.00	ug/L
Client ID :	**L 2nd draw**							
Q3718-08	L 2nd draw	Water	Lead	35.8		1.15	6.00	ug/L
Client ID :	**R (1st draw)**							
Q3718-09	R (1st draw)	Water	Lead	117		1.15	6.00	ug/L
Client ID :	**R (2nd draw)**							
Q3718-10	R (2nd draw)	Water	Lead	2.99	J	1.15	6.00	ug/L
Client ID :	**Main Hall L (1st draw)**							
Q3718-11	Main Hall L (1st draw)	Water	Lead	18.9		1.15	6.00	ug/L
Client ID :	**L (2nd draw)**							
Q3718-12	L (2nd draw)	Water	Lead	131		1.15	6.00	ug/L
Client ID :	**R (1st draw)**							
Q3718-13	R (1st draw)	Water	Lead	110		1.15	6.00	ug/L
Client ID :	**R (2nd draw)**							
Q3718-14	R (2nd draw)	Water	Lead	10.2		1.15	6.00	ug/L

SAMPLE DATA

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	Basement Kitchen (1st draw)	SDG No.:	Q3718
Lab Sample ID:	Q3718-01	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.
7439-92-1	Lead	43.3		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 17:12	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	2nd draw	SDG No.:	Q3718
Lab Sample ID:	Q3718-02	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.
7439-92-1	Lead	70.0		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 17:16	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	Adult Bathroom (1st draw)	SDG No.:	Q3718
Lab Sample ID:	Q3718-03	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.
7439-92-1	Lead	39.7		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 17:20	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	2nd draw	SDG No.:	Q3718
Lab Sample ID:	Q3718-04	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.
7439-92-1	Lead	65.1		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 17:33	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	Drinking Fountain (1st draw)	SDG No.:	Q3718
Lab Sample ID:	Q3718-05	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.
7439-92-1	Lead	4.85	J	1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 17:37	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	2nd draw	SDG No.:	Q3718
Lab Sample ID:	Q3718-06	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.
7439-92-1	Lead	9.63		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 17:42	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	Kids Bathroom L (1st draw)	SDG No.:	Q3718
Lab Sample ID:	Q3718-07	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.
7439-92-1	Lead	157		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 17:46	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	L 2nd draw	SDG No.:	Q3718
Lab Sample ID:	Q3718-08	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.
7439-92-1	Lead	35.8		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 17:50	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	R (1st draw)	SDG No.:	Q3718
Lab Sample ID:	Q3718-09	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.
7439-92-1	Lead	117		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 17:54	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	R (2nd draw)	SDG No.:	Q3718
Lab Sample ID:	Q3718-10	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-92-1	Lead	2.99	J	1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 17:59	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	Main Hall L (1st draw)	SDG No.:	Q3718
Lab Sample ID:	Q3718-11	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.
7439-92-1	Lead	18.9		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 18:03	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	L (2nd draw)	SDG No.:	Q3718
Lab Sample ID:	Q3718-12	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.
7439-92-1	Lead	131		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 18:07	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	R (1st draw)	SDG No.:	Q3718
Lab Sample ID:	Q3718-13	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.
7439-92-1	Lead	110		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 18:12	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

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

Report of Analysis

Client:	Total Quality Environmental Inc.	Date Collected:	11/24/25
Project:	Total Quality Environmental Inc	Date Received:	11/25/25
Client Sample ID:	R (2nd draw)	SDG No.:	Q3718
Lab Sample ID:	Q3718-14	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.
7439-92-1	Lead	10.2		1	1.15	6.00	ug/L	11/25/25 10:50	11/26/25 18:24	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

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: **Total Quality Environmental Inc.** **SDG No.:** Q3718

Contract: TOTA02 **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	Lead	3970	4000	99	90 - 110	P	11/26/2025	13:18	LB138061

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: **Total Quality Environmental Inc.** **SDG No.:** Q3718

Contract: TOTA02 **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	Lead	11.6	12.0	97	80 - 120	P	11/26/2025	13:22	LB138061

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: **Total Quality Environmental Inc.** **SDG No.:** Q3718

Contract: TOTA02 **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	Lead	4930	5000	98	90 - 110	P	11/26/2025	14:18	LB138061
CCV02	Lead	4980	5000	100	90 - 110	P	11/26/2025	15:39	LB138061
CCV03	Lead	4910	5000	98	90 - 110	P	11/26/2025	16:29	LB138061
CCV04	Lead	4930	5000	99	90 - 110	P	11/26/2025	17:25	LB138061
CCV05	Lead	4870	5000	97	90 - 110	P	11/26/2025	18:16	LB138061
CCV06	Lead	4900	5000	98	90 - 110	P	11/26/2025	19:07	LB138061
CCV07	Lead	4840	5000	97	90 - 110	P	11/26/2025	19:57	LB138061
CCV08	Lead	4890	5000	98	90 - 110	P	11/26/2025	20:10	LB138061

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

Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Total Quality Environmental Inc. **SDG No.:** Q3718

Contract: TOTA02 **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	Lead	11.8	12.0	99	65 - 135	P	11/26/2025	13:31	LB138061

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Total Quality Environmental Inc. **SDG No.:** Q3718

Contract: TOTA02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Lead	2.30	+/-6	U	12.0	P	11/26/2025	13:26	LB138061

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Total Quality Environmental Inc. **SDG No.:** Q3718

Contract: TOTA02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Lead	2.30	+/-6	U	12.0	P	11/26/2025	14:22	LB138061
CCB02	Lead	2.30	+/-6	U	12.0	P	11/26/2025	15:43	LB138061
CCB03	Lead	2.30	+/-6	U	12.0	P	11/26/2025	16:33	LB138061
CCB04	Lead	2.30	+/-6	U	12.0	P	11/26/2025	17:29	LB138061
CCB05	Lead	2.30	+/-6	U	12.0	P	11/26/2025	18:20	LB138061
CCB06	Lead	2.30	+/-6	U	12.0	P	11/26/2025	19:11	LB138061
CCB07	Lead	2.30	+/-6	U	12.0	P	11/26/2025	20:02	LB138061
CCB08	Lead	2.30	+/-6	U	12.0	P	11/26/2025	20:14	LB138061

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Total Quality Environmental Inc. **SDG No.:** Q3718

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170729BL		**WATER**		**Batch Number:**	**PB170729**		**Prep Date:**	**11/25/2025**	
	Lead	1.15	<3	U	6.00	P	11/26/2025	14:26	LB138061

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Total Quality Environmental Inc. **SDG No.:** Q3718

Contract: TOTA02 **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	Lead	6.28			-12	12	11/26/2025	13:35	LB138061
ICSAB01	Lead	60.7	49.0	124	37	61	11/26/2025	13:39	LB138061

METAL
QC
DATA

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Total Quality Environmental Inc. **level:** low **sdg no.:** Q3718

contract: TOTA02 **lab code:** ACE

matrix: Water **sample id:** Q3716-02 **client id:** MW3MS

Percent Solids for Sample: NA **Spiked ID:** Q3716-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Lead	ug/L	75 - 125	474		1.41	J	500	94		P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Total Quality Environmental Inc. **level:** low **sdg no.:** Q3718

contract: TOTA02 **lab code:** ACE

matrix: Water **sample id:** Q3716-02 **client id:** MW3MSD

Percent Solids for Sample: NA **Spiked ID:** Q3716-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Lead	ug/L	75 - 125	471		1.41	J	500	94		P

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

Metals
- 5b -

Client: Total Quality Environmental Inc. **SDG No.:** Q3718

Contract: TOTA02 **Lab Code:** ACE

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Total Quality Environmental Inc. **Level:** LOW **SDG No.:** Q3718

Contract: TOTA02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3716-02 **Client ID:** MW3DUP

Percent Solids for Sample: NA **Duplicate ID** Q3716-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Lead	ug/L	20	1.41	J	1.97	J	33		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Total Quality Environmental Inc. **Level:** LOW **SDG No.:** Q3718

Contract: TOTA02 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3716-02MS **Client ID:** MW3MSD

Percent Solids for Sample: NA **Duplicate ID** Q3716-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Lead	ug/L	20	474		471		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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

LABORATORY CONTROL SAMPLE SUMMARY

Client: Total Quality Environmental Inc. **SDG No.:** Q3718

Contract: TOTA02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170729BS							
Lead	ug/L	500	500		100	80 - 120	P

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

MW3L

Lab Name: Alliance **Contract:** TOTA02

Lab Code: ACE **Lb No.:** lb138061 **Lab Sample ID :** Q3716-02L **SDG No.:** Q3718

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Lead	1.41	J	30.0	U	100.0		P

METAL PREPARATION & INSTRUMENT DATA

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Total Quality Environmental Inc. **SDG No.:** Q3718

Contract: TOTA02 **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
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Total Quality Environmental Inc.

SDG No.: Q3718

Contract: TOTA02

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
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Total Quality Environmental Inc. **SDG No.:** Q3718

Contract: TOTA02 **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
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Total Quality Environmental Inc. **SDG No.:** Q3718

Contract: TOTA02 **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
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Total Quality Environmental Inc.

SDG No.: Q3718

Contract: TOTA02

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
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Total Quality Environmental Inc. **SDG No.:** Q3718

Contract: TOTA02 **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:	**PB170729**						
PB170729BL	PB170729BL	MB	WATER	11/25/2025	50.0	25.0	
PB170729BS	PB170729BS	LCS	WATER	11/25/2025	50.0	25.0	
Q3716-02DUP	MW3DUP	DUP	WATER	11/25/2025	50.0	25.0	
Q3716-02MS	MW3MS	MS	WATER	11/25/2025	50.0	25.0	
Q3716-02MSD	MW3MSD	MSD	WATER	11/25/2025	50.0	25.0	
Q3718-01	Basement Kitchen (1st draw)	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-02	2nd draw	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-03	Adult Bathroom (1st draw)	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-04	2nd draw	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-05	Drinking Fountain (1st draw)	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-06	2nd draw	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-07	Kids Bathroom L (1st draw)	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-08	L 2nd draw	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-09	R (1st draw)	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-10	R (2nd draw)	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-11	Main Hall (1st draw)	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-12	L (2nd draw)	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-13	R (1st draw)	SAM	WATER	11/25/2025	50.0	25.0	
Q3718-14	R (2nd draw)	SAM	WATER	11/25/2025	50.0	25.0	

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Total Quality Environmental Inc. **Contract:** TOTA02

Lab code: ACE **Sdg no.:** Q3718

Instrument id number: **Method:** **Run number:** LB138061

Start date: 11/26/2025 **End date:** 11/26/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1253	Pb
S1	S1	1	1257	Pb
S2	S2	1	1302	Pb
S3	S3	1	1306	Pb
S4	S4	1	1310	Pb
S5	S5	1	1314	Pb
ICV01	ICV01	1	1318	Pb
LLICV01	LLICV01	1	1322	Pb
ICB01	ICB01	1	1326	Pb
CRI01	CRI01	1	1331	Pb
ICSA01	ICSA01	1	1335	Pb
ICSAB01	ICSAB01	1	1339	Pb
CCV01	CCV01	1	1418	Pb
CCB01	CCB01	1	1422	Pb
PB170729BL	PB170729BL	1	1426	Pb
PB170729BS	PB170729BS	1	1430	Pb
CCV02	CCV02	1	1539	Pb
CCB02	CCB02	1	1543	Pb
Q3716-02DUP	MW3DUP	1	1616	Pb
Q3716-02L	MW3L	5	1620	Pb
Q3716-02MS	MW3MS	1	1625	Pb
CCV03	CCV03	1	1629	Pb
CCB03	CCB03	1	1633	Pb
Q3716-02MSD	MW3MSD	1	1654	Pb
Q3718-01	Basement Kitchen (1st draw)	1	1712	Pb
Q3718-02	2nd draw	1	1716	Pb
Q3718-03	Adult Bathroom (1st draw)	1	1720	Pb
CCV04	CCV04	1	1725	Pb
CCB04	CCB04	1	1729	Pb
Q3718-04	2nd draw	1	1733	Pb
Q3718-05	Drinking Fountain (1st draw)	1	1737	Pb
Q3718-06	2nd draw	1	1742	Pb
Q3718-07	Kids Bathroom L (1st draw)	1	1746	Pb
Q3718-08	L 2nd draw	1	1750	Pb
Q3718-09	R (1st draw)	1	1754	Pb
Q3718-10	R (2nd draw)	1	1759	Pb
Q3718-11	Main Hall (1st draw)	1	1803	Pb
Q3718-12	L (2nd draw)	1	1807	Pb
Q3718-13	R (1st draw)	1	1812	Pb
CCV05	CCV05	1	1816	Pb
CCB05	CCB05	1	1820	Pb

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

metals
- 14 -
ANALYSIS RUN LOG

Client: Total Quality Environmental Inc. **Contract:** TOTA02

Lab code: ACE **Sdg no.:** Q3718

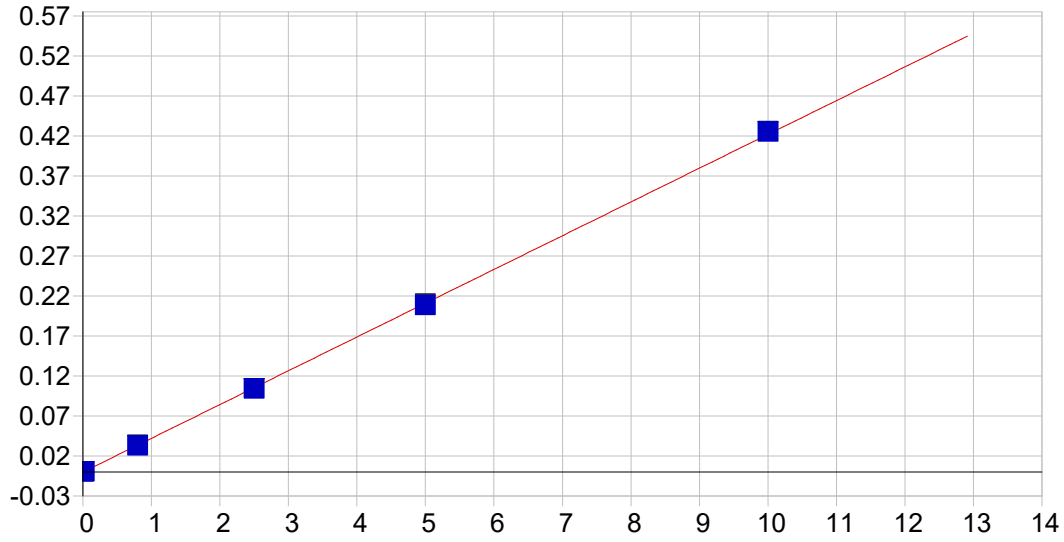
Instrument id number: **Method:** **Run number:** LB138061

Start date: 11/26/2025 **End date:** 11/26/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
Q3718-14	R (2nd draw)	1	1824	Pb
CCV06	CCV06	1	1907	Pb
CCB06	CCB06	1	1911	Pb
CCV07	CCV07	1	1957	Pb
CCB07	CCB07	1	2002	Pb
CCV08	CCV08	1	2010	Pb
CCB08	CCB08	1	2014	Pb

METAL
RAW DATA

Reviewed By:
On:
Inst Id :P4
LB :LB138061



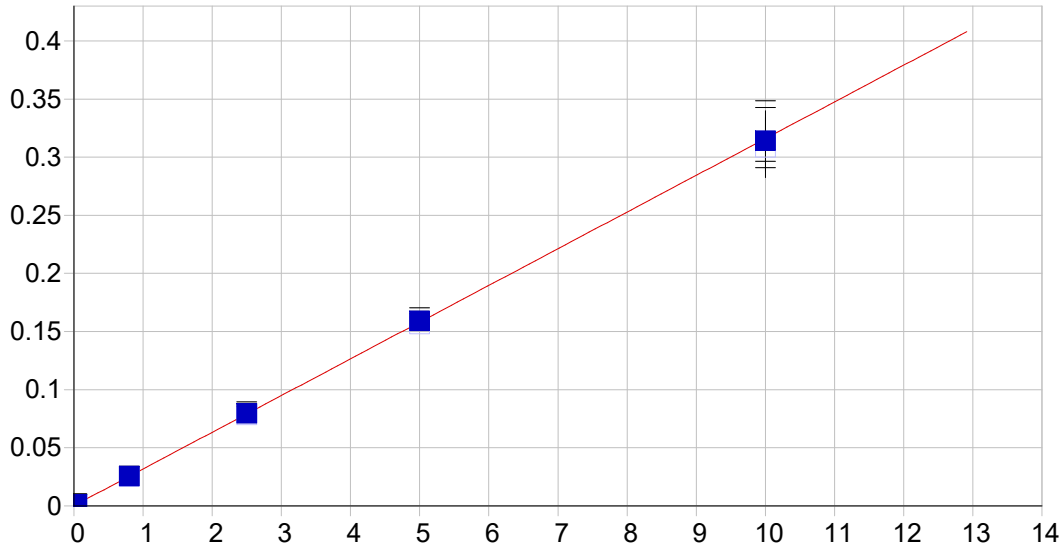
As 189.042 {479}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000120	Re-Slope:	1.000000
A1 (Gain):	0.042195	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999925	Status:	OK.
Std Error of Est:	0.000012		
Predicted MDL:	0.004778		
Predicted MQL:	0.015926		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00012	.000	1
S1	.02000	.02444	.004	22.2	.00091	.000	1
S3	2.5000	2.4725	-.027	-1.10	.10410	.000	1
S4	5.0000	4.9448	-.055	-1.10	.20832	.001	1
S5	10.000	10.087	.087	.867	.42507	.000	1
S2	.80000	.79157	-.008	-1.05	.03325	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



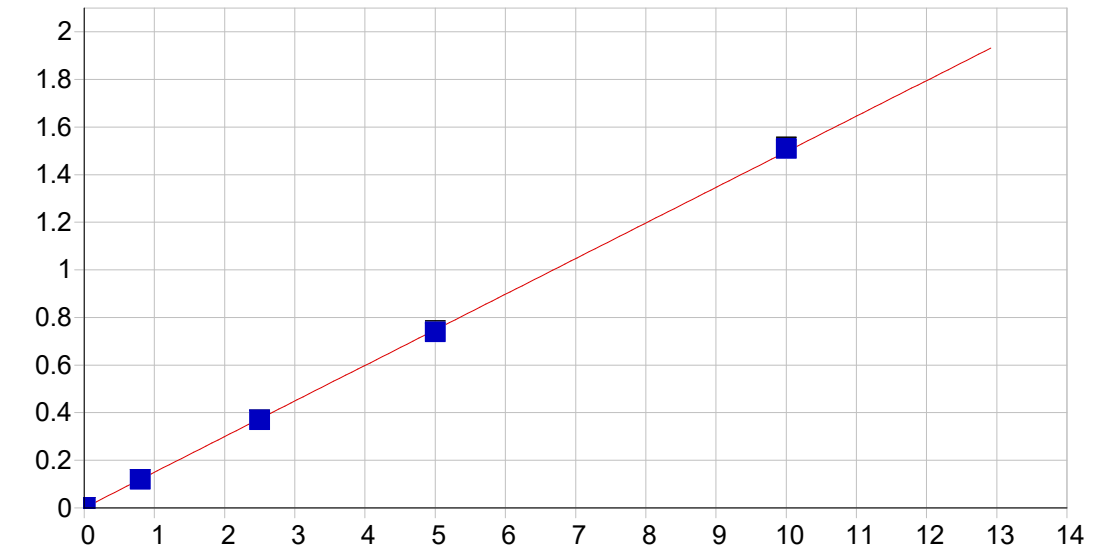
Tl 190.856 {477}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000206	Re-Slope:	1.000000
A1 (Gain):	0.031576	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999952	Status:	OK.
Std Error of Est:	0.000010		
Predicted MDL:	0.006280		
Predicted MQL:	0.020935		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00021	.000	1
S1	.04000	.04616	.006	15.4	.00158	.000	1
S3	2.5000	2.5161	.016	.645	.07822	.001	1
S4	5.0000	5.0367	.037	.734	.15636	.003	1
S5	10.000	9.9391	-.061	-.609	.30828	.026	1
S2	.80000	.80215	.002	.269	.02507	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



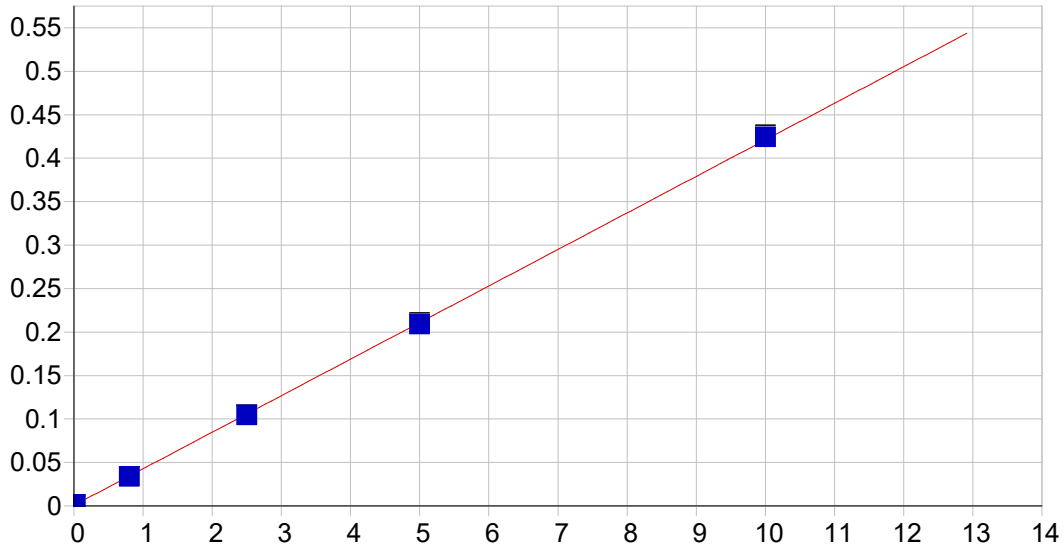
Pb 220.353 {453}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000211	Re-Slope:	1.000000
A1 (Gain):	0.149584	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999943	Status:	OK.
Std Error of Est:	0.000029		
Predicted MDL:	0.002216		
Predicted MQL:	0.007388		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00021	.000	1
S1	.01200	.01117	-.001	-6.90	.00185	.000	1
S3	2.5000	2.4692	-.031	-1.23	.36915	.001	1
S4	5.0000	4.9395	-.061	-1.21	.73825	.005	1
S5	10.000	10.094	.094	.944	1.5085	.006	1
S2	.80000	.79774	-.002	-.283	.11941	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



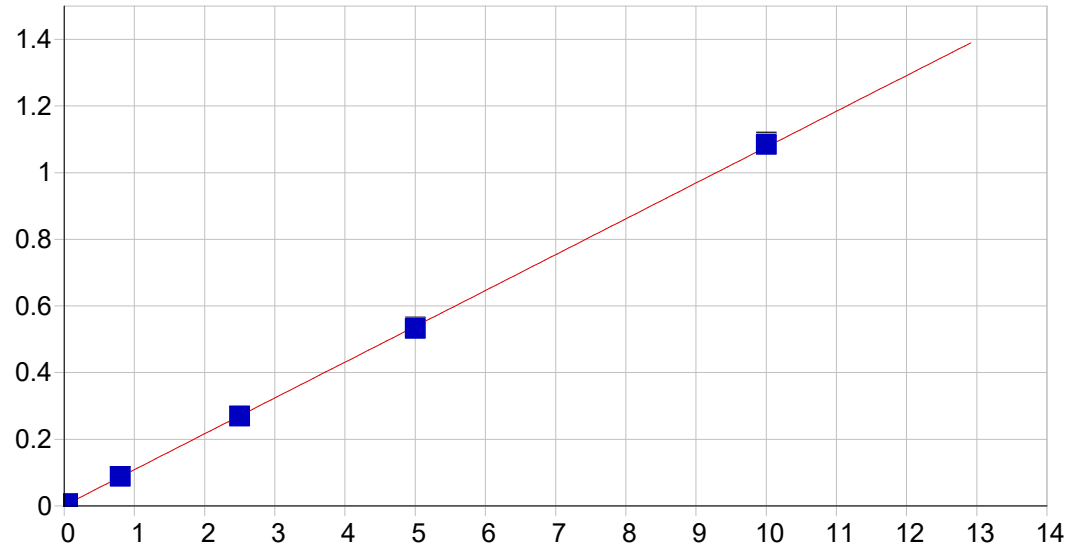
Se 196.090 {472}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000678	Re-Slope:	1.000000
A1 (Gain):	0.042045	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999960	Status:	OK.
Std Error of Est:	0.000009		
Predicted MDL:	0.005820		
Predicted MQL:	0.019399		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00068	.000	1
S1	.02000	.01973	-.000	-1.35	.00151	.000	1
S3	2.5000	2.4738	-.026	-1.05	.10466	.000	1
S4	5.0000	4.9579	-.042	-.842	.20908	.002	1
S5	10.000	10.081	.081	.809	.42442	.002	1
S2	.80000	.78769	-.012	-1.54	.03379	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



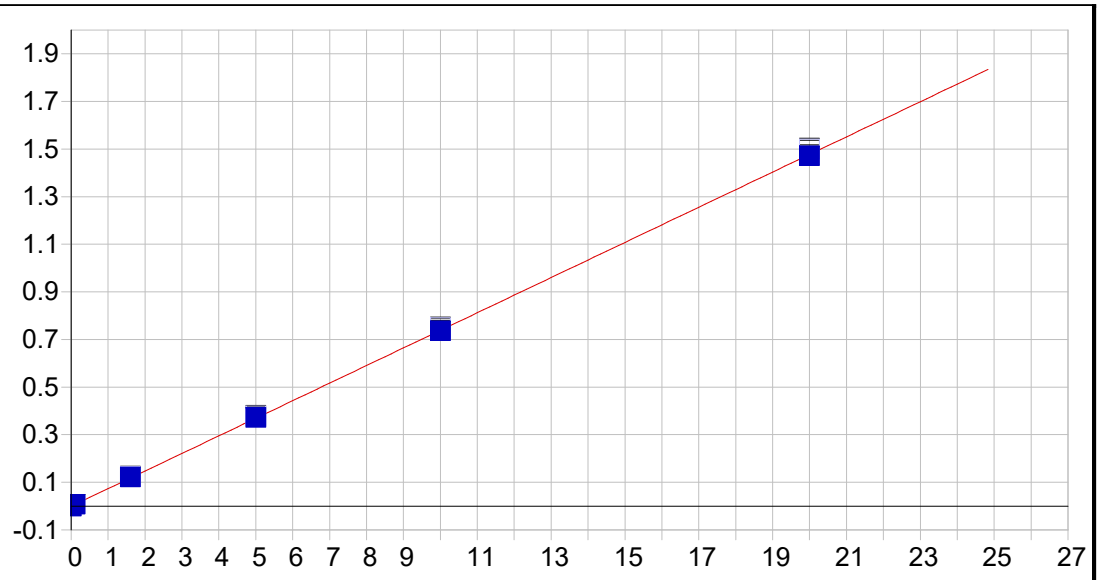
Sb 206.833 {463}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001267	Re-Slope:	1.000000
A1 (Gain):	0.107522	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999961	Status:	OK.
Std Error of Est:	0.000035		
Predicted MDL:	0.002872		
Predicted MQL:	0.009574		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00127	.000	1
S1	.05000	.05098	.001	1.96	.00676	.000	1
S3	2.5000	2.4869	-.013	-.522	.26940	.000	1
S4	5.0000	4.9364	-.064	-1.27	.53350	.003	1
S5	10.000	10.070	.070	.700	1.0869	.005	1
S2	.80000	.80564	.006	.705	.08813	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



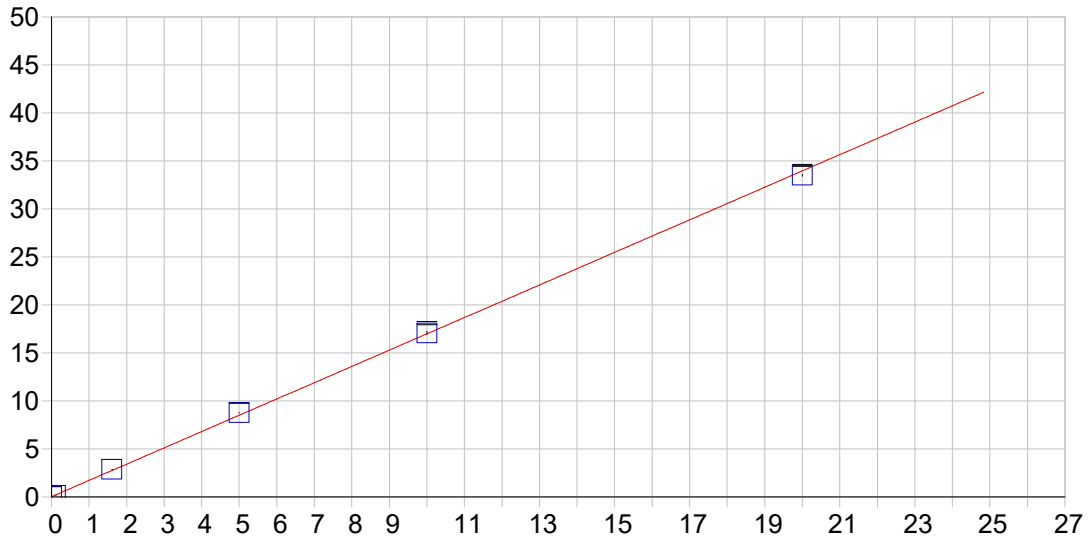
Al 396.152 { 85}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000484	Re-Slope:	1.000000
A1 (Gain):	0.073892	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999939	Status:	OK.
Std Error of Est:	0.000062		
Predicted MDL:	0.011426		
Predicted MQL:	0.038087		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	-.00049	.000	1
S1	.10000	.11327	.013	13.3	.00846	.000	1
S3	5.0000	5.0395	.040	.790	.37906	.002	1
S4	10.000	9.9660	-.034	-.340	.75025	.003	1
S5	20.000	19.922	-.078	-.391	1.5002	.004	1
S2	1.6000	1.6587	.059	3.67	.12437	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



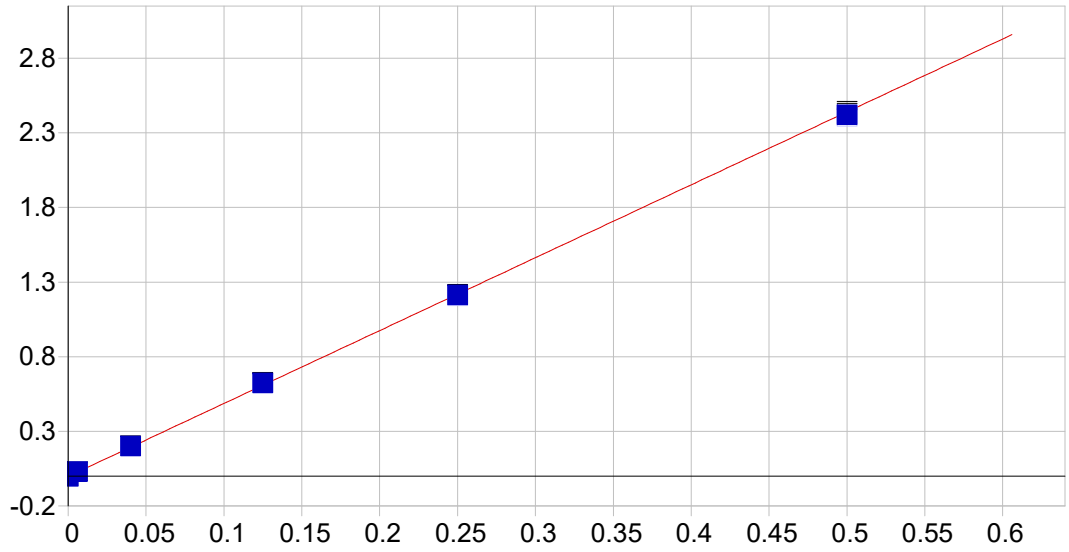
Ba 493.409 { 68}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.021311	Re-Slope:	1.000000
A1 (Gain):	1.696624	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999833	Status:	OK.
Std Error of Est:	0.002302		
Predicted MDL:	0.001352		
Predicted MQL:	0.004506		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.02129	.004	1
S1	.10000	.10686	.007	6.86	.20261	.001	1
S3	5.0000	5.1480	.148	2.96	8.7556	.036	1
S4	10.000	10.043	.043	.433	17.061	.167	1
S5	20.000	19.727	-.273	-1.37	33.490	.093	1
S2	1.6000	1.6750	.075	4.69	2.8632	.005	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



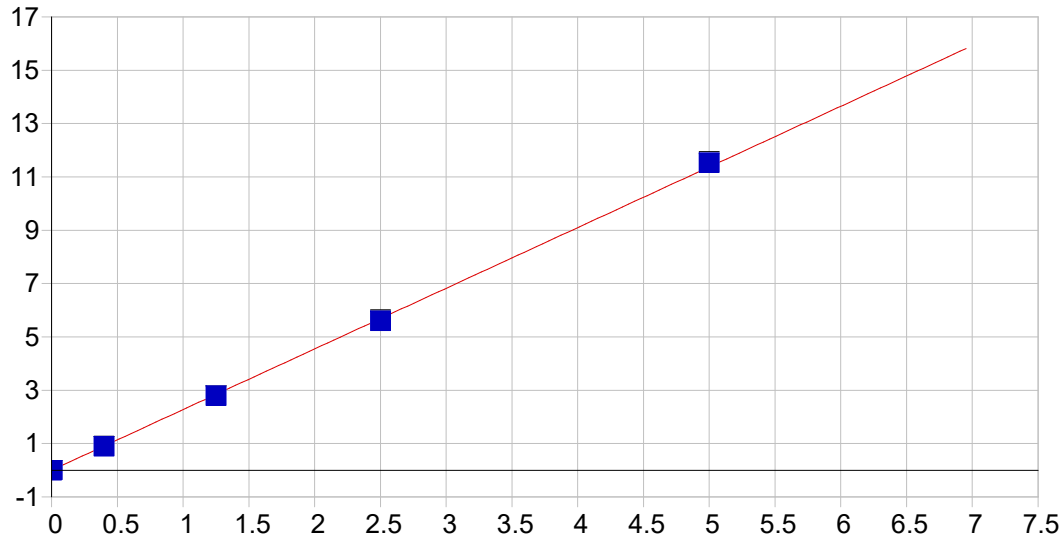
Be 234.861 {144}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002087	Re-Slope:	1.000000
A1 (Gain):	4.885544	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999876	Status:	OK.
Std Error of Est:	0.000220		
Predicted MDL:	0.000100		
Predicted MQL:	0.000332		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00209	.000	1
S1	.00600	.00655	.001	9.12	.02968	.000	1
S3	.12500	.12825	.003	2.60	.62176	.004	1
S4	.25000	.24872	-.001	-.511	1.2076	.005	1
S5	.50000	.49602	-.004	-.796	2.4103	.022	1
S2	.04000	.04146	.001	3.64	.19958	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



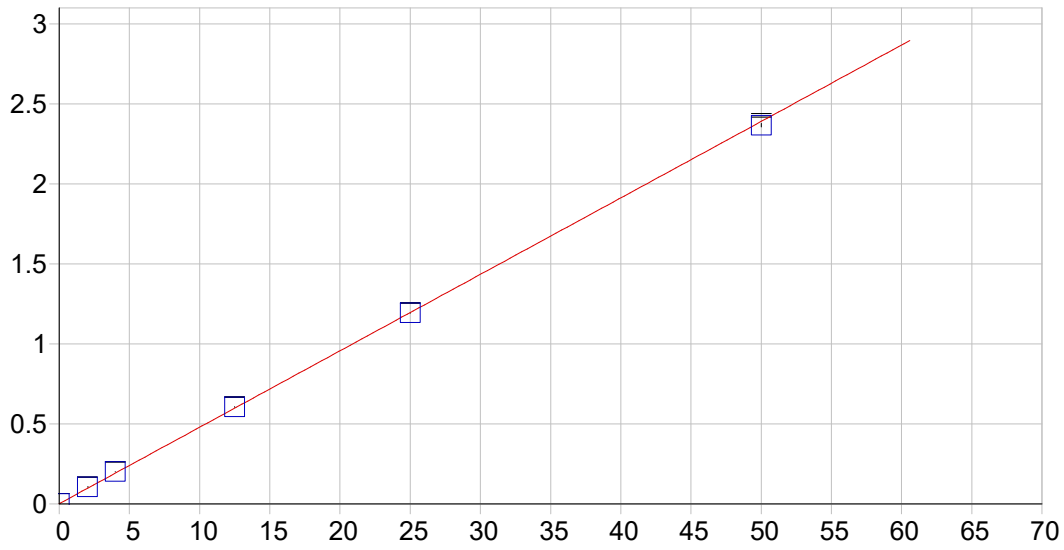
Cd 226.502 {449}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000352	Re-Slope:	1.000000
A1 (Gain):	2.274718	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999886	Status:	OK.
Std Error of Est:	0.000312		
Predicted MDL:	0.000123		
Predicted MQL:	0.000411		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00035	.000	1
S1	.00600	.00619	.000	3.11	.01377	.000	1
S3	1.2500	1.2263	-.024	-1.90	2.7909	.001	1
S4	2.5000	2.4599	-.040	-1.60	5.5989	.035	1
S5	5.0000	5.0684	.068	1.37	11.536	.032	1
S2	.40000	.39530	-.005	-1.18	.89944	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



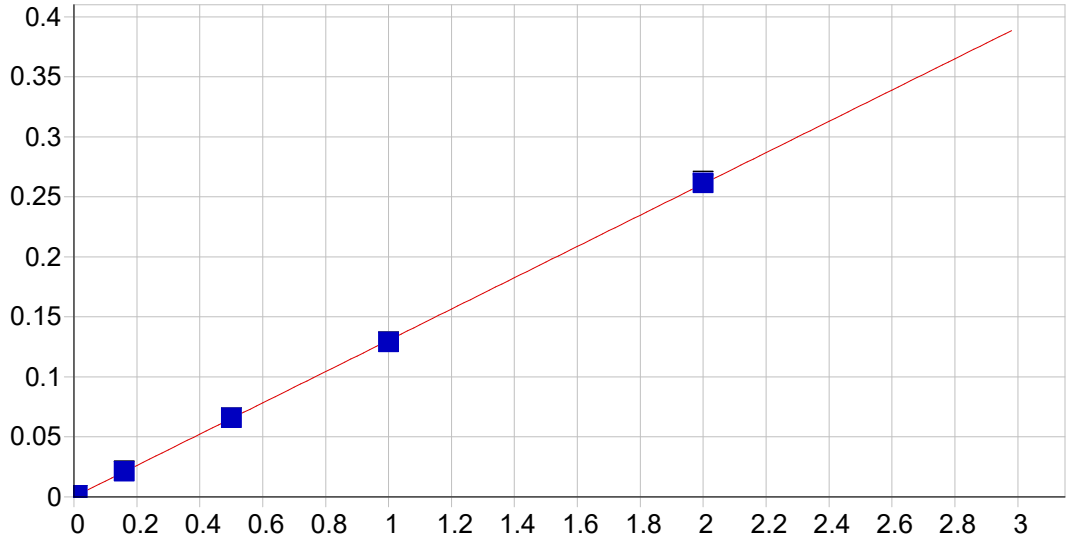
Ca 373.690 { 90}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001375	Re-Slope:	1.000000
A1 (Gain):	0.047778	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999834	Status:	OK.
Std Error of Est:	0.000461		
Predicted MDL:	0.013799		
Predicted MQL:	0.045997		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00027	-.000	.000	.00136	.000	1
S2	4.0000	4.1815	.181	4.54	.20116	.001	1
S3	12.500	12.673	.173	1.38	.60686	.002	1
S4	25.000	24.958	-.042	-.169	1.1938	.003	1
S5	50.000	49.512	-.488	-.977	2.3669	.010	1
S1	2.0000	2.1763	.176	8.82	.10535	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



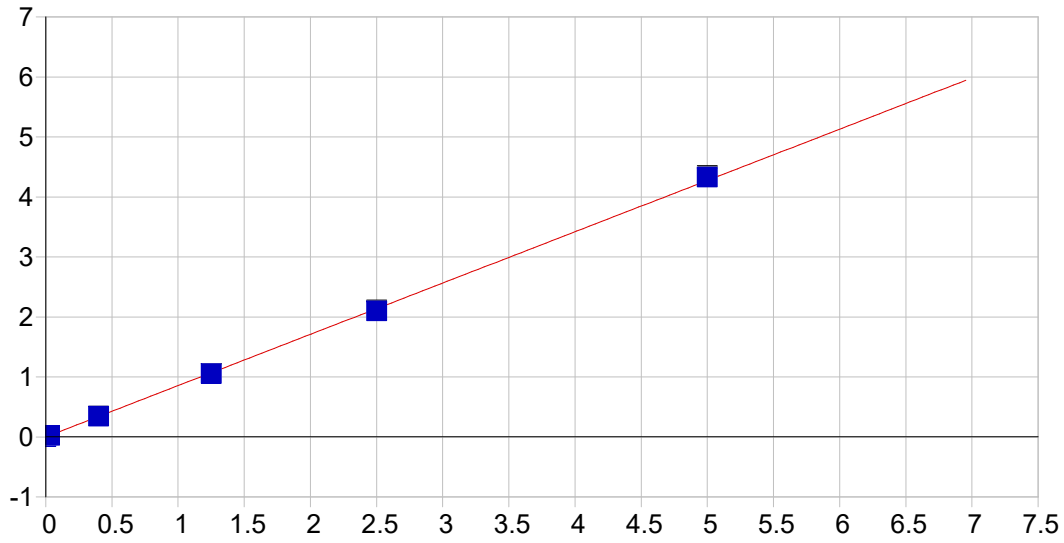
Cr 267.716 {126}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000158	Re-Slope:	1.000000
A1 (Gain):	0.130299	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999966	Status:	OK.
Std Error of Est:	0.000008		
Predicted MDL:	0.000627		
Predicted MQL:	0.002091		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00016	.000	1
S1	.01000	.00955	-.000	-4.51	.00140	.000	1
S3	.50000	.50400	.004	.800	.06588	.000	1
S4	1.0000	.98852	-.011	-1.15	.12906	.000	1
S5	2.0000	2.0049	.005	.246	.26161	.001	1
S2	.16000	.16301	.003	1.88	.02141	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



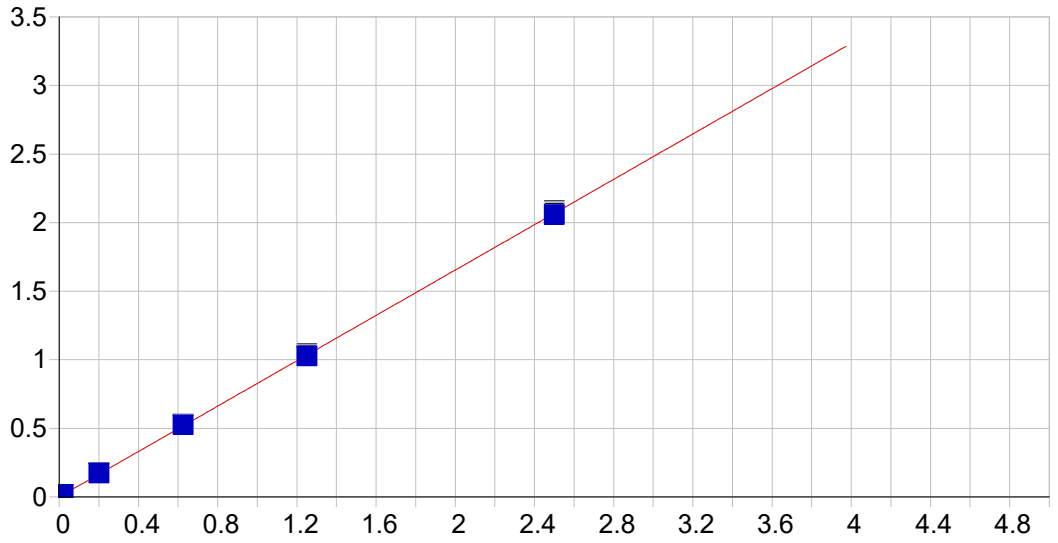
Co 228.616 {448}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000009	Re-Slope:	1.000000
A1 (Gain):	0.854775	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999892	Status:	OK.
Std Error of Est:	0.000256		
Predicted MDL:	0.000291		
Predicted MQL:	0.000970		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00001	.000	1
S1	.03000	.03116	.001	3.88	.02654	.000	1
S3	1.2500	1.2318	-.018	-1.46	1.0547	.001	1
S4	2.5000	2.4536	-.046	-1.86	2.1009	.013	1
S5	5.0000	5.0639	.064	1.28	4.3358	.017	1
S2	.40000	.39953	-.000	-.117	.34210	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



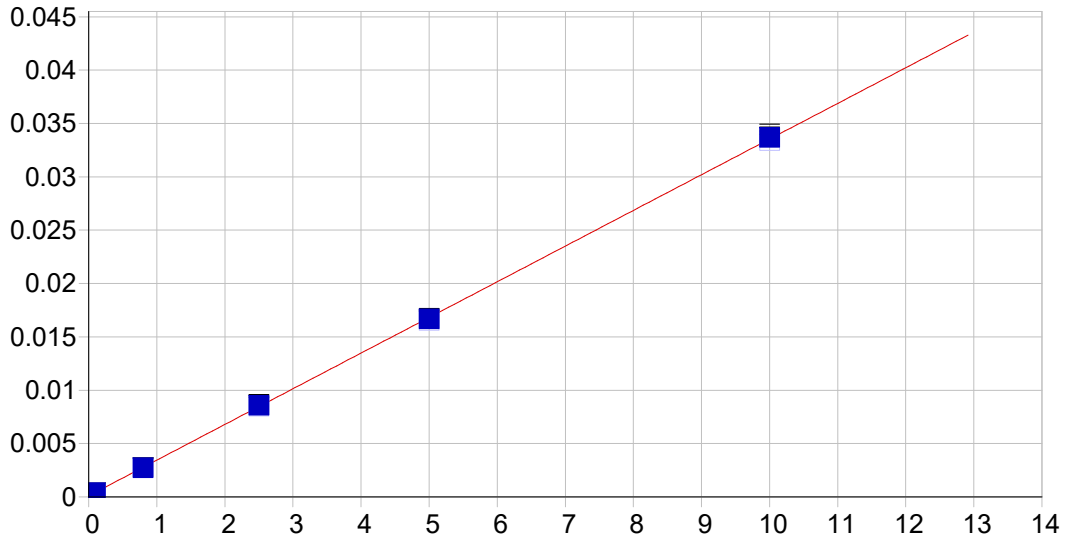
Cu 224.700 {450}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000451	Re-Slope:	1.000000
A1 (Gain):	0.826922	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999896	Status:	OK.
Std Error of Est:	0.000141		
Predicted MDL:	0.000573		
Predicted MQL:	0.001909		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00045	.000	1
S1	.02000	.02250	.002	12.5	.01924	.001	1
S3	.62500	.63388	.009	1.42	.52905	.001	1
S4	1.2500	1.2409	-.009	-.731	1.0354	.007	1
S5	2.5000	2.4886	-.011	-.456	2.0760	.011	1
S2	.20000	.20916	.009	4.58	.17483	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



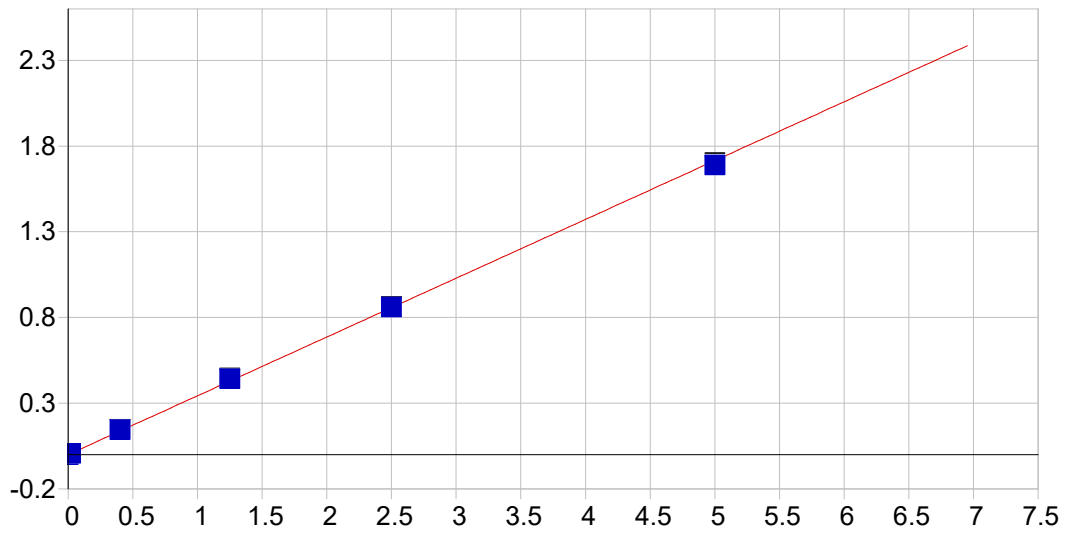
Fe 240.488 {140}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000103	Re-Slope:	1.000000
A1 (Gain):	0.003344	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999906	Status:	OK.
Std Error of Est:	0.000002		
Predicted MDL:	0.009061		
Predicted MQL:	0.030204		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00010	.000	1
S1	.10000	.08543	-.015	-14.6	.00038	.000	1
S3	2.5000	2.5327	.033	1.31	.00850	.000	1
S4	5.0000	4.9543	-.046	-.914	.01653	.000	1
S5	10.000	10.042	.042	.416	.03339	.000	1
S2	.80000	.78591	-.014	-1.76	.00271	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



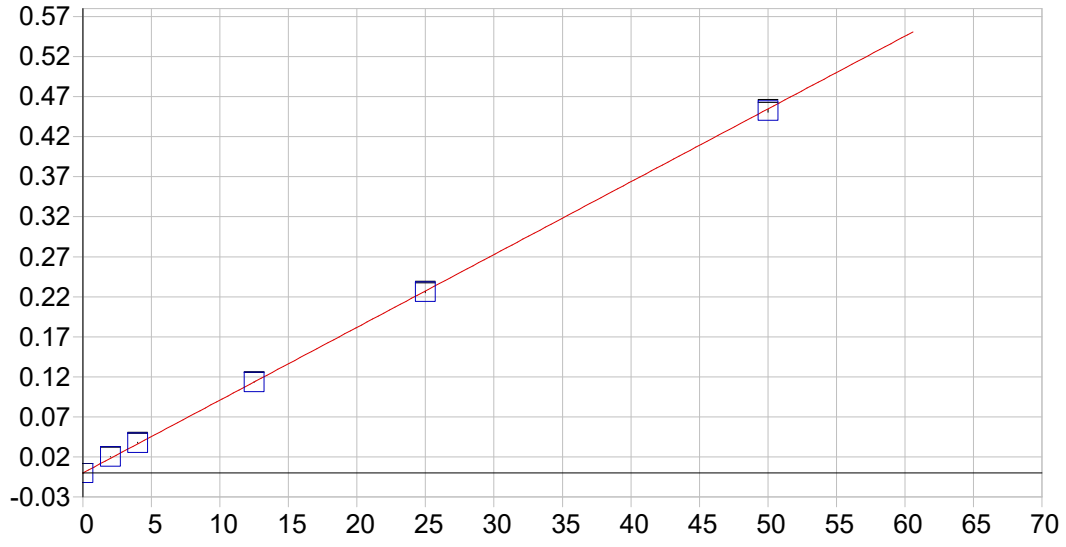
Mn 257.610 {131}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000101	Re-Slope:	1.000000
A1 (Gain):	0.343000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999773	Status:	OK.
Std Error of Est:	0.000121		
Predicted MDL:	0.000727		
Predicted MQL:	0.002422		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00010	.000	1
S1	.02000	.02193	.002	9.66	.00763	.000	1
S3	1.2500	1.2899	.040	3.19	.44262	.003	1
S4	2.5000	2.5074	.007	.298	.86033	.003	1
S5	5.0000	4.9256	-.074	-1.49	1.6899	.012	1
S2	.40000	.42514	.025	6.28	.14595	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



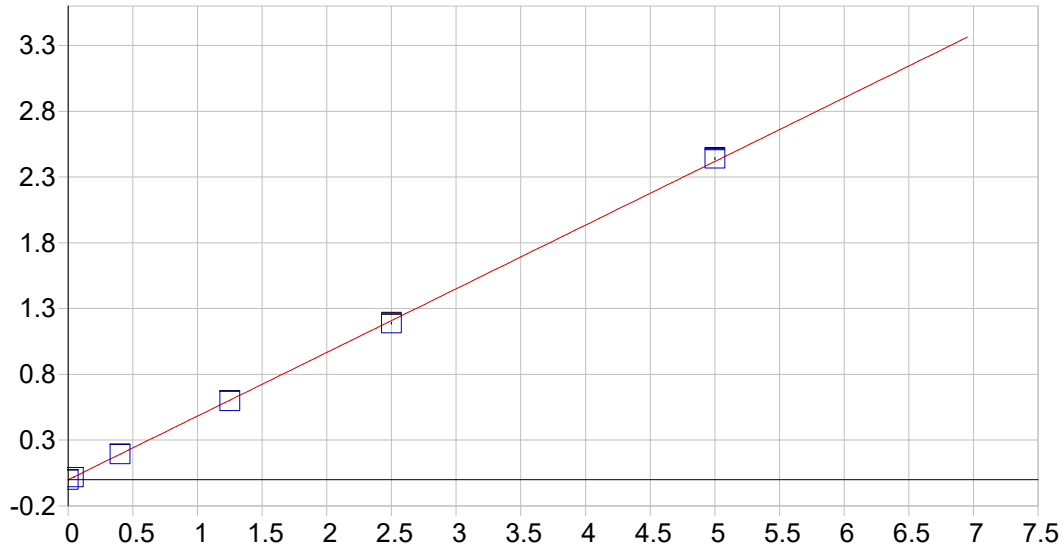
Mg 279.079 {121}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000075	Re-Slope:	1.000000
A1 (Gain):	0.009094	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999815	Status:	OK.
Std Error of Est:	0.000093		
Predicted MDL:	0.035101		
Predicted MQL:	0.117002		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00029	-.000	.000	-.00008	.000	1
S2	4.0000	4.1554	.155	3.89	.03771	.000	1
S3	12.500	12.499	-.001	-.008	.11359	.000	1
S4	25.000	24.864	-.136	-.543	.22604	.001	1
S5	50.000	49.751	-.249	-.498	.45236	.002	1
S1	2.0000	2.2303	.230	11.5	.02021	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



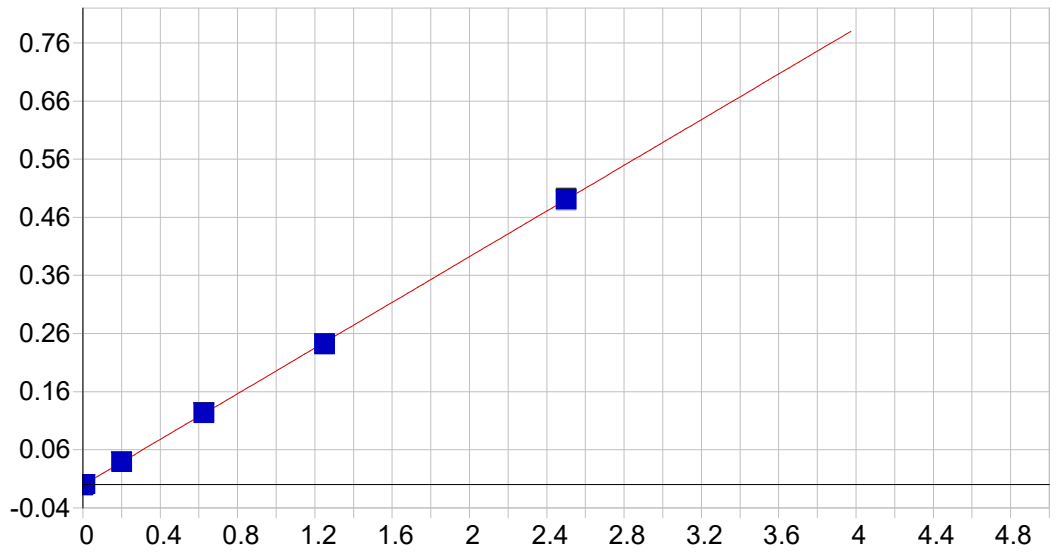
Ni 231.604 {446}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000830	Re-Slope:	1.000000
A1 (Gain):	0.483869	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999930	Status:	OK.
Std Error of Est:	0.000134		
Predicted MDL:	0.000549		
Predicted MQL:	0.001830		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00083	.000	1
S1	.04000	.04240	.002	6.01	.01969	.000	1
S3	1.2500	1.2391	-.011	-.873	.59873	.001	1
S4	2.5000	2.4609	-.039	-1.56	1.1899	.008	1
S5	5.0000	5.0463	.046	.926	2.4409	.009	1
S2	.40000	.40130	.001	.326	.19335	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



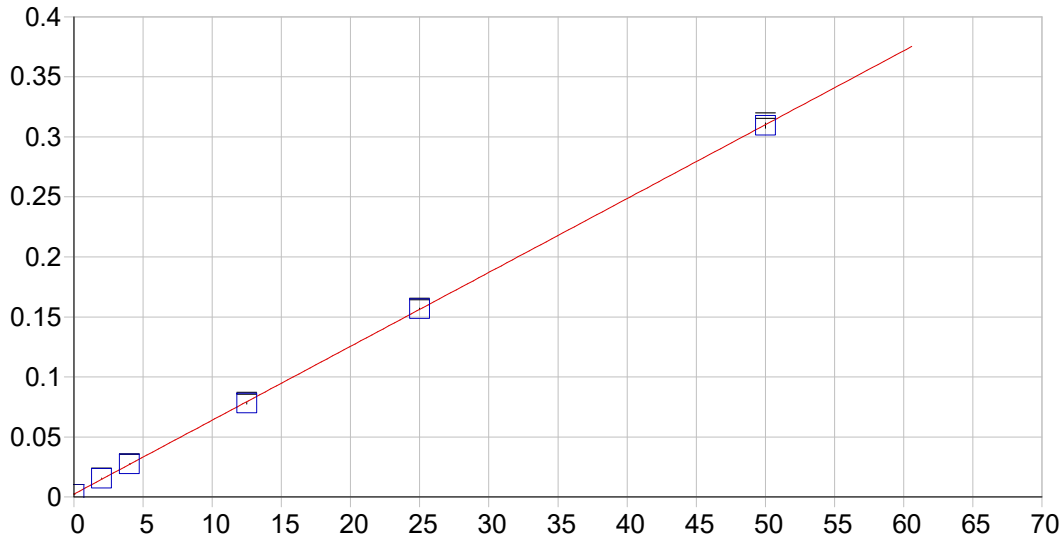
Ag 328.068 {103}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000740	Re-Slope:	1.000000
A1 (Gain):	0.196488	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999951	Status:	OK.
Std Error of Est:	0.000016		
Predicted MDL:	0.000709		
Predicted MQL:	0.002363		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00074	.000	1
S1	.01000	.01102	.001	10.2	.00141	.000	1
S3	.62500	.63342	.008	1.35	.12317	.000	1
S4	1.2500	1.2354	-.015	-1.17	.24091	.001	1
S5	2.5000	2.5019	.002	.076	.48867	.002	1
S2	.20000	.20327	.003	1.63	.03903	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



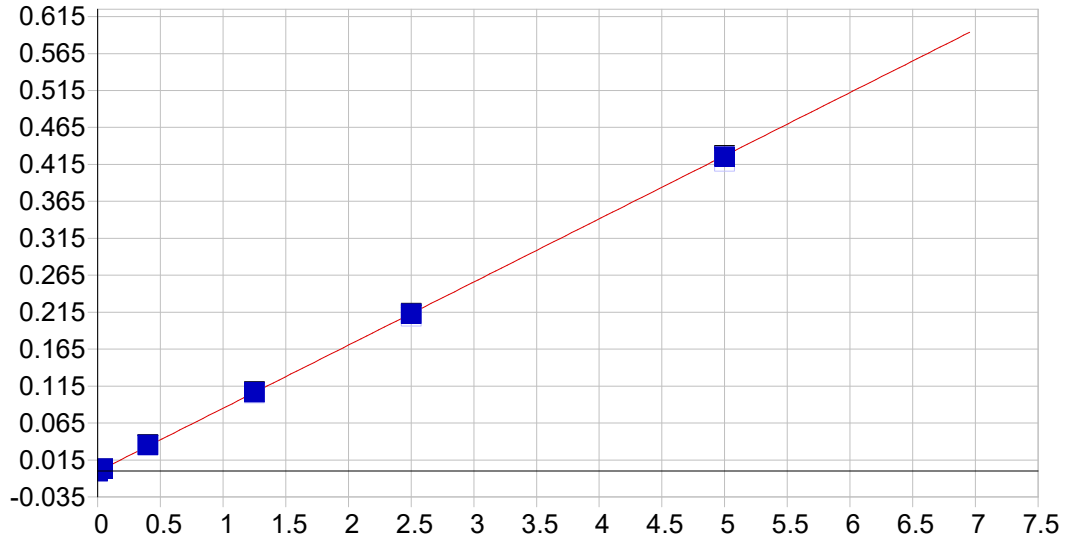
Na 589.592 { 57}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002386	Re-Slope:	1.000000
A1 (Gain):	0.006156	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999918	Status:	OK.
Std Error of Est:	0.000042		
Predicted MDL:	0.030488		
Predicted MQL:	0.101628		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00015	-.000	.000	.00238	.000	1
S2	4.0000	4.0797	.080	1.99	.02750	.000	1
S3	12.500	12.308	-.192	-1.54	.07815	.001	1
S4	25.000	25.082	.082	.327	.15678	.001	1
S5	50.000	49.888	-.112	-.224	.30948	.002	1
S1	2.0000	2.1426	.143	7.13	.01558	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



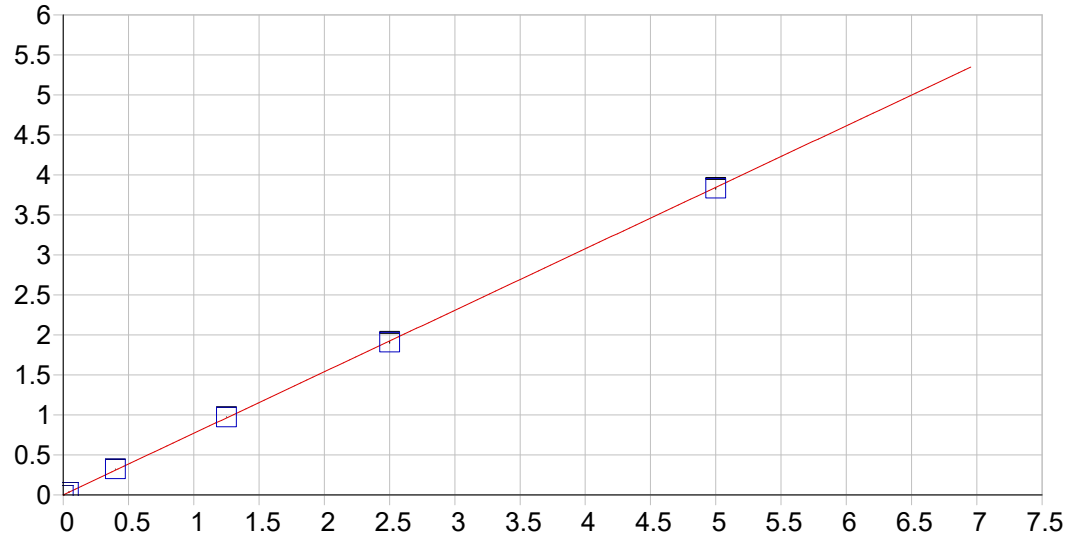
V 292.402 {115}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000525	Re-Slope:	1.000000
A1 (Gain):	0.085462	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999947	Status:	OK.
Std Error of Est:	0.000020		
Predicted MDL:	0.004168		
Predicted MQL:	0.013893		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00053	.000	1
S1	.04000	.04155	.002	3.86	.00290	.000	1
S3	1.2500	1.2561	.006	.491	.10527	.001	1
S4	2.5000	2.4934	-.007	-.262	.20945	.001	1
S5	5.0000	4.9814	-.019	-.371	.41897	.002	1
S2	.40000	.41748	.017	4.37	.03466	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



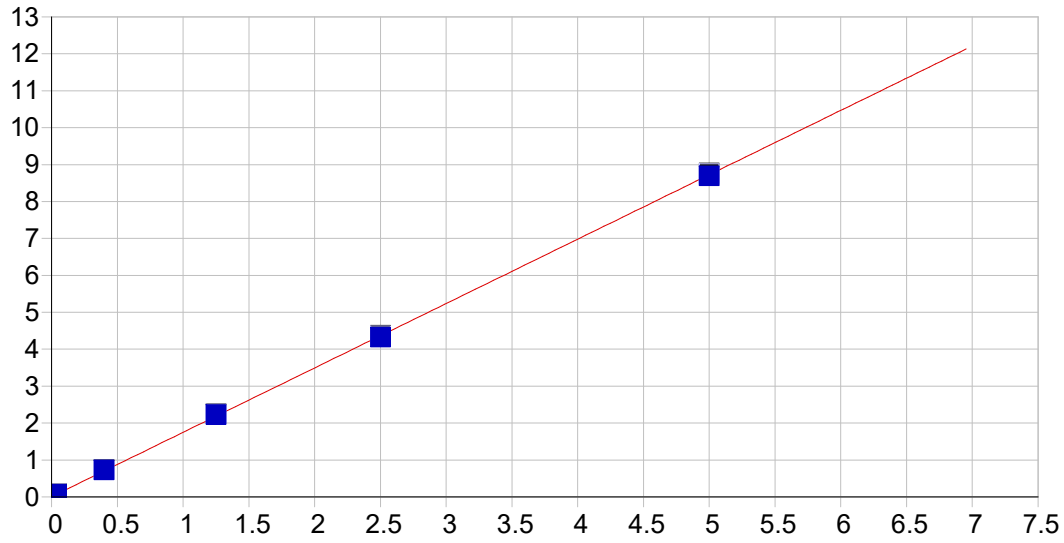
Zn 206.200 {464}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001161	Re-Slope:	1.000000
A1 (Gain):	0.768793	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999918	Status:	OK.
Std Error of Est:	0.000231		
Predicted MDL:	0.000349		
Predicted MQL:	0.001162		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00116	.000	1
S1	.04000	.04361	.004	9.03	.03469	.000	1
S3	1.2500	1.2653	.015	1.23	.97395	.000	1
S4	2.5000	2.4808	-.019	-.769	1.9084	.012	1
S5	5.0000	4.9826	-.017	-.348	3.8317	.012	1
S2	.40000	.41768	.018	4.42	.32227	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



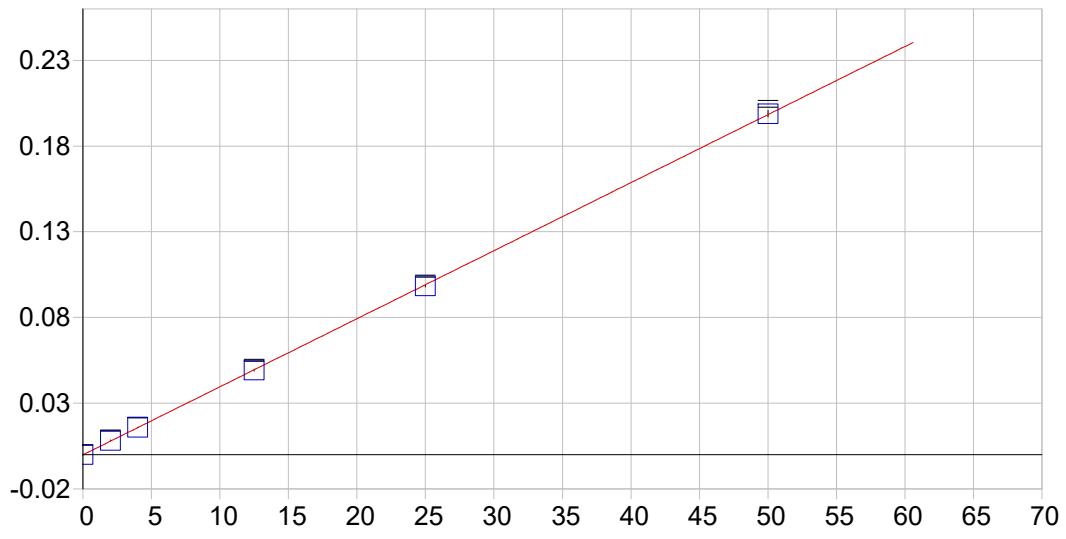
Zn 213.856 {158}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.005666	Re-Slope:	1.000000
A1 (Gain):	1.743779	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999921	Status:	OK.
Std Error of Est:	0.000519		
Predicted MDL:	0.000464		
Predicted MQL:	0.001547		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00566	.000	1
S1	.04000	.04393	.004	9.83	.08276	.002	1
S3	1.2500	1.2740	.024	1.92	2.2424	.002	1
S4	2.5000	2.4775	-.022	-.900	4.3562	.023	1
S5	5.0000	4.9825	-.018	-.350	8.7547	.019	1
S2	.40000	.41209	.012	3.02	.72911	.002	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



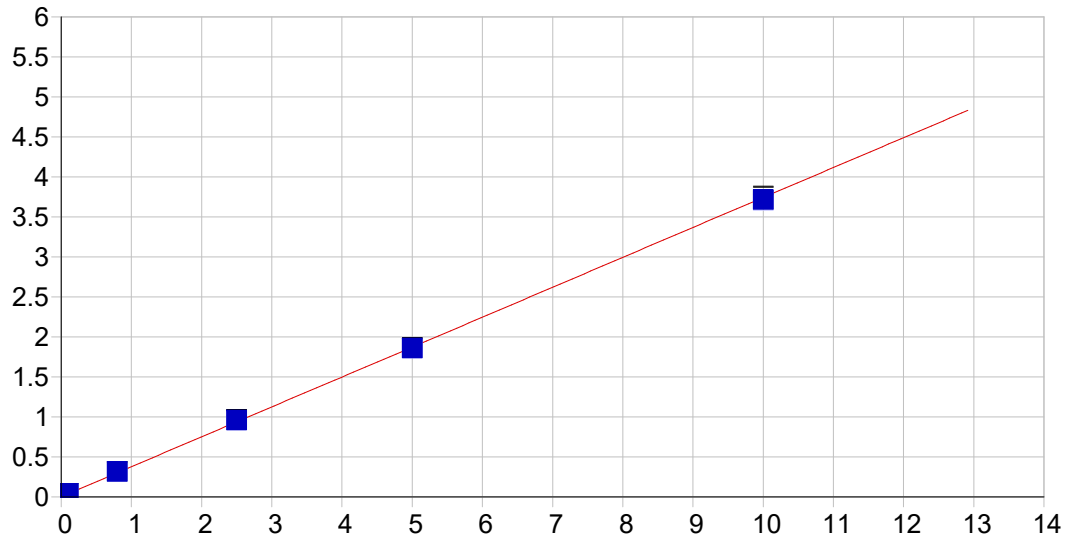
K 766.490 { 44}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000115	Re-Slope:	1.000000
A1 (Gain):	0.003969	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999954	Status:	OK.
Std Error of Est:	0.000020		
Predicted MDL:	0.053851		
Predicted MQL:	0.179505		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00011	-.000	.000	-.00012	.000	1
S2	4.0000	4.0351	.035	.878	.01590	.000	1
S3	12.500	12.439	-.061	-.485	.04926	.000	1
S4	25.000	24.795	-.205	-.821	.09830	.001	1
S5	50.000	50.121	.121	.243	.19883	.002	1
S1	2.0000	2.1095	.110	5.48	.00826	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



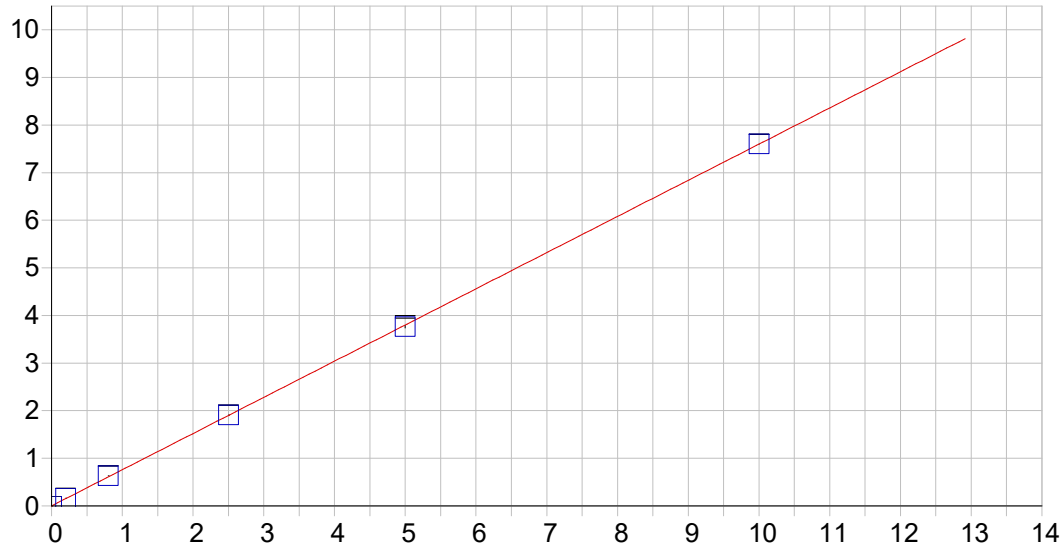
B 249.678 {135}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003146	Re-Slope:	1.000000
A1 (Gain):	0.373903	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999893	Status:	OK.
Std Error of Est:	0.000287		
Predicted MDL:	0.001274		
Predicted MQL:	0.004248		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00314	.000	1
S1	.10000	.10638	.006	6.38	.04270	.000	1
S3	2.5000	2.5587	.059	2.35	.95649	.009	1
S4	5.0000	4.9715	-.029	-.570	1.8553	.005	1
S5	10.000	9.9291	-.071	-.709	3.7022	.044	1
S2	.80000	.83430	.034	4.29	.31402	.002	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



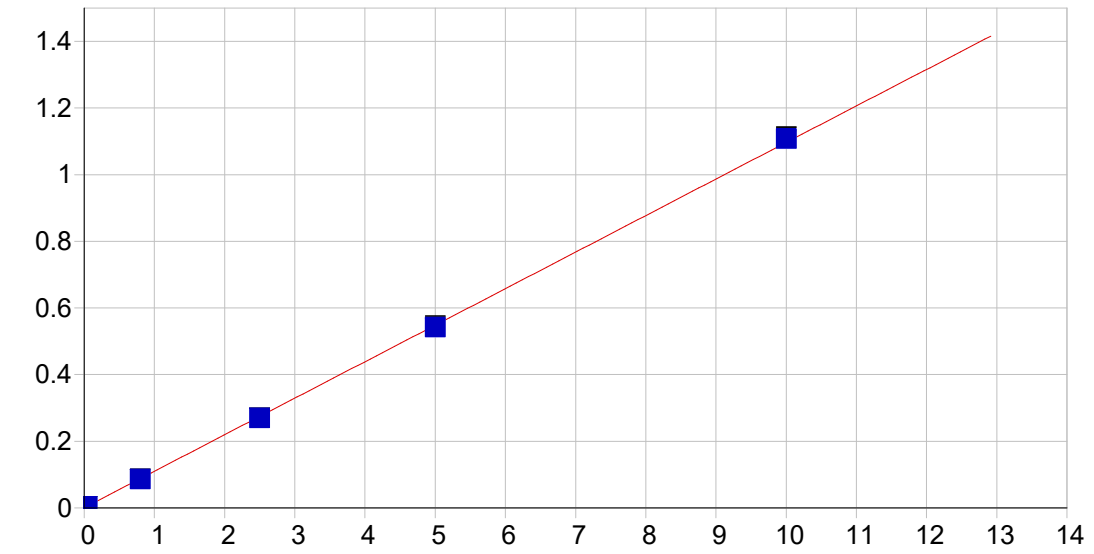
Mo 202.030 {467}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000492	Re-Slope:	1.000000
A1 (Gain):	0.759985	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999949	Status:	OK.
Std Error of Est:	0.000572		
Predicted MDL:	0.000387		
Predicted MQL:	0.001290		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00048	.000	1
S1	.20000	.20805	.008	4.02	.15861	.000	1
S3	2.5000	2.5125	.012	.499	1.9099	.002	1
S4	5.0000	4.9516	-.048	-.969	3.7636	.025	1
S5	10.000	9.9992	-.001	-.008	7.5997	.002	1
S2	.80000	.82874	.029	3.59	.63032	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



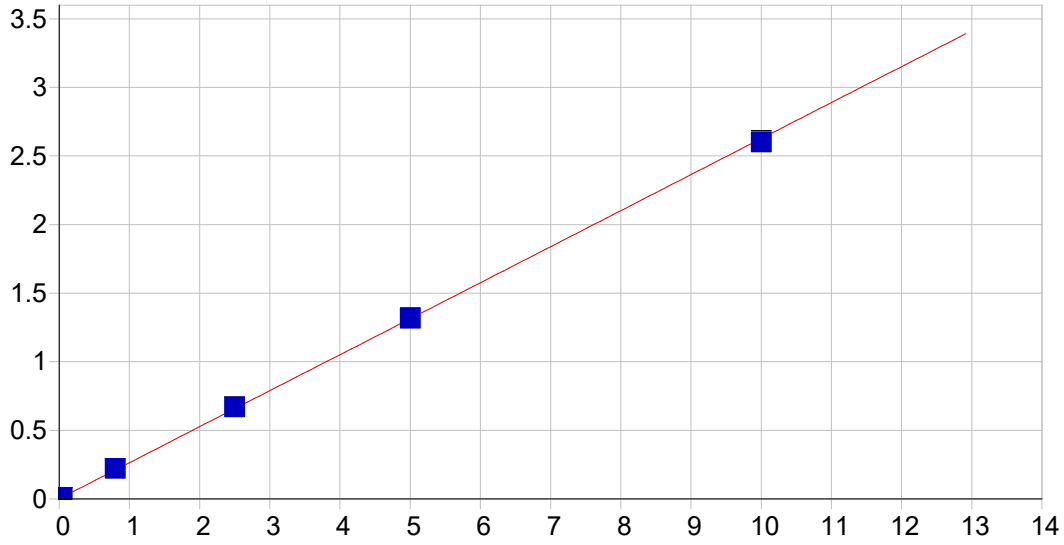
Sn 189.989 {478}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000272	Re-Slope:	1.000000
A1 (Gain):	0.109625	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999932	Status:	OK.
Std Error of Est:	0.000042		
Predicted MDL:	0.001143		
Predicted MQL:	0.003810		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00027	.000	1
S1	.04000	.04124	.001	3.09	.00479	.000	1
S3	2.5000	2.4610	-.039	-1.56	.26978	.000	1
S4	5.0000	4.9462	-.054	-1.08	.54194	.004	1
S5	10.000	10.104	.104	1.04	1.1068	.006	1
S2	.80000	.78776	-.012	-1.53	.08654	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



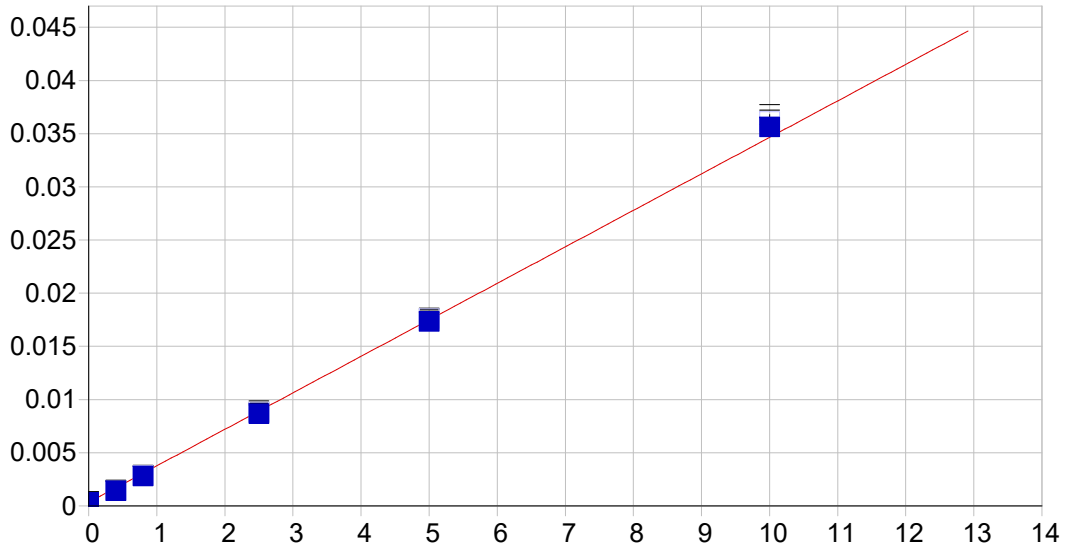
Ti 336.121 {100}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001026	Re-Slope:	1.000000
A1 (Gain):	0.262564	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999879	Status:	OK.
Std Error of Est:	0.000135		
Predicted MDL:	0.001843		
Predicted MQL:	0.006144		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00102	.001	1
S1	.04000	.04417	.004	10.4	.01262	.000	1
S3	2.5000	2.5454	.045	1.82	.66912	.002	1
S4	5.0000	5.0064	.006	.127	1.3150	.004	1
S5	10.000	9.9021	-.098	-.979	2.6000	.011	1
S2	.80000	.84199	.042	5.25	.22203	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



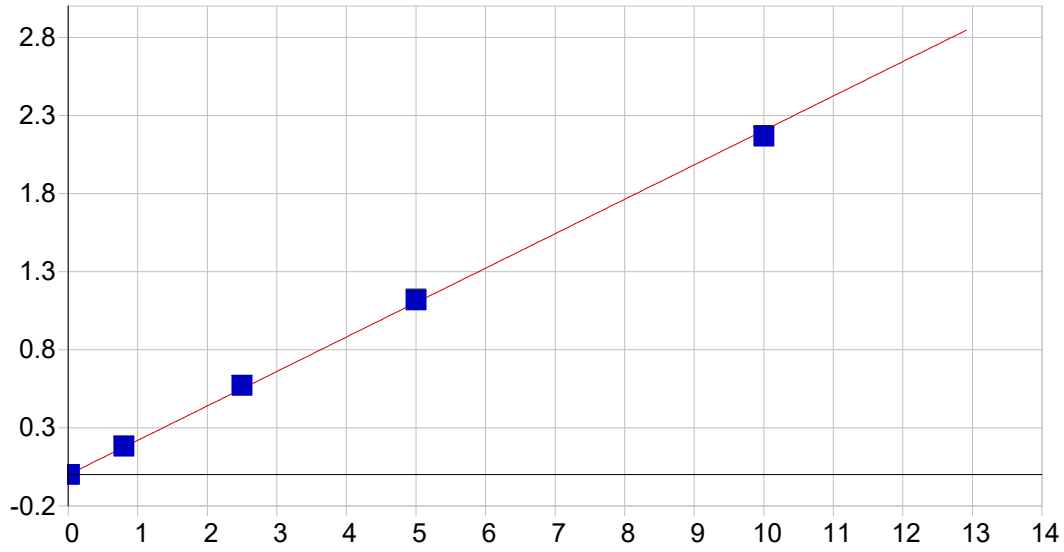
Si 288.158 {117}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000337	Re-Slope:	1.000000
A1 (Gain):	0.003432	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999059	Status:	OK.
Std Error of Est:	0.000016		
Predicted MDL:	0.015445		
Predicted MQL:	0.051483		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00013	.000	.000	.00034	.000	1
S1	.40000	.31554	-.084	-21.1	.00142	.000	1
S3	2.5000	2.4298	-.070	-2.81	.00880	.000	1
S4	5.0000	4.9547	-.045	-.905	.01760	.000	1
S5	10.000	10.280	.280	2.80	.03613	.001	1
S2	.80000	.71910	-.081	-10.1	.00285	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



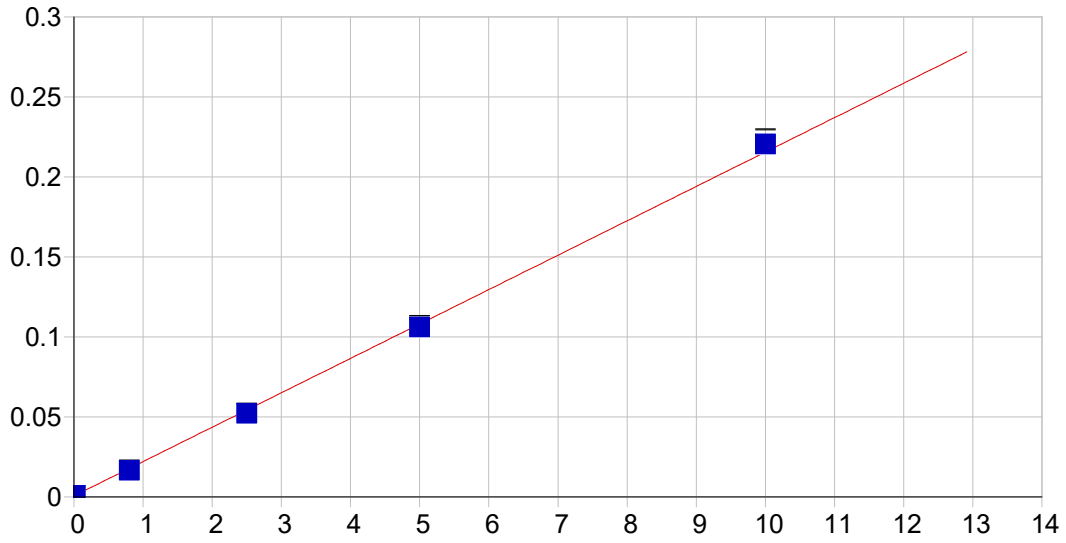
P 177.495 {490}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000718	Re-Slope:	1.000000
A1 (Gain):	0.220439	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999360	Status:	OK.
Std Error of Est:	0.000185		
Predicted MDL:	0.000454		
Predicted MQL:	0.001513		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	-.00071	.000	1
S1	.02000	.00269	-.017	-86.6	-.00012	.000	1
S3	2.5000	2.5916	.092	3.66	.57049	.001	1
S4	5.0000	5.0714	.071	1.43	1.1170	.007	1
S5	10.000	9.8254	-.175	-1.75	2.1648	.004	1
S2	.80000	.82900	.029	3.62	.18200	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



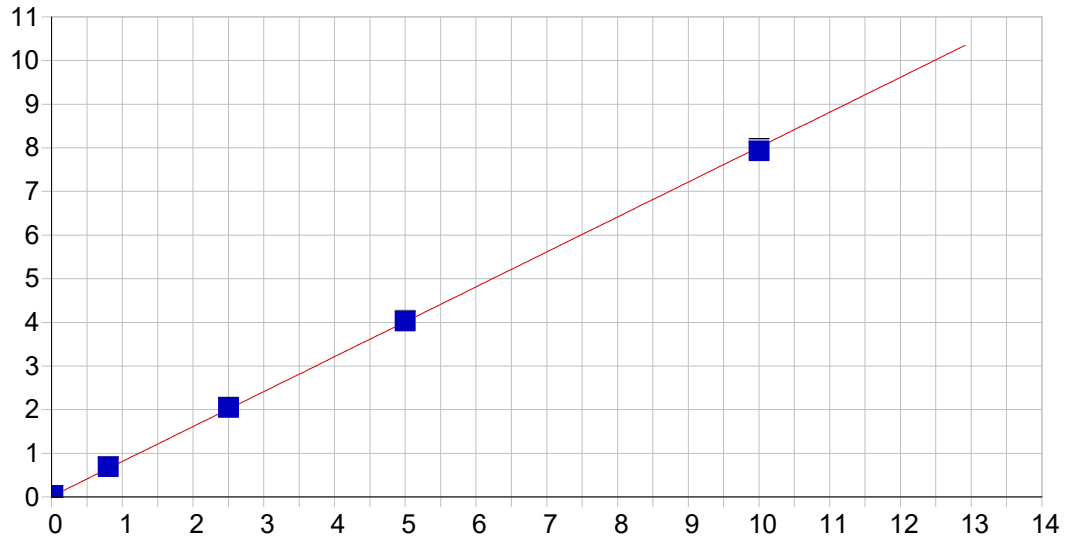
S 182.034 {485}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000591	Re-Slope:	1.000000
A1 (Gain):	0.021494	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999593	Status:	OK.
Std Error of Est:	0.000014		
Predicted MDL:	0.005409		
Predicted MQL:	0.018030		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00059	.000	1
S1	.02000	.02347	.003	17.3	.00108	.000	1
S3	2.5000	2.4032	-.097	-3.87	.05211	.000	1
S4	5.0000	4.9095	-.090	-1.81	.10584	.001	1
S5	10.000	10.236	.236	2.36	.22004	.003	1
S2	.80000	.74843	-.052	-6.45	.01663	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



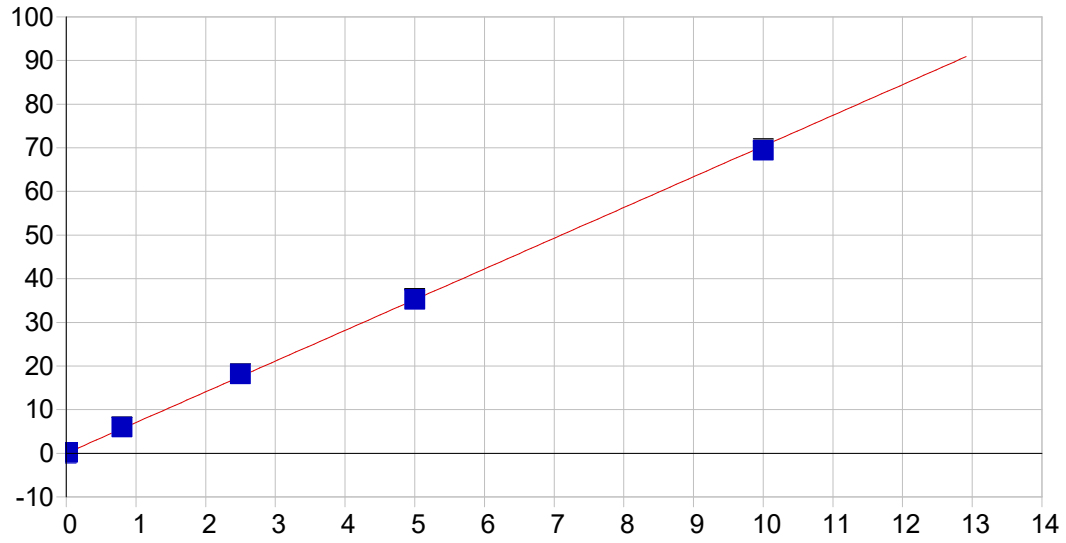
Li 670.784 { 50}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.011457	Re-Slope:	1.000000
A1 (Gain):	0.800388	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999874	Status:	OK.
Std Error of Est:	0.000298		
Predicted MDL:	0.001953		
Predicted MQL:	0.006511		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.01145	.001	1
S5	10.000	9.8937	-.106	-1.06	7.9367	.046	1
S4	5.0000	5.0191	.019	.382	4.0319	.013	1
S3	2.5000	2.5398	.040	1.59	2.0459	.009	1
S1	.02000	.02215	.002	10.8	.02947	.002	1
S2	.80000	.84516	.045	5.64	.68842	.002	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061



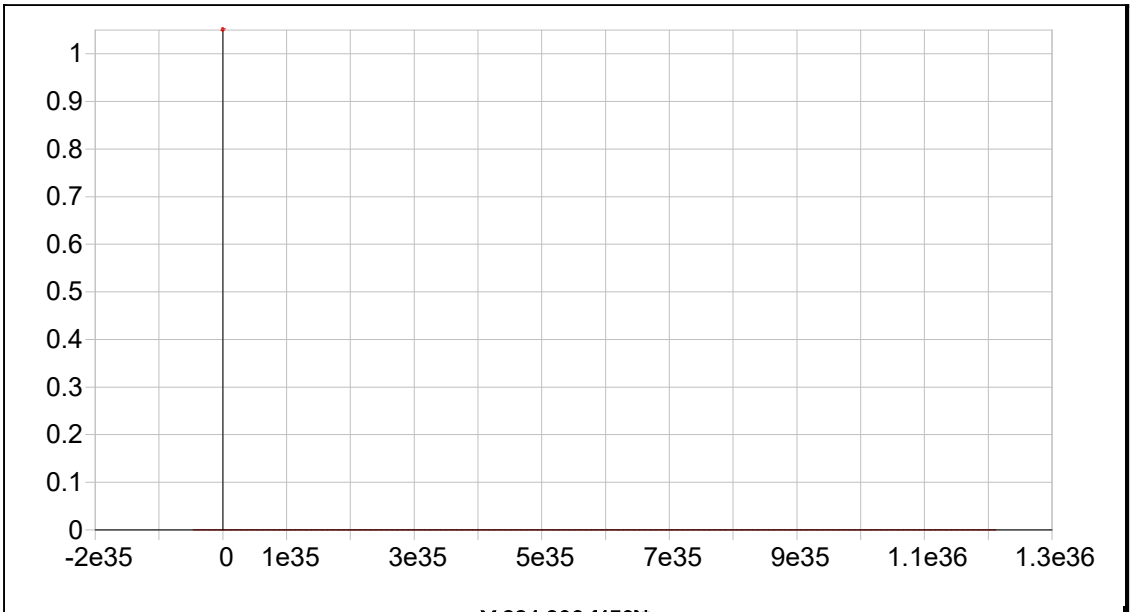
Sr 407.771 { 83}

Date of Fit:	11/24/2025 23:30:28	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000235	Re-Slope:	1.000000
A1 (Gain):	7.039688	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999789	Status:	OK.
Std Error of Est:	0.003393		
Predicted MDL:	0.000116		
Predicted MQL:	0.000386		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00027	.001	1
S1	.02000	.02280	.003	14.0	.16093	.001	1
S3	2.5000	2.5822	.082	3.29	18.195	.072	1
S4	5.0000	5.0054	.005	.109	35.270	.161	1
S5	10.000	9.8626	-.137	-1.37	69.497	.297	1
S2	.80000	.84701	.047	5.88	5.9678	.006	1

Reviewed By:
On:
Inst Id :P4
LB :LB138061

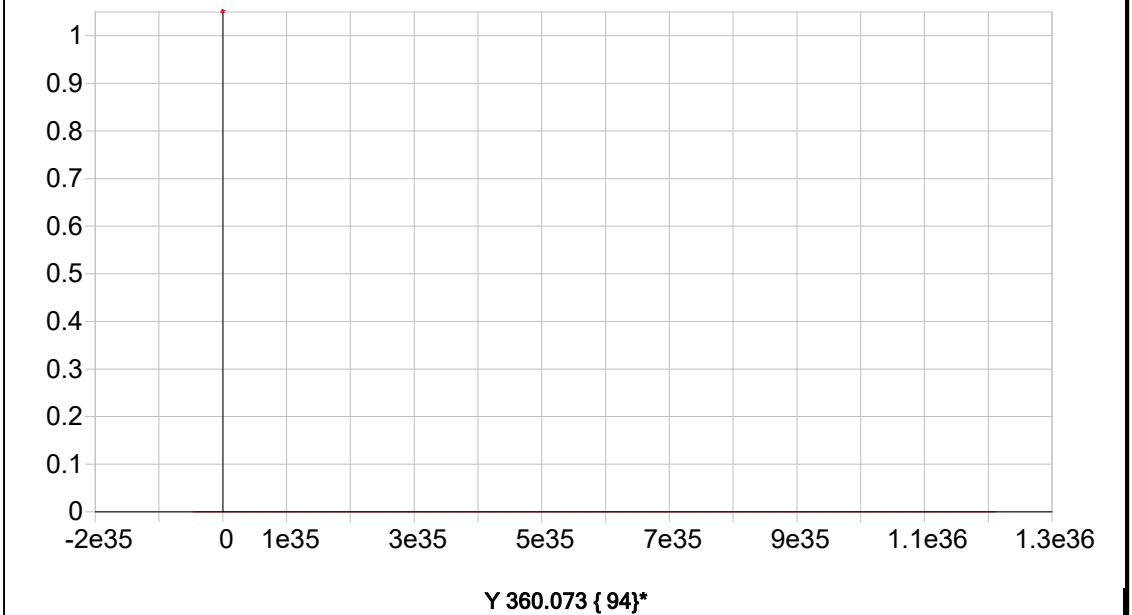


Y 224.306 {450}*

Date of Fit:	11/24/2025 23:30:28	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



Y 360.073 { 94}*

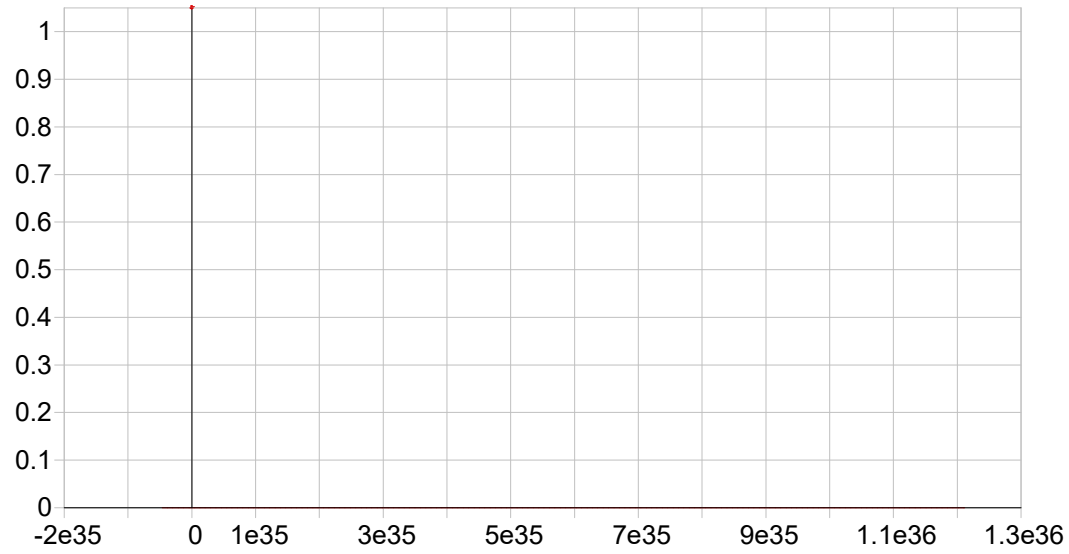
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

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

Reviewed By:
On:
Inst Id :P4
LB :LB138061

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

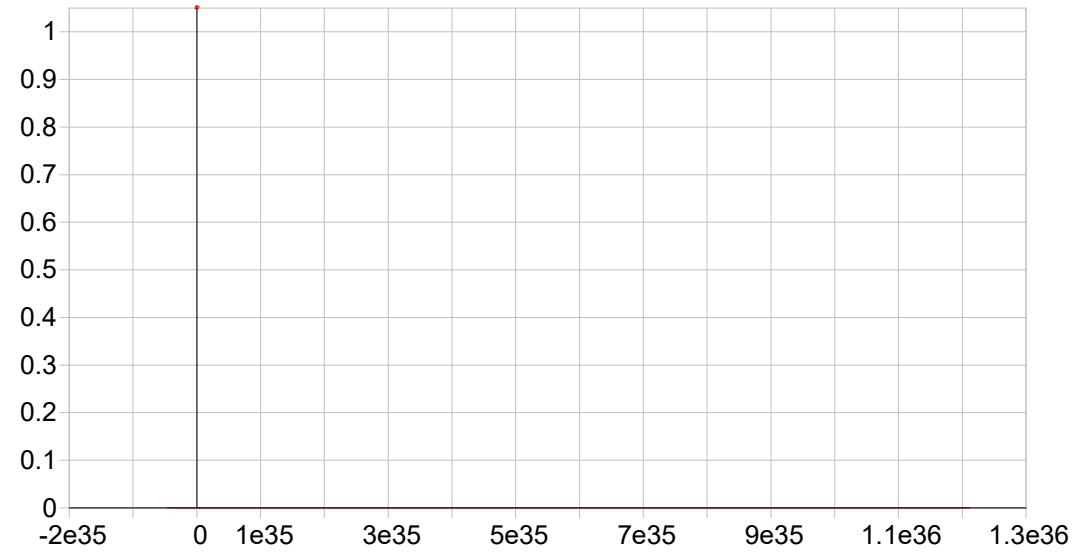


Y 371.030 { 91}*

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

Reviewed By:
On:
Inst Id :P4
LB :LB138061

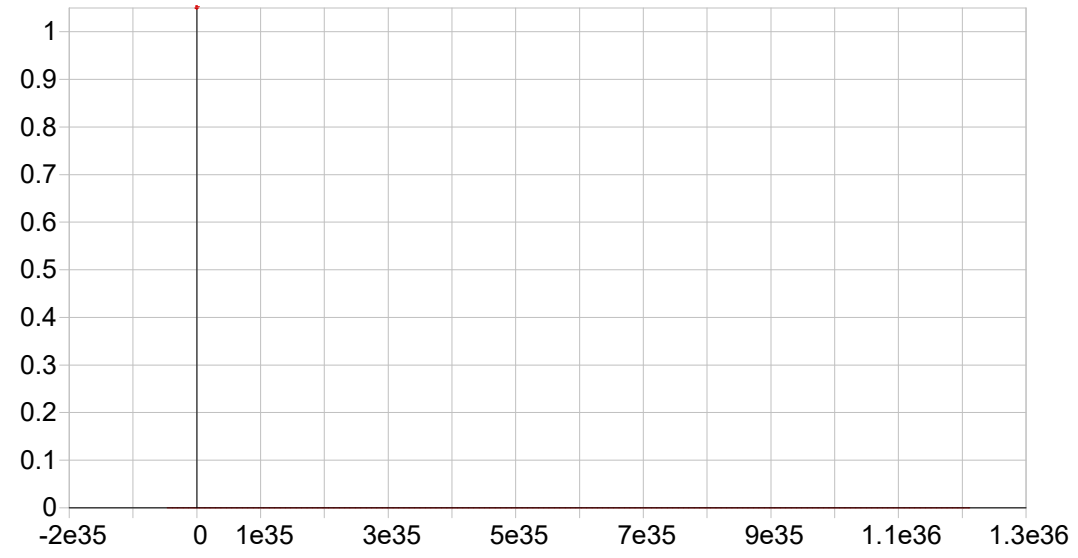


Y 224.306 {150}*

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



In 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

Reviewed By:
On:
Inst Id :P4
LB :LB138061

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**

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB170729

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete 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: 11/25/2025 **Time :** 10:50 **Temp :** 96 °C

End Digest Date: 11/25/2025 **Time :** 13:55 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKy

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared 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

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/25/25 14:55	Sky met dig	SJ (Metals Lab)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB170729

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB170729BL	PBW729	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB170729BS	LCS729	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	2
Q3716-01	MW5	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q3716-02	MW3	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q3716-02MS	MW3MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	6
Q3716-02MSD	MW3MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	7
Q3716-02DUP	MW3DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q3716-03	MW4	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8
Q3716-04	MW7	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9
Q3718-01	BASEMENT KITCHEN (1ST DRAW)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	10
Q3718-02	2ND DRAW	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	11
Q3718-03	ADULT BATHROOM (1ST DRAW)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	12
Q3718-04	2ND DRAW	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	13
Q3718-05	DRINKING FOUNTAIN (1ST DRAW)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	14
Q3718-06	2ND DRAW	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	15
Q3718-07	KIDS BATHROOM L (1ST DRAW)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	16
Q3718-08	L 2ND DRAW	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	17
Q3718-09	R (1ST DRAW)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	18
Q3718-10	R (2ND DRAW)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	19
Q3718-11	MAIN HALL (1ST DRAW)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	20
Q3718-12	L (2ND DRAW)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	21
Q3718-13	R (1ST DRAW)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	22
Q3718-14	R (2ND DRAW)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	23

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB170729 **WorkList ID :** 193342 **Department :** Digestion **Date :** 11-25-2025 09:56:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3716-01	MW5	Water	Metals Group4	1:1 HNO3 to pH < 2	GENV01	E22	11/24/2025	6010D
Q3716-02	MW3	Water	Metals Group4	1:1 HNO3 to pH < 2	GENV01	E22	11/24/2025	6010D
Q3716-03	MW4	Water	Metals Group4	1:1 HNO3 to pH < 2	GENV01	E22	11/24/2025	6010D
Q3716-04	MW7	Water	Metals Group4	1:1 HNO3 to pH < 2	GENV01	E22	11/24/2025	6010D
Q3718-01	Basement Kitchen (1st draw)	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-02	2nd draw	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-03	Adult Bathroom (1st draw)	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-04	2nd draw	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-05	Drinking Fountain (1st draw)	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-06	2nd draw	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-07	Kids Bathroom L (1st draw)	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-08	L 2nd draw	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-09	R (1st draw)	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-10	R (2nd draw)	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-11	Main Hall (1st draw)	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-12	L (2nd draw)	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-13	R (1st draw)	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D
Q3718-14	R (2nd draw)	Water	Metals Group3	1:1 HNO3 to pH < 2	TOTA02	E61	11/24/2025	6010D

Date/Time 11/25/2025 10:20
Raw Sample Received by: SKS met dig
Raw Sample Relinquished by: CP (SM)

Date/Time 11/25/2025 11:20
Raw Sample Received by: CP (SM)
Raw Sample Relinquished by: SKS met dig

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB138061

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard	
ICV Standard	
CCV Standard	
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/26/25 12:53		Jaswal	OK
2	S1	S1	CAL2	11/26/25 12:57		Jaswal	OK
3	S2	S2	CAL3	11/26/25 13:02		Jaswal	OK
4	S3	S3	CAL4	11/26/25 13:06		Jaswal	OK
5	S4	S4	CAL5	11/26/25 13:10		Jaswal	OK
6	S5	S5	CAL6	11/26/25 13:14		Jaswal	OK
7	ICV01	ICV01	ICV	11/26/25 13:18		Jaswal	OK
8	LLICV01	LLICV01	LLICV	11/26/25 13:22		Jaswal	OK
9	ICB01	ICB01	ICB	11/26/25 13:26		Jaswal	OK
10	CRI01	CRI01	CRDL	11/26/25 13:31		Jaswal	OK
11	ICSA01	ICSA01	ICSA	11/26/25 13:35		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	11/26/25 13:39		Jaswal	OK
13	ICSADL	ICSADL	ICSA	11/26/25 13:43		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	11/26/25 13:48		Jaswal	OK
15	CCV01	CCV01	CCV	11/26/25 14:18		Jaswal	OK
16	CCB01	CCB01	CCB	11/26/25 14:22		Jaswal	OK
17	PB170729BL	PB170729BL	MB	11/26/25 14:26		Jaswal	OK
18	PB170729BS	PB170729BS	LCS	11/26/25 14:30		Jaswal	OK

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB138061

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard	
ICV Standard	
CCV Standard	
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	

19	PB170744BL	PB170744BL	MB	11/26/25 14:51		Jaswal	OK
20	PB170744BS	PB170744BS	LCS	11/26/25 14:56		Jaswal	OK
21	Q3721-01	EO-2-112525	SAM	11/26/25 15:14		Jaswal	OK
22	Q3723-01	CC-1-112525	SAM	11/26/25 15:18		Jaswal	OK
23	Q3722-01	257400	SAM	11/26/25 15:22		Jaswal	OK
24	Q3722-01DUP	257400DUP	DUP	11/26/25 15:26		Jaswal	OK
25	Q3722-01L	257400L	SD	11/26/25 15:31		Jaswal	OK
26	Q3722-01MS	257400MS	MS	11/26/25 15:35		Jaswal	OK
27	CCV02	CCV02	CCV	11/26/25 15:39		Jaswal	OK
28	CCB02	CCB02	CCB	11/26/25 15:43		Jaswal	OK
29	Q3722-01MSD	257400MSD	MSD	11/26/25 15:47		Jaswal	OK
30	Q3722-02	259319	SAM	11/26/25 15:51		Jaswal	OK
31	Q3722-01A	257400A	PS	11/26/25 15:55		Jaswal	OK
32	PB170746BL	PB170746BL	MB	11/26/25 15:59		Jaswal	OK
33	PB170746BS	PB170746BS	LCS	11/26/25 16:04		Jaswal	OK
34	Q3716-01	MW5	SAM	11/26/25 16:08		Jaswal	OK
35	Q3716-02	MW3	SAM	11/26/25 16:12		Jaswal	OK
36	Q3716-02DUP	MW3DUP	DUP	11/26/25 16:16		Jaswal	OK
37	Q3716-02L	MW3L	SD	11/26/25 16:20		Jaswal	OK
38	Q3716-02MS	MW3MS	MS	11/26/25 16:25		Jaswal	OK

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB138061

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard	
ICV Standard	
CCV Standard	
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	

39	CCV03	CCV03	CCV	11/26/25 16:29		Jaswal	OK
40	CCB03	CCB03	CCB	11/26/25 16:33		Jaswal	OK
41	LR-1	LR-1	HIGH STD	11/26/25 16:37		Jaswal	OK
42	LR-2	LR-2	HIGH STD	11/26/25 16:42		Jaswal	OK
43	LR-3	LR-3	HIGH STD	11/26/25 16:49		Jaswal	OK
44	Q3716-02MSD	MW3MSD	MSD	11/26/25 16:54		Jaswal	OK
45	Q3716-02A	MW3A	PS	11/26/25 16:58		Jaswal	OK
46	Q3716-03	MW4	SAM	11/26/25 17:02		Jaswal	OK
47	Q3716-04	MW7	SAM	11/26/25 17:06		Jaswal	OK
48	Q3718-01	Basement Kitchen (1s	SAM	11/26/25 17:12		Jaswal	OK
49	Q3718-02	2nd draw	SAM	11/26/25 17:16		Jaswal	OK
50	Q3718-03	Adult Bathroom (1st d	SAM	11/26/25 17:20		Jaswal	OK
51	CCV04	CCV04	CCV	11/26/25 17:25		Jaswal	OK
52	CCB04	CCB04	CCB	11/26/25 17:29		Jaswal	OK
53	Q3718-04	2nd draw	SAM	11/26/25 17:33		Jaswal	OK
54	Q3718-05	Drinking Fountain (1st	SAM	11/26/25 17:37		Jaswal	OK
55	Q3718-06	2nd draw	SAM	11/26/25 17:42		Jaswal	OK
56	Q3718-07	Kids Bathroom L (1st (	SAM	11/26/25 17:46		Jaswal	OK
57	Q3718-08	L 2nd draw	SAM	11/26/25 17:50		Jaswal	OK
58	Q3718-09	R (1st draw)	SAM	11/26/25 17:54		Jaswal	OK

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB138061

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard	
ICV Standard	
CCV Standard	
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	

59	Q3718-10	R (2nd draw)	SAM	11/26/25 17:59		Jaswal	OK
60	Q3718-11	Main Hall (1st draw)	SAM	11/26/25 18:03		Jaswal	OK
61	Q3718-12	L (2nd draw)	SAM	11/26/25 18:07		Jaswal	OK
62	Q3718-13	R (1st draw)	SAM	11/26/25 18:12		Jaswal	OK
63	CCV05	CCV05	CCV	11/26/25 18:16		Jaswal	OK
64	CCB05	CCB05	CCB	11/26/25 18:20		Jaswal	OK
65	Q3718-14	R (2nd draw)	SAM	11/26/25 18:24		Jaswal	OK
66	Q3719-01	SB-1125-10A	SAM	11/26/25 18:29		Jaswal	OK
67	Q3719-02	SB-1125-10B	SAM	11/26/25 18:33		Jaswal	OK
68	Q3719-03	SB-1125-11A	SAM	11/26/25 18:37		Jaswal	OK
69	Q3719-04	SB-1125-11B	SAM	11/26/25 18:41		Jaswal	OK
70	Q3719-05	SB-1125-12A	SAM	11/26/25 18:45		Jaswal	OK
71	Q3719-06	SB-1125-12B	SAM	11/26/25 18:49		Jaswal	OK
72	Q3719-07	SB-1125-14A	SAM	11/26/25 18:55		Jaswal	OK
73	Q3719-08	SB-1125-14B	SAM	11/26/25 18:59		Jaswal	OK
74	Q3719-09	SB-1125-15A	SAM	11/26/25 19:03		Jaswal	OK
75	CCV06	CCV06	CCV	11/26/25 19:07		Jaswal	OK
76	CCB06	CCB06	CCB	11/26/25 19:11		Jaswal	OK
77	Q3719-10	SB-1125-15B	SAM	11/26/25 19:16		Jaswal	OK
78	Q3719-11	SB-1125-16A	SAM	11/26/25 19:20		Jaswal	OK

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB138061

Review By	Review On
Supervise By	Supervise On

STD. NAME	STD REF.#
ICAL Standard	
ICV Standard	
CCV Standard	
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	

79	Q3719-12	SB-1125-16B	SAM	11/26/25 19:24		Jaswal	OK
80	Q3719-13	SB-1125-17A	SAM	11/26/25 19:28		Jaswal	OK
81	Q3719-14	SB-1125-17B	SAM	11/26/25 19:32		Jaswal	OK
82	Q3719-14DUP	SB-1125-17BDUP	DUP	11/26/25 19:36		Jaswal	OK
83	Q3719-14L	SB-1125-17BL	SD	11/26/25 19:41		Jaswal	OK
84	Q3719-14MS	SB-1125-17BMS	MS	11/26/25 19:45		Jaswal	OK
85	Q3719-14MSD	SB-1125-17BMSD	MSD	11/26/25 19:49		Jaswal	OK
86	Q3719-14A	SB-1125-17BA	PS	11/26/25 19:53		Jaswal	OK
87	CCV07	CCV07	CCV	11/26/25 19:57		Jaswal	OK
88	CCB07	CCB07	CCB	11/26/25 20:02		Jaswal	OK
89	Q3725-01	STOCKPILE-SAMPLE	SAM	11/26/25 20:06	%Soil missing	Jaswal	OK
90	CCV08	CCV08	CCV	11/26/25 20:10		Jaswal	OK
91	CCB08	CCB08	CCB	11/26/25 20:14		Jaswal	OK

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

Prep Standard - Chemical Standard Summary

Order ID : Q3718

Test : Metals Group3

Prepbatch ID : PB170729,

Sequence ID/Qc Batch ID: LB138061,LB138061,

Standard ID :
MP87148,

Chemical ID :
M6151,M6187,M6201,M6209,W3112,

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

Metals STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
170	1:1HCL	MP87148	09/09/2025	02/17/2026	Sagar Kanani	None	None	Sarabjit Jaswal 09/10/2025

FROM 1250.00000ml of M6151 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	02/17/2026	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24H0162012	01/28/2026	08/29/2025 / Sagar	08/08/2025 / Sagar	M6187

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-2 / Laboratory Fortified Stock Solution 2, 125 ml	V2-MEB743480	10/15/2026	10/15/2025 /	07/20/2025 / janvi	M6201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	WW-LFS-1 / Laboratory Fortified Stock Solution 1, 125 ml	V2-MEB752149	10/15/2026	10/15/2025 / Janvi	07/20/2025 / Janvi	M6209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R-> 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities - Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities - Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities - Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities - Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities - Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities - Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities - Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities - Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities - Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities - Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities - Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Nitric Acid 69%
CMOS

M6187
R.D :- 08/08/25

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012
Manufactured Date: 2024-06-28
Retest Date: 2029-06-27
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	0.1 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	0.1 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 1 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 1 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 1 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	1 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	13 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	5 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	WW-LFS-2
Lot Number:	V2-MEB743480
Matrix:	5% (v/v) HNO3 tr. HF
Value / Analyte(s):	200 µg/mL ea: Silica,
	80 µg/mL ea: Antimony,
	70 µg/mL ea: Tin,
	40 µg/mL ea: Molybdenum,
	20 µg/mL ea: Titanium

R - 7/20/23
M6201
M6202
M6203
M6204

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	80.1 ± 0.5 µg/mL	Molybdenum, Mo	40.05 ± 0.22 µg/mL
Silica, SiO2	200.3 ± 1.4 µg/mL	Tin, Sn	70.1 ± 0.4 µg/mL
Titanium, Ti	20.03 ± 0.12 µg/mL		

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Sb	ICP Assay	3102a	140911
SiO2	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	traceable to 3162a	T2-TI725816

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

May 07, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- May 07, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor

Certificate Approved By:

Thomas Kozikowski
Stock VS Manager

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

INORGANIC VENTURES™

Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 863.01 ACCREDITED Reference Material Producer Certificate 863.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	WW-LFS-1
Lot Number:	W2-MEB752149
Matrix:	5% (v/v) HNO3

R -> 7/20/23

M6209
M6210
M6211
M6212

Value / Analyte(s):		
	1 000 µg/mL ea:	
	Potassium,	
	600 µg/mL ea:	
	Phosphorus,	
	300 µg/mL ea:	
	Sodium,	Iron,
	200 µg/mL ea:	
	Magnesium,	Aluminum,
	Cerium,	Selenium,
	Thallium,	
	100 µg/mL ea:	
	Lead,	Calcium,
	80 µg/mL ea:	
	Arsenic,	
	70 µg/mL ea:	
	Mercury,	
	50 µg/mL ea:	
	Nickel,	
	40 µg/mL ea:	
	Chromium,	
	30 µg/mL ea:	
	Copper,	Boron,
	Vanadium,	
	20 µg/mL ea:	
	Zinc,	Strontium,
	Barium,	Beryllium,
	Cadmium,	Cobalt,
	Manganese,	Lithium,
	7.5 µg/mL ea:	
	Silver	

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	200.2 ± 0.7 µg/mL	Arsenic, As	80.1 ± 0.5 µg/mL
Barium, Ba	20.02 ± 0.12 µg/mL	Beryllium, Be	20.02 ± 0.11 µg/mL
Boron, B	30.02 ± 0.15 µg/mL	Cadmium, Cd	20.04 ± 0.09 µg/mL
Calcium, Ca	100.1 ± 0.3 µg/mL	Cerium, Ce	200.2 ± 1.0 µg/mL
Chromium, Cr	40.02 ± 0.26 µg/mL	Cobalt, Co	20.03 ± 0.09 µg/mL
Copper, Cu	30.03 ± 0.13 µg/mL	Iron, Fe	300.3 ± 1.3 µg/mL
Lead, Pb	100.1 ± 0.5 µg/mL	Lithium, Li	20.03 ± 0.09 µg/mL
Magnesium, Mg	200.2 ± 0.9 µg/mL	Manganese, Mn	19.99 ± 0.09 µg/mL
Mercury, Hg	70.0 ± 0.3 µg/mL	Nickel, Ni	50.05 ± 0.22 µg/mL
Phosphorus, P	600.5 ± 2.9 µg/mL	Potassium, K	1 001 ± 4 µg/mL
Selenium, Se	200.2 ± 1.1 µg/mL	Silver, Ag	7.52 ± 0.03 µg/mL
Sodium, Na	300.3 ± 1.3 µg/mL	Strontium, Sr	20.02 ± 0.10 µg/mL
Thallium, Tl	200.2 ± 1.0 µg/mL	Vanadium, V	30.02 ± 0.13 µg/mL
Zinc, Zn	20.05 ± 0.09 µg/mL		

Density: 1.037 g/mL (measured at 20 ± 5 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
B	ICP Assay	3107	190605
B	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Ce	ICP Assay	3110	160830
Ce	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Hg	ICP Assay	3133	160921
Hg	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Tl	ICP Assay	3158	151215
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 25° C to minimize the effects of transpiration. Use at 20° ± 5° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information (https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver)

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 08, 2025

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- April 08, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Justin Dirico
Stock Processing Supervisor

Certificate Approved By:

Jodie Wall
Stock VSM Coordinator

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q 3718
COC Number 2047304

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Total Quality Environmental
ADDRESS: 116 Bay 19th Street
CITY Brooklyn STATE: NY ZIP: 11214
ATTENTION: A. Rukasov
PHONE: 718-873-1411 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: 255.2701 LOCATION: NYC
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

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 + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

pb

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Basement, Kitchen (1st draw)				11/24	13:00		✓									
2.	↓ ↓ (2nd draw)				11/24	13:00		✓									
3.	Adult Bathroom (1st draw)				11/24	13:05		✓									
4.	↓ (2nd draw)				11/24	13:06		✓									
5.	Drinking fountain (1st draw)				11/24	13:09		✓									
6.	↓ (2nd draw)				11/24	13:10		✓									
7.	Kid's Bathroom L. (1st draw)				11/24	13:13		✓									
8.	L. (2nd draw)				11/24	13:14		✓									
9.	R. (1st draw)				11/24	13:17		✓									
10.	↓ R. (2nd draw)				11/24	13:17		✓									

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME	RECEIVED BY:
1.	11/25/25 9:00	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2-5 °C
Comments: IR Cont'd

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q 3718
COC Number 2047305

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Total Quality Enviromental
ADDRESS: 116 Bay 19th Street
CITY Brooklyn STATE: NY ZIP: 11214
ATTENTION: A. Rukasov
PHONE: 718-873-1411 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: 255.27.01 LOCATION: NYC
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

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 + Raw Data) ❑ NYS ASP A ❑ NYS ASP B ❑ Other _____
❑ EDD FORMAT _____

ANALYSIS

PLs

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
11	Main Hall L. (1st draw)				11/24	13:20		✓									
12	L. (2nd draw)				11/24	13:21		✓									
13	R. (1st draw)				11/24	13:24		✓									
14	R. (2nd draw)				11/24	13:25		✓									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	9:00 11/25/24	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2-5 °C
Comments: Ice in 1

Page 2 of 2

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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