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

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LAB CHRONICLE

OrderID:	Q3144	**OrderDate:**	9/19/2025 9:37:00 AM
Client:	Safety Environmental Co. of NY, Inc.	**Project:**	Kids R First Pre School 2nd Floor Trenton
Contact:	Francis Owoh	**Location:**	J22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3144-01	**Mens Bathroom 1St Run**	**Water**			**09/18/25**			**09/18/25**
			Metals Group3	200.7		09/22/25	09/22/25	
Q3144-02	**Men Bathroom 2nd Run**	**Water**			**09/18/25**			**09/18/25**
			Metals Group3	200.7		09/22/25	09/22/25	
Q3144-03	**Classroom I 1St Run**	**Water**			**09/18/25**			**09/18/25**
			Metals Group3	200.7		09/22/25	09/22/25	
Q3144-04	**Classroom I 2nd Run**	**Water**			**09/18/25**			**09/18/25**
			Metals Group3	200.7		09/22/25	09/22/25	
Q3144-05	**Ladies Bathroom 1St Run**	**Water**			**09/18/25**			**09/18/25**
			Metals Group3	200.7		09/22/25	09/22/25	
Q3144-06	**Ladies Bathroom 2nd Run**	**Water**			**09/18/25**			**09/18/25**
			Metals Group3	200.7		09/22/25	09/22/25	
Q3144-07	**Fountain 1St Run**	**Water**			**09/18/25**			**09/18/25**
			Metals Group3	200.7		09/22/25	09/22/25	
Q3144-08	**Fountain 2nd Run**	**Water**			**09/18/25**			**09/18/25**
			Metals Group3	200.7		09/22/25	09/22/25	
Q3144-09	**Classroom 4 1St Run**	**Water**			**09/18/25**			**09/18/25**
			Metals Group3	200.7		09/22/25	09/22/25	
Q3144-10	**Classroom 4 2nd Run**	**Water**			**09/18/25**			**09/18/25**
			Metals Group3	200.7		09/22/25	09/22/25	

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LAB CHRONICLE

Q3144-11	**Classroom I Bathroom 1St Run**	**Water**				**09/18/25**			**09/18/25**
			Metals Group3	200.7			09/22/25	09/22/25	
Q3144-12	**Classroom I Bathroom 2nd Run**	**Water**				**09/18/25**			**09/18/25**
			Metals Group3	200.7			09/22/25	09/22/25	
Q3144-13	**Classroom 2 Sink 1St Run**	**Water**				**09/18/25**			**09/18/25**
			Metals Group3	200.7			09/22/25	09/22/25	
Q3144-14	**Classroom 2 Sink 2nd Run**	**Water**				**09/18/25**			**09/18/25**
			Metals Group3	200.7			09/22/25	09/22/25	
Q3144-15	**Classroom 2 Bathroom 1St Run**	**Water**				**09/18/25**			**09/18/25**
			Metals Group3	200.7			09/22/25	09/22/25	
Q3144-16	**Classroom 2 Bathroom 2nd Run**	**Water**				**09/18/25**			**09/18/25**
			Metals Group3	200.7			09/22/25	09/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3144 **Order ID:** Q3144

Client: Safety Environmental Co. of NY, Inc. **Project ID:** Kids R First Pre School 2nd Floor Trenton

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Mens Bathroom 1St Run								
Q3144-01	Mens Bathroom 1St Run	Water	Lead	7.04		1.21	6.00	ug/L
Client ID : Men Bathroom 2nd Run								
Q3144-02	Men Bathroom 2nd Run	Water	Lead	2.50	J	1.21	6.00	ug/L
Client ID : Classroom I 1St Run								
Q3144-03	Classroom I 1St Run	Water	Lead	21.3		1.21	6.00	ug/L
Client ID : Classroom I 2nd Run								
Q3144-04	Classroom I 2nd Run	Water	Lead	3.89	J	1.21	6.00	ug/L
Client ID : Ladies Bathroom 1St Run								
Q3144-05	Ladies Bathroom 1St Run	Water	Lead	2.15	J	1.21	6.00	ug/L
Client ID : Ladies Bathroom 2nd Run								
Q3144-06	Ladies Bathroom 2nd Run	Water	Lead	1.99	J	1.21	6.00	ug/L
Client ID : Fountain 1St Run								
Q3144-07	Fountain 1St Run	Water	Lead	2.62	J	1.21	6.00	ug/L
Client ID : Fountain 2nd Run								
Q3144-08	Fountain 2nd Run	Water	Lead	1.48	J	1.21	6.00	ug/L
Client ID : Classroom 4 1St Run								
Q3144-09	Classroom 4 1St Run	Water	Lead	3.63	J	1.21	6.00	ug/L
Client ID : Classroom 4 2nd Run								
Q3144-10	Classroom 4 2nd Run	Water	Lead	2.06	J	1.21	6.00	ug/L
Client ID : Classroom I Bathroom 1St Run								
Q3144-11	Classroom I Bathroom 1St Run	Water	Lead	1.21	J	1.21	6.00	ug/L
Client ID : Classroom I Bathroom 2nd Run								
Q3144-12	Classroom I Bathroom 2nd Run	Water	Lead	1.44	J	1.21	6.00	ug/L
Client ID : Classroom 2 Sink 1St Run								
Q3144-13	Classroom 2 Sink 1St Run	Water	Lead	2.33	J	1.21	6.00	ug/L
Client ID : Classroom 2 Sink 2nd Run								
Q3144-14	Classroom 2 Sink 2nd Run	Water	Lead	2.65	J	1.21	6.00	ug/L
Client ID : Classroom 2 Bathroom 2nd Run								

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Hit Summary Sheet
SW-846

SDG No.:	Q3144	**Order ID:**	Q3144
Client:	Safety Environmental Co. of NY, Inc.	**Project ID:**	Kids R First Pre School 2nd Floor Trenton

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3144-16	Classroom 2 Bathroom 2nd Run	Water	Lead	1.40	J	1.21	6.00	ug/L

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SAMPLE DATA

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Mens Bathroom 1St Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-01	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	7.04		1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 14:21	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Men Bathroom 2nd Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-02	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	2.50	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 14:25	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Classroom I 1St Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-03	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	21.3		1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 14:29	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Classroom I 2nd Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-04	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	3.89	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 15:01	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Ladies Bathroom 1St Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-05	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	2.15	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 15:05	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Ladies Bathroom 2nd Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-06	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	1.99	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 15:09	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Fountain 1St Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-07	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	2.62	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 15:14	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Fountain 2nd Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-08	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	1.48	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 15:18	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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
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E = Indicates the reported value is estimated because of the presence of interference.
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Classroom 4 1St Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-09	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	3.63	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 15:22	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

U = Not Detected
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Classroom 4 2nd Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-10	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	2.06	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 15:26	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

U = Not Detected
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MDL = Method Detection Limit
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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Classroom I Bathroom 1St Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-11	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	1.21	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 15:30	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Classroom I Bathroom 2nd Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-12	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	1.44	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 15:34	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Classroom 2 Sink 1St Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-13	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	2.33	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 15:54	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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
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Fax : 908 789 8922

Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Classroom 2 Sink 2nd Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-14	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	2.65	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 15:58	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Classroom 2 Bathroom 1St Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-15	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	1.21	U	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 16:02	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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

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Report of Analysis

Client:	Safety Environmental Co. of NY, Inc.	Date Collected:	09/18/25
Project:	Kids R First Pre School 2nd Floor Trenton	Date Received:	09/18/25
Client Sample ID:	Classroom 2 Bathroom 2nd Run	SDG No.:	Q3144
Lab Sample ID:	Q3144-16	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	1.40	J	1	1.21	6.00	ug/L	09/22/25 12:35	09/22/25 16:06	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group3				

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

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Safety Environmental Co. of NY, Inc. **SDG No.:** Q3144

Contract: SAFE04 **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	3850	4000	96	95 - 105	P	09/22/2025	12:31	LB137271

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Safety Environmental Co. of NY, Inc. **SDG No.:** Q3144

Contract: SAFE04 **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	12.3	12.0	102	80 - 120	P	09/22/2025	12:48	LB137271

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Safety Environmental Co. of NY, Inc. **SDG No.:** Q3144

Contract: SAFE04 **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	99	90 - 110	P	09/22/2025	13:36	LB137271
CCV02	Lead	4880	5000	98	90 - 110	P	09/22/2025	14:48	LB137271
CCV03	Lead	4790	5000	96	90 - 110	P	09/22/2025	15:46	LB137271
CCV04	Lead	4790	5000	96	90 - 110	P	09/22/2025	16:27	LB137271
CCV05	Lead	5020	5000	100	90 - 110	P	09/22/2025	16:43	LB137271
CCV06	Lead	4890	5000	98	90 - 110	P	09/22/2025	17:49	LB137271
CCV07	Lead	5070	5000	101	90 - 110	P	09/22/2025	18:49	LB137271

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Safety Environmental Co. of NY, Inc. **SDG No.:** Q3144

Contract: SAFE04 **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	13.9	12.0	116	65 - 135	P	09/22/2025	13:05	LB137271

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Safety Environmental Co. of NY, Inc. **SDG No.:** Q3144

Contract: SAFE04 **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	09/22/2025	12:54	LB137271

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Safety Environmental Co. of NY, Inc. **SDG No.:** Q3144

Contract: SAFE04 **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	09/22/2025	13:42	LB137271
CCB02	Lead	2.30	+/-6	U	12.0	P	09/22/2025	14:52	LB137271
CCB03	Lead	2.30	+/-6	U	12.0	P	09/22/2025	15:50	LB137271
CCB04	Lead	2.30	+/-6	U	12.0	P	09/22/2025	16:31	LB137271
CCB05	Lead	2.30	+/-6	U	12.0	P	09/22/2025	16:47	LB137271
CCB06	Lead	2.30	+/-6	U	12.0	P	09/22/2025	17:53	LB137271
CCB07	Lead	2.30	+/-6	U	12.0	P	09/22/2025	19:08	LB137271

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Safety Environmental Co. of NY, Inc. **SDG No.:** Q3144

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169779BL		**WATER**		**Batch Number:**	**PB169779**		**Prep Date:**	**09/22/2025**	
	Lead	1.21	<3	U	6.00	P	09/22/2025	14:33	LB137271

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Safety Environmental Co. of NY, Inc. **SDG No.:** Q3144

Contract: SAFE04 **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	-6.20			-12	12	09/22/2025	13:10	LB137271
ICSAB01	Lead	45.3	49.0	92	37	61	09/22/2025	13:14	LB137271
ICSA	Lead	22.4			-12	12	09/22/2025	13:22	LB137271
ICSAB	Lead	57.9	49.0	118	37	61	09/22/2025	13:26	LB137271

METAL
QC
DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Safety Environmental Co. of NY, Inc. **level:** low **sdg no.:** Q3144

contract: SAFE04 **lab code:** ACE

matrix: Water **sample id:** Q3149-02 **client id:** 002 35th Ave(Aug)MS

Percent Solids for Sample: NA **Spiked ID:** Q3149-02MS **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	513		1.37	J	500	102		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Safety Environmental Co. of NY, Inc. **level:** low **sdg no.:** Q3144

contract: SAFE04 **lab code:** ACE

matrix: Water **sample id:** Q3149-02 **client id:** 002 35th Ave(Aug)MSD

Percent Solids for Sample: NA **Spiked ID:** Q3149-02MSD **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	485		1.37	J	500	97		P

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Metals
- 5b -

Client: Safety Environmental Co. of NY, Inc. **SDG No.:** Q3144

Contract: SAFE04 **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

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Safety Environmental Co. of NY, Inc. **Level:** LOW **SDG No.:** Q3144

Contract: SAFE04 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3149-02 **Client ID:** 002 35th Ave(Aug)DUP

Percent Solids for Sample: NA **Duplicate ID** Q3149-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Lead	ug/L	20	1.37	J	1.30	J	5		P

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

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Safety Environmental Co. of NY, Inc. **Level:** LOW **SDG No.:** Q3144

Contract: SAFE04 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3149-02MS **Client ID:** 002 35th Ave(Aug)MSD

Percent Solids for Sample: NA **Duplicate ID** Q3149-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Lead	ug/L	20	513		485		6		P

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

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Safety Environmental Co. of NY, Inc. **SDG No.:** Q3144

Contract: SAFE04 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169779BS							
Lead	ug/L	500	477		95	85 - 115	P

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

002 35th Ave(Aug)L

Lab Name: Alliance **Contract:** SAFE04

Lab Code: ACE **Lb No.:** lb137271 **Lab Sample ID :** Q3149-02L **SDG No.:** Q3144

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	1.37	J	30.0	U	100.0		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Safety Environmental Co. of NY, Inc.

SDG No.: Q3144

Contract: SAFE04

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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Safety Environmental Co. of NY, Inc.

SDG No.: Q3144

Contract: SAFE04

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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Safety Environmental Co. of NY, Inc.

SDG No.: Q3144

Contract: SAFE04

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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Safety Environmental Co. of NY, Inc.

SDG No.: Q3144

Contract: SAFE04

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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Safety Environmental Co. of NY, Inc.

SDG No.: Q3144

Contract: SAFE04

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

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Safety Environmental Co. of NY, Inc. **SDG No.:** Q3144

Contract: SAFE04 **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:	**PB169779**						
PB169779BL	PB169779BL	MB	WATER	09/22/2025	50.0	25.0	
PB169779BS	PB169779BS	LCS	WATER	09/22/2025	50.0	25.0	
Q3144-01	Mens Bathroom 1St Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-02	Men Bathroom 2nd Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-03	Classroom I 1St Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-04	Classroom I 2nd Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-05	Ladies Bathroom 1St Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-06	Ladies Bathroom 2nd Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-07	Fountain 1St Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-08	Fountain 2nd Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-09	Classroom 4 1St Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-10	Classroom 4 2nd Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-11	Classroom I Bathroom 1St Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-12	Classroom I Bathroom 2nd Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-13	Classroom 2 Sink 1St Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-14	Classroom 2 Sink 2nd Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-15	Classroom 2 Bathroom 1St Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3144-16	Classroom 2 Bathroom 2nd Run	SAM	WATER	09/22/2025	50.0	25.0	
Q3149-02DUP	002 35th Ave(Aug)DUP	DUP	WATER	09/22/2025	50.0	25.0	
Q3149-02MS	002 35th Ave(Aug)MS	MS	WATER	09/22/2025	50.0	25.0	
Q3149-02MSD	002 35th Ave(Aug)MSD	MSD	WATER	09/22/2025	50.0	25.0	

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metals
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ANALYSIS RUN LOG

Client: Safety Environmental Co. of NY, Inc. **Contract:** SAFE04

Lab code: ACE **Sdg no.:** Q3144

Instrument id number: **Method:** **Run number:** LB137271

Start date: 09/22/2025 **End date:** 09/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1206	Pb
S1	S1	1	1210	Pb
S2	S2	1	1214	Pb
S3	S3	1	1219	Pb
S4	S4	1	1222	Pb
S5	S5	1	1227	Pb
ICV01	ICV01	1	1231	Pb
LLICV01	LLICV01	1	1248	Pb
ICB01	ICB01	1	1254	Pb
CRI01	CRI01	1	1305	Pb
ICSA01	ICSA01	1	1310	Pb
ICSAB01	ICSAB01	1	1314	Pb
ICSA	ICSA	20	1322	Pb
ICSAB	ICSAB	20	1326	Pb
CCV01	CCV01	1	1336	Pb
CCB01	CCB01	1	1342	Pb
PB169779BS	PB169779BS	1	1409	Pb
Q3144-01	Mens Bathroom 1St Run	1	1421	Pb
Q3144-02	Men Bathroom 2nd Run	1	1425	Pb
Q3144-03	Classroom I 1St Run	1	1429	Pb
PB169779BL	PB169779BL	1	1433	Pb
CCV02	CCV02	1	1448	Pb
CCB02	CCB02	1	1452	Pb
Q3144-04	Classroom I 2nd Run	1	1501	Pb
Q3144-05	Ladies Bathroom 1St Run	1	1505	Pb
Q3144-06	Ladies Bathroom 2nd Run	1	1509	Pb
Q3144-07	Fountain 1St Run	1	1514	Pb
Q3144-08	Fountain 2nd Run	1	1518	Pb
Q3144-09	Classroom 4 1St Run	1	1522	Pb
Q3144-10	Classroom 4 2nd Run	1	1526	Pb
Q3144-11	Classroom I Bathroom 1St Run	1	1530	Pb
Q3144-12	Classroom I Bathroom 2nd Run	1	1534	Pb
CCV03	CCV03	1	1546	Pb
CCB03	CCB03	1	1550	Pb
Q3144-13	Classroom 2 Sink 1St Run	1	1554	Pb
Q3144-14	Classroom 2 Sink 2nd Run	1	1558	Pb
Q3144-15	Classroom 2 Bathroom 1St Run	1	1602	Pb
Q3144-16	Classroom 2 Bathroom 2nd Ru	1	1606	Pb
CCV04	CCV04	1	1627	Pb
CCB04	CCB04	1	1631	Pb
Q3149-02DUP	002 35th Ave(Aug)DUP	1	1635	Pb

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metals
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ANALYSIS RUN LOG

Client: Safety Environmental Co. of NY, Inc. **Contract:** SAFE04

Lab code: ACE **Sdg no.:** Q3144

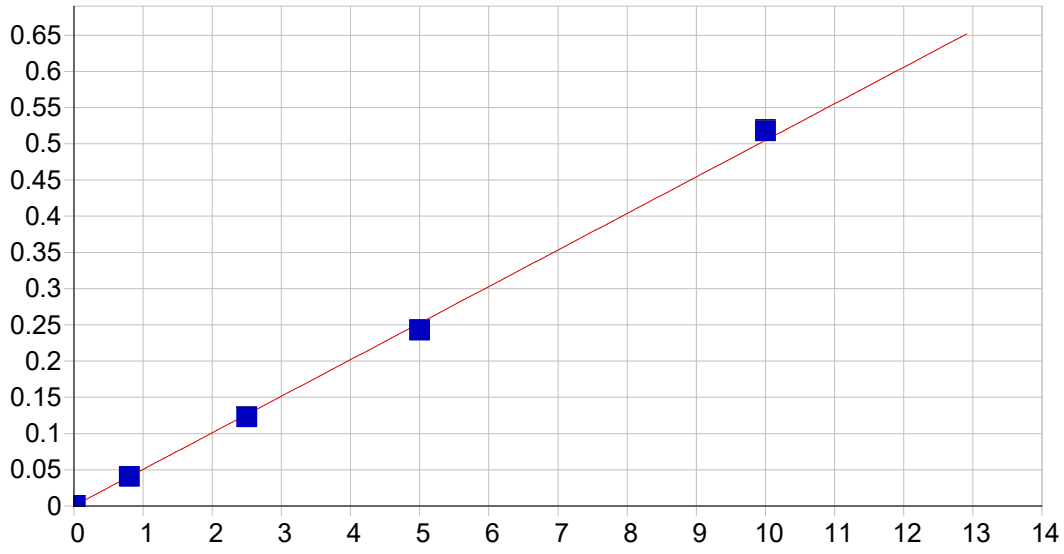
Instrument id number: **Method:** **Run number:** LB137271

Start date: 09/22/2025 **End date:** 09/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
Q3149-02L	002 35th Ave(Aug)L	5	1639	Pb
CCV05	CCV05	1	1643	Pb
CCB05	CCB05	1	1647	Pb
Q3149-02MS	002 35th Ave(Aug)MS	1	1651	Pb
Q3149-02MSD	002 35th Ave(Aug)MSD	1	1655	Pb
CCV06	CCV06	1	1749	Pb
CCB06	CCB06	1	1753	Pb
CCV07	CCV07	1	1849	Pb
CCB07	CCB07	1	1908	Pb

METAL
RAW DATA

Reviewed By:
On:
Inst Id :P4
LB :LB137271



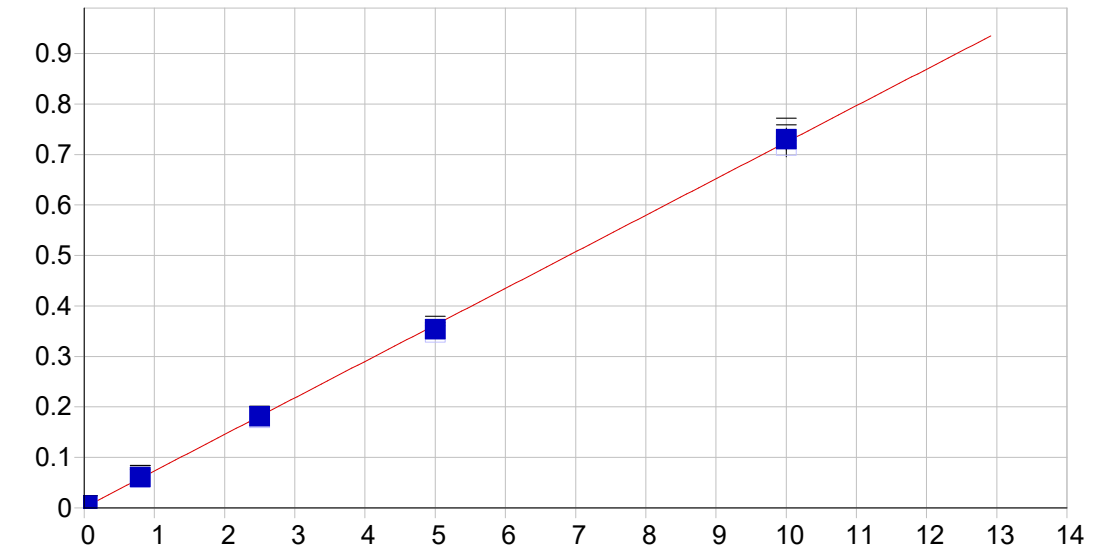
As 189.042 {479}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000121	Re-Slope:	1.000000
A1 (Gain):	0.050461	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999549	Status:	OK.
Std Error of Est:	0.000036		
Predicted MDL:	0.002847		
Predicted MQL:	0.009491		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00012	.000	1
S1	.02000	.02174	.002	8.72	.00121	.000	1
S3	2.5000	2.4299	-.070	-2.80	.12261	.001	1
S4	5.0000	4.8045	-.196	-3.91	.24230	.001	1
S5	10.000	10.259	.259	2.59	.51731	.002	1
S2	.80000	.80434	.004	.543	.04067	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



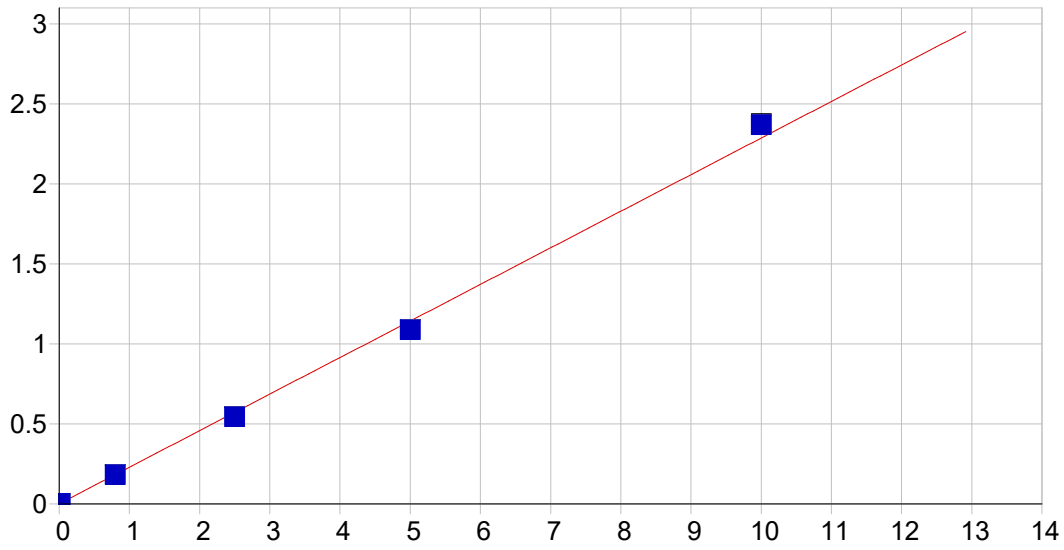
Tl 190.856 {477}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000815	Re-Slope:	1.000000
A1 (Gain):	0.072338	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999821	Status:	OK.
Std Error of Est:	0.000045		
Predicted MDL:	0.002980		
Predicted MQL:	0.009933		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00081	.000	1
S1	.04000	.04759	.008	19.0	.00407	.000	1
S3	2.5000	2.4937	-.006	-.252	.17791	.001	1
S4	5.0000	4.8807	-.119	-2.39	.34728	.006	1
S5	10.000	10.086	.086	.861	.71724	.022	1
S2	.80000	.83217	.032	4.02	.05996	.004	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



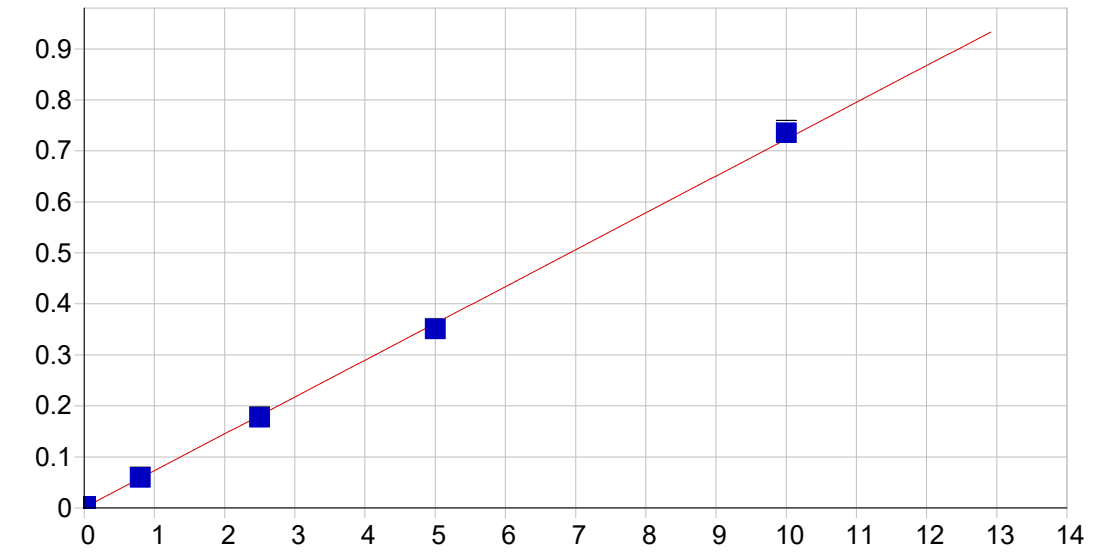
Pb 220.353 {453}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000425	Re-Slope:	1.000000
A1 (Gain):	0.228589	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999156	Status:	OK.
Std Error of Est:	0.000170		
Predicted MDL:	0.001631		
Predicted MQL:	0.005438		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00043	.000	1
S1	.01200	.01317	.001	9.75	.00338	.000	1
S3	2.5000	2.3791	-.121	-4.84	.54362	.002	1
S4	5.0000	4.7611	-.239	-4.78	1.0875	.000	1
S5	10.000	10.367	.367	3.67	2.3676	.007	1
S2	.80000	.79219	-.008	-.976	.18131	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



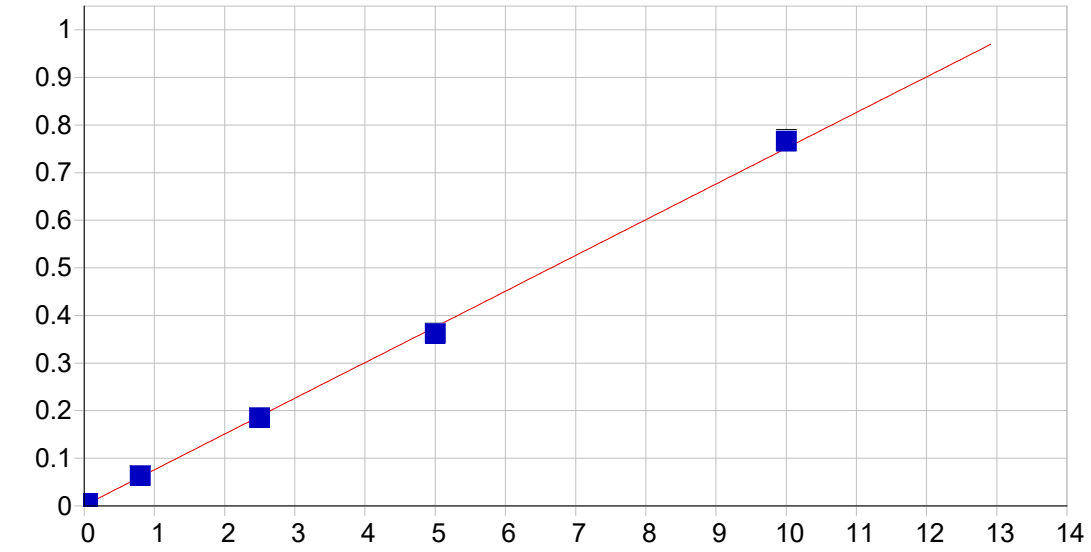
Se 196.090 {472}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000702	Re-Slope:	1.000000
A1 (Gain):	0.072208	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999756	Status:	OK.
Std Error of Est:	0.000037		
Predicted MDL:	0.003627		
Predicted MQL:	0.012091		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00070	.000	1
S1	.02000	.02140	.001	7.01	.00225	.000	1
S3	2.5000	2.4535	-.046	-1.86	.17782	.001	1
S4	5.0000	4.8505	-.149	-2.99	.35085	.001	1
S5	10.000	10.177	.177	1.77	.73536	.005	1
S2	.80000	.81760	.018	2.20	.05972	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



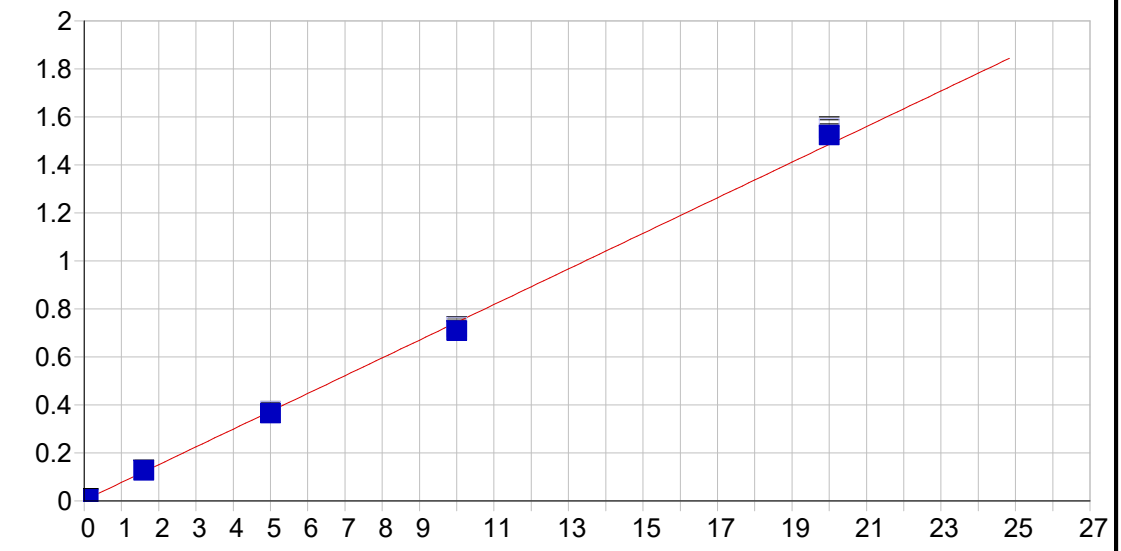
Sb 206.833 {463}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000855	Re-Slope:	1.000000
A1 (Gain):	0.075039	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999604	Status:	OK.
Std Error of Est:	0.000079		
Predicted MDL:	0.003210		
Predicted MQL:	0.010702		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00085	.000	1
S1	.05000	.05773	.008	15.5	.00519	.000	1
S3	2.5000	2.4552	-.045	-1.79	.18560	.000	1
S4	5.0000	4.8082	-.192	-3.84	.36268	.000	1
S5	10.000	10.194	.194	1.94	.76784	.002	1
S2	.80000	.83476	.035	4.35	.06366	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



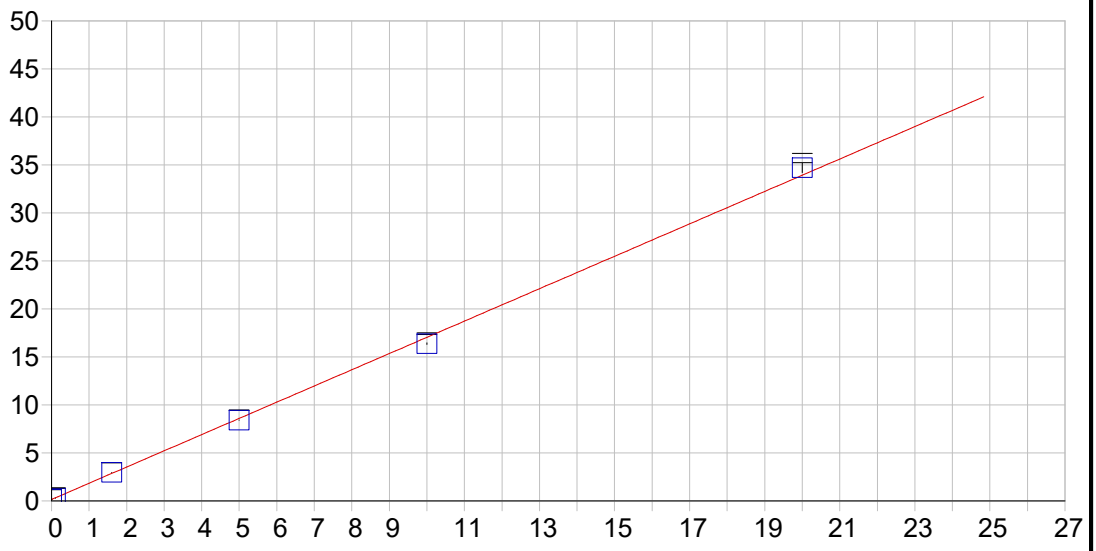
Al 396.152 { 85}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002633	Re-Slope:	1.000000
A1 (Gain):	0.074146	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999353	Status:	OK.
Std Error of Est:	0.000202		
Predicted MDL:	0.022350		
Predicted MQL:	0.074499		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	.00263	.000	1
S1	.10000	.07086	-.029	-29.1	.00846	.002	1
S3	5.0000	4.9006	-.099	-1.99	.37319	.001	1
S4	10.000	9.5350	-.465	-4.65	.72400	.002	1
S5	20.000	20.515	.515	2.57	1.5525	.006	1
S2	1.6000	1.6804	.080	5.03	.12953	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



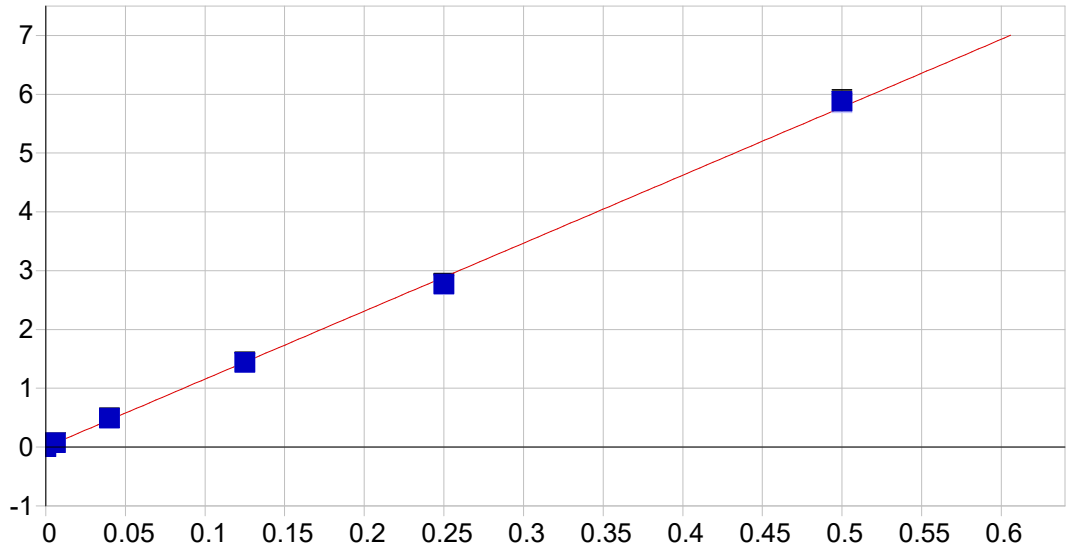
Ba 493.409 { 68}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.153541	Re-Slope:	1.000000
A1 (Gain):	1.688613	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999578	Status:	OK.
Std Error of Est:	0.003639		
Predicted MDL:	0.002261		
Predicted MQL:	0.007537		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.15356	.006	1
S1	.10000	.08998	-.010	-10.0	.30549	.024	1
S3	5.0000	4.8921	-.108	-2.16	8.4145	.030	1
S4	10.000	9.6085	-.391	-3.91	16.379	.085	1
S5	20.000	20.450	.450	2.25	34.685	.483	1
S2	1.6000	1.6596	.060	3.73	2.9560	.025	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



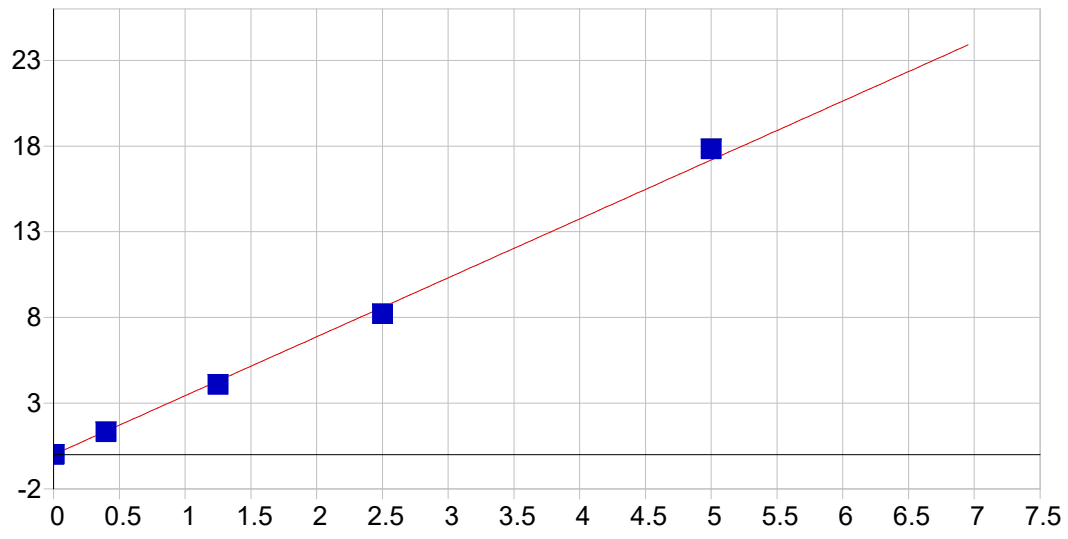
Be 234.861 {144}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000859	Re-Slope:	1.000000
A1 (Gain):	11.557279	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999624	Status:	OK.
Std Error of Est:	0.000908		
Predicted MDL:	0.000103		
Predicted MQL:	0.000345		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00086	.001	1
S1	.00600	.00609	.000	1.42	.07067	.007	1
S3	.12500	.12426	-.001	-.590	1.4305	.011	1
S4	.25000	.23986	-.010	-4.06	2.7601	.017	1
S5	.50000	.50858	.009	1.72	5.8527	.035	1
S2	.04000	.04221	.002	5.53	.48667	.007	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



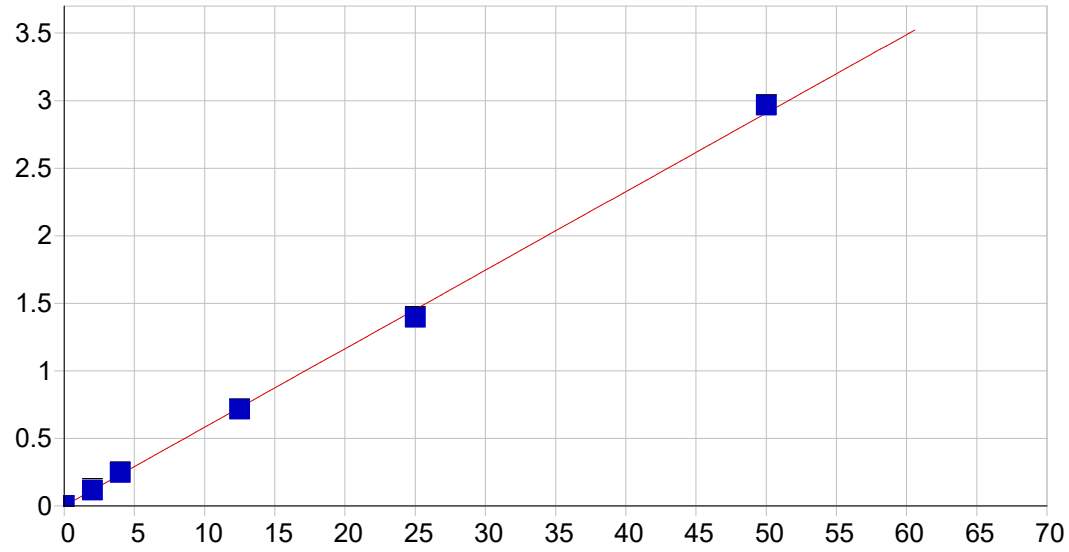
Cd 226.502 {449}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000588	Re-Slope:	1.000000
A1 (Gain):	3.437847	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999174	Status:	OK.
Std Error of Est:	0.001269		
Predicted MDL:	0.000093		
Predicted MQL:	0.000309		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00059	.000	1
S1	.00600	.00597	-.000	-.550	.01999	.000	1
S3	1.2500	1.1871	-.063	-5.03	4.0835	.007	1
S4	2.5000	2.3906	-.109	-4.37	8.2237	.007	1
S5	5.0000	5.1847	.185	3.69	17.835	.033	1
S2	.40000	.38754	-.012	-3.12	1.3326	.002	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



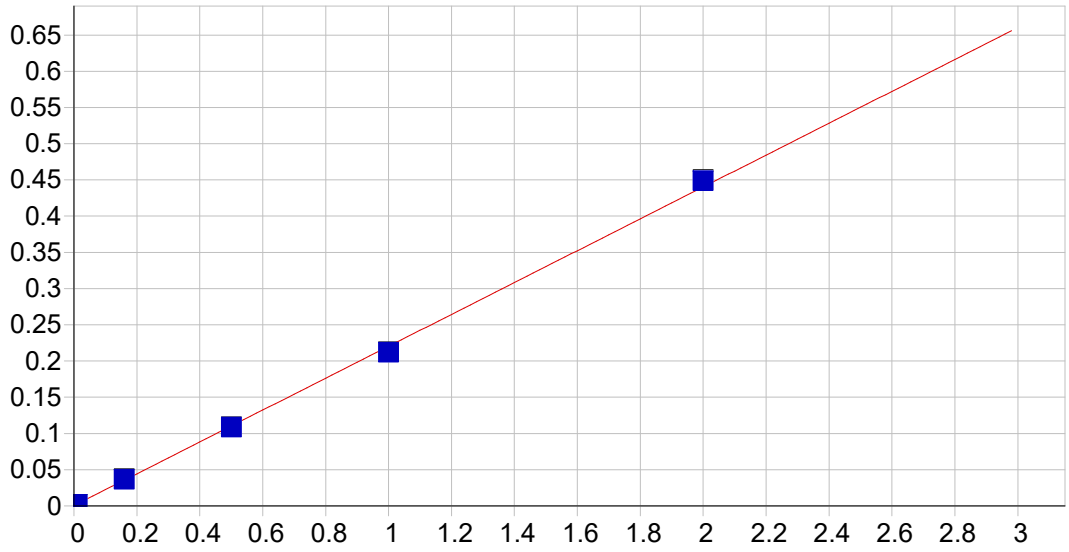
Ca 373.690 { 90}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001187	Re-Slope:	1.000000
A1 (Gain):	0.058126	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999583	Status:	OK.
Std Error of Est:	0.000888		
Predicted MDL:	0.022668		
Predicted MQL:	0.075559		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	.00119	.001	1
S2	4.0000	4.2264	.226	5.66	.24685	.005	1
S3	12.500	12.286	-.214	-1.71	.71533	.003	1
S4	25.000	23.986	-1.01	-4.06	1.3954	.006	1
S5	50.000	51.008	1.01	2.02	2.9661	.003	1
S1	2.0000	1.9938	-.006	-.310	.11708	.011	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



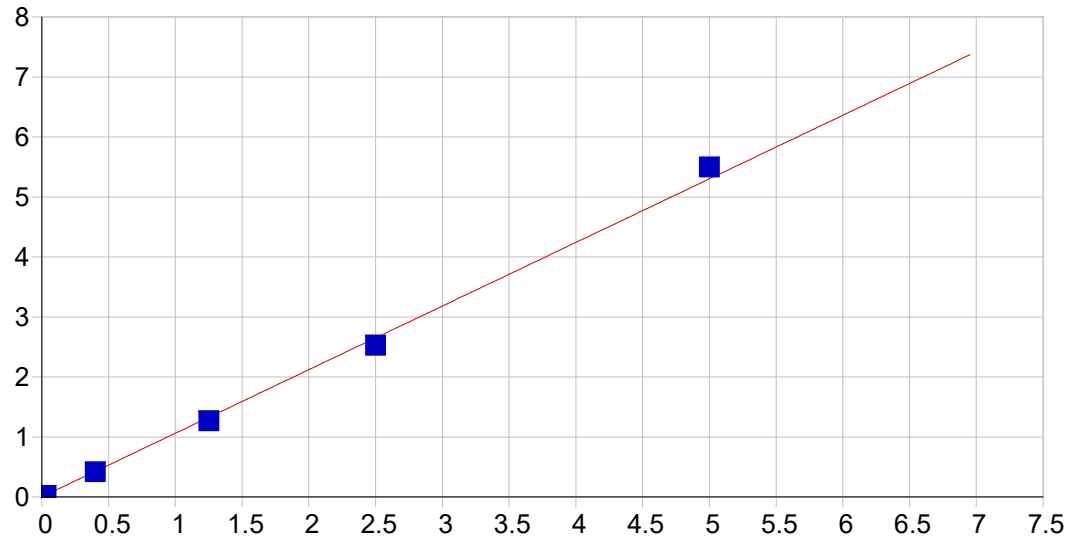
Cr 267.716 {126}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000343	Re-Slope:	1.000000
A1 (Gain):	0.219962	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999651	Status:	OK.
Std Error of Est:	0.000043		
Predicted MDL:	0.000528		
Predicted MQL:	0.001761		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00034	.000	1
S1	.01000	.01068	.001	6.83	.00270	.000	1
S3	.50000	.49195	-.008	-1.61	.10864	.000	1
S4	1.0000	.96239	-.038	-3.76	.21221	.000	1
S5	2.0000	2.0391	.039	1.96	.44923	.001	1
S2	.16000	.16583	.006	3.64	.03685	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



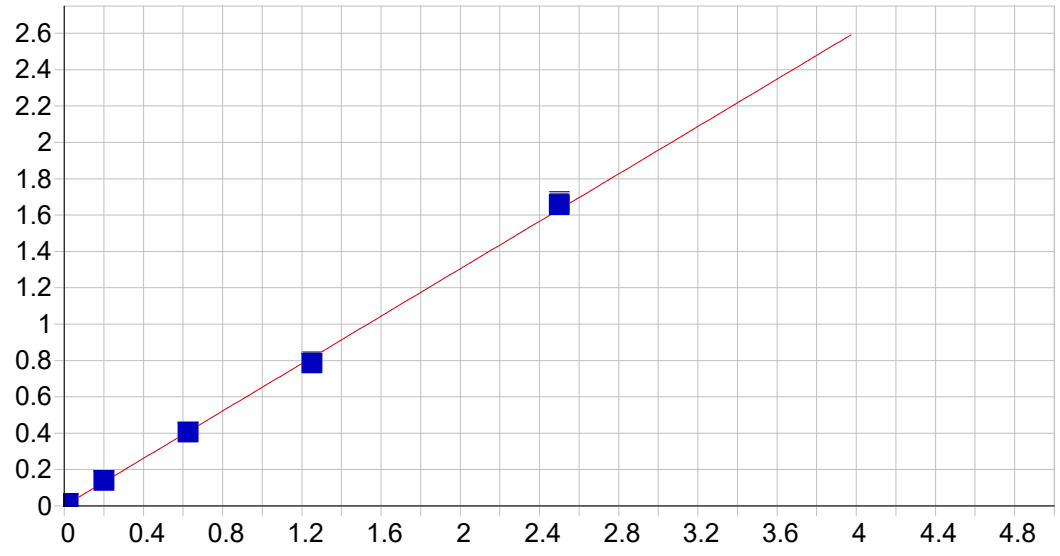
Co 228.616 {448}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000691	Re-Slope:	1.000000
A1 (Gain):	1.060017	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999178	Status:	OK.
Std Error of Est:	0.000875		
Predicted MDL:	0.000266		
Predicted MQL:	0.000885		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00069	.000	1
S1	.03000	.02990	-.000	-.334	.03225	.000	1
S3	1.2500	1.1921	-.058	-4.63	1.2666	.002	1
S4	2.5000	2.3807	-.119	-4.77	2.5288	.001	1
S5	5.0000	5.1830	.183	3.66	5.5038	.007	1
S2	.40000	.39424	-.006	-1.44	.41931	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



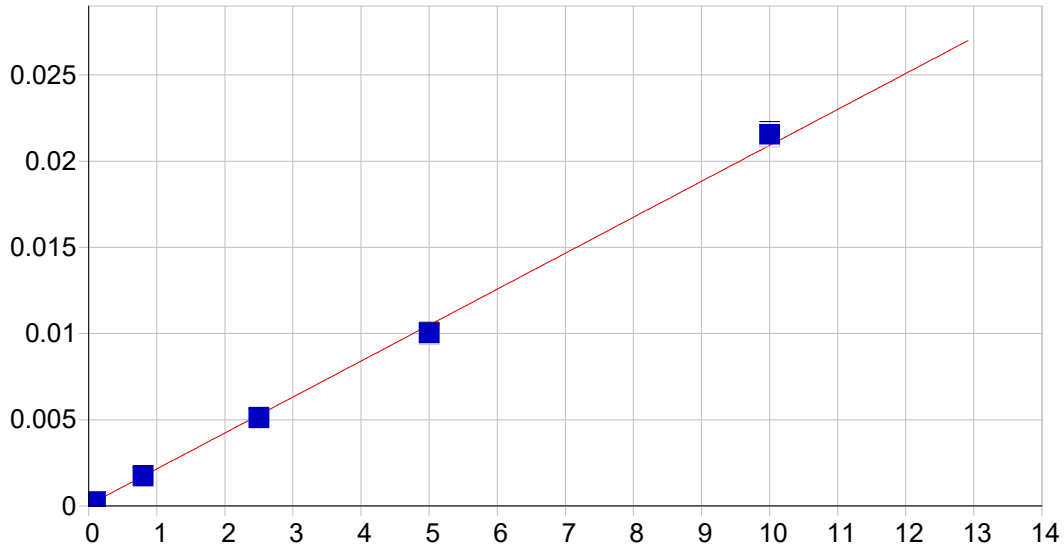
Cu 224.700 {450}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000921	Re-Slope:	1.000000
A1 (Gain):	0.652063	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999654	Status:	OK.
Std Error of Est:	0.000203		
Predicted MDL:	0.000580		
Predicted MQL:	0.001932		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00092	.000	1
S1	.02000	.02212	.002	10.6	.01549	.000	1
S3	.62500	.61924	-.006	-.921	.40810	.001	1
S4	1.2500	1.2032	-.047	-3.74	.79230	.001	1
S5	2.5000	2.5396	.040	1.58	1.6705	.003	1
S2	.20000	.21079	.011	5.39	.13945	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



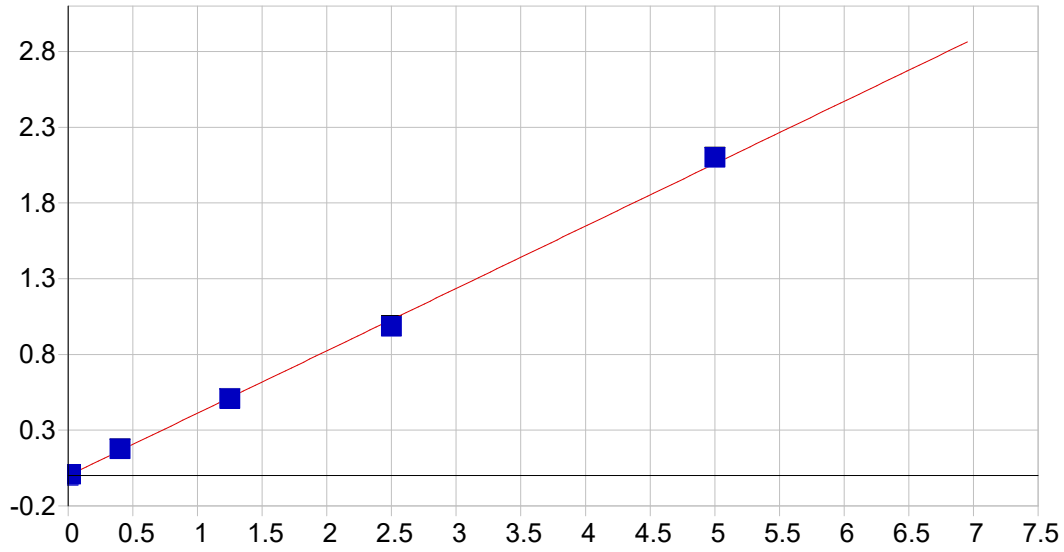
Fe 240.488 {140}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000060	Re-Slope:	1.000000
A1 (Gain):	0.002086	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999376	Status:	OK.
Std Error of Est:	0.000004		
Predicted MDL:	0.013574		
Predicted MQL:	0.045246		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00006	.000	1
S1	.10000	.09062	-.009	-9.38	.00025	.000	1
S3	2.5000	2.4218	-.078	-3.13	.00507	.000	1
S4	5.0000	4.7791	-.221	-4.42	.00994	.000	1
S5	10.000	10.308	.308	3.08	.02138	.000	1
S2	.80000	.80019	.000	.024	.00171	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



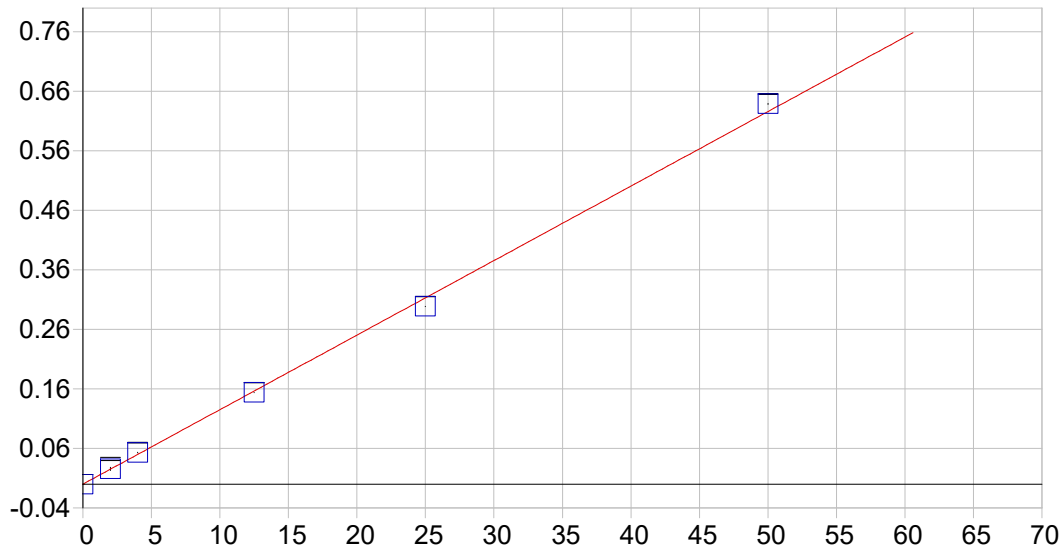
Mn 257.610 {131}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000209	Re-Slope:	1.000000
A1 (Gain):	0.411745	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999541	Status:	OK.
Std Error of Est:	0.000207		
Predicted MDL:	0.001133		
Predicted MQL:	0.003776		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00021	.001	1
S1	.02000	.02119	.001	5.95	.00894	.001	1
S3	1.2500	1.2301	-.020	-1.59	.50681	.002	1
S4	2.5000	2.3939	-.106	-4.24	.98609	.005	1
S5	5.0000	5.1000	.100	2.00	2.1005	.001	1
S2	.40000	.42481	.025	6.20	.17515	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



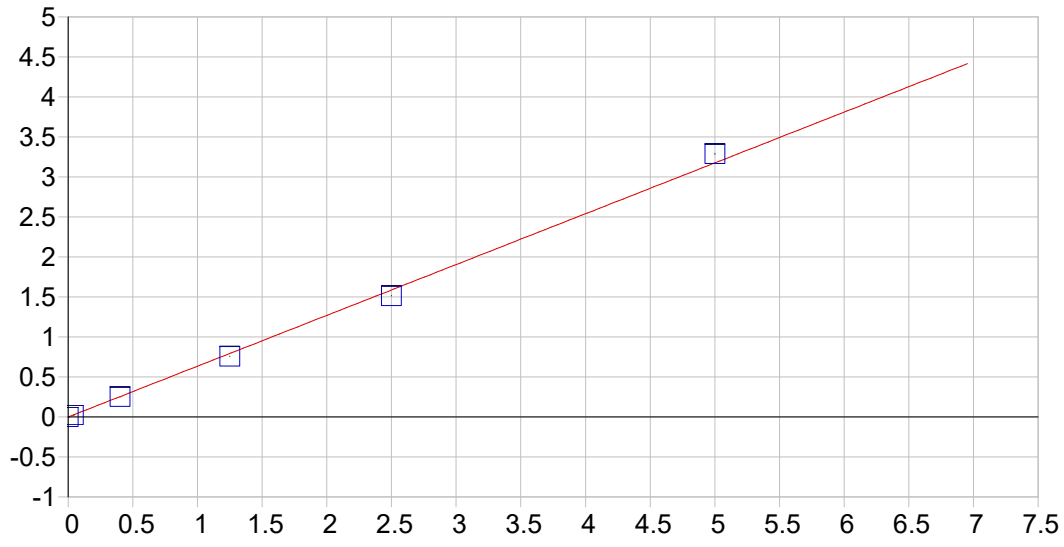
Mg 279.079 {121}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000105	Re-Slope:	1.000000
A1 (Gain):	0.012524	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999504	Status:	OK.
Std Error of Est:	0.000209		
Predicted MDL:	0.048445		
Predicted MQL:	0.161485		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00010	-.000	.000	-.00011	.000	1
S2	4.0000	4.2413	.241	6.03	.05301	.000	1
S3	12.500	12.310	-.190	-1.52	.15406	.000	1
S4	25.000	23.859	-1.14	-4.57	.29870	.000	1
S5	50.000	51.027	1.03	2.05	.63895	.001	1
S1	2.0000	2.0637	.064	3.18	.02574	.003	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



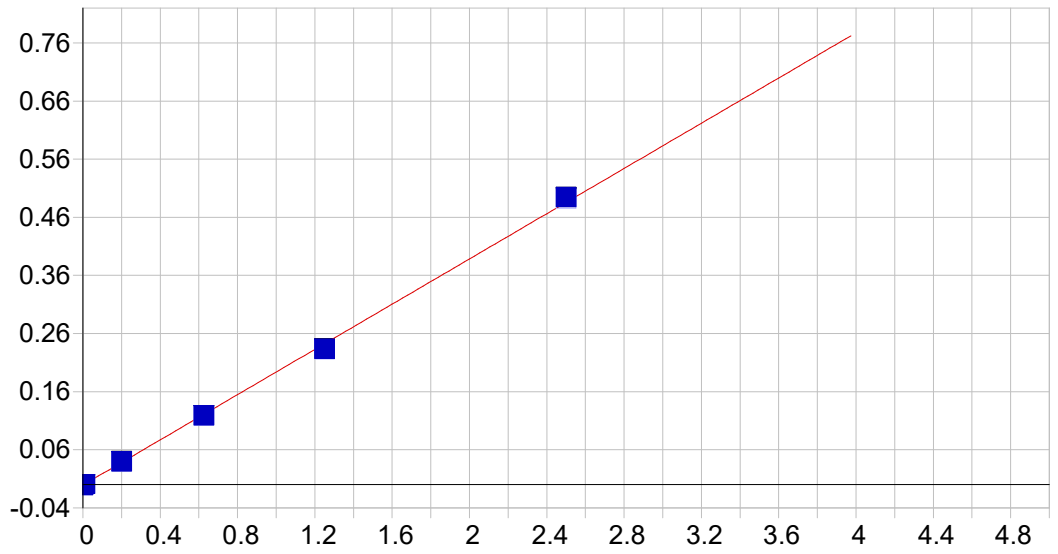
Ni 231.604 {446}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000873	Re-Slope:	1.000000
A1 (Gain):	0.635121	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999227	Status:	OK.
Std Error of Est:	0.000586		
Predicted MDL:	0.000472		
Predicted MQL:	0.001575		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00087	.000	1
S1	.04000	.04022	.000	.538	.02467	.000	1
S3	1.2500	1.1934	-.057	-4.53	.75705	.002	1
S4	2.5000	2.3844	-.116	-4.62	1.5135	.001	1
S5	5.0000	5.1768	.177	3.54	3.2870	.004	1
S2	.40000	.39520	-.005	-1.20	.25013	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



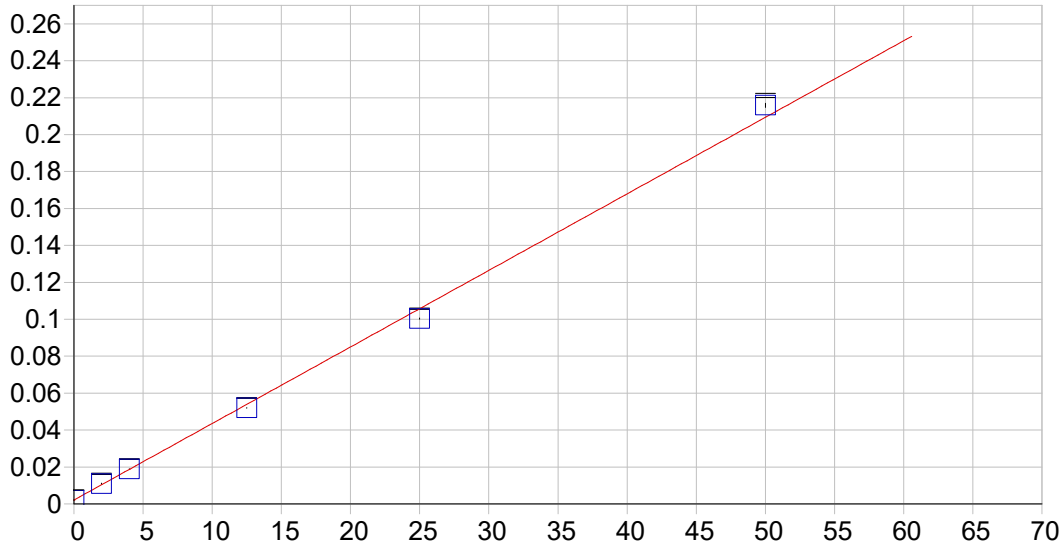
Ag 328.068 {103}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000773	Re-Slope:	1.000000
A1 (Gain):	0.194572	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999653	Status:	OK.
Std Error of Est:	0.000042		
Predicted MDL:	0.000936		
Predicted MQL:	0.003118		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00077	.000	1
S1	.01000	.01066	.001	6.59	.00128	.000	1
S3	.62500	.61583	-.009	-1.47	.11846	.000	1
S4	1.2500	1.2040	-.046	-3.68	.23231	.000	1
S5	2.5000	2.5448	.045	1.79	.49201	.000	1
S2	.20000	.20976	.010	4.88	.03985	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



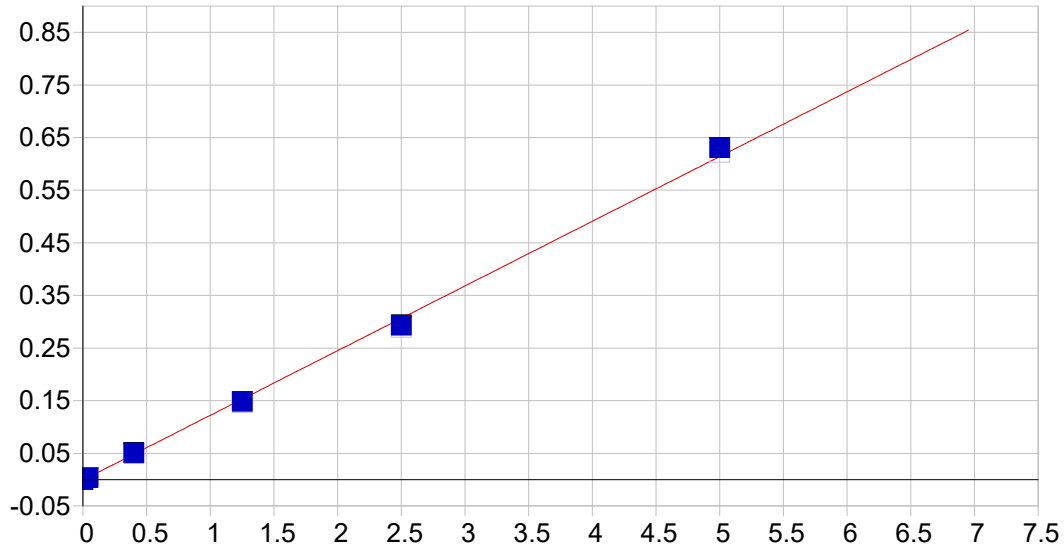
Na 589.592 { 57}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002099	Re-Slope:	1.000000
A1 (Gain):	0.004145	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999239	Status:	OK.
Std Error of Est:	0.000086		
Predicted MDL:	0.047315		
Predicted MQL:	0.157718		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00004	-.000	.000	.00210	.000	1
S2	4.0000	4.0600	.060	1.50	.01893	.000	1
S3	12.500	12.041	-.459	-3.67	.05201	.000	1
S4	25.000	23.703	-1.30	-5.19	.10035	.000	1
S5	50.000	51.572	1.57	3.14	.21587	.001	1
S1	2.0000	2.1250	.125	6.25	.01091	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



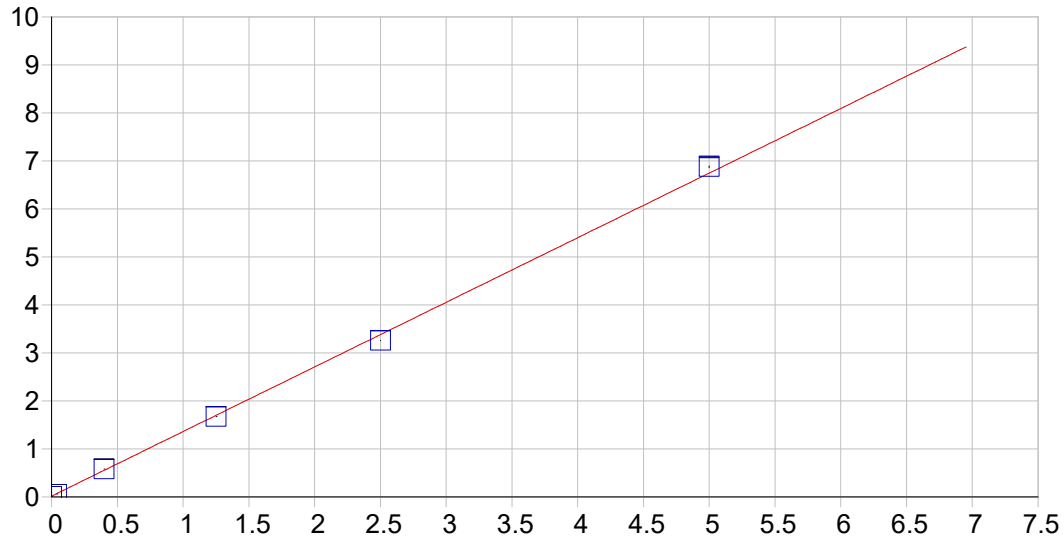
V 292.402 {115}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000863	Re-Slope:	1.000000
A1 (Gain):	0.122981	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999432	Status:	OK.
Std Error of Est:	0.000096		
Predicted MDL:	0.005852		
Predicted MQL:	0.019508		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00086	.001	1
S1	.04000	.03751	-.002	-6.23	.00357	.000	1
S3	1.2500	1.2119	-.038	-3.05	.14594	.000	1
S4	2.5000	2.3917	-.108	-4.33	.28879	.001	1
S5	5.0000	5.1339	.134	2.68	.62154	.000	1
S2	.40000	.41491	.015	3.73	.04945	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



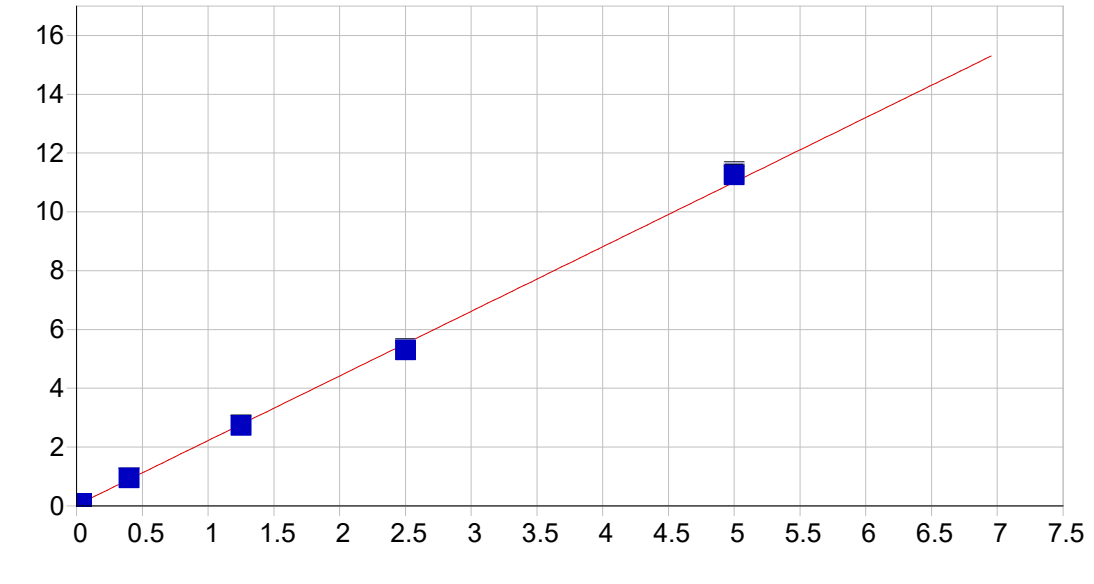
Zn 206.200 {464}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.016063	Re-Slope:	1.000000
A1 (Gain):	1.346081	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999570	Status:	OK.
Std Error of Est:	0.000926		
Predicted MDL:	0.000161		
Predicted MQL:	0.000536		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.01607	.000	1
S1	.04000	.03285	-.007	-17.9	.06028	.000	1
S3	1.2500	1.2313	-.019	-1.49	1.6735	.002	1
S4	2.5000	2.4078	-.092	-3.69	3.2571	.002	1
S5	5.0000	5.0979	.098	1.96	6.8782	.017	1
S2	.40000	.42022	.020	5.06	.58172	.001	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



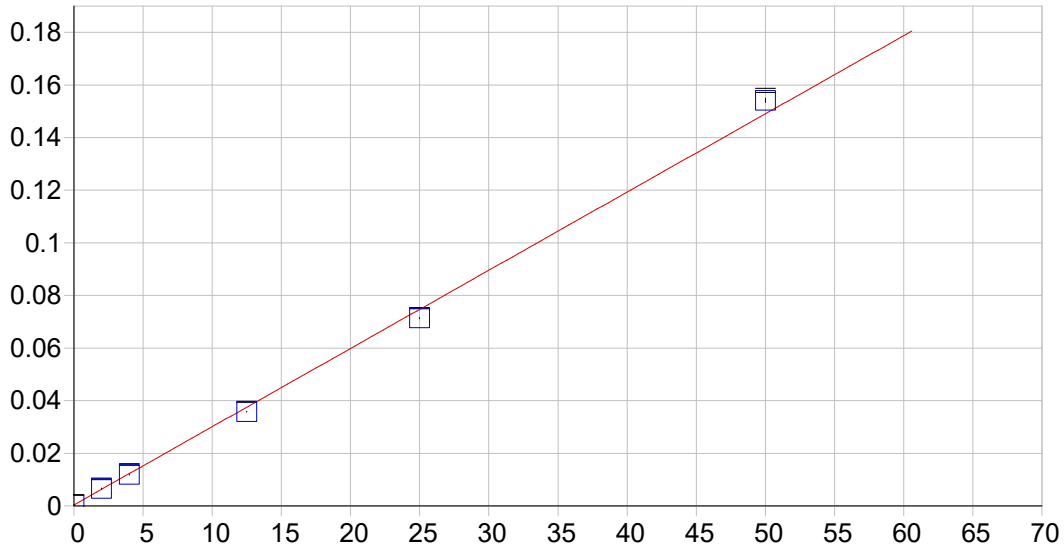
Zn 213.856 {158}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.025935	Re-Slope:	1.000000
A1 (Gain):	2.196937	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999508	Status:	OK.
Std Error of Est:	0.001629		
Predicted MDL:	0.000367		
Predicted MQL:	0.001224		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.02595	.001	1
S1	.04000	.03262	-.007	-18.4	.09822	.001	1
S3	1.2500	1.2293	-.021	-1.65	2.7458	.006	1
S4	2.5000	2.3990	-.101	-4.04	5.3346	.018	1
S5	5.0000	5.1087	.109	2.17	11.326	.036	1
S2	.40000	.42031	.020	5.08	.95545	.002	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



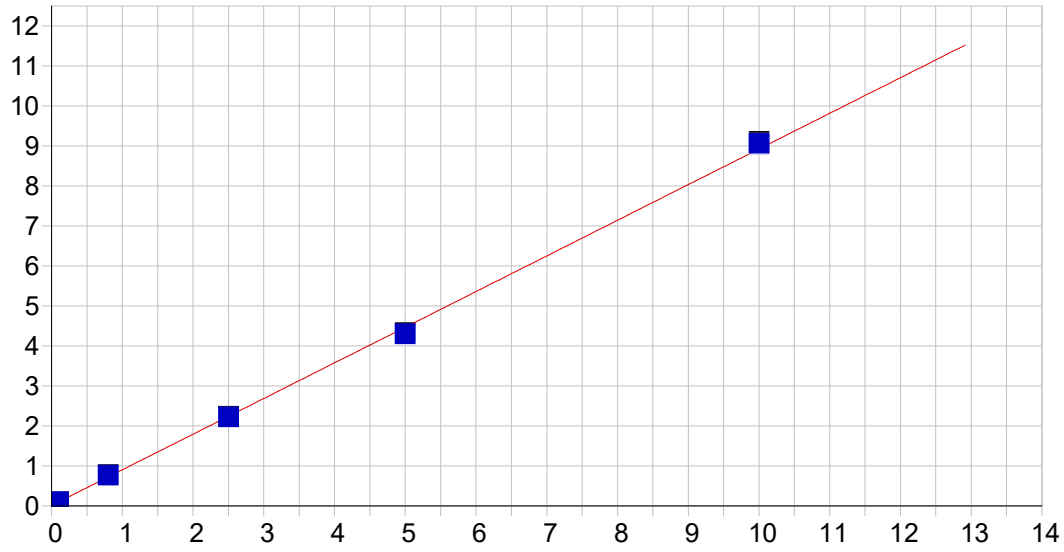
K 766.490 { 44}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000381	Re-Slope:	1.000000
A1 (Gain):	0.002973	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999252	Status:	OK.
Std Error of Est:	0.000061		
Predicted MDL:	0.081245		
Predicted MQL:	0.270815		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00010	.000	.000	.00038	.000	1
S2	4.0000	3.9010	-.099	-2.47	.01198	.000	1
S3	12.500	11.919	-.581	-4.65	.03582	.000	1
S4	25.000	23.893	-1.11	-4.43	.07142	.000	1
S5	50.000	51.722	1.72	3.44	.15415	.001	1
S1	2.0000	2.0648	.065	3.24	.00652	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



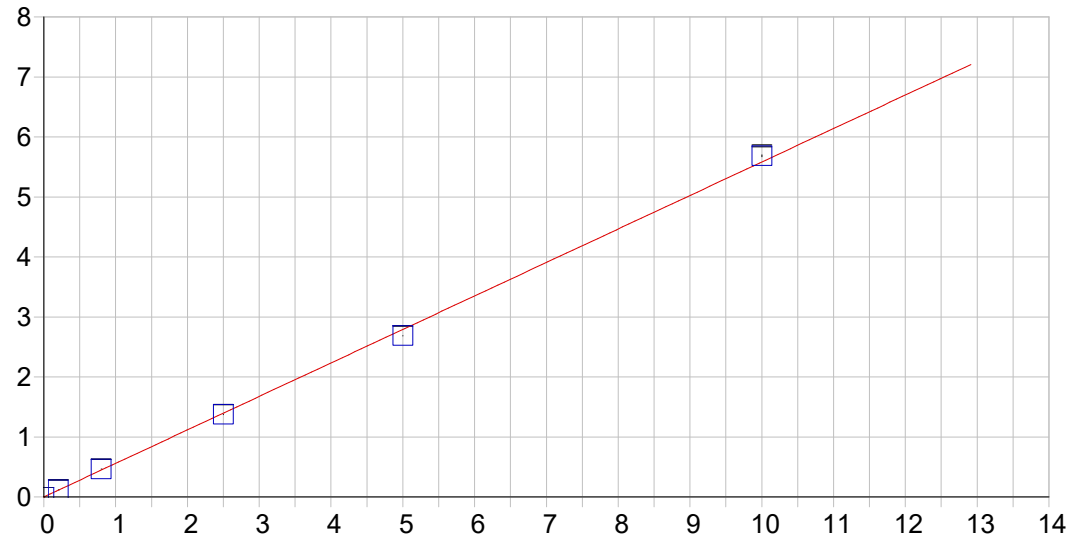
B 249.678 {135}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.011002	Re-Slope:	1.000000
A1 (Gain):	0.891543	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999670	Status:	OK.
Std Error of Est:	0.001199		
Predicted MDL:	0.001414		
Predicted MQL:	0.004714		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.01100	.001	1
S1	.10000	.10062	.001	.624	.10019	.008	1
S3	2.5000	2.4793	-.021	-.826	2.2134	.017	1
S4	5.0000	4.8164	-.184	-3.67	4.2889	.022	1
S5	10.000	10.157	.157	1.57	9.0347	.048	1
S2	.80000	.84622	.046	5.78	.76287	.008	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



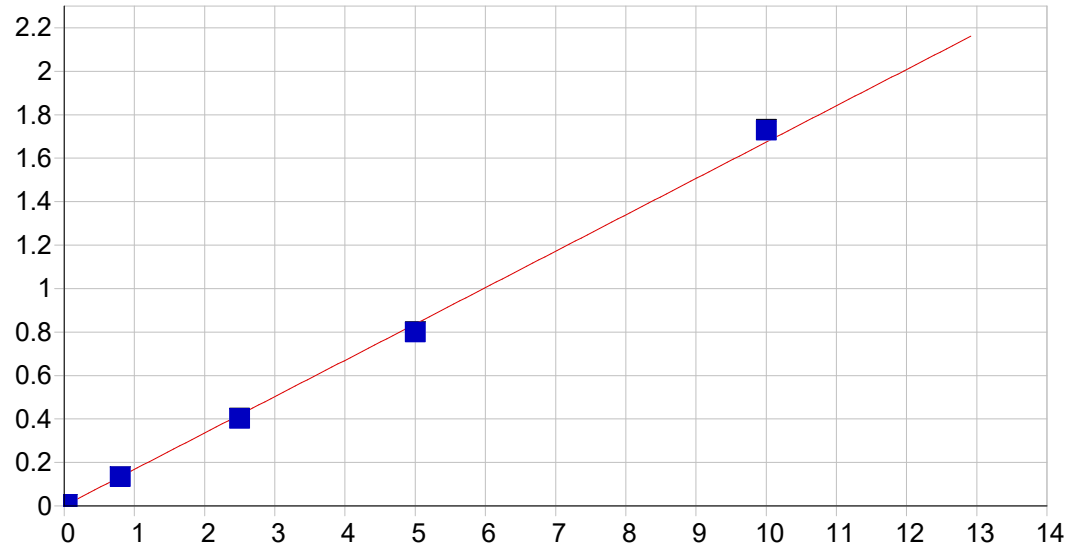
Mo 202.030 {467}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000382	Re-Slope:	1.000000
A1 (Gain):	0.558134	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999656	Status:	OK.
Std Error of Est:	0.001091		
Predicted MDL:	0.000407		
Predicted MQL:	0.001358		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00038	.000	1
S1	.20000	.20502	.005	2.51	.11481	.000	1
S3	2.5000	2.4622	-.038	-1.51	1.3746	.002	1
S4	5.0000	4.8122	-.188	-3.76	2.6862	.003	1
S5	10.000	10.185	.185	1.85	5.6851	.015	1
S2	.80000	.83529	.035	4.41	.46659	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



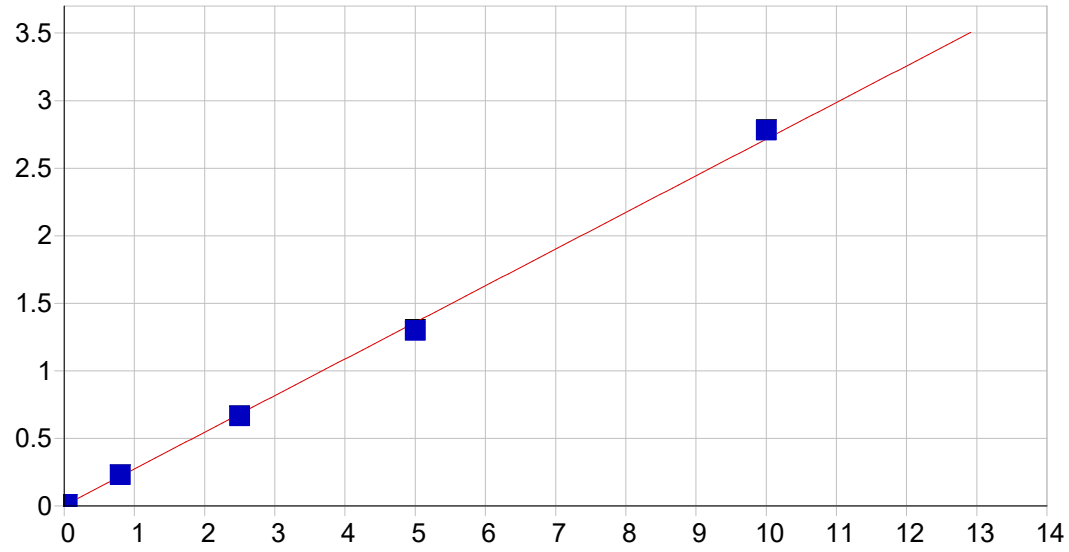
Sn 189.989 {478}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000838	Re-Slope:	1.000000
A1 (Gain):	0.167286	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999318	Status:	OK.
Std Error of Est:	0.000205		
Predicted MDL:	0.000757		
Predicted MQL:	0.002522		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00084	.000	1
S1	.04000	.03797	-.002	-5.08	.00718	.000	1
S3	2.5000	2.4009	-.099	-3.96	.40205	.001	1
S4	5.0000	4.7760	-.224	-4.48	.79894	.003	1
S5	10.000	10.330	.330	3.30	1.7272	.005	1
S2	.80000	.79518	-.005	-.602	.13372	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



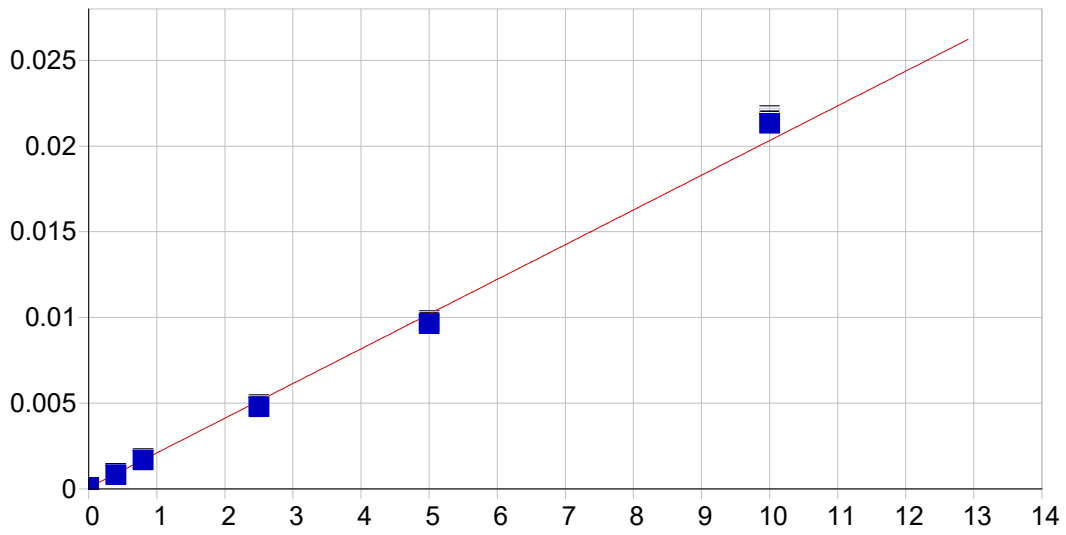
Ti 336.121 {100}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002598	Re-Slope:	1.000000
A1 (Gain):	0.271201	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999475	Status:	OK.
Std Error of Est:	0.000291		
Predicted MDL:	0.003486		
Predicted MQL:	0.011622		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00260	.001	1
S1	.04000	.03415	-.006	-14.6	.01185	.002	1
S3	2.5000	2.4449	-.055	-2.20	.66542	.000	1
S4	5.0000	4.7805	-.219	-4.39	1.2986	.007	1
S5	10.000	10.245	.245	2.45	2.7801	.005	1
S2	.80000	.83534	.035	4.42	.22906	.003	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



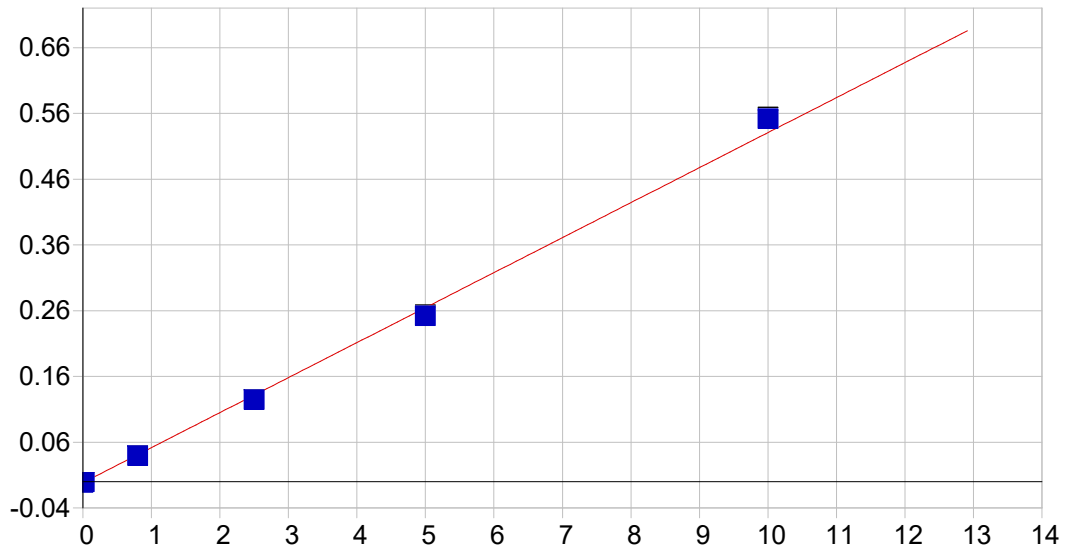
Si 288.158 {117}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000075	Re-Slope:	1.000000
A1 (Gain):	0.002025	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998605	Status:	OK.
Std Error of Est:	0.000011		
Predicted MDL:	0.026058		
Predicted MQL:	0.086860		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00006	.000	.000	.00007	.000	1
S1	.40000	.37197	-.028	-7.01	.00083	.000	1
S3	2.5000	2.3267	-.173	-6.93	.00486	.000	1
S4	5.0000	4.7176	-.282	-5.65	.00978	.000	1
S5	10.000	10.488	.488	4.88	.02162	.000	1
S2	.80000	.79489	-.005	-.639	.00171	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



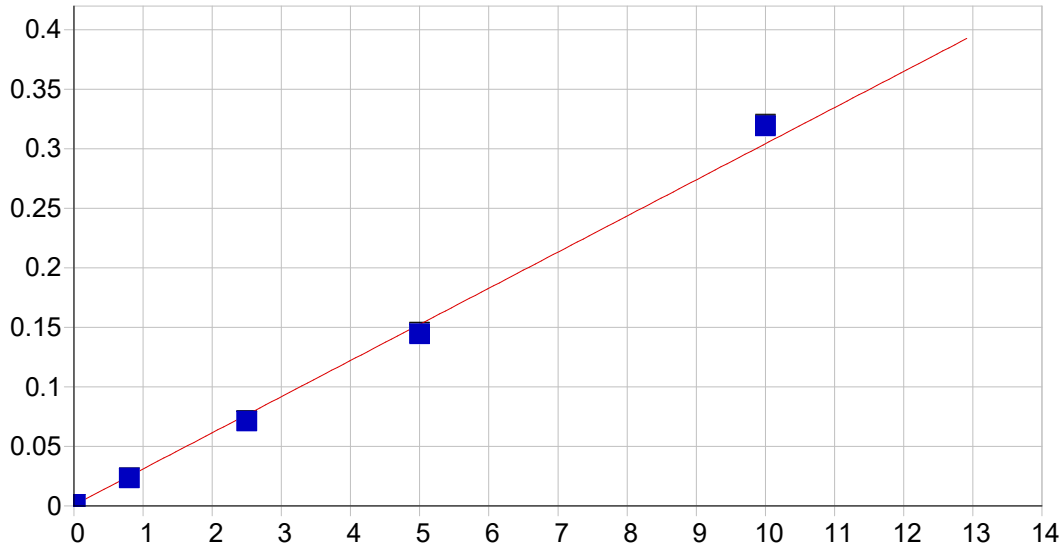
P 177.495 {490}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001544	Re-Slope:	1.000000
A1 (Gain):	0.053236	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999036	Status:	OK.
Std Error of Est:	0.000055		
Predicted MDL:	0.001856		
Predicted MQL:	0.006185		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00154	.000	1
S1	.02000	.01999	-.000	-.059	-.00048	.000	1
S3	2.5000	2.3672	-.133	-5.31	.12445	.000	1
S4	5.0000	4.7623	-.238	-4.75	.25194	.002	1
S5	10.000	10.400	.400	4.00	.55200	.002	1
S2	.80000	.77096	-.029	-3.63	.03949	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



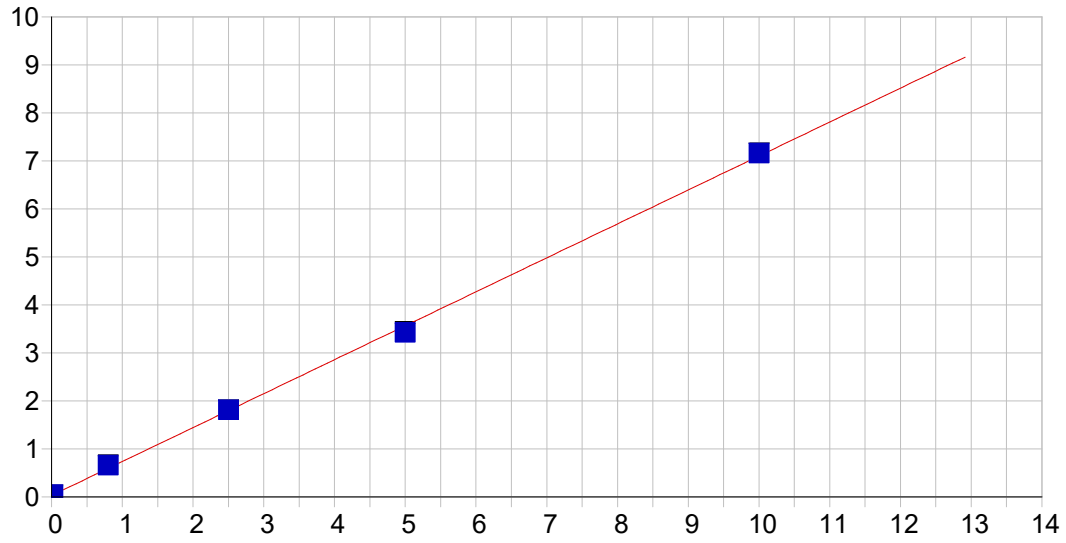
S 182.034 {485}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000741	Re-Slope:	1.000000
A1 (Gain):	0.030358	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998507	Status:	OK.
Std Error of Est:	0.000039		
Predicted MDL:	0.003624		
Predicted MQL:	0.012081		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00074	.000	1
S1	.02000	.01946	-.001	-2.69	.00131	.000	1
S3	2.5000	2.3234	-.177	-7.06	.07108	.000	1
S4	5.0000	4.7385	-.262	-5.23	.14420	.001	1
S5	10.000	10.495	.495	4.95	.31854	.001	1
S2	.80000	.74413	-.056	-6.98	.02327	.000	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



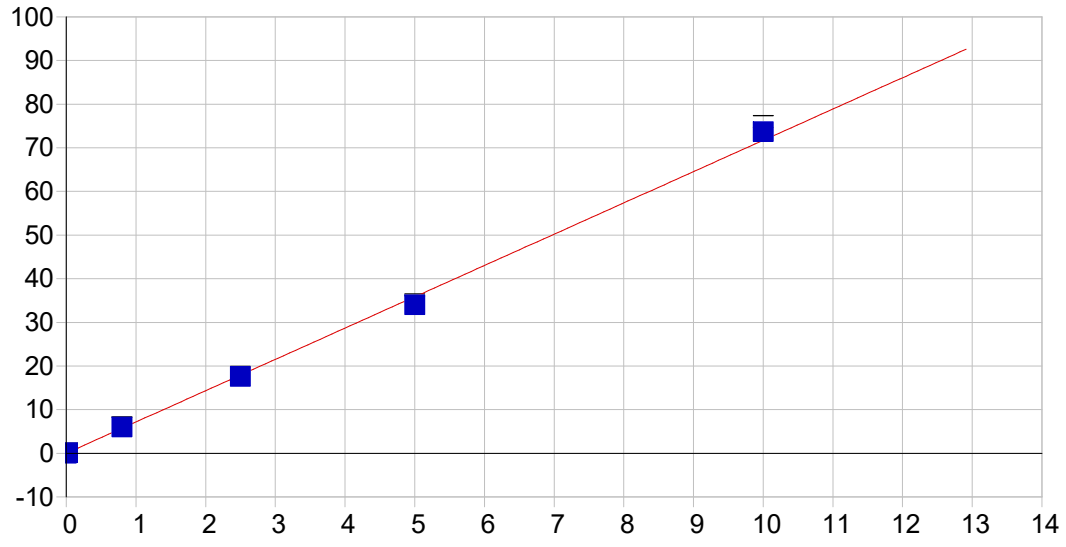
Li 670.784 { 50}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.029357	Re-Slope:	1.000000
A1 (Gain):	0.707284	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999498	Status:	OK.
Std Error of Est:	0.000526		
Predicted MDL:	0.004232		
Predicted MQL:	0.014105		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.02936	.002	1
S5	10.000	10.084	.084	.843	7.1675	.005	1
S4	5.0000	4.8032	-.197	-3.94	3.4294	.020	1
S3	2.5000	2.5233	.023	.930	1.8154	.004	1
S1	.02000	.02106	.001	5.31	.04450	.003	1
S2	.80000	.88816	.088	11.0	.65799	.011	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271



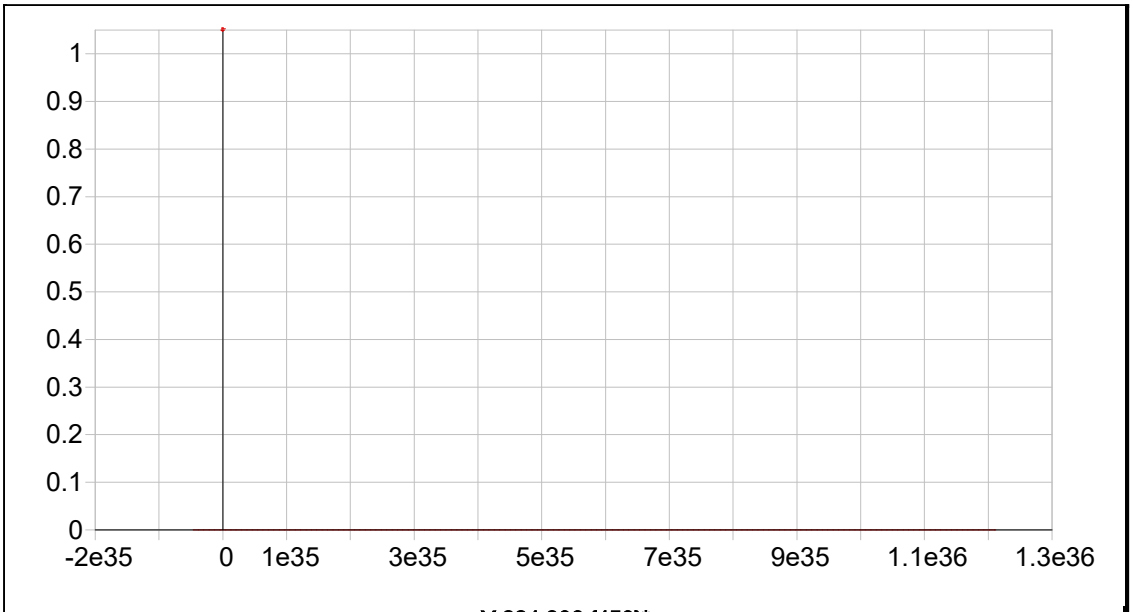
Sr 407.771 { 83}

Date of Fit:	9/22/2025 12:53:38	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000067	Re-Slope:	1.000000
A1 (Gain):	7.171580	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999341	Status:	OK.
Std Error of Est:	0.006107		
Predicted MDL:	0.000227		
Predicted MQL:	0.000757		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00006	.000	1
S1	.02000	.02074	.001	3.68	.14946	.016	1
S3	2.5000	2.4495	-.050	-2.02	17.584	.066	1
S4	5.0000	4.7372	-.263	-5.26	34.008	.231	1
S5	10.000	10.275	.275	2.75	73.754	1.36	1
S2	.80000	.83791	.038	4.74	6.0147	.045	1

Reviewed By:
On:
Inst Id :P4
LB :LB137271

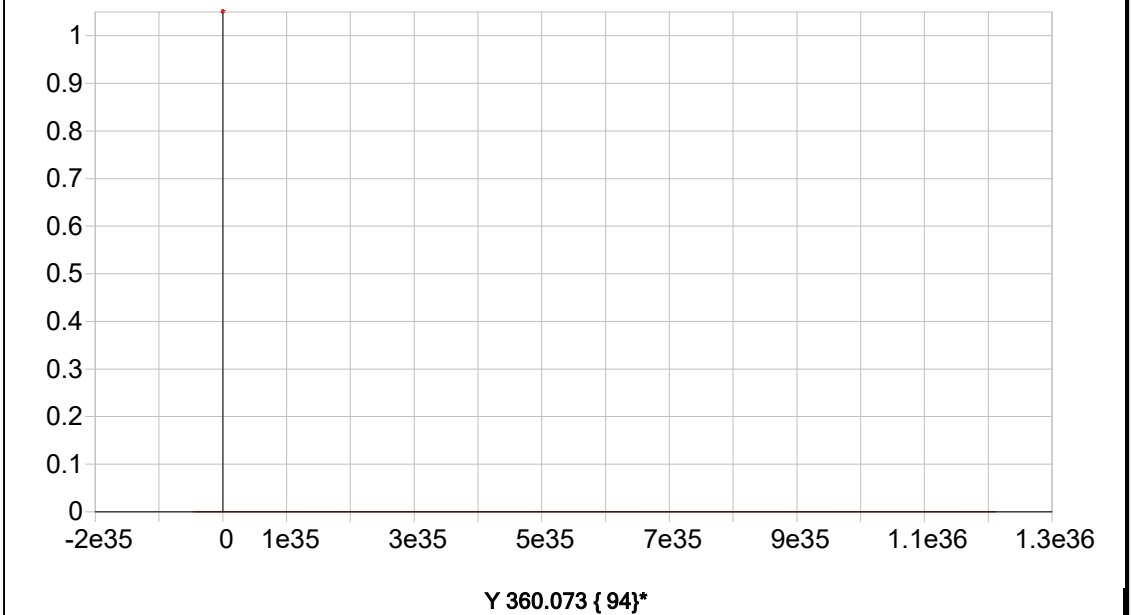


Y 224.306 {450}*

Date of Fit:	9/22/2025 12:53:38	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}*

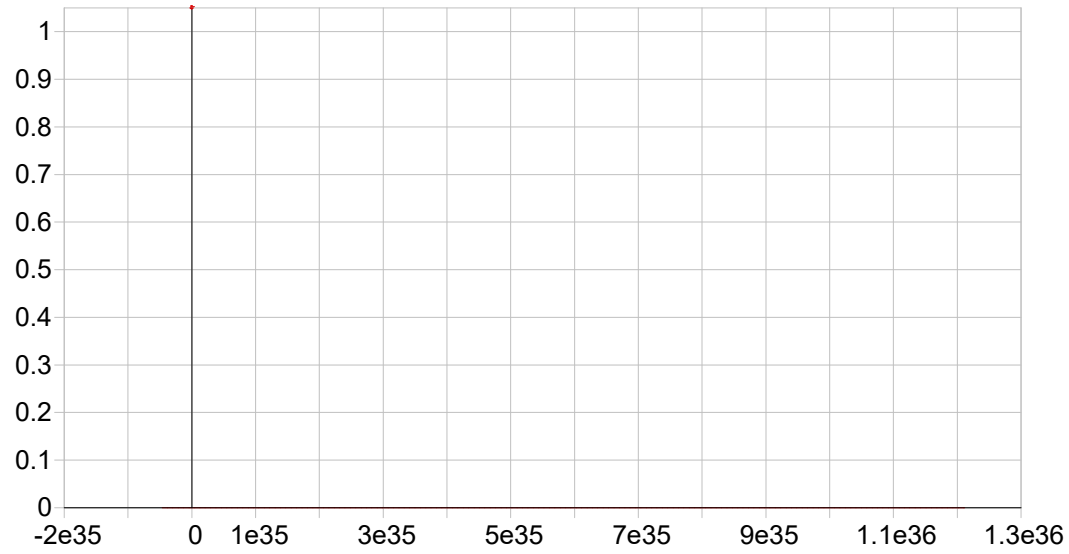
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

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

Reviewed By:
On:
Inst Id :P4
LB :LB137271

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

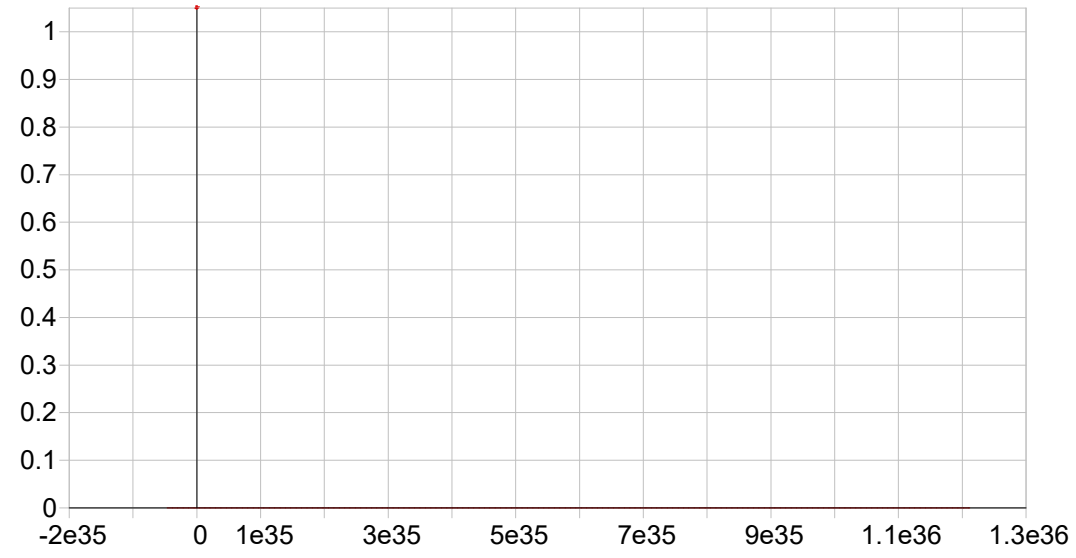


Y 371.030 { 91}*

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

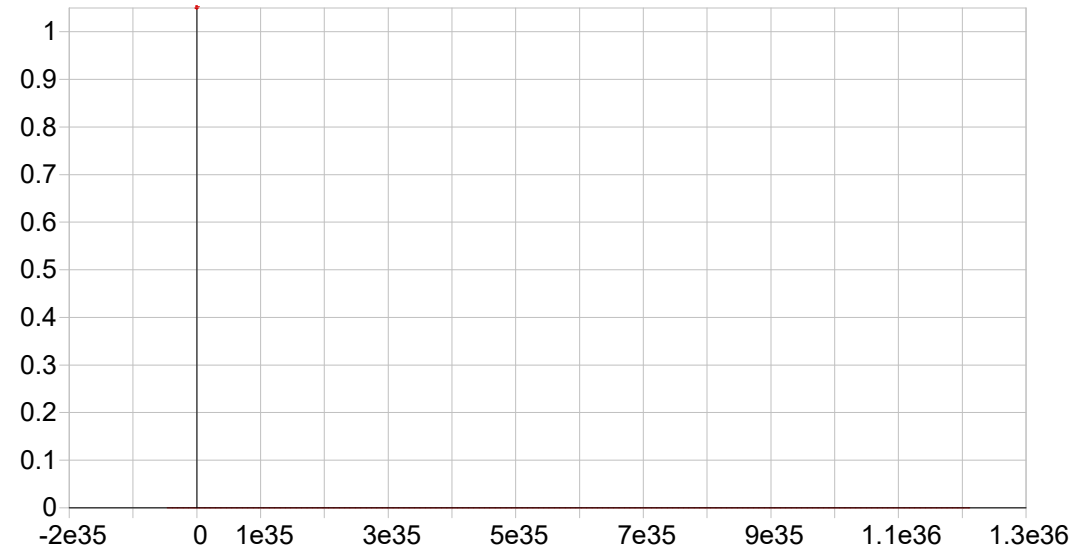
Reviewed By:
On:
Inst Id :P4
LB :LB137271



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 :LB137271

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

PB169779

SOP ID : M200.7-Trace Elements-22

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: 09/22/2025 **Time :** 12:35 **Temp :** 95 °C

End Digest Date: 09/22/2025 **Time :** ~~15:40~~ 14:00 **Temp :** 95 °C

Digestion tube ID: M5595

sj 09/23/25

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SJS.

Supervisor Signature: SJ

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	M6181
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/22/25 16:00 ~~14:00~~	SKS met dig	SJ Metals Lab
14:05	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169779

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169779BL	PBW779	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB169779BS	LCS779	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	2
Q3144-01	MENS BATHROOM 1ST RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q3144-02	MEN BATHROOM 2ND RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q3144-03	CLASSROOM I 1ST RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q3144-04	CLASSROOM I 2ND RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q3144-05	LADIES BATHROOM 1ST RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7
Q3144-06	LADIES BATHROOM 2ND RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8
Q3144-07	FOUNTAIN 1ST RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9
Q3144-08	FOUNTAIN 2ND RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	10
Q3144-09	CLASSROOM 4 1ST RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	11
Q3144-10	CLASSROOM 4 2ND RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	12
Q3144-11	CLASSROOM I BATHROOM 1ST RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	13
Q3144-12	CLASSROOM I BATHROOM 2ND RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	14
Q3144-13	CLASSROOM 2 SINK 1ST RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	15
Q3144-14	CLASSROOM 2 SINK 2ND RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	16
Q3144-15	CLASSROOM 2 BATHROOM 1ST RUN	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	17
Q3144-16	CLASSROOM 2 BATHROOM 2ND RU	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	18
Q3148-01	001 WILLETS PT BLVD (SEP))	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	19
Q3148-02	002 35TH AVE(SEP)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	20
Q3149-01	001 WILLETS PT BLVD (AUG)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	21
Q3149-02	002 35TH AVE(AUG)	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	22
Q3149-02MS	002 35TH AVE(AUG)MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	24
Q3149-02MSD	002 35TH AVE(AUG)MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	25
Q3149-02DUP	002 35TH AVE(AUG)DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	23

WORKLIST(Hardcopy Internal Chain)

WorkList Name : PB169779 **WorkList ID :** 191999 **Department :** Digestion **Date :** 09-22-2025 11:54:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3144-01	Mens Bathroom 1St Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-02	Men Bathroom 2nd Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-03	Classroom I 1St Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-04	Classroom I 2nd Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-05	Ladies Bathroom 1St Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-06	Ladies Bathroom 2nd Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-07	Fountain 1St Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-08	Fountain 2nd Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-09	Classroom 4 1St Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-10	Classroom 4 2nd Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-11	Classroom I Bathroom 1St Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-12	Classroom I Bathroom 2nd Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-13	Classroom 2 Sink 1St Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-14	Classroom 2 Sink 2nd Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-15	Classroom 2 Bathroom 1St Run	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3144-16	Classroom 2 Bathroom 2nd Ru	Water	Metals Group3	1:1 HNO3 to pH < 2	SAFE04	J22	09/18/2025	200.7
Q3148-01	001 Willets Pt Blvd (Sep))	Water	Metals Group 10	1:1 HNO3 to pH < 2	TULL01	J23	09/18/2025	200.7
Q3148-02	002 35th Ave(Sep)	Water	Metals Group 10	1:1 HNO3 to pH < 2	TULL01	J23	09/18/2025	200.7
Q3149-01	001 Willets Pt Blvd (Aug)	Water	Metals Group 10	1:1 HNO3 to pH < 2	TULL01	J33	09/18/2025	200.7
Q3149-02	002 35th Ave(Aug)	Water	Metals Group 10	1:1 HNO3 to pH < 2	TULL01	J33	09/18/2025	200.7

Date/Time 09/22/25 12:10

Raw Sample Received by: SKY met dig

Raw Sample Relinquished by: CPCSM

Date/Time 09/22/25 13:10

Raw Sample Received by: CPCSM

Raw Sample Relinquished by: SKY 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 # LB137271

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	09/22/25 12:06		Jaswal	OK
2	S1	S1	CAL2	09/22/25 12:10		Jaswal	OK
3	S2	S2	CAL3	09/22/25 12:14		Jaswal	OK
4	S3	S3	CAL4	09/22/25 12:19		Jaswal	OK
5	S4	S4	CAL5	09/22/25 12:22		Jaswal	OK
6	S5	S5	CAL6	09/22/25 12:27		Jaswal	OK
7	ICV01	ICV01	ICV	09/22/25 12:31		Jaswal	OK
8	LLICV01	LLICV01	LLICV	09/22/25 12:48		Jaswal	OK
9	ICB01	ICB01	ICB	09/22/25 12:54		Jaswal	OK
10	CRI01	CRI01	CRDL	09/22/25 13:05		Jaswal	OK
11	ICSA01	ICSA01	ICSA	09/22/25 13:10		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	09/22/25 13:14		Jaswal	OK
13	ICSADL	ICSADL	ICSA	09/22/25 13:22		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	09/22/25 13:26		Jaswal	OK
15	CCV01	CCV01	CCV	09/22/25 13:36		Jaswal	OK
16	CCB01	CCB01	CCB	09/22/25 13:42		Jaswal	OK
17	LR-1	LR-1	HIGH STD	09/22/25 13:47		Jaswal	OK
18	LR-2	LR-2	HIGH STD	09/22/25 13:52		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 # LB137271

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	PB169779BS	PB169779BS	LCS	09/22/25 14:09		Jaswal	OK
20	PB169785BL	PB169785BL	MB	09/22/25 14:13		Jaswal	OK
21	PB169785BS	PB169785BS	LCS	09/22/25 14:17		Jaswal	OK
22	Q3144-01	Mens Bathroom 1St R	SAM	09/22/25 14:21		Jaswal	OK
23	Q3144-02	Men Bathroom 2nd Ru	SAM	09/22/25 14:25		Jaswal	OK
24	Q3144-03	Classroom I 1St Run	SAM	09/22/25 14:29		Jaswal	OK
25	PB169779BL	PB169779BL	MB	09/22/25 14:33		Jaswal	OK
26	CCV02	CCV02	CCV	09/22/25 14:48		Jaswal	OK
27	CCB02	CCB02	CCB	09/22/25 14:52		Jaswal	OK
28	Q3144-04	Classroom I 2nd Run	SAM	09/22/25 15:01		Jaswal	OK
29	Q3144-05	Ladies Bathroom 1St I	SAM	09/22/25 15:05		Jaswal	OK
30	Q3144-06	Ladies Bathroom 2nd	SAM	09/22/25 15:09		Jaswal	OK
31	Q3144-07	Fountain 1St Run	SAM	09/22/25 15:14		Jaswal	OK
32	Q3144-08	Fountain 2nd Run	SAM	09/22/25 15:18		Jaswal	OK
33	Q3144-09	Classroom 4 1St Run	SAM	09/22/25 15:22		Jaswal	OK
34	Q3144-10	Classroom 4 2nd Run	SAM	09/22/25 15:26		Jaswal	OK
35	Q3144-11	Classroom I Bathroom	SAM	09/22/25 15:30		Jaswal	OK
36	Q3144-12	Classroom I Bathroom	SAM	09/22/25 15:34		Jaswal	OK
37	LR-3	LR-3	HIGH STD	09/22/25 15:41		Jaswal	OK
38	CCV03	CCV03	CCV	09/22/25 15:46		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 # LB137271

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	CCB03	CCB03	CCB	09/22/25 15:50		Jaswal	OK
40	Q3144-13	Classroom 2 Sink 1St	SAM	09/22/25 15:54		Jaswal	OK
41	Q3144-14	Classroom 2 Sink 2nd	SAM	09/22/25 15:58		Jaswal	OK
42	Q3144-15	Classroom 2 Bathroor	SAM	09/22/25 16:02		Jaswal	OK
43	Q3144-16	Classroom 2 Bathroor	SAM	09/22/25 16:06		Jaswal	OK
44	Q3148-01	001 Willets Pt Blvd (S	SAM	09/22/25 16:11		Jaswal	OK
45	Q3148-02	002 35th Ave(Sep)	SAM	09/22/25 16:15		Jaswal	OK
46	Q3149-01	001 Willets Pt Blvd (A	SAM	09/22/25 16:19		Jaswal	OK
47	Q3149-02	002 35th Ave(Aug)	SAM	09/22/25 16:23		Jaswal	OK
48	CCV04	CCV04	CCV	09/22/25 16:27		Jaswal	OK
49	CCB04	CCB04	CCB	09/22/25 16:31		Jaswal	OK
50	Q3149-02DUP	002 35th Ave(Aug)DU	DUP	09/22/25 16:35		Jaswal	OK
51	Q3149-02L	002 35th Ave(Aug)L	SD	09/22/25 16:39		Jaswal	OK
52	CCV05	CCV05	CCV	09/22/25 16:43		Jaswal	OK
53	CCB05	CCB05	CCB	09/22/25 16:47		Jaswal	OK
54	Q3149-02MS	002 35th Ave(Aug)MS	MS	09/22/25 16:51		Jaswal	OK
55	Q3149-02MSD	002 35th Ave(Aug)MS	MSD	09/22/25 16:55		Jaswal	OK
56	Q3149-02A	002 35th Ave(Aug)A	PS	09/22/25 16:59		Jaswal	OK
57	Q3158-01	EFFLUENT-DAY-1-MI	SAM	09/22/25 17:03	Not Use	Jaswal	Not Ok
58	Q2902-04	OUTFALL-DSN-002	SAM	09/22/25 17:07		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 # LB137271

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	Q2902-04DUP	OUTFALL-DSN-002D	DUP	09/22/25 17:12		Jaswal	OK
60	PB169773BS	PB169773BS	LCS	09/22/25 17:33		Jaswal	OK
61	PB169773BL	PB169773BL	MB	09/22/25 17:37		Jaswal	OK
62	Q3133-02	VNJ-238	SAM	09/22/25 17:41		Jaswal	OK
63	Q3133-04	VNJ-222	SAM	09/22/25 17:45		Jaswal	OK
64	CCV06	CCV06	CCV	09/22/25 17:49		Jaswal	OK
65	CCB06	CCB06	CCB	09/22/25 17:53		Jaswal	OK
66	Q3133-06	361	SAM	09/22/25 17:57		Jaswal	OK
67	Q3133-08	VNJ-210	SAM	09/22/25 18:02		Jaswal	OK
68	Q3136-01	34922	SAM	09/22/25 18:06		Jaswal	OK
69	Q3136-02	34923	SAM	09/22/25 18:10		Jaswal	OK
70	Q3136-03	34924	SAM	09/22/25 18:14		Jaswal	OK
71	Q3136-04	34925	SAM	09/22/25 18:18		Jaswal	OK
72	Q3136-05	34926	SAM	09/22/25 18:23		Jaswal	OK
73	Q3138-08	MOO-25-0239-0241	SAM	09/22/25 18:27		Jaswal	OK
74	Q3150-01	MER Rd Con Ed	SAM	09/22/25 18:31		Jaswal	OK
75	Q3150-03	Mid Site Grid 5-7	SAM	09/22/25 18:35		Jaswal	OK
76	CCV07	CCV07	CCV	09/22/25 18:49		Jaswal	OK
77	CCB07	CCB07	CCB	09/22/25 19:08		Jaswal	OK

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

Prep Standard - Chemical Standard Summary

Order ID : Q3144

Test : Metals Group3

Prepbatch ID : PB169779,

Sequence ID/Qc Batch ID: LB137271,LB137271,

Standard ID :
MP85156,

Chemical ID :
M6151,M6158,M6180,M6181,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	MP85156	04/07/2025	10/08/2025	Kareem Khairalla	None	None	Sarabjit Jaswal 04/07/2025

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)	24D1062002	10/09/2025	03/10/2025 / Eman	02/02/2025 / Sagar	M6158

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	W2-MEB752149	02/05/2026	08/06/2025 / Janvi	07/22/2025 / Janvi	M6180

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-MEB7433480	02/05/2026	08/06/2025 / Janvi	07/22/2025 / Janvi	M6181

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

avantor™ | J.T.Baker®

R-02102/2025

M-6158

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
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	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 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	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 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	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
Trace Impurities - Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Potassium (K)	≤ 50 ppb	16 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities - Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities - Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Tin (Sn)	≤ 20.0 ppb	< 10.0 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	10 par/ml
Particle Count - 1.0 µm and greater	≤ 10 par/ml	3 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result

For Microelectronic Use

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

Jamie Croak
Director Quality Operations, Bioscience Production

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Certificate of Analysis

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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-1
Lot Number:	W2-MEB752149
Matrix:	5% (v/v) HNO3

M6180
R-7/22/23

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

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M6181
R -> 7/22/28

1.0 ACCREDITATION / REGISTRATION

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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

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

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

RUSH 1 of 2

ALLIANCE PROJECT NO.
QUOTE NO. Q 3144
COC Number 2047978

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Safety Environmental Control & Training
ADDRESS: 33 Clinton Ave
CITY Staten Island STATE: NY ZIP: 10301
ATTENTION: Dr Francis Owoh
PHONE: 7183900914 FAX: 7183900915

CLIENT PROJECT INFORMATION

PROJECT NAME: Kids R First preschool
PROJECT NO.: 2nd Floor LOCATION: Trenton
PROJECT MANAGER: Tom Wheeler
e-mail: Safetyenvironmentalinc@gmail.com
PHONE: 7183900914 FAX: 7183900915

CLIENT BILLING INFORMATION

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

ANALYSIS

Lead in Water

DATA TURNAROUND INFORMATION

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

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.	Mens BathRoom 1st RUN				9/18/25	4PM		✓									
2.	Men BathRoom 2nd RUN							✓									
3.	Class Room 1 1st RUN							✓									
4.	Class Room 1 2nd RUN							✓									
5.	Ladies BathRoom 1st RUN							✓									
6.	Ladies BathRM 2nd RUN							✓									
7.	Fountain 1st RUN							✓									
8.	Fountain 2nd RUN							✓									
9.	Class RM 4 1st RUN							✓									
10.	Classroom 4 2nd RUN							✓									

← 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.	9/18/25	1.
2.	9/18/25	2. 1655
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 1°/2 °C
Comments: Lead in Water Analysis in New Jersey - School.

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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Alliance TECHNICAL GROUP

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

2 of 2

ALLIANCE PROJECT NO.
QUOTE NO. Q3144
COC Number 2047979

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Safety Environmental
ADDRESS: 33 Clinton Ave
CITY Staten Island STATE: NY ZIP: 10301
ATTENTION: Dr Francis Ouo
PHONE: 7183900914 FAX: 7183900915

CLIENT PROJECT INFORMATION

PROJECT NAME: Eds R First Prf School
PROJECT NO.: 2nd flow LOCATION: Trenton
PROJECT MANAGER:
e-mail: S
PHONE: 7183900914 FAX: 7183900915

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) Rush (2 Days) 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 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

Lead in water

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	#11 Classroom 1 Bathrm 1st Run				9/18/25	1435		✓									
2	#12 Classrm 1 Bathrm 2nd Run							✓									
3	#13 Classrm 2 Sink 1st Run							✓									
4	#14 Classrm 2 Sink 2nd Run							✓									
5	#15 Classrm 2 Bathrm Sink 1st Run							✓									
6	#16 Classrm 2 Bathrm Sink 2nd Run							✓									
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. [signature]	9/18/25	1. [signature] 1655
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 1.1°C
Comments: Lead in Water Analysis in New Jersey - School

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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Alliance TECHNICAL GROUP
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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