

DATA REPORTING QUALIFIERS- INORGANIC

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

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

LAB CHRONICLE

OrderID:	P4539	OrderDate:	10/24/2024 12:13:57 PM
Client:	THE LEARNING CIRCLE YMCA	Project:	Drinking Water Analysis 2024
Contact:	Jennifer Andrade	Location:	K41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4539-01	TODDLER-1-SINK-A	Water	Metals Group3	200.8	10/24/24	11/01/24	11/06/24	10/24/24
P4539-02	TODDLER-1-SINK-B	Water	Metals Group3	200.8	10/24/24	11/01/24	11/06/24	10/24/24
P4539-03	TODDLER-2-SINK-A	Water	Metals Group3	200.8	10/24/24	11/01/24	11/06/24	10/24/24
P4539-04	TODDLER-2-SINK-B	Water	Metals Group3	200.8	10/24/24	11/01/24	11/06/24	10/24/24
P4539-05	TODDLER-3-SINK-A	Water	Metals Group3	200.8	10/24/24	11/01/24	11/06/24	10/24/24
P4539-06	TODDLER-3-SINK-B	Water	Metals Group3	200.8	10/24/24	11/01/24	11/06/24	10/24/24
P4539-07	TODDLER-4-SINK-A	Water	Metals Group3	200.8	10/24/24	11/01/24	11/06/24	10/24/24
P4539-08	TODDLER-4-SINK-B	Water	Metals Group3	200.8	10/24/24	11/01/24	11/06/24	10/24/24
P4539-09	KITCHEN-FOOD-WAS H-SINK-A	Water	Metals Group3	200.8	10/24/24	11/01/24	11/06/24	10/24/24
P4539-10	KITCHEN-FOOD-WAS H-SINK-B	Water	Metals Group3	200.8	10/24/24	11/01/24	11/06/24	10/24/24
P4539-11	KITCHEN-DISH-WASH -SINK-A	Water			10/24/24			10/24/24

LAB CHRONICLE

			Metals Group3	200.8		11/01/24	11/06/24	
P4539-12	KITCHEN-DISH-WASH -SINK-B	Water			10/24/24			10/24/24
			Metals Group3	200.8		11/01/24	11/07/24	
P4539-13	WATER-FOUNTAIN-A	Water			10/24/24			10/24/24
			Metals Group3	200.8		11/01/24	11/07/24	
P4539-14	WATER-FOUNTAIN-B	Water			10/24/24			10/24/24
			Metals Group3	200.8		11/01/24	11/07/24	
P4539-15	ADK-SINK-A	Water			10/24/24			10/24/24
			Metals Group3	200.8		11/01/24	11/07/24	
P4539-16	ADK-SINK-B	Water			10/24/24			10/24/24
			Metals Group3	200.8		11/01/24	11/07/24	
P4539-17	ROOM-12-SINK-A	Water			10/24/24			10/24/24
			Metals Group3	200.8		11/01/24	11/07/24	
P4539-18	ROOM-12-SINK-B	Water			10/24/24			10/24/24
			Metals Group3	200.8		11/01/24	11/07/24	
P4539-19	INFANT-2-SINK-A	Water			10/24/24			10/24/24
			Metals Group3	200.8		11/01/24	11/07/24	
P4539-20	INFANT-2-SINK-B	Water			10/24/24			10/24/24
			Metals Group3	200.8		11/01/24	11/07/24	

Hit Summary Sheet
SW-846

SDG No.: P4539 **Order ID:** P4539
Client: THE LEARNING CIRCLE YMCA **Project ID:** Drinking Water Analysis 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TODDLER-1-SINK-A								
P4539-01	TODDLER-1-SINK-A	Water	Copper	51.0		0.79	2.00	ug/L
P4539-01	TODDLER-1-SINK-A	Water	Lead	1.29		0.27	1.00	ug/L
Client ID : TODDLER-1-SINK-B								
P4539-02	TODDLER-1-SINK-B	Water	Copper	43.0		0.79	2.00	ug/L
P4539-02	TODDLER-1-SINK-B	Water	Lead	0.61	J	0.27	1.00	ug/L
Client ID : TODDLER-2-SINK-A								
P4539-03	TODDLER-2-SINK-A	Water	Copper	54.4		0.79	2.00	ug/L
P4539-03	TODDLER-2-SINK-A	Water	Lead	0.60	J	0.27	1.00	ug/L
Client ID : TODDLER-2-SINK-B								
P4539-04	TODDLER-2-SINK-B	Water	Copper	38.9		0.79	2.00	ug/L
P4539-04	TODDLER-2-SINK-B	Water	Lead	0.38	J	0.27	1.00	ug/L
Client ID : TODDLER-3-SINK-A								
P4539-05	TODDLER-3-SINK-A	Water	Copper	108		0.79	2.00	ug/L
P4539-05	TODDLER-3-SINK-A	Water	Lead	0.55	J	0.27	1.00	ug/L
Client ID : TODDLER-3-SINK-B								
P4539-06	TODDLER-3-SINK-B	Water	Copper	121		0.79	2.00	ug/L
P4539-06	TODDLER-3-SINK-B	Water	Lead	0.69	J	0.27	1.00	ug/L
Client ID : TODDLER-4-SINK-A								
P4539-07	TODDLER-4-SINK-A	Water	Copper	104		0.79	2.00	ug/L
P4539-07	TODDLER-4-SINK-A	Water	Lead	0.90	J	0.27	1.00	ug/L
Client ID : TODDLER-4-SINK-B								
P4539-08	TODDLER-4-SINK-B	Water	Copper	118		0.79	2.00	ug/L
P4539-08	TODDLER-4-SINK-B	Water	Lead	0.91	J	0.27	1.00	ug/L
Client ID : KITCHEN-FOOD-WASH-SINK-A								
P4539-09	KITCHEN-FOOD-WASH-SINK	Water	Copper	199		0.79	2.00	ug/L
P4539-09	KITCHEN-FOOD-WASH-SINK	Water	Lead	3.81		0.27	1.00	ug/L
Client ID : KITCHEN-FOOD-WASH-SINK-B								
P4539-10	KITCHEN-FOOD-WASH-SINK	Water	Copper	162		0.79	2.00	ug/L
P4539-10	KITCHEN-FOOD-WASH-SINK	Water	Lead	1.07		0.27	1.00	ug/L
Client ID : KITCHEN-DISH-WASH-SINK-A								
P4539-11	KITCHEN-DISH-WASH-SINK	Water	Copper	170		0.79	2.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: P4539

Order ID: P4539

Client: THE LEARNING CIRCLE YMCA

Project ID: Drinking Water Analysis 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4539-11	KITCHEN-DISH-WASH-SINK-J	Water	Lead	1.23		0.27	1.00	ug/L
Client ID :	KITCHEN-DISH-WASH-SINK-B							
P4539-12	KITCHEN-DISH-WASH-SINK-J	Water	Copper	103		0.79	2.00	ug/L
P4539-12	KITCHEN-DISH-WASH-SINK-J	Water	Lead	0.43	J	0.27	1.00	ug/L
Client ID :	WATER-FOUNTAIN-A							
P4539-13	WATER-FOUNTAIN-A	Water	Copper	846		0.79	2.00	ug/L
Client ID :	WATER-FOUNTAIN-B							
P4539-14	WATER-FOUNTAIN-B	Water	Copper	536		0.79	2.00	ug/L
Client ID :	ADK-SINK-A							
P4539-15	ADK-SINK-A	Water	Copper	132		0.79	2.00	ug/L
P4539-15	ADK-SINK-A	Water	Lead	0.42	J	0.27	1.00	ug/L
Client ID :	ADK-SINK-B							
P4539-16	ADK-SINK-B	Water	Copper	121		0.79	2.00	ug/L
P4539-16	ADK-SINK-B	Water	Lead	0.30	J	0.27	1.00	ug/L
Client ID :	ROOM-12-SINK-A							
P4539-17	ROOM-12-SINK-A	Water	Copper	123		0.79	2.00	ug/L
P4539-17	ROOM-12-SINK-A	Water	Lead	3.93		0.27	1.00	ug/L
Client ID :	ROOM-12-SINK-B							
P4539-18	ROOM-12-SINK-B	Water	Copper	152		0.79	2.00	ug/L
P4539-18	ROOM-12-SINK-B	Water	Lead	2.14		0.27	1.00	ug/L
Client ID :	INFANT-2-SINK-A							
P4539-19	INFANT-2-SINK-A	Water	Copper	153		0.79	2.00	ug/L
P4539-19	INFANT-2-SINK-A	Water	Lead	0.33	J	0.27	1.00	ug/L
Client ID :	INFANT-2-SINK-B							
P4539-20	INFANT-2-SINK-B	Water	Copper	220		0.79	2.00	ug/L
P4539-20	INFANT-2-SINK-B	Water	Lead	0.43	J	0.27	1.00	ug/L



SAMPLE DATA

Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	TODDLER-1-SINK-A	SDG No.:	P4539
Lab Sample ID:	P4539-01	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.
7440-50-8	Copper	51.0		1	0.79	2.00	ug/L	11/01/24 14:00	11/06/24 23:17	200.8	
7439-92-1	Lead	1.29		1	0.27	1.00	ug/L	11/01/24 14:00	11/06/24 23:17	200.8	

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

Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	TODDLER-1-SINK-B	SDG No.:	P4539
Lab Sample ID:	P4539-02	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.
7440-50-8	Copper	43.0		1	0.79	2.00	ug/L	11/01/24 14:00	11/06/24 23:20	200.8	
7439-92-1	Lead	0.61	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/06/24 23:20	200.8	

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

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Report of Analysis

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Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	TODDLER-2-SINK-A	SDG No.:	P4539
Lab Sample ID:	P4539-03	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.
7440-50-8	Copper	54.4		1	0.79	2.00	ug/L	11/01/24 14:00	11/06/24 23:24	200.8	
7439-92-1	Lead	0.60	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/06/24 23:24	200.8	

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

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Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	TODDLER-2-SINK-B	SDG No.:	P4539
Lab Sample ID:	P4539-04	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.
7440-50-8	Copper	38.9		1	0.79	2.00	ug/L	11/01/24 14:00	11/06/24 23:27	200.8	
7439-92-1	Lead	0.38	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/06/24 23:27	200.8	

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

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Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	TODDLER-3-SINK-A	SDG No.:	P4539
Lab Sample ID:	P4539-05	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-50-8	Copper	108		1	0.79	2.00	ug/L	11/01/24 14:00	11/06/24 23:31	200.8	
7439-92-1	Lead	0.55	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/06/24 23:31	200.8	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
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Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	TODDLER-3-SINK-B	SDG No.:	P4539
Lab Sample ID:	P4539-06	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.
7440-50-8	Copper	121		1	0.79	2.00	ug/L	11/01/24 14:00	11/06/24 23:34	200.8	
7439-92-1	Lead	0.69	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/06/24 23:34	200.8	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
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Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	TODDLER-4-SINK-A	SDG No.:	P4539
Lab Sample ID:	P4539-07	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.
7440-50-8	Copper	104		1	0.79	2.00	ug/L	11/01/24 14:00	11/06/24 23:38	200.8	
7439-92-1	Lead	0.90	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/06/24 23:38	200.8	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
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Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	TODDLER-4-SINK-B	SDG No.:	P4539
Lab Sample ID:	P4539-08	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.
7440-50-8	Copper	118		1	0.79	2.00	ug/L	11/01/24 14:00	11/06/24 23:48	200.8	
7439-92-1	Lead	0.91	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/06/24 23:48	200.8	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
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Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	KITCHEN-FOOD-WASH-SINK-A	SDG No.:	P4539
Lab Sample ID:	P4539-09	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.
7440-50-8	Copper	199		1	0.79	2.00	ug/L	11/01/24 14:00	11/06/24 23:52	200.8	
7439-92-1	Lead	3.81		1	0.27	1.00	ug/L	11/01/24 14:00	11/06/24 23:52	200.8	

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

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Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	KITCHEN-FOOD-WASH-SINK-B	SDG No.:	P4539
Lab Sample ID:	P4539-10	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.
7440-50-8	Copper	162		1	0.79	2.00	ug/L	11/01/24 14:00	11/06/24 23:55	200.8	
7439-92-1	Lead	1.07		1	0.27	1.00	ug/L	11/01/24 14:00	11/06/24 23:55	200.8	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
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Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	KITCHEN-DISH-WASH-SINK-A	SDG No.:	P4539
Lab Sample ID:	P4539-11	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.
7440-50-8	Copper	170		1	0.79	2.00	ug/L	11/01/24 14:00	11/06/24 23:59	200.8	
7439-92-1	Lead	1.23		1	0.27	1.00	ug/L	11/01/24 14:00	11/06/24 23:59	200.8	

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

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 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	KITCHEN-DISH-WASH-SINK-B	SDG No.:	P4539
Lab Sample ID:	P4539-12	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.
7440-50-8	Copper	103		1	0.79	2.00	ug/L	11/01/24 14:00	11/07/24 00:02	200.8	
7439-92-1	Lead	0.43	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/07/24 00:02	200.8	

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

Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	WATER-FOUNTAIN-A	SDG No.:	P4539
Lab Sample ID:	P4539-13	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.
7440-50-8	Copper	846		1	0.79	2.00	ug/L	11/01/24 14:00	11/07/24 00:06	200.8	
7439-92-1	Lead	0.27	U	1	0.27	1.00	ug/L	11/01/24 14:00	11/07/24 00:06	200.8	

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

Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	WATER-FOUNTAIN-B	SDG No.:	P4539
Lab Sample ID:	P4539-14	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.
7440-50-8	Copper	536		1	0.79	2.00	ug/L	11/01/24 14:00	11/07/24 00:09	200.8	
7439-92-1	Lead	0.27	U	1	0.27	1.00	ug/L	11/01/24 14:00	11/07/24 00:09	200.8	

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

Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	ADK-SINK-A	SDG No.:	P4539
Lab Sample ID:	P4539-15	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.
7440-50-8	Copper	132		1	0.79	2.00	ug/L	11/01/24 14:00	11/07/24 00:13	200.8	
7439-92-1	Lead	0.42	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/07/24 00:13	200.8	

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

Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	ADK-SINK-B	SDG No.:	P4539
Lab Sample ID:	P4539-16	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.
7440-50-8	Copper	121		1	0.79	2.00	ug/L	11/01/24 14:00	11/07/24 00:16	200.8	
7439-92-1	Lead	0.30	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/07/24 00:16	200.8	

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

Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	ROOM-12-SINK-A	SDG No.:	P4539
Lab Sample ID:	P4539-17	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-50-8	Copper	123		1	0.79	2.00	ug/L	11/01/24 14:00	11/07/24 00:20	200.8	
7439-92-1	Lead	3.93		1	0.27	1.00	ug/L	11/01/24 14:00	11/07/24 00:20	200.8	

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

Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	ROOM-12-SINK-B	SDG No.:	P4539
Lab Sample ID:	P4539-18	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-50-8	Copper	152		1	0.79	2.00	ug/L	11/01/24 14:00	11/07/24 00:30	200.8	
7439-92-1	Lead	2.14		1	0.27	1.00	ug/L	11/01/24 14:00	11/07/24 00:30	200.8	

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

Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	INFANT-2-SINK-A	SDG No.:	P4539
Lab Sample ID:	P4539-19	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-50-8	Copper	153		1	0.79	2.00	ug/L	11/01/24 14:00	11/07/24 00:34	200.8	
7439-92-1	Lead	0.33	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/07/24 00:34	200.8	

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

Report of Analysis

Client:	THE LEARNING CIRCLE YMCA	Date Collected:	10/24/24
Project:	Drinking Water Analysis 2024	Date Received:	10/24/24
Client Sample ID:	INFANT-2-SINK-B	SDG No.:	P4539
Lab Sample ID:	P4539-20	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-50-8	Copper	220		1	0.79	2.00	ug/L	11/01/24 14:00	11/07/24 00:37	200.8	
7439-92-1	Lead	0.43	J	1	0.27	1.00	ug/L	11/01/24 14:00	11/07/24 00:37	200.8	

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
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 OR = Over Range
 N =Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: THE LEARNING CIRCLE YMCA **SDG No.:** P4539

Contract: THEL05 **Lab Code:** CHEM **Case No.:** P4539 **SAS No.:** P4539

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Copper	109	100	109	90 - 110	P	11/06/2024	22:37	LB133345
	Lead	220	200	110	90 - 110	P	11/06/2024	22:37	LB133345

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: THE LEARNING CIRCLE YMCA **SDG No.:** P4539

Contract: THEL05 **Lab Code:** CHEM **Case No.:** P4539 **SAS No.:** P4539

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Copper	4790	5000	96	90 - 110	P	11/06/2024	22:56	LB133345
	Lead	2430	2500	97	90 - 110	P	11/06/2024	22:56	LB133345
CCV02	Copper	4920	5000	98	90 - 110	P	11/06/2024	23:41	LB133345
	Lead	2390	2500	96	90 - 110	P	11/06/2024	23:41	LB133345
CCV03	Copper	4910	5000	98	90 - 110	P	11/07/2024	00:23	LB133345
	Lead	2400	2500	96	90 - 110	P	11/07/2024	00:23	LB133345
CCV04	Copper	4880	5000	98	90 - 110	P	11/07/2024	01:04	LB133345
	Lead	2410	2500	97	90 - 110	P	11/07/2024	01:04	LB133345
CCV05	Copper	4840	5000	97	90 - 110	P	11/07/2024	01:46	LB133345
	Lead	2400	2500	96	90 - 110	P	11/07/2024	01:46	LB133345
CCV06	Copper	4900	5000	98	90 - 110	P	11/07/2024	02:27	LB133345
	Lead	2420	2500	97	90 - 110	P	11/07/2024	02:27	LB133345
CCV07	Copper	4990	5000	100	90 - 110	P	11/07/2024	03:09	LB133345
	Lead	2430	2500	97	90 - 110	P	11/07/2024	03:09	LB133345
CCV08	Copper	4880	5000	98	90 - 110	P	11/07/2024	03:39	LB133345
	Lead	2420	2500	97	90 - 110	P	11/07/2024	03:39	LB133345



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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: THE LEARNING CIRCLE YMCA

SDG No.: P4539

Contract: THEL05

Lab Code: CHEM

Case No.: P4539

SAS No.: P4539

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
CRI	Copper	1.85	2.0	92	70 - 130	P	11/06/2024	23:07	LB133345
	Lead	0.97	1.0	97	70 - 130	P	11/06/2024	23:07	LB133345



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: THE LEARNING CIRCLE YMCA

SDG No.: P4539

Contract: THEL05

Lab Code: CHEM

Case No.: P4539

SAS No.: P4539

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Copper	2.00	+/-2.00	U	2.00	P	11/06/2024	22:41	LB133345
	Lead	1.00	+/-1.00	U	1.00	P	11/06/2024	22:41	LB133345

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: THE LEARNING CIRCLE YMCA		SDG No.: P4539							
Contract: THEL05	Lab Code: CHEM	Case No.: P4539	SAS No.: P4539						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Copper	2.00	+/-2.00	U	2.00	P	11/06/2024	22:59	LB133345
	Lead	1.00	+/-1.00	U	1.00	P	11/06/2024	22:59	LB133345
CCB02	Copper	2.00	+/-2.00	U	2.00	P	11/06/2024	23:45	LB133345
	Lead	1.00	+/-1.00	U	1.00	P	11/06/2024	23:45	LB133345
CCB03	Copper	2.00	+/-2.00	U	2.00	P	11/07/2024	00:26	LB133345
	Lead	1.00	+/-1.00	U	1.00	P	11/07/2024	00:26	LB133345
CCB04	Copper	2.00	+/-2.00	U	2.00	P	11/07/2024	01:07	LB133345
	Lead	1.00	+/-1.00	U	1.00	P	11/07/2024	01:07	LB133345
CCB05	Copper	2.00	+/-2.00	U	2.00	P	11/07/2024	01:50	LB133345
	Lead	1.00	+/-1.00	U	1.00	P	11/07/2024	01:50	LB133345
CCB06	Copper	2.00	+/-2.00	U	2.00	P	11/07/2024	02:30	LB133345
	Lead	1.00	+/-1.00	U	1.00	P	11/07/2024	02:30	LB133345
CCB07	Copper	2.00	+/-2.00	U	2.00	P	11/07/2024	03:12	LB133345
	Lead	1.00	+/-1.00	U	1.00	P	11/07/2024	03:12	LB133345
CCB08	Copper	2.00	+/-2.00	U	2.00	P	11/07/2024	03:43	LB133345
	Lead	1.00	+/-1.00	U	1.00	P	11/07/2024	03:43	LB133345

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: THE LEARNING CIRCLE YMCA

SDG No.: P4539

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164603BL		WATER		Batch Number:	PB164603		Prep Date:	11/01/2024	
	Copper	2.00	<2.00	U	2.00	P	11/06/2024	23:10	LB133345
	Lead	1.00	<1.00	U	1.00	P	11/06/2024	23:10	LB133345

Metals

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INTERFERENCE CHECK SAMPLE

Client: THE LEARNING CIRCLE YMCA **SDG No.:** P4539
Contract: THEL05 **Lab Code:** CHEM **Case No.:** P4539 **SAS No.:** P4539
ICS Source: EPA **Instrument ID:** P7

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	Copper	7.91	8.0	99	4	12	11/06/2024	22:44	LB133345
	Lead	3.86	4.0	96	2	6	11/06/2024	22:44	LB133345
ICSAB01	Copper	23.5	25.0	94	21	29	11/06/2024	22:52	LB133345
	Lead	22.1	25.0	88	21.3	28.8	11/06/2024	22:52	LB133345



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>THE LEARNING CIRCLE YMCA</u>	level: <u>low</u>	sdg no.: <u>P4539</u>
contract: <u>THEL05</u>	lab code: <u>CHEM</u>	case no.: <u>P4539</u> sas no.: <u>P4539</u>
matrix: <u>Water</u>	sample id: <u>P4539-20</u>	client id: <u>INFANT-2-SINK-BMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4539-20MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Copper	ug/L	70 - 130	5580		220		5000	107		P
Lead	ug/L	70 - 130	2940		0.43	J	2500	118		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: THE LEARNING CIRCLE YMCA **level:** low **sdg no.:** P4539
contract: THEL05 **lab code:** CHEM **case no.:** P4539 **sas no.:** P4539
matrix: Water **sample id:** P4539-20 **client id:** INFANT-2-SINK-BMSD
Percent Solids for Sample: NA **Spiked ID:** P4539-20MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Copper	ug/L	70 - 130	5460		220		5000	105		P
Lead	ug/L	70 - 130	2890		0.43	J	2500	116		P

Metals

- 5b -

Client: THE LEARNING CIRCLE YMCA

SDG No.: P4539

Contract: THEL05

Lab Code: CHEM

Case No.: P4539 **SAS No.:** P4539

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

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DUPLICATE SAMPLE SUMMARY

Client: THE LEARNING CIRCLE YMCA **Level:** LOW **SDG No.:** P4539
Contract: THEL05 **Lab Code:** CHEM **Case No.:** P4539 **SAS No.:** P4539
Matrix: Water **Sample ID:** P4539-20 **Client ID:** INFANT-2-SINK-BDUP
Percent Solids for Sample: NA **Duplicate ID** P4539-20DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Copper	ug/L	20	220		216		2		P
Lead	ug/L	20	0.43	J	1.00	U	200.0		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: THE LEARNING CIRCLE YMCA **Level:** LOW **SDG No.:** P4539
Contract: THEL05 **Lab Code:** CHEM **Case No.:** P4539 **SAS No.:** P4539
Matrix: Water **Sample ID:** P4539-20MS **Client ID:** INFANT-2-SINK-BMSD
Percent Solids for Sample: NA **Duplicate ID** P4539-20MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Copper	ug/L	20	5580		5460		2		P
Lead	ug/L	20	2940		2890		2		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: THE LEARNING CIRCLE YMCA

SDG No.: P4539

Contract: THEL05

Lab Code: CHEM

Case No.: P4539

SAS No.: P4539

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164603BS							
Copper	ug/L	5000	5140		103	85 - 115	P
Lead	ug/L	2500	2520		101	85 - 115	P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

INFANT-2-SINK-BL

Lab Name: Chemtech Consulting Group

Contract: THEL05

Lab Code: CHEM **Lb No.:** lb133345 **Lab Sample ID :** P4539-20L **SDG No.:** P4539

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		C	Serial Dilution Result (S)		C	% Differ- ence	Q	M
Copper		220			158		28		P
Lead		0.43	J		5.00	U	100.0		P



METAL PREPARATION & INSTRUMENT DATA



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: THE LEARNING CIRCLE YMCA

SDG No.: P4539

Contract: THEL05

Lab Code: CHEM

Method:

Case No.: P4539 **SAS No.:** P4539

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164603							
P4539-01	TODDLER-1-SINK-A	SAM	WATER	11/01/2024	50.0	50.0	
P4539-02	TODDLER-1-SINK-B	SAM	WATER	11/01/2024	50.0	50.0	
P4539-03	TODDLER-2-SINK-A	SAM	WATER	11/01/2024	50.0	50.0	
P4539-04	TODDLER-2-SINK-B	SAM	WATER	11/01/2024	50.0	50.0	
P4539-05	TODDLER-3-SINK-A	SAM	WATER	11/01/2024	50.0	50.0	
P4539-06	TODDLER-3-SINK-B	SAM	WATER	11/01/2024	50.0	50.0	
P4539-07	TODDLER-4-SINK-A	SAM	WATER	11/01/2024	50.0	50.0	
P4539-08	TODDLER-4-SINK-B	SAM	WATER	11/01/2024	50.0	50.0	
P4539-09	KITCHEN-FOOD-WASH-SINK-A	SAM	WATER	11/01/2024	50.0	50.0	
P4539-10	KITCHEN-FOOD-WASH-SINK-B	SAM	WATER	11/01/2024	50.0	50.0	
P4539-11	KITCHEN-DISH-WASH-SINK-A	SAM	WATER	11/01/2024	50.0	50.0	
P4539-12	KITCHEN-DISH-WASH-SINK-B	SAM	WATER	11/01/2024	50.0	50.0	
P4539-13	WATER-FOUNTAIN-A	SAM	WATER	11/01/2024	50.0	50.0	
P4539-14	WATER-FOUNTAIN-B	SAM	WATER	11/01/2024	50.0	50.0	
P4539-15	ADK-SINK-A	SAM	WATER	11/01/2024	50.0	50.0	
P4539-16	ADK-SINK-B	SAM	WATER	11/01/2024	50.0	50.0	
P4539-17	ROOM-12-SINK-A	SAM	WATER	11/01/2024	50.0	50.0	
P4539-18	ROOM-12-SINK-B	SAM	WATER	11/01/2024	50.0	50.0	
P4539-19	INFANT-2-SINK-A	SAM	WATER	11/01/2024	50.0	50.0	
P4539-20	INFANT-2-SINK-B	SAM	WATER	11/01/2024	50.0	50.0	
P4539-20DUP	INFANT-2-SINK-BDUP	DUP	WATER	11/01/2024	50.0	50.0	
P4539-20MS	INFANT-2-SINK-BMS	MS	WATER	11/01/2024	50.0	50.0	
P4539-20MSD	INFANT-2-SINK-BMSD	MSD	WATER	11/01/2024	50.0	50.0	
PB164603BL	PB164603BL	MB	WATER	11/01/2024	50.0	50.0	
PB164603BS	PB164603BS	LCS	WATER	11/01/2024	50.0	50.0	

metals
- 14 -
ANALYSIS RUN LOG

Client: THE LEARNING CIRCLE YMCA

Contract: THEL05

Lab code: CHEM **Case no.:** P4539 **Sas no.:** P4539

Sdg no.: P4539

Instrument id number: **Method:**

Run number: LB133345

Start date: 11/06/2024 **End date:** 11/07/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	2157	Cu,Pb
S2	S2	1	2201	Cu,Pb
S3	S3	1	2204	Cu,Pb
S4	S4	1	2209	Cu,Pb
S5	S5	1	2216	Cu,Pb
S6	S6	1	2219	Cu,Pb
S7	S7	1	2222	Cu,Pb
S8	S8	1	2225	,
ICV01	ICV01	1	2237	Cu,Pb
ICB01	ICB01	1	2241	Cu,Pb
ICSA01	ICSA01	1	2244	Cu,Pb
ICSAB01	ICSAB01	1	2252	Cu,Pb
CCV01	CCV01	1	2256	Cu,Pb
CCB01	CCB01	1	2259	Cu,Pb
CRI	CRI	1	2307	Cu,Pb
PB164603BL	PB164603BL	1	2310	Cu,Pb
PB164603BS	PB164603BS	1	2314	Cu,Pb
P4539-01	TODDLER-1-SINK-A	1	2317	Cu,Pb
P4539-02	TODDLER-1-SINK-B	1	2320	Cu,Pb
P4539-03	TODDLER-2-SINK-A	1	2324	Cu,Pb
P4539-04	TODDLER-2-SINK-B	1	2327	Cu,Pb
P4539-05	TODDLER-3-SINK-A	1	2331	Cu,Pb
P4539-06	TODDLER-3-SINK-B	1	2334	Cu,Pb
P4539-07	TODDLER-4-SINK-A	1	2338	Cu,Pb
CCV02	CCV02	1	2341	Cu,Pb
CCB02	CCB02	1	2345	Cu,Pb
P4539-08	TODDLER-4-SINK-B	1	2348	Cu,Pb
P4539-09	KITCHEN-FOOD-WASH-SINK	1	2352	Cu,Pb
P4539-10	KITCHEN-FOOD-WASH-SINK	1	2355	Cu,Pb
P4539-11	KITCHEN-DISH-WASH-SINK-	1	2359	Cu,Pb
P4539-12	KITCHEN-DISH-WASH-SINK-	1	0002	Cu,Pb
P4539-13	WATER-FOUNTAIN-A	1	0006	Cu,Pb
P4539-14	WATER-FOUNTAIN-B	1	0009	Cu,Pb
P4539-15	ADK-SINK-A	1	0013	Cu,Pb
P4539-16	ADK-SINK-B	1	0016	Cu,Pb
P4539-17	ROOM-12-SINK-A	1	0020	Cu,Pb
CCV03	CCV03	1	0023	Cu,Pb
CCB03	CCB03	1	0026	Cu,Pb
P4539-18	ROOM-12-SINK-B	1	0030	Cu,Pb
P4539-19	INFANT-2-SINK-A	1	0034	Cu,Pb
P4539-20	INFANT-2-SINK-B	1	0037	Cu,Pb

metals
- 14 -
ANALYSIS RUN LOG

Client: THE LEARNING CIRCLE YMCA

Contract: THEL05

Lab code: CHEM **Case no.:** P4539 **Sas no.:** P4539

Sdg no.: P4539

Instrument id number: **Method:**

Run number: LB133345

Start date: 11/06/2024 **End date:** 11/07/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
P4539-20DUP	INFANT-2-SINK-BDUP	1	0041	Cu,Pb
P4539-20L	INFANT-2-SINK-BL	5	0044	Cu,Pb
P4539-20MS	INFANT-2-SINK-BMS	1	0048	Cu,Pb
P4539-20MSD	INFANT-2-SINK-BMSD	1	0051	Cu,Pb
CCV04	CCV04	1	0104	Cu,Pb
CCB04	CCB04	1	0107	Cu,Pb
CCV05	CCV05	1	0146	Cu,Pb
CCB05	CCB05	1	0150	Cu,Pb
CCV06	CCV06	1	0227	Cu,Pb
CCB06	CCB06	1	0230	Cu,Pb
CCV07	CCV07	1	0309	Cu,Pb
CCB07	CCB07	1	0312	Cu,Pb
CCV08	CCV08	1	0339	Cu,Pb
CCB08	CCB08	1	0343	Cu,Pb

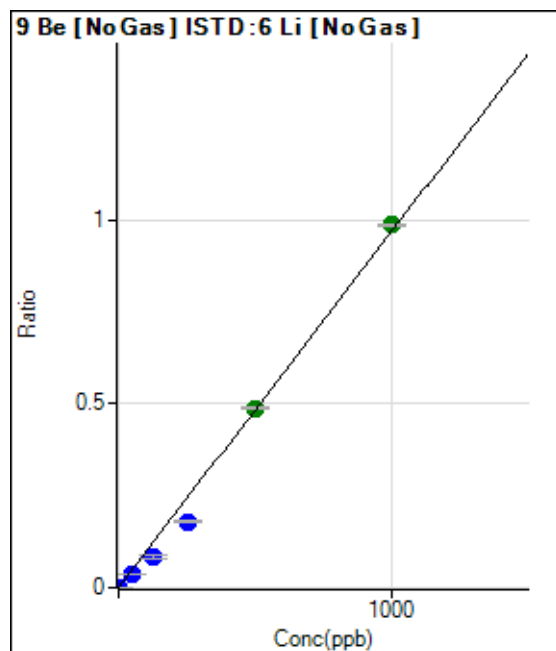


METAL RAW DATA

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7110624-2.b\
Analysis File: P7110624-2.batch.bin
DA Date-Time: 2024-11-07 10:11:38
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2024-11-06 21:57:38
2	005CALS.d	S02	2024-11-06 22:01:11
3	006CALS.d	S03	2024-11-06 22:04:45
4	007CALS.d	S04	2024-11-06 22:09:28
5	008CALS.d	S05	2024-11-06 22:16:01
6	009CALS.d	S06	2024-11-06 22:19:14
7	010CALS.d	S07	2024-11-06 22:22:26
8	011CALS.d	S08	2024-11-06 22:25:39

Calibration for 096SMPL.d



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	75.56	0.0000	P	25.
2	☐	1.000	0.767	1700.11	0.0008	P	3.9
3	☐	50.000	38.447	83532.84	0.0373	P	1.4
4	☐	125.000	87.056	195706.78	0.0844	P	8.7
5	☐	250.000	186.096	403911.62	0.1804	P	1.7
6	☐	500.000	504.306	1131785.98	0.4888	A	1.2
7	☐	1000.000	1019.144	2430078.82	0.9877	A	0.8
8	☐			181.11	0.0001	P	14.

$$y = 9.6914E-004 * x + 3.4759E-005$$

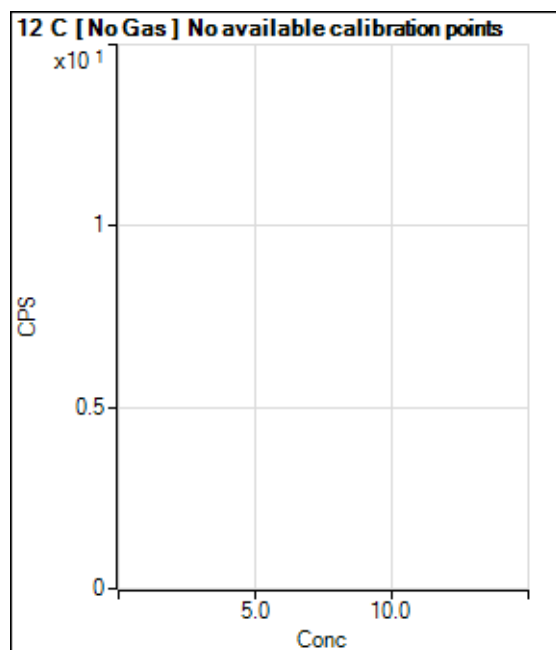
$$R = 0.9976$$

$$DL = 0.02708$$

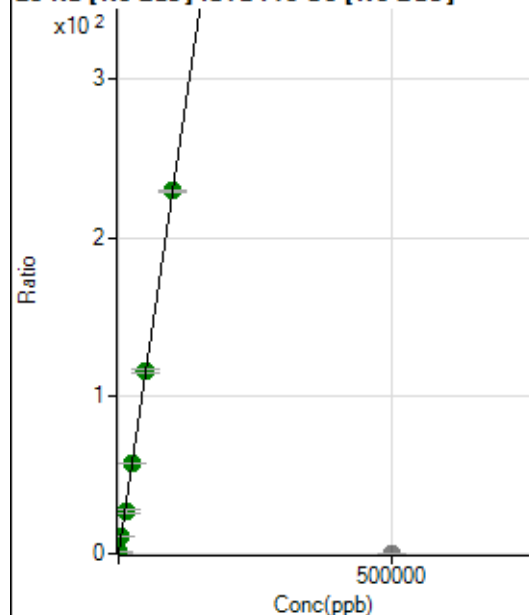
$$BEC = 0.03587$$

Weight: <None>

Min Conc: 0



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			2880741.34		A	1.3
2	☐			2882379.78		A	0.8
3	☐			3100863.52		A	1.3
4	☐			3087422.42		A	1.8
5	☐			3110826.29		A	1.7
6	☐			3237118.25		A	4.1
7	☐			3726856.05		A	4.5
8	☐			3312341.02		A	4.8

23 Na [No Gas] ISTD:45 Sc [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	607573.98	0.0806	P	1.1
2	☐	500.000	506.117	9361802.30	1.2419	A	1.5
3	☐	5000.000	4979.464	87778969.21	11.5058	A	0.5
4	☐	12500.000	11674.165	206241013.75	26.8666	A	8.4
5	☐	25000.000	24918.407	424309467.86	57.2550	A	0.9
6	☐	50000.000	50341.990	860341377.74	115.588	A	1.6
7	☐	100000.00	99953.629	1874744932.2	229.420	A	0.8
8	☒	500000.00	OR	OR	0.0000	E	-6.0

$$y = 0.0023 * x + 0.0806$$

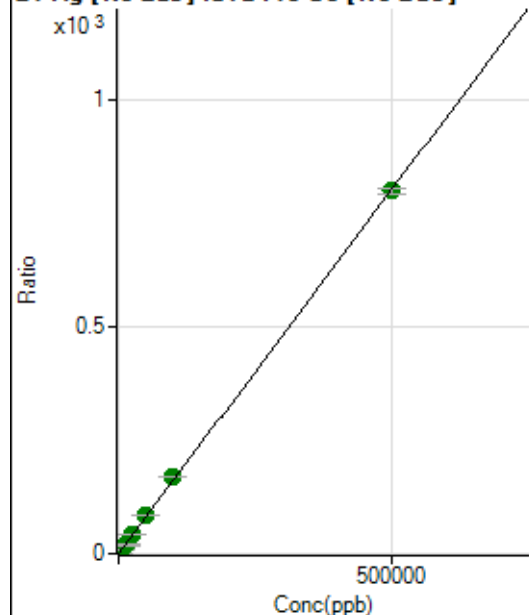
$$R = 1.0000$$

$$DL = 1.113$$

$$BEC = 35.14$$

Weight: <None>

Min Conc: 0

24 Mg [No Gas] ISTD:45 Sc [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	109947.50	0.0146	P	1.4
2	☐	500.000	515.824	6338477.06	0.8408	A	0.8
3	☐	5000.000	5105.546	62497745.54	8.1927	A	0.6
4	☐	12500.000	12149.022	149515229.96	19.4750	A	7.9
5	☐	25000.000	25896.671	307535491.33	41.4962	A	0.8
6	☐	50000.000	52904.539	630832343.45	84.7577	A	1.9
7	☐	100000.00	105218.86	1377252670.8	168.555	A	1.4
8	☐	500000.00	498628.64	6248947447.3	798.723	A	1.5

$$y = 0.0016 * x + 0.0146$$

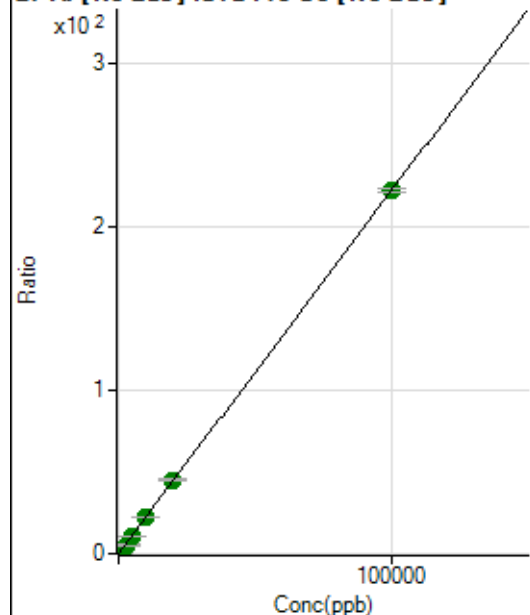
$$R = 0.9999$$

$$DL = 0.3712$$

$$BEC = 9.108$$

Weight: <None>

Min Conc: 0

27 Al [No Gas] ISTD :45 Sc [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	103144.74	0.0137	P	9.0
2	☐	20.000	13.315	326496.26	0.0433	P	1.9
3	☐	1000.000	1022.489	17451068.79	2.2874	A	0.4
4	☐	2500.000	2343.042	40101605.19	5.2240	A	7.8
5	☐	5000.000	4967.249	81963053.50	11.0595	A	0.2
6	☐	10000.000	10180.720	168632116.18	22.6529	A	1.3
7	☐	20000.000	20290.929	368797127.47	45.1352	A	1.5
8	☐	100000.00	99929.080	1738745190.6	222.228	A	1.1

$$y = 0.0022 * x + 0.0137$$

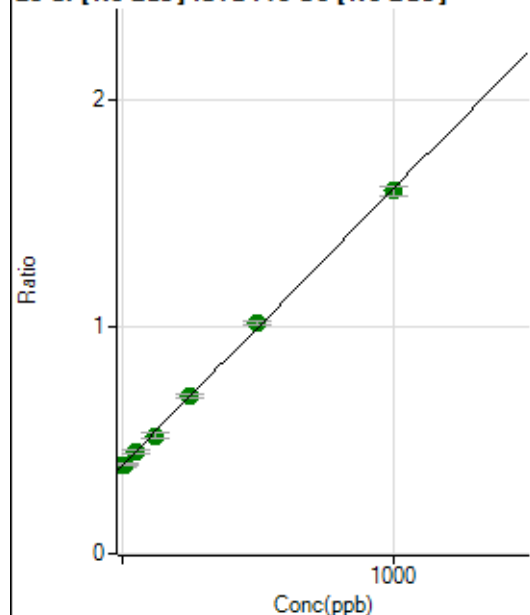
$$R = 1.0000$$

$$DL = 1.661$$

$$BEC = 6.163$$

Weight: <None>

Min Conc: 0

28 Si [No Gas] ISTD :45 Sc [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2913375.27	0.3867	A	2.9
2	☐	10.000	4.872	2958410.72	0.3926	A	3.1
3	☐	50.000	50.343	3416107.17	0.4480	A	2.8
4	☐	125.000	108.347	3982281.71	0.5186	A	4.2
5	☐	250.000	252.302	5141330.20	0.6938	A	1.5
6	☐	500.000	514.160	7536303.92	1.0125	A	1.8
7	☐	1000.000	994.460	13048072.72	1.5971	A	2.3
8	☐			2775842.35	0.3549	A	2.1

$$y = 0.0012 * x + 0.3867$$

$$R = 0.9997$$

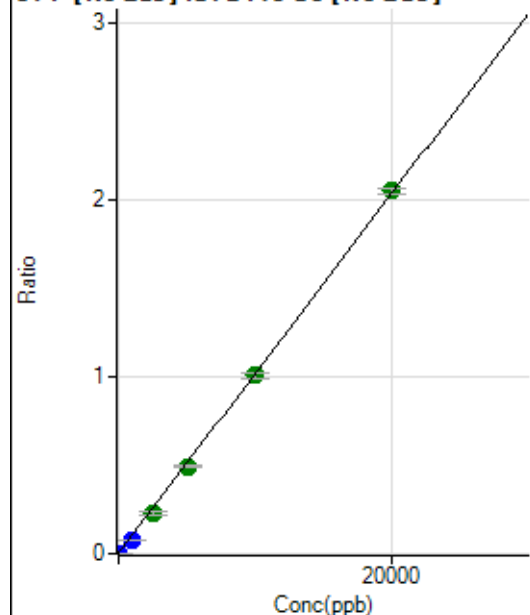
$$DL = 27.75$$

$$BEC = 317.7$$

Weight: <None>

Min Conc: 0

31 P [No Gas] ISTD:45 Sc [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	-11.423	20407.97	0.0027	P	1.9
2	☐	0.000	11.423	37918.78	0.0050	P	0.4
3	☐	1000.000	735.761	599797.84	0.0786	P	0.6
4	☐	2500.000	2229.474	1768314.91	0.2304	A	8.9
5	☐	5000.000	4814.447	3653327.44	0.4930	A	1.7
6	☐	10000.000	9866.595	7489557.58	1.0064	A	2.3
7	☐	20000.000	20160.118	16769774.18	2.0523	A	1.3
8	☐			20979.18	0.0027	P	2.2

$$y = 1.0161\text{E-}004 * x + 0.0039$$

$$R = 0.9998$$

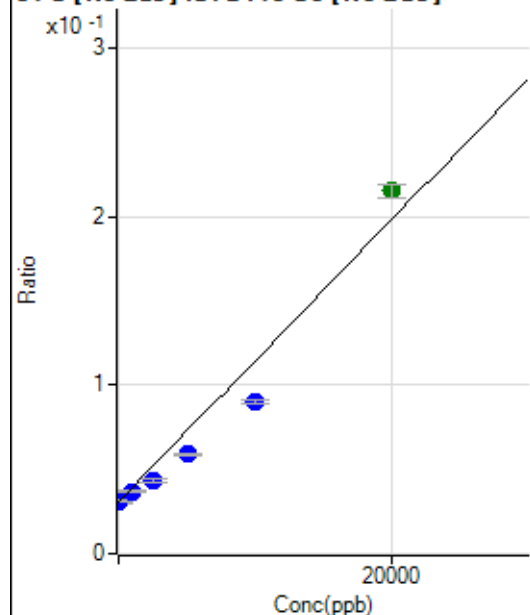
$$DL = 1.057$$

$$BEC = 38.08$$

Weight: <None>

Min Conc: 0

34 S [No Gas] ISTD:45 Sc [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	-24.712	230955.31	0.0307	P	3.4
2	☐	0.000	24.712	234114.52	0.0311	P	3.1
3	☐	1000.000	700.379	280083.32	0.0367	P	2.4
4	☐	2500.000	1500.372	333268.97	0.0434	P	7.2
5	☐	5000.000	3360.416	437073.87	0.0590	P	2.1
6	☐	10000.000	7051.892	668843.03	0.0899	P	3.2
7	☐	20000.000	22023.885	1757594.99	0.2152	A	4.1
8	☐			217241.34	0.0278	P	4.6

$$y = 8.3699\text{E-}006 * x + 0.0309$$

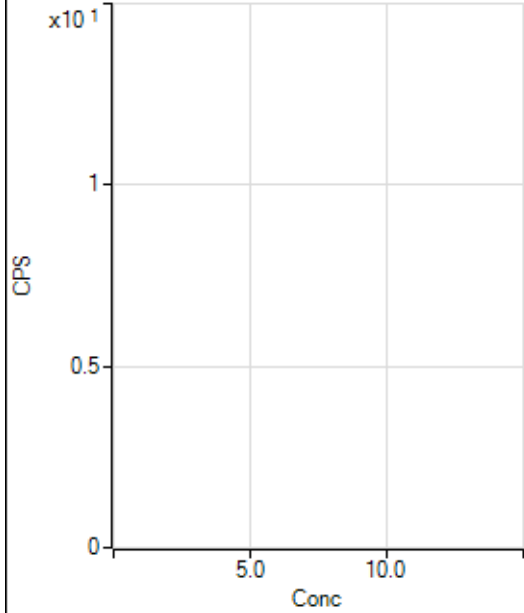
$$R = 0.9826$$

$$DL = 360$$

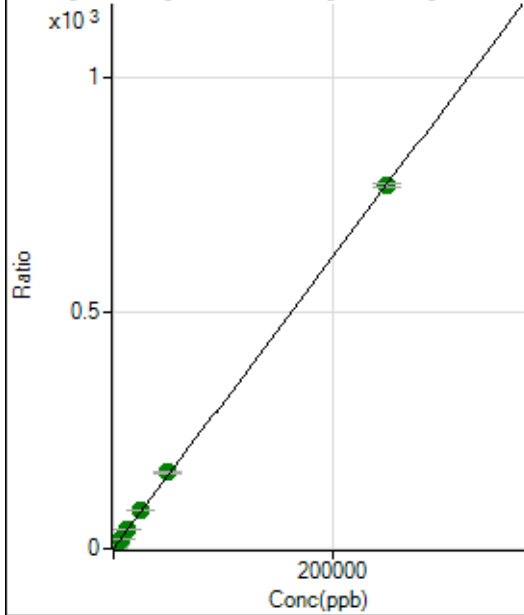
$$BEC = 3688$$

Weight: <None>

Min Conc: 0

35 Cl [No Gas] No available calibration points

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

39 K [No Gas] ISTD :45 Sc [No Gas]

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3694003.12	0.4904	A	3.6
2	☐	500.000	522.790	15840843.41	2.1016	A	1.3
3	☐	2500.000	2612.625	65159448.82	8.5423	A	1.0
4	☐	6250.000	6072.880	147434634.44	19.2065	A	8.1
5	☐	12500.000	12964.633	299729282.06	40.4463	A	0.7
6	☐	25000.000	26252.833	605827379.37	81.3995	A	2.0
7	☐	50000.000	52116.179	1316312879.8	161.108	A	1.9
8	☐	250000.00	249431.50	6018097779.1	769.218	A	1.2

$$y = 0.0031 * x + 0.4904$$

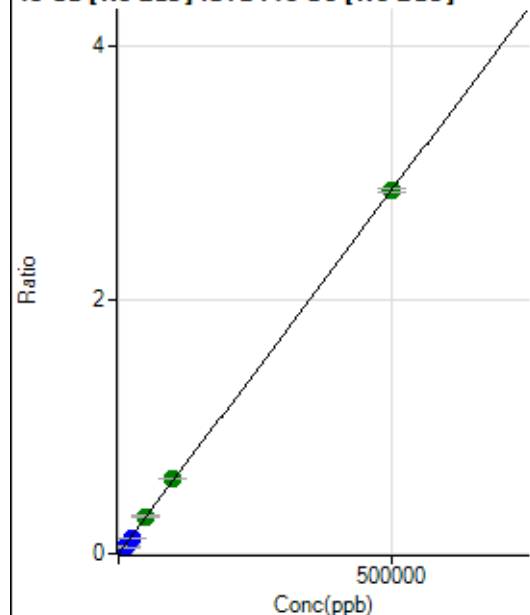
$$R = 1.0000$$

$$DL = 17.41$$

$$BEC = 159.1$$

Weight: <None>

Min Conc: 0

43 Ca [No Gas] ISTD:45 Sc [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1226.74	0.0002	P	7.7
2	☐	500.000	408.042	18855.15	0.0025	P	2.2
3	☐	5000.000	4082.396	179761.12	0.0236	P	0.1
4	☐	12500.000	9415.335	415572.04	0.0541	P	7.5
5	☐	25000.000	19948.079	848555.42	0.1145	P	1.1
6	☐	50000.000	51388.018	2193532.59	0.2947	A	2.0
7	☐	100000.00	103754.81	4861101.35	0.5949	A	1.5
8	☐	500000.00	499449.21	22401643.70	2.8631	A	1.0

$$y = 5.7321\text{E-}006 * x + 1.6252\text{E-}004$$

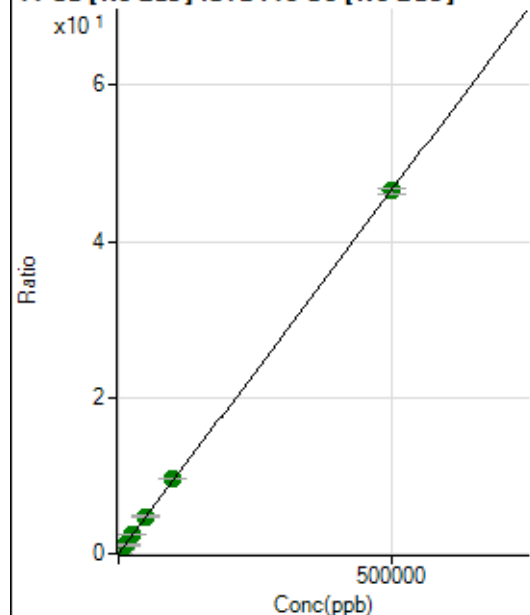
$$R = 0.9999$$

$$DL = 6.527$$

$$BEC = 28.35$$

Weight: <None>

Min Conc: 0

44 Ca [No Gas] ISTD:45 Sc [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	26516.06	0.0035	P	1.1
2	☐	500.000	412.692	316056.47	0.0419	P	0.9
3	☐	5000.000	5091.749	3641932.34	0.4774	A	0.2
4	☐	12500.000	11884.419	8518892.17	1.1096	A	7.5
5	☐	25000.000	25208.181	17412689.60	2.3496	A	0.4
6	☐	50000.000	51237.919	35516107.81	4.7721	A	2.1
7	☐	100000.00	102849.90	78243800.50	9.5756	A	1.6
8	☐	500000.00	499310.37	363593274.58	46.4735	A	1.4

$$y = 9.3068\text{E-}005 * x + 0.0035$$

$$R = 1.0000$$

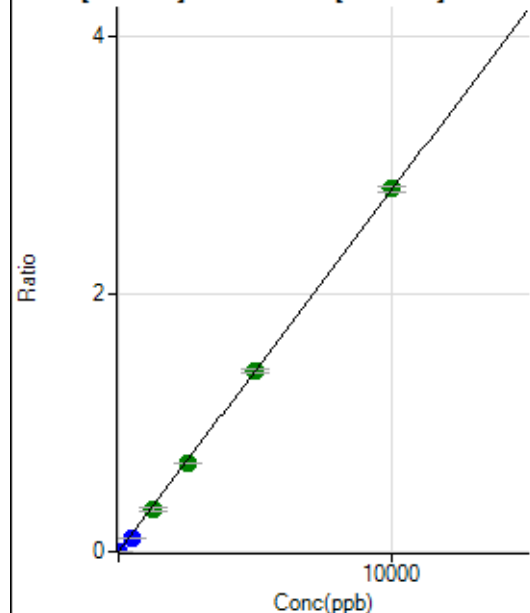
$$DL = 1.215$$

$$BEC = 37.8$$

Weight: <None>

Min Conc: 0

47 Ti [No Gas] ISTD:45 Sc [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	413.35	0.0001	P	16.
2	☐	5.000	3.797	8431.31	0.0011	P	2.9
3	☐	500.000	374.742	801683.53	0.1051	P	0.5
4	☐	1250.000	1153.479	2482148.59	0.3234	A	8.7
5	☐	2500.000	2449.720	5088663.78	0.6867	A	0.8
6	☐	5000.000	4991.898	10413328.73	1.3992	A	2.1
7	☐	10000.000	10034.950	22981529.10	2.8127	A	1.6
8	☐			1562.32	0.0002	P	8.5

$$y = 2.8028\text{E-}004 * x + 5.4787\text{E-}005$$

$$R = 0.9999$$

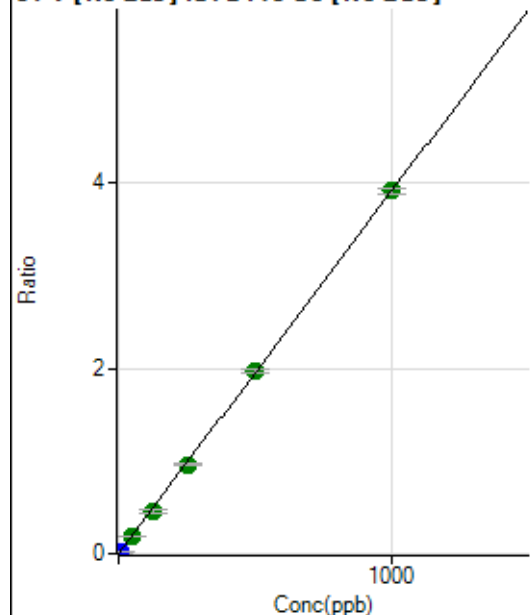
$$DL = 0.09569$$

$$BEC = 0.1955$$

Weight: <None>

Min Conc: 0

51 V [No Gas] ISTD:45 Sc [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	373.72	0.0000	P	16.
2	☐	5.000	3.901	115485.00	0.0153	P	1.4
3	☐	50.000	49.624	1482144.37	0.1943	A	1.2
4	☐	125.000	115.685	3476586.52	0.4528	A	7.5
5	☐	250.000	245.895	7132732.17	0.9624	A	0.8
6	☐	500.000	502.166	14628136.79	1.9654	A	1.9
7	☐	1000.000	1001.132	32014765.30	3.9183	A	1.5
8	☐			4285.03	0.0005	P	3.0

$$y = 0.0039 * x + 4.9493\text{E-}005$$

$$R = 1.0000$$

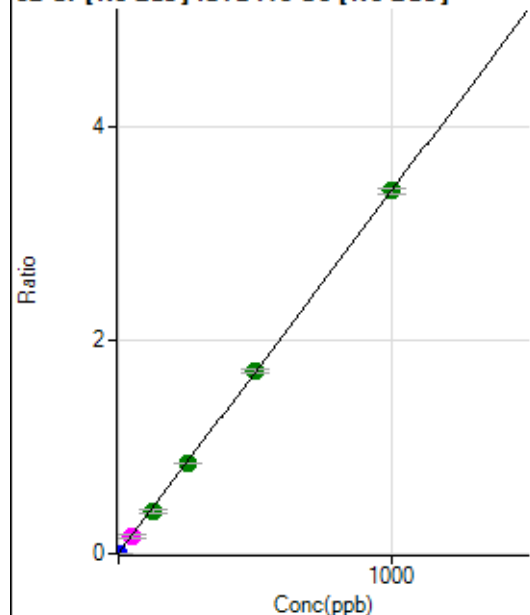
$$DL = 0.006258$$

$$BEC = 0.01265$$

Weight: <None>

Min Conc: 0

52 Cr [No Gas] ISTD :45 Sc [No Gas]



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19312.49	0.0026	P	1.1
2	☐	2.000	1.626	60979.16	0.0081	P	1.9
3	☐	50.000	46.878	1237724.04	0.1619	M	15.
4	☐	125.000	117.296	3080413.15	0.4012	A	8.0
5	☐	250.000	247.772	6259517.89	0.8447	A	1.5
6	☐	500.000	503.538	12757049.39	1.7141	A	2.0
7	☐	1000.000	999.908	27790482.36	3.4012	A	1.4
8	☐			69967.99	0.0089	P	3.0

$$y = 0.0034 * x + 0.0026$$

$$R = 1.0000$$

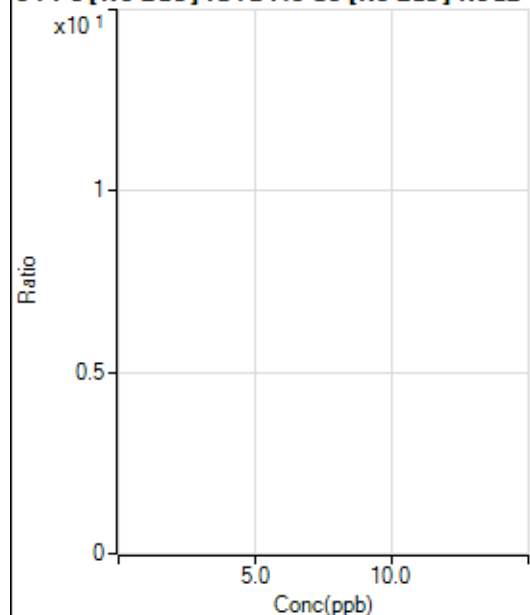
$$DL = 0.02601$$

$$BEC = 0.7539$$

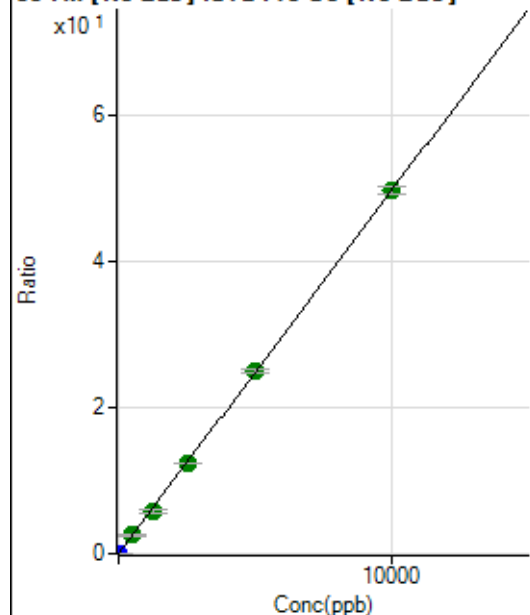
Weight: <None>

Min Conc: 0

54 Fe [No Gas] ISTD :45 Sc [No Gas] No a_



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000					
2	☐	50.000					
3	☐	2500.000					
4	☐	6250.000					
5	☐	12500.000					
6	☐	25000.000					
7	☐	50000.000					
8	☐	250000.00					

55 Mn [No Gas] ISTD:45 Sc [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	14862.56	0.0020	P	3.0
2	☐	1.000	0.801	44892.72	0.0060	P	2.0
3	☐	500.000	504.182	19133568.52	2.5082	A	0.7
4	☐	1250.000	1166.811	44546615.05	5.8020	A	7.7
5	☐	2500.000	2497.134	91995463.89	12.4149	A	1.6
6	☐	5000.000	5027.929	186035956.07	24.9951	A	1.8
7	☐	10000.000	9996.942	406021066.76	49.6954	A	2.0
8	☐			128077.20	0.0164	P	1.3

$$y = 0.0050 * x + 0.0020$$

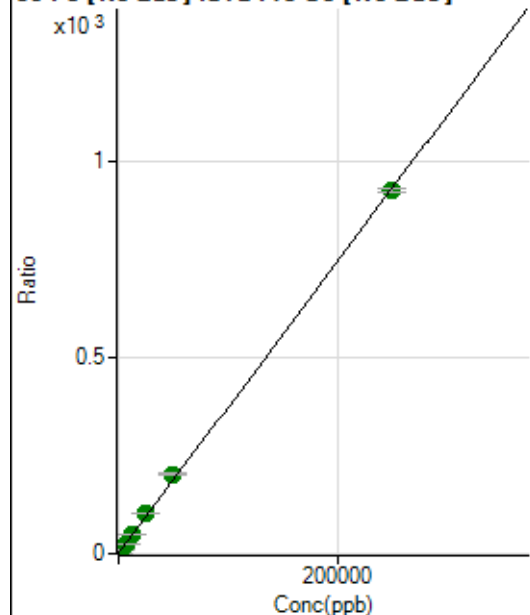
$$R = 1.0000$$

$$DL = 0.03544$$

$$BEC = 0.3967$$

Weight: <None>

Min Conc: 0

56 Fe [No Gas] ISTD:45 Sc [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	6671906.57	0.8855	A	2.6
2	☐	50.000	55.011	8213799.76	1.0901	A	3.1
3	☐	2500.000	2687.009	82998524.77	10.8792	A	0.4
4	☐	6250.000	6223.975	184532933.10	24.0340	A	7.5
5	☐	12500.000	13295.621	372982933.13	50.3352	A	1.7
6	☐	25000.000	27271.910	761524737.91	102.316	A	1.9
7	☐	50000.000	54243.508	1655612687.7	202.630	A	1.6
8	☐	250000.00	248883.10	7249614212.1	926.541	A	1.2

$$y = 0.0037 * x + 0.8855$$

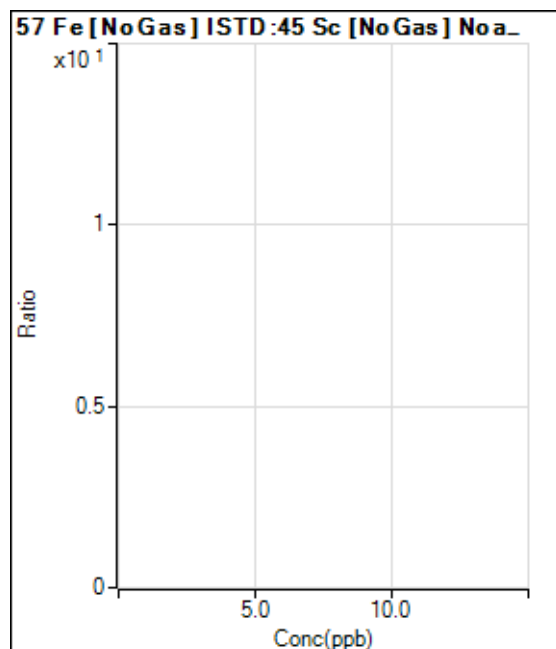
$$R = 0.9998$$

$$DL = 18.87$$

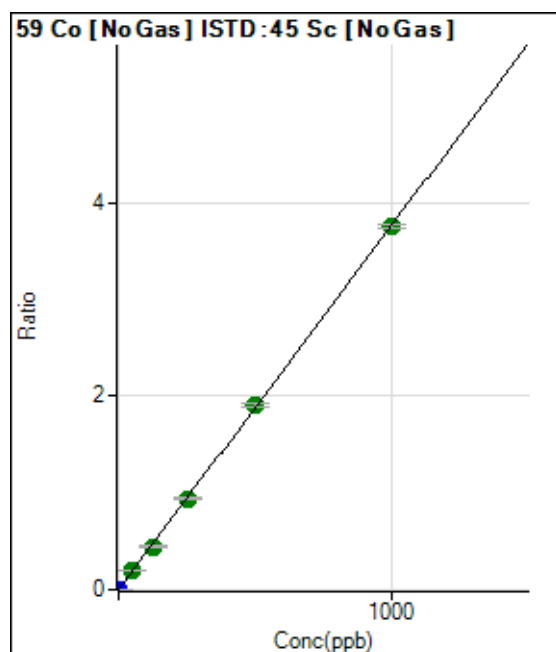
$$BEC = 238.1$$

Weight: <None>

Min Conc: 0



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000					
2	☐	50.000					
3	☐	2500.000					
4	☐	6250.000					
5	☐	12500.000					
6	☐	25000.000					
7	☐	50000.000					
8	☐	250000.00					



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	697.41	0.0001	P	3.5
2	☐	1.000	0.846	24665.55	0.0033	P	0.6
3	☐	50.000	51.267	1471166.43	0.1928	A	0.3
4	☐	125.000	118.771	3428745.05	0.4466	A	7.1
5	☐	250.000	250.470	6978677.91	0.9418	A	1.5
6	☐	500.000	508.504	14229953.41	1.9119	A	1.9
7	☐	1000.000	996.346	30610069.82	3.7460	A	1.0
8	☐			50740.57	0.0065	P	3.3

$y = 0.0038 * x + 9.2469E-005$

R = 0.9999

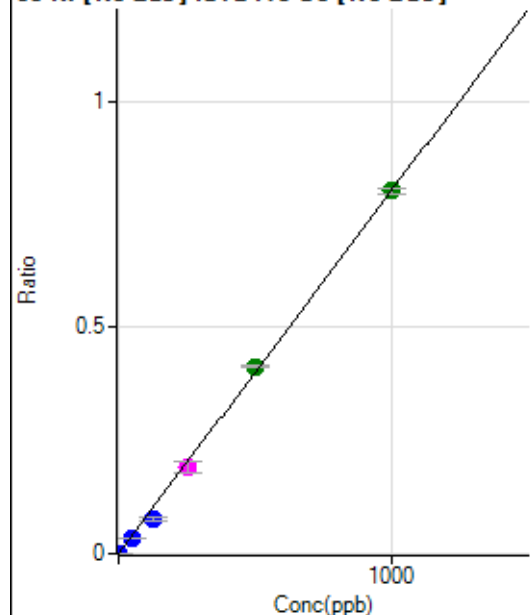
DL = 0.002569

BEC = 0.02459

Weight: <None>

Min Conc: 0

60 Ni [No Gas] ISTD:45 Sc [No Gas]



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	841.15	0.0001	P	2.3
2	☐	1.000	0.807	5718.92	0.0008	P	1.3
3	☐	50.000	40.986	251572.73	0.0330	P	0.7
4	☐	125.000	94.553	582843.58	0.0759	P	8.1
5	☐	250.000	235.985	1405761.33	0.1893	M	13.
6	☐	500.000	516.098	3081640.92	0.4139	A	1.3
7	☐	1000.000	999.712	6550626.36	0.8017	A	1.4
8	☐			21563.41	0.0028	P	1.2

$$y = 8.0182E-004 * x + 1.1157E-004$$

$$R = 0.9993$$

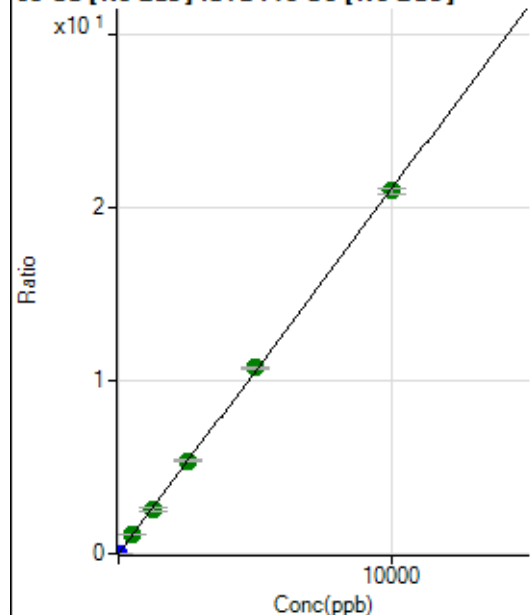
$$DL = 0.009647$$

$$BEC = 0.1391$$

Weight: <None>

Min Conc: 0

63 Cu [No Gas] ISTD:45 Sc [No Gas]



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5242.08	0.0007	P	1.4
2	☐	2.000	1.547	29855.44	0.0040	P	1.1
3	☐	500.000	520.772	8388122.51	1.0997	A	1.0
4	☐	1250.000	1208.960	19589094.29	2.5519	A	7.9
5	☐	2500.000	2544.998	39803118.02	5.3713	A	1.1
6	☐	5000.000	5090.046	79957242.14	10.7420	A	1.5
7	☐	10000.000	9947.819	171532751.89	20.9931	A	1.6
8	☐			191786.02	0.0245	P	1.1

$$y = 0.0021 * x + 6.9530E-004$$

$$R = 0.9999$$

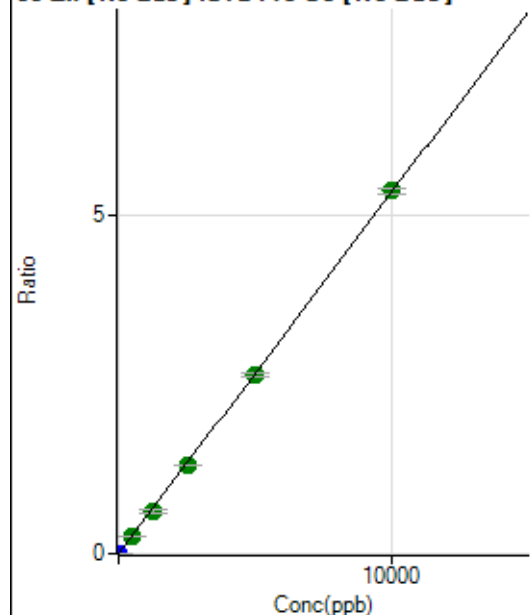
$$DL = 0.01379$$

$$BEC = 0.3295$$

Weight: <None>

Min Conc: 0

66 Zn [No Gas] ISTD:45 Sc [No Gas]



	R _{jt}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5620.01	0.0007	P	2.0
2	☐	2.000	3.542	19859.99	0.0026	P	1.8
3	☐	500.000	490.276	2000514.66	0.2623	A	1.0
4	☐	1250.000	1150.017	4714125.24	0.6142	A	8.4
5	☐	2500.000	2434.587	9628602.64	1.2994	A	1.0
6	☐	5000.000	4967.325	19724643.59	2.6503	A	2.2
7	☐	10000.000	10045.674	43789689.07	5.3591	A	1.3
8	☐			31797.24	0.0041	P	3.1

$$y = 5.3340\text{E-}004 * x + 7.4583\text{E-}004$$

$$R = 0.9999$$

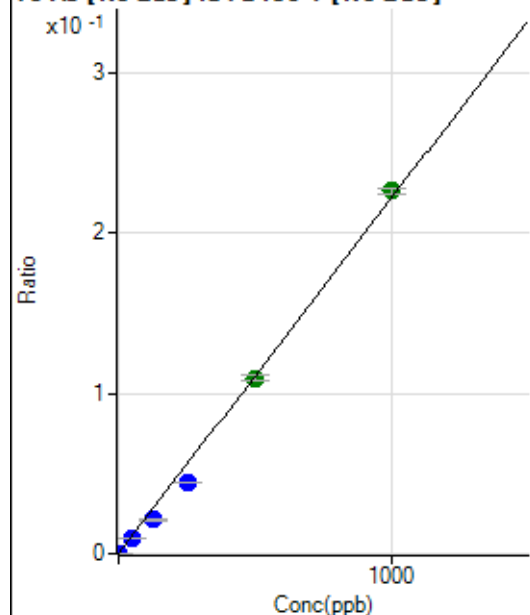
$$DL = 0.08188$$

$$BEC = 1.398$$

Weight: <None>

Min Conc: 0

75 As [No Gas] ISTD:89 Y [No Gas]



	R _{jt}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2159.28	0.0001	P	2.9
2	☐	1.000	1.704	10103.02	0.0005	P	1.2
3	☐	50.000	40.548	195451.40	0.0091	P	0.6
4	☐	125.000	94.301	456893.38	0.0210	P	8.1
5	☐	250.000	199.872	938120.98	0.0444	P	0.4
6	☐	500.000	493.247	2346322.20	0.1095	A	2.8
7	☐	1000.000	1020.218	5257029.10	0.2263	A	1.6
8	☐			4434.74	0.0002	P	5.0

$$y = 2.2173\text{E-}004 * x + 1.0249\text{E-}004$$

$$R = 0.9984$$

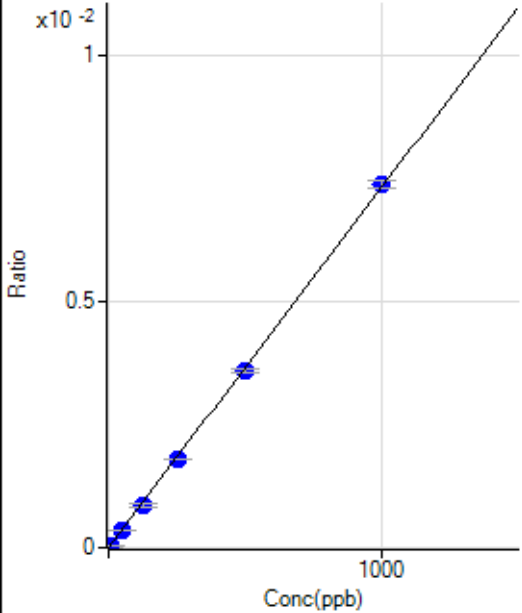
$$DL = 0.04057$$

$$BEC = 0.4622$$

Weight: <None>

Min Conc: 0

77 Se [No Gas] ISTD:89 Y [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	124.45	0.0000	P	18.
2	☐	5.000	4.834	866.70	0.0000	P	3.8
3	☐	50.000	48.594	7749.88	0.0004	P	0.5
4	☐	125.000	114.710	18329.30	0.0008	P	8.2
5	☐	250.000	244.280	37768.07	0.0018	P	1.3
6	☐	500.000	491.140	76944.98	0.0036	P	2.8
7	☐	1000.000	1007.217	170840.11	0.0074	P	2.3
8	☐			148.89	0.0000	P	25.

y = 7.2972E-006 * x + 5.9206E-006

R = 0.9999

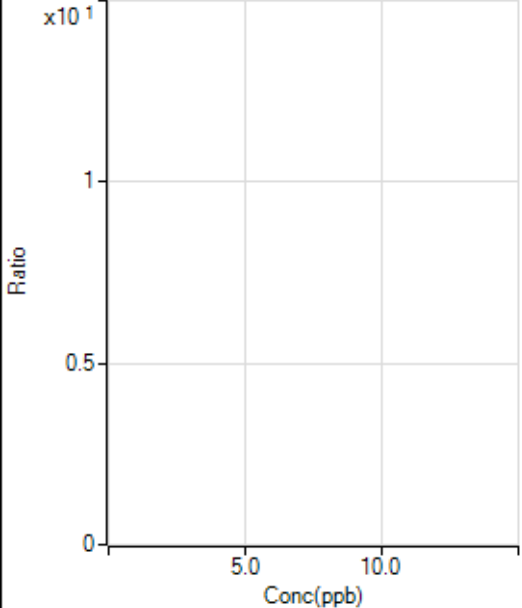
DL = 0.4418

BEC = 0.8114

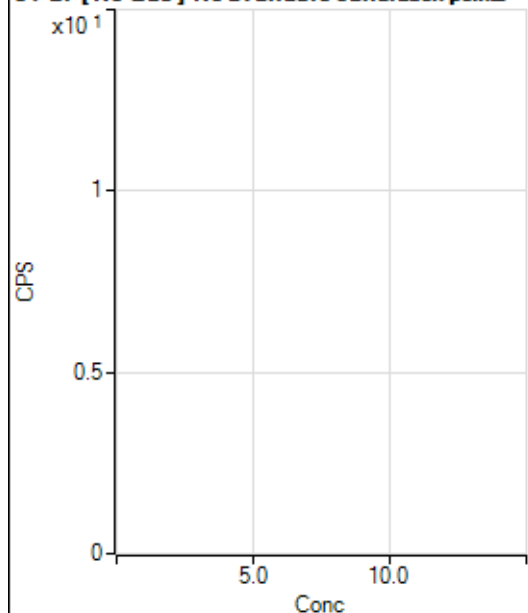
Weight: <None>

Min Conc: 0

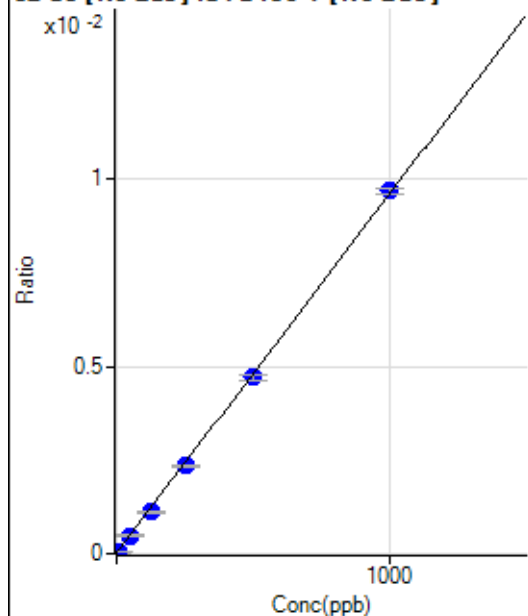
78 Se [No Gas] ISTD:89 Y [No Gas] No av _



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000					
2	☐	5.000					
3	☐	50.000					
4	☐	125.000					
5	☐	250.000					
6	☐	500.000					
7	☐	1000.000					
8	☐						

81 Br [No Gas] No available calibration points

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			15530.51		P	2.1
2	☐			15748.49		P	0.8
3	☐			15430.38		P	2.3
4	☐			15037.76		P	3.7
5	☐			14620.68		P	3.0
6	☐			14199.18		P	2.6
7	☐			14422.78		P	1.3
8	☐			15946.51		P	2.3

82 Se [No Gas] ISTD : 89 Y [No Gas]

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	414.71	0.0000	P	5.9
2	☐	5.000	4.886	1398.24	0.0001	P	3.5
3	☐	50.000	48.738	10455.61	0.0005	P	1.7
4	☐	125.000	113.499	24067.68	0.0011	P	7.2
5	☐	250.000	241.851	49342.83	0.0023	P	0.3
6	☐	500.000	489.424	100897.42	0.0047	P	2.9
7	☐	1000.000	1008.826	224904.09	0.0097	P	1.7
8	☐			637.85	0.0000	P	5.8

$$y = 9.5786E-006 * x + 1.9662E-005$$

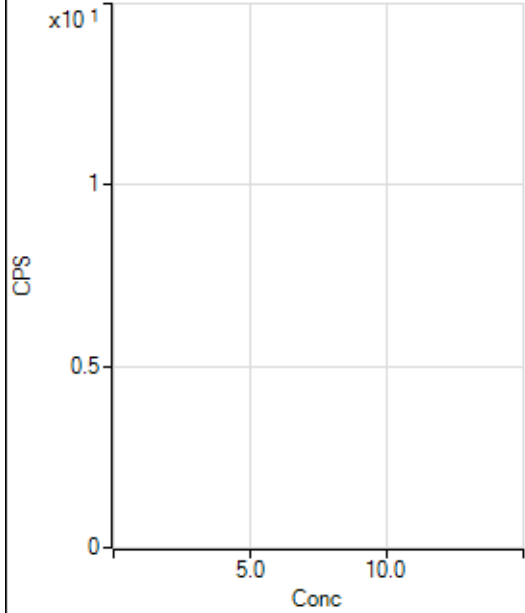
$$R = 0.9998$$

$$DL = 0.3607$$

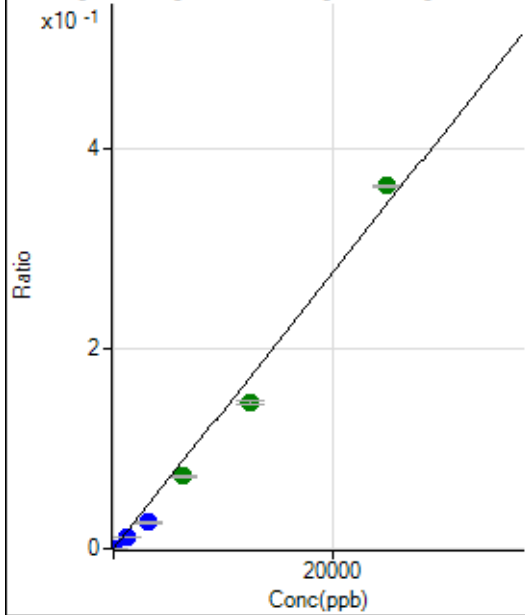
$$BEC = 2.053$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			232.22		P	4.6
2	☐			272.23		P	12.
3	☐			254.45		P	15.
4	☐			433.34		P	26.
5	☐			278.90		P	13.
6	☐			256.67		P	13.
7	☐			307.78		P	10.
8	☐			325.56		P	7.7

86 Sr [No Gas] ISTD : 89 Y [No Gas]

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	581.13	0.0000	P	6.1
2	☐	1.000	15.730	5136.50	0.0002	P	1.5
3	☐	1250.000	821.940	244055.80	0.0114	P	0.8
4	☐	3125.000	1902.240	570639.55	0.0262	P	7.4
5	☐	6250.000	5248.810	1528001.00	0.0724	A	0.6
6	☐	12500.000	10603.551	3132714.43	0.1461	A	2.1
7	☐	25000.000	26372.770	8443539.53	0.3634	A	0.7
8	☐			13339.47	0.0006	P	0.6

$$y = 1.3780E-005 * x + 2.7579E-005$$

$$R = 0.9947$$

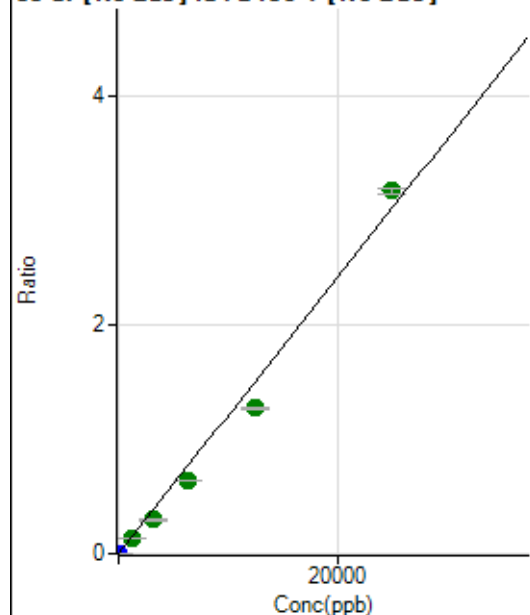
$$DL = 0.3659$$

$$BEC = 2.001$$

Weight: <None>

Min Conc: 0

88 Sr [No Gas] ISTD : 89 Y [No Gas]



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1016.71	0.0000	P	3.6
2	☐	1.000	16.212	42074.59	0.0020	P	1.0
3	☐	1250.000	1062.377	2751748.57	0.1280	A	0.8
4	☐	3125.000	2457.855	6438843.24	0.2961	A	7.7
5	☐	6250.000	5260.432	13381244.11	0.6337	A	1.1
6	☐	12500.000	10549.440	27241649.04	1.2707	A	1.7
7	☐	25000.000	26315.446	73627276.68	3.1697	A	1.3
8	☐			111251.59	0.0051	P	1.1

$$y = 1.2045E-004 * x + 4.8222E-005$$

$$R = 0.9949$$

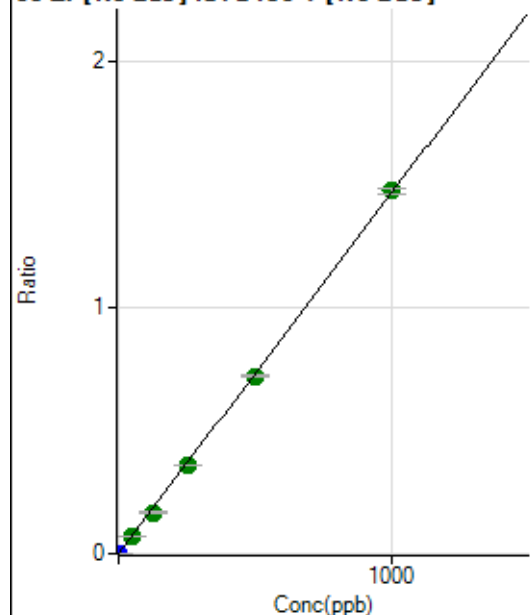
$$DL = 0.04283$$

$$BEC = 0.4004$$

Weight: <None>

Min Conc: 0

90 Zr [No Gas] ISTD : 89 Y [No Gas]



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1288.96	0.0001	P	11.
2	☐	1.000	0.769	24984.70	0.0012	P	1.0
3	☐	50.000	49.034	1546061.68	0.0719	A	1.3
4	☐	125.000	114.588	3653875.75	0.1680	A	6.1
5	☐	250.000	244.402	7565053.64	0.3582	A	0.6
6	☐	500.000	492.751	15482827.96	0.7221	A	1.2
7	☐	1000.000	1006.374	34257575.60	1.4748	A	1.4
8	☐			24281.79	0.0011	P	22.

$$y = 0.0015 * x + 6.1116E-005$$

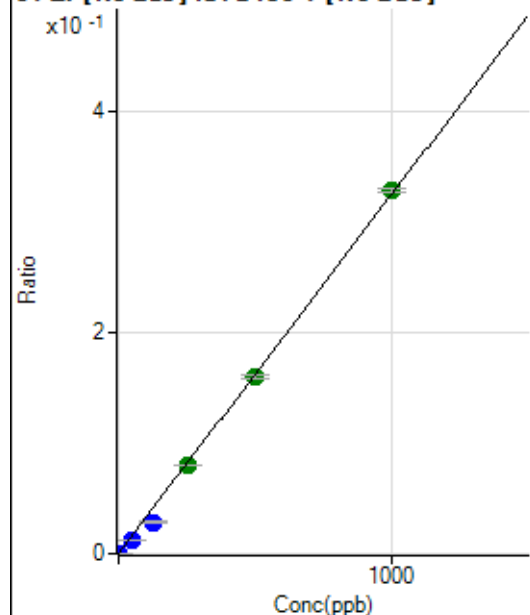
$$R = 0.9999$$

$$DL = 0.01427$$

$$BEC = 0.04171$$

Weight: <None>

Min Conc: 0

91 Zr [No Gas] ISTD : 89 Y [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	276.67	0.0000	P	8.7
2	☐	1.000	0.777	5588.90	0.0003	P	3.6
3	☐	50.000	38.012	266006.12	0.0124	P	0.5
4	☐	125.000	88.286	624691.35	0.0287	P	7.7
5	☐	250.000	245.812	1688457.23	0.0800	A	0.5
6	☐	500.000	491.725	3428013.91	0.1599	A	2.2
7	☐	1000.000	1010.374	7632819.54	0.3286	A	1.0
8	☐			5378.83	0.0002	P	22.

$$y = 3.2520\text{E-}004 * x + 1.3144\text{E-}005$$

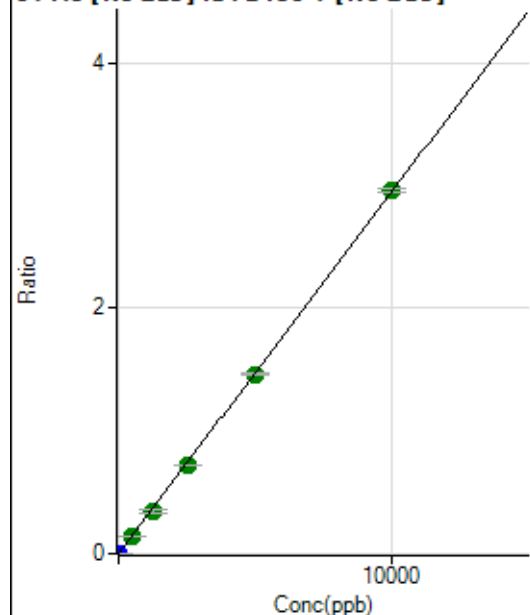
$$R = 0.9994$$

$$DL = 0.0106$$

$$BEC = 0.04042$$

Weight: <None>

Min Conc: 0

94 Mo [No Gas] ISTD : 89 Y [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	960.04	0.0000	P	2.7
2	☐	5.000	4.528	29029.94	0.0014	P	1.1
3	☐	500.000	494.885	3137200.68	0.1460	A	1.6
4	☐	1250.000	1155.719	7410143.57	0.3408	A	8.6
5	☐	2500.000	2465.589	15354109.49	0.7270	A	0.3
6	☐	5000.000	4971.863	31425837.87	1.4659	A	1.9
7	☐	10000.000	10034.712	68729344.53	2.9587	A	1.0
8	☐			13963.44	0.0006	P	12.

$$y = 2.9484\text{E-}004 * x + 4.5539\text{E-}005$$

$$R = 0.9999$$

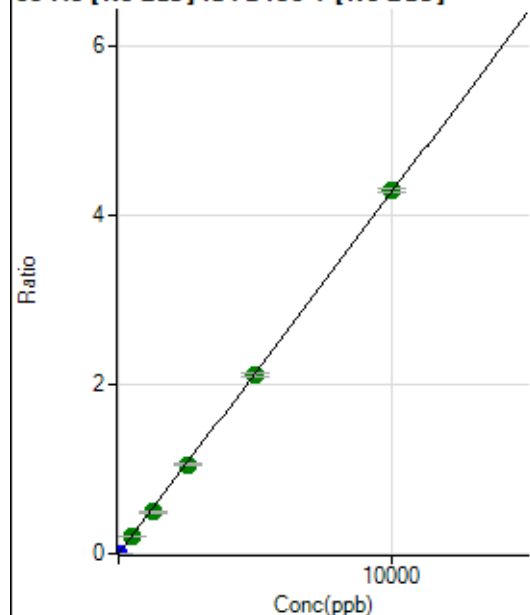
$$DL = 0.01249$$

$$BEC = 0.1545$$

Weight: <None>

Min Conc: 0

95 Mo [No Gas] ISTD:89 Y [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	844.48	0.0000	P	8.6
2	☐	5.000	3.806	35045.30	0.0017	P	0.8
3	☐	500.000	493.511	4535211.36	0.2110	A	0.9
4	☐	1250.000	1149.135	10683040.19	0.4913	A	8.1
5	☐	2500.000	2468.439	22285843.00	1.0553	A	0.6
6	☐	5000.000	4962.034	45471492.10	2.1212	A	2.0
7	☐	10000.000	10039.806	99698424.07	4.2919	A	1.1
8	☐			7624.29	0.0004	P	2.1

$$y = 4.2748\text{E-}004 * x + 4.0050\text{E-}005$$

R = 0.9999

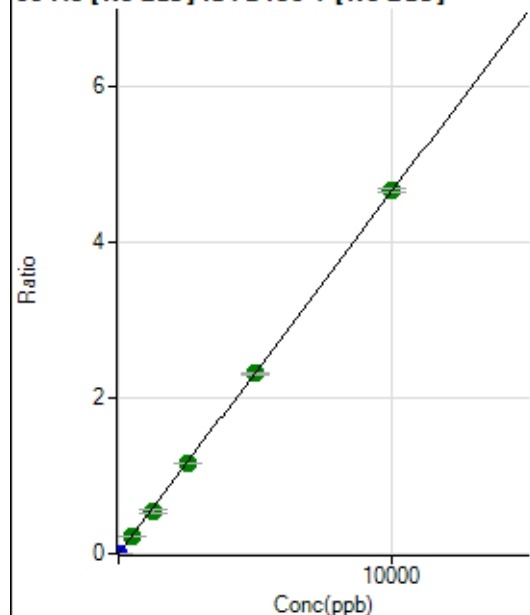
DL = 0.02419

BEC = 0.09369

Weight: <None>

Min Conc: 0

96 Mo [No Gas] ISTD:89 Y [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1045.60	0.0000	P	6.6
2	☐	5.000	3.947	39567.90	0.0019	P	0.8
3	☐	500.000	492.998	4920126.04	0.2289	A	1.1
4	☐	1250.000	1154.928	11659872.46	0.5362	A	8.4
5	☐	2500.000	2482.347	24337042.42	1.1523	A	0.4
6	☐	5000.000	4974.425	49503739.26	2.3091	A	1.7
7	☐	10000.000	10029.435	108147887.28	4.6556	A	1.0
8	☐			24113.37	0.0011	P	1.8

$$y = 4.6419\text{E-}004 * x + 4.9560\text{E-}005$$

R = 1.0000

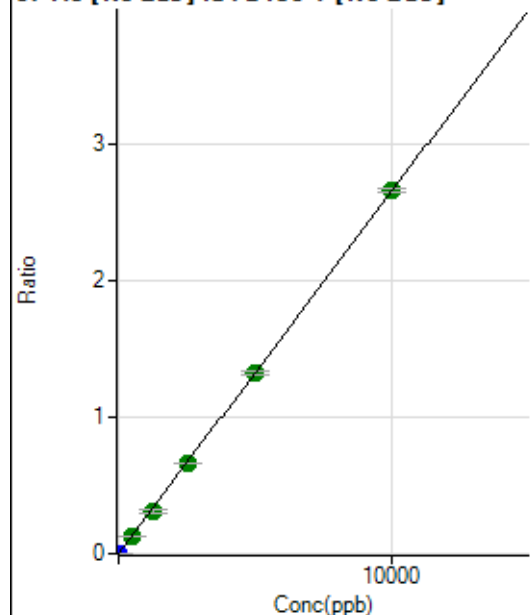
DL = 0.02108

BEC = 0.1068

Weight: <None>

Min Conc: 0

97 Mo [No Gas] ISTD:89 Y [No Gas]



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	524.46	0.0000	P	6.0
2	☐	5.000	3.837	21926.54	0.0010	P	1.8
3	☐	500.000	499.425	2848969.96	0.1325	A	1.1
4	☐	1250.000	1152.768	6651767.05	0.3059	A	8.0
5	☐	2500.000	2493.936	13975775.07	0.6617	A	0.2
6	☐	5000.000	4989.991	28385670.69	1.3240	A	1.4
7	☐	10000.000	10018.704	61748542.97	2.6583	A	1.1
8	☐			4880.87	0.0002	P	4.4

$$y = 2.6533\text{E-}004 * x + 2.4900\text{E-}005$$

$$R = 1.0000$$

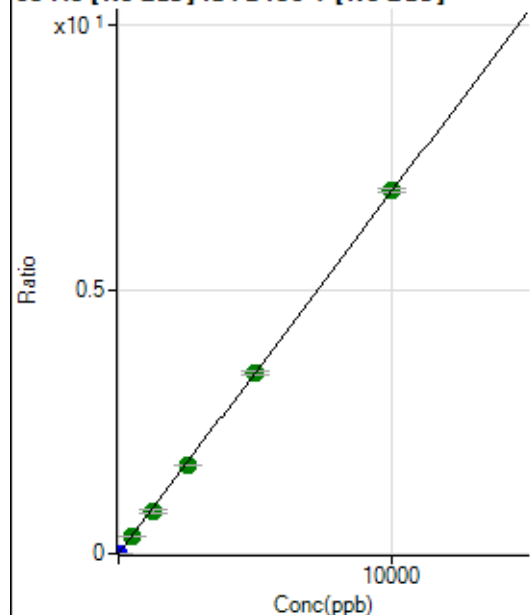
$$DL = 0.01693$$

$$BEC = 0.09385$$

Weight: <None>

Min Conc: 0

98 Mo [No Gas] ISTD:89 Y [No Gas]



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1392.31	0.0001	P	3.5
2	☐	5.000	3.849	56799.89	0.0027	P	1.1
3	☐	500.000	493.647	7265460.31	0.3380	A	0.6
4	☐	1250.000	1155.069	17197101.41	0.7908	A	8.2
5	☐	2500.000	2466.815	35668582.80	1.6889	A	0.1
6	☐	5000.000	4980.846	73093855.58	3.4100	A	2.4
7	☐	10000.000	10030.058	159511317.63	6.8668	A	1.2
8	☐			11704.78	0.0005	P	2.8

$$y = 6.8462\text{E-}004 * x + 6.6033\text{E-}005$$

$$R = 1.0000$$

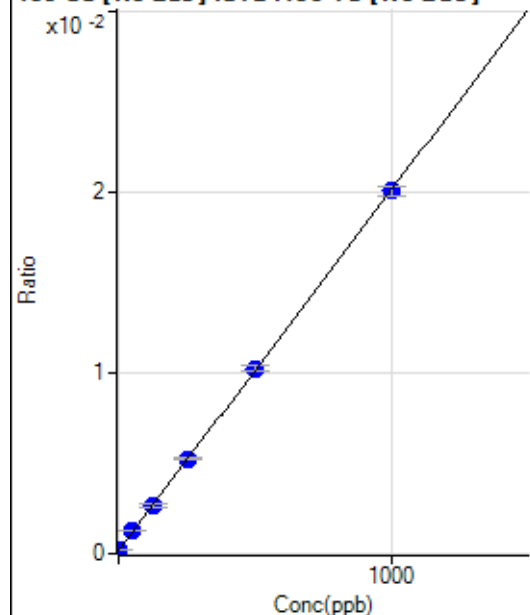
$$DL = 0.01012$$

$$BEC = 0.09645$$

Weight: <None>

Min Conc: 0

106 Cd [No Gas] ISTD :159 Tb [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2992.56	0.0002	P	3.5
2	☐	1.000	1.089	3378.21	0.0002	P	3.5
3	☐	50.000	54.387	22460.82	0.0013	P	1.3
4	☐	125.000	123.401	48286.40	0.0026	P	8.0
5	☐	250.000	253.592	96498.89	0.0052	P	2.1
6	☐	500.000	504.863	191631.29	0.0103	P	2.8
7	☐	1000.000	996.651	405386.70	0.0201	P	2.7
8	☐			3037.01	0.0002	P	2.5

$$y = 1.9989\text{E-}005 * x + 1.7059\text{E-}004$$

$$R = 1.0000$$

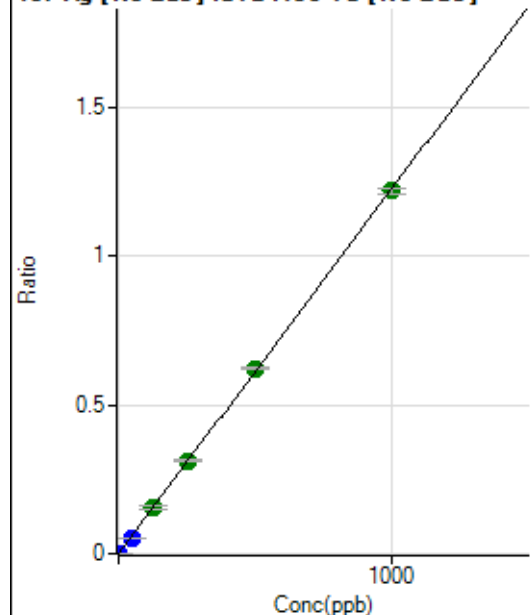
$$DL = 0.8937$$

$$BEC = 8.534$$

Weight: <None>

Min Conc: 0

107 Ag [No Gas] ISTD :159 Tb [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	122.22	0.0000	P	4.4
2	☐	1.000	0.842	18211.53	0.0010	P	1.4
3	☐	50.000	42.986	939101.42	0.0526	P	0.9
4	☐	125.000	124.294	2782500.46	0.1520	A	8.6
5	☐	250.000	255.030	5746880.12	0.3120	A	0.7
6	☐	500.000	507.899	11604820.24	0.6213	A	1.1
7	☐	1000.000	995.232	24566445.46	1.2174	A	1.8
8	☐			1734.57	0.0001	P	7.7

$$y = 0.0012 * x + 6.9639\text{E-}006$$

$$R = 0.9999$$

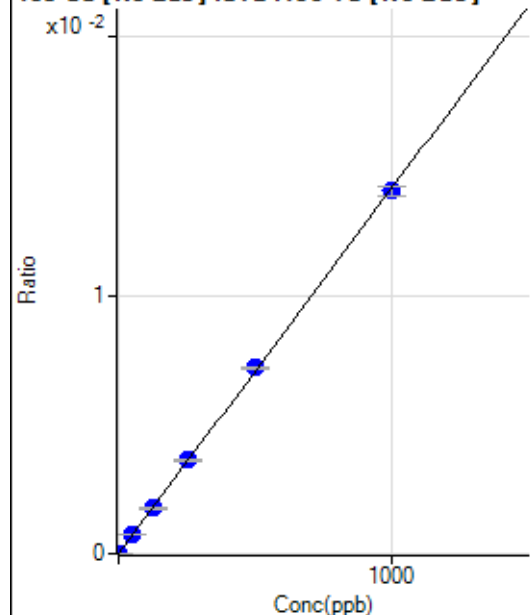
$$DL = 0.0007586$$

$$BEC = 0.005693$$

Weight: <None>

Min Conc: 0

108 Cd [No Gas] ISTD :159 Tb [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	15.56	0.0000	P	83.
2	☐	1.000	1.030	271.12	0.0000	P	12.
3	☐	50.000	53.185	13438.55	0.0008	P	1.9
4	☐	125.000	124.112	32118.12	0.0018	P	7.4
5	☐	250.000	256.093	66661.24	0.0036	P	2.5
6	☐	500.000	509.349	134450.89	0.0072	P	1.4
7	☐	1000.000	993.754	283334.15	0.0140	P	2.6
8	☐			108.89	0.0000	P	20.

$$y = 1.4131E-005 * x + 8.9923E-007$$

$$R = 0.9999$$

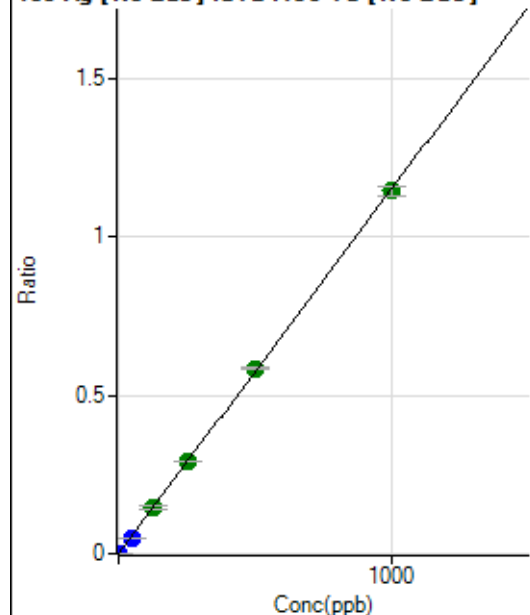
$$DL = 0.1601$$

$$BEC = 0.06364$$

Weight: <None>

Min Conc: 0

109 Ag [No Gas] ISTD :159 Tb [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	93.33	0.0000	P	5.9
2	☐	1.000	0.840	17060.19	0.0010	P	1.7
3	☐	50.000	43.066	884651.68	0.0495	P	1.1
4	☐	125.000	124.217	2615462.06	0.1429	A	8.7
5	☐	250.000	253.501	5371335.06	0.2916	A	0.9
6	☐	500.000	508.550	10926090.25	0.5849	A	1.1
7	☐	1000.000	995.295	23095995.49	1.1448	A	3.0
8	☐			1567.88	0.0001	P	8.6

$$y = 0.0012 * x + 5.3237E-006$$

$$R = 0.9999$$

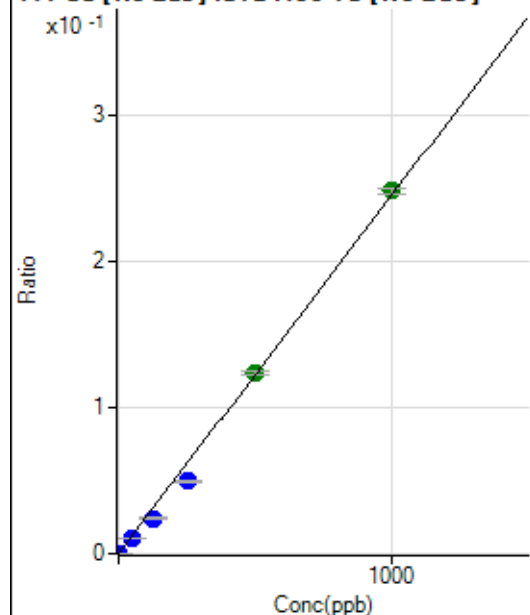
$$DL = 0.0008216$$

$$BEC = 0.004629$$

Weight: <None>

Min Conc: 0

111 Cd [No Gas] ISTD :159 Tb [No Gas]



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2121.68	0.0001	P	2.1
2	☐	1.000	0.923	6086.64	0.0003	P	3.0
3	☐	50.000	42.584	188122.27	0.0105	P	0.8
4	☐	125.000	98.416	442795.58	0.0242	P	7.7
5	☐	250.000	201.747	911028.03	0.0495	P	1.6
6	☐	500.000	505.562	2311459.95	0.1238	A	1.8
7	☐	1000.000	1012.976	5001445.22	0.2479	A	1.9
8	☐			2456.37	0.0001	P	1.7

$$y = 2.4456\text{E-}004 * x + 1.2092\text{E-}004$$

$$R = 0.9986$$

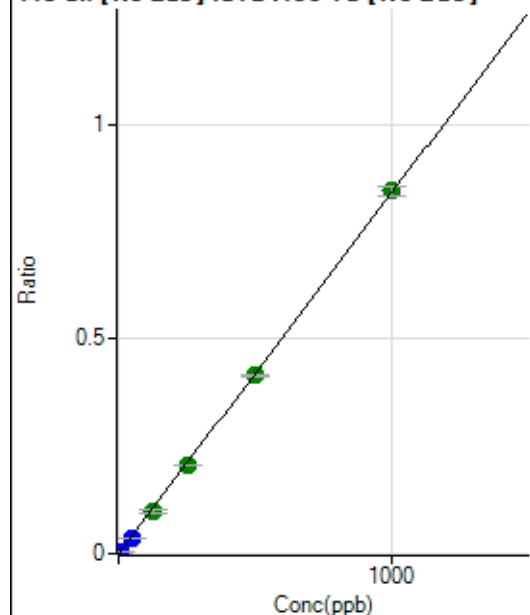
$$DL = 0.03185$$

$$BEC = 0.4945$$

Weight: <None>

Min Conc: 0

118 Sn [No Gas] ISTD :159 Tb [No Gas]



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5866.24	0.0003	P	30.
2	☐	5.000	4.077	65983.60	0.0038	P	1.3
3	☐	50.000	40.663	615886.32	0.0345	P	0.9
4	☐	125.000	118.487	1827928.69	0.0999	A	9.3
5	☐	250.000	245.218	3801123.31	0.2063	A	0.4
6	☐	500.000	493.697	7751747.24	0.4150	A	1.2
7	☐	1000.000	1005.633	17051619.88	0.8450	A	2.7
8	☐			8042.33	0.0004	P	3.8

$$y = 8.3994\text{E-}004 * x + 3.3410\text{E-}004$$

$$R = 0.9999$$

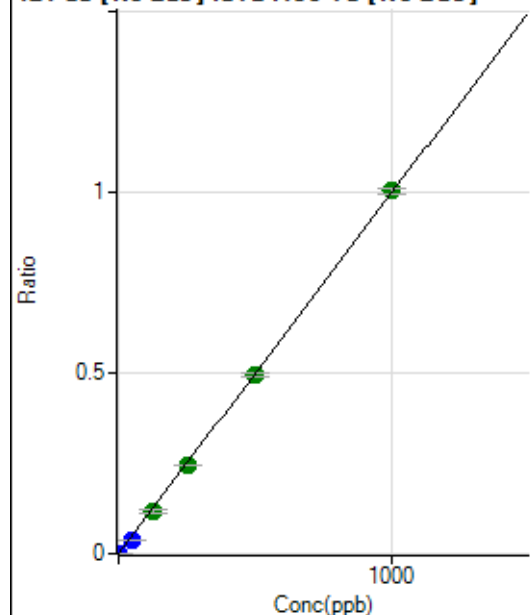
$$DL = 0.3579$$

$$BEC = 0.3978$$

Weight: <None>

Min Conc: 0

121 Sb [No Gas] ISTD :159 Tb [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	105.56	0.0000	P	23.
2	☐	2.000	1.643	28899.12	0.0016	P	0.7
3	☐	50.000	39.670	707309.06	0.0396	P	1.0
4	☐	125.000	116.088	2121598.89	0.1159	A	7.7
5	☐	250.000	244.160	4490007.12	0.2437	A	0.9
6	☐	500.000	495.456	9238596.46	0.4946	A	1.3
7	☐	1000.000	1005.363	20254946.92	1.0036	A	1.5
8	☐			7546.49	0.0004	P	5.0

$$y = 9.9826E-004 * x + 6.0416E-006$$

$$R = 0.9999$$

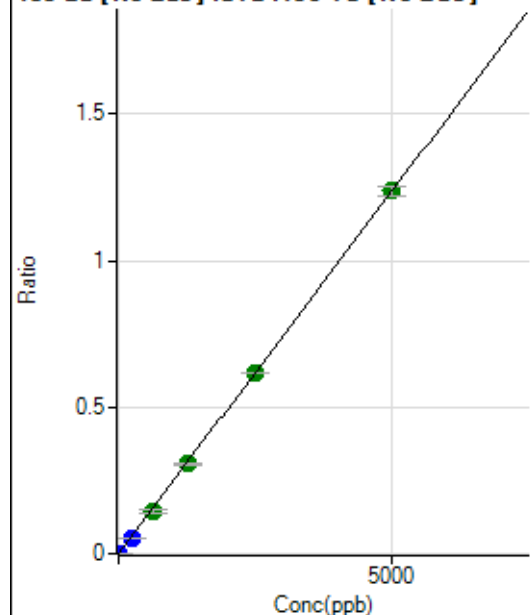
$$DL = 0.004237$$

$$BEC = 0.006052$$

Weight: <None>

Min Conc: 0

135 Ba [No Gas] ISTD :159 Tb [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	301.12	0.0000	P	11.
2	☐	10.000	8.257	36091.39	0.0021	P	1.7
3	☐	250.000	202.154	891547.27	0.0499	P	0.5
4	☐	625.000	591.814	2674597.55	0.1461	A	9.4
5	☐	1250.000	1238.717	5633517.42	0.3058	A	1.9
6	☐	2500.000	2495.987	11512572.33	0.6162	A	0.3
7	☐	5000.000	5011.371	24963344.07	1.2373	A	2.6
8	☐			6942.89	0.0004	P	5.9

$$y = 2.4689E-004 * x + 1.7138E-005$$

$$R = 1.0000$$

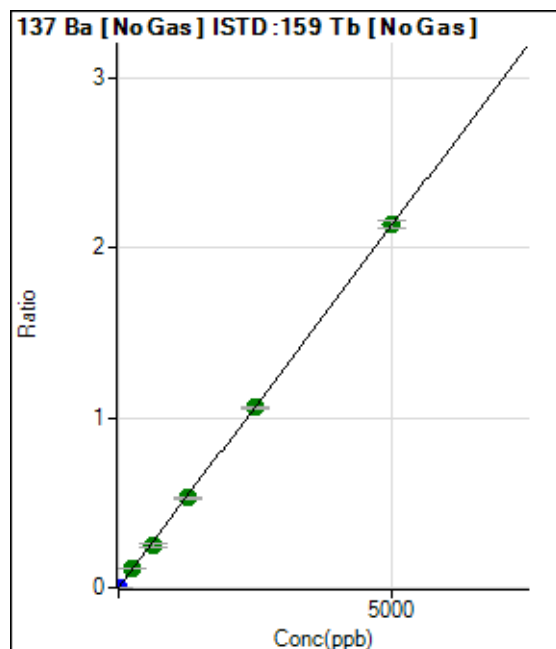
$$DL = 0.02317$$

$$BEC = 0.06941$$

Weight: <None>

Min Conc: 0

Calibration for 096SMPL.d



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	534.46	0.0000	P	12.
2	☐	10.000	8.229	62164.13	0.0035	P	1.4
3	☐	250.000	254.939	1942413.74	0.1088	A	0.3
4	☐	625.000	592.017	4623096.56	0.2526	A	8.2
5	☐	1250.000	1236.131	9712093.81	0.5273	A	2.0
6	☐	2500.000	2495.573	19885475.95	1.0646	A	1.1
7	☐	5000.000	5009.560	43119636.86	2.1370	A	2.3
8	☐			11898.42	0.0006	P	2.6

$$y = 4.2658E-004 * x + 3.0441E-005$$

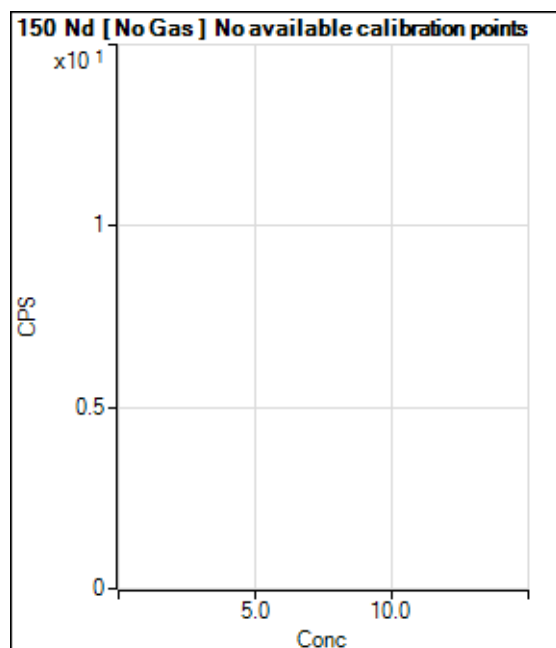
$$R = 1.0000$$

$$DL = 0.02657$$

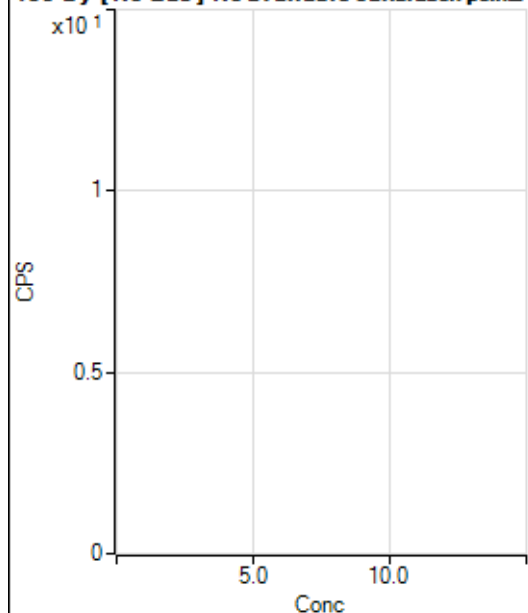
$$BEC = 0.07136$$

Weight: <None>

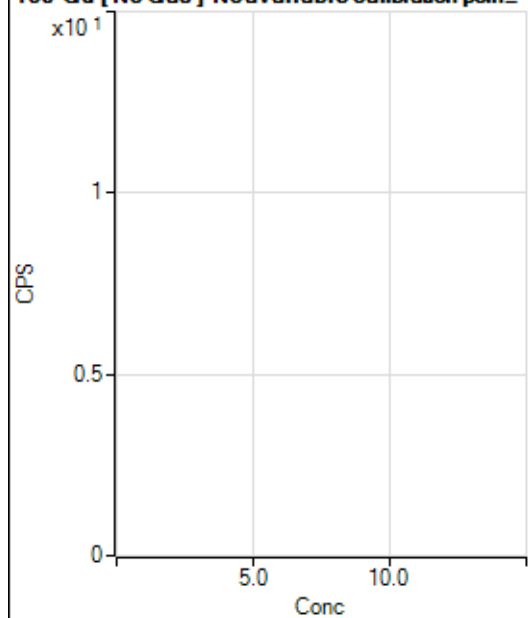
Min Conc: 0



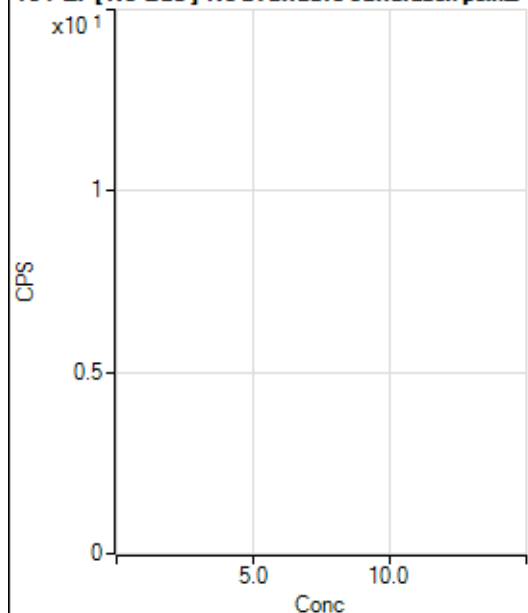
	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			14.45		P	48.
2	☐			20.00		P	72.
3	☐			48.89		P	3.9
4	☐			87.78		P	15.
5	☐			228.89		P	15.
6	☐			406.68		P	11.
7	☐			1042.27		P	9.1
8	☐			334.45		P	19.

156 Dy [No Gas] No available calibration points

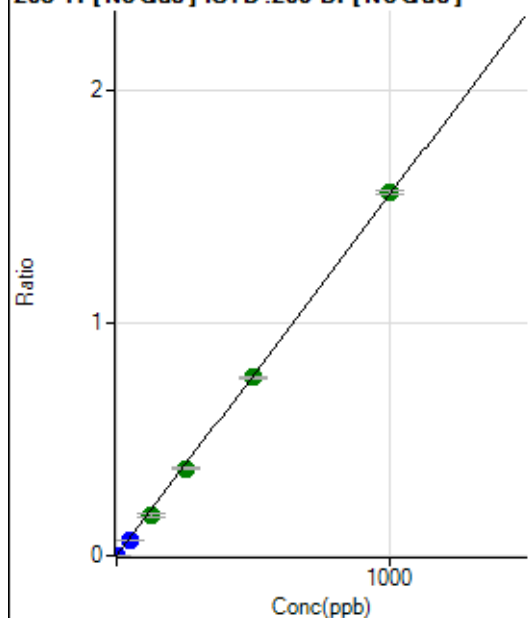
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			51.11		P	3.8
2	☐			63.33		P	Na
3	☐			78.89		P	2.4
4	☐			86.67		P	6.7
5	☐			115.56		P	9.3
6	☐			184.45		P	30.
7	☐			434.46		P	6.9
8	☐			523.35		P	5.5

160 Gd [No Gas] Noavailable calibration poin...

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			40.00		P	8.3
2	☐			74.44		P	6.8
3	☐			67.78		P	10.
4	☐			55.55		P	12.
5	☐			85.56		P	11.
6	☐			111.11		P	23.
7	☐			276.68		P	13.
8	☐			440.01		P	4.6

164 Er [No Gas] No available calibration points

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			81.11		P	31.
2	☐			62.22		P	8.2
3	☐			78.89		P	6.5
4	☐			95.56		P	15.
5	☐			105.56		P	7.3
6	☐			143.34		P	6.2
7	☐			316.68		P	16.
8	☐			555.57		P	9.0

203 Tl [No Gas] ISTD :209 Bi [No Gas]

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	330.00	0.0000	P	4.0
2	☐	1.000	0.827	13031.90	0.0013	P	2.4
3	☐	50.000	40.814	641511.64	0.0632	P	0.2
4	☐	125.000	113.839	1855697.14	0.1763	A	10.
5	☐	250.000	242.646	3953426.96	0.3756	A	0.9
6	☐	500.000	494.416	8105783.00	0.7654	A	1.3
7	☐	1000.000	1006.485	17618180.57	1.5581	A	0.9
8	☐			1121.17	0.0001	P	15.

$$y = 0.0015 * x + 3.2798E-005$$

$$R = 0.9999$$

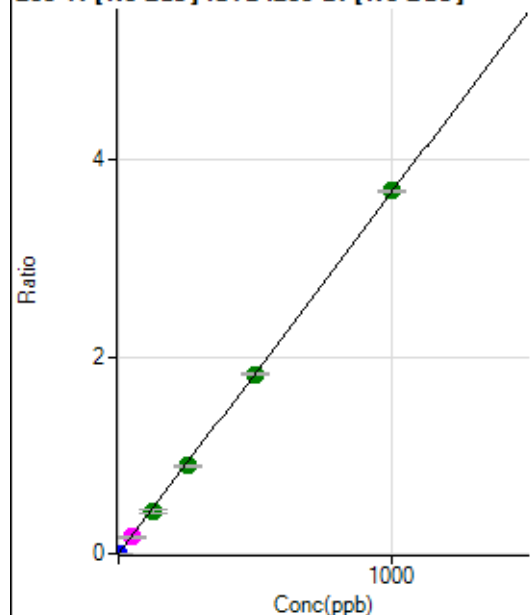
$$DL = 0.002525$$

$$BEC = 0.02119$$

Weight: <None>

Min Conc: 0

205 Tl [No Gas] ISTD :209 Bi [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	840.03	0.0001	P	10.
2	☐	1.000	0.833	31193.55	0.0031	P	2.9
3	☐	50.000	46.776	1745999.44	0.1718	M	11.
4	☐	125.000	115.035	4446567.09	0.4223	A	10.
5	☐	250.000	242.736	9377215.70	0.8911	A	0.7
6	☐	500.000	496.426	19300315.96	1.8222	A	1.4
7	☐	1000.000	1005.010	41716055.21	3.6890	A	0.5
8	☐			2549.16	0.0003	P	14.

$$y = 0.0037 * x + 8.3653E-005$$

$$R = 0.9999$$

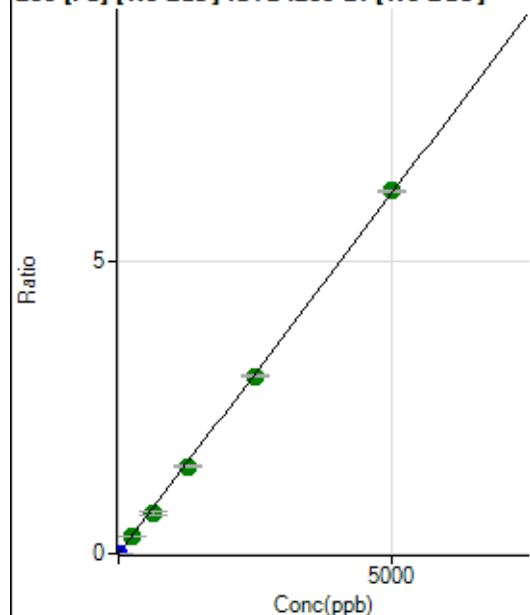
$$DL = 0.006831$$

$$BEC = 0.02279$$

Weight: <None>

Min Conc: 0

206 [Pb] [No Gas] ISTD :209 Bi [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	960.04	0.0001	P	6.5
2	☐	1.000	0.814	10926.72	0.0011	P	2.7
3	☐	250.000	246.976	3094726.20	0.3049	A	1.3
4	☐	625.000	569.761	7406591.63	0.7033	A	9.2
5	☐	1250.000	1210.646	15725183.52	1.4942	A	1.8
6	☐	2500.000	2462.700	32186425.35	3.0394	A	1.6
7	☐	5000.000	5035.545	70281613.40	6.2147	A	0.3
8	☐			7970.18	0.0008	P	2.5

$$y = 0.0012 * x + 9.5502E-005$$

$$R = 0.9999$$

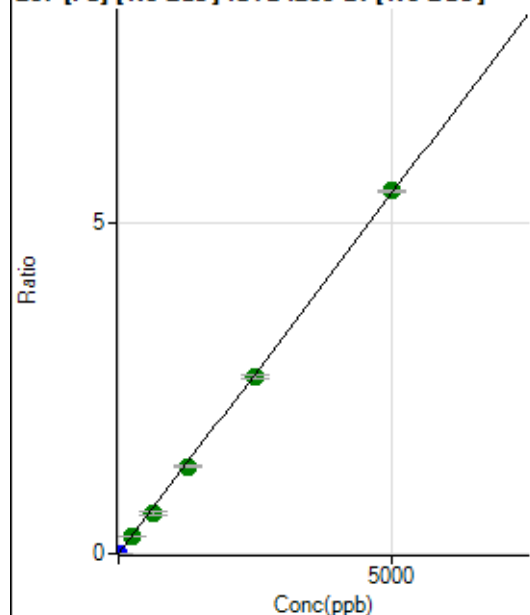
$$DL = 0.0152$$

$$BEC = 0.07738$$

Weight: <None>

Min Conc: 0

207 [Pb] [No Gas] ISTD :209 Bi [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	854.48	0.0001	P	8.1
2	☐	1.000	0.819	9711.33	0.0010	P	2.3
3	☐	250.000	247.213	2736482.18	0.2696	A	1.9
4	☐	625.000	565.344	6491980.11	0.6165	A	9.9
5	☐	1250.000	1211.630	13904899.65	1.3212	A	1.2
6	☐	2500.000	2454.729	28343908.74	2.6767	A	1.7
7	☐	5000.000	5039.824	62145355.74	5.4954	A	0.3
8	☐			7069.69	0.0007	P	4.3

$$y = 0.0011 * x + 8.5038E-005$$

$$R = 0.9999$$

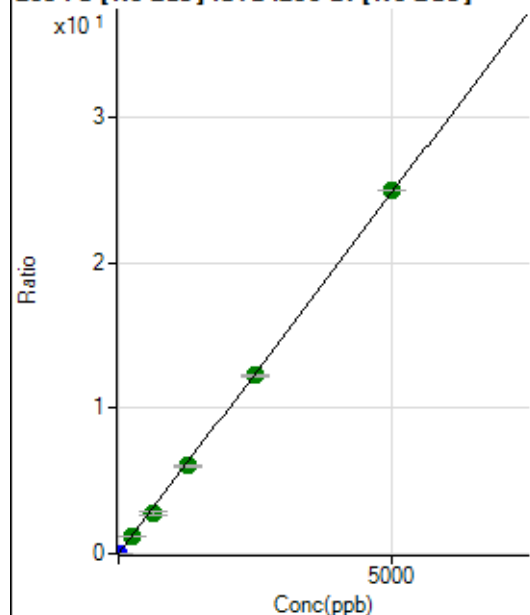
$$DL = 0.01904$$

$$BEC = 0.07799$$

Weight: <None>

Min Conc: 0

208 Pb [No Gas] ISTD :209 Bi [No Gas]



	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	3816.91	0.0004	P	3.7
2	☐	1.000	0.819	44037.19	0.0044	P	2.4
3	☐	250.000	246.812	12418039.19	1.2236	A	0.6
4	☐	625.000	568.934	29702255.94	2.8200	A	9.0
5	☐	1250.000	1218.441	63557118.49	6.0390	A	1.0
6	☐	2500.000	2470.637	129673099.18	12.2449	A	1.5
7	☐	5000.000	5029.739	281901730.24	24.9279	A	0.1
8	☐			31940.47	0.0033	P	2.0

$$y = 0.0050 * x + 3.7955E-004$$

$$R = 0.9999$$

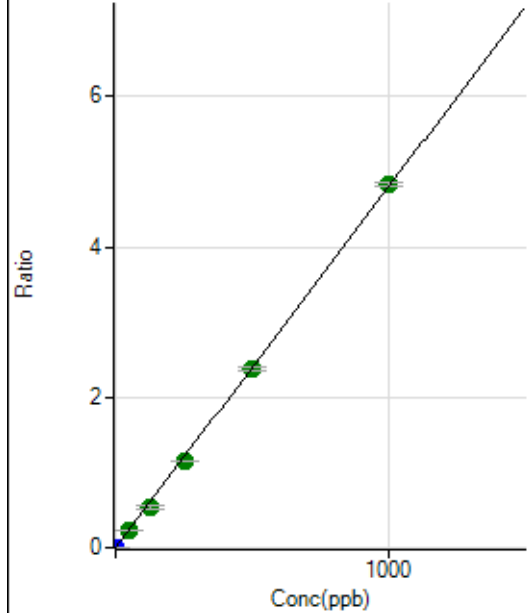
$$DL = 0.008463$$

$$BEC = 0.07658$$

Weight: <None>

Min Conc: 0

238 U [No Gas] ISTD :209 Bi [No Gas]



	R _{jt}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	386.68	0.0000	P	12.
2	☐	1.000	0.780	37493.81	0.0038	P	2.2
3	☐	50.000	48.345	2352305.52	0.2318	A	2.0
4	☐	125.000	111.269	5621666.58	0.5334	A	7.6
5	☐	250.000	240.710	12144078.02	1.1539	A	1.6
6	☐	500.000	495.740	25167875.18	2.3765	A	1.5
7	☐	1000.000	1006.252	54555628.63	4.8238	A	1.1
8	☐			1292.30	0.0001	P	14.

$$y = 0.0048 * x + 3.8445E-005$$

$$R = 0.9999$$

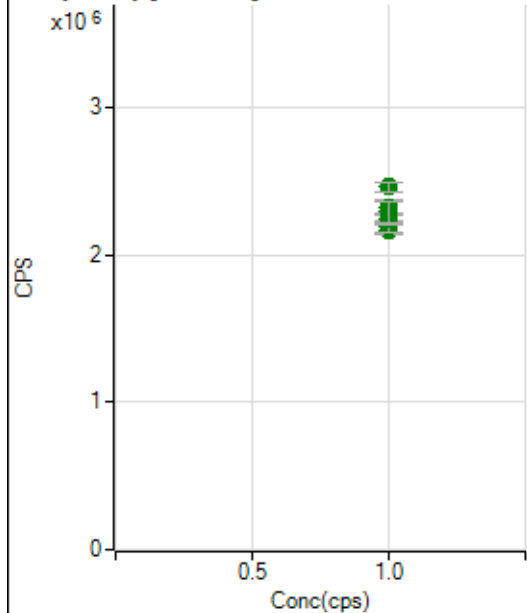
$$DL = 0.003106$$

$$BEC = 0.00802$$

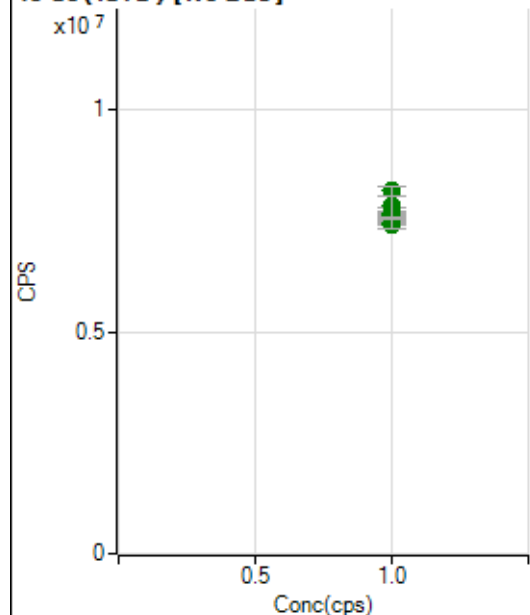
Weight: <None>

Min Conc: 0

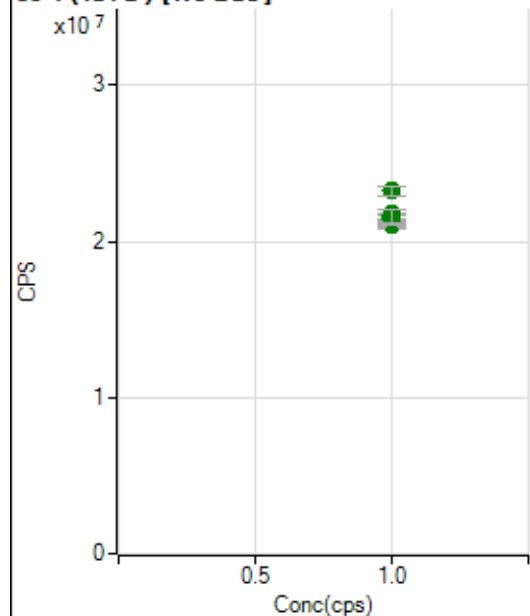
6 Li (ISTD) [No Gas]



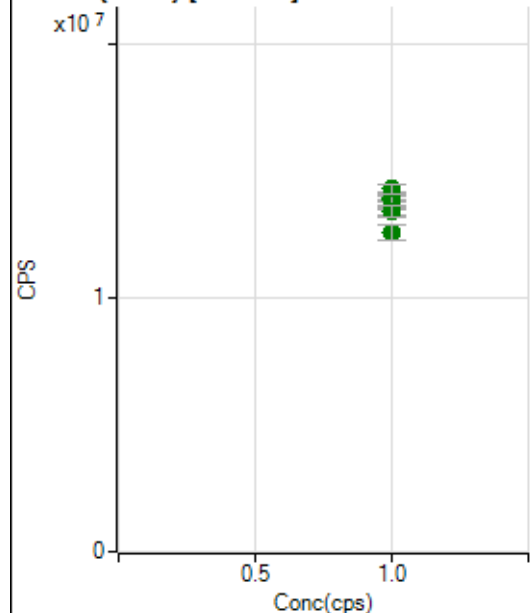
	R _{jt}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2170909.93		A	3.3
2	☐	1.000		2186673.80		A	3.6
3	☐	1.000		2239472.40		A	2.5
4	☐	1.000		2321948.73		A	3.9
5	☐	1.000		2239911.69		A	3.1
6	☐	1.000		2316195.35		A	3.8
7	☐	1.000		2460366.52		A	2.4
8	☐	1.000		2288696.09		A	5.8

45 Sc (ISTD) [No Gas]

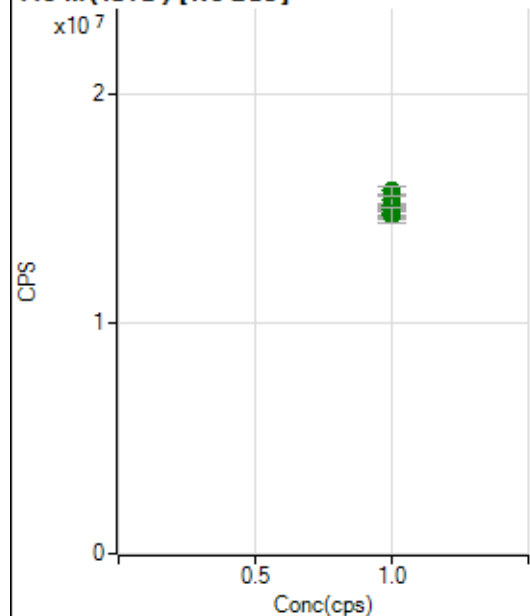
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7537826.83		A	2.7
2	☐	1.000		7539387.11		A	3.1
3	☐	1.000		7628777.74		A	2.2
4	☐	1.000		7685142.04		A	2.9
5	☐	1.000		7411285.10		A	2.1
6	☐	1.000		7445568.01		A	3.0
7	☐	1.000		8172717.10		A	2.5
8	☐	1.000		7827234.74		A	6.0

89 Y (ISTD) [No Gas]

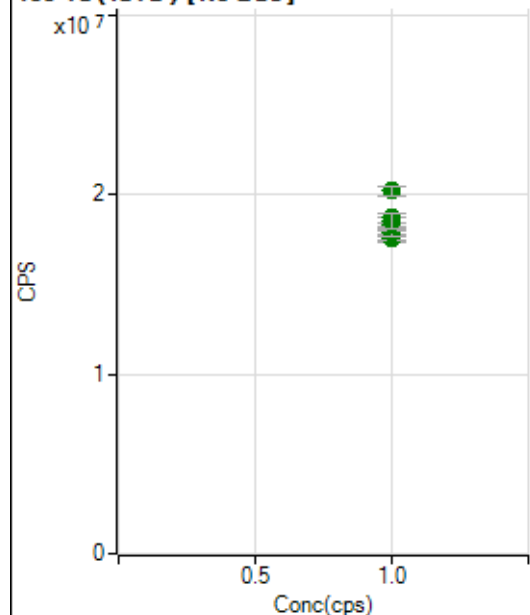
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		21077045.66		A	2.4
2	☐	1.000		21027367.88		A	2.3
3	☐	1.000		21495192.18		A	1.9
4	☐	1.000		21772081.90		A	3.0
5	☐	1.000		21119691.77		A	1.5
6	☐	1.000		21445867.74		A	3.2
7	☐	1.000		23233066.04		A	2.3
8	☐	1.000		21653810.23		A	4.1

103 Rh (ISTD) [No Gas]

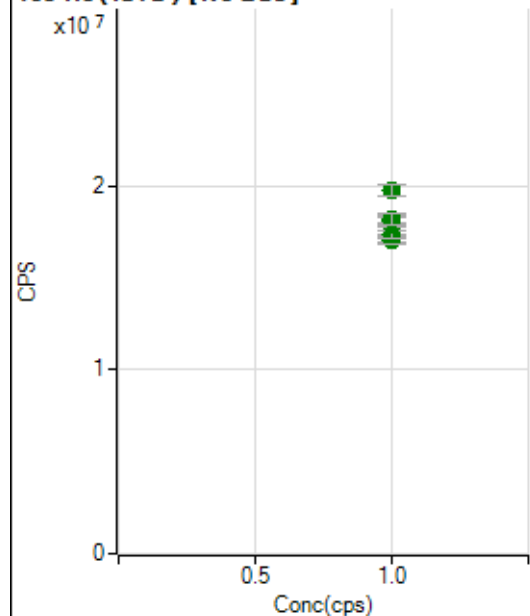
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		13634482.58		A	2.7
2	☐	1.000		13635540.91		A	2.3
3	☐	1.000		13888475.76		A	2.0
4	☐	1.000		13854590.07		A	4.2
5	☐	1.000		13374752.02		A	1.9
6	☐	1.000		13375892.58		A	3.4
7	☐	1.000		14276962.84		A	2.8
8	☐	1.000		12542499.26		A	4.6

115 In (ISTD) [No Gas]

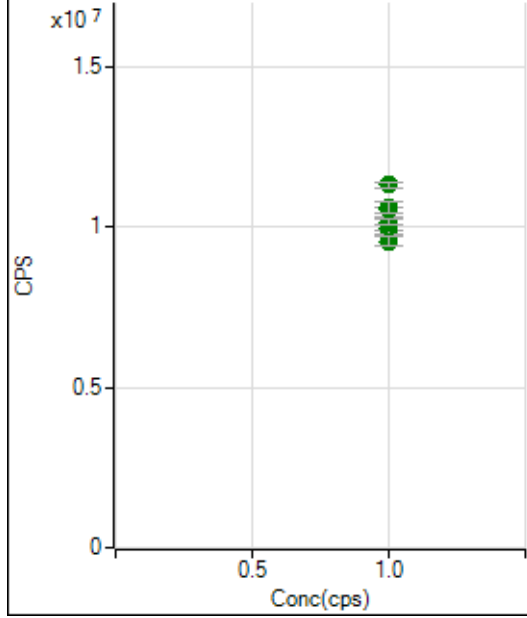
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		14735289.70		A	2.7
2	☐	1.000		14930205.99		A	2.9
3	☐	1.000		15123231.79		A	1.4
4	☐	1.000		15368789.91		A	3.8
5	☐	1.000		14774222.09		A	1.2
6	☐	1.000		14830410.32		A	3.1
7	☐	1.000		15771088.36		A	2.6
8	☐	1.000		14710865.39		A	4.8

159 Tb (ISTD) [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		17549121.41		A	2.9
2	☐	1.000		17555637.38		A	1.4
3	☐	1.000		17856488.62		A	1.7
4	☐	1.000		18332297.78		A	4.2
5	☐	1.000		18423891.95		A	2.8
6	☐	1.000		18682751.81		A	2.8
7	☐	1.000		20186226.23		A	3.0
8	☐	1.000		18472167.64		A	4.6

165 Ho (ISTD) [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		17111647.52		A	2.5
2	☐	1.000		17053181.41		A	2.4
3	☐	1.000		17408223.21		A	2.4
4	☐	1.000		17953800.01		A	4.4
5	☐	1.000		17873227.09		A	1.2
6	☐	1.000		18095583.90		A	3.0
7	☐	1.000		19735968.04		A	3.1
8	☐	1.000		18213190.28		A	3.8

209 Bi (ISTD) [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10063559.22		A	3.3
2	☐	1.000		9929599.23		A	3.3
3	☐	1.000		10148659.36		A	2.0
4	☐	1.000		10556290.19		A	4.7
5	☐	1.000		10523649.91		A	1.6
6	☐	1.000		10593273.11		A	3.4
7	☐	1.000		11308671.78		A	1.5
8	☐	1.000		9551583.96		A	3.0

SOP ID : M200.8-Trace Elements-22

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 11/01/2024 Time : 14:00 Temp : 96 °C

End Digest Date: 11/01/2024 Time : 16:10 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG. #3

Dig Technician Signature: 

Supervisor Signature: 

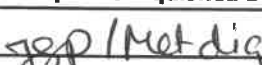
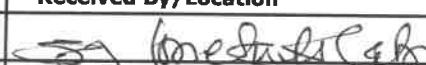
Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
Spike Sol 1	0.50	MP82855
Spike Sol 2	1.00	MP82856
Spike Sol 3	1.00	MP82857
Spike Sol 4	1.00	MP82858
Spike Sol 5	0.50	MP82859

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	1.00	MP81119
1:1 HCL	0.50	MP82127
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:

HG HOT BLOCK #3 CELL #50: 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/1/24 16:30	 Preparation Group	 Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P4539-01	TODDLER-1-SINK-A	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
P4539-02	TODDLER-1-SINK-B	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	2
P4539-03	TODDLER-2-SINK-A	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
P4539-04	TODDLER-2-SINK-B	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
P4539-05	TODDLER-3-SINK-A	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	5
P4539-06	TODDLER-3-SINK-B	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	6
P4539-07	TODDLER-4-SINK-A	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	7
P4539-08	TODDLER-4-SINK-B	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	8
P4539-09	KITCHEN-FOOD-WASH-SINK A	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	9
P4539-10	KITCHEN-FOOD-WASH-SINK B	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	10
P4539-11	KITCHEN-DISH-WASH-SINK A	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	11
P4539-12	KITCHEN-DISH-WASH-SINK B	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	12
P4539-13	WATER-FOUNTAIN-A	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	13
P4539-14	WATER-FOUNTAIN-B	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	14
P4539-15	ADK-SINK-A	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	15
P4539-16	ADK-SINK-B	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	16
P4539-17	ROOM-12-SINK-A	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	17
P4539-18	ROOM-12-SINK-B	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	18
P4539-19	INFANT-2-SINK-A	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	19
P4539-20	INFANT-2-SINK-B	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	20
P4539-20DUP	INFANT-2-SINK-BDUP	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	21
P4539-20MS	INFANT-2-SINK-BMS	<2	50	50	Colorless	Colorless	Clear	Clear	MP82855,MP82856,MP82857,N	22
P4539-20MSD	INFANT-2-SINK-BMSD	<2	50	50	Colorless	Colorless	Clear	Clear	MP82855,MP82856,MP82857,N	23
PB164603BL	PBW603	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	24
PB164603BS	LCS603	<2	50	50	Colorless	Colorless	Clear	Clear	MP82855,MP82856,MP82857,N	25

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB164603

Worklist ID : 185027

Department : Digestion

Date : 11-01-2024 12:26:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4539-01	TODDLER-1-SINK-A	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-02	TODDLER-1-SINK-B	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-03	TODDLER-2-SINK-A	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-04	TODDLER-2-SINK-B	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-05	TODDLER-3-SINK-A	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-06	TODDLER-3-SINK-B	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-07	TODDLER-4-SINK-A	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-08	TODDLER-4-SINK-B	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-09	KITCHEN-FOOD-WASH-SINK-A	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-10	KITCHEN-FOOD-WASH-SINK-B	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-11	KITCHEN-DISH-WASH-SINK-A	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-12	KITCHEN-DISH-WASH-SINK-B	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-13	WATER-FOUNTAIN-A	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-14	WATER-FOUNTAIN-B	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-15	ADK-SINK-A	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-16	ADK-SINK-B	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-17	ROOM-12-SINK-A	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-18	ROOM-12-SINK-B	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-19	INFANT-2-SINK-A	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8
P4539-20	INFANT-2-SINK-B	Water	Metals Group3	1:1 HNO3 to pH < 2	THEL05	K41	10/24/2024	200.8

Date/Time 11/1/24 12:50

Raw Sample Received by: JEP (not dig)

Raw Sample Relinquished by: JEP

Date/Time 11/1/24 13:50

Raw Sample Received by: JEP (not dig)

Raw Sample Relinquished by: JEP

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB133345

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	TUNE	TUNE	TUNE	11/06/24 21:23		Jaswal	OK
2	S0	S0	CAL1	11/06/24 21:57		Jaswal	OK
3	S2	S2	CAL3	11/06/24 22:01		Jaswal	OK
4	S3	S3	CAL4	11/06/24 22:04		Jaswal	OK
5	S4	S4	CAL5	11/06/24 22:09		Jaswal	OK
6	S5	S5	CAL6	11/06/24 22:16		Jaswal	OK
7	S6	S6	CAL7	11/06/24 22:19		Jaswal	OK
8	S7	S7	CAL8	11/06/24 22:22		Jaswal	OK
9	S8	S8	CAL9	11/06/24 22:25		Jaswal	OK
10	ICV01	ICV01	ICV	11/06/24 22:37		Jaswal	OK
11	ICB01	ICB01	ICB	11/06/24 22:41		Jaswal	OK
12	ICSA01	ICSA01	ICSA	11/06/24 22:44		Jaswal	OK
13	ICSAB01	ICSAB01	ICSAB	11/06/24 22:52		Jaswal	OK
14	CCV01	CCV01	CCV	11/06/24 22:56		Jaswal	OK
15	CCB01	CCB01	CCB	11/06/24 22:59		Jaswal	OK
16	CRI	CRI	CRDL	11/06/24 23:07		Jaswal	OK
17	PB164603BL	PB164603BL	MB	11/06/24 23:10		Jaswal	OK
18	PB164603BS	PB164603BS	LCS	11/06/24 23:14		Jaswal	OK

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB133345

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	P4539-01	TODDLER-1-SINK-A	SAM	11/06/24 23:17		Jaswal	OK
20	P4539-02	TODDLER-1-SINK-B	SAM	11/06/24 23:20		Jaswal	OK
21	P4539-03	TODDLER-2-SINK-A	SAM	11/06/24 23:24		Jaswal	OK
22	P4539-04	TODDLER-2-SINK-B	SAM	11/06/24 23:27		Jaswal	OK
23	P4539-05	TODDLER-3-SINK-A	SAM	11/06/24 23:31		Jaswal	OK
24	P4539-06	TODDLER-3-SINK-B	SAM	11/06/24 23:34		Jaswal	OK
25	P4539-07	TODDLER-4-SINK-A	SAM	11/06/24 23:38		Jaswal	OK
26	CCV02	CCV02	CCV	11/06/24 23:41		Jaswal	OK
27	CCB02	CCB02	CCB	11/06/24 23:45		Jaswal	OK
28	P4539-08	TODDLER-4-SINK-B	SAM	11/06/24 23:48		Jaswal	OK
29	P4539-09	KITCHEN-FOOD-WAS	SAM	11/06/24 23:52		Jaswal	OK
30	P4539-10	KITCHEN-FOOD-WAS	SAM	11/06/24 23:55		Jaswal	OK
31	P4539-11	KITCHEN-DISH-WAS	SAM	11/06/24 23:59		Jaswal	OK
32	P4539-12	KITCHEN-DISH-WAS	SAM	11/07/24 00:02		Jaswal	OK
33	P4539-13	WATER-FOUNTAIN-A	SAM	11/07/24 00:06		Jaswal	OK
34	P4539-14	WATER-FOUNTAIN-B	SAM	11/07/24 00:09		Jaswal	OK
35	P4539-15	ADK-SINK-A	SAM	11/07/24 00:13		Jaswal	OK
36	P4539-16	ADK-SINK-B	SAM	11/07/24 00:16		Jaswal	OK
37	P4539-17	ROOM-12-SINK-A	SAM	11/07/24 00:20		Jaswal	OK
38	CCV03	CCV03	CCV	11/07/24 00:23		Jaswal	OK

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB133345

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	11/07/24 00:26		Jaswal	OK
40	P4539-18	ROOM-12-SINK-B	SAM	11/07/24 00:30		Jaswal	OK
41	P4539-19	INFANT-2-SINK-A	SAM	11/07/24 00:34		Jaswal	OK
42	P4539-20	INFANT-2-SINK-B	SAM	11/07/24 00:37		Jaswal	OK
43	P4539-20DUP	INFANT-2-SINK-BDU	DUP	11/07/24 00:41		Jaswal	OK
44	P4539-20L	INFANT-2-SINK-BL	SD	11/07/24 00:44		Jaswal	OK
45	P4539-20MS	INFANT-2-SINK-BMS	MS	11/07/24 00:48		Jaswal	OK
46	P4539-20MSD	INFANT-2-SINK-BMS	MSD	11/07/24 00:51		Jaswal	OK
47	P4539-20A	INFANT-2-SINK-BA	PS	11/07/24 00:54		Jaswal	OK
48	PB164604BL	PB164604BL	MB	11/07/24 00:57		Jaswal	OK
49	PB164604BS	PB164604BS	LCS	11/07/24 01:01		Jaswal	OK
50	CCV04	CCV04	CCV	11/07/24 01:04		Jaswal	OK
51	CCB04	CCB04	CCB	11/07/24 01:07		Jaswal	OK
52	P4540-01	INFANT-2-SINK-C	SAM	11/07/24 01:11		Jaswal	OK
53	P4540-02	INFANT-2-SINK-D	SAM	11/07/24 01:15		Jaswal	OK
54	P4540-03	PRESCHOOL-1-SINK	SAM	11/07/24 01:18		Jaswal	OK
55	P4540-04	PRESCHOOL-1-SINK	SAM	11/07/24 01:22		Jaswal	OK
56	P4540-05	PRESCHOOL-2-SINK	SAM	11/07/24 01:25		Jaswal	OK
57	P4540-06	PRESCHOOL-2-SINK	SAM	11/07/24 01:29		Jaswal	OK
58	P4540-07	PRESCHOOL-3-SINK	SAM	11/07/24 01:32		Jaswal	OK

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB133345

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	P4540-08	PRESCHOOL-3-SINK	SAM	11/07/24 01:36		Jaswal	OK
60	P4540-09	PRESCHOOL-4-SINK	SAM	11/07/24 01:39		Jaswal	OK
61	P4540-10	PRESCHOOL-4-SINK	SAM	11/07/24 01:43		Jaswal	OK
62	CCV05	CCV05	CCV	11/07/24 01:46		Jaswal	OK
63	CCB05	CCB05	CCB	11/07/24 01:50		Jaswal	OK
64	P4540-11	INFANT-1-SINK-A	SAM	11/07/24 01:53		Jaswal	OK
65	P4540-12	INFANT-1-SINK-B	SAM	11/07/24 01:57		Jaswal	OK
66	P4540-13	INFANT-1-SINK-C	SAM	11/07/24 02:00		Jaswal	OK
67	P4540-14	INFANT-1-SINK-D	SAM	11/07/24 02:04		Jaswal	OK
68	P4540-15	PREKINDERGARTEN	SAM	11/07/24 02:07		Jaswal	OK
69	P4540-15DUP	PREKINDERGARTEN	DUP	11/07/24 02:11		Jaswal	OK
70	P4540-15L	PREKINDERGARTEN	SD	11/07/24 02:14		Jaswal	OK
71	P4540-15MS	PREKINDERGARTEN	MS	11/07/24 02:18		Jaswal	OK
72	P4540-15MSD	PREKINDERGARTEN	MSD	11/07/24 02:21		Jaswal	OK
73	P4540-15A	PREKINDERGARTEN	PS	11/07/24 02:24		Jaswal	OK
74	CCV06	CCV06	CCV	11/07/24 02:27		Jaswal	OK
75	CCB06	CCB06	CCB	11/07/24 02:30		Jaswal	OK
76	PB164605BL	PB164605BL	MB	11/07/24 02:34		Jaswal	OK
77	PB164605BS	PB164605BS	LCS	11/07/24 02:38		Jaswal	OK
78	P4540-16	PREKINDERGARTEN	SAM	11/07/24 02:41		Jaswal	OK

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB133345

Review By	Review On
Supervise By	Supervise On

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

79	P4540-17	PREKINDERGARTEN	SAM	11/07/24 02:44		Jaswal	OK
80	P4540-18	PREKINDERGARTEN	SAM	11/07/24 02:48		Jaswal	OK
81	P4540-19	PREKINDERGARTEN	SAM	11/07/24 02:51		Jaswal	OK
82	P4540-20	PREKINDERGARTEN	SAM	11/07/24 02:55		Jaswal	OK
83	P4540-21	TODDLER-BIG-ROOM	SAM	11/07/24 02:58		Jaswal	OK
84	P4540-22	TODDLER-BIG-ROOM	SAM	11/07/24 03:02		Jaswal	OK
85	P4540-23	STAFF-KITCHEN-A	SAM	11/07/24 03:05		Jaswal	OK
86	CCV07	CCV07	CCV	11/07/24 03:09		Jaswal	OK
87	CCB07	CCB07	CCB	11/07/24 03:12		Jaswal	OK
88	P4540-24	STAFF-KITCHEN-B	SAM	11/07/24 03:16		Jaswal	OK
89	P4540-25	FB-10-24-24	SAM	11/07/24 03:19		Jaswal	OK
90	P4540-25DUP	FB-10-24-24DUP	DUP	11/07/24 03:23		Jaswal	OK
91	P4540-25L	FB-10-24-24L	SD	11/07/24 03:26		Jaswal	OK
92	P4540-25MS	FB-10-24-24MS	MS	11/07/24 03:30		Jaswal	OK
93	P4540-25MSD	FB-10-24-24MSD	MSD	11/07/24 03:33		Jaswal	OK
94	P4540-25A	FB-10-24-24A	PS	11/07/24 03:36		Jaswal	OK
95	CCV08	CCV08	CCV	11/07/24 03:39		Jaswal	OK
96	CCB08	CCB08	CCB	11/07/24 03:43		Jaswal	OK



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number

P4539

2042134

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: The Learning Circle YMCA

ADDRESS: 95 Morris Ave

CITY: Summit STATE: NJ ZIP: 07901

ATTENTION: Marcia K

PHONE: (908) 213-3330

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Drinking Water 2024

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*

HARDCOPY (DATA PACKAGE): DAYS*

EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

Lead & Copper

PRESERVATIVES

COMMENTS

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

CHEMTECH
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE
COMP GRAB

SAMPLE
COLLECTION
DATE TIME

OF BOTTLES

B/E

1.	Toddler-1-Sink-A	AQ	X	10/24/24	0600	1	X										
2.	Toddler-1-Sink-B		X		0601	1	X										
3.	Toddler-2-Sink-A		X		0603	1	X										
4.	Toddler-2-Sink-B		X		0604	1	X										
5.	Toddler-3-Sink-A		X		0606	1	X										
6.	Toddler-3-Sink-B		X		0607	1	X										
7.	Toddler-4-Sink-A		X		0609	1	X										
8.	Toddler-4-Sink-B		X		0610	1	X										
9.	Kitchen Food wash Sink-A		X		0612	1	X										
10.	Kitchen Food wash Sink-B		X		0613	1	X										

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

RELINQUISHED BY SAMPLER:

DATE/TIME: 0720-1045

RECEIVED BY:

1. [Signature]

DATE/TIME: 10-24-24

1. [Signature]

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

2. [Signature]

DATE/TIME:

2. [Signature]

RELINQUISHED BY SAMPLER:

DATE/TIME: 1045

RECEIVED BY:

3. [Signature]

DATE/TIME: 10-24-24

3. [Signature]

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.6 °C

Comments:

Page 1 of 5

CLIENT: ☐ Hand Delivered ☐ Other

CHEMTECH: ☐ Picked Up ☒ Field Sampling

Shipment Complete

☒ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. **P4539**
QUOTE NO.
COC Number **2042135**

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: The Learning Circle Ymca
ADDRESS: 95 Morris Ave
CITY: Summit STATE: NJ ZIP: _____
ATTENTION: Marcia K
PHONE: (908) 273-3330 FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: Drinking Water 2024
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

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

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

Lead & Copper

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS		
			COMP	GRAB	DATE	TIME		BLE	1	2	3	4	5	6	7	8	9	← Specify Preservatives	
																		A-HCl	D-NaOH
																		B-HNO3	E-ICE
																		C-H2SO4	F-OTHER
1.	Kitchen Dish Wash Sink-A	AQ		X	10/24/24	0614	1	X											
2.	Kitchen Dish Wash Sink-B	↓		X	↓	0615	1	X											
3.	Water fountain-A			X		0617	1	X											
4.	Water fountain-B			X		0618	1	X											
5.	ADK-Sink-A			X		0620	1	X											
6.	ADK-Sink-B			X		0621	1	X											
7.	Room 12-Sink-A			X		0623	1	X											
8.	Room-12-Sink-B			X		0624	1	X											
9.	Infant-2-Sink-A			X		0626	1	X											
10.	Infant-2-Sink-B		↓	X		↓	0627	1	X										

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

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>10/24/24 10:45</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>2.6</u> °C Comments: _____ _____ _____
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: _____	RECEIVED BY: 2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>10/24/24 10:45</u>	RECEIVED BY: 3. <u>[Signature]</u>	

Page 2 of 5

CLIENT: ☐ Hand Delivered ☐ Other _____
 CHEMTECH: ☐ Picked Up ☒ Field Sampling

Shipment Complete
☒ YES ☐ NO



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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488