

Cover Page

Order ID : Q2878

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

Q2878-01
Q2878-02
Q2878-03
Q2878-05
Q2878-06

Client Sample Number

MW-18B-57.5-081325
MW-18B-57.5-081325
MW-18B-57.5-081325-SIM
MW-11A-37.5-081425
TB01-081425

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 8/26/2025



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

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site D3868221

Project # N/A

Order ID # Q2878

Test Name: Dissolved ICP-Group2,Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:

5 Water samples were received on 08/14/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS, VOC-SIM and VOCMS Group3. This data package contains results for Dissolved ICP-Group2,Mercury,Metals ICP-TAL.

C. Analytical Techniques:

The analysis of Dissolved ICP-Group2,Metals ICP-TAL was based on method 6020B, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike (MW-18B-57.5-081325MS) analysis met criteria for all compounds except for Calcium, Potassium and Silver due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (MW-18B-57.5-081325MSD) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

The Post Digest Spike (MW-18B-57.5-081325A) analysis met criteria for all compounds except for Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.



Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

Sample Q2878-01 was analyzed as Total Metal and Sample Q2878-02 was analyzed as Dissolved Metal.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2878

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 08/26/2025

LAB CHRONICLE

OrderID: Q2878	OrderDate: 8/14/2025 3:49:00 PM
Client: JACOBS Engineering Group, Inc.	Project: Former Schlumberger STC PTC Site D3868221
Contact: John Ynfante	Location: D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2878-01	MW-18B-57.5-081325	Water			08/13/25			08/14/25
			Mercury	7470A		08/20/25	08/21/25	
			Metals ICP-TAL	6020B		08/20/25	08/21/25	
Q2878-02	MW-18B-57.5-081325	Water			08/13/25			08/14/25
			Dissolved ICP-Group2	6020B		08/20/25	08/21/25	

Hit Summary Sheet
SW-846

SDG No.: Q2878

Order ID: Q2878

Client: JACOBS Engineering Group, Inc.

Project ID: Former Schlumberger STC PTC Site D386

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-18B-57.5-081325								
Q2878-01	MW-18B-57.5-081325	Water	Aluminum	935		1.94	20.0	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Antimony	1.69	J	0.11	2.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Arsenic	0.99	J	0.089	1.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Barium	285		0.21	10.0	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Calcium	89300		45.7	500	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Cobalt	5.72		0.070	1.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Iron	4590		7.81	50.0	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Magnesium	9790		19.5	500	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Manganese	534		0.43	1.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Nickel	11.0		0.27	1.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Potassium	20700		36.4	500	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Sodium	22100		128	500	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Thallium	0.080	J	0.060	1.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Vanadium	1.78	J	0.077	5.00	ug/L
Client ID : MW-18B-57.5-081325								
Q2878-02	MW-18B-57.5-081325	Water	Iron	510		7.81	50.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-18B-57.5-081325	SDG No.:	Q2878
Lab Sample ID:	Q2878-01	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.
7429-90-5	Aluminum	935		1	1.94	20.0	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-36-0	Antimony	1.69	J	1	0.11	2.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-38-2	Arsenic	0.99	J	1	0.089	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-39-3	Barium	285		1	0.21	10.0	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-70-2	Calcium	89300	N	1	45.7	500	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-47-3	Chromium	0.21	U	1	0.21	2.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-48-4	Cobalt	5.72		1	0.070	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7439-89-6	Iron	4590		1	7.81	50.0	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7439-92-1	Lead	0.21	U	1	0.21	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7439-95-4	Magnesium	9790		1	19.5	500	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7439-96-5	Manganese	534		1	0.43	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	08/20/25 13:50	08/21/25 09:43	7470A	
7440-02-0	Nickel	11.0		1	0.27	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-09-7	Potassium	20700	N	1	36.4	500	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-22-4	Silver	0.060	UN	1	0.060	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-23-5	Sodium	22100		1	128	500	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-28-0	Thallium	0.080	J	1	0.060	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-62-2	Vanadium	1.78	J	1	0.077	5.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-66-6	Zinc	1.25	U	1	1.25	5.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	METALS-TAL			

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:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-18B-57.5-081325	SDG No.:	Q2878
Lab Sample ID:	Q2878-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	510	1	7.81		50.0	ug/L	08/20/25 14:05	08/21/25 14:39	6020B	3010A

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

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV27	Mercury	3.72	4.0	93	90 - 110	CV	08/21/2025	08:59	LB136901

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV84	Mercury	4.93	5.0	99	90 - 110	CV	08/21/2025	09:03	LB136901
CCV85	Mercury	4.84	5.0	97	90 - 110	CV	08/21/2025	09:36	LB136901
CCV86	Mercury	5.00	5.0	100	90 - 110	CV	08/21/2025	10:12	LB136901

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	1530	1600	95	90 - 110	P	08/21/2025	12:15	LB136916
	Antimony	410	400	102	90 - 110	P	08/21/2025	12:15	LB136916
	Arsenic	404	400	101	90 - 110	P	08/21/2025	12:15	LB136916
	Barium	1600	1600	100	90 - 110	P	08/21/2025	12:15	LB136916
	Beryllium	40.4	40.0	101	90 - 110	P	08/21/2025	12:15	LB136916
	Cadmium	207	200	104	90 - 110	P	08/21/2025	12:15	LB136916
	Calcium	4220	4000	106	90 - 110	P	08/21/2025	12:15	LB136916
	Chromium	161	160	101	90 - 110	P	08/21/2025	12:15	LB136916
	Cobalt	400	400	100	90 - 110	P	08/21/2025	12:15	LB136916
	Copper	187	200	93	90 - 110	P	08/21/2025	12:15	LB136916
	Iron	856	800	107	90 - 110	P	08/21/2025	12:15	LB136916
	Lead	371	400	93	90 - 110	P	08/21/2025	12:15	LB136916
	Magnesium	3710	4000	93	90 - 110	P	08/21/2025	12:15	LB136916
	Manganese	369	400	92	90 - 110	P	08/21/2025	12:15	LB136916
	Nickel	409	400	102	90 - 110	P	08/21/2025	12:15	LB136916
	Potassium	3900	4000	98	90 - 110	P	08/21/2025	12:15	LB136916
	Selenium	404	400	101	90 - 110	P	08/21/2025	12:15	LB136916
	Silver	209	200	105	90 - 110	P	08/21/2025	12:15	LB136916
	Sodium	4010	4000	100	90 - 110	P	08/21/2025	12:15	LB136916
	Thallium	378	400	94	90 - 110	P	08/21/2025	12:15	LB136916
	Vanadium	396	400	99	90 - 110	P	08/21/2025	12:15	LB136916
	Zinc	376	400	94	90 - 110	P	08/21/2025	12:15	LB136916

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	19.3	20.0	96	80 - 120	P	08/21/2025	12:26	LB136916
	Antimony	2.10	2.0	105	80 - 120	P	08/21/2025	12:26	LB136916
	Arsenic	0.99	1.0	99	80 - 120	P	08/21/2025	12:26	LB136916
	Barium	9.84	10.0	98	80 - 120	P	08/21/2025	12:26	LB136916
	Beryllium	1.09	1.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Cadmium	1.05	1.0	105	80 - 120	P	08/21/2025	12:26	LB136916
	Calcium	516	500	103	80 - 120	P	08/21/2025	12:26	LB136916
	Chromium	1.96	2.0	98	80 - 120	P	08/21/2025	12:26	LB136916
	Cobalt	1.06	1.0	106	80 - 120	P	08/21/2025	12:26	LB136916
	Copper	2.00	2.0	100	80 - 120	P	08/21/2025	12:26	LB136916
	Iron	53.8	50.0	108	80 - 120	P	08/21/2025	12:26	LB136916
	Lead	0.82	1.0	82	80 - 120	P	08/21/2025	12:26	LB136916
	Magnesium	497	500	99	80 - 120	P	08/21/2025	12:26	LB136916
	Manganese	1.02	1.0	102	80 - 120	P	08/21/2025	12:26	LB136916
	Nickel	0.99	1.0	99	80 - 120	P	08/21/2025	12:26	LB136916
	Potassium	504	500	101	80 - 120	P	08/21/2025	12:26	LB136916
	Selenium	5.45	5.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Silver	1.09	1.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Sodium	510	500	102	80 - 120	P	08/21/2025	12:26	LB136916
	Thallium	0.96	1.0	96	80 - 120	P	08/21/2025	12:26	LB136916
	Vanadium	4.98	5.0	100	80 - 120	P	08/21/2025	12:26	LB136916
	Zinc	5.43	5.0	109	80 - 120	P	08/21/2025	12:26	LB136916

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	46300	50000	93	90 - 110	P	08/21/2025	12:39	LB136916
	Antimony	522	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Arsenic	500	500	100	90 - 110	P	08/21/2025	12:39	LB136916
	Barium	2650	2500	106	90 - 110	P	08/21/2025	12:39	LB136916
	Beryllium	521	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Cadmium	512	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Calcium	249000	250000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Chromium	511	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Cobalt	505	500	101	90 - 110	P	08/21/2025	12:39	LB136916
	Copper	4990	5000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Iron	122000	125000	97	90 - 110	P	08/21/2025	12:39	LB136916
	Lead	2590	2500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Magnesium	247000	250000	99	90 - 110	P	08/21/2025	12:39	LB136916
	Manganese	5070	5000	101	90 - 110	P	08/21/2025	12:39	LB136916
	Nickel	495	500	99	90 - 110	P	08/21/2025	12:39	LB136916
	Potassium	122000	125000	98	90 - 110	P	08/21/2025	12:39	LB136916
	Selenium	489	500	98	90 - 110	P	08/21/2025	12:39	LB136916
	Silver	518	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Sodium	251000	250000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Thallium	520	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Vanadium	510	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Zinc	4820	5000	96	90 - 110	P	08/21/2025	12:39	LB136916
CCV02	Aluminum	46800	50000	94	90 - 110	P	08/21/2025	13:40	LB136916
	Antimony	519	500	104	90 - 110	P	08/21/2025	13:40	LB136916
	Arsenic	495	500	99	90 - 110	P	08/21/2025	13:40	LB136916
	Barium	2630	2500	105	90 - 110	P	08/21/2025	13:40	LB136916
	Beryllium	519	500	104	90 - 110	P	08/21/2025	13:40	LB136916
	Cadmium	506	500	101	90 - 110	P	08/21/2025	13:40	LB136916
	Calcium	252000	250000	101	90 - 110	P	08/21/2025	13:40	LB136916
	Chromium	496	500	99	90 - 110	P	08/21/2025	13:40	LB136916
	Cobalt	484	500	97	90 - 110	P	08/21/2025	13:40	LB136916
	Copper	4960	5000	99	90 - 110	P	08/21/2025	13:40	LB136916
	Iron	121000	125000	96	90 - 110	P	08/21/2025	13:40	LB136916
	Lead	2500	2500	100	90 - 110	P	08/21/2025	13:40	LB136916

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	249000	250000	100	90 - 110	P	08/21/2025	13:40	LB136916
	Manganese	5000	5000	100	90 - 110	P	08/21/2025	13:40	LB136916
	Nickel	488	500	98	90 - 110	P	08/21/2025	13:40	LB136916
	Potassium	121000	125000	97	90 - 110	P	08/21/2025	13:40	LB136916
	Selenium	488	500	98	90 - 110	P	08/21/2025	13:40	LB136916
	Silver	515	500	103	90 - 110	P	08/21/2025	13:40	LB136916
	Sodium	254000	250000	102	90 - 110	P	08/21/2025	13:40	LB136916
	Thallium	505	500	101	90 - 110	P	08/21/2025	13:40	LB136916
	Vanadium	498	500	100	90 - 110	P	08/21/2025	13:40	LB136916
	Zinc	4810	5000	96	90 - 110	P	08/21/2025	13:40	LB136916
CCV03	Aluminum	48300	50000	96	90 - 110	P	08/21/2025	14:32	LB136916
	Antimony	502	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Arsenic	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Barium	2560	2500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Beryllium	531	500	106	90 - 110	P	08/21/2025	14:32	LB136916
	Cadmium	495	500	99	90 - 110	P	08/21/2025	14:32	LB136916
	Calcium	244000	250000	98	90 - 110	P	08/21/2025	14:32	LB136916
	Chromium	512	500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Cobalt	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Copper	5010	5000	100	90 - 110	P	08/21/2025	14:32	LB136916
	Iron	122000	125000	98	90 - 110	P	08/21/2025	14:32	LB136916
	Lead	2540	2500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Magnesium	254000	250000	102	90 - 110	P	08/21/2025	14:32	LB136916
	Manganese	5100	5000	102	90 - 110	P	08/21/2025	14:32	LB136916
	Nickel	498	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Potassium	125000	125000	100	90 - 110	P	08/21/2025	14:32	LB136916
	Selenium	483	500	96	90 - 110	P	08/21/2025	14:32	LB136916
	Silver	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Sodium	252000	250000	101	90 - 110	P	08/21/2025	14:32	LB136916
	Thallium	502	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Vanadium	510	500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Zinc	4870	5000	97	90 - 110	P	08/21/2025	14:32	LB136916
CCV04	Aluminum	47200	50000	94	90 - 110	P	08/21/2025	15:12	LB136916
	Antimony	506	500	101	90 - 110	P	08/21/2025	15:12	LB136916

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	502	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Barium	2540	2500	102	90 - 110	P	08/21/2025	15:12	LB136916
	Beryllium	515	500	103	90 - 110	P	08/21/2025	15:12	LB136916
	Cadmium	499	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Calcium	238000	250000	95	90 - 110	P	08/21/2025	15:12	LB136916
	Chromium	501	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Cobalt	493	500	99	90 - 110	P	08/21/2025	15:12	LB136916
	Copper	4930	5000	99	90 - 110	P	08/21/2025	15:12	LB136916
	Iron	119000	125000	95	90 - 110	P	08/21/2025	15:12	LB136916
	Lead	2500	2500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Magnesium	251000	250000	100	90 - 110	P	08/21/2025	15:12	LB136916
	Manganese	5020	5000	100	90 - 110	P	08/21/2025	15:12	LB136916
	Nickel	487	500	97	90 - 110	P	08/21/2025	15:12	LB136916
	Potassium	122000	125000	98	90 - 110	P	08/21/2025	15:12	LB136916
	Selenium	483	500	97	90 - 110	P	08/21/2025	15:12	LB136916
	Silver	508	500	102	90 - 110	P	08/21/2025	15:12	LB136916
	Sodium	252000	250000	101	90 - 110	P	08/21/2025	15:12	LB136916
	Thallium	506	500	101	90 - 110	P	08/21/2025	15:12	LB136916
	Vanadium	505	500	101	90 - 110	P	08/21/2025	15:12	LB136916
	Zinc	4750	5000	95	90 - 110	P	08/21/2025	15:12	LB136916



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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.23	0.2	115	70 - 130	CV	08/21/2025	09:08	LB136901
CRI	Aluminum	20.2	20.0	101	70 - 130	P	08/21/2025	12:48	LB136916
	Antimony	2.16	2.0	108	70 - 130	P	08/21/2025	12:48	LB136916
	Arsenic	1.05	1.0	105	70 - 130	P	08/21/2025	12:48	LB136916
	Barium	10.7	10.0	107	70 - 130	P	08/21/2025	12:48	LB136916
	Beryllium	1.18	1.0	118	70 - 130	P	08/21/2025	12:48	LB136916
	Cadmium	0.98	1.0	98	70 - 130	P	08/21/2025	12:48	LB136916
	Calcium	555	500	111	70 - 130	P	08/21/2025	12:48	LB136916
	Chromium	2.13	2.0	106	70 - 130	P	08/21/2025	12:48	LB136916
	Cobalt	1.16	1.0	116	50 - 150	P	08/21/2025	12:48	LB136916
	Copper	2.11	2.0	106	70 - 130	P	08/21/2025	12:48	LB136916
	Iron	59.0	50.0	118	70 - 130	P	08/21/2025	12:48	LB136916
	Lead	1.03	1.0	103	70 - 130	P	08/21/2025	12:48	LB136916
	Magnesium	524	500	105	70 - 130	P	08/21/2025	12:48	LB136916
	Manganese	1.01	1.0	101	50 - 150	P	08/21/2025	12:48	LB136916
	Nickel	1.19	1.0	119	70 - 130	P	08/21/2025	12:48	LB136916
	Potassium	561	500	112	70 - 130	P	08/21/2025	12:48	LB136916
	Selenium	5.74	5.0	115	70 - 130	P	08/21/2025	12:48	LB136916
	Silver	1.10	1.0	110	70 - 130	P	08/21/2025	12:48	LB136916
	Sodium	558	500	112	70 - 130	P	08/21/2025	12:48	LB136916
	Thallium	1.00	1.0	100	70 - 130	P	08/21/2025	12:48	LB136916
	Vanadium	5.41	5.0	108	70 - 130	P	08/21/2025	12:48	LB136916
	Zinc	5.49	5.0	110	50 - 150	P	08/21/2025	12:48	LB136916



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB27	Mercury	0.076	+/-0.2	U	0.20	CV	08/21/2025	09:01	LB136901

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB84	Mercury	0.076	+/-0.2	U	0.20	CV	08/21/2025	09:05	LB136901
CCB85	Mercury	0.076	+/-0.2	U	0.20	CV	08/21/2025	09:38	LB136901
CCB86	Mercury	0.076	+/-0.2	U	0.20	CV	08/21/2025	10:14	LB136901

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	12:29	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	12:29	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	12:29	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	12:44	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	12:44	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	12:44	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
CCB02	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	13:43	LB136916
	Antimony	0.15	+/-1	J	2.00	P	08/21/2025	13:43	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	13:43	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	13:43	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	13:43	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	13:43	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916
CCB03	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	14:34	LB136916
	Antimony	0.15	+/-1	J	2.00	P	08/21/2025	14:34	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	14:34	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	14:34	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	14:34	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	14:34	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
CCB04	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	15:18	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	15:18	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	15:18	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916

Metals
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PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169327BL		WATER		Batch Number:	PB169327		Prep Date:	08/20/2025	
	Mercury	0.076	<0.2	U	0.20	CV	08/21/2025	09:14	LB136901

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169323BL	WATER			Batch Number:	PB169323		Prep Date:	08/20/2025	
	Aluminum	1.94	<10	U	20.0	P	08/21/2025	13:52	LB136916
	Antimony	0.15	<1	J	2.00	P	08/21/2025	13:52	LB136916
	Arsenic	0.089	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Barium	0.21	<5	U	10.0	P	08/21/2025	13:52	LB136916
	Beryllium	0.32	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Cadmium	0.34	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Calcium	45.7	<250	U	500	P	08/21/2025	13:52	LB136916
	Chromium	0.21	<1	U	2.00	P	08/21/2025	13:52	LB136916
	Cobalt	0.070	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Copper	0.30	<1	U	2.00	P	08/21/2025	13:52	LB136916
	Iron	7.81	<25	U	50.0	P	08/21/2025	13:52	LB136916
	Lead	0.21	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Magnesium	19.5	<250	U	500	P	08/21/2025	13:52	LB136916
	Manganese	0.43	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Nickel	0.27	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Potassium	36.4	<250	U	500	P	08/21/2025	13:52	LB136916
	Selenium	2.90	<2.5	U	5.00	P	08/21/2025	13:52	LB136916
	Silver	0.060	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Sodium	128	<250	U	500	P	08/21/2025	13:52	LB136916
	Thallium	0.060	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Vanadium	0.077	<2.5	U	5.00	P	08/21/2025	13:52	LB136916
	Zinc	1.25	<2.5	U	5.00	P	08/21/2025	13:52	LB136916

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

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	Aluminum	93700	100000	94	0	0	08/21/2025	12:33	LB136916
	Antimony	1.09	1.5	73	-2.5	5.5	08/21/2025	12:33	LB136916
	Arsenic	0.28	0.1	280	-1.9	2.1	08/21/2025	12:33	LB136916
	Barium	1.42	1.2	118	-18.8	21.2	08/21/2025	12:33	LB136916
	Beryllium	0.27			-2	2	08/21/2025	12:33	LB136916
	Cadmium	0	0.7		-1.3	2.7	08/21/2025	12:33	LB136916
	Calcium	100000	100000	100	0	0	08/21/2025	12:33	LB136916
	Chromium	20.1	21.0	96	17	25	08/21/2025	12:33	LB136916
	Cobalt	1.30	1.0	130	-1	3	08/21/2025	12:33	LB136916
	Copper	7.38	8.0	92	4	12	08/21/2025	12:33	LB136916
	Iron	100000	100000	100	0	0	08/21/2025	12:33	LB136916
	Lead	4.27	4.0	107	2	6	08/21/2025	12:33	LB136916
	Magnesium	96000	100000	96	0	0	08/21/2025	12:33	LB136916
	Manganese	7.22	7.0	103	5	9	08/21/2025	12:33	LB136916
	Nickel	5.50	6.0	92	4	8	08/21/2025	12:33	LB136916
	Potassium	101000	100000	101	0	0	08/21/2025	12:33	LB136916
	Selenium	0.050	0.3	17	-9.7	10	08/21/2025	12:33	LB136916
	Silver	0.050			-2	2	08/21/2025	12:33	LB136916
	Sodium	105000	100000	105	0	0	08/21/2025	12:33	LB136916
	Thallium	0.040			-2	2	08/21/2025	12:33	LB136916
	Vanadium	0.19	0.5	38	-9.5	10.5	08/21/2025	12:33	LB136916
	Zinc	9.71	11.0	88	1	21	08/21/2025	12:33	LB136916
ICSAB01	Aluminum	93100	100000	93	0	0	08/21/2025	12:36	LB136916
	Antimony	21.4	22.0	97	18	26	08/21/2025	12:36	LB136916
	Arsenic	20.3	19.0	107	16.2	21.9	08/21/2025	12:36	LB136916
	Barium	21.8	22.0	99	2	42	08/21/2025	12:36	LB136916
	Beryllium	20.8	19.0	110	16.2	21.9	08/21/2025	12:36	LB136916
	Cadmium	20.7	20.0	104	17	23	08/21/2025	12:36	LB136916
	Calcium	99700	100000	100	0	0	08/21/2025	12:36	LB136916
	Chromium	40.2	40.0	100	34	46	08/21/2025	12:36	LB136916
	Cobalt	21.6	20.0	108	17	23	08/21/2025	12:36	LB136916
	Copper	26.5	25.0	106	21	29	08/21/2025	12:36	LB136916
	Iron	101000	100000	101	0	0	08/21/2025	12:36	LB136916
	Lead	23.3	25.0	93	21.3	28.8	08/21/2025	12:36	LB136916
	Magnesium	93700	100000	94	0	0	08/21/2025	12:36	LB136916
	Manganese	25.7	27.0	95	23	31.1	08/21/2025	12:36	LB136916
	Nickel	26.0	24.0	108	20.4	27.6	08/21/2025	12:36	LB136916
	Potassium	101000	100000	101	0	0	08/21/2025	12:36	LB136916
	Selenium	20.0	19.0	105	9	29	08/21/2025	12:36	LB136916
	Silver	20.2	18.0	112	15.3	20.7	08/21/2025	12:36	LB136916
	Sodium	104000	100000	104	0	0	08/21/2025	12:36	LB136916
	Thallium	19.8	21.0	94	17.9	24.2	08/21/2025	12:36	LB136916

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

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
ICSAB01	Vanadium	20.0	19.0	105	9	29	08/21/2025	12:36	LB136916
	Zinc	29.0	29.0	100	19	39	08/21/2025	12:36	LB136916



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2878
contract: JACO05 **lab code:** ACE
matrix: Water **sample id:** Q2869-01 **client id:** MW-19B-71.5-081325MS
Percent Solids for Sample: NA **Spiked ID:** Q2869-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.18		0.20	U	4.0	104		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>JACOBS Engineering Group, Inc.</u>	level:	<u>low</u>	sdg no.:	<u>Q2878</u>
contract:	<u>JACO05</u>			lab code:	<u>ACE</u>
matrix:	<u>Water</u>	sample id:	<u>Q2869-01</u>	client id:	<u>MW-19B-71.5-081325MSD</u>
Percent Solids for Sample:	NA	Spiked ID:	Q2869-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.13		0.20	U	4.0	103		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2878
contract: JACO05 **lab code:** ACE
matrix: Water **sample id:** Q2878-01 **client id:** MW-18B-57.5-081325MS
Percent Solids for Sample: NA **Spiked ID:** Q2878-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	9190		935		10000	83		P
Antimony	ug/L	75 - 125	469		1.69	J	500	94		P
Arsenic	ug/L	75 - 125	459		0.99	J	500	92		P
Barium	ug/L	75 - 125	2380		285		2500	84		P
Beryllium	ug/L	75 - 125	460		1.00	U	500	92		P
Cadmium	ug/L	75 - 125	463		1.00	U	500	93		P
Calcium	ug/L	75 - 125	125000		89300		50000	71	N	P
Chromium	ug/L	75 - 125	438		2.00	U	500	88		P
Cobalt	ug/L	75 - 125	466		5.72		500	92		P
Copper	ug/L	75 - 125	4170		2.00	U	5000	83		P
Iron	ug/L	75 - 125	24600		4590		25000	80		P
Lead	ug/L	75 - 125	2290		1.00	U	2500	92		P
Magnesium	ug/L	75 - 125	55400		9790		50000	91		P
Manganese	ug/L	75 - 125	4700		534		5000	83		P
Nickel	ug/L	75 - 125	456		11.0		500	89		P
Potassium	ug/L	75 - 125	39100		20700		25000	74	N	P
Selenium	ug/L	75 - 125	459		5.00	U	500	92		P
Silver	ug/L	75 - 125	76.7		1.00	U	500	15	N	P
Sodium	ug/L	75 - 125	66800		22100		50000	89		P
Thallium	ug/L	75 - 125	451		0.080	J	500	90		P
Vanadium	ug/L	75 - 125	462		1.78	J	500	92		P
Zinc	ug/L	75 - 125	4210		5.00	U	5000	84		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2878
contract: JACO05 **lab code:** ACE
matrix: Water **sample id:** Q2878-01 **client id:** MW-18B-57.5-081325MSD
Percent Solids for Sample: NA **Spiked ID:** Q2878-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	9170		935		10000	82		P
Antimony	ug/L	75 - 125	473		1.69	J	500	94		P
Arsenic	ug/L	75 - 125	459		0.99	J	500	92		P
Barium	ug/L	75 - 125	2390		285		2500	84		P
Beryllium	ug/L	75 - 125	457		1.00	U	500	91		P
Cadmium	ug/L	75 - 125	470		1.00	U	500	94		P
Calcium	ug/L	75 - 125	129000		89300		50000	80		P
Chromium	ug/L	75 - 125	449		2.00	U	500	90		P
Cobalt	ug/L	75 - 125	469		5.72		500	93		P
Copper	ug/L	75 - 125	4240		2.00	U	5000	85		P
Iron	ug/L	75 - 125	25200		4590		25000	83		P
Lead	ug/L	75 - 125	2260		1.00	U	2500	90		P
Magnesium	ug/L	75 - 125	56200		9790		50000	93		P
Manganese	ug/L	75 - 125	4690		534		5000	83		P
Nickel	ug/L	75 - 125	470		11.0		500	92		P
Potassium	ug/L	75 - 125	41000		20700		25000	81		P
Selenium	ug/L	75 - 125	465		5.00	U	500	93		P
Silver	ug/L	75 - 125	78.0		1.00	U	500	16	N	P
Sodium	ug/L	75 - 125	68400		22100		50000	93		P
Thallium	ug/L	75 - 125	449		0.080	J	500	90		P
Vanadium	ug/L	75 - 125	470		1.78	J	500	94		P
Zinc	ug/L	75 - 125	4270		5.00	U	5000	85		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Matrix: Water

Level: LOW

Client ID: MW-18B-57.5-081325A

Sample ID: Q2878-01 **Spiked ID:** Q2878-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Calcium	ug/L	75 - 125	127000		89300		50000	76		P
Potassium	ug/L	75 - 125	41000		20700		25000	81		P
Silver	ug/L	75 - 125	77.9		1.00	U	500	16	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>JACOBS Engineering Group, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2878</u>
Contract:	<u>JACO05</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2869-01</u>	Client ID:	<u>MW-19B-71.5-081325DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2869-01DUP	Percent Solids for Spike Sample:	NA

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>JACOBS Engineering Group, Inc.</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2878</u>
Contract:	<u>JACO05</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2869-01MS</u>	Client ID:	<u>MW-19B-71.5-081325MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2869-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	4.18		4.13		1		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2878
Contract: JACO05 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2878-01 **Client ID:** MW-18B-57.5-081325DUP
Percent Solids for Sample: NA **Duplicate ID** Q2878-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	935		927		1		P
Antimony	ug/L	20	1.69	J	1.57	J	7		P
Arsenic	ug/L	20	0.99	J	1.02		3		P
Barium	ug/L	20	285		279		2		P
Beryllium	ug/L	20	1.00	U	1.00	U			P
Cadmium	ug/L	20	1.00	U	1.00	U			P
Calcium	ug/L	20	89300		88000		1		P
Chromium	ug/L	20	2.00	U	2.00	U			P
Cobalt	ug/L	20	5.72		5.64		1		P
Copper	ug/L	20	2.00	U	2.00	U			P
Iron	ug/L	20	4590		4540		1		P
Lead	ug/L	20	1.00	U	1.00	U			P
Magnesium	ug/L	20	9790		9800		0		P
Manganese	ug/L	20	534		535		0		P
Nickel	ug/L	20	11.0		11.0		0		P
Potassium	ug/L	20	20700		20400		1		P
Selenium	ug/L	20	5.00	U	5.00	U			P
Silver	ug/L	20	1.00	U	1.00	U			P
Sodium	ug/L	20	22100		22300		1		P
Thallium	ug/L	20	0.080	J	1.00	U	200.0		P
Vanadium	ug/L	20	1.78	J	1.76	J	1		P
Zinc	ug/L	20	5.00	U	5.00	U			P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2878
Contract: JACO05 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2878-01MS **Client ID:** MW-18B-57.5-081325MSD
Percent Solids for Sample: NA **Duplicate ID** Q2878-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	9190		9170		0		P
Antimony	ug/L	20	469		473		1		P
Arsenic	ug/L	20	459		459		0		P
Barium	ug/L	20	2380		2390		0		P
Beryllium	ug/L	20	460		457		1		P
Cadmium	ug/L	20	463		470		2		P
Calcium	ug/L	20	125000		129000		3		P
Chromium	ug/L	20	438		449		2		P
Cobalt	ug/L	20	466		469		1		P
Copper	ug/L	20	4170		4240		2		P
Iron	ug/L	20	24600		25200		2		P
Lead	ug/L	20	2290		2260		1		P
Magnesium	ug/L	20	55400		56200		1		P
Manganese	ug/L	20	4700		4690		0		P
Nickel	ug/L	20	456		470		3		P
Potassium	ug/L	20	39100		41000		5		P
Selenium	ug/L	20	459		465		1		P
Silver	ug/L	20	76.7		78.0		2		P
Sodium	ug/L	20	66800		68400		2		P
Thallium	ug/L	20	451		449		0		P
Vanadium	ug/L	20	462		470		2		P
Zinc	ug/L	20	4210		4270		1		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169323BS							
Aluminum	ug/L	10000	10100		101	80 - 120	P
Antimony	ug/L	500	507		101	80 - 120	P
Arsenic	ug/L	500	500		100	80 - 120	P
Barium	ug/L	2500	2540		102	80 - 120	P
Beryllium	ug/L	500	494		99	80 - 120	P
Cadmium	ug/L	500	508		102	80 - 120	P
Calcium	ug/L	50000	50300		101	80 - 120	P
Chromium	ug/L	500	491		98	80 - 120	P
Cobalt	ug/L	500	500		100	80 - 120	P
Copper	ug/L	5000	4980		100	80 - 120	P
Iron	ug/L	25000	25800		103	80 - 120	P
Lead	ug/L	2500	2440		98	80 - 120	P
Magnesium	ug/L	50000	50600		101	80 - 120	P
Manganese	ug/L	5000	4930		99	80 - 120	P
Nickel	ug/L	500	495		99	80 - 120	P
Potassium	ug/L	25000	25600		102	80 - 120	P
Selenium	ug/L	500	503		101	80 - 120	P
Silver	ug/L	500	514		103	80 - 120	P
Sodium	ug/L	50000	51700		103	80 - 120	P
Thallium	ug/L	500	487		97	80 - 120	P
Vanadium	ug/L	500	493		99	80 - 120	P
Zinc	ug/L	5000	5020		100	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169327BS Mercury	ug/L	4.0	4.18		104	80 - 120	CV

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2878

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1133	100		100		100		100		100	
S2	S2	1139	106		103		101		103		101	
S3	S3	1143	108		102		102		102		100	
S4	S4	1146	107		101		101		100		100	
S5	S5	1149	109		102		102		100		104	
S6	S6	1152	110		103		104		100		106	
S7	S7	1154	108		103		103		99		106	
S8	S8	1157	107		103		103		95		104	
ICV01	ICV01	1215	105		99		98		98		98	
LLICV01	LLICV01	1226	103		97		98		98		99	
ICB01	ICB01	1229	103		99		100		97		98	
ICSA01	ICSA01	1233	104		99		103		98		105	
ICSAB01	ICSAB01	1236	102		101		103		100		104	
CCV01	CCV01	1239	104		105		107		101		106	
CCB01	CCB01	1244	99		102		104		103		101	
CRI	CRI	1248	99		101		104		102		101	
CCV02	CCV02	1340	107		103		104		98		103	
CCB02	CCB02	1343	103		99		100		100		98	
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1350										
PB169323BL	PB169323BL	1352	99		96		98		96		96	
PB169323BS	PB169323BS	1356	105		102		104		101		103	
Q2878-01	MW-18B-57.5	1358	119		119		119		116		117	
Q2878-01DUP	MW-18B-57.5	1402	121		120		123		118		121	
Q2878-01L	MW-18B-57.5	1405	106		107		107		105		105	
Q2878-01MS	MW-18B-57.5	1408	122		124		125		118		121	
Q2878-01MSD	MW-18B-57.5	1411	121		122		124		119		120	
Q2878-01A	MW-18B-57.5	1414	121		123		125		119		121	
CCV03	CCV03	1432	103		107		107		99		105	
CCB03	CCB03	1434	100		99		100		98		99	
Q2878-02	MW-18B-57.5	1439	112		115		115		112		111	
ZZZZZZ	ZZZZZZ	1442										
ZZZZZZ	ZZZZZZ	1445										
ZZZZZZ	ZZZZZZ	1448										
ZZZZZZ	ZZZZZZ	1451										
ZZZZZZ	ZZZZZZ	1506										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2878

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	1509										
CCV04	CCV04	1512	116		116		114		107		111	
CCB04	CCB04	1518	106		103		104		101		100	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2878

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1133	100		100		100		100		100	
S2	S2	1139	103		103		103		102		103	
S3	S3	1143	103		102		102		103		102	
S4	S4	1146	101		99		101		101		102	
S5	S5	1149	101		100		98		103		103	
S6	S6	1152	102		101		100		101		104	
S7	S7	1154	105		104		102		107		107	
S8	S8	1157	107		105		98		105		108	
ICV01	ICV01	1215	99		97		99		98		101	
LLICV01	LLICV01	1226	99		100		101		101		101	
ICB01	ICB01	1229	97		100		99		100		101	
ICSA01	ICSA01	1233	101		102		100		102		104	
ICSAB01	ICSAB01	1236	104		103		101		105		107	
CCV01	CCV01	1239	111		111		105		108		110	
CCB01	CCB01	1244	103		104		105		103		104	
CRI	CRI	1248	103		103		103		102		103	
CCV02	CCV02	1340	106		105		99		106		108	
CCB02	CCB02	1343	99		100		99		101		103	
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1350										
PB169323BL	PB169323BL	1352	98		98		100		98		101	
PB169323BS	PB169323BS	1356	104		104		103		106		107	
Q2878-01	MW-18B-57.5	1358	118		119		117		116		123	
Q2878-01DUP	MW-18B-57.5	1402	121		122		118		118		123	
Q2878-01L	MW-18B-57.5	1405	106		107		105		105		108	
Q2878-01MS	MW-18B-57.5	1408	124		122		120		120		125	
Q2878-01MSD	MW-18B-57.5	1411	122		123		118		118		124	
Q2878-01A	MW-18B-57.5	1414	122		123		119		121		123	
CCV03	CCV03	1432	106		104		99		103		107	
CCB03	CCB03	1434	100		101		99		100		105	
Q2878-02	MW-18B-57.5	1439	114		116		112		113		116	
ZZZZZZ	ZZZZZZ	1442										
ZZZZZZ	ZZZZZZ	1445										
ZZZZZZ	ZZZZZZ	1448										
ZZZZZZ	ZZZZZZ	1451										
ZZZZZZ	ZZZZZZ	1506										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: ACE

SDG No.: Q2878

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1509										
CCV04	CCV04	1512	114		112		106		112		114	
CCB04	CCB04	1518	103		102		101		102		106	

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: ACE

SDG No.: Q2878

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1133	100		100							
S2	S2	1139	102		104							
S3	S3	1143	101		104							
S4	S4	1146	103		106							
S5	S5	1149	103		106							
S6	S6	1152	104		105							
S7	S7	1154	106		105							
S8	S8	1157	103		98							
ICV01	ICV01	1215	99		101							
LLICV01	LLICV01	1226	99		101							
ICB01	ICB01	1229	99		102							
ICSA01	ICSA01	1233	105		103							
ICSAB01	ICSAB01	1236	106		102							
CCV01	CCV01	1239	107		104							
CCB01	CCB01	1244	101		104							
CRI	CRI	1248	103		103							
CCV02	CCV02	1340	106		102							
CCB02	CCB02	1343	102		101							
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1350										
PB169323BL	PB169323BL	1352	97		96							
PB169323BS	PB169323BS	1356	105		104							
Q2878-01	MW-18B-57.5	1358	119		117							
Q2878-01DUP	MW-18B-57.5	1402	122		118							
Q2878-01L	MW-18B-57.5	1405	107		103							
Q2878-01MS	MW-18B-57.5	1408	124		119							
Q2878-01MSD	MW-18B-57.5	1411	124		118							
Q2878-01A	MW-18B-57.5	1414	125		121							
CCV03	CCV03	1432	109		100							
CCB03	CCB03	1434	100		99							
Q2878-02	MW-18B-57.5	1439	112		109							
ZZZZZZ	ZZZZZZ	1442										
ZZZZZZ	ZZZZZZ	1445										
ZZZZZZ	ZZZZZZ	1448										

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: ACE

SDG No.: Q2878

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1451										
ZZZZZZ	ZZZZZZ	1506										
ZZZZZZ	ZZZZZZ	1509										
CCV04	CCV04	1512	113		105							
CCB04	CCB04	1518	103		102							

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: ACE

SDG No.: Q2878

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1133	100									
S2	S2	1139	104									
S3	S3	1143	104									
S4	S4	1146	102									
S5	S5	1149	102									
S6	S6	1152	103									
S7	S7	1154	103									
S8	S8	1157	99									
ICV01	ICV01	1215	101									
LLICV01	LLICV01	1226	102									
ICB01	ICB01	1229	103									
ICSA01	ICSA01	1233	101									
ICSAB01	ICSAB01	1236	101									
CCV01	CCV01	1239	103									
CCB01	CCB01	1244	104									
CRI	CRI	1248	103									
CCV02	CCV02	1340	102									
CCB02	CCB02	1343	102									
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1350										
PB169323BL	PB169323BL	1352	98									
PB169323BS	PB169323BS	1356	104									
Q2878-01	MW-18B-57.5-	1358	115									
Q2878-01DUP	MW-18B-57.5-	1402	116									
Q2878-01L	MW-18B-57.5-	1405	104									
Q2878-01MS	MW-18B-57.5-	1408	116									
Q2878-01MSD	MW-18B-57.5-	1411	116									
Q2878-01A	MW-18B-57.5-	1414	116									
CCV03	CCV03	1432	97									
CCB03	CCB03	1434	99									
Q2878-02	MW-18B-57.5-	1439	110									
ZZZZZZ	ZZZZZZ	1442										
ZZZZZZ	ZZZZZZ	1445										
ZZZZZZ	ZZZZZZ	1448										

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: ACE

SDG No.: Q2878

Instrument ID: P7

Start Date : 08/21/2025

Run Number: LB136916

End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1451										
ZZZZZZ	ZZZZZZ	1506										
ZZZZZZ	ZZZZZZ	1509										
CCV04	CCV04	1512	104									
CCB04	CCB04	1518	102									

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-19B-71.5-081325L

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

Lb No.: lb136901

Lab Sample ID : Q2869-01L

SDG No.: Q2878

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

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

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

MW-18B-57.5-081325L

Lab Name: Alliance **Contract:** JAC005
Lab Code: ACE **Lb No.:** lb136916 **Lab Sample ID :** Q2878-01L **SDG No.:** Q2878
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Aluminum	935		931		0		P
Antimony	1.69	J	1.60	J	5		P
Arsenic	0.99	J	0.95	J	4		P
Barium	285		278		2		P
Beryllium	1.00	U	5.00	U			P
Cadmium	1.00	U	5.00	U			P
Calcium	89300		86400		3		P
Chromium	2.00	U	10.0	U			P
Cobalt	5.72		5.50		4		P
Copper	2.00	U	10.0	U			P
Iron	4590		4590		0		P
Lead	1.00	U	5.00	U			P
Magnesium	9790		9500		3		P
Manganese	534		534		0		P
Nickel	11.0		10.8		1		P
Potassium	20700		20300		2		P
Selenium	5.00	U	25.0	U			P
Silver	1.00	U	5.00	U			P
Sodium	22100		22100		0		P
Thallium	0.080	J	5.00	U	100.0		P
Vanadium	1.78	J	1.75	J	2		P
Zinc	5.00	U	25.0	U			P



METAL PREPARATION & INSTRUMENT DATA



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169323							
PB169323BL	PB169323BL	MB	WATER	08/20/2025	50.0	50.0	
PB169323BS	PB169323BS	LCS	WATER	08/20/2025	50.0	50.0	
Q2878-01	MW-18B-57.5-081325	SAM	WATER	08/20/2025	50.0	50.0	
Q2878-01DUP	MW-18B-57.5-081325DUP	DUP	WATER	08/20/2025	50.0	50.0	
Q2878-01MS	MW-18B-57.5-081325MS	MS	WATER	08/20/2025	50.0	50.0	
Q2878-01MSD	MW-18B-57.5-081325MSD	MSD	WATER	08/20/2025	50.0	50.0	
Q2878-02	MW-18B-57.5-081325	SAM	WATER	08/20/2025	50.0	50.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Contract: JACO05

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169327							
PB169327BL	PB169327BL	MB	WATER	08/20/2025	30.0	30.0	
PB169327BS	PB169327BS	LCS	WATER	08/20/2025	30.0	30.0	
Q2869-01DUP	MW-19B-71.5-081325DUP	DUP	WATER	08/20/2025	30.0	30.0	
Q2869-01MS	MW-19B-71.5-081325MS	MS	WATER	08/20/2025	30.0	30.0	
Q2869-01MSD	MW-19B-71.5-081325MSD	MSD	WATER	08/20/2025	30.0	30.0	
Q2878-01	MW-18B-57.5-081325	SAM	WATER	08/20/2025	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab code: ACE

Sdg no.: Q2878

Instrument id number: _____ **Method:** _____

Run number: LB136901

Start date: 08/21/2025 **End date:** 08/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0841	HG
S0.2	S0.2	1	0844	HG
S2.5	S2.5	1	0846	HG
S5	S5	1	0848	HG
S7.5	S7.5	1	0851	HG
S10	S10	1	0856	HG
ICV27	ICV27	1	0859	HG
ICB27	ICB27	1	0901	HG
CCV84	CCV84	1	0903	HG
CCB84	CCB84	1	0905	HG
CRA	CRA	1	0908	HG
PB169327BL	PB169327BL	1	0914	HG
PB169327BS	PB169327BS	1	0919	HG
Q2869-01DUP	MW-19B-71.5-081325DUP	1	0924	HG
Q2869-01MS	MW-19B-71.5-081325MS	1	0926	HG
Q2869-01MSD	MW-19B-71.5-081325MSD	1	0931	HG
CCV85	CCV85	1	0936	HG
CCB85	CCB85	1	0938	HG
Q2878-01	MW-18B-57.5-081325	1	0943	HG
Q2869-01L	MW-19B-71.5-081325L	5	1002	HG
CCV86	CCV86	1	1012	HG
CCB86	CCB86	1	1014	HG

metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab code: ACE

Sdg no.: Q2878

Instrument id number:

Method:

Run number: LB136916

Start date: 08/21/2025

End date: 08/21/2025

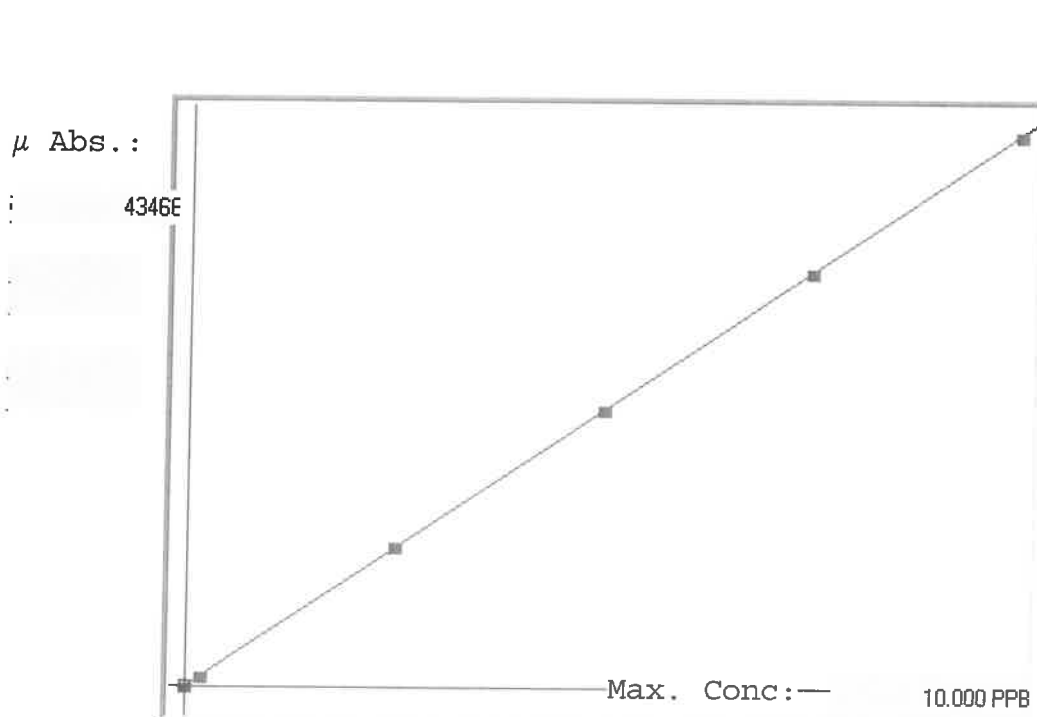
Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1133	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1139	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1143	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1146	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1149	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1152	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1154	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1157	Fe,Al,Ca,K,Mg,Na
ICV01	ICV01	1	1215	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1226	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1229	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1233	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1236	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1239	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1244	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1248	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1340	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1343	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169323BL	PB169323BL	1	1352	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169323BS	PB169323BS	1	1356	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01	MW-18B-57.5-081325	1	1358	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01DUP	MW-18B-57.5-081325DUP	1	1402	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01L	MW-18B-57.5-081325L	5	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01MS	MW-18B-57.5-081325MS	1	1408	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01MSD	MW-18B-57.5-081325MSD	1	1411	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01A	MW-18B-57.5-081325A	1	1414	Ag,Ca,K
CCV03	CCV03	1	1432	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1434	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-02	MW-18B-57.5-081325	1	1439	Fe
CCV04	CCV04	1	1512	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1518	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn



METAL RAW DATA

LB136901

7470A INSTRUMENT ID: CV1



Linear

A= 0.0000e+000

B= 2.2958e-004

C= -8.7707e-003

Rho= 0.9999777

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	%D
0.0	0.000	0.003	0.003	50	0.000	50	0				
0.2	0.200	0.164	-0.036	754	0.0 %	754					-18
2.5	2.500	2.518	0.018	11007	0.0 %	11007	0				1
5.0	5.000	5.031	0.031	21953	0.0 %	21953					1
7.5	7.500	7.513	0.013	32764	0.0 %	32764					0
10.0	10.000	9.970	-0.030	43466	0.0 %	43466					0

LB136901 INSTRUMENT ID : CV1

Method: 7470A

Operator: Admin

Date of Analysis: 21 Aug 2025 08:23:00

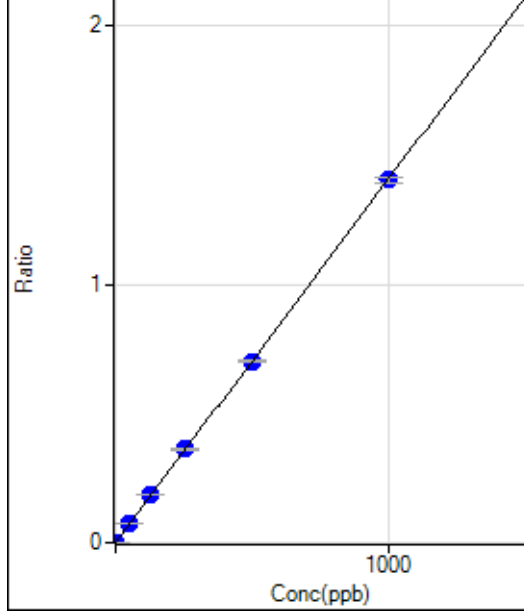
Type	Sample ID	Extended ID	Conc.	µ Abs.	Units	Type	Std Conc	Method	Date
S	0.0 - 1	50	-	50	PPB	Std	0.0000	7470A	21 Aug 2025 08:41:58
S	0.2 - 1	50.2	-	754	PPB	Std	0.2000	7470A	21 Aug 2025 08:44:15
S	2.5 - 1	52.5	-	11007	PPB	Std	2.5000	7470A	21 Aug 2025 08:46:33
S	5.0 - 1	55	-	21953	PPB	Std	5.0000	7470A	21 Aug 2025 08:48:50
S	7.5 - 1	57.5	-	32764	PPB	Std	7.5000	7470A	21 Aug 2025 08:51:06
S	10.0 - 1	510	-	43466	PPB	Std	10.0000	7470A	21 Aug 2025 08:56:07
U	ICV27 - 1	ICV27	3.7231	16255	PPB	SMPL	-7470A		21 Aug 2025 08:59:03
U	ICB27 - 1	ICB27	-0.0533	-194	PPB	SMPL	-7470A		21 Aug 2025 09:01:18
U	CCV84 - 1	CCV84	4.9282	21504	PPB	SMPL	-7470A		21 Aug 2025 09:03:33
U	CCB84 - 1	CCB84	-0.0795	-308	PPB	SMPL	-7470A		21 Aug 2025 09:05:49
U	CRA - 1	CRA	0.2298	1039	PPB	SMPL	-7470A		21 Aug 2025 09:08:05
U	HighStd - 1	HighStd	9.9764	43493	PPB	SMPL	-7470A		21 Aug 2025 09:10:20
U	ChkStd - 1	ChkStd	6.5623	28622	PPB	SMPL	-7470A		21 Aug 2025 09:12:36
U	PB169327BL - 1	PBW	-0.0694	-264	PPB	SMPL	-7470A		21 Aug 2025 09:14:54
U	PB169327BS - 1	LCSW	4.1772	18233	PPB	SMPL	-7470A		21 Aug 2025 09:19:51
U	Q2869-01 - 1	MW-19B-71.5-081325	-0.0526	-191	PPB	SMPL	-7470A		21 Aug 2025 09:22:08
U	Q2869-01DUP - 1	MW-19B-71.5-081325DUP	-0.0285	-86	PPB	SMPL	-7470A		21 Aug 2025 09:24:25
U	Q2869-01MS - 1	MW-19B-71.5-081325MS	4.1783	18238	PPB	SMPL	-7470A		21 Aug 2025 09:26:42
U	Q2869-01MSD - 1	MW-19B-71.5-081325MSD	4.1292	18024	PPB	SMPL	-7470A		21 Aug 2025 09:31:39
U	Q2869-05 - 1	MW-19B-71.5-081325-FD	0.1092	514	PPB	SMPL	-7470A		21 Aug 2025 09:33:55
U	CCV85 - 1	CCV85	4.8366	21105	PPB	SMPL	-7470A		21 Aug 2025 09:36:12
U	CCB85 - 1	CCB85	-0.0448	-157	PPB	SMPL	-7470A		21 Aug 2025 09:38:30
U	Q2869-07 - 1	EB01-081325	0.0344	188	PPB	SMPL	-7470A		21 Aug 2025 09:40:47
U	Q2878-01 - 1	MW-18B-57.5-081325	0.0711	348	PPB	SMPL	-7470A		21 Aug 2025 09:43:02
U	Q2890-01 - 1	60296	0.2906	1304	PPB	SMPL	-7470A		21 Aug 2025 09:45:18
U	Q2890-02 - 1	60295	-0.0937	-370	PPB	SMPL	-7470A		21 Aug 2025 09:47:36
U	Q2890-03 - 1	60272	0.0326	180	PPB	SMPL	-7470A		21 Aug 2025 09:49:54
U	Q2906-01 - 1	3409	-0.0014	32	PPB	SMPL	-7470A		21 Aug 2025 09:52:10
U	Q2909-03 - 1	4066	0.2103	954	PPB	SMPL	-7470A		21 Aug 2025 09:54:27
U	Q2909-04 - 1	4067	0.1786	816	PPB	SMPL	-7470A		21 Aug 2025 09:56:43
U	Q2869-01LX5 - 1		-0.0976	-387	PPB	SMPL	-7470A		21 Aug 2025 10:02:18
U	Q2869-01A - 1		3.3027	14424	PPB	SMPL	-7470A		21 Aug 2025 10:07:12
U	CCV86 - 1	CCV86	4.9952	21796	PPB	SMPL	-7470A		21 Aug 2025 10:12:04
U	CCB86 - 1	CCB86	-0.0806	-313	PPB	SMPL	-7470A		21 Aug 2025 10:14:19

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7082125-MS.b\
Analysis File: P7082125-MS.batch.bin
DA Date-Time: 2025-08-21 15:55:16
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-08-21 11:33:15
2	006CALS.d	S02	2025-08-21 11:39:47
3	007CALS.d	S03	2025-08-21 11:43:03
4	008CALS.d	S04	2025-08-21 11:46:12
5	009CALS.d	S05	2025-08-21 11:49:12
6	010CALS.d	S06	2025-08-21 11:52:04
7	011CALS.d	S07	2025-08-21 11:54:49
8	012CALS.d	S08	2025-08-21 11:57:37

Calibration for 008CAL.S.d

9 Be [No Gas] ISTD:6 Li [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	4.44	0.0000	P	113.
2	☐	1.000	1.141	725.58	0.0016	P	10.7
3	☐	50.000	51.541	33098.79	0.0726	P	1.1
4	☐	125.000	132.247	84099.52	0.1862	P	0.3
5	☐	250.000	256.835	165806.58	0.3617	P	1.1
6	☐	500.000	499.507	325799.32	0.7034	P	1.7
7	☐	1000.000	997.555	642501.85	1.4047	P	1.9
8	☐			112.22	0.0002	P	1.2

$$y = 0.0014 * x + 1.0435E-005$$

$$R = 1.0000$$

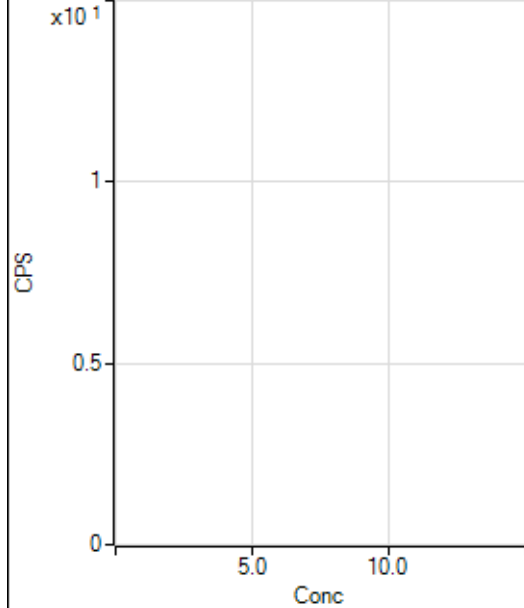
$$DL = 0.02528$$

$$BEC = 0.00741$$

Weight: <None>

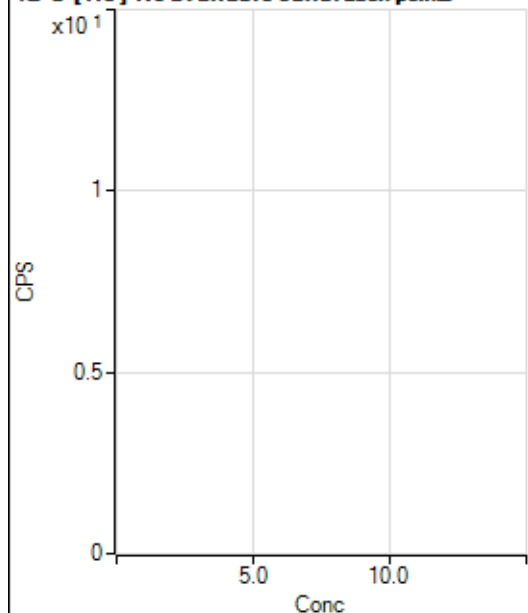
Min Conc: <None>

12 C [No Gas] No available calibration points



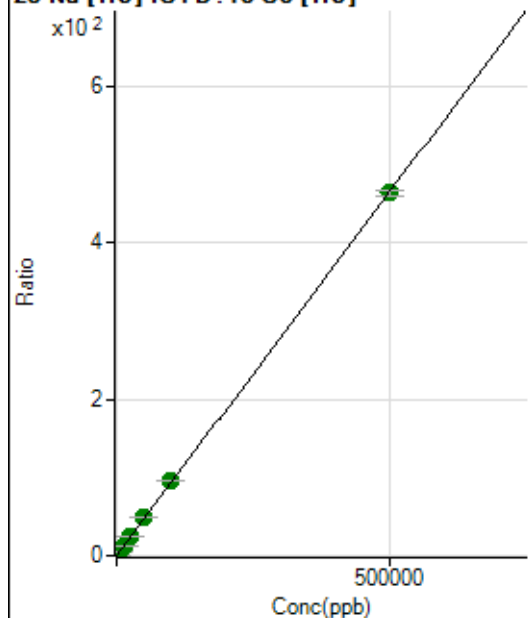
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

12 C [He] No available calibration points



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

23 Na [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	34568.79	0.0767	P	0.9
2	☐	500.000	545.458	271774.92	0.5839	P	1.5
3	☐	5000.000	5149.114	2268670.87	4.8646	A	2.0
4	☐	12500.000	13414.340	5704817.14	12.5500	A	2.0
5	☐	25000.000	26934.125	11488002.19	25.1214	A	0.8
6	☐	50000.000	51840.816	22147417.17	48.2810	A	0.7
7	☐	100000.00	103830.86	45607362.66	96.6241	A	0.8
8	☐	500000.00	498928.64	224460452.2	464.0068	A	1.3

$$y = 9.2985E-004 * x + 0.0767$$

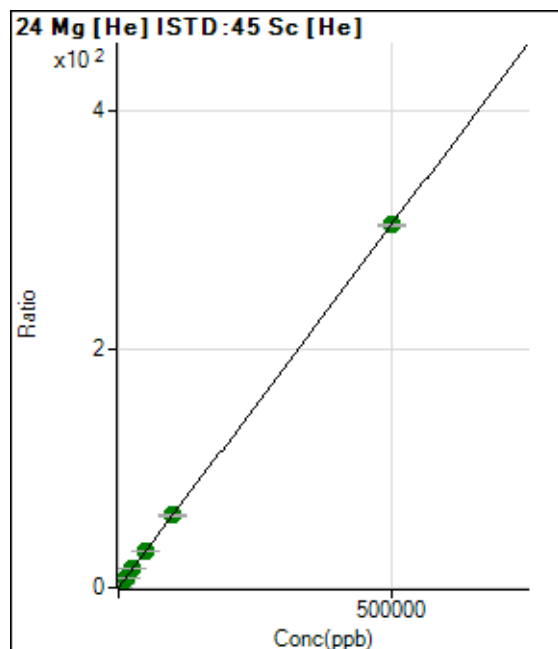
$$R = 1.0000$$

$$DL = 2.17$$

$$BEC = 82.44$$

Weight: <None>

Min Conc: <None>



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	423.35	0.0009	P	1.5
2	☐	500.000	539.255	153049.24	0.3288	P	2.0
3	☐	5000.000	5115.235	1450984.98	3.1109	A	0.7
4	☐	12500.000	13210.093	3651465.08	8.0325	A	1.1
5	☐	25000.000	26025.550	7236459.75	15.8241	A	1.2
6	☐	50000.000	51292.619	14305902.29	31.1861	A	0.7
7	☐	100000.00	99719.863	28618631.52	60.6292	A	1.1
8	☐	500000.00	499856.54	146996750.0	303.9068	A	0.8

$$y = 6.0799E-004 * x + 9.3877E-004$$

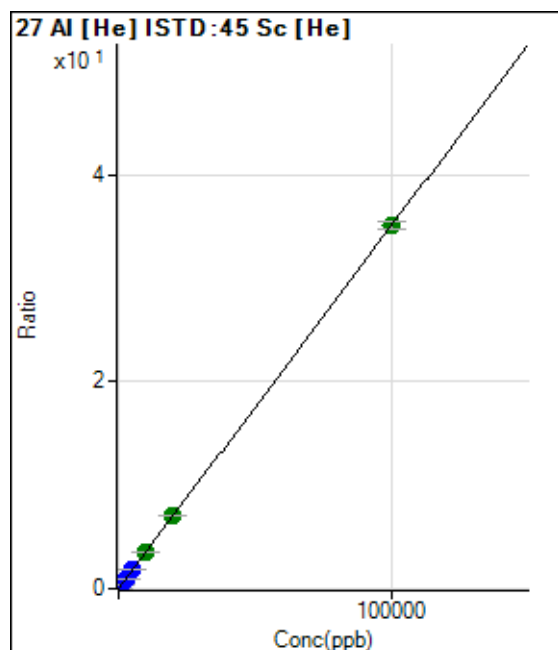
$$R = 1.0000$$

$$DL = 0.06832$$

$$BEC = 1.544$$

Weight: <None>

Min Conc: <None>



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1744.57	0.0039	P	4.2
2	☐	20.000	20.815	5195.37	0.0112	P	3.7
3	☐	1000.000	1017.842	168146.61	0.3605	P	1.0
4	☐	2500.000	2625.153	419917.44	0.9237	P	0.5
5	☐	5000.000	5147.941	826646.40	1.8077	P	0.1
6	☐	10000.000	10237.690	1647292.27	3.5911	A	1.4
7	☐	20000.000	20155.608	3335234.25	7.0663	A	1.8
8	☐	100000.00	99934.405	16937682.25	35.0205	A	2.0

$$y = 3.5040E-004 * x + 0.0039$$

$$R = 1.0000$$

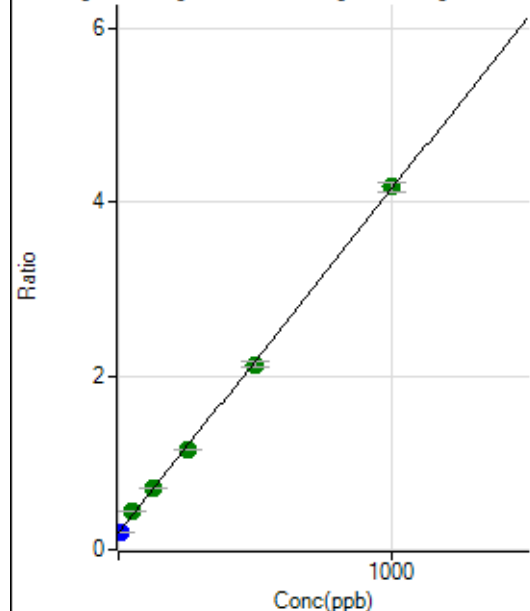
$$DL = 1.376$$

$$BEC = 11.04$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	816729.37	0.1937	P	1.0
2	☐	10.000	-0.256	838008.62	0.1927	P	2.0
3	☐	50.000	63.048	1911564.36	0.4435	A	0.6
4	☐	125.000	130.192	3028745.93	0.7095	A	1.2
5	☐	250.000	242.546	4966183.22	1.1546	A	0.7
6	☐	500.000	489.307	9218255.63	2.1321	A	2.7
7	☐	1000.000	1006.011	18093390.28	4.1791	A	2.4
8	☐			861942.08	0.1989	P	0.8

$$y = 0.0040 * x + 0.1937$$

$$R = 0.9997$$

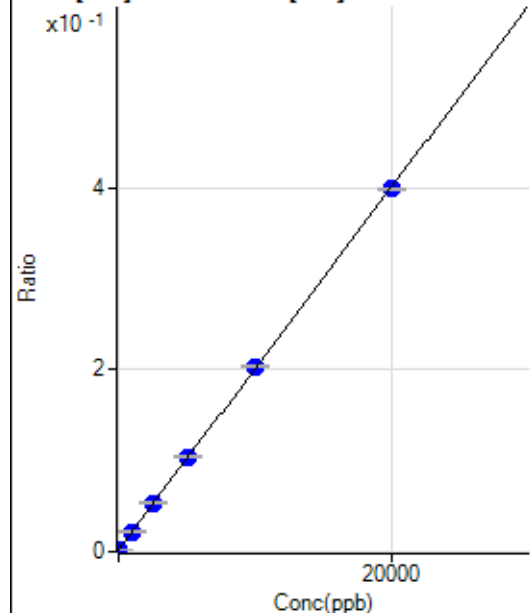
$$DL = 1.523$$

$$BEC = 48.9$$

Weight: <None>

Min Conc: <None>

31 P [He] ISTD : 45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-19.961	808.92	0.0018	P	3.5
2	☐	0.000	19.961	1205.62	0.0026	P	3.2
3	☐	1000.000	1002.715	10352.49	0.0222	P	2.9
4	☐	2500.000	2585.169	24439.67	0.0538	P	1.8
5	☐	5000.000	5134.994	47846.07	0.1046	P	0.3
6	☐	10000.000	10105.851	93479.14	0.2038	P	1.3
7	☐	20000.000	19902.544	188438.61	0.3992	P	0.4
8	☐			845.59	0.0017	P	5.3

$$y = 1.9949E-005 * x + 0.0022$$

$$R = 0.9999$$

$$DL = 10.92$$

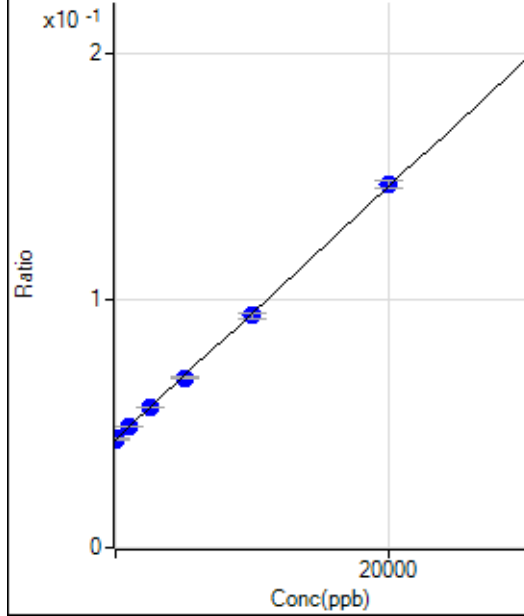
$$BEC = 109.9$$

Weight: <None>

Min Conc: <None>

Calibration for 008CAL.S.d

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-39.097	183931.43	0.0436	P	1.8
2	☐	0.000	39.097	191456.31	0.0440	P	2.5
3	☐	1000.000	1040.813	211850.87	0.0491	P	0.6
4	☐	2500.000	2595.565	243750.92	0.0571	P	0.1
5	☐	5000.000	4857.252	295291.96	0.0687	P	0.5
6	☐	10000.000	9795.609	405956.49	0.0939	P	2.3
7	☐	20000.000	20123.896	635045.57	0.1467	P	2.2
8	☐			177627.86	0.0410	P	1.3

$$y = 5.1105E-006 * x + 0.0438$$

R = 0.9999

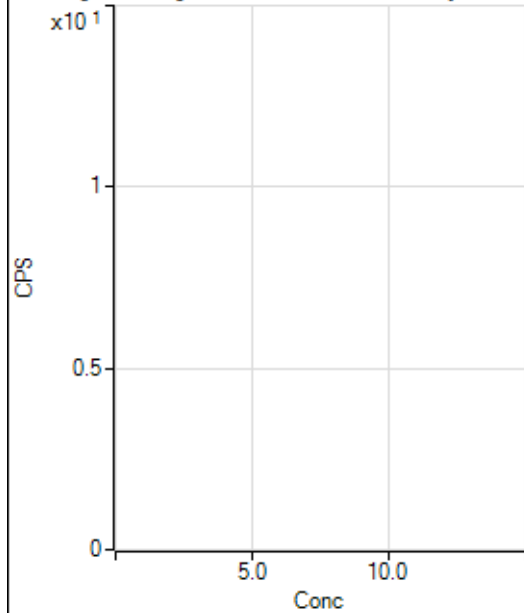
DL = 545

BEC = 8576

Weight: <None>

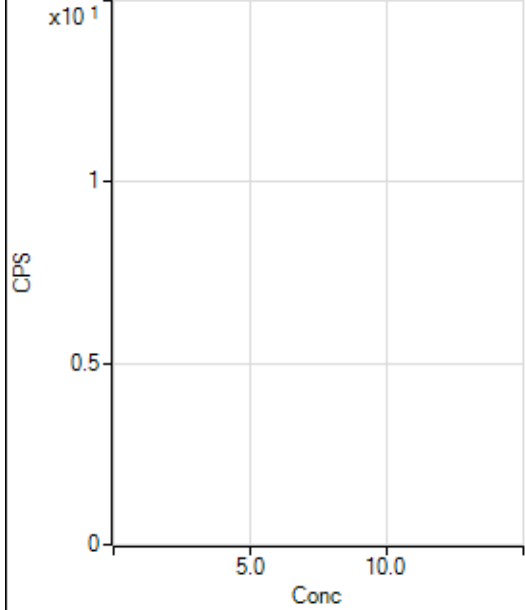
Min Conc: <None>

35 Cl [No Gas] No available calibration points



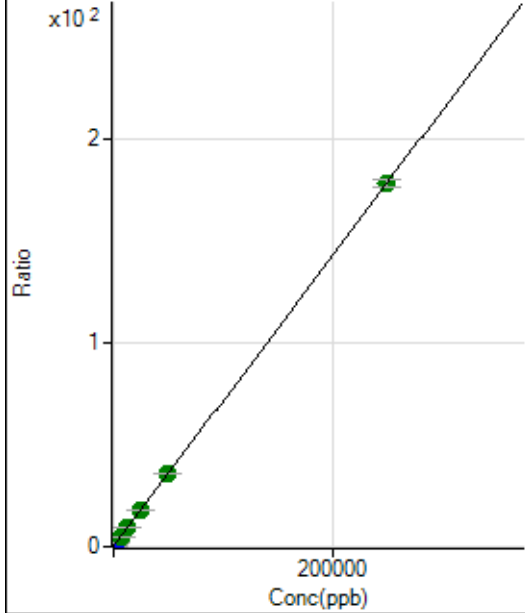
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

35 Cl [He] No available calibration points



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

39 K [He] ISTD: 45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	81862.07	0.1815	P	1.6
2	☐	500.000	568.257	272947.83	0.5864	P	1.2
3	☐	2500.000	2639.549	961774.27	2.0621	P	0.9
4	☐	6250.000	6526.408	2196087.83	4.8312	A	2.2
5	☐	12500.000	12932.823	4296540.46	9.3955	A	0.6
6	☐	25000.000	25106.698	8288381.61	18.0687	A	1.8
7	☐	50000.000	50068.910	16922776.83	35.8529	A	1.2
8	☐	250000.00	249945.46	86218803.16	178.2539	A	2.1

$$y = 7.1244E-004 * x + 0.1815$$

$$R = 1.0000$$

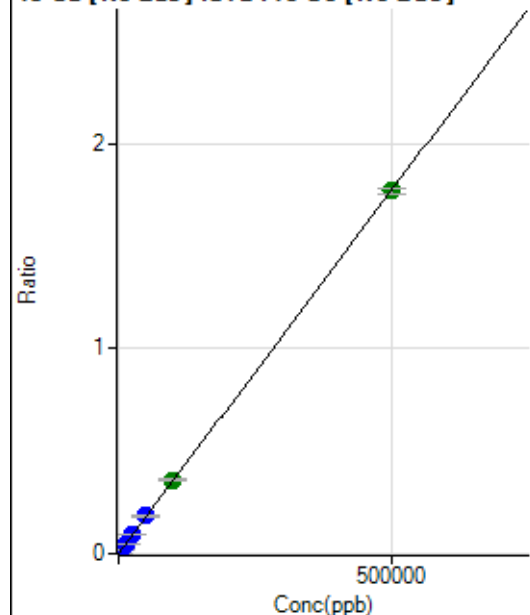
$$DL = 12.35$$

$$BEC = 254.8$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	433.34	0.0001	P	18.7
2	☐	500.000	577.484	9339.63	0.0021	P	1.4
3	☐	5000.000	5338.848	81909.11	0.0190	P	1.0
4	☐	12500.000	13730.531	207942.17	0.0487	P	1.4
5	☐	25000.000	26407.464	402515.56	0.0936	P	1.5
6	☐	50000.000	52078.274	797583.31	0.1845	P	2.1
7	☐	100000.00	101770.32	1559894.39	0.3604	A	4.2
8	☐	500000.00	499333.50	7661476.28	1.7678	A	1.5

$$y = 3.5400\text{E-}006 * x + 1.0299\text{E-}004$$

$$R = 1.0000$$

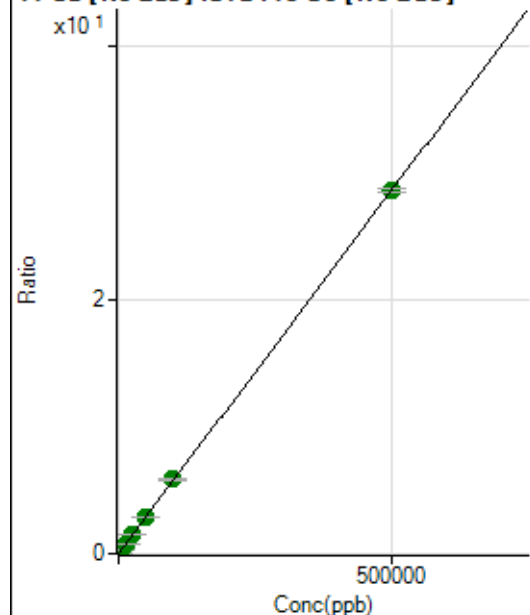
$$DL = 16.32$$

$$BEC = 29.09$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32045.48	0.0076	P	3.1
2	☐	500.000	560.766	172747.91	0.0397	P	1.4
3	☐	5000.000	5067.613	1283901.13	0.2979	A	0.5
4	☐	12500.000	13113.741	3238903.18	0.7587	A	1.4
5	☐	25000.000	25270.935	6258733.59	1.4550	A	0.5
6	☐	50000.000	49644.153	12329575.37	2.8511	A	1.4
7	☐	100000.00	102208.12	25380157.95	5.8618	A	2.3
8	☐	500000.00	499564.33	124049281.4	28.6211	A	1.2

$$y = 5.7277\text{E-}005 * x + 0.0076$$

$$R = 1.0000$$

$$DL = 12.23$$

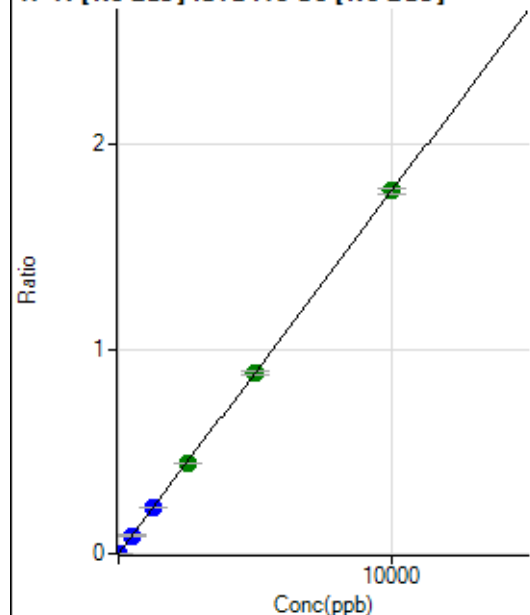
$$BEC = 132.7$$

Weight: <None>

Min Conc: <None>

Calibration for 008CALS.d

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	101.11	0.0000	P	17.7
2	☐	5.000	5.604	4425.13	0.0010	P	0.2
3	☐	500.000	503.390	384673.00	0.0892	P	0.4
4	☐	1250.000	1286.692	973671.33	0.2281	P	0.7
5	☐	2500.000	2499.708	1905689.83	0.4431	A	1.0
6	☐	5000.000	4969.564	3808358.35	0.8808	A	2.4
7	☐	10000.000	10010.535	7682503.36	1.7743	A	1.9
8	☐			686.69	0.0002	P	5.3

$$y = 1.7724E-004 * x + 2.3975E-005$$

$$R = 1.0000$$

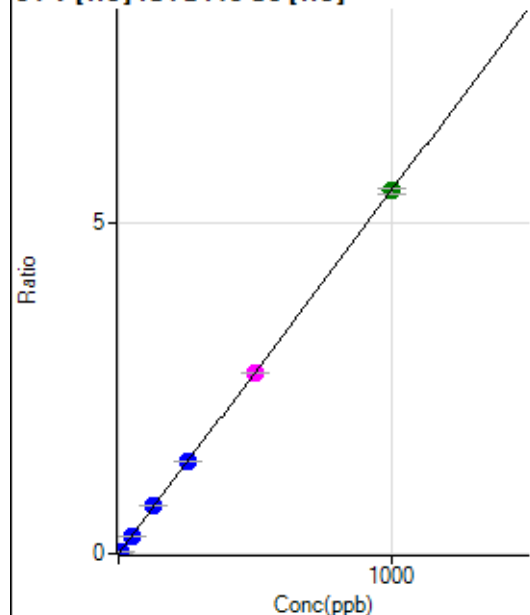
$$DL = 0.07198$$

$$BEC = 0.1353$$

Weight: <None>

Min Conc: <None>

51 V [He] ISTD:45 Sc [He]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.00	0.0001	P	62.2
2	☐	5.000	5.504	14064.46	0.0302	P	1.0
3	☐	50.000	50.065	127934.78	0.2743	P	0.9
4	☐	125.000	130.468	324892.25	0.7147	P	0.9
5	☐	250.000	255.005	638772.92	1.3968	P	0.7
6	☐	500.000	497.863	1250981.10	2.7271	M	0.6
7	☐	1000.000	999.128	2583235.50	5.4727	A	1.8
8	☐			1155.61	0.0024	P	1.0

$$y = 0.0055 * x + 6.6578E-005$$

$$R = 1.0000$$

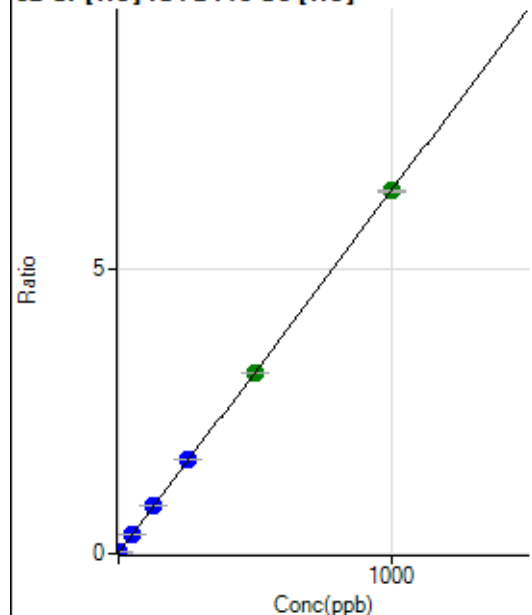
$$DL = 0.02268$$

$$BEC = 0.01215$$

Weight: <None>

Min Conc: <None>

52 Cr [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2744.72	0.0061	P	1.5
2	☐	2.000	2.119	9130.61	0.0196	P	3.0
3	☐	50.000	50.443	153040.94	0.3281	P	1.1
4	☐	125.000	130.729	382163.87	0.8407	P	1.4
5	☐	250.000	257.044	753211.65	1.6471	P	0.6
6	☐	500.000	497.047	1458427.88	3.1793	A	1.0
7	☐	1000.000	998.977	3013194.16	6.3837	A	0.6
8	☐			15620.43	0.0323	P	1.8

$$y = 0.0064 * x + 0.0061$$

$$R = 1.0000$$

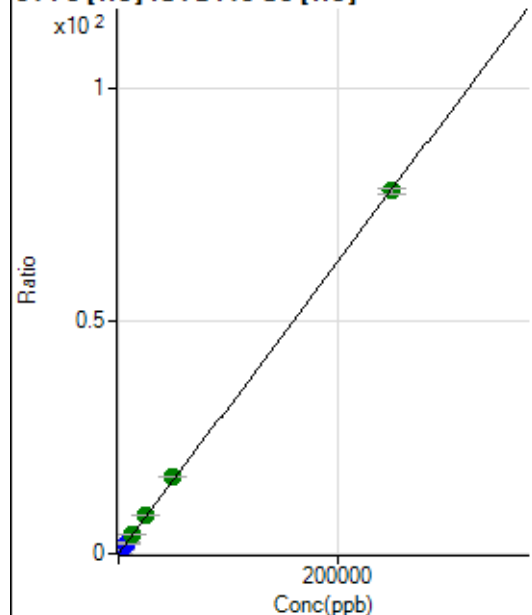
$$DL = 0.04398$$

$$BEC = 0.9534$$

Weight: <None>

Min Conc: <None>

54 Fe [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3190.94	0.0071	P	15.0
2	☐	50.000	59.649	11995.99	0.0258	P	0.9
3	☐	2500.000	2798.448	412271.30	0.8839	P	0.7
4	☐	6250.000	7212.237	1030506.32	2.2669	P	0.9
5	☐	12500.000	13509.092	1938878.55	4.2399	A	1.0
6	☐	25000.000	26627.543	3830318.90	8.3503	A	0.9
7	☐	50000.000	52573.629	7778624.82	16.4799	A	1.0
8	☐	250000.00	249245.02	37775694.44	78.1027	A	1.5

$$y = 3.1333E-004 * x + 0.0071$$

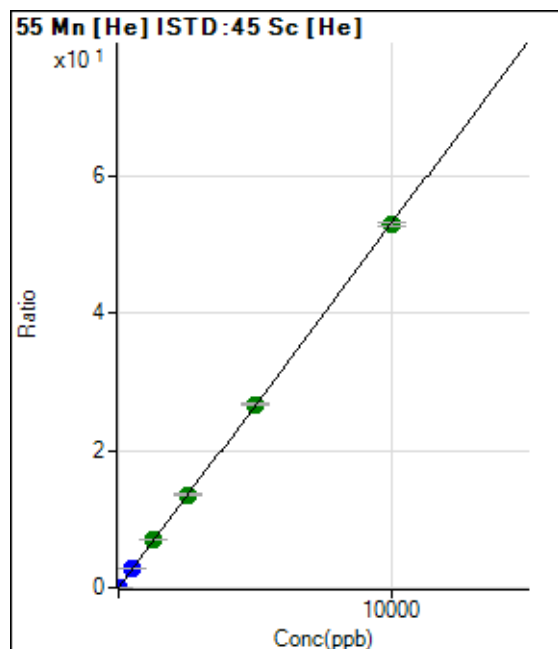
$$R = 0.9999$$

$$DL = 10.15$$

$$BEC = 22.6$$

Weight: <None>

Min Conc: <None>



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	818.92	0.0018	P	10.5
2	☐	1.000	1.011	3343.74	0.0072	P	1.9
3	☐	500.000	506.274	1253537.89	2.6876	P	1.1
4	☐	1250.000	1302.239	3141413.08	6.9102	A	1.3
5	☐	2500.000	2559.457	6210042.97	13.5798	A	0.6
6	☐	5000.000	5038.427	12261513.71	26.7308	A	1.1
7	☐	10000.000	9959.079	24939209.35	52.8350	A	0.9
8	☐			11517.85	0.0238	P	1.4

$$y = 0.0053 * x + 0.0018$$

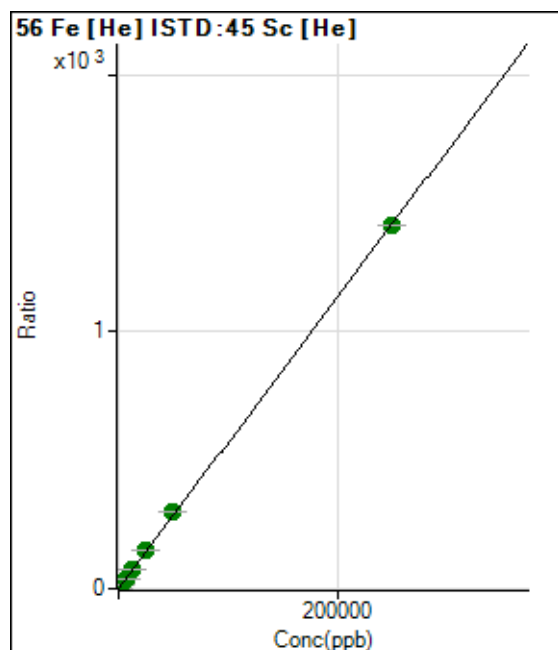
$$R = 1.0000$$

$$DL = 0.1077$$

$$BEC = 0.3425$$

Weight: <None>

Min Conc: <None>



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	24407.71	0.0541	P	1.4
2	☐	50.000	58.769	180154.21	0.3870	P	1.2
3	☐	2500.000	2629.377	6972466.84	14.9487	A	0.4
4	☐	6250.000	6885.408	17756270.85	39.0577	A	0.8
5	☐	12500.000	13595.716	35242964.19	77.0694	A	0.8
6	☐	25000.000	26634.478	69235115.64	150.9297	A	0.6
7	☐	50000.000	52620.378	140723927.9	298.1313	A	0.4
8	☐	250000.00	249240.51	682966060.9	1411.920	A	0.2

$$y = 0.0057 * x + 0.0541$$

$$R = 0.9999$$

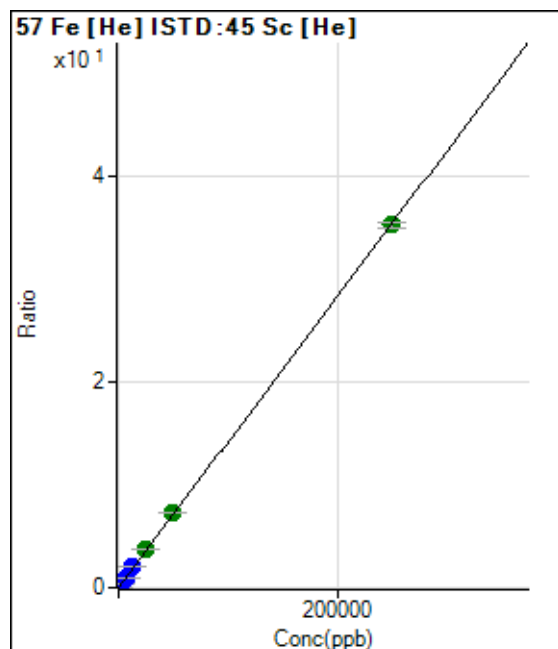
$$DL = 0.3876$$

$$BEC = 9.555$$

Weight: <None>

Min Conc: <None>

Calibration for 008CAL5.d



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1881.25	0.0042	P	5.0
2	☐	50.000	62.872	6070.18	0.0130	P	3.8
3	☐	2500.000	2756.109	183313.42	0.3930	P	1.1
4	☐	6250.000	7117.311	458381.73	1.0084	P	1.6
5	☐	12500.000	13950.968	902025.19	1.9725	P	0.3
6	☐	25000.000	26485.438	1716046.35	3.7410	A	0.5
7	☐	50000.000	51309.995	3419185.47	7.2435	A	1.1
8	☐	250000.00	249492.66	17027921.41	35.2051	A	1.3

$$y = 1.4109\text{E-}004 * x + 0.0042$$

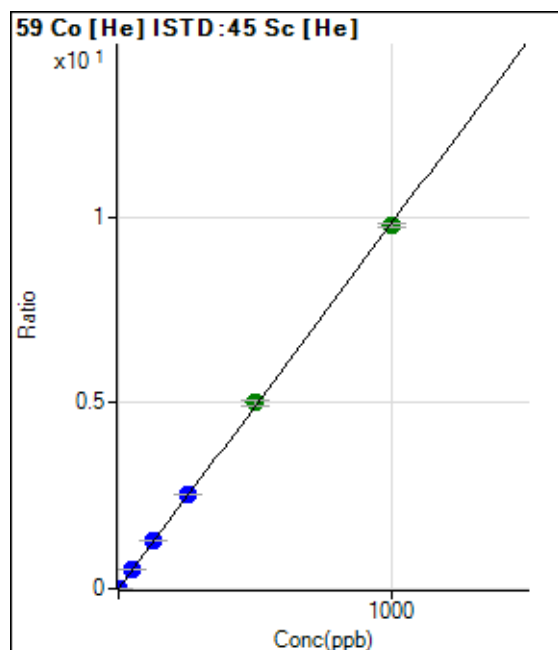
R = 1.0000

DL = 4.475

BEC = 29.57

Weight: <None>

Min Conc: <None>



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	101.11	0.0002	P	13.7
2	☐	1.000	1.180	5507.72	0.0118	P	0.7
3	☐	50.000	50.810	233219.87	0.5000	P	0.7
4	☐	125.000	130.533	583785.05	1.2842	P	1.5
5	☐	250.000	256.275	1152878.15	2.5211	P	0.5
6	☐	500.000	509.321	2298179.11	5.0102	A	2.8
7	☐	1000.000	993.038	4610795.56	9.7683	A	1.2
8	☐			8470.24	0.0175	P	0.6

$$y = 0.0098 * x + 2.2420\text{E-}004$$

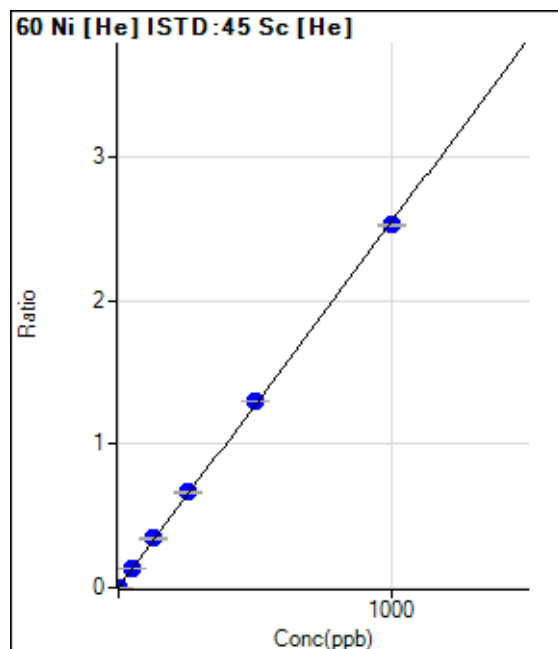
R = 0.9999

DL = 0.009345

BEC = 0.02279

Weight: <None>

Min Conc: <None>



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	573.35	0.0013	P	6.5
2	☐	1.000	1.186	1995.71	0.0043	P	3.6
3	☐	50.000	51.548	61751.28	0.1324	P	0.5
4	☐	125.000	133.731	155224.63	0.3414	P	0.5
5	☐	250.000	260.053	303079.69	0.6628	P	0.3
6	☐	500.000	509.116	594631.42	1.2963	P	0.5
7	☐	1000.000	991.760	1191380.30	2.5240	P	0.4
8	☐			4785.25	0.0099	P	2.2

$$y = 0.0025 * x + 0.0013$$

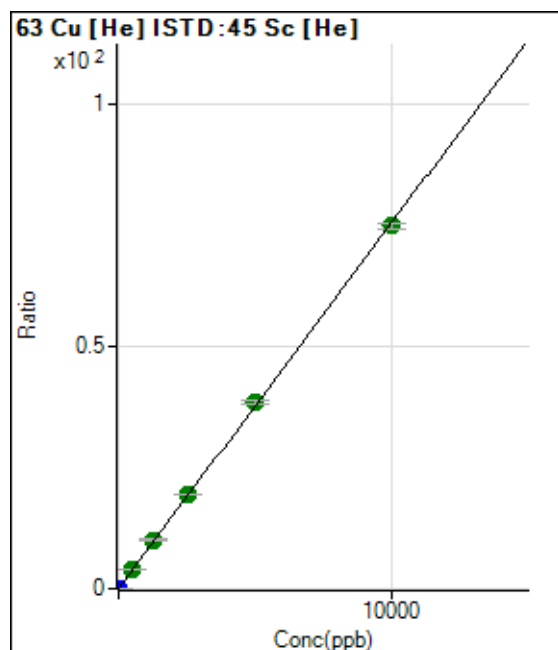
$$R = 0.9999$$

$$DL = 0.09706$$

$$BEC = 0.4999$$

Weight: <None>

Min Conc: <None>



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1380.08	0.0031	P	2.1
2	☐	2.000	2.109	8832.69	0.0190	P	1.6
3	☐	500.000	514.441	1811806.62	3.8847	A	1.2
4	☐	1250.000	1338.872	4593663.34	10.1052	A	2.7
5	☐	2500.000	2576.275	8890502.85	19.4417	A	1.5
6	☐	5000.000	5100.219	17653287.79	38.4856	A	1.6
7	☐	10000.000	9918.991	35328641.14	74.8445	A	1.6
8	☐			4399.58	0.0091	P	3.5

$$y = 0.0075 * x + 0.0031$$

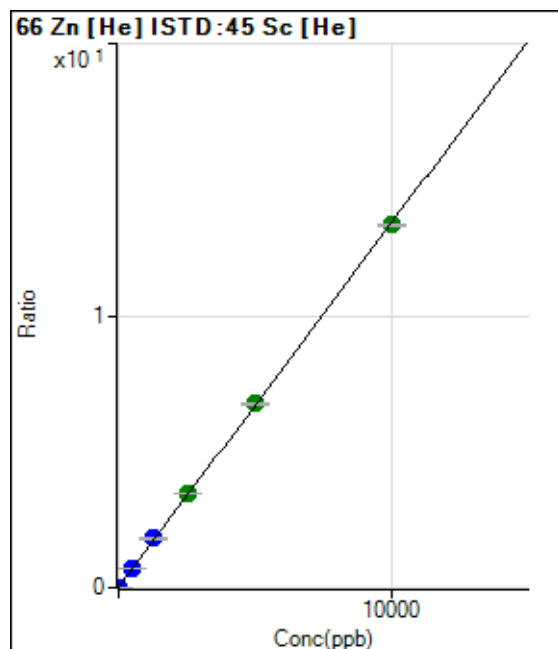
$$R = 0.9999$$

$$DL = 0.02542$$

$$BEC = 0.4056$$

Weight: <None>

Min Conc: <None>



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4676.33	0.0104	P	2.8
2	☐	5.000	5.380	8182.33	0.0176	P	1.2
3	☐	500.000	519.177	329249.20	0.7059	P	1.3
4	☐	1250.000	1340.599	821182.39	1.8064	P	1.7
5	☐	2500.000	2563.916	1575530.46	3.4453	A	0.5
6	☐	5000.000	5048.867	3107506.83	6.7744	A	1.2
7	☐	10000.000	9947.304	6295528.38	13.3369	A	0.7
8	☐			8070.03	0.0167	P	2.8

$$y = 0.0013 * x + 0.0104$$

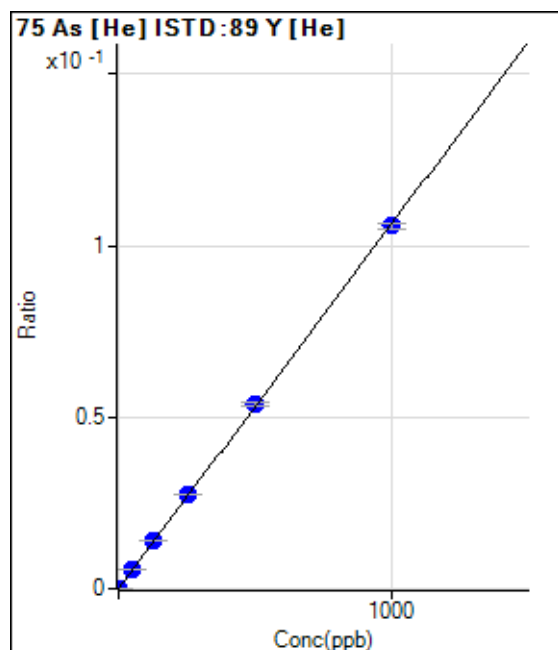
$$R = 0.9999$$

$$DL = 0.6396$$

$$BEC = 7.741$$

Weight: <None>

Min Conc: <None>



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15.56	0.0000	P	49.9
2	☐	1.000	1.134	448.90	0.0001	P	7.9
3	☐	50.000	51.287	19346.09	0.0055	P	1.4
4	☐	125.000	132.201	48728.98	0.0141	P	1.4
5	☐	250.000	257.408	95487.57	0.0274	P	0.8
6	☐	500.000	504.447	189637.11	0.0536	P	2.3
7	☐	1000.000	994.960	384437.75	0.1058	P	1.5
8	☐			422.23	0.0001	P	11.0

$$y = 1.0629E-004 * x + 4.4668E-006$$

$$R = 0.9999$$

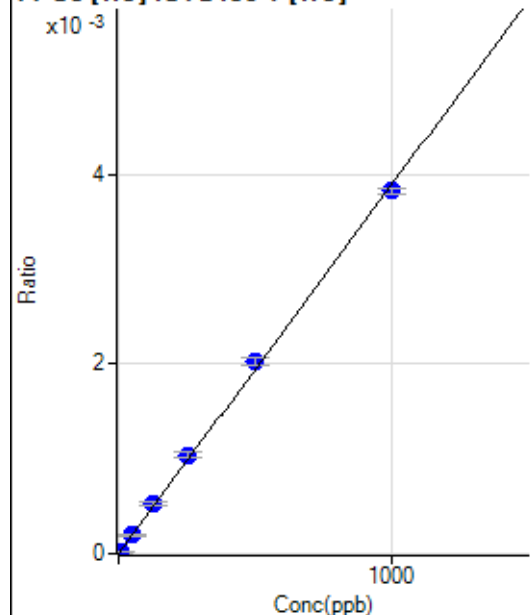
$$DL = 0.06296$$

$$BEC = 0.04202$$

Weight: <None>

Min Conc: <None>

77 Se [He] ISTD: 89 Y [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2.22	0.0000	P	86.6
2	☐	5.000	6.127	87.78	0.0000	P	17.8
3	☐	50.000	50.175	693.35	0.0002	P	3.8
4	☐	125.000	135.699	1830.13	0.0005	P	5.5
5	☐	250.000	267.885	3631.60	0.0010	P	4.7
6	☐	500.000	520.210	7147.36	0.0020	P	4.5
7	☐	1000.000	984.072	13894.43	0.0038	P	1.9
8	☐			20.00	0.0000	P	16.3

$$y = 3.8837E-006 * x + 6.3432E-007$$

$$R = 0.9995$$

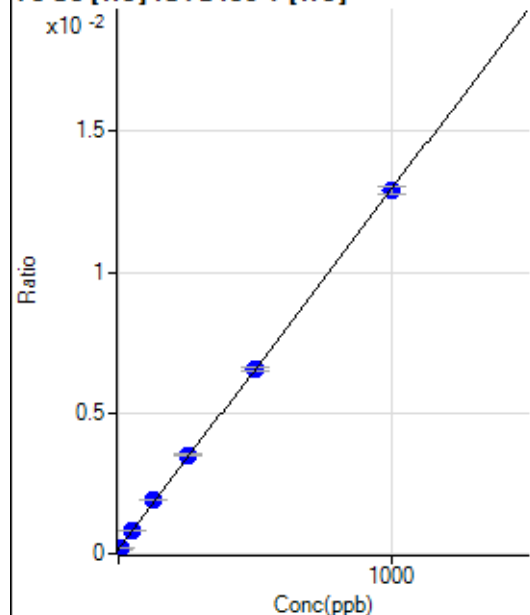
$$DL = 0.4244$$

$$BEC = 0.1633$$

Weight: <None>

Min Conc: <None>

78 Se [He] ISTD: 89 Y [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	570.02	0.0002	P	14.9
2	☐	5.000	5.302	828.92	0.0002	P	1.4
3	☐	50.000	51.563	2914.76	0.0008	P	1.9
4	☐	125.000	135.367	6561.52	0.0019	P	1.6
5	☐	250.000	262.110	12254.08	0.0035	P	1.7
6	☐	500.000	499.983	23168.28	0.0066	P	1.5
7	☐	1000.000	995.606	46829.79	0.0129	P	2.0
8	☐			613.35	0.0002	P	6.0

$$y = 1.2776E-005 * x + 1.6333E-004$$

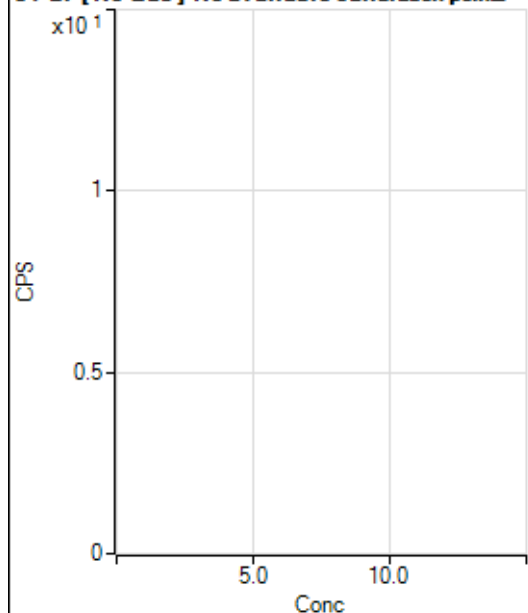
$$R = 0.9999$$

$$DL = 5.707$$

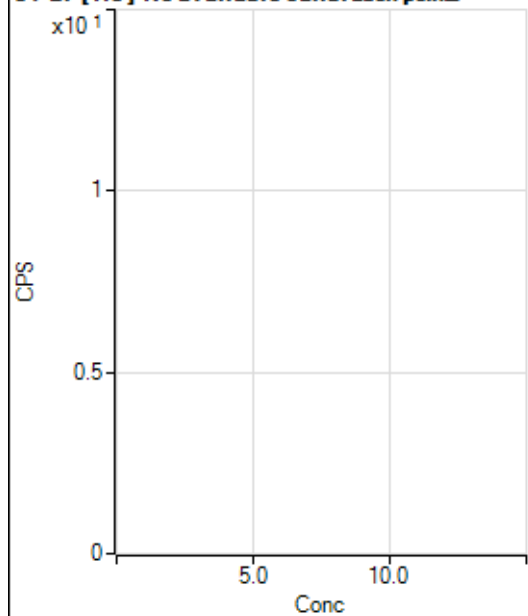
$$BEC = 12.78$$

Weight: <None>

Min Conc: <None>

81 Br [No Gas] No available calibration points

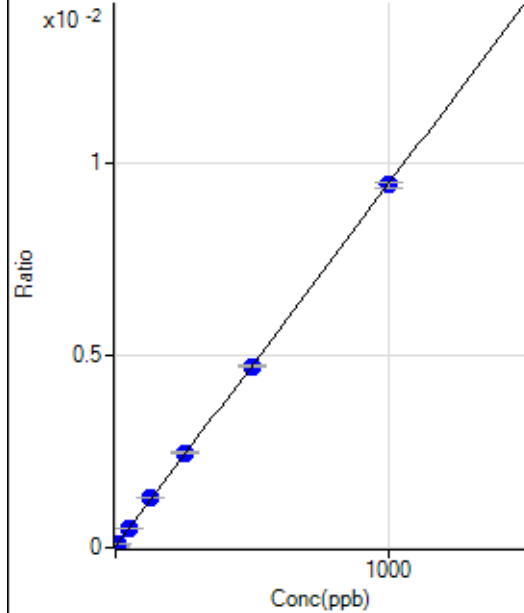
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			10342.63		P	2.0
2	☐			10702.91		P	1.5
3	☐			10281.45		P	1.9
4	☐			10273.69		P	2.7
5	☐			9811.13		P	1.5
6	☐			9734.43		P	2.7
7	☐			9733.31		P	1.2
8	☐			9934.57		P	2.8

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			155.56		P	24.1
2	☐			187.78		P	12.6
3	☐			158.89		P	33.3
4	☐			142.23		P	5.4
5	☐			156.67		P	9.3
6	☐			130.00		P	6.8
7	☐			110.00		P	3.0
8	☐			206.67		P	15.6

Calibration for 008CAL.S.d

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	302.52	0.0000	P	8.4
2	☐	5.000	5.873	963.11	0.0001	P	3.0
3	☐	50.000	50.970	6068.05	0.0005	P	0.3
4	☐	125.000	134.629	15280.65	0.0013	P	0.9
5	☐	250.000	259.216	29478.38	0.0025	P	1.4
6	☐	500.000	497.854	57436.74	0.0047	P	1.7
7	☐	1000.000	997.513	114135.82	0.0094	P	1.8
8	☐			452.41	0.0000	P	3.5

$y = 9.4210E-006 * x + 2.5765E-005$

R = 0.9999

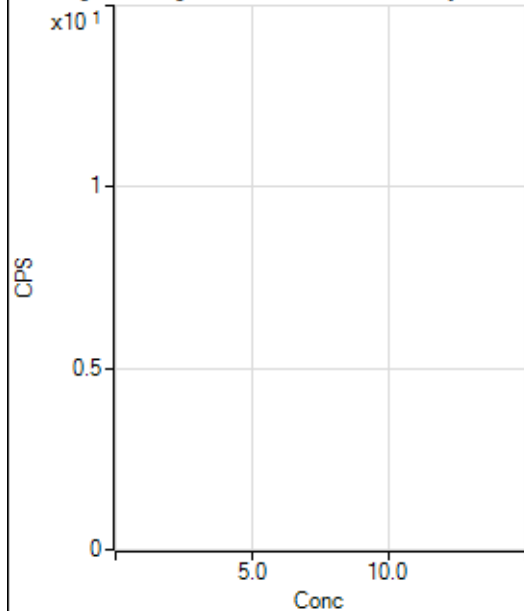
DL = 0.6867

BEC = 2.735

Weight: <None>

Min Conc: <None>

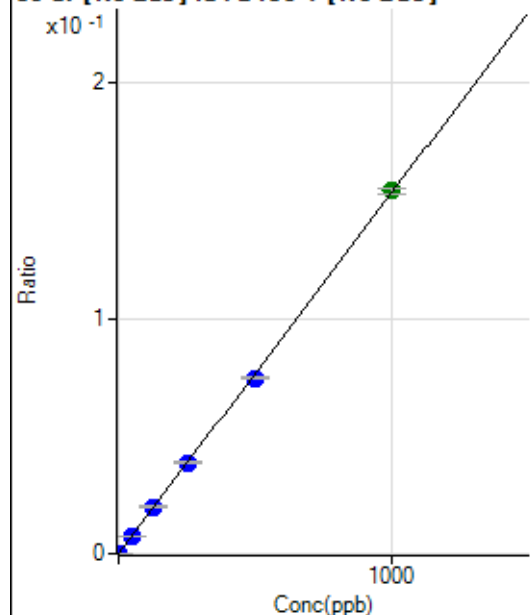
83 Kr [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			530.01		P	6.6
2	☐			504.46		P	6.6
3	☐			506.68		P	10.9
4	☐			567.80		P	0.7
5	☐			550.02		P	7.4
6	☐			493.35		P	1.8
7	☐			502.24		P	5.9
8	☐			490.01		P	5.6

Calibration for 008CAL5.d

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	855.59	0.0001	P	3.0
2	☐	1.000	1.084	2838.08	0.0002	P	4.1
3	☐	50.000	49.934	92681.51	0.0077	P	0.4
4	☐	125.000	130.116	236382.49	0.0200	P	2.0
5	☐	250.000	252.407	463069.12	0.0388	P	1.5
6	☐	500.000	486.181	908627.41	0.0746	P	1.0
7	☐	1000.000	1005.671	1868241.73	0.1542	A	1.4
8	☐			24325.82	0.0020	P	2.0

$$y = 1.5330E-004 * x + 7.2867E-005$$

$$R = 0.9998$$

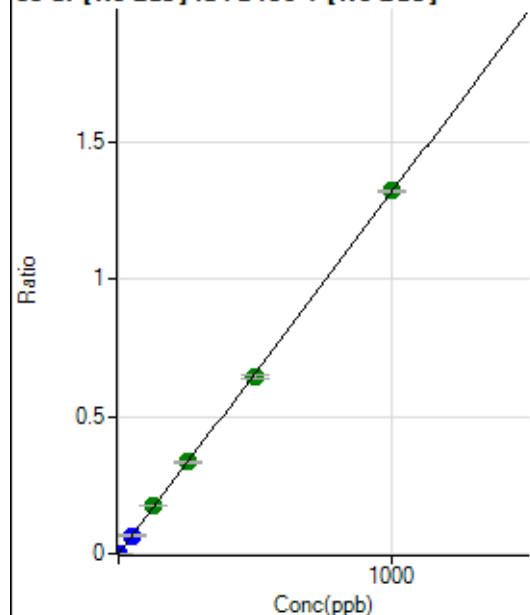
$$DL = 0.04327$$

$$BEC = 0.4753$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	286.67	0.0000	P	22.6
2	☐	1.000	1.074	17084.49	0.0014	P	1.9
3	☐	50.000	50.391	795983.39	0.0664	P	0.8
4	☐	125.000	131.349	2042308.27	0.1730	A	1.2
5	☐	250.000	253.231	3982860.26	0.3334	A	0.8
6	☐	500.000	488.991	7841121.41	0.6438	A	1.4
7	☐	1000.000	1003.883	16009981.29	1.3217	A	0.7
8	☐			204333.88	0.0168	P	0.5

$$y = 0.0013 * x + 2.4369E-005$$

$$R = 0.9999$$

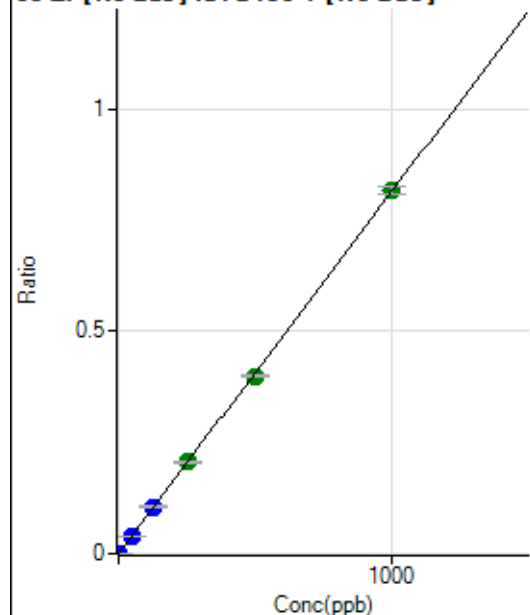
$$DL = 0.01253$$

$$BEC = 0.01851$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	538.90	0.0000	P	4.4
2	☐	1.000	1.054	10721.77	0.0009	P	2.5
3	☐	50.000	49.593	484365.49	0.0404	P	0.5
4	☐	125.000	130.112	1250177.84	0.1059	P	1.6
5	☐	250.000	253.565	2464391.39	0.2063	A	2.1
6	☐	500.000	490.724	4861991.73	0.3992	A	1.5
7	☐	1000.000	1003.128	9883477.42	0.8160	A	2.0
8	☐			9061.76	0.0007	P	0.1

$$y = 8.1342\text{E-}004 * x + 4.5902\text{E-}005$$

$$R = 0.9999$$

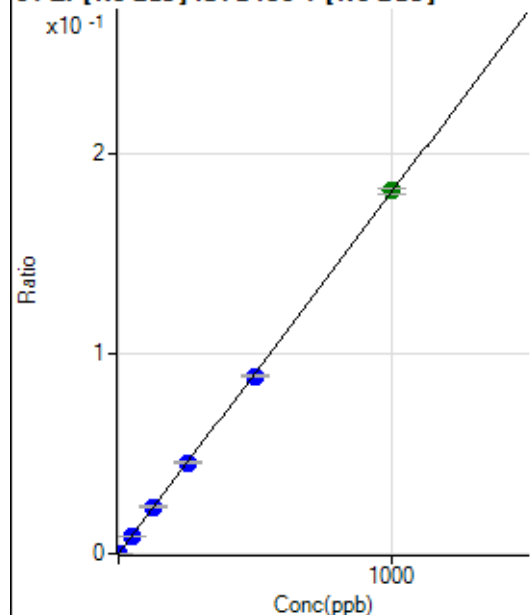
$$DL = 0.007414$$

$$BEC = 0.05643$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	102.23	0.0000	P	10.5
2	☐	1.000	1.051	2353.55	0.0002	P	2.1
3	☐	50.000	49.630	107440.79	0.0090	P	0.9
4	☐	125.000	129.437	275698.25	0.0233	P	1.7
5	☐	250.000	252.422	543808.31	0.0455	P	1.7
6	☐	500.000	490.311	1076967.34	0.0884	P	0.8
7	☐	1000.000	1003.703	2192380.30	0.1810	A	1.6
8	☐			1980.15	0.0002	P	4.5

$$y = 1.8033\text{E-}004 * x + 8.7081\text{E-}006$$

$$R = 0.9999$$

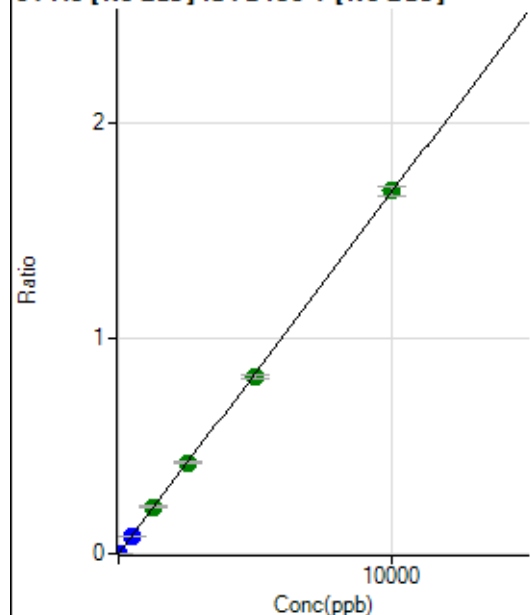
$$DL = 0.01522$$

$$BEC = 0.04829$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	347.78	0.0000	P	14.2
2	☐	5.000	6.399	13111.53	0.0011	P	0.8
3	☐	500.000	494.721	996724.89	0.0831	P	0.6
4	☐	1250.000	1292.179	2562209.55	0.2170	A	2.7
5	☐	2500.000	2516.494	5048245.90	0.4226	A	1.3
6	☐	5000.000	4900.095	10022141.45	0.8229	A	1.3
7	☐	10000.000	10040.820	20421998.59	1.6861	A	2.3
8	☐			6302.53	0.0005	P	2.2

$$y = 1.6793E-004 * x + 2.9646E-005$$

R = 0.9999

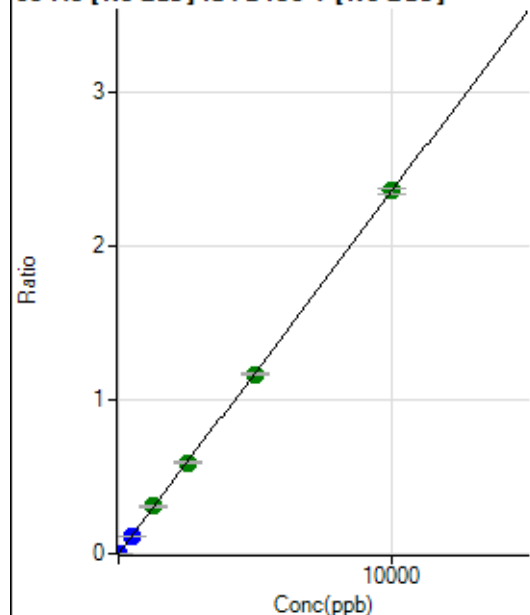
DL = 0.07509

BEC = 0.1765

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	287.78	0.0000	P	10.8
2	☐	5.000	5.601	15957.77	0.0013	P	2.9
3	☐	500.000	498.737	1409602.56	0.1175	P	0.2
4	☐	1250.000	1302.406	3623211.61	0.3069	A	2.5
5	☐	2500.000	2520.439	7093214.96	0.5939	A	2.0
6	☐	5000.000	4942.442	14182758.68	1.1645	A	1.1
7	☐	10000.000	10017.181	28586519.57	2.3602	A	1.7
8	☐			5027.58	0.0004	P	6.7

$$y = 2.3561E-004 * x + 2.4482E-005$$

R = 1.0000

DL = 0.03369

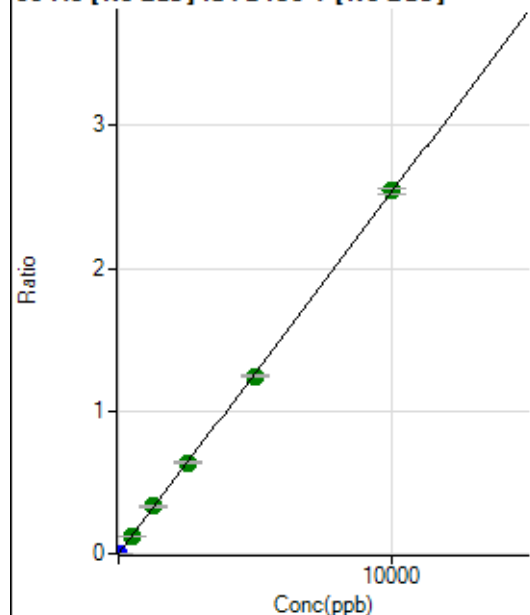
BEC = 0.1039

Weight: <None>

Min Conc: <None>

Calibration for 008CALS.d

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	366.67	0.0000	P	9.1
2	☐	5.000	5.732	17612.96	0.0015	P	0.0
3	☐	500.000	495.103	1504672.69	0.1255	A	1.0
4	☐	1250.000	1308.728	3915044.21	0.3316	A	1.7
5	☐	2500.000	2523.362	7635655.58	0.6393	A	2.6
6	☐	5000.000	4899.326	15117043.80	1.2412	A	0.9
7	☐	10000.000	10037.400	30799268.43	2.5429	A	1.9
8	☐			10082.48	0.0008	P	6.8

$$y = 2.5334E-004 * x + 3.1230E-005$$

$$R = 0.9999$$

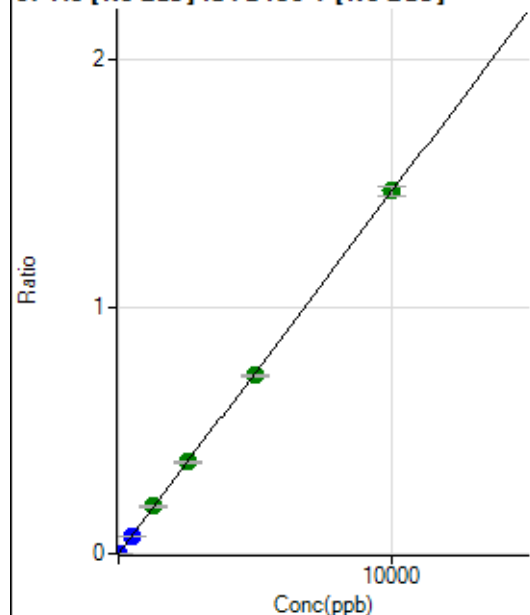
$$DL = 0.03383$$

$$BEC = 0.1233$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	223.34	0.0000	P	21.0
2	☐	5.000	5.582	9937.93	0.0008	P	2.1
3	☐	500.000	502.232	882732.07	0.0736	P	1.0
4	☐	1250.000	1309.132	2264915.47	0.1918	A	1.8
5	☐	2500.000	2535.781	4437766.50	0.3715	A	1.8
6	☐	5000.000	4916.350	8772875.77	0.7203	A	1.0
7	☐	10000.000	10025.376	17791548.76	1.4688	A	2.3
8	☐			3220.39	0.0003	P	2.4

$$y = 1.4651E-004 * x + 1.9032E-005$$

$$R = 0.9999$$

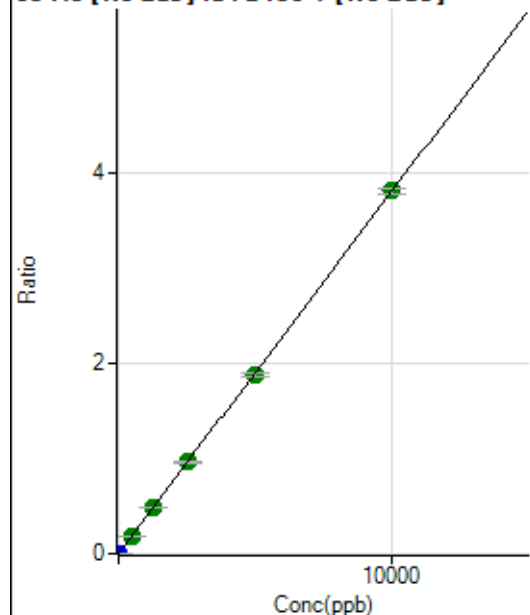
$$DL = 0.08176$$

$$BEC = 0.1299$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	496.68	0.0000	P	6.6
2	☐	5.000	5.468	25147.30	0.0021	P	1.5
3	☐	500.000	496.100	2259029.22	0.1884	A	0.5
4	☐	1250.000	1290.760	5786186.65	0.4900	A	0.7
5	☐	2500.000	2532.864	11484347.60	0.9615	A	1.9
6	☐	5000.000	4921.687	22753289.10	1.8683	A	2.2
7	☐	10000.000	10026.040	46098419.31	3.8058	A	1.3
8	☐			7947.80	0.0007	P	4.2

$$y = 3.7959E-004 * x + 4.2268E-005$$

R = 0.9999

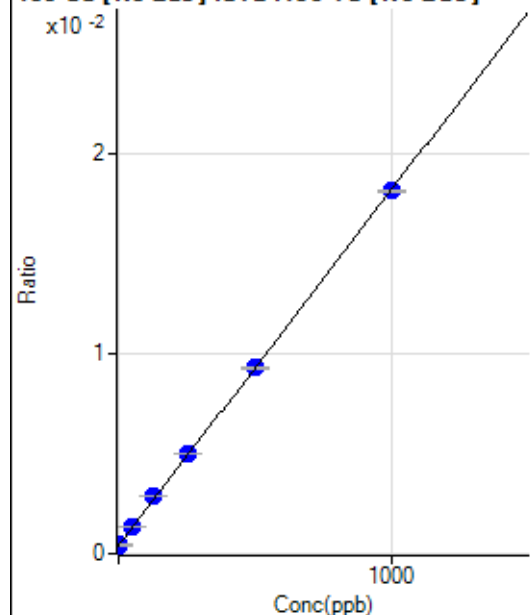
DL = 0.02189

BEC = 0.1114

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	3157.04	0.0004	P	2.0
2	☐	1.000	1.733	3416.00	0.0004	P	1.8
3	☐	50.000	54.535	10709.59	0.0014	P	2.2
4	☐	125.000	137.258	22247.18	0.0028	P	0.5
5	☐	250.000	258.204	40454.16	0.0050	P	1.3
6	☐	500.000	498.979	76303.17	0.0093	P	0.2
7	☐	1000.000	996.700	149162.52	0.0181	P	0.2
8	☐			3253.73	0.0004	P	2.8

$$y = 1.7791E-005 * x + 4.0575E-004$$

R = 0.9999

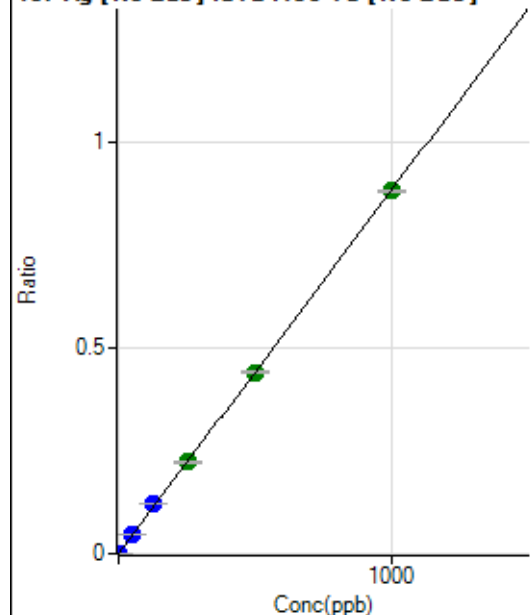
DL = 1.37

BEC = 22.81

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	70.00	0.0000	P	13.7
2	☐	1.000	1.136	7921.13	0.0010	P	3.3
3	☐	50.000	53.964	371132.28	0.0477	P	0.8
4	☐	125.000	136.512	942147.03	0.1206	P	0.7
5	☐	250.000	252.317	1803615.77	0.2229	A	1.2
6	☐	500.000	499.317	3625610.01	0.4411	A	0.8
7	☐	1000.000	998.125	7251220.10	0.8817	A	0.7
8	☐			1914.62	0.0002	P	43.0

$$y = 8.8334E-004 * x + 9.0083E-006$$

$$R = 0.9999$$

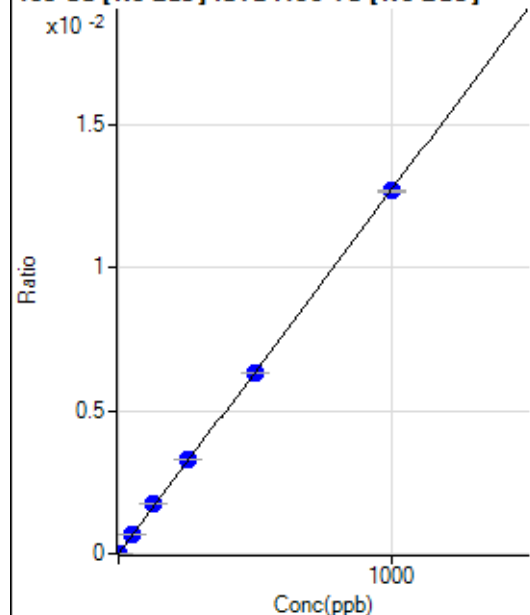
$$DL = 0.004198$$

$$BEC = 0.0102$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	7.78	0.0000	P	26.8
2	☐	1.000	1.172	124.45	0.0000	P	11.5
3	☐	50.000	53.913	5338.81	0.0007	P	2.1
4	☐	125.000	136.585	13564.23	0.0017	P	1.4
5	☐	250.000	258.481	26581.23	0.0033	P	0.8
6	☐	500.000	497.395	51947.48	0.0063	P	0.3
7	☐	1000.000	997.538	104232.68	0.0127	P	0.3
8	☐			95.56	0.0000	P	6.9

$$y = 1.2704E-005 * x + 1.0034E-006$$

$$R = 0.9999$$

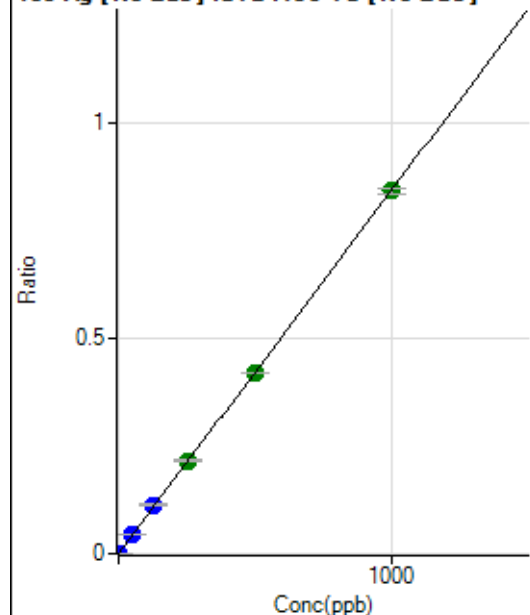
$$DL = 0.06362$$

$$BEC = 0.07898$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	40.00	0.0000	P	34.6
2	☐	1.000	1.121	7452.00	0.0010	P	4.2
3	☐	50.000	53.052	349029.44	0.0448	P	1.1
4	☐	125.000	134.662	889093.39	0.1138	P	0.7
5	☐	250.000	255.183	1745044.37	0.2157	A	2.4
6	☐	500.000	497.663	3456850.26	0.4206	A	0.8
7	☐	1000.000	998.512	6939283.09	0.8438	A	1.5
8	☐			1927.95	0.0002	P	46.7

$$y = 8.4508\text{E-}004 * x + 5.1226\text{E-}006$$

$$R = 0.9999$$

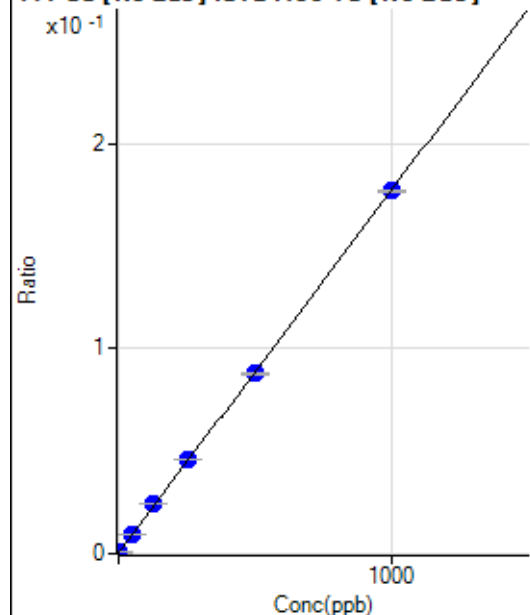
$$DL = 0.006299$$

$$BEC = 0.006062$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2221.15	0.0003	P	2.0
2	☐	1.000	1.281	4007.54	0.0005	P	2.4
3	☐	50.000	53.395	75719.35	0.0097	P	0.1
4	☐	125.000	136.874	191325.78	0.0245	P	0.8
5	☐	250.000	258.616	372396.81	0.0460	P	1.0
6	☐	500.000	495.970	723220.58	0.0880	P	0.9
7	☐	1000.000	998.207	1454092.48	0.1768	P	0.6
8	☐			2985.19	0.0004	P	2.5

$$y = 1.7684\text{E-}004 * x + 2.8548\text{E-}004$$

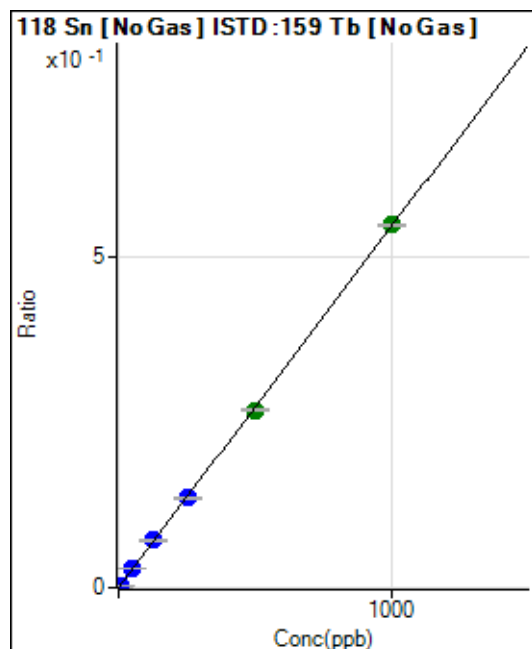
$$R = 0.9999$$

$$DL = 0.09589$$

$$BEC = 1.614$$

Weight: <None>

Min Conc: <None>



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1076.72	0.0001	P	7.4
2	☐	5.000	5.480	24444.21	0.0031	P	1.9
3	☐	50.000	50.938	217118.64	0.0279	P	0.7
4	☐	125.000	130.327	555868.17	0.0712	P	0.5
5	☐	250.000	247.990	1094560.93	0.1353	P	1.1
6	☐	500.000	491.521	2202357.21	0.2680	A	0.9
7	☐	1000.000	1004.027	4500414.27	0.5472	A	0.9
8	☐			1945.71	0.0002	P	6.4

$$y = 5.4488\text{E-}004 * x + 1.3852\text{E-}004$$

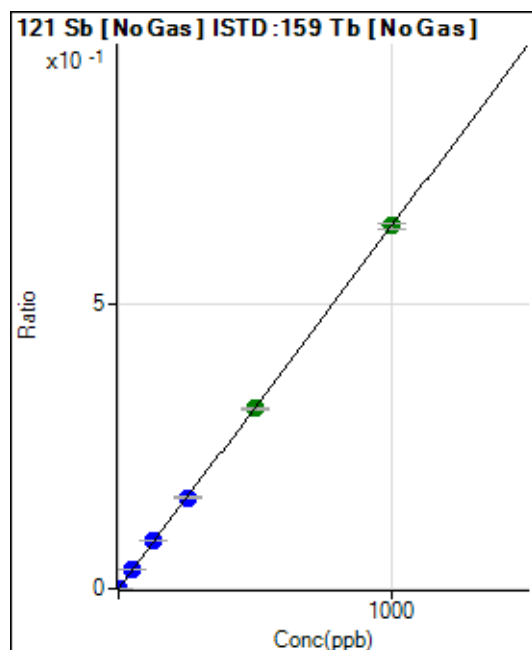
$$R = 0.9999$$

$$DL = 0.05628$$

$$BEC = 0.2542$$

Weight: <None>

Min Conc: <None>



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38.89	0.0000	P	37.9
2	☐	2.000	2.180	10938.69	0.0014	P	3.0
3	☐	50.000	51.762	257590.68	0.0331	P	0.8
4	☐	125.000	131.737	657935.87	0.0842	P	1.2
5	☐	250.000	251.229	1299570.41	0.1606	P	1.4
6	☐	500.000	497.090	2611791.82	0.3178	A	0.6
7	☐	1000.000	1000.217	5258752.63	0.6394	A	1.6
8	☐			4327.36	0.0005	P	4.2

$$y = 6.3924\text{E-}004 * x + 4.9938\text{E-}006$$

$$R = 1.0000$$

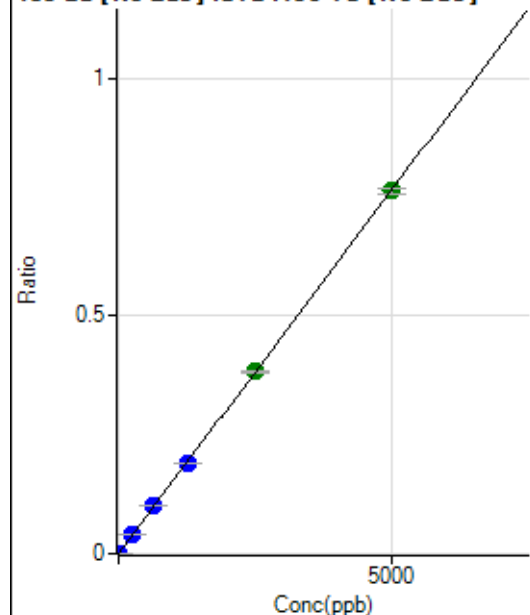
$$DL = 0.008884$$

$$BEC = 0.007812$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	31.0
2	☐	10.000	10.960	13160.63	0.0017	P	3.0
3	☐	250.000	256.741	305274.45	0.0392	P	0.5
4	☐	625.000	654.313	780779.44	0.0999	P	0.6
5	☐	1250.000	1246.210	1540168.43	0.1903	P	1.5
6	☐	2500.000	2509.993	3150846.93	0.3833	A	0.8
7	☐	5000.000	4991.948	6270039.70	0.7624	A	1.4
8	☐			3968.37	0.0005	P	2.3

$$y = 1.5273E-004 * x + 8.5357E-006$$

$$R = 1.0000$$

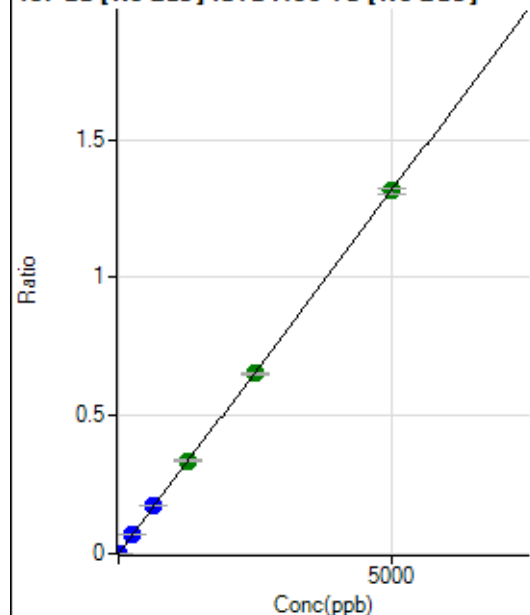
$$DL = 0.05202$$

$$BEC = 0.05589$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	106.67	0.0000	P	1.3
2	☐	10.000	11.065	22880.82	0.0029	P	1.2
3	☐	250.000	256.784	525924.98	0.0676	P	1.0
4	☐	625.000	656.038	1348438.16	0.1726	P	1.3
5	☐	1250.000	1278.382	2721464.65	0.3363	A	2.3
6	☐	2500.000	2484.078	5371329.64	0.6535	A	0.8
7	☐	5000.000	4996.644	10809922.69	1.3145	A	1.4
8	☐			6571.60	0.0008	P	1.8

$$y = 2.6308E-004 * x + 1.3708E-005$$

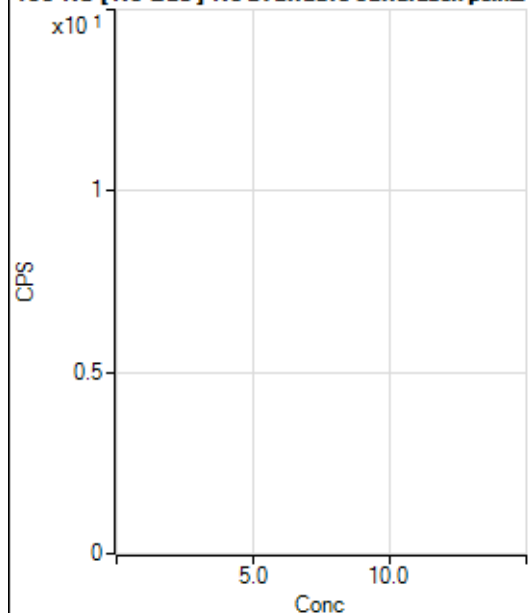
$$R = 1.0000$$

$$DL = 0.001958$$

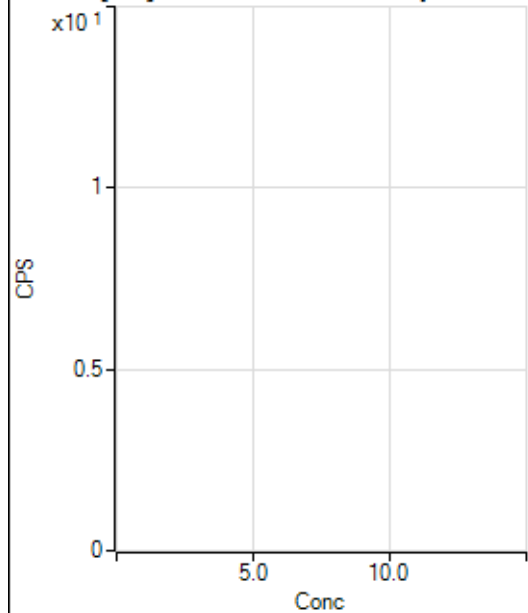
$$BEC = 0.05211$$

Weight: <None>

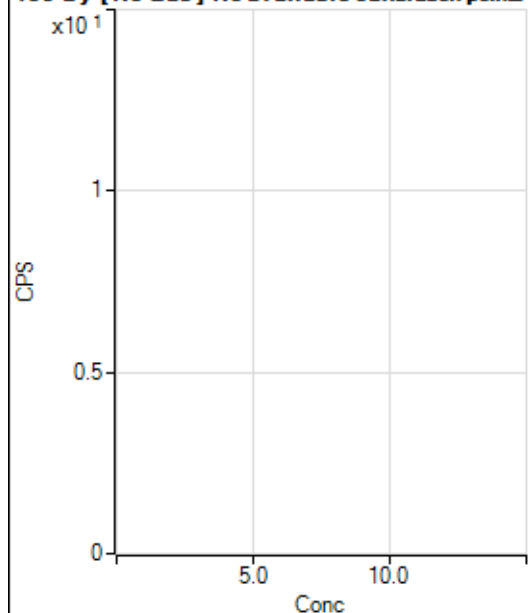
Min Conc: <None>

150 Nd [No Gas] No available calibration points

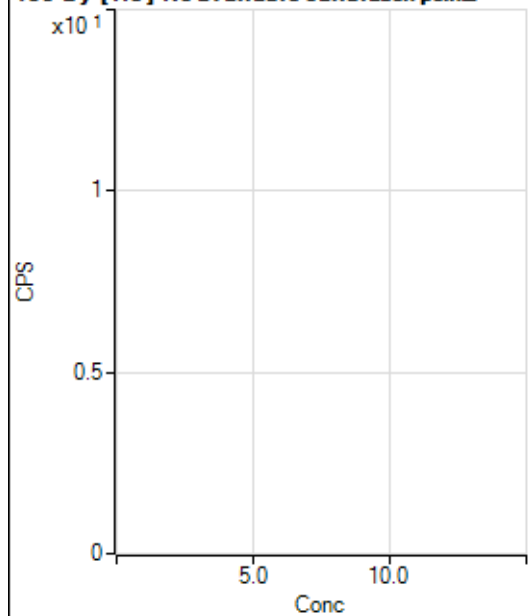
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	173.
2	☐			2.22		P	173.
3	☐			23.34		P	49.5
4	☐			40.00		P	22.0
5	☐			57.78		P	18.5
6	☐			112.23		P	8.6
7	☐			221.11		P	6.3
8	☐			138.89		P	14.5

150 Nd [He] No available calibration points

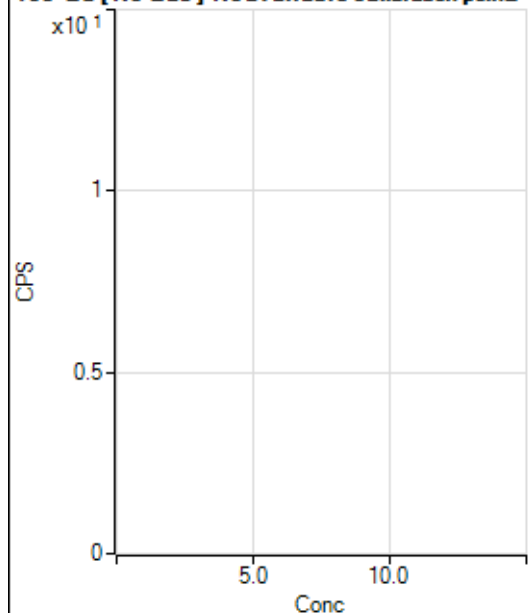
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	86.6
2	☐			6.67		P	50.0
3	☐			12.22		P	41.7
4	☐			14.44		P	35.3
5	☐			13.34		P	43.3
6	☐			42.22		P	31.9
7	☐			72.22		P	11.6
8	☐			81.11		P	14.4

156 Dy [No Gas] No available calibration points

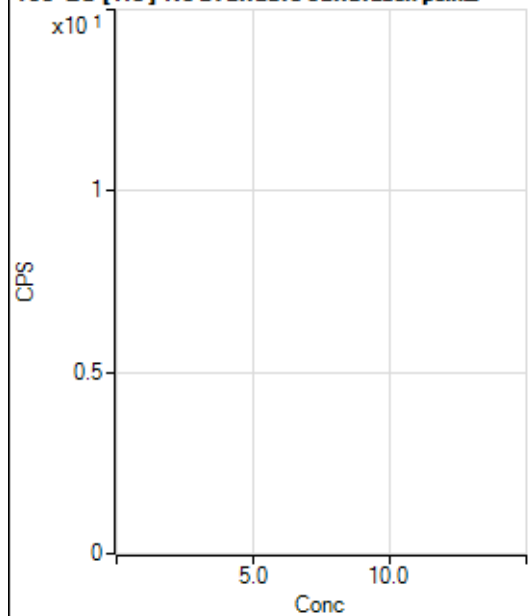
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	100.
2	☐			11.11		P	69.3
3	☐			15.56		P	53.9
4	☐			15.56		P	32.7
5	☐			33.33		P	17.3
6	☐			77.78		P	6.5
7	☐			128.89		P	14.9
8	☐			226.67		P	11.1

156 Dy [He] No available calibration points

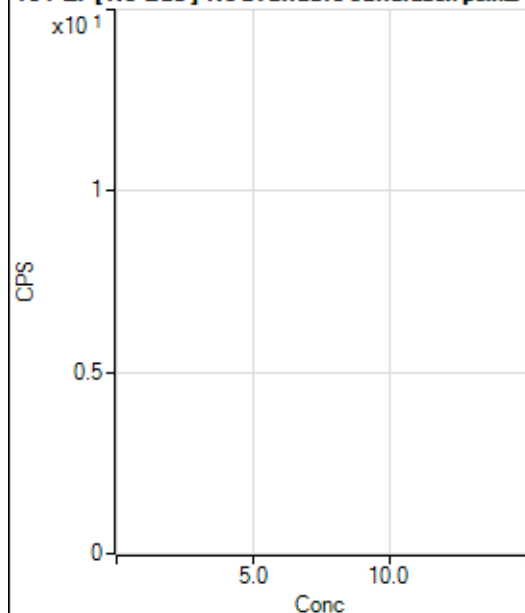
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.66		P	86.6
2	☐			3.33		P	100.
3	☐			13.34		P	43.3
4	☐			47.78		P	10.7
5	☐			86.67		P	6.7
6	☐			170.00		P	16.1
7	☐			342.23		P	11.8
8	☐			234.45		P	7.2

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

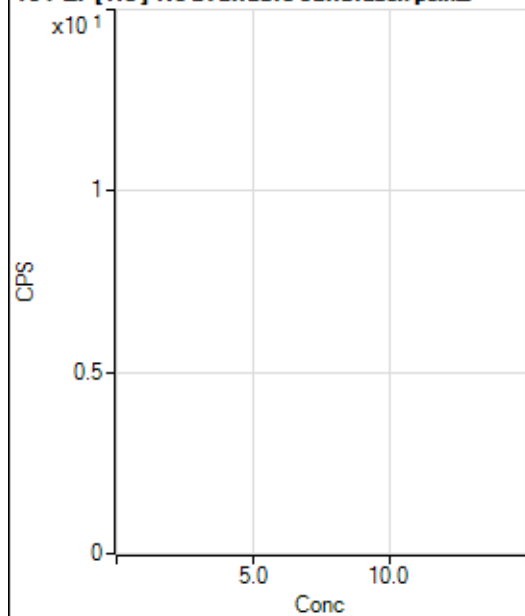
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			61.11		P	25.8
2	☐			64.44		P	25.5
3	☐			73.33		P	12.0
4	☐			64.44		P	28.5
5	☐			96.67		P	12.4
6	☐			118.89		P	25.4
7	☐			144.45		P	6.7
8	☐			340.01		P	7.1

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			337.78		P	9.4
2	☐			381.12		P	20.0
3	☐			336.68		P	10.4
4	☐			370.01		P	12.7
5	☐			336.67		P	6.9
6	☐			375.56		P	13.6
7	☐			404.45		P	4.8
8	☐			586.69		P	5.5

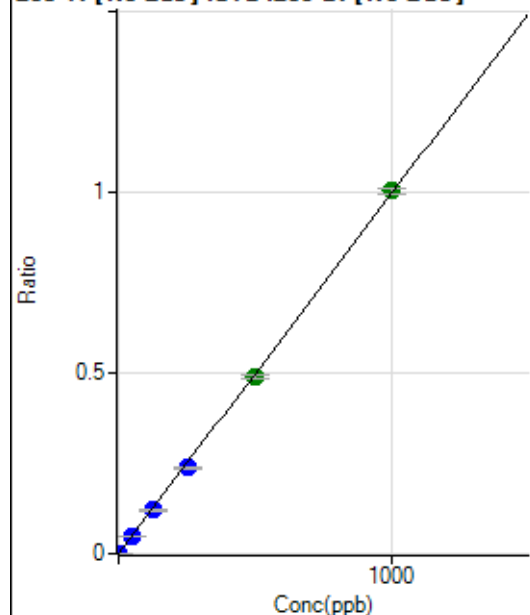
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			61.11		P	40.9
2	☐			62.22		P	8.2
3	☐			53.33		P	22.5
4	☐			83.33		P	12.0
5	☐			74.45		P	39.1
6	☐			120.00		P	25.0
7	☐			202.23		P	16.7
8	☐			625.58		P	6.4

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			43.33		P	46.8
2	☐			35.56		P	35.5
3	☐			44.44		P	31.2
4	☐			55.55		P	54.4
5	☐			70.00		P	12.6
6	☐			96.67		P	11.9
7	☐			134.45		P	3.8
8	☐			445.57		P	4.5

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	331.12	0.0001	P	6.5
2	☐	1.000	1.023	5226.61	0.0011	P	1.9
3	☐	50.000	47.056	224875.96	0.0469	P	0.8
4	☐	125.000	120.322	583009.48	0.1198	P	0.8
5	☐	250.000	238.039	1159196.95	0.2369	P	2.1
6	☐	500.000	491.718	2377599.36	0.4894	A	1.4
7	☐	1000.000	1007.863	4859234.37	1.0030	A	1.8
8	☐			6749.52	0.0015	P	0.8

$$y = 9.9507E-004 * x + 7.1838E-005$$

$$R = 0.9999$$

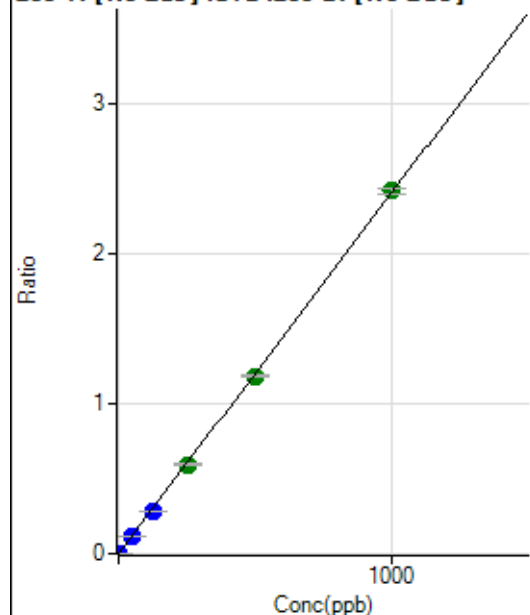
$$DL = 0.01404$$

$$BEC = 0.07219$$

Weight: <None>

Min Conc: <None>

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	704.47	0.0002	P	2.8
2	☐	1.000	0.998	12238.99	0.0026	P	3.4
3	☐	50.000	46.557	537249.50	0.1120	P	0.5
4	☐	125.000	118.012	1380875.68	0.2838	P	0.2
5	☐	250.000	246.243	2896148.60	0.5919	A	1.6
6	☐	500.000	492.428	5750820.26	1.1835	A	0.7
7	☐	1000.000	1005.771	11710931.91	2.4172	A	1.3
8	☐			15675.85	0.0035	P	1.6

$$y = 0.0024 * x + 1.5276E-004$$

$$R = 0.9999$$

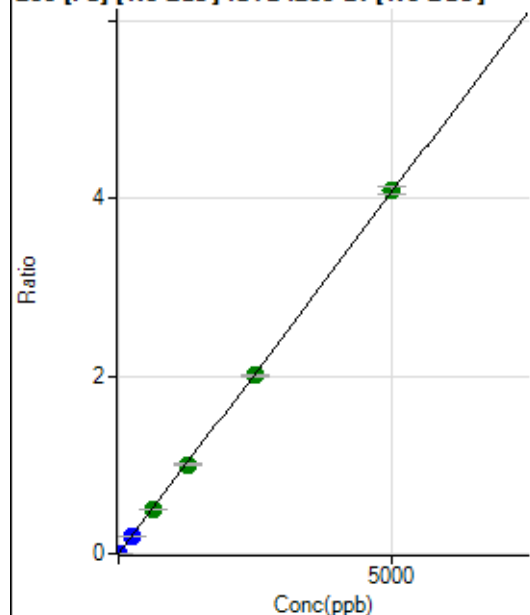
$$DL = 0.005278$$

$$BEC = 0.06356$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	391.12	0.0001	P	10.4
2	☐	1.000	0.987	4251.83	0.0009	P	1.0
3	☐	250.000	234.614	914576.54	0.1907	P	0.3
4	☐	625.000	619.979	2451814.93	0.5038	A	1.0
5	☐	1250.000	1231.584	4895928.89	1.0008	A	2.6
6	☐	2500.000	2465.380	9733577.57	2.0033	A	0.7
7	☐	5000.000	5023.311	19776005.95	4.0817	A	2.2
8	☐			5234.40	0.0012	P	2.0

$$y = 8.1254E-004 * x + 8.4651E-005$$

R = 1.0000

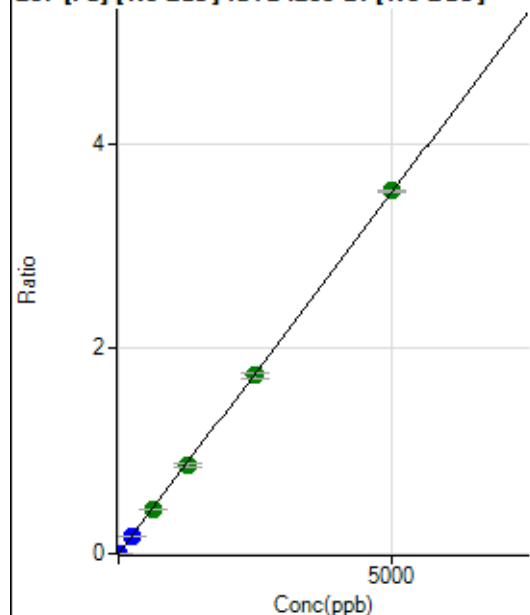
DL = 0.03246

BEC = 0.1042

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	353.34	0.0001	P	5.7
2	☐	1.000	1.020	3810.58	0.0008	P	3.7
3	☐	250.000	232.004	783812.44	0.1635	P	0.3
4	☐	625.000	615.541	2109522.94	0.4335	A	3.0
5	☐	1250.000	1227.423	4227990.56	0.8644	A	4.3
6	☐	2500.000	2464.366	8431432.10	1.7355	A	2.7
7	☐	5000.000	5025.544	17145425.72	3.5390	A	0.8
8	☐			4496.35	0.0010	P	3.8

$$y = 7.0419E-004 * x + 7.6651E-005$$

R = 1.0000

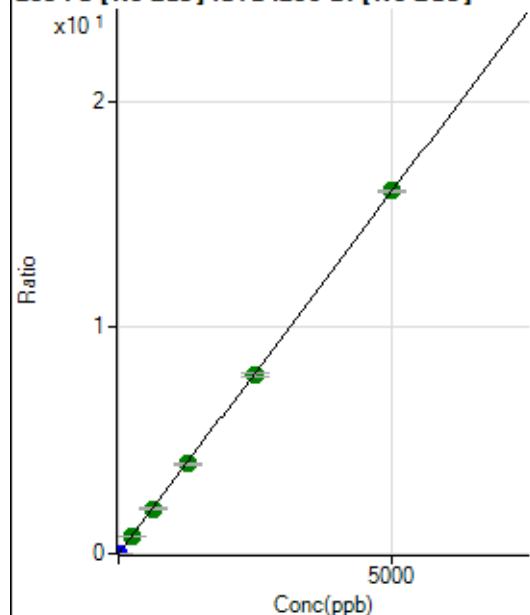
DL = 0.01875

BEC = 0.1089

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1588.94	0.0003	P	6.6
2	☐	1.000	1.008	17099.97	0.0036	P	1.5
3	☐	250.000	239.544	3671811.84	0.7657	A	0.8
4	☐	625.000	624.639	9712976.02	1.9961	A	2.4
5	☐	1250.000	1239.692	19379241.52	3.9612	A	2.4
6	☐	2500.000	2474.991	38423029.09	7.9081	A	1.6
7	☐	5000.000	5015.650	77641680.79	16.0256	A	0.8
8	☐			20425.07	0.0045	P	2.9

$$y = 0.0032 * x + 3.4412E-004$$

$$R = 1.0000$$

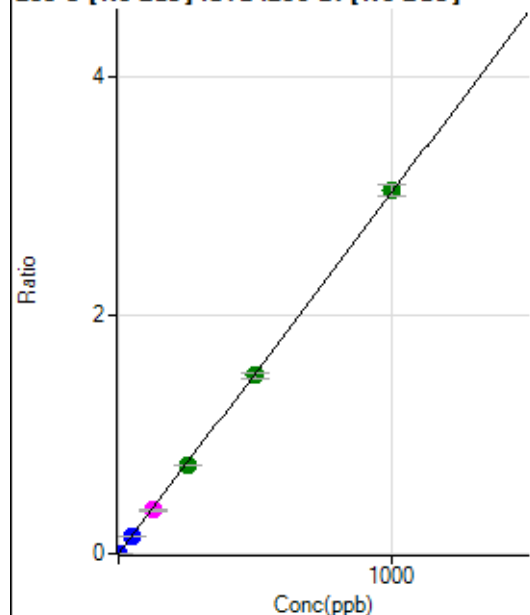
$$DL = 0.02143$$

$$BEC = 0.1077$$

Weight: <None>

Min Conc: <None>

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	70.00	0.0000	P	109.
2	☐	1.000	0.978	14264.45	0.0030	P	2.5
3	☐	50.000	45.446	659787.33	0.1376	P	0.7
4	☐	125.000	120.467	1774369.66	0.3647	M	4.0
5	☐	250.000	246.206	3646933.52	0.7453	A	1.2
6	☐	500.000	493.324	7255778.09	1.4934	A	2.5
7	☐	1000.000	1005.081	14741768.81	3.0426	A	3.1
8	☐			621.13	0.0001	P	34.8

$$y = 0.0030 * x + 1.4949E-005$$

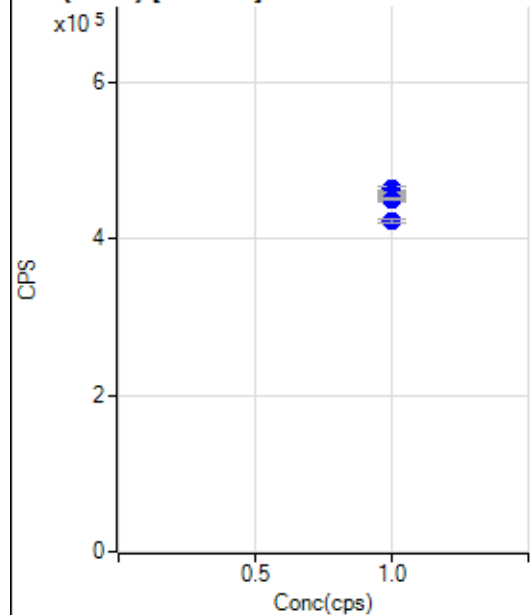
$$R = 1.0000$$

$$DL = 0.01626$$

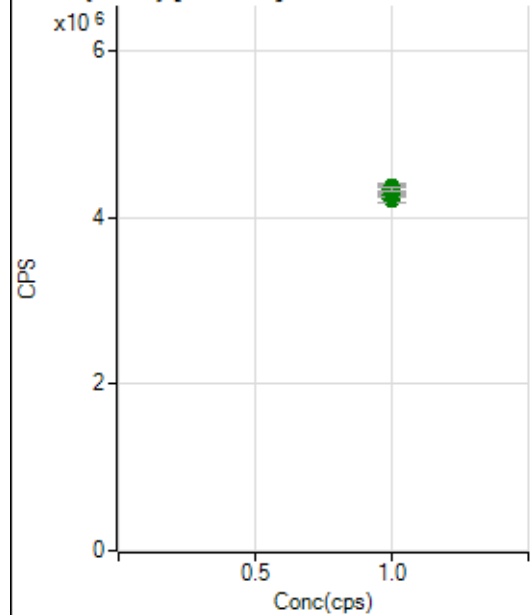
$$BEC = 0.004938$$

Weight: <None>

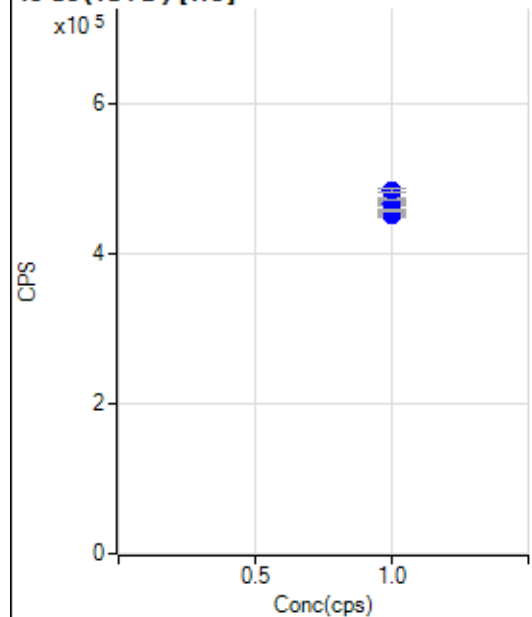
Min Conc: <None>

6 Li (ISTD) [No Gas]

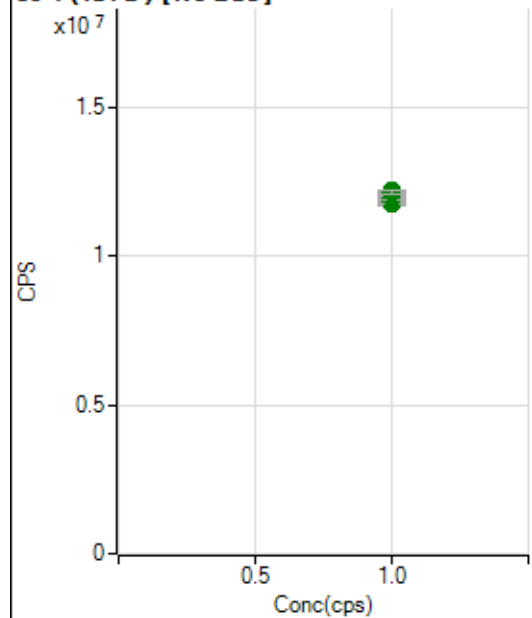
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		421705.08		P	1.4
2	☐	1.000		448761.16		P	1.0
3	☐	1.000		455967.88		P	1.0
4	☐	1.000		451581.82		P	0.4
5	☐	1.000		458459.71		P	0.4
6	☐	1.000		463224.89		P	1.0
7	☐	1.000		457411.89		P	0.3
8	☐	1.000		450529.71		P	0.7

45 Sc (ISTD) [No Gas]

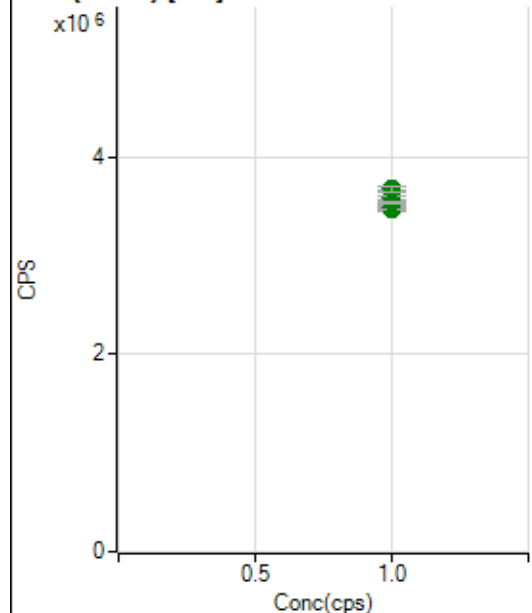
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4216616.36		A	1.8
2	☐	1.000		4350081.05		A	2.4
3	☐	1.000		4310416.70		A	0.2
4	☐	1.000		4269299.59		A	1.0
5	☐	1.000		4301349.66		A	0.8
6	☐	1.000		4324939.90		A	1.8
7	☐	1.000		4330895.84		A	2.0
8	☐	1.000		4334380.66		A	1.0

45 Sc (ISTD) [He]

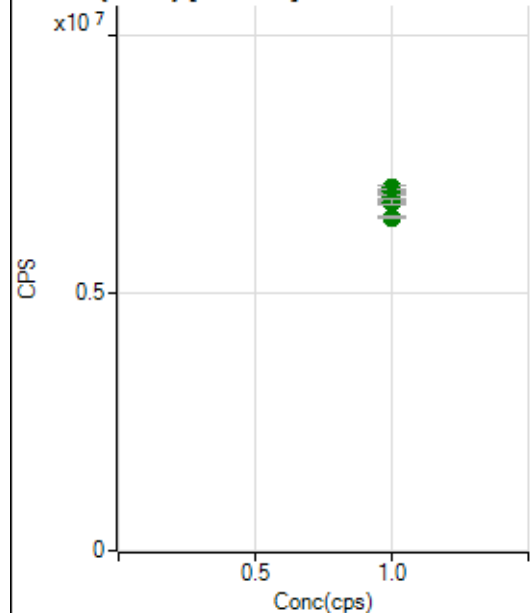
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		450968.20		P	0.7
2	☐	1.000		465504.49		P	0.9
3	☐	1.000		466441.38		P	1.2
4	☐	1.000		454607.58		P	0.7
5	☐	1.000		457294.37		P	0.3
6	☐	1.000		458717.47		P	0.5
7	☐	1.000		472023.72		P	0.6
8	☐	1.000		483719.19		P	1.1

89 Y (ISTD) [No Gas]

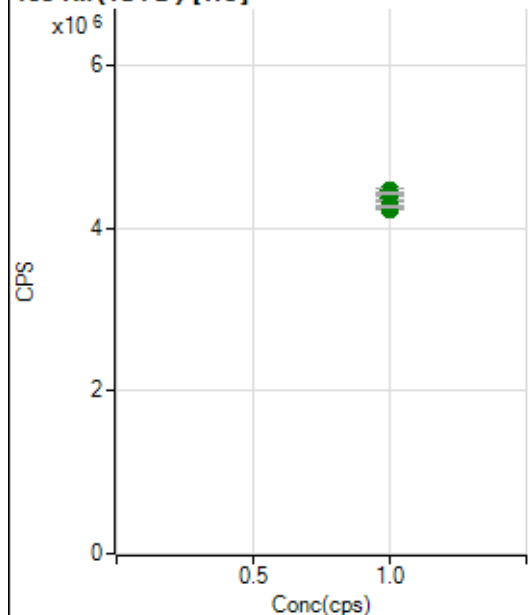
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11744585.52		A	1.2
2	☐	1.000		11874360.38		A	1.2
3	☐	1.000		11993413.85		A	0.2
4	☐	1.000		11808635.93		A	1.1
5	☐	1.000		11946208.71		A	1.2
6	☐	1.000		12179550.10		A	0.4
7	☐	1.000		12113630.38		A	1.1
8	☐	1.000		12149081.63		A	0.9

89 Y (ISTD) [He]

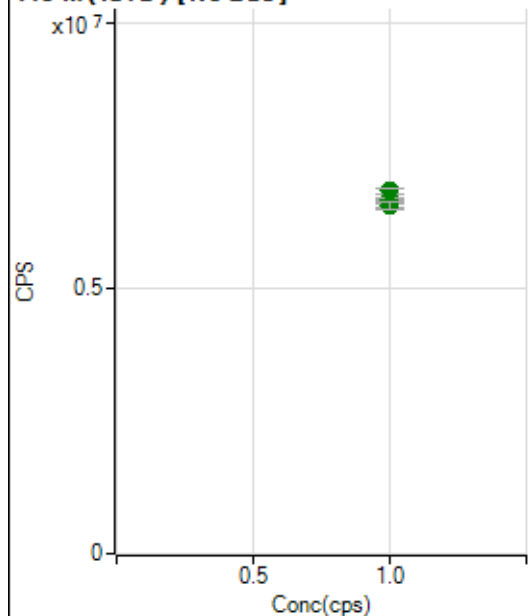
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3492692.62		A	0.9
2	☐	1.000		3587255.05		A	1.5
3	☐	1.000		3546048.97		A	1.2
4	☐	1.000		3466973.42		A	1.3
5	☐	1.000		3489301.76		A	1.1
6	☐	1.000		3536838.42		A	0.8
7	☐	1.000		3635117.69		A	1.3
8	☐	1.000		3675709.77		A	1.4

103 Rh (ISTD) [No Gas]

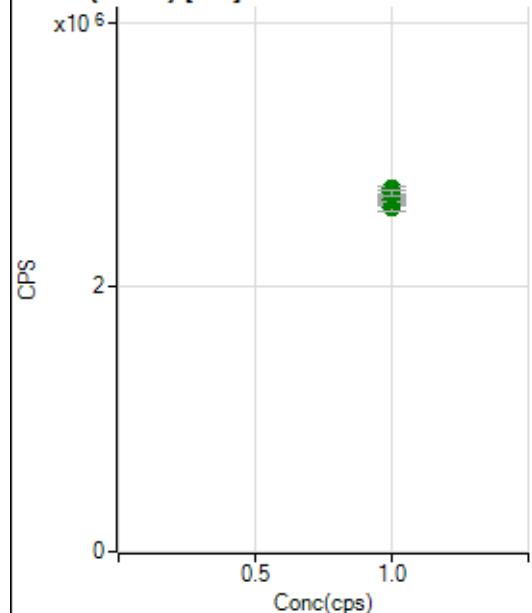
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6845678.79		A	2.8
2	☐	1.000		7048487.25		A	1.3
3	☐	1.000		6974926.84		A	0.9
4	☐	1.000		6859018.79		A	1.3
5	☐	1.000		6829197.95		A	0.1
6	☐	1.000		6848275.38		A	1.4
7	☐	1.000		6770527.61		A	1.6
8	☐	1.000		6478438.45		A	0.5

103 Rh (ISTD) [He]

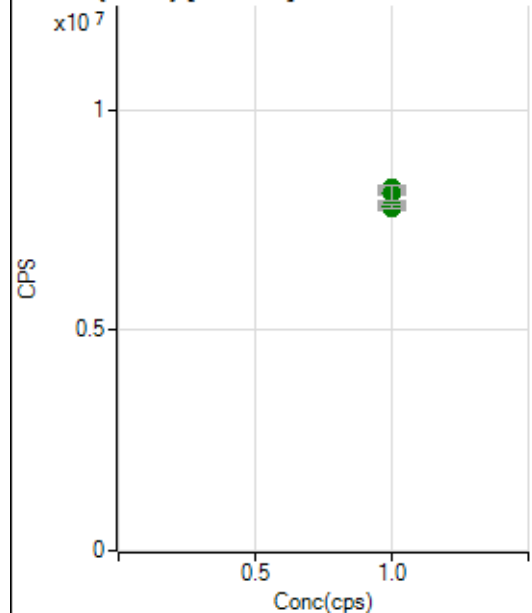
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4335246.60		A	0.6
2	☐	1.000		4455628.72		A	1.0
3	☐	1.000		4418708.20		A	1.0
4	☐	1.000		4359142.92		A	1.7
5	☐	1.000		4238643.82		A	0.2
6	☐	1.000		4332819.56		A	0.5
7	☐	1.000		4422164.51		A	0.4
8	☐	1.000		4266160.32		A	0.8

115 In (ISTD) [No Gas]

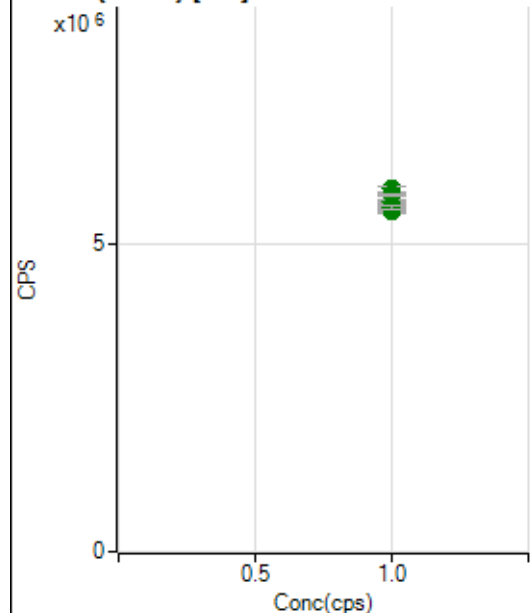
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6558647.72		A	1.3
2	☐	1.000		6831335.82		A	1.9
3	☐	1.000		6660169.95		A	1.2
4	☐	1.000		6620471.86		A	0.6
5	☐	1.000		6692401.19		A	0.5
6	☐	1.000		6713529.38		A	1.7
7	☐	1.000		6648467.29		A	1.9
8	☐	1.000		6553954.78		A	2.2

115 In (ISTD) [He]

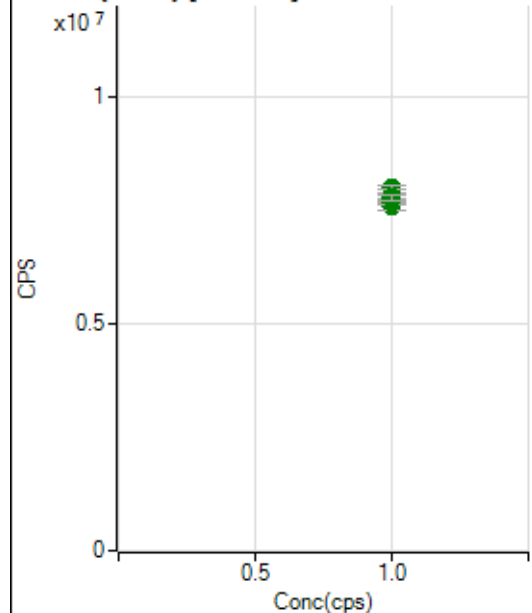
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2629779.74		A	1.4
2	☐	1.000		2742082.97		A	1.1
3	☐	1.000		2693891.57		A	0.6
4	☐	1.000		2645105.31		A	0.6
5	☐	1.000		2608308.48		A	2.3
6	☐	1.000		2661338.22		A	0.9
7	☐	1.000		2696883.98		A	0.4
8	☐	1.000		2713554.28		A	1.9

159 Tb (ISTD) [No Gas]

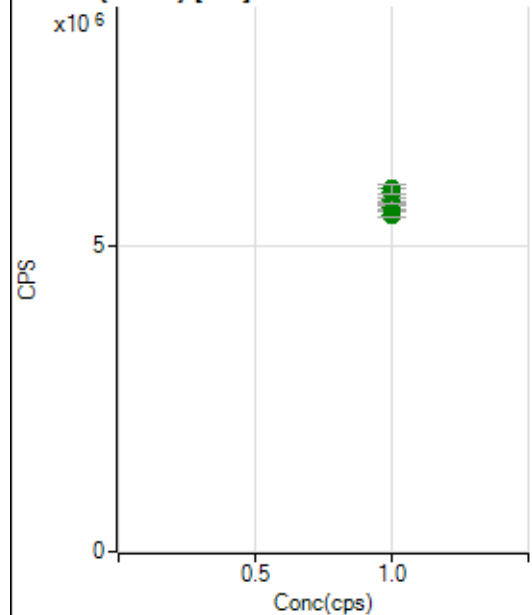
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7780293.64		A	2.0
2	☐	1.000		7824332.04		A	1.2
3	☐	1.000		7783917.59		A	0.7
4	☐	1.000		7812702.80		A	0.9
5	☐	1.000		8092436.20		A	0.8
6	☐	1.000		8219637.86		A	1.3
7	☐	1.000		8224037.93		A	0.7
8	☐	1.000		8106387.59		A	3.9

159 Tb (ISTD) [He]

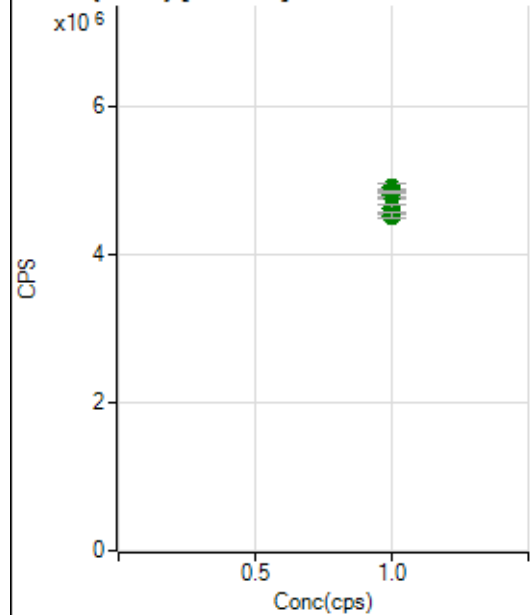
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5512632.83		A	0.9
2	☐	1.000		5643414.71		A	1.7
3	☐	1.000		5667342.83		A	1.9
4	☐	1.000		5558048.25		A	0.8
5	☐	1.000		5683009.15		A	0.8
6	☐	1.000		5586714.43		A	0.9
7	☐	1.000		5891289.91		A	1.8
8	☐	1.000		5793899.98		A	0.9

165 Ho (ISTD) [No Gas]

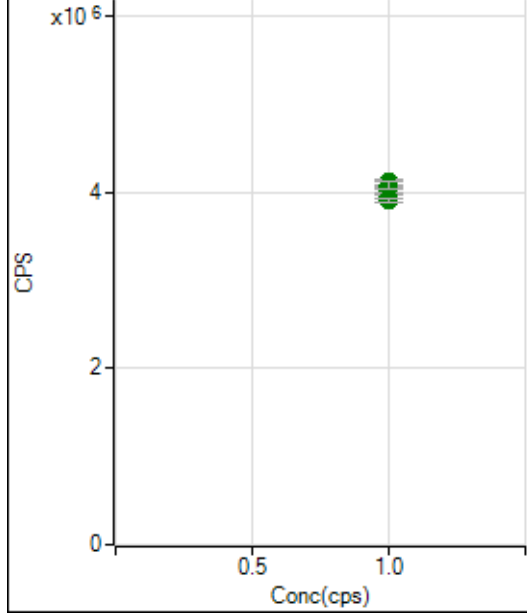
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7555727.94		A	1.4
2	☐	1.000		7701509.05		A	1.2
3	☐	1.000		7650941.34		A	1.3
4	☐	1.000		7759956.14		A	1.4
5	☐	1.000		7768814.19		A	1.5
6	☐	1.000		7849088.43		A	0.2
7	☐	1.000		7981646.13		A	1.2
8	☐	1.000		7765503.57		A	1.9

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5522665.37		A	1.4
2	☐	1.000		5705562.34		A	0.9
3	☐	1.000		5650584.50		A	1.6
4	☐	1.000		5628159.92		A	1.1
5	☐	1.000		5672373.46		A	0.4
6	☐	1.000		5755443.74		A	1.4
7	☐	1.000		5903480.54		A	1.6
8	☐	1.000		5941593.94		A	2.6

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4612147.26		A	2.7
2	☐	1.000		4796111.49		A	1.5
3	☐	1.000		4795424.65		A	0.8
4	☐	1.000		4866511.52		A	0.8
5	☐	1.000		4893733.57		A	2.0
6	☐	1.000		4858928.99		A	1.1
7	☐	1.000		4844790.69		A	0.4
8	☐	1.000		4519034.38		A	1.7

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3946045.32		A	0.9
2	☐	1.000		4118542.16		A	1.4
3	☐	1.000		4086255.77		A	1.9
4	☐	1.000		4025651.19		A	1.7
5	☐	1.000		4032623.24		A	1.8
6	☐	1.000		4069391.08		A	1.1
7	☐	1.000		4081233.13		A	1.8
8	☐	1.000		3908132.79		A	1.5

SOP ID : M7470A-Mercury-20

SDG No : NA

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

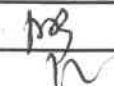
Block ID: 1. HG HOT BLOCK#3 2. N/A

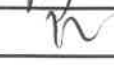
Start Digest Date: 08/20/2025 Time : 13:50 Temp : 93 °C

End Digest Date: 08/20/2025 Time : 15:50 Temp : 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: 

Supervisor Signature: 

Temp : 1. 93°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86854
CCV	30mL	MP86856
CRA	30mL	MP86858
Blank Spike	0.48mL	MP86847
Matrix Spike	0.48mL	MP86847

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP86848
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86849
2.5 ppb	S2.5	30mL	MP86850
5.0 ppb	S5.0	30mL	MP86851
7.5 ppb	S7.5	30mL	MP86852
10.0 ppb	S10.0	30mL	MP86853
ICV	ICV	30mL	MP86854
ICB	ICB	30mL	MP86855
CCV	CCV	30mL	MP86856
CCB	CCB	30mL	MP86857
CRI	CRI	30mL	MP86858
CHK STD	CHK STD	30mL	MP86859

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/20/25 10:20	MB, MGR, LMS	MB, MGR, LMS
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB169327BL	PBW327	30	30	<2	N/A	3-1
PB169327BS	LCS327	30	30	<2	MP86847	2
Q2869-01DUP	MW-19B-71.5-081325DUP	30	30	<2	N/A	4
Q2869-01MS	MW-19B-71.5-081325MS	30	30	<2	MP86847	5
Q2869-01MSD	MW-19B-71.5-081325MSD	30	30	<2	MP86847	6
Q2869-01	MW-19B-71.5-081325	30	30	<2	N/A	3
Q2869-05	MW-19B-71.5-081325-FD	30	30	<2	N/A	7
Q2869-07	EB01-081325	30	30	<2	N/A	8
Q2878-01	MW-18B-57.5-081325	30	30	<2	N/A	9
Q2890-01	60296	30	30	<2	N/A	10
Q2890-02	60295	30	30	<2	N/A	11
Q2890-03	60272	30	30	<2	N/A	12
Q2906-01	3409	30	30	<2	N/A	13
Q2909-03	4066	30	30	<2	N/A	14
Q2909-04	4067	30	30	<2	N/A	15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 082025_7470

WorkList ID : 191371

Department : Digestion

Date : 08-20-2025 13:03:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2869-01	MW-19B-71.5-081325	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	J31	08/13/2025	7470A
Q2869-05	MW-19B-71.5-081325-FD	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	J31	08/13/2025	7470A
Q2869-07	EB01-081325	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	J31	08/13/2025	7470A
Q2878-01	MW-18B-57.5-081325	Water	Mercury	1:1 HNO3 to pH < 2	JACO05	D31	08/13/2025	7470A
Q2890-01	60296	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	D21	08/15/2025	7470A
Q2890-02	60295	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	D21	08/15/2025	7470A
Q2890-03	60272	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	D21	08/15/2025	7470A
Q2906-01	3409	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	D21	08/20/2025	7470A
Q2909-03	4066	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	D11	08/20/2025	7470A
Q2909-04	4067	Water	Mercury	1:1 HNO3 to pH < 2	PSEG03	D11	08/20/2025	7470A

Date/Time 8/20/25 09:25
 Raw Sample Received by: AB - 1119 - Lnd
 Raw Sample Relinquished by: AB - 1119 - Lnd

Date/Time 08-20-2025 14:00
 Raw Sample Received by: AB - 1119 - Lnd
 Raw Sample Relinquished by: AB - 1119 - Lnd

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 08/20/2025 Time : 14:05 Temp : 96 °C

End Digest Date: 08/20/2025 Time : 17:10 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *SJS*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
Spike Sol 1	0.50	MP86790
Spike Sol 2	1.00	MP86791
Spike Sol 3	1.00	MP86792
Spike Sol 4	1.00	MP86793
N/A	N/A	N/A

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

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96C
MP86792,MP86793,X*

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/20/25 18:10	<i>SJS mer dig</i>	<i>[Signature] on-site Lab</i>
	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
PB169323BL	PBW323	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
PB169323BS	LCS323	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	2
Q2878-01MS	MW-18B-57.5-081325MS	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	7
Q2878-01MSD	MW-18B-57.5-081325MSD	<2	50	50	Colorless	Colorless	Cloudy	Clear	MP86790,MP86791,X*	11
Q2878-01DUP	MW-18B-57.5-081325DUP	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	6
Q2878-01	MW-18B-57.5-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
Q2878-02	MW-18B-57.5-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
Q2890-01	60296	<2	50	50	Brown	Light Yellow	Cloudy	Clear	N/A	5
Q2890-02	60295	<2	50	50	Brown	Light Yellow	Cloudy	Clear	N/A	8
Q2890-03	60272	<2	50	50	Brown	Light Yellow	Cloudy	Clear	N/A	9
Q2906-01	3409	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	10

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB169323

Worklist ID : 191363

Department : Digestion

Date : 08-20-2025 09:49:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2878-01	MMW-18B-57.5-081325	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	JACO05	D31	08/13/2025	6020B
Q2878-02	MMW-18B-57.5-081325	Water	Dissolved ICP-Group2	Cool 4 deg C	JACO05	D31	08/13/2025	6020B
Q2890-01	60296	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	D21	08/15/2025	6020B
Q2890-02	60295	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	D21	08/15/2025	6020B
Q2890-03	60272	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	D21	08/15/2025	6020B
Q2906-01	3409	Water	Metals ICP-TAL	1:1 HNO3 to pH < 2	PSEG03	D21	08/20/2025	6020B

Date/Time 08/20/25 14:00
 Raw Sample Received by: SLA web dig
 Raw Sample Relinquished by: CP Cam

Date/Time 08/20/25 15:00
 Raw Sample Received by: CP Cam
 Raw Sample Relinquished by: SLA web dig

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136901

Review By	jaswal	Review On	8/21/2025 9:25:37 PM
Supervise By	mohan	Supervise On	8/26/2025 9:41:32 AM

STD. NAME	STD REF.#
ICAL Standard	MP86848,MP86849,MP86850,MP86851,MP86852,MP86853
ICV Standard	MP86854
CCV Standard	MP86856
ICSA Standard	
CRI Standard	MP86858
LCS Standard	
Chk Standard	MP86855,MP86857,,MP868,MP86859,MP86872

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/21/25 08:41		MOHAN	OK
2	S0.2	S0.2	CAL2	08/21/25 08:44		MOHAN	OK
3	S2.5	S2.5	CAL3	08/21/25 08:46		MOHAN	OK
4	S5	S5	CAL4	08/21/25 08:48		MOHAN	OK
5	S7.5	S7.5	CAL5	08/21/25 08:51		MOHAN	OK
6	S10	S10	CAL6	08/21/25 08:56		MOHAN	OK
7	ICV27	ICV27	ICV	08/21/25 08:59		MOHAN	OK
8	ICB27	ICB27	ICB	08/21/25 09:01		MOHAN	OK
9	CCV84	CCV84	CCV	08/21/25 09:03		MOHAN	OK
10	CCB84	CCB84	CCB	08/21/25 09:05		MOHAN	OK
11	CRA	CRA	CRDL	08/21/25 09:08		MOHAN	OK
12	HighStd	HighStd	HIGH STD	08/21/25 09:10		MOHAN	OK
13	ChkStd	ChkStd	SAM	08/21/25 09:12		MOHAN	OK
14	PB169327BL	PB169327BL	MB	08/21/25 09:14		MOHAN	OK
15	PB169327BS	PB169327BS	LCS	08/21/25 09:19		MOHAN	OK
16	Q2869-01	MW-19B-71.5-081325	SAM	08/21/25 09:22		MOHAN	OK
17	Q2869-01DUP	MW-19B-71.5-081325	DUP	08/21/25 09:24		MOHAN	OK
18	Q2869-01MS	MW-19B-71.5-081325	MS	08/21/25 09:26		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136901

Review By	jaswal	Review On	8/21/2025 9:25:37 PM
Supervise By	mohan	Supervise On	8/26/2025 9:41:32 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86848,MP86849,MP86850,MP86851,MP86852,MP86853		
ICV Standard	MP86854		
CCV Standard	MP86856		
ICSA Standard			
CRI Standard	MP86858		
LCS Standard			
Chk Standard	MP86855,MP86857,,MP868,MP86859,MP86872		

19	Q2869-01MSD	MW-19B-71.5-081325	MSD	08/21/25 09:31		MOHAN	OK
20	Q2869-05	MW-19B-71.5-081325	SAM	08/21/25 09:33		MOHAN	OK
21	CCV85	CCV85	CCV	08/21/25 09:36		MOHAN	OK
22	CCB85	CCB85	CCB	08/21/25 09:38		MOHAN	OK
23	Q2869-07	EB01-081325	SAM	08/21/25 09:40		MOHAN	OK
24	Q2878-01	MW-18B-57.5-081325	SAM	08/21/25 09:43		MOHAN	OK
25	Q2890-01	60296	SAM	08/21/25 09:45		MOHAN	OK
26	Q2890-02	60295	SAM	08/21/25 09:47		MOHAN	OK
27	Q2890-03	60272	SAM	08/21/25 09:49		MOHAN	OK
28	Q2906-01	3409	SAM	08/21/25 09:52		MOHAN	OK
29	Q2909-03	4066	SAM	08/21/25 09:54		MOHAN	OK
30	Q2909-04	4067	SAM	08/21/25 09:56		MOHAN	OK
31	Q2869-01L	MW-19B-71.5-081325	SD	08/21/25 10:02		MOHAN	OK
32	Q2869-01A	MW-19B-71.5-081325	PS	08/21/25 10:07		MOHAN	OK
33	CCV86	CCV86	CCV	08/21/25 10:12		MOHAN	OK
34	CCB86	CCB86	CCB	08/21/25 10:14		MOHAN	OK

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740		
ICV Standard	MP86863,MP86788		
CCV Standard	MP86794		
ICSA Standard	MP86746,MP86747		
CRI Standard			
LCS Standard			
Chk Standard	MP86750,MP86748		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	08/21/25 10:59		Jaswal	OK
2	S0	S0	CAL1	08/21/25 11:33		Jaswal	OK
3	S2	S2	CAL3	08/21/25 11:39		Jaswal	OK
4	S3	S3	CAL4	08/21/25 11:43		Jaswal	OK
5	S4	S4	CAL5	08/21/25 11:46		Jaswal	OK
6	S5	S5	CAL6	08/21/25 11:49		Jaswal	OK
7	S6	S6	CAL7	08/21/25 11:52		Jaswal	OK
8	S7	S7	CAL8	08/21/25 11:54		Jaswal	OK
9	S8	S8	CAL9	08/21/25 11:57		Jaswal	OK
10	ICV01	ICV01	ICV	08/21/25 12:15		Jaswal	OK
11	LLICV01	LLICV01	LLICV	08/21/25 12:26		Jaswal	OK
12	ICB01	ICB01	ICB	08/21/25 12:29		Jaswal	OK
13	ICSA01	ICSA01	ICSA	08/21/25 12:33		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	08/21/25 12:36		Jaswal	OK
15	CCV01	CCV01	CCV	08/21/25 12:39		Jaswal	OK
16	CCB01	CCB01	CCB	08/21/25 12:44		Jaswal	OK
17	CRI	CRI	CRDL	08/21/25 12:48		Jaswal	OK
18	Q2126-01	LOD-MDL-SOIL-03-Q	SAM	08/21/25 12:58		Jaswal	Not Ok

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740		
ICV Standard	MP86863,MP86788		
CCV Standard	MP86794		
ICSA Standard	MP86746,MP86747		
CRI Standard			
LCS Standard			
Chk Standard	MP86750,MP86748		

19	Q2126-16	LLOQ-SOIL-QT2-202	SAM	08/21/25 13:14		Jaswal	Not Ok
20	Q2126-02	LOQ-SOIL-02-QT2-20	LOQ	08/21/25 13:20		Jaswal	Not Ok
21	Q2126-01RE	LOD-MDL-SOIL-03-Q	SAM	08/21/25 13:27		Jaswal	Not Ok
22	Q2126-07	LOD-MDL-WATER-01	SAM	08/21/25 13:30		Jaswal	Not Ok
23	Q2126-08	LOQ-WATER-02-QT2	LOQ	08/21/25 13:34		Jaswal	Not Ok
24	Q2126-08RE	LOQ-WATER-02-QT2	SAM	08/21/25 13:37		Jaswal	Not Ok
25	CCV02	CCV02	CCV	08/21/25 13:40		Jaswal	OK
26	CCB02	CCB02	CCB	08/21/25 13:43		Jaswal	OK
27	PB169250BL	PB169250BL	MB	08/21/25 13:46		Jaswal	OK
28	PB169250BS	PB169250BS	LCS	08/21/25 13:50		Jaswal	OK
29	PB169323BL	PB169323BL	MB	08/21/25 13:52		Jaswal	OK
30	PB169323BS	PB169323BS	LCS	08/21/25 13:56		Jaswal	OK
31	Q2878-01	MW-18B-57.5-081325	SAM	08/21/25 13:58		Jaswal	OK
32	Q2878-01DUP	MW-18B-57.5-081325	DUP	08/21/25 14:02		Jaswal	OK
33	Q2878-01L	MW-18B-57.5-081325	SD	08/21/25 14:05		Jaswal	OK
34	Q2878-01MS	MW-18B-57.5-081325	MS	08/21/25 14:08		Jaswal	OK
35	Q2878-01MSD	MW-18B-57.5-081325	MSD	08/21/25 14:11		Jaswal	OK
36	Q2878-01A	MW-18B-57.5-081325	PS	08/21/25 14:14	0.1 ML OF MP86790 AND 0.2ML OF EACH MP86791,MP86792 AND MP86793 IN 10ML SAMPLE.	Jaswal	OK

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740		
ICV Standard	MP86863,MP86788		
CCV Standard	MP86794		
ICSA Standard	MP86746,MP86747		
CRI Standard			
LCS Standard			
Chk Standard	MP86750,MP86748		

37	CCV03	CCV03	CCV	08/21/25 14:32		Jaswal	OK
38	CCB03	CCB03	CCB	08/21/25 14:34		Jaswal	OK
39	Q2878-02	MW-18B-57.5-081325	SAM	08/21/25 14:39		Jaswal	OK
40	Q2890-01DL	60296DL	SAM	08/21/25 14:42		Jaswal	OK
41	Q2890-02DL	60295DL	SAM	08/21/25 14:45	Fe,Mn high	Jaswal	Dilution
42	Q2890-03DL	60272DL	SAM	08/21/25 14:48	K high	Jaswal	Dilution
43	Q2906-01DL	3409DL	SAM	08/21/25 14:51		Jaswal	OK
44	Q2890-02DL2	60295DL2	SAM	08/21/25 15:06	25X for Fe, Mn	Jaswal	Confirms
45	Q2890-03DL2	60272DL2	SAM	08/21/25 15:09	25X for K	Jaswal	Confirms
46	CCV04	CCV04	CCV	08/21/25 15:12		Jaswal	OK
47	CCB04	CCB04	CCB	08/21/25 15:18		Jaswal	OK



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite 100
CITY: Morrisstown STATE: NJ ZIP: 07960
ATTENTION: John Yfant John Yfant@Jacobs.com
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PFC
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
Project Manager: Mary Murphy
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

1. Site Specific VOCs
2. 1,4 Dioxane
3. Total PCBs
4. Metals
5. Dissolved
6. Alkalinity (5M23208)
7. TDS (5M25106)
8. Anions (9056)
9. Trace VOCs (5M25106)

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		A/E	E	B/E	B/E	E	E	E	A/E		← Specify Preservatives A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
								1	2	3	4	5	6	7	8	9		
1.	MW-18B-57.5-081325	GW		X	8/13/25	1545	9	X	X	X	X	X	X	X				
2.	MW-18B-57.5-081325-SIM	GW		X	8/13/25	1548	2								X			
3.	MW-11A-37.5-081425	GW		X	8/14/25	1637	4	X	X									
4.	TB01-081425	DI		X	8/14/25	1200	2	X										
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>8/14/25</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.1.6 °C</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	Comments: <u>See Work order for list of site specific VOCs</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 3. <u>[Signature]</u>	Page <u>1</u> of <u>1</u> CLIENT: ☐ Hand Delivered ☐ Other <u>If Can #1</u>

Shipment Complete ☐ YES ☐ NO

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	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2878	JACO05	Order Date : 8/14/2025 3:49:00 PM	Project Mgr : Level 3
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : Level 4
Client Contact : John Ynfante		Receive DateTime : 8/14/2025 3:42:00 PM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou		Purchase Order :	Hard Copy Date :
Invoice Contact : John Ynfante			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2878-01	MW-18B-57.5-081325	Water	08/14/2025 08/13/2025	15:45		VOCMS Group3	8260-Low	10 Bus. Days	
Q2878-03	MW-18B-57.5-081325-SIM	Water	08/14/2025 08/13/2025	15:48		VOC-SIM	SFAM_VOCSIM	10 Bus. Days	
Q2878-05	MW-11A-37.5-081425	Water	08/14/2025	10:37		VOCMS Group3	8260-Low	10 Bus. Days	
Q2878-06	TB01-081425	Water	08/14/2025	12:00		VOCMS Group3	8260-Low	10 Bus. Days	

Relinquished By : 

Date / Time :

8/14/25 16:05

Received By : 

Date / Time :

8/14/25 16:05

Storage Area : VOA Refridgerator Room