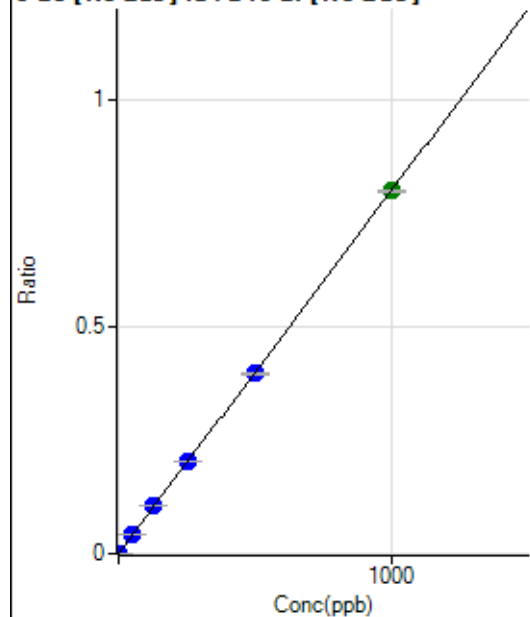


Calibration for 005CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7010625MS-2.b\
 Analysis File: P7010625MS-2.batch.bin
 DA Date-Time: 2025-01-06 18:36:57
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-01-06 13:15:48
2	006CALS.d	S02	2025-01-06 13:22:19
3	007CALS.d	S03	2025-01-06 13:25:33
4	008CALS.d	S04	2025-01-06 13:28:35
5	009CALS.d	S05	2025-01-06 13:31:26
6	010CALS.d	S06	2025-01-06 13:34:14
7	011CALS.d	S07	2025-01-06 13:36:58
8	012CALS.d	S08	2025-01-06 13:39:44

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	46.67	0.0000	P	16.4
2	☐	1.000	1.150	1392.30	0.0010	P	6.0
3	☐	50.000	53.242	66067.36	0.0427	P	0.9
4	☐	125.000	131.178	167791.63	0.1051	P	1.7
5	☐	250.000	255.886	332799.06	0.2049	P	0.6
6	☐	500.000	497.001	643673.71	0.3980	P	1.0
7	☐	1000.000	999.094	1286716.94	0.8001	A	0.5
8	☐			288.89	0.0002	P	7.4

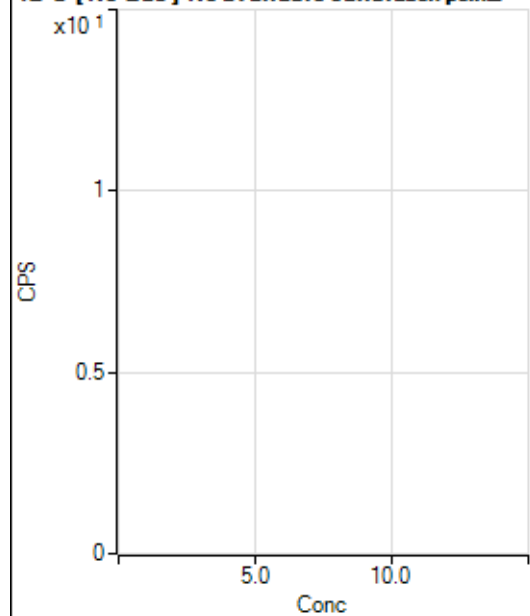
$$y = 8.0078\text{E-}004 * x + 3.1968\text{E-}005$$

$$R = 1.0000$$

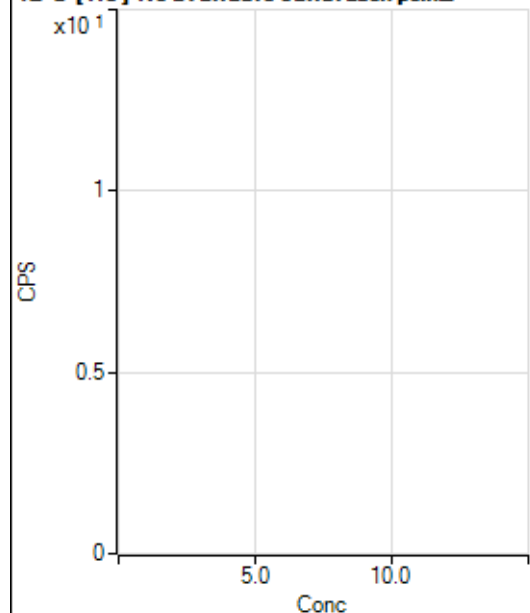
$$DL = 0.01967$$

Weight: <None>

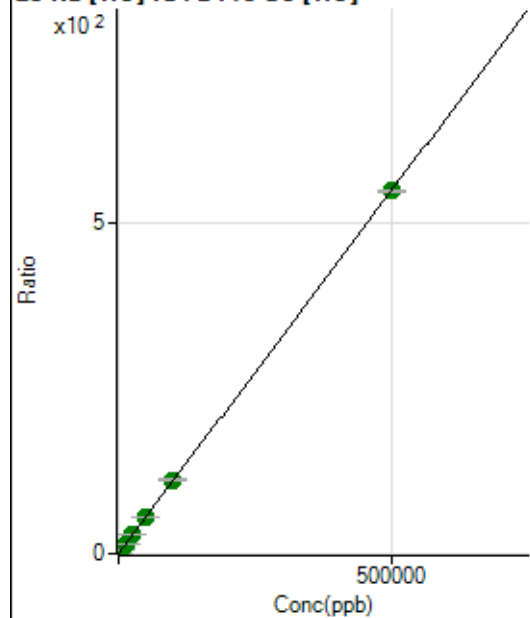
Min Conc: 0

12 C [No Gas] No available calibration points

	R _j 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	22790.26	0.0376	P	1.1
2	☐	500.000	502.388	358119.54	0.5876	P	0.4
3	☐	5000.000	5081.432	3241270.65	5.6008	A	0.3
4	☐	12500.000	12650.755	7551599.96	13.8879	A	0.4
5	☐	25000.000	25377.763	14329896.04	27.8217	A	0.7
6	☐	50000.000	50467.395	27071141.54	55.2905	A	0.5
7	☐	100000.00	101600.68	54519125.30	111.2724	A	0.8
8	☐	500000.00	499609.65	285106755.7	547.0222	A	0.8

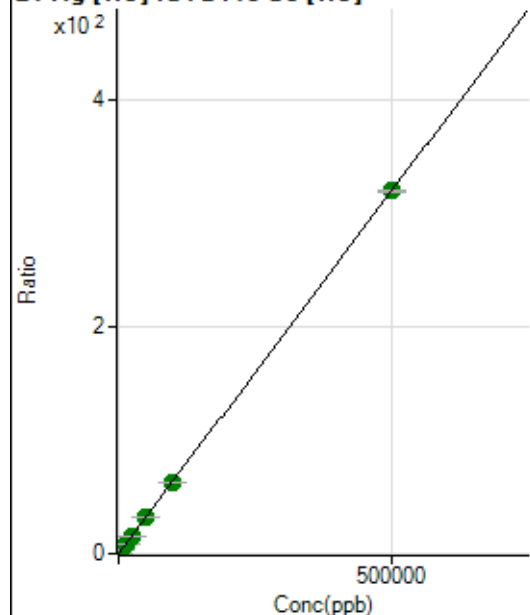
$$y = 0.0011 * x + 0.0376$$

$$R = 1.0000$$

$$DL = 1.172$$

Weight: <None>

Min Conc: 0

24 Mg [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	474.46	0.0008	P	3.9
2	☐	500.000	542.805	212306.68	0.3484	P	0.9
3	☐	5000.000	5041.380	1868606.03	3.2289	A	0.8
4	☐	12500.000	12434.797	4329863.16	7.9630	A	0.4
5	☐	25000.000	24944.912	8227330.30	15.9735	A	0.5
6	☐	50000.000	49645.281	15564722.96	31.7896	A	0.5
7	☐	100000.00	99202.586	31124098.42	63.5220	A	0.1
8	☐	500000.00	500198.88	166933818.6	320.2874	A	0.6

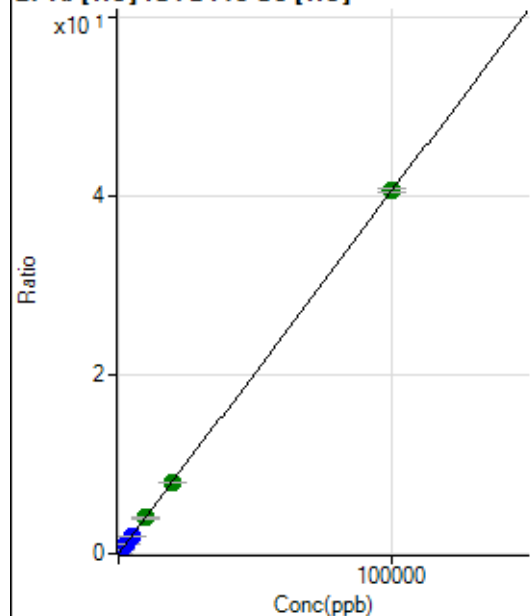
$$y = 6.4032E-004 * x + 7.8213E-004$$

$$R = 1.0000$$

$$DL = 0.1435$$

Weight: <None>

Min Conc: 0

27 Al [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	128.89	0.0002	P	31.1
2	☐	20.000	20.074	5090.89	0.0084	P	0.6
3	☐	1000.000	978.350	229718.03	0.3969	P	0.5
4	☐	2500.000	2426.221	535092.60	0.9841	P	0.4
5	☐	5000.000	4856.611	1014488.86	1.9696	P	0.3
6	☐	10000.000	9839.536	1953710.89	3.9903	A	0.5
7	☐	20000.000	19511.125	3876704.11	7.9123	A	0.6
8	☐	100000.00	100123.05	21161341.07	40.6016	A	1.0

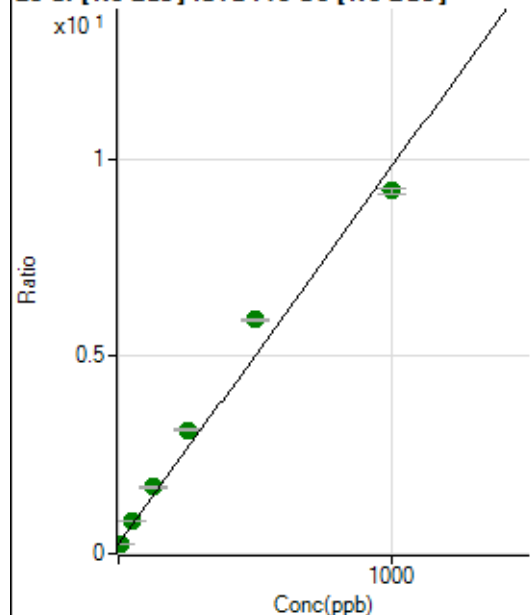
$$y = 4.0551E-004 * x + 2.1258E-004$$

$$R = 1.0000$$

$$DL = 0.4889$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1664055.79	0.2483	A	1.2
2	☐	10.000	-0.102	1659818.21	0.2474	A	0.8
3	☐	50.000	59.534	5483464.85	0.8168	A	0.2
4	☐	125.000	150.369	10860420.19	1.6840	A	0.9
5	☐	250.000	301.513	19353166.52	3.1271	A	1.0
6	☐	500.000	594.265	34979055.59	5.9221	A	1.4
7	☐	1000.000	936.443	53423231.98	9.1891	A	1.4
8	☐			1309128.99	0.2150	A	4.1

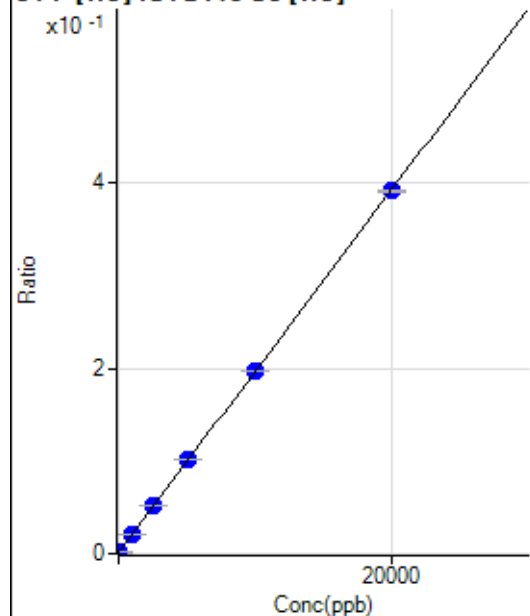
$$y = 0.0095 * x + 0.2483$$

$$R = 0.9909$$

$$DL = 0.9541$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-16.159	431.12	0.0007	P	8.1
2	☐	0.000	16.159	818.92	0.0013	P	3.2
3	☐	1000.000	1042.279	12407.34	0.0214	P	2.2
4	☐	2500.000	2589.259	28129.24	0.0517	P	1.1
5	☐	5000.000	5159.396	52570.91	0.1021	P	1.0
6	☐	10000.000	9993.812	96328.06	0.1967	P	0.5
7	☐	20000.000	19949.973	191928.77	0.3917	P	0.4
8	☐			490.01	0.0009	P	2.9

$$y = 1.9584E-005 * x + 0.0010$$

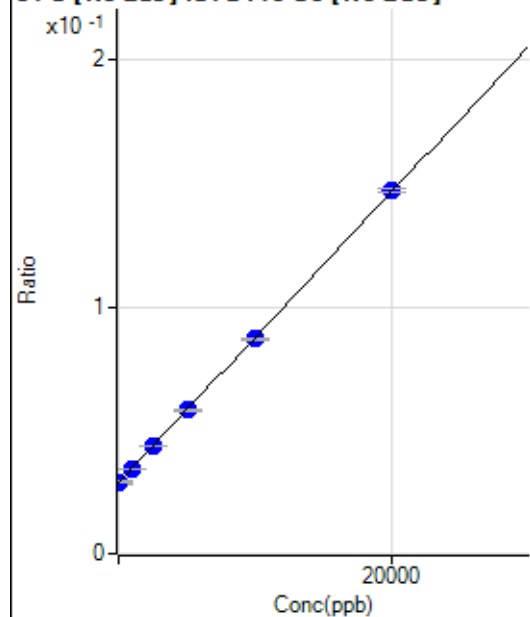
$$R = 1.0000$$

$$DL = 7.682$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-56.298	190865.53	0.0285	P	1.7
2	☐	0.000	56.298	195575.35	0.0291	P	1.2
3	☐	1000.000	940.276	230646.25	0.0344	P	0.1
4	☐	2500.000	2480.208	280044.64	0.0434	P	0.5
5	☐	5000.000	5006.110	360781.75	0.0583	P	0.9
6	☐	10000.000	9884.056	514001.97	0.0870	P	1.1
7	☐	20000.000	20061.905	854365.25	0.1470	P	1.0
8	☐			157222.27	0.0258	P	2.5

$$y = 5.8884\text{E-}006 * x + 0.0288$$

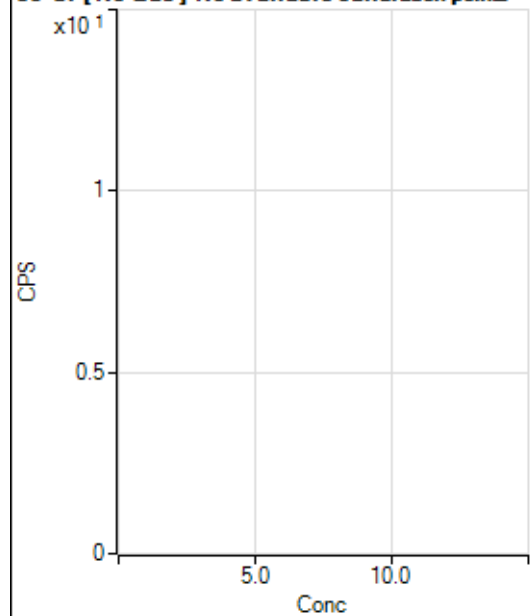
$$R = 1.0000$$

$$DL = 208.1$$

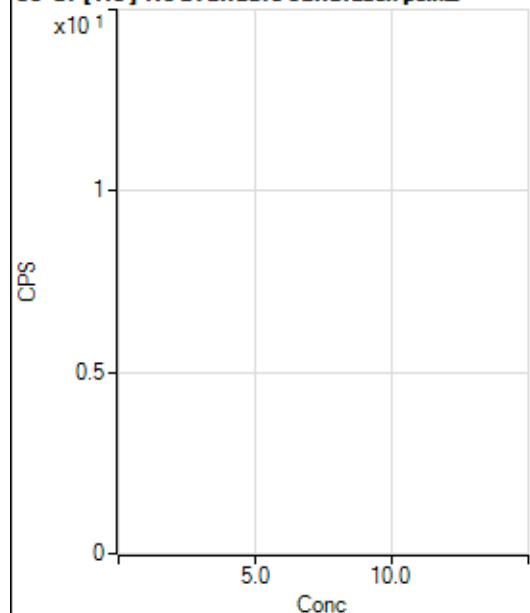
Weight: <None>

Min Conc: 0

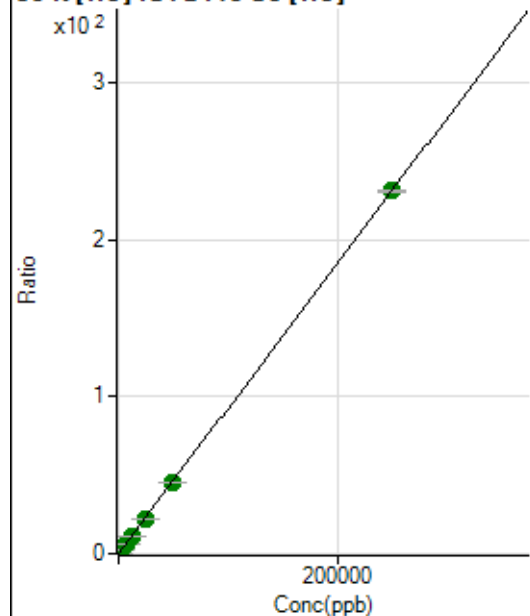
35 Cl [No Gas] No available calibration points



	R _j 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	60023.18	0.0989	P	0.6
2	☐	500.000	538.130	363327.36	0.5961	P	0.4
3	☐	2500.000	2516.030	1402553.99	2.4236	A	0.4
4	☐	6250.000	6152.774	3144827.94	5.7837	A	0.7
5	☐	12500.000	12263.866	5887125.89	11.4299	A	0.2
6	☐	25000.000	24340.944	11059554.28	22.5883	A	0.3
7	☐	50000.000	48677.834	22084902.17	45.0739	A	0.4
8	☐	250000.00	250344.33	120607013.7	231.3999	A	0.4

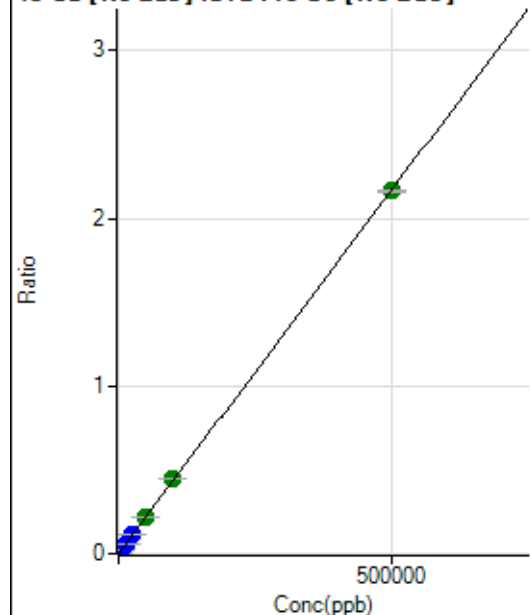
$$y = 9.2393\text{E-}004 * x + 0.0989$$

$$R = 1.0000$$

$$DL = 1.992$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	524.46	0.0001	P	10.4
2	☐	500.000	560.186	16822.75	0.0025	P	2.3
3	☐	5000.000	5338.127	155913.86	0.0232	P	1.3
4	☐	12500.000	13402.413	375272.54	0.0582	P	1.5
5	☐	25000.000	26829.819	720423.31	0.1164	P	1.6
6	☐	50000.000	51314.866	1314774.28	0.2226	A	0.4
7	☐	100000.00	103310.49	2604986.26	0.4480	A	0.5
8	☐	500000.00	499088.92	13175815.50	2.1642	A	0.9

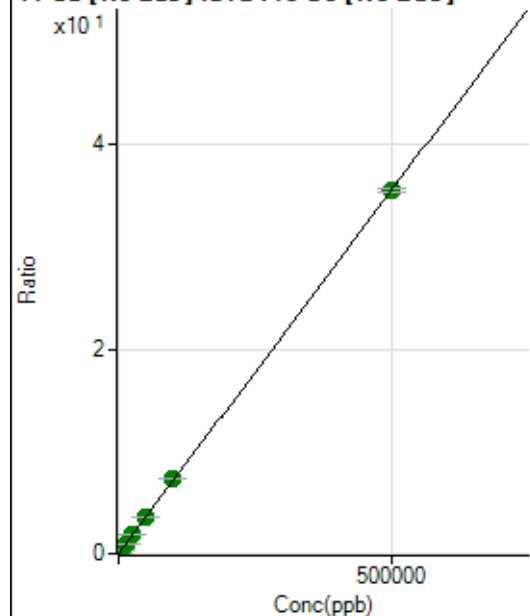
$$y = 4.3361E-006 * x + 7.8200E-005$$

$$R = 1.0000$$

$$DL = 5.625$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11287.61	0.0017	P	3.3
2	☐	500.000	559.090	277652.05	0.0414	P	0.8
3	☐	5000.000	5067.629	2426878.78	0.3615	A	0.9
4	☐	12500.000	12723.713	5837126.44	0.9051	A	1.0
5	☐	25000.000	25531.539	11229573.72	1.8145	A	0.2
6	☐	50000.000	51137.512	21456454.12	3.6325	A	0.8
7	☐	100000.00	102907.25	42490912.42	7.3083	A	0.6
8	☐	500000.00	499271.89	215833263.4	35.4508	A	1.0

$$y = 7.1002E-005 * x + 0.0017$$

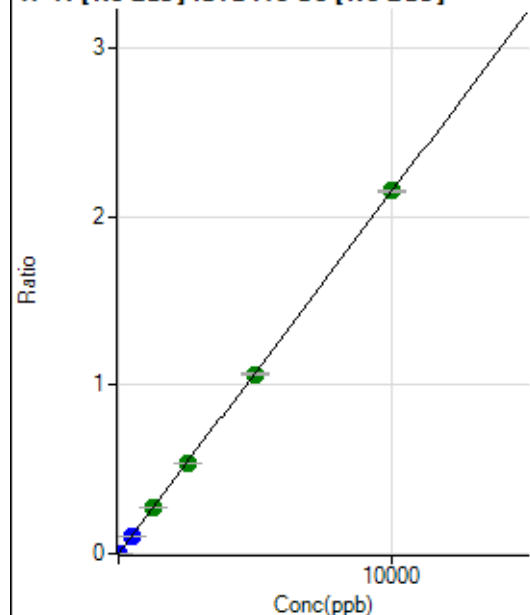
$$R = 1.0000$$

$$DL = 2.362$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	94.44	0.0000	P	32.5
2	☐	5.000	5.343	7805.41	0.0012	P	1.4
3	☐	500.000	495.316	715331.40	0.1066	P	1.1
4	☐	1250.000	1261.198	1749709.17	0.2713	A	0.1
5	☐	2500.000	2484.560	3307472.31	0.5344	A	0.5
6	☐	5000.000	4958.130	6299569.77	1.0665	A	1.2
7	☐	10000.000	10023.629	12535350.23	2.1560	A	0.7
8	☐			1685.67	0.0003	P	4.7

$$y = 2.1509\text{E-}004 * x + 1.4074\text{E-}005$$

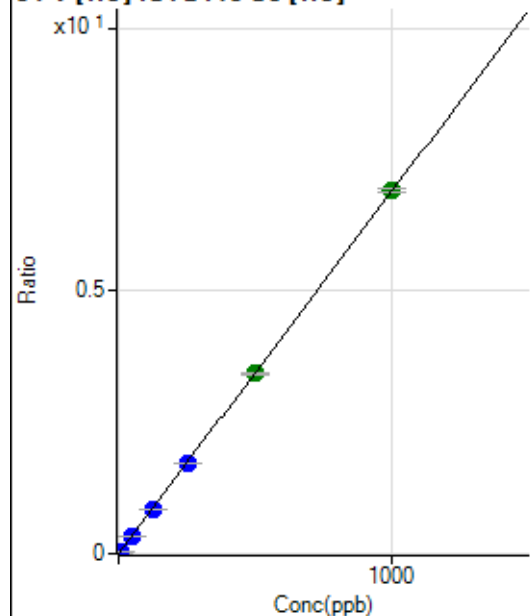
$$R = 1.0000$$

$$DL = 0.06381$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	13.33	0.0000	P	25.4
2	☐	5.000	5.300	22247.58	0.0365	P	1.4
3	☐	50.000	50.004	199196.94	0.3442	P	0.3
4	☐	125.000	124.165	464725.39	0.8547	P	0.3
5	☐	250.000	247.796	878515.65	1.7056	P	0.5
6	☐	500.000	496.799	1674265.06	3.4196	A	0.8
7	☐	1000.000	1002.254	3380045.43	6.8987	A	1.2
8	☐			793.37	0.0015	P	7.2

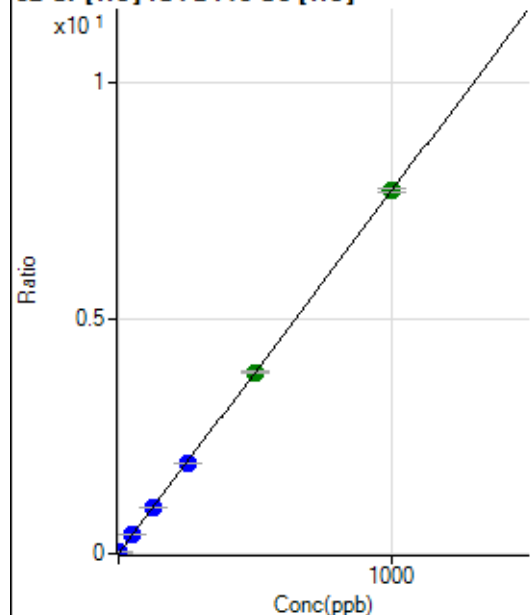
$$y = 0.0069 * x + 2.1991\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.00243$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3271.50	0.0054	P	3.4
2	☐	2.000	2.176	13492.78	0.0221	P	1.2
3	☐	50.000	50.412	227634.85	0.3933	P	0.5
4	☐	125.000	125.642	528669.29	0.9723	P	0.8
5	☐	250.000	250.137	994258.28	1.9304	P	0.6
6	☐	500.000	499.701	1885472.40	3.8509	A	0.4
7	☐	1000.000	1000.014	3773288.73	7.7012	A	0.9
8	☐			8773.85	0.0168	P	9.7

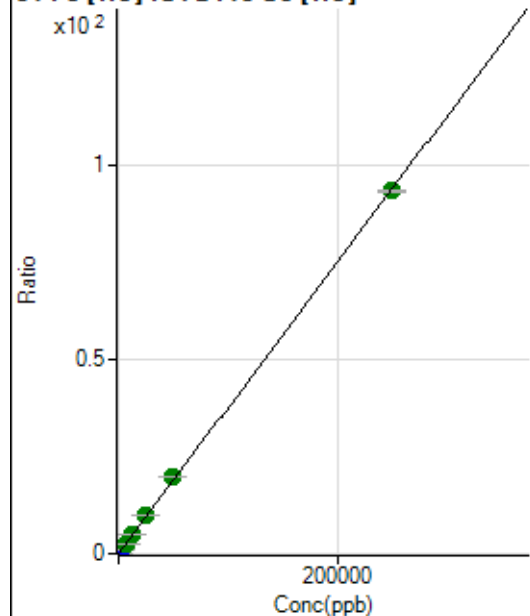
$$y = 0.0077 * x + 0.0054$$

$$R = 1.0000$$

$$DL = 0.07129$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3093.69	0.0051	P	1.4
2	☐	50.000	58.449	16466.86	0.0270	P	1.4
3	☐	2500.000	2743.953	598430.77	1.0341	P	0.2
4	☐	6250.000	6652.082	1359206.37	2.4996	A	0.4
5	☐	12500.000	13418.686	2594445.26	5.0371	A	0.2
6	☐	25000.000	26856.598	4933535.28	10.0763	A	0.3
7	☐	50000.000	52868.618	9716532.77	19.8309	A	0.4
8	☐	250000.00	249182.18	48706115.94	93.4486	A	0.4

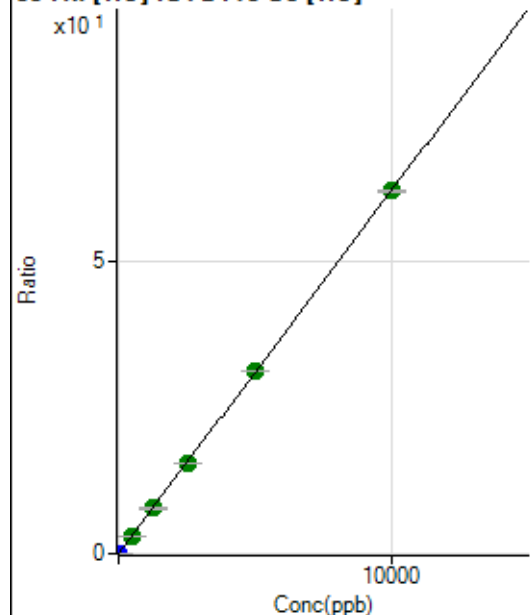
$$y = 3.7500E-004 * x + 0.0051$$

$$R = 0.9999$$

$$DL = 0.5715$$

Weight: <None>

Min Conc: 0

⁵⁵Mn [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	394.45	0.0007	P	5.1
2	☐	1.000	1.705	6830.50	0.0112	P	2.2
3	☐	500.000	500.361	1793225.56	3.0987	A	0.6
4	☐	1250.000	1245.605	4193864.52	7.7130	A	1.0
5	☐	2500.000	2500.832	7975638.35	15.4849	A	0.4
6	☐	5000.000	5019.120	15215918.24	31.0773	A	0.2
7	☐	10000.000	9990.763	30310094.83	61.8599	A	0.8
8	☐			15551.45	0.0298	P	0.8

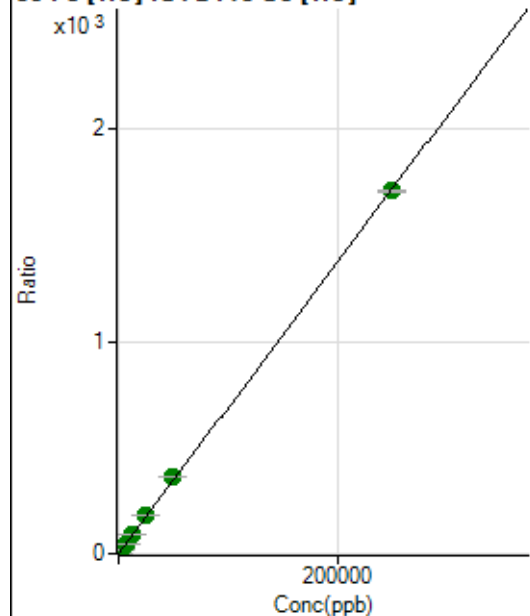
$$y = 0.0062 * x + 6.5027E-004$$

$$R = 1.0000$$

$$DL = 0.0161$$

Weight: <None>

Min Conc: 0

⁵⁶Fe [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	25084.29	0.0413	P	1.0
2	☐	50.000	57.213	264278.94	0.4336	P	0.4
3	☐	2500.000	2642.208	10507797.07	18.1573	A	0.4
4	☐	6250.000	6551.634	24448049.92	44.9619	A	0.5
5	☐	12500.000	13225.935	46727907.08	90.7235	A	0.4
6	☐	25000.000	26391.027	88614538.68	180.9884	A	0.2
7	☐	50000.000	52589.354	176689935.1	360.6142	A	0.2
8	☐	250000.00	249297.76	890918484.5	1,709.322	A	0.3

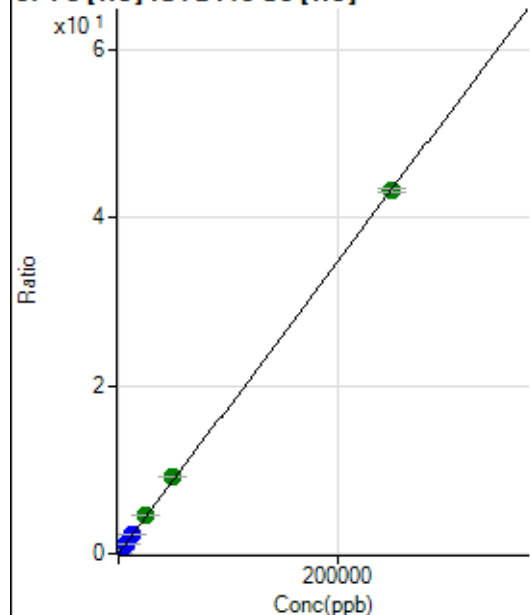
$$y = 0.0069 * x + 0.0413$$

$$R = 0.9999$$

$$DL = 0.1804$$

Weight: <None>

Min Conc: 0

⁵⁷Fe [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1830.13	0.0030	P	2.5
2	☐	50.000	60.093	8175.62	0.0134	P	2.6
3	☐	2500.000	2721.561	274276.29	0.4739	P	1.0
4	☐	6250.000	6778.252	639380.04	1.1759	P	0.6
5	☐	12500.000	13537.689	1208061.13	2.3455	P	0.3
6	☐	25000.000	26443.872	2241789.86	4.5787	A	0.7
7	☐	50000.000	52462.960	4449344.03	9.0808	A	0.3
8	☐	250000.00	249295.71	22483804.39	43.1392	A	0.9

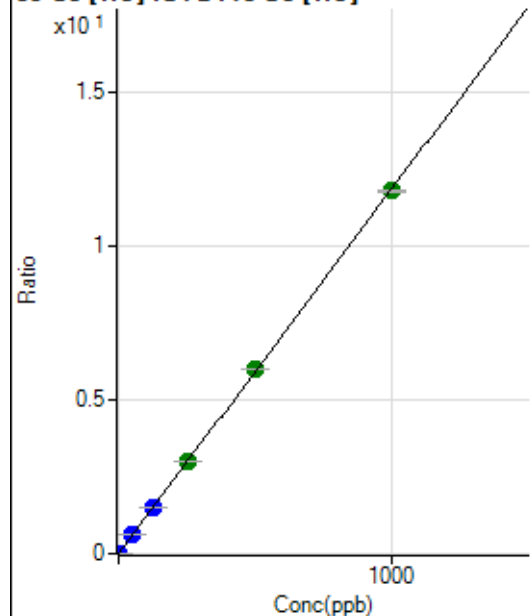
$$y = 1.7303\text{E-}004 * x + 0.0030$$

$$R = 0.9999$$

$$DL = 1.291$$

Weight: <None>

Min Conc: 0

⁵⁹Co [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	235.56	0.0004	P	10.7
2	☐	1.000	1.136	8451.32	0.0139	P	2.0
3	☐	50.000	50.895	349565.08	0.6041	P	0.7
4	☐	125.000	126.226	814280.83	1.4975	P	0.6
5	☐	250.000	253.154	1546733.00	3.0030	A	1.5
6	☐	500.000	507.054	2944806.66	6.0145	A	0.8
7	☐	1000.000	995.487	5785605.96	11.8078	A	0.8
8	☐			17460.26	0.0335	P	1.6

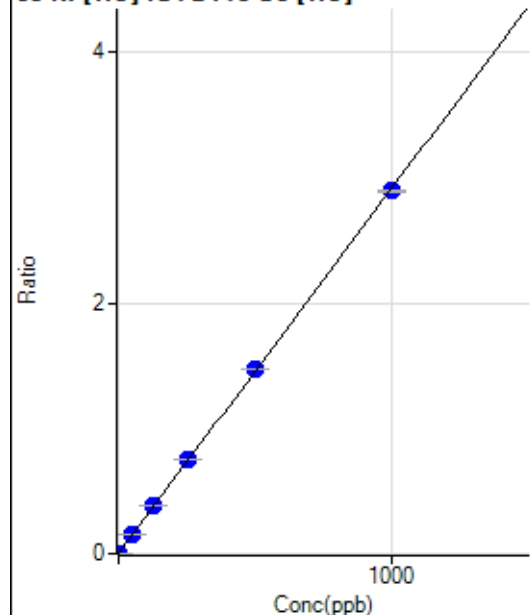
$$y = 0.0119 * x + 3.8820\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.01052$$

Weight: <None>

Min Conc: 0

60 Ni [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1013.38	0.0017	P	2.3
2	☐	1.000	1.087	2944.77	0.0048	P	2.3
3	☐	50.000	52.326	89020.80	0.1538	P	0.2
4	☐	125.000	130.712	207584.50	0.3818	P	0.1
5	☐	250.000	257.225	386108.76	0.7496	P	0.8
6	☐	500.000	506.698	722211.80	1.4751	P	0.2
7	☐	1000.000	994.015	1417021.70	2.8921	P	0.5
8	☐			8106.71	0.0156	P	2.3

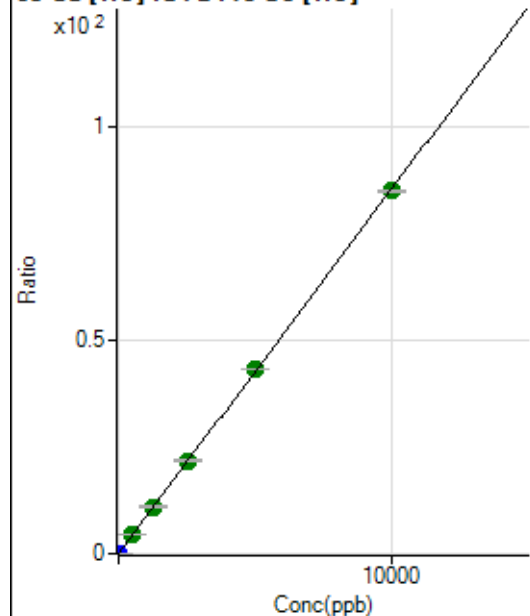
$$y = 0.0029 * x + 0.0017$$

$$R = 0.9999$$

$$DL = 0.04041$$

Weight: <None>

Min Conc: 0

63 Cu [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2912.54	0.0048	P	3.6
2	☐	2.000	2.060	13665.19	0.0224	P	1.8
3	☐	500.000	521.554	2584002.38	4.4651	A	0.7
4	☐	1250.000	1286.747	5986102.20	11.0090	A	1.2
5	☐	2500.000	2557.103	11265864.42	21.8731	A	1.1
6	☐	5000.000	5052.872	21159676.21	43.2168	A	0.4
7	☐	10000.000	9953.617	41709553.83	85.1279	A	0.5
8	☐			11630.14	0.0223	P	1.1

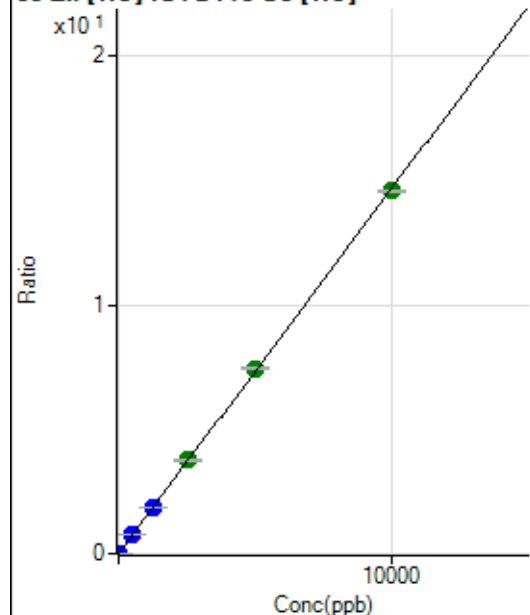
$$y = 0.0086 * x + 0.0048$$

$$R = 1.0000$$

$$DL = 0.05984$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD: ⁴⁵Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	205.56	0.0003	P	2.7
2	☐	5.000	5.395	5026.44	0.0082	P	0.7
3	☐	500.000	506.720	430074.28	0.7432	P	0.4
4	☐	1250.000	1269.031	1011693.96	1.8606	P	0.9
5	☐	2500.000	2560.438	1933410.86	3.7538	A	1.1
6	☐	5000.000	5078.512	3645217.83	7.4451	A	0.5
7	☐	10000.000	9942.919	7141643.99	14.5759	A	0.7
8	☐			10574.95	0.0203	P	3.5

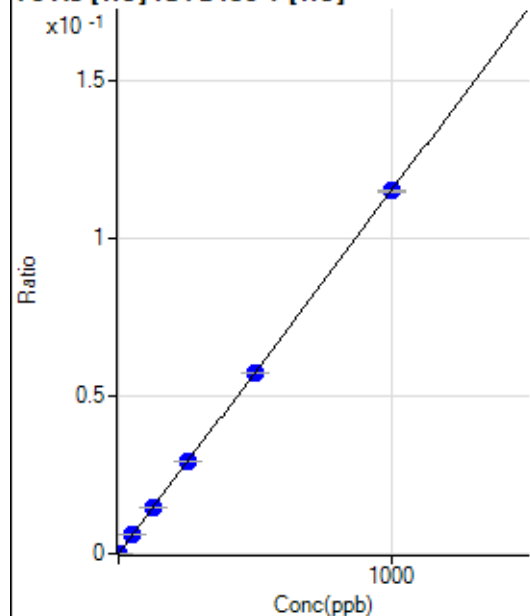
$$y = 0.0015 * x + 3.3884E-004$$

$$R = 0.9999$$

$$DL = 0.01869$$

Weight: <None>

Min Conc: 0

⁷⁵As [He] ISTD: ⁸⁹Y [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11.11	0.0000	P	76.2
2	☐	1.000	1.206	737.80	0.0001	P	5.7
3	☐	50.000	52.115	30328.76	0.0060	P	1.7
4	☐	125.000	128.182	71480.85	0.0147	P	0.3
5	☐	250.000	255.440	136185.10	0.0294	P	0.8
6	☐	500.000	498.023	256835.95	0.0572	P	0.7
7	☐	1000.000	999.125	512569.51	0.1148	P	0.8
8	☐			350.01	0.0001	P	4.5

$$y = 1.1494E-004 * x + 2.1320E-006$$

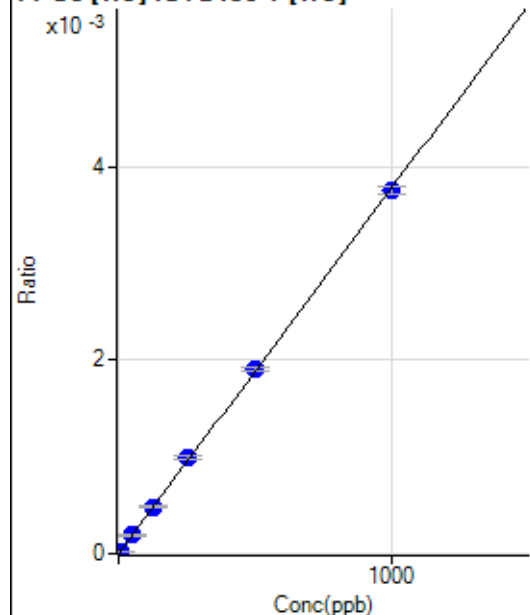
$$R = 1.0000$$

$$DL = 0.04238$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	4.707	93.33	0.0000	P	39.5
3	☐	50.000	51.675	987.82	0.0002	P	10.6
4	☐	125.000	128.593	2355.77	0.0005	P	5.4
5	☐	250.000	263.017	4607.43	0.0010	P	4.3
6	☐	500.000	506.459	8582.55	0.0019	P	2.2
7	☐	1000.000	992.985	16737.33	0.0038	P	2.2
8	☐			2.22	0.0000	P	86.6

$$y = 3.7768\text{E-}006 * x + 0.0000\text{E+}000$$

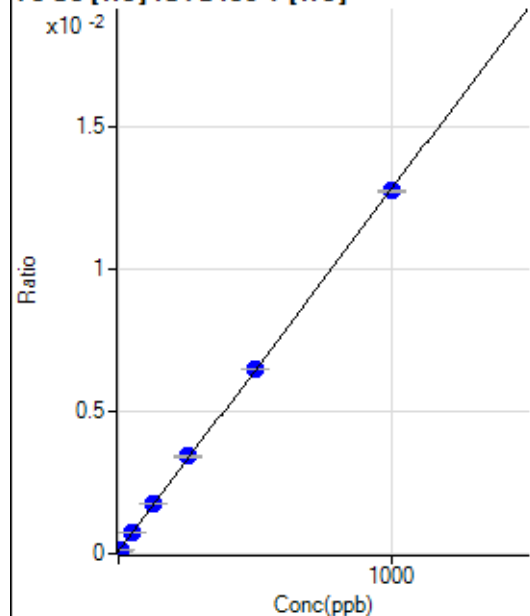
$$R = 0.9999$$

$$DL = 0$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	455.57	0.0001	P	6.1
2	☐	5.000	5.182	802.25	0.0002	P	11.9
3	☐	50.000	53.227	3867.21	0.0008	P	3.2
4	☐	125.000	130.905	8498.04	0.0018	P	1.0
5	☐	250.000	261.808	15847.48	0.0034	P	1.9
6	☐	500.000	502.646	29071.87	0.0065	P	0.6
7	☐	1000.000	994.825	56859.72	0.0127	P	0.4
8	☐			373.34	0.0001	P	5.8

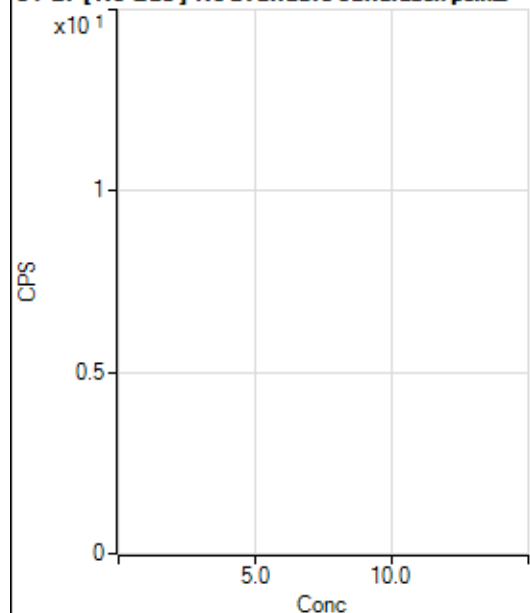
$$y = 1.2718\text{E-}005 * x + 8.7035\text{E-}005$$

$$R = 0.9999$$

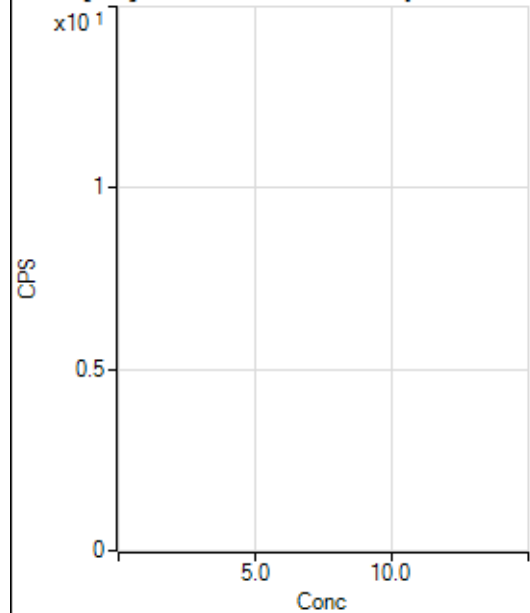
$$DL = 1.26$$

Weight: <None>

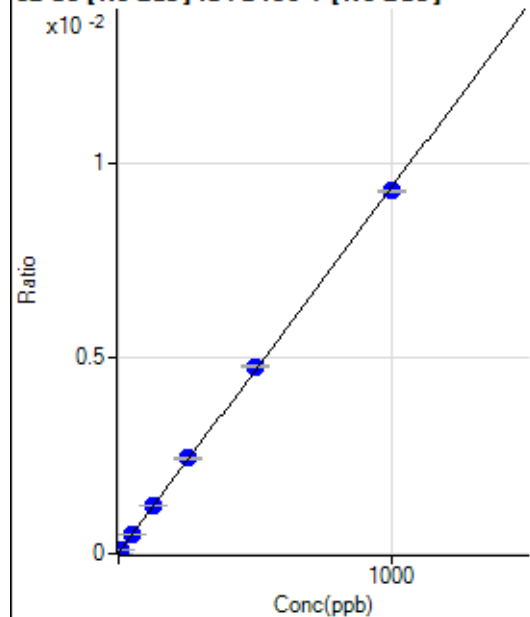
Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			15766.33		P	1.2
2	☐			15843.06		P	1.9
3	☐			15285.79		P	0.5
4	☐			14028.99		P	2.2
5	☐			13809.91		P	1.5
6	☐			12866.83		P	3.5
7	☐			12543.20		P	1.6
8	☐			12308.56		P	1.4

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			167.78		P	17.4
2	☐			166.67		P	14.0
3	☐			140.00		P	9.5
4	☐			94.45		P	4.1
5	☐			140.00		P	12.6
6	☐			117.78		P	17.1
7	☐			88.89		P	19.2
8	☐			126.67		P	37.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	388.16	0.0000	P	8.6
2	☐	5.000	5.937	1377.49	0.0001	P	0.5
3	☐	50.000	52.244	9069.62	0.0005	P	0.9
4	☐	125.000	130.543	21569.62	0.0012	P	0.6
5	☐	250.000	259.152	41398.59	0.0024	P	1.1
6	☐	500.000	511.168	78394.72	0.0048	P	0.9
7	☐	1000.000	991.318	150521.67	0.0093	P	0.3
8	☐			485.37	0.0000	P	7.3

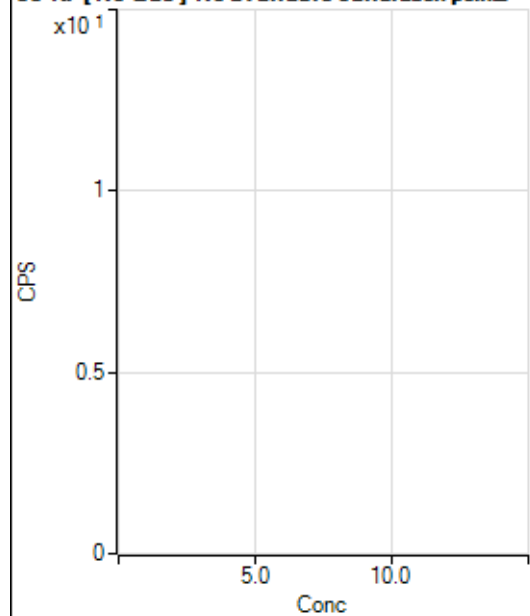
$$y = 9.3503\text{E-}006 * x + 2.1739\text{E-}005$$

$$R = 0.9999$$

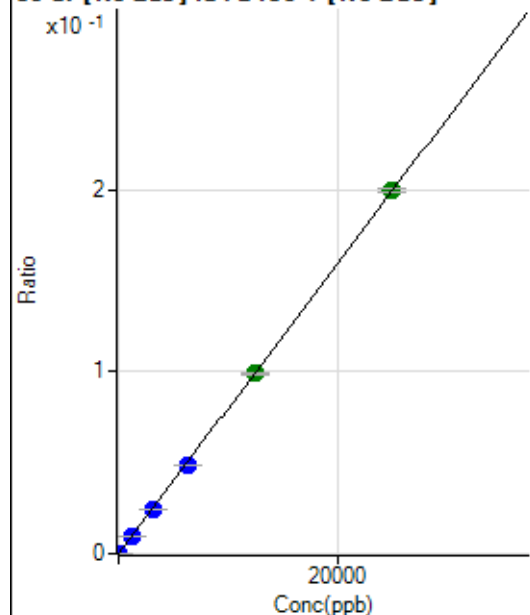
$$DL = 0.6015$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			215.56		P	20.2
2	☐			185.56		P	9.9
3	☐			196.67		P	3.4
4	☐			172.23		P	9.5
5	☐			165.56		P	5.1
6	☐			213.34		P	16.3
7	☐			175.56		P	12.6
8	☐			475.57		P	28.9

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	326.68	0.0000	P	10.3
2	☐	1.000	27.230	4183.96	0.0002	P	3.8
3	☐	1250.000	1225.236	173382.64	0.0098	P	0.5
4	☐	3125.000	3057.580	422112.11	0.0243	P	0.9
5	☐	6250.000	6091.769	819933.00	0.0484	P	0.9
6	☐	12500.000	12440.001	1614286.68	0.0989	A	1.0
7	☐	25000.000	25079.222	3228879.88	0.1993	A	1.0
8	☐			9823.37	0.0006	P	2.0

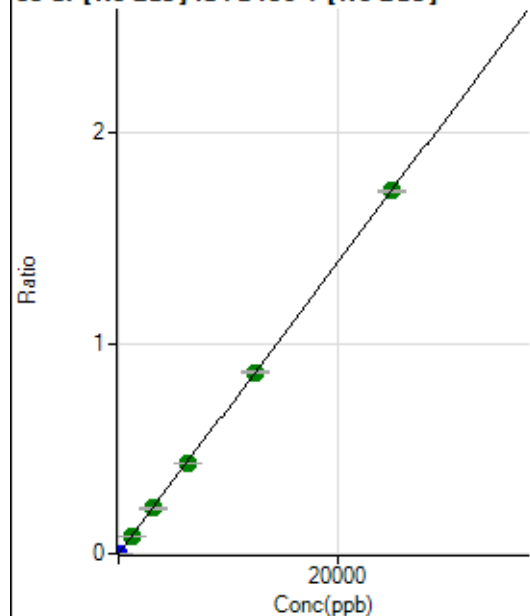
$$y = 7.9461\text{E-}006 * x + 1.8267\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.7084$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	160.01	0.0000	P	3.5
2	☐	1.000	26.176	32402.40	0.0018	P	1.3
3	☐	1250.000	1235.748	1517610.67	0.0854	A	0.3
4	☐	3125.000	3118.309	3740014.15	0.2154	A	0.8
5	☐	6250.000	6244.828	7304891.70	0.4314	A	0.9
6	☐	12500.000	12513.604	14114909.79	0.8645	A	0.5
7	☐	25000.000	24996.039	27975041.25	1.7268	A	0.5
8	☐			80425.97	0.0051	P	1.1

$$y = 6.9081\text{E-}005 * x + 8.9550\text{E-}006$$

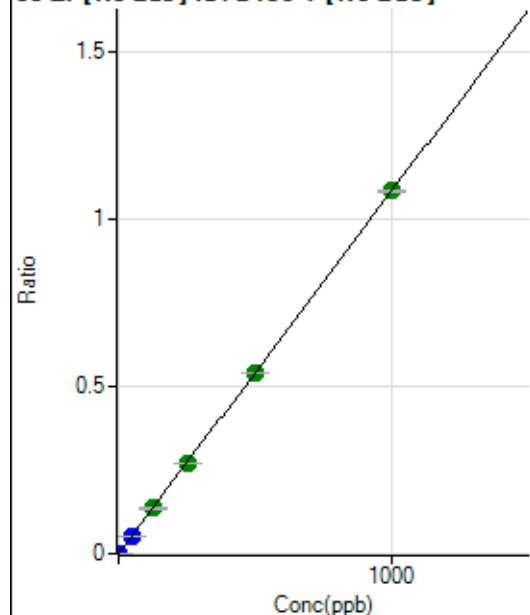
$$R = 1.0000$$

$$DL = 0.01356$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	926.70	0.0001	P	1.2
2	☐	1.000	1.024	20702.49	0.0012	P	0.9
3	☐	50.000	49.296	949990.58	0.0534	P	0.7
4	☐	125.000	125.126	2353742.57	0.1356	A	1.0
5	☐	250.000	248.242	4553616.01	0.2689	A	0.7
6	☐	500.000	498.747	8820964.73	0.5402	A	1.0
7	☐	1000.000	1001.085	17566641.82	1.0843	A	0.6
8	☐			10603.93	0.0007	P	1.5

$$y = 0.0011 * x + 5.1858E-005$$

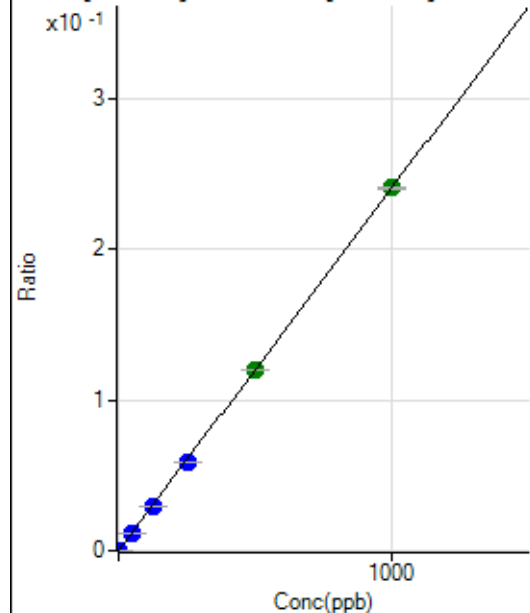
$$R = 1.0000$$

$$DL = 0.001739$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	112.22	0.0000	P	32.1
2	☐	1.000	1.026	4509.62	0.0003	P	3.2
3	☐	50.000	49.278	210705.22	0.0119	P	0.4
4	☐	125.000	123.034	513654.13	0.0296	P	0.3
5	☐	250.000	245.922	1001241.26	0.0591	P	0.6
6	☐	500.000	499.686	1961653.01	0.1201	A	0.3
7	☐	1000.000	1001.458	3900790.57	0.2408	A	0.8
8	☐			2346.88	0.0001	P	2.3

$$y = 2.4042E-004 * x + 6.2654E-006$$

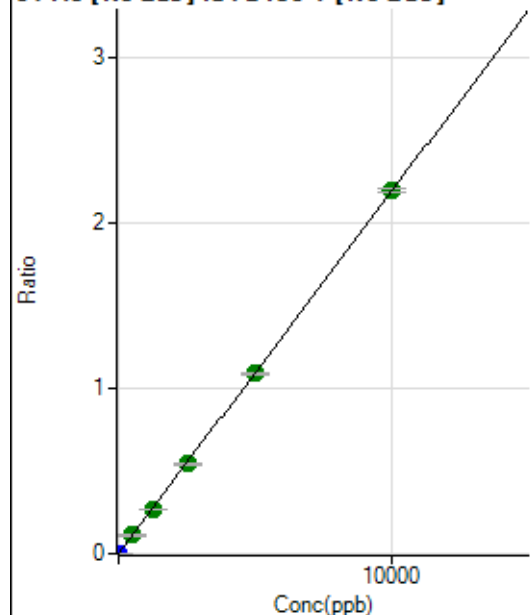
$$R = 1.0000$$

$$DL = 0.0251$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	451.12	0.0000	P	13.4
2	☐	5.000	6.052	24087.67	0.0014	P	0.6
3	☐	500.000	504.639	1965182.99	0.1106	A	1.0
4	☐	1250.000	1239.811	4714975.07	0.2716	A	0.6
5	☐	2500.000	2484.068	9213075.07	0.5441	A	1.2
6	☐	5000.000	4976.597	17798051.40	1.0901	A	1.5
7	☐	10000.000	10016.725	35544529.20	2.1940	A	0.9
8	☐			8389.14	0.0005	P	2.0

$$y = 2.1903\text{E-}004 * x + 2.5276\text{E-}005$$

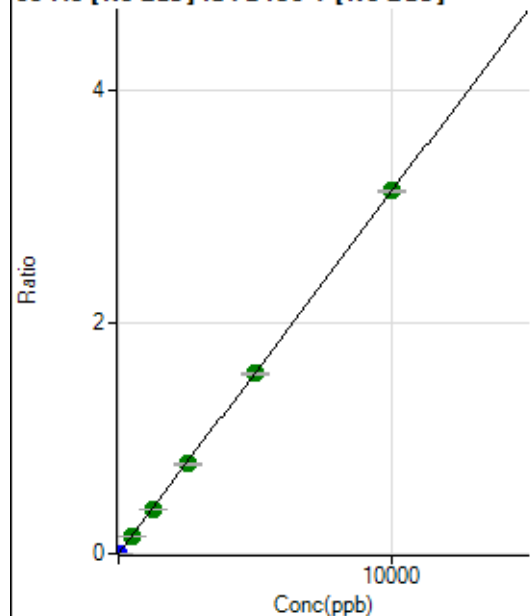
$$R = 1.0000$$

$$DL = 0.0465$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	452.23	0.0000	P	11.1
2	☐	5.000	5.168	29290.43	0.0016	P	1.8
3	☐	500.000	498.347	2772652.56	0.1560	A	1.3
4	☐	1250.000	1243.085	6754450.04	0.3891	A	0.5
5	☐	2500.000	2475.395	13117714.39	0.7747	A	1.1
6	☐	5000.000	4982.584	25460624.90	1.5594	A	1.2
7	☐	10000.000	10015.807	50781957.02	3.1345	A	0.3
8	☐			7776.58	0.0005	P	1.6

$$y = 3.1296\text{E-}004 * x + 2.5298\text{E-}005$$

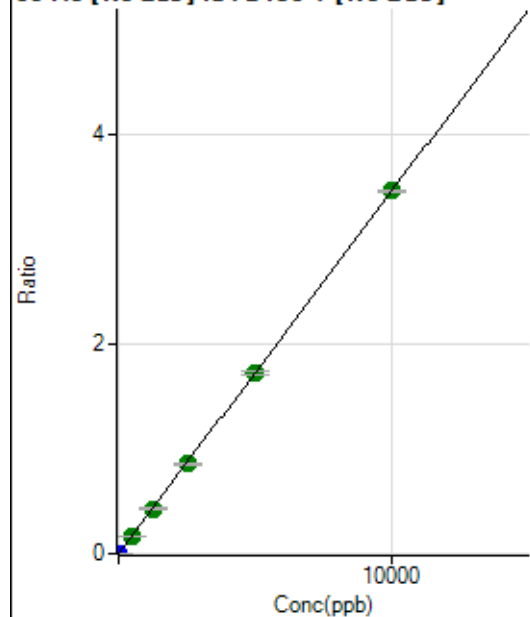
$$R = 1.0000$$

$$DL = 0.02685$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	467.79	0.0000	P	5.6
2	☐	5.000	5.326	33263.37	0.0019	P	1.2
3	☐	500.000	500.470	3072506.90	0.1729	A	1.1
4	☐	1250.000	1245.544	7467695.09	0.4301	A	0.8
5	☐	2500.000	2477.719	14487829.37	0.8556	A	1.6
6	☐	5000.000	4981.646	28088622.36	1.7203	A	1.5
7	☐	10000.000	10015.280	56031054.16	3.4586	A	0.6
8	☐			17187.97	0.0011	P	1.9

$$y = 3.4533\text{E-}004 * x + 2.6192\text{E-}005$$

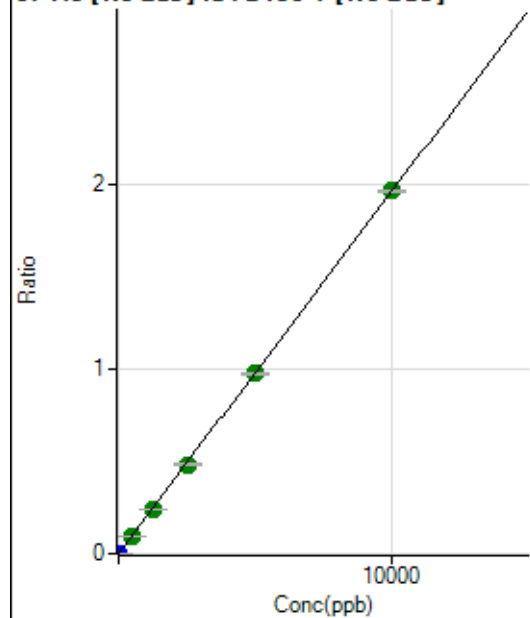
$$R = 1.0000$$

$$DL = 0.01267$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	302.23	0.0000	P	2.1
2	☐	5.000	5.151	18308.21	0.0010	P	1.1
3	☐	500.000	498.227	1736417.08	0.0977	A	0.6
4	☐	1250.000	1237.865	4213294.00	0.2427	A	1.1
5	☐	2500.000	2469.156	8196234.74	0.4841	A	0.6
6	☐	5000.000	4973.559	15919524.90	0.9750	A	1.2
7	☐	10000.000	10022.537	31830718.41	1.9648	A	0.5
8	☐			4720.81	0.0003	P	5.4

$$y = 1.9603\text{E-}004 * x + 1.6917\text{E-}005$$

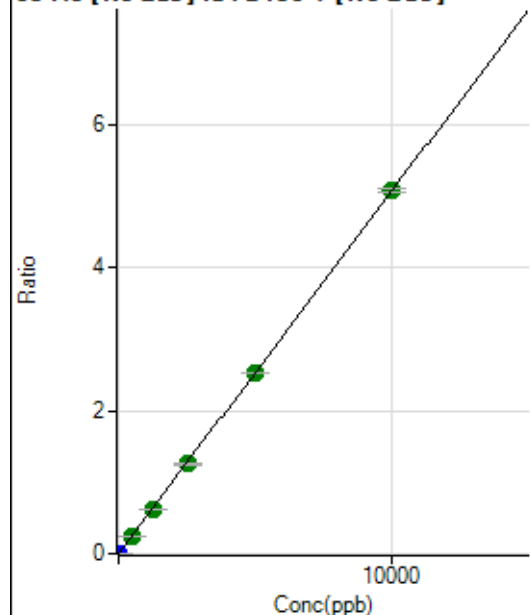
$$R = 1.0000$$

$$DL = 0.005412$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	685.58	0.0000	P	1.2
2	☐	5.000	5.141	47096.75	0.0026	P	0.9
3	☐	500.000	495.624	4461184.52	0.2510	A	1.0
4	☐	1250.000	1238.662	10888664.42	0.6272	A	0.4
5	☐	2500.000	2477.139	21236879.82	1.2542	A	0.9
6	☐	5000.000	4983.145	41195568.27	2.5230	A	0.6
7	☐	10000.000	10015.779	82153321.00	5.0711	A	1.0
8	☐			11370.08	0.0007	P	5.3

$$y = 5.0630E-004 * x + 3.8366E-005$$

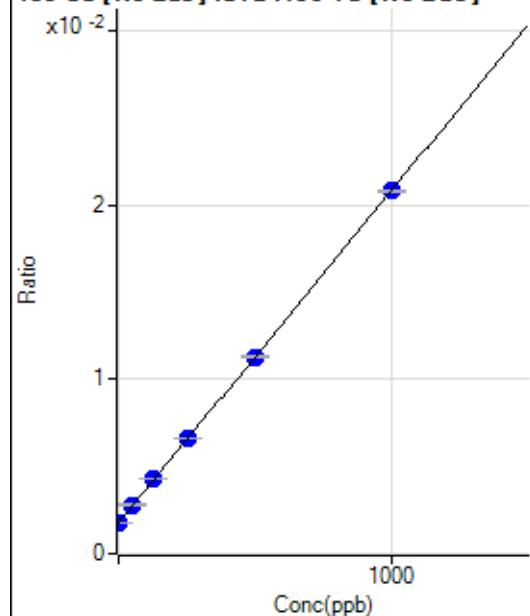
$$R = 1.0000$$

$$DL = 0.002773$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25469.04	0.0018	P	0.6
2	☐	1.000	-0.068	25774.02	0.0018	P	1.9
3	☐	50.000	54.304	40841.71	0.0028	P	1.2
4	☐	125.000	131.001	62056.18	0.0043	P	0.4
5	☐	250.000	253.776	96021.24	0.0066	P	0.6
6	☐	500.000	498.844	161881.46	0.0113	P	1.3
7	☐	1000.000	998.670	294276.52	0.0208	P	0.9
8	☐			22282.72	0.0017	P	1.2

$$y = 1.9069E-005 * x + 0.0018$$

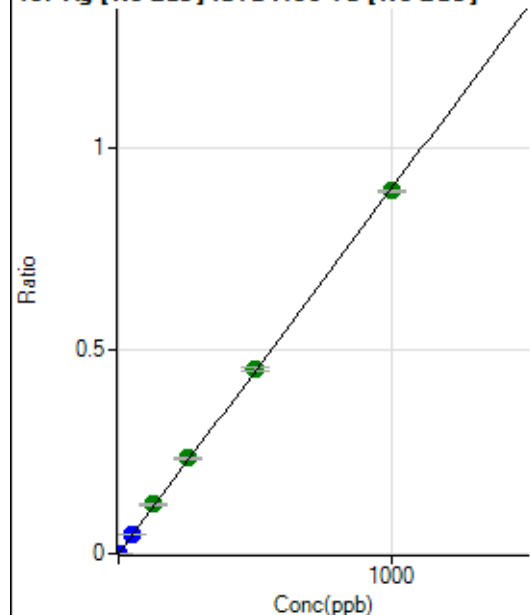
$$R = 1.0000$$

$$DL = 1.577$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	115.56	0.0000	P	20.4
2	☐	1.000	1.124	14826.59	0.0010	P	4.9
3	☐	50.000	54.855	717557.13	0.0493	P	0.2
4	☐	125.000	134.448	1756615.48	0.1209	A	1.1
5	☐	250.000	260.990	3407826.51	0.2346	A	1.3
6	☐	500.000	504.173	6502114.77	0.4532	A	1.7
7	☐	1000.000	993.742	12630183.70	0.8934	A	0.4
8	☐			2500.24	0.0002	P	7.4

$$y = 8.9897E-004 * x + 8.0341E-006$$

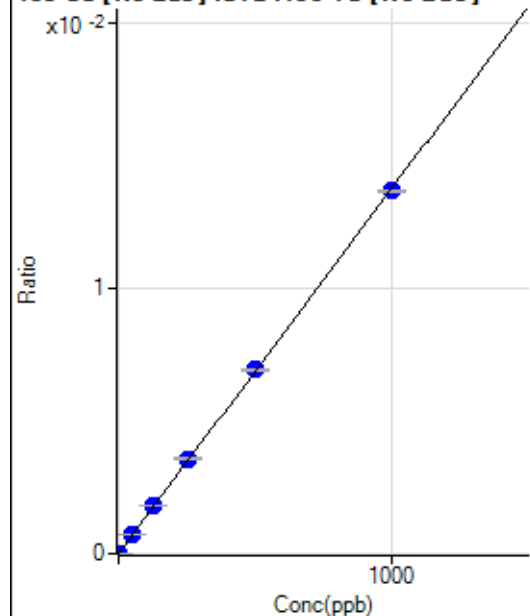
$$R = 0.9999$$

$$DL = 0.005465$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47.78	0.0000	P	5.3
2	☐	1.000	1.209	290.01	0.0000	P	8.6
3	☐	50.000	54.143	10864.15	0.0007	P	2.6
4	☐	125.000	133.505	26691.26	0.0018	P	0.3
5	☐	250.000	260.037	51909.07	0.0036	P	1.0
6	☐	500.000	503.434	99222.77	0.0069	P	0.6
7	☐	1000.000	994.503	193119.38	0.0137	P	0.6
8	☐			146.67	0.0000	P	12.8

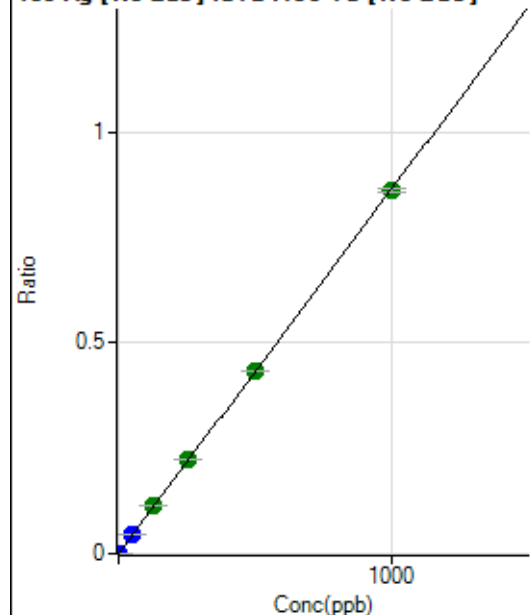
$$y = 1.3731E-005 * x + 3.3252E-006$$

$$R = 0.9999$$

$$DL = 0.0382$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.55	0.0000	P	13.8
2	☐	1.000	1.088	13749.96	0.0009	P	3.3
3	☐	50.000	54.446	684712.04	0.0471	P	0.9
4	☐	125.000	133.554	1677650.03	0.1154	A	1.5
5	☐	250.000	260.378	3268994.88	0.2251	A	0.4
6	☐	500.000	500.983	6212421.58	0.4330	A	0.8
7	☐	1000.000	995.622	12166437.46	0.8606	A	0.9
8	☐			2251.31	0.0002	P	9.8

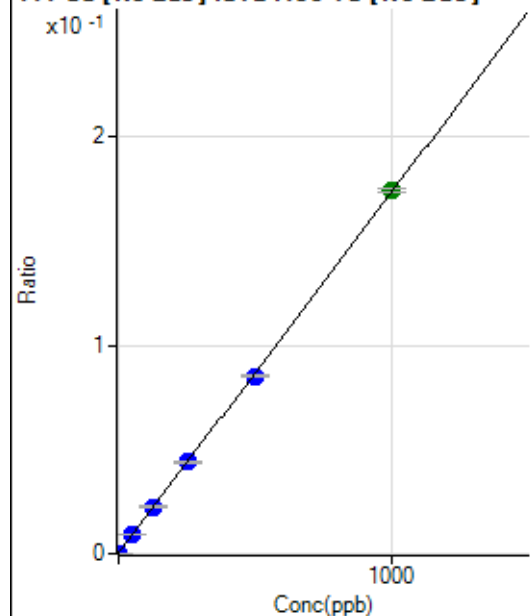
$$y = 8.6436\text{E-}004 * x + 3.8688\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.001848$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2543.46	0.0002	P	0.3
2	☐	1.000	1.127	5418.08	0.0004	P	2.3
3	☐	50.000	52.661	135323.08	0.0093	P	0.1
4	☐	125.000	129.137	327742.63	0.0226	P	1.1
5	☐	250.000	252.071	636942.88	0.0439	P	0.2
6	☐	500.000	490.534	1221893.83	0.0852	P	0.8
7	☐	1000.000	1003.565	2460847.08	0.1741	A	1.2
8	☐			2584.51	0.0002	P	3.4

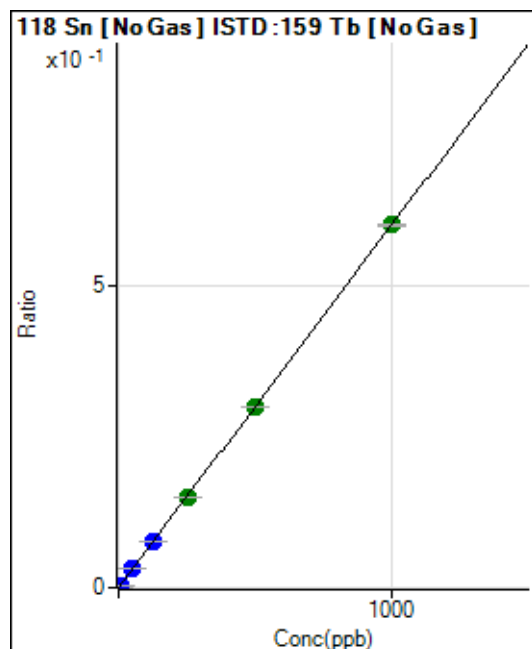
$$y = 1.7327\text{E-}004 * x + 1.7694\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.009162$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	888.93	0.0001	P	7.3
2	☐	5.000	5.518	49030.83	0.0034	P	1.9
3	☐	50.000	51.668	451352.27	0.0310	P	0.3
4	☐	125.000	126.555	1103010.66	0.0759	P	1.0
5	☐	250.000	250.886	2184586.93	0.1504	A	0.5
6	☐	500.000	497.287	4276132.82	0.2981	A	0.5
7	☐	1000.000	1000.854	8480284.74	0.5998	A	0.6
8	☐			2649.16	0.0002	P	2.4

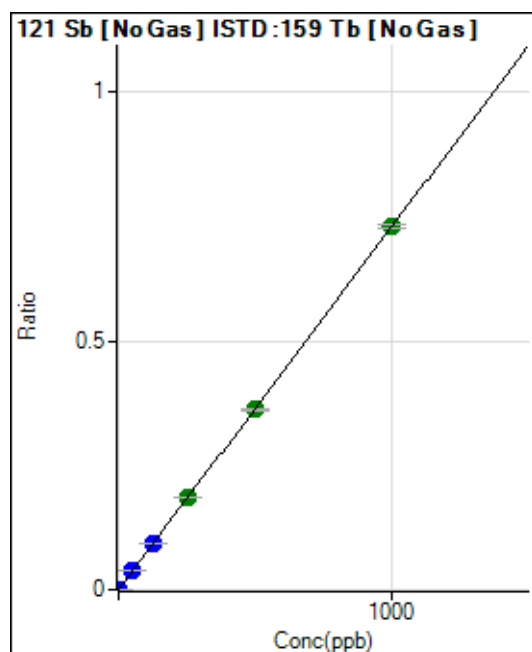
$$y = 5.9925\text{E-}004 * x + 6.1800\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.0227$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	35.8
2	☐	2.000	2.191	23270.02	0.0016	P	2.5
3	☐	50.000	51.272	543342.10	0.0373	P	0.5
4	☐	125.000	125.526	1328715.23	0.0914	P	1.2
5	☐	250.000	253.776	2684783.40	0.1848	A	0.6
6	☐	500.000	496.809	5191353.46	0.3619	A	1.0
7	☐	1000.000	1000.522	10302957.21	0.7287	A	1.0
8	☐			7758.84	0.0006	P	1.9

$$y = 7.2837\text{E-}004 * x + 2.3186\text{E-}006$$

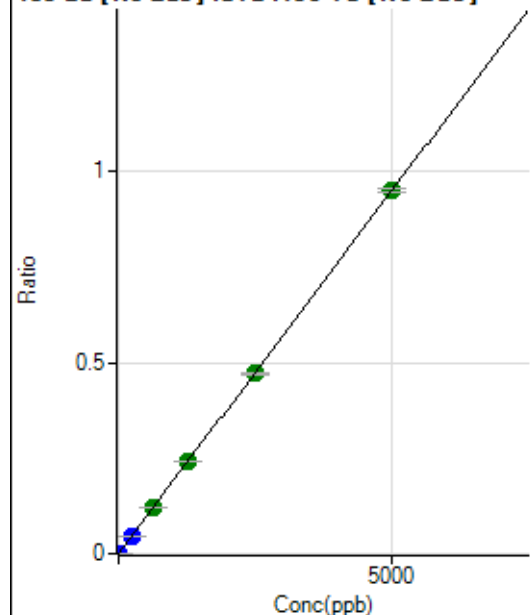
$$R = 1.0000$$

$$DL = 0.00342$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	35.56	0.0000	P	15.4
2	☐	10.000	10.447	28907.11	0.0020	P	1.7
3	☐	250.000	251.305	694127.61	0.0477	P	0.3
4	☐	625.000	636.736	1756795.80	0.1209	A	1.4
5	☐	1250.000	1265.378	3489123.80	0.2402	A	0.8
6	☐	2500.000	2483.223	6763307.68	0.4714	A	0.7
7	☐	5000.000	5003.011	13427808.27	0.9498	A	1.1
8	☐			5198.78	0.0004	P	4.0

$$y = 1.8984\text{E-}004 * x + 2.4762\text{E-}006$$

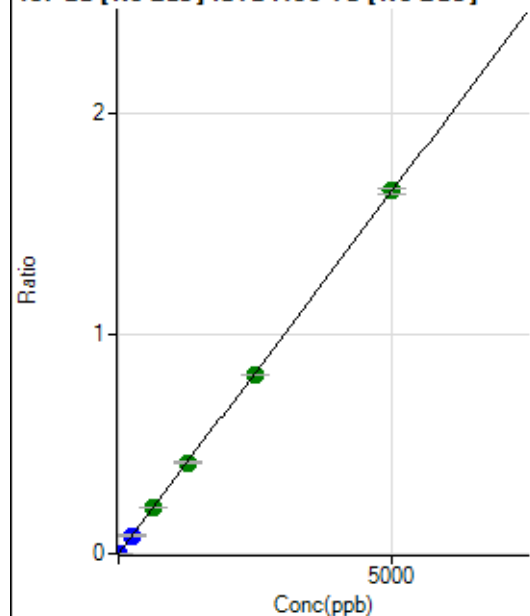
$$R = 1.0000$$

$$DL = 0.006015$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	63.33	0.0000	P	27.7
2	☐	10.000	10.504	50432.34	0.0035	P	2.9
3	☐	250.000	251.388	1204896.06	0.0828	P	1.1
4	☐	625.000	639.709	3062750.86	0.2107	A	0.8
5	☐	1250.000	1257.553	6017224.15	0.4143	A	0.9
6	☐	2500.000	2470.310	11675480.10	0.8138	A	0.5
7	☐	5000.000	5011.048	23338363.54	1.6508	A	1.3
8	☐			9289.78	0.0007	P	2.4

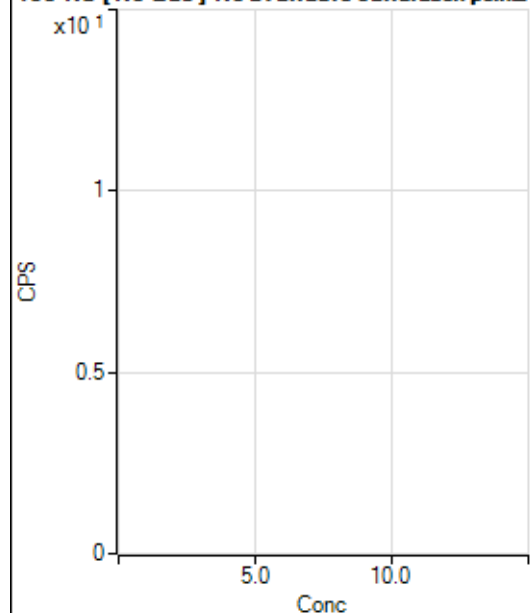
$$y = 3.2944\text{E-}004 * x + 4.4092\text{E-}006$$

$$R = 1.0000$$

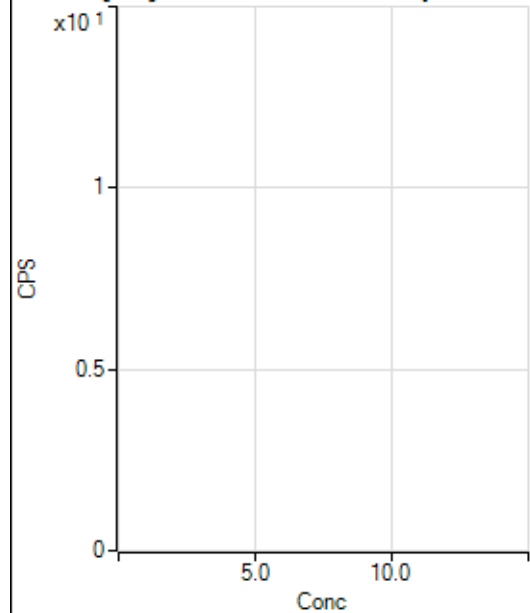
$$DL = 0.01113$$

Weight: <None>

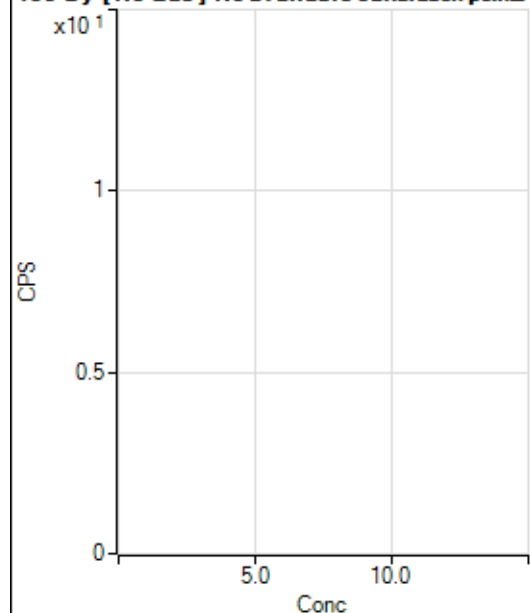
Min Conc: 0

150 Nd [No Gas] No available calibration points

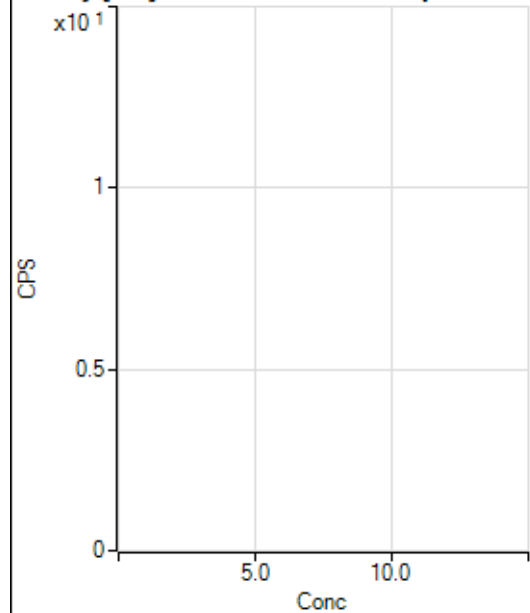
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			7.78		P	24.7
2	☐			6.66		P	86.6
3	☐			60.00		P	19.2
4	☐			137.78		P	9.8
5	☐			264.45		P	7.3
6	☐			498.90		P	5.1
7	☐			914.48		P	1.5
8	☐			202.23		P	23.6

150 Nd [He] No available calibration points

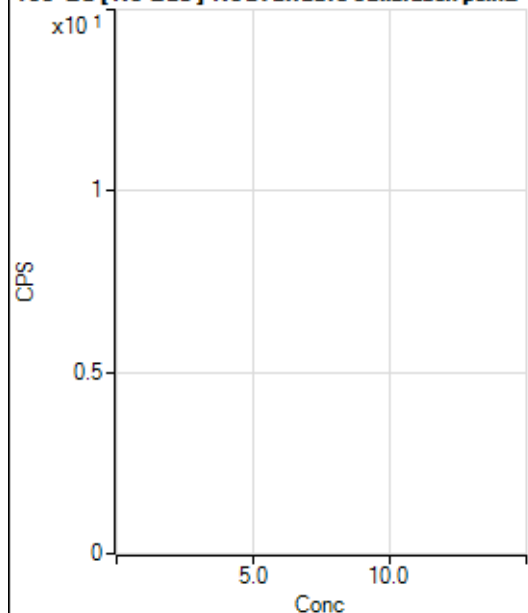
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	43.4
2	☐			8.89		P	57.3
3	☐			14.44		P	58.1
4	☐			44.45		P	24.1
5	☐			78.89		P	27.2
6	☐			143.34		P	10.1
7	☐			285.56		P	4.1
8	☐			127.78		P	8.4

156 Dy [No Gas] No available calibration points

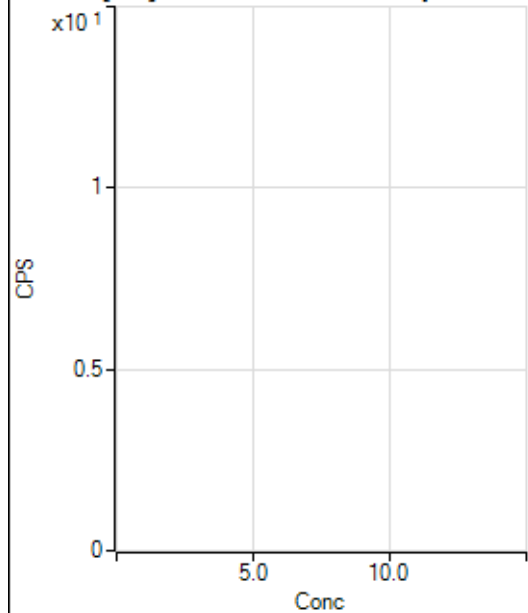
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.56		P	91.6
2	☐			8.89		P	57.3
3	☐			61.11		P	3.1
4	☐			86.67		P	19.2
5	☐			138.89		P	9.1
6	☐			293.34		P	8.2
7	☐			578.91		P	2.8
8	☐			367.79		P	16.8

156 Dy [He] No available calibration points

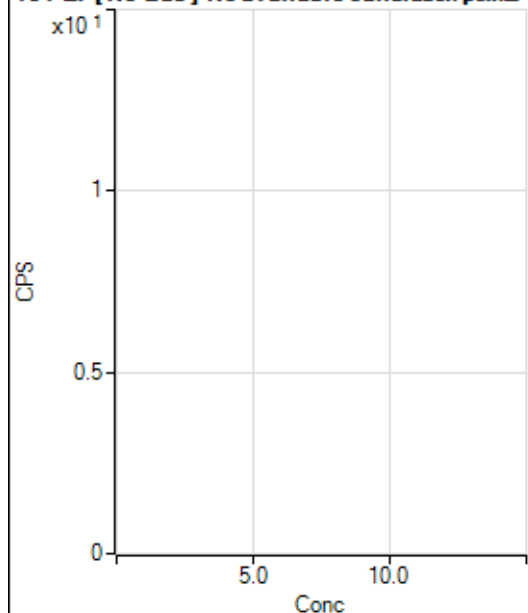
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			7.78		P	89.2
2	☐			6.67		P	100.
3	☐			66.66		P	31.2
4	☐			136.67		P	4.2
5	☐			242.23		P	15.9
6	☐			471.12		P	3.2
7	☐			927.82		P	7.4
8	☐			337.79		P	6.3

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

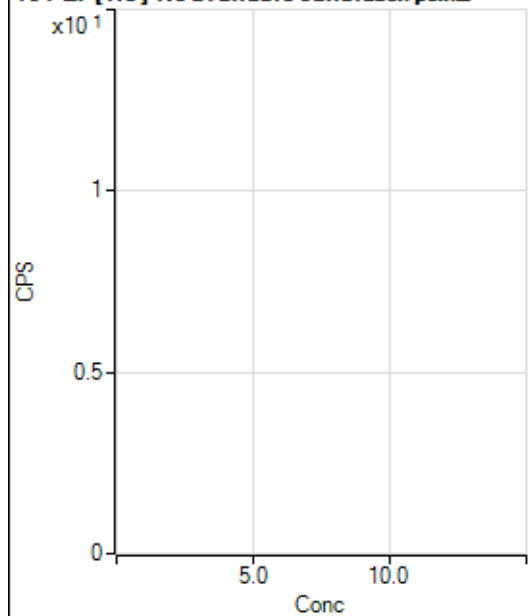
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			117.78		P	5.9
2	☐			113.33		P	23.5
3	☐			117.78		P	26.9
4	☐			126.67		P	25.1
5	☐			142.23		P	8.2
6	☐			181.11		P	7.7
7	☐			263.34		P	7.7
8	☐			406.68		P	11.1

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			725.58		P	1.3
2	☐			688.91		P	7.5
3	☐			651.13		P	8.3
4	☐			692.25		P	9.4
5	☐			723.36		P	0.8
6	☐			728.92		P	1.2
7	☐			782.26		P	12.4
8	☐			934.48		P	3.6

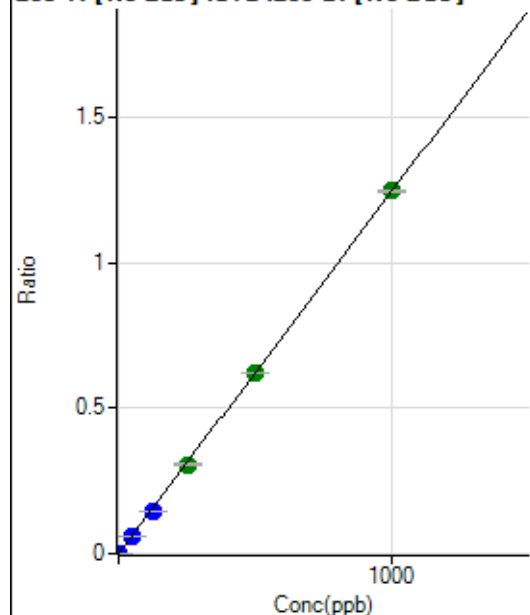
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			60.00		P	11.1
2	☐			73.33		P	16.4
3	☐			80.00		P	19.1
4	☐			88.89		P	12.1
5	☐			126.67		P	16.4
6	☐			176.67		P	23.2
7	☐			243.34		P	9.0
8	☐			487.79		P	12.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			52.22		P	35.2
2	☐			38.89		P	24.7
3	☐			51.11		P	16.4
4	☐			74.44		P	29.1
5	☐			84.44		P	16.4
6	☐			128.89		P	7.9
7	☐			185.56		P	20.7
8	☐			345.56		P	7.2

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	214.45	0.0000	P	18.0
2	☐	1.000	0.989	10690.94	0.0013	P	2.7
3	☐	50.000	46.932	507550.81	0.0584	P	0.9
4	☐	125.000	117.236	1274752.64	0.1458	P	1.7
5	☐	250.000	246.284	2680272.36	0.3063	A	1.3
6	☐	500.000	498.592	5382065.20	0.6201	A	0.1
7	☐	1000.000	1002.757	10737733.66	1.2471	A	0.3
8	☐			1685.68	0.0002	P	6.8

$$y = 0.0012 * x + 2.5277E-005$$

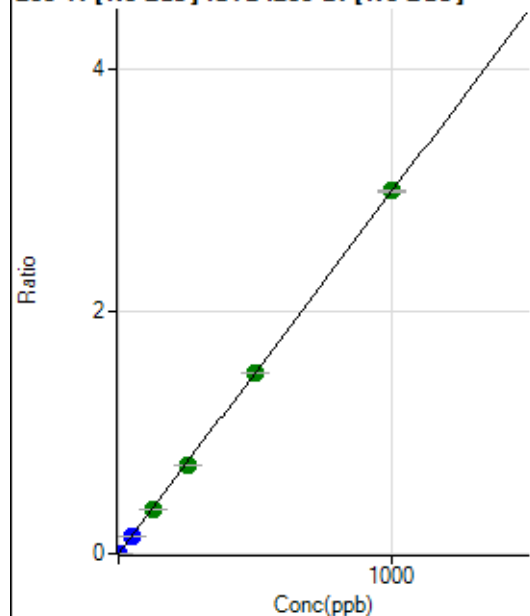
$$R = 1.0000$$

$$DL = 0.01096$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	515.57	0.0001	P	6.3
2	☐	1.000	0.970	25247.91	0.0030	P	1.6
3	☐	50.000	46.008	1197007.73	0.1377	P	1.2
4	☐	125.000	122.657	3208573.74	0.3670	A	1.9
5	☐	250.000	244.559	6402953.80	0.7318	A	1.3
6	☐	500.000	498.941	12957412.31	1.4929	A	0.4
7	☐	1000.000	1002.382	25823767.95	2.9992	A	0.4
8	☐			3910.60	0.0005	P	9.7

$$y = 0.0030 * x + 6.0789E-005$$

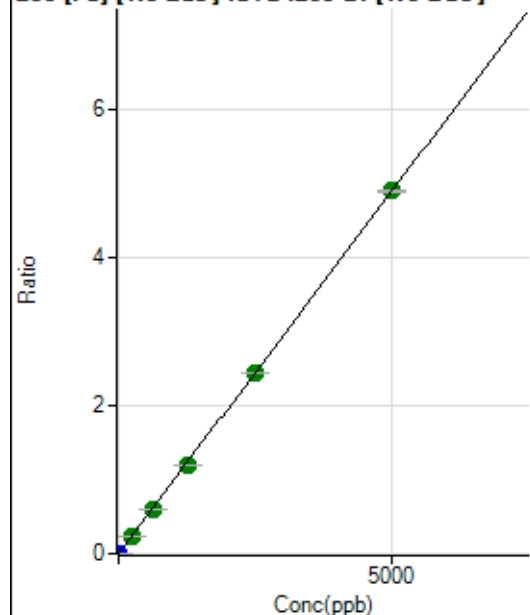
$$R = 1.0000$$

$$DL = 0.003867$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	410.01	0.0000	P	7.0
2	☐	1.000	0.975	8547.20	0.0010	P	2.0
3	☐	250.000	240.437	2048395.77	0.2357	A	1.1
4	☐	625.000	611.940	5242895.27	0.5997	A	0.7
5	☐	1250.000	1228.862	10538674.57	1.2043	A	0.3
6	☐	2500.000	2494.923	21220445.66	2.4450	A	0.5
7	☐	5000.000	5009.934	42271888.82	4.9096	A	0.5
8	☐			10928.91	0.0015	P	2.5

$$y = 9.7996\text{E-}004 * x + 4.8341\text{E-}005$$

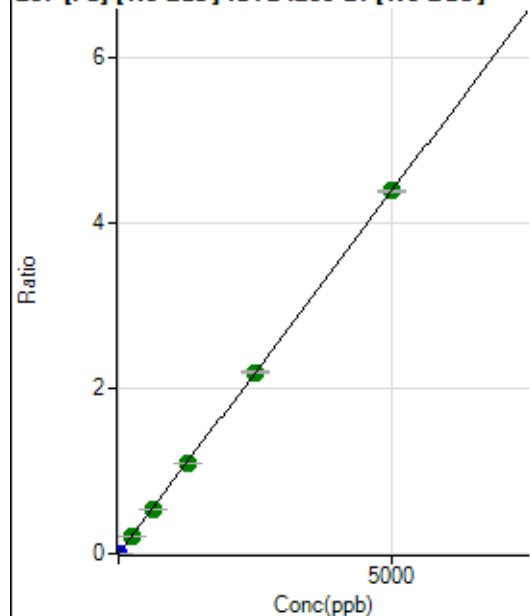
$$R = 1.0000$$

$$DL = 0.01033$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	376.68	0.0000	P	10.8
2	☐	1.000	0.968	7608.86	0.0009	P	1.0
3	☐	250.000	245.644	1872826.41	0.2155	A	0.1
4	☐	625.000	613.845	4706146.18	0.5384	A	1.7
5	☐	1250.000	1238.324	9502785.62	1.0860	A	0.4
6	☐	2500.000	2498.536	19016904.86	2.1911	A	0.7
7	☐	5000.000	5005.263	37793531.38	4.3894	A	0.7
8	☐			9473.38	0.0013	P	4.4

$$y = 8.7694\text{E-}004 * x + 4.4401\text{E-}005$$

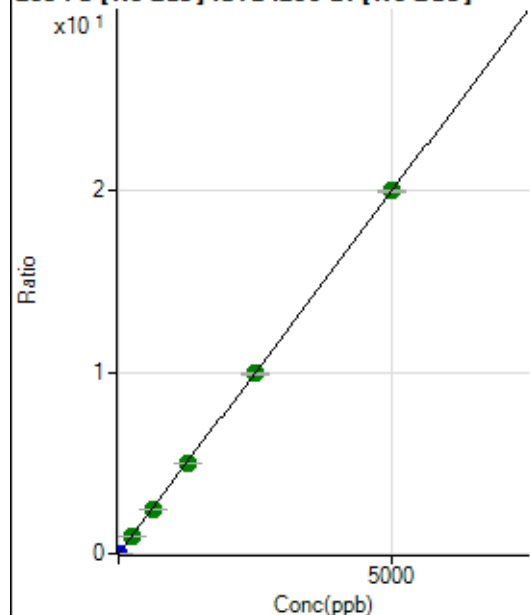
$$R = 1.0000$$

$$DL = 0.01647$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1657.84	0.0002	P	2.6
2	☐	1.000	0.977	34852.34	0.0041	P	1.2
3	☐	250.000	245.369	8504672.57	0.9784	A	0.3
4	☐	625.000	612.747	21356907.25	2.4430	A	1.1
5	☐	1250.000	1240.487	43277575.68	4.9457	A	0.2
6	☐	2500.000	2492.005	86224983.72	9.9351	A	1.0
7	☐	5000.000	5008.139	171913591.0	19.9662	A	0.2
8	☐			43957.21	0.0061	P	3.3

$$y = 0.0040 * x + 1.9547E-004$$

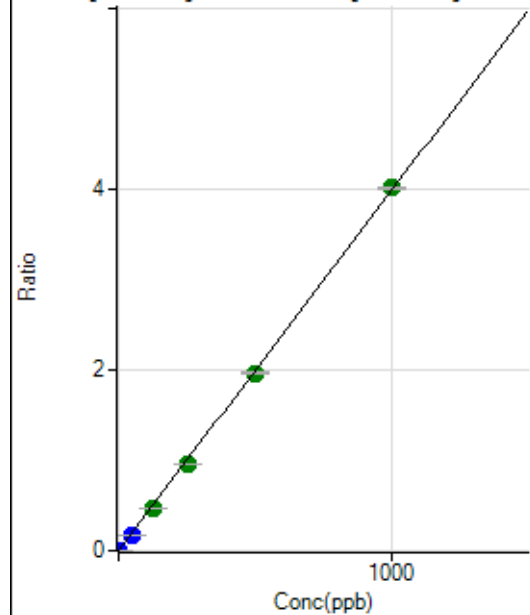
$$R = 1.0000$$

$$DL = 0.003819$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	46.67	0.0000	P	28.1
2	☐	1.000	0.891	30351.31	0.0036	P	2.1
3	☐	50.000	43.126	1496423.92	0.1722	P	1.5
4	☐	125.000	116.910	4079721.02	0.4667	A	1.6
5	☐	250.000	240.687	8407246.54	0.9608	A	1.3
6	☐	500.000	493.279	17089175.16	1.9691	A	1.2
7	☐	1000.000	1007.044	34612385.60	4.0200	A	0.4
8	☐			2431.36	0.0003	P	9.0

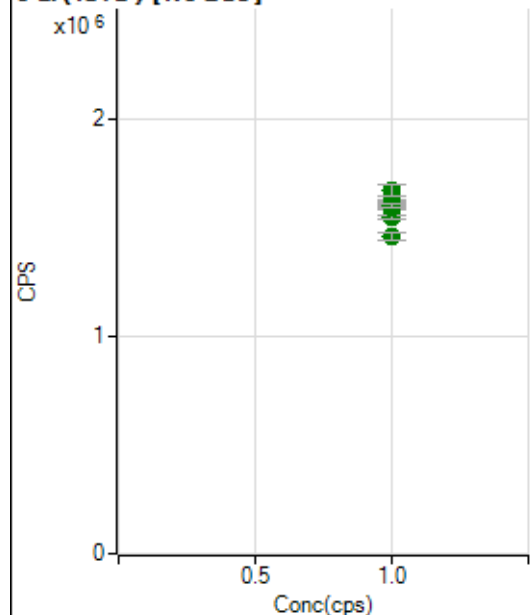
$$y = 0.0040 * x + 5.4975E-006$$

$$R = 0.9999$$

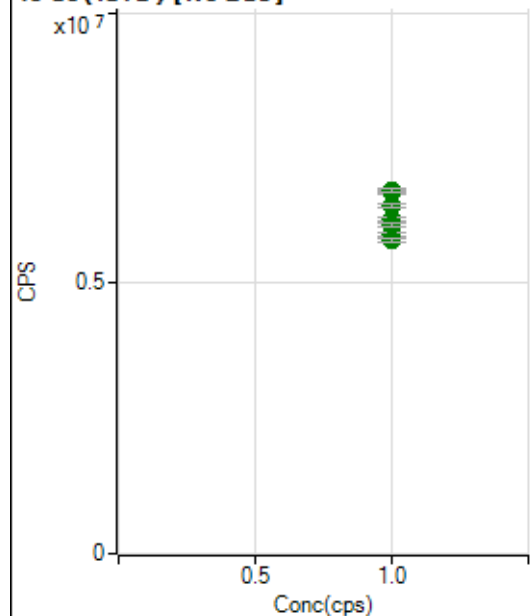
$$DL = 0.00116$$

Weight: <None>

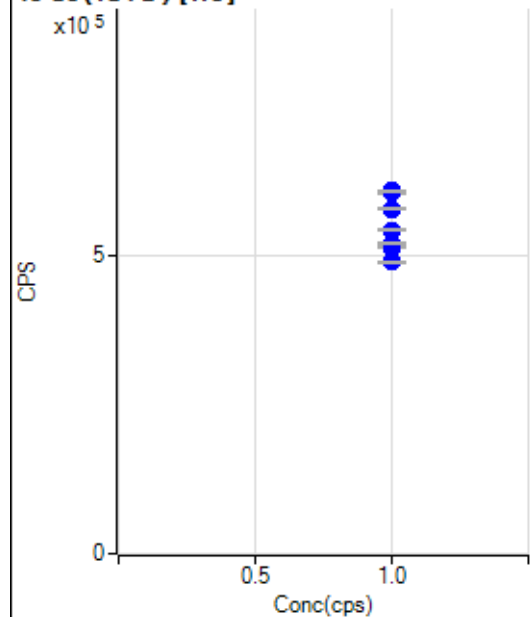
Min Conc: 0

6 Li (ISTD) [No Gas]

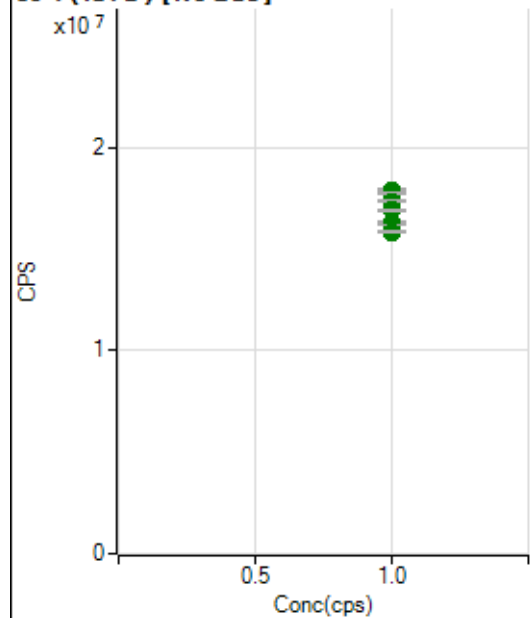
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1463389.49		A	2.3
2	☐	1.000		1461157.44		A	2.3
3	☐	1.000		1548562.25		A	1.2
4	☐	1.000		1596971.69		A	1.2
5	☐	1.000		1623928.12		A	0.7
6	☐	1.000		1617285.41		A	0.9
7	☐	1.000		1608185.65		A	1.0
8	☐	1.000		1672808.93		A	3.2

45 Sc (ISTD) [No Gas]

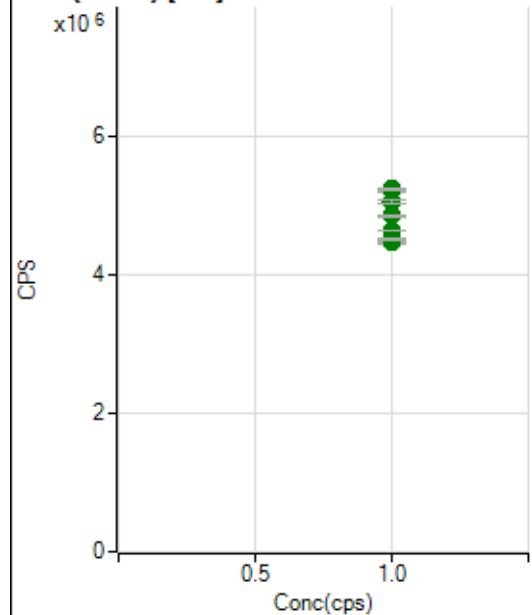
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6701219.00		A	1.4
2	☐	1.000		6709982.47		A	0.9
3	☐	1.000		6713817.68		A	1.1
4	☐	1.000		6449639.69		A	1.3
5	☐	1.000		6189002.69		A	1.1
6	☐	1.000		5907059.77		A	1.1
7	☐	1.000		5814361.72		A	1.1
8	☐	1.000		6088578.31		A	1.1

45 Sc (ISTD) [He]

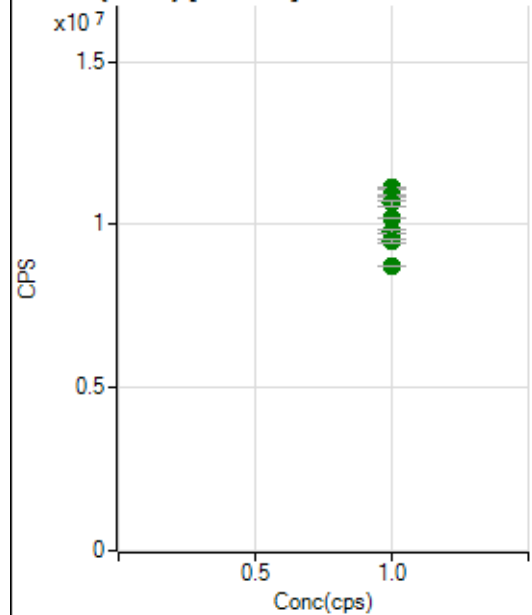
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		606667.33		P	0.4
2	☐	1.000		609469.47		P	0.2
3	☐	1.000		578707.75		P	0.4
4	☐	1.000		543759.81		P	0.8
5	☐	1.000		515063.44		P	0.3
6	☐	1.000		489615.40		P	0.1
7	☐	1.000		489972.48		P	0.6
8	☐	1.000		521218.40		P	0.8

89 Y (ISTD) [No Gas]

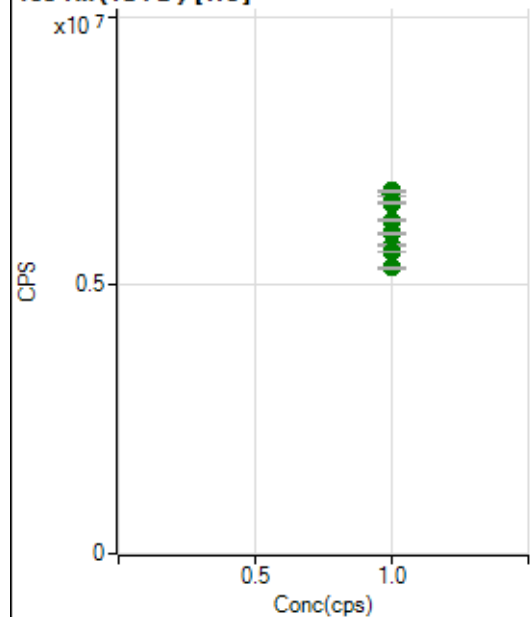
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		17868366.40		A	1.3
2	☐	1.000		17831306.68		A	0.3
3	☐	1.000		17775673.35		A	0.5
4	☐	1.000		17361504.88		A	0.7
5	☐	1.000		16932897.94		A	0.6
6	☐	1.000		16328104.62		A	0.4
7	☐	1.000		16200862.26		A	0.5
8	☐	1.000		15847831.71		A	0.7

89 Y (ISTD) [He]

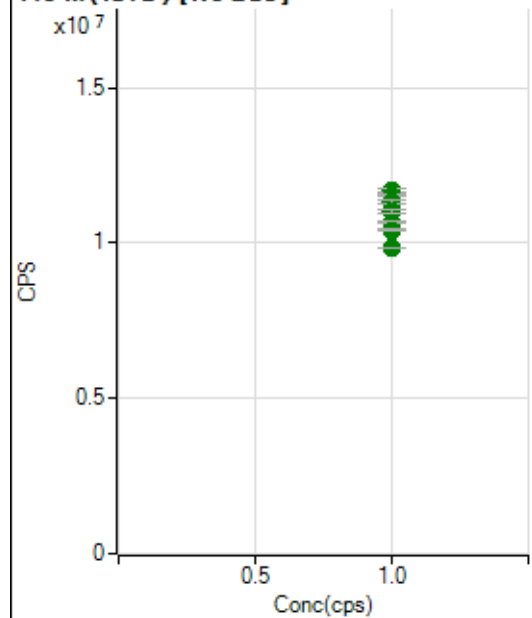
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5234838.32		A	0.9
2	☐	1.000		5244288.15		A	0.5
3	☐	1.000		5061053.57		A	0.9
4	☐	1.000		4850866.49		A	0.3
5	☐	1.000		4638016.70		A	0.4
6	☐	1.000		4486603.79		A	0.6
7	☐	1.000		4463302.82		A	0.6
8	☐	1.000		4512388.13		A	0.7

103 Rh (ISTD) [No Gas]

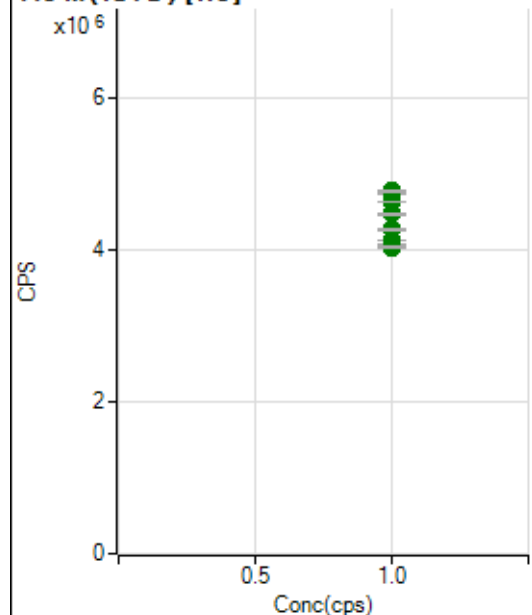
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11096493.17		A	0.5
2	☐	1.000		11126307.75		A	0.3
3	☐	1.000		10888567.20		A	0.8
4	☐	1.000		10646978.52		A	1.3
5	☐	1.000		10200101.31		A	0.5
6	☐	1.000		9785559.85		A	1.1
7	☐	1.000		9501535.48		A	0.9
8	☐	1.000		8723853.55		A	0.5

103 Rh (ISTD) [He]

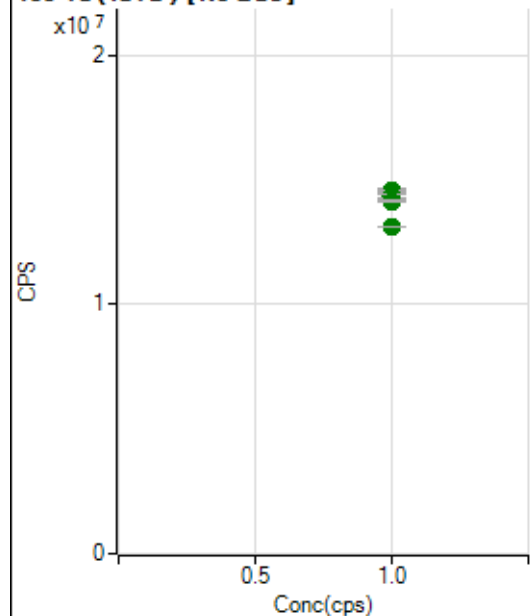
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6706090.80		A	0.8
2	☐	1.000		6758170.18		A	0.2
3	☐	1.000		6532693.51		A	0.2
4	☐	1.000		6202116.57		A	0.6
5	☐	1.000		5971154.01		A	0.5
6	☐	1.000		5741121.65		A	0.4
7	☐	1.000		5630576.30		A	0.4
8	☐	1.000		5323106.10		A	0.8

115 In (ISTD) [No Gas]

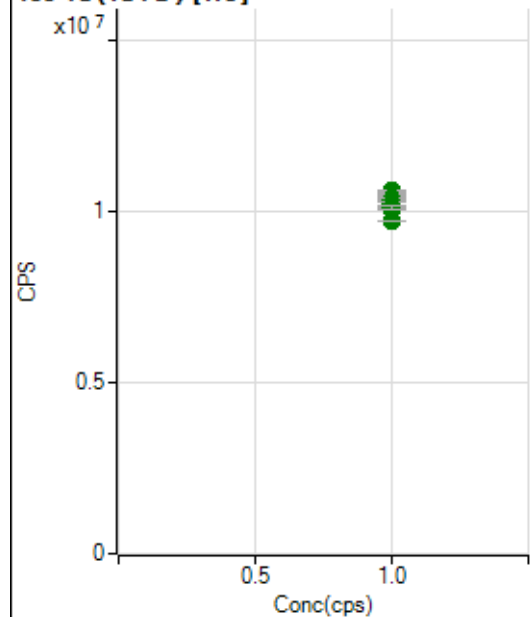
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11675402.66		A	1.2
2	☐	1.000		11668421.63		A	1.1
3	☐	1.000		11526358.24		A	0.4
4	☐	1.000		11342225.54		A	1.0
5	☐	1.000		10998395.67		A	0.9
6	☐	1.000		10663060.31		A	0.7
7	☐	1.000		10414510.28		A	0.6
8	☐	1.000		9843067.60		A	0.4

115 In (ISTD) [He]

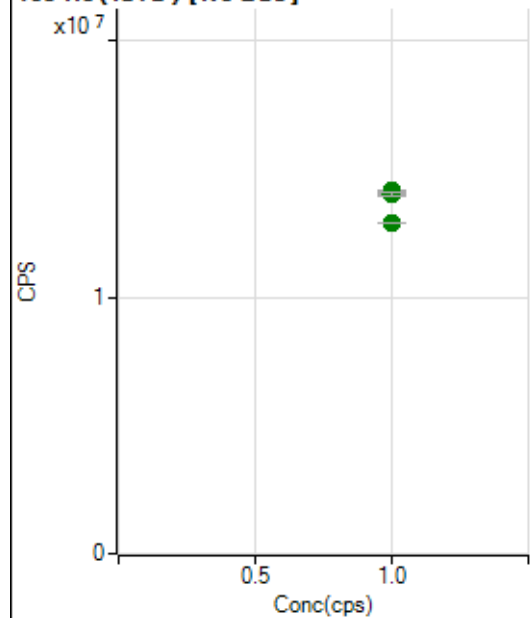
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4746320.53		A	1.0
2	☐	1.000		4768568.65		A	0.5
3	☐	1.000		4619929.07		A	0.3
4	☐	1.000		4461263.59		A	0.4
5	☐	1.000		4262567.34		A	0.4
6	☐	1.000		4128944.75		A	0.1
7	☐	1.000		4061317.86		A	0.8
8	☐	1.000		4025329.56		A	0.4

159 Tb (ISTD) [No Gas]

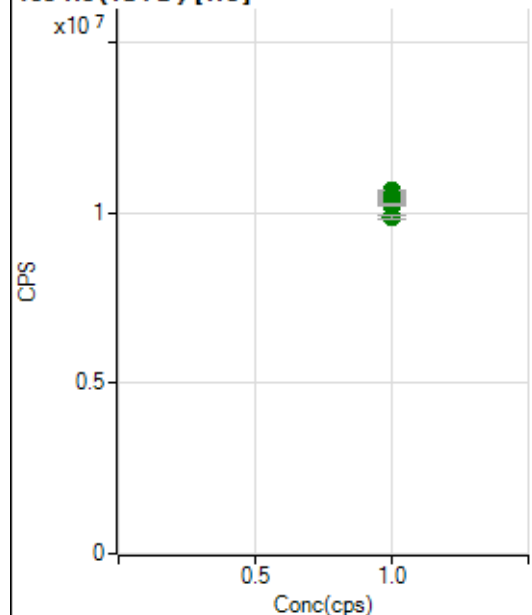
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		14375264.23		A	1.2
2	☐	1.000		14559047.15		A	1.1
3	☐	1.000		14548644.64		A	0.4
4	☐	1.000		14533379.09		A	0.9
5	☐	1.000		14524641.45		A	0.5
6	☐	1.000		14346942.29		A	0.8
7	☐	1.000		14138104.37		A	0.6
8	☐	1.000		13149426.61		A	0.1

159 Tb (ISTD) [He]

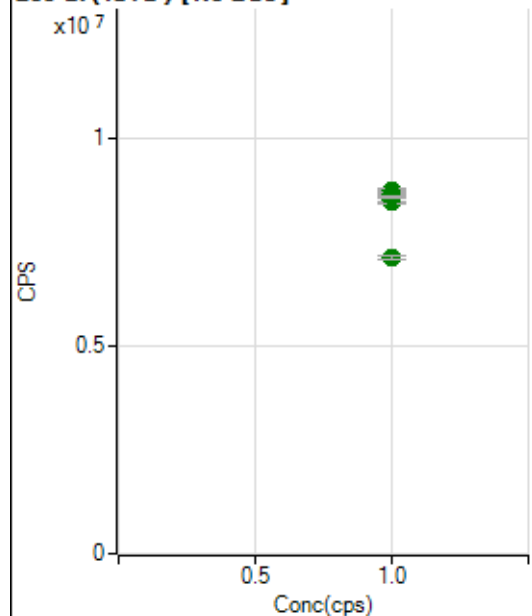
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10406782.76		A	1.5
2	☐	1.000		10618531.09		A	0.4
3	☐	1.000		10433771.65		A	1.3
4	☐	1.000		10344105.12		A	0.9
5	☐	1.000		10247735.40		A	0.8
6	☐	1.000		10094634.02		A	0.4
7	☐	1.000		10147097.00		A	1.0
8	☐	1.000		9726085.34		A	0.1

165 Ho (ISTD) [No Gas]

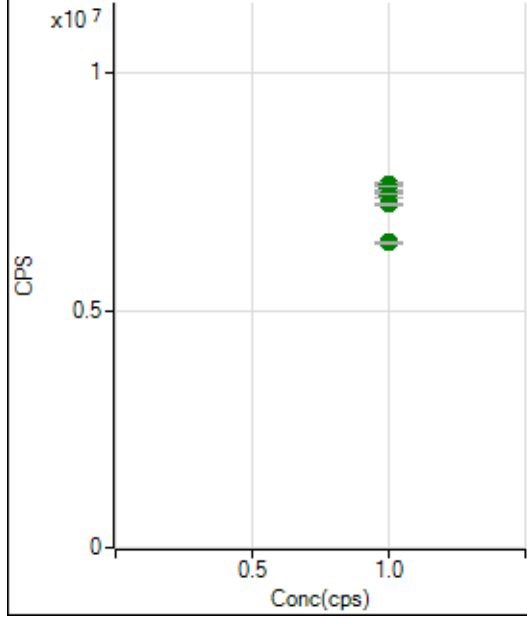
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		14029135.07		A	0.5
2	☐	1.000		14017487.71		A	0.7
3	☐	1.000		14145965.90		A	0.2
4	☐	1.000		14154830.20		A	0.3
5	☐	1.000		14022183.40		A	0.2
6	☐	1.000		14066873.40		A	1.1
7	☐	1.000		14061618.40		A	1.0
8	☐	1.000		12908853.28		A	0.4

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10475486.99		A	1.6
2	☐	1.000		10645331.93		A	0.6
3	☐	1.000		10475639.36		A	0.8
4	☐	1.000		10393935.33		A	0.4
5	☐	1.000		10359926.93		A	0.7
6	☐	1.000		10275052.28		A	0.4
7	☐	1.000		10222616.17		A	0.5
8	☐	1.000		9873960.34		A	0.7

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8480716.47		A	0.5
2	☐	1.000		8518490.22		A	1.3
3	☐	1.000		8692284.25		A	0.7
4	☐	1.000		8742566.05		A	1.0
5	☐	1.000		8750752.16		A	1.4
6	☐	1.000		8679276.88		A	1.0
7	☐	1.000		8610208.69		A	0.7
8	☐	1.000		7163413.92		A	1.3

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7555914.40		A	1.6
2	☐	1.000		7639197.18		A	0.5
3	☐	1.000		7647313.84		A	1.0
4	☐	1.000		7528511.97		A	0.4
5	☐	1.000		7584766.83		A	1.1
6	☐	1.000		7410396.90		A	1.0
7	☐	1.000		7237948.78		A	0.6
8	☐	1.000		6436353.72		A	0.4

US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7010625MS-2.b

Acq. Date-Time 2025-01-06 12:39:40

Report Comment ---

Instrument Name G8403A JP14410463

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		7162	71616.68			0.321	5.000
24		215525	2155254.96			0.603	5.000
25		27375	273752.32			0.283	5.000
26		31417	314167.90			0.555	5.000
59		84076	840759.37			0.399	5.000
113		11278	112779.02			0.647	5.000
115		142289	1422886.58			0.839	5.000
206		29738	297377.91			0.411	5.000
207		25747	257471.66			0.524	5.000
208		62494	624942.51			0.780	5.000
220		0	2.60			31.600	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

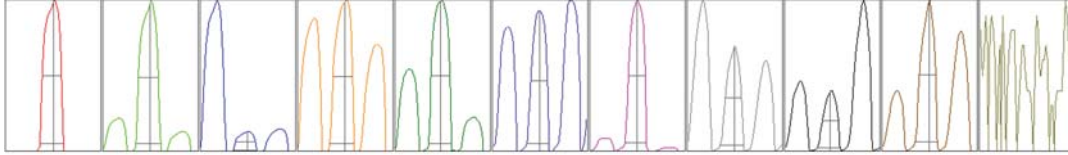
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	7176	7137	7159	7193	7144
24	217678	214584	215827	214813	214724
25	27418	27448	27427	27305	27278
26	31657	31523	31348	31347	31209
59	83960	84333	83749	83819	84520
113	11356	11290	11298	11290	11157
115	143714	142782	142841	141236	140870
206	29934	29749	29663	29730	29613
207	25879	25603	25748	25884	25622
208	62471	63320	62322	62321	62038

US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	0	0	0	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	12731.30	9.05	8.90 - 9.10	
24	366564.30	24.00	23.90 - 24.10	
25	47010.85	25.00	24.90 - 25.10	
26	53494.04	26.00	25.90 - 26.10	
59	147737.60	58.95	58.90 - 59.10	
113	22276.38	113.00	112.90 - 113.10	
115	279226.95	115.00	114.90 - 115.10	
206	60698.49	206.00	205.90 - 206.10	
207	51657.47	206.95	206.90 - 207.10	
208	130042.93	208.00	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.59	0.738	0.900	
24	0.62	0.784	0.900	
25	0.62	0.741	0.900	
26	0.61	0.777	0.900	
59	0.59	0.733	0.900	
113	0.51	0.708	0.900	
115	0.52	0.690	0.900	
206	0.50	0.747	0.900	
207	0.50	0.715	0.900	
208	0.51	0.706	0.900	
220				

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.82 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.5 V	Deflect	14.4 V
Extract 2	-130.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-60 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	160 V		

QP Parameters

Mass Gain	139	Axis Gain	0.9973	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.15		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	0.4 mm
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EM

Discriminator	4.8 mV	Analog HV	2265 V	Pulse HV	1056 V
---------------	--------	-----------	--------	----------	--------

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		27410	274096.40			0.595	
89		51907	519066.40			0.579	
205		32538	325375.23			0.704	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	27653	27490	27318	27345	27242
89	52425	51809	51644	51801	51856
205	32883	32662	32411	32370	32361

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.82 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.4 V	Deflect	2.6 V
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US EPA Tune Check Report

Extract 2	-160.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-80 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	139	Axis Gain	0.9973	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.15		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	0.4 mm
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EM

Discriminator	4.8 mV	Analog HV	2265 V	Pulse HV	1056 V
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