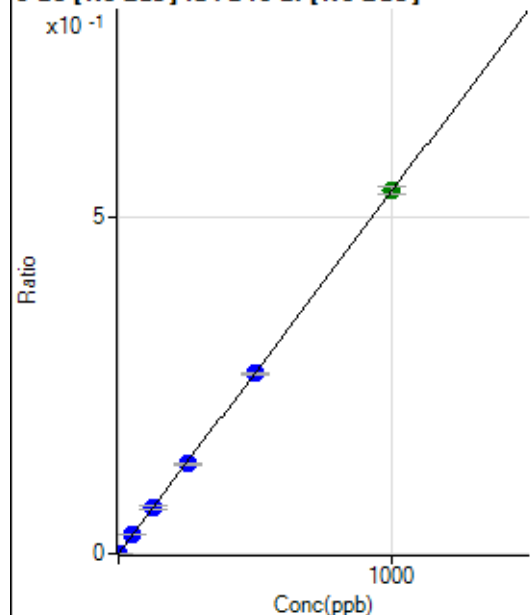


Calibration for 004CALB.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8050823MS.b\
 Analysis File: P8050823MS.batch.bin
 DA Date-Time: 2023-05-09 01:38:25
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2023-05-08 15:34:32
2	005CALS.d	S02	2023-05-08 15:37:34
3	006CALS.d	S03	2023-05-08 15:40:39
4	007CALS.d	S04	2023-05-08 15:43:38
5	008CALS.d	S05	2023-05-08 15:46:39
6	009CALS.d	S06	2023-05-08 15:49:38
7	010CALS.d	S07	2023-05-08 15:52:39
8	011CALS.d	S08	2023-05-08 15:55:38

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	114.57	0.0000	P	6.3
2	☐	1.000	1.078	2056.56	0.0006	P	0.9
3	☐	50.000	52.480	94084.04	0.0282	P	2.5
4	☐	125.000	127.504	225896.53	0.0686	P	4.7
5	☐	250.000	248.668	446738.46	0.1337	P	1.5
6	☐	500.000	496.511	872621.11	0.2669	P	1.1
7	☐	1000.000	1001.640	1736750.70	0.5385	A	2.1
8	☐			937.41	0.0003	P	9.4

$$y = 5.3757\text{E-}004 * x + 3.3953\text{E-}005$$

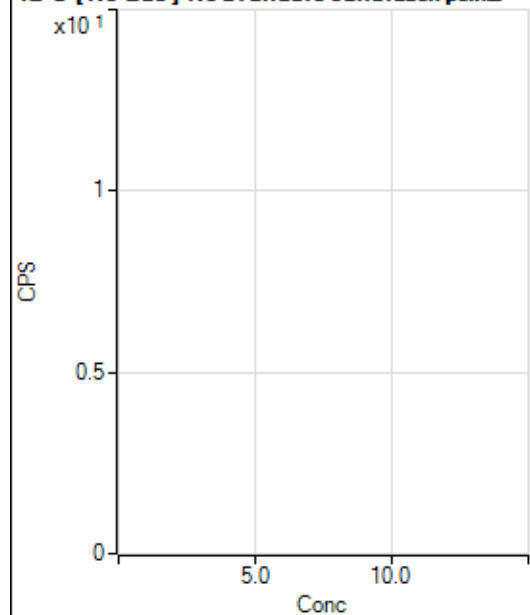
$$R = 1.0000$$

$$DL = 0.01191$$

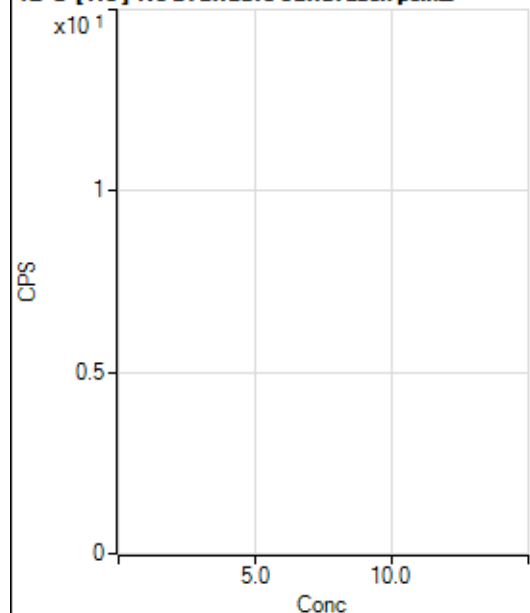
$$BEC = 0.06316$$

Weight: <None>

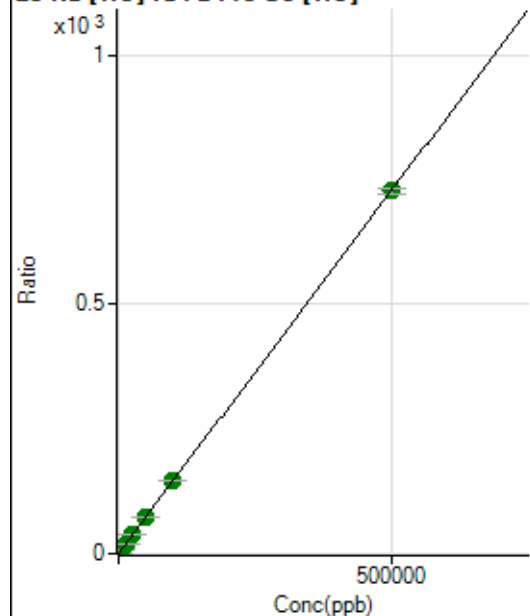
Min Conc: 0

12 C [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			3351097.73		A	1.0
2	☐			3321827.90		A	0.7
3	☐			3629146.39		A	1.2
4	☐			3581948.61		A	1.4
5	☐			3918585.68		A	1.9
6	☐			4169799.44		A	4.6
7	☐			4490425.45		A	4.7
8	☐			4037077.69		A	3.8

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			39375.56		P	0.7
2	☐			39266.87		P	1.8
3	☐			45033.54		P	1.1
4	☐			43938.51		P	2.8
5	☐			49475.37		P	0.0
6	☐			55126.03		P	0.1
7	☐			60842.86		P	0.6
8	☐			56927.33		P	1.1

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	21243.63	0.1365	P	2.6
2	☐	500.000	545.356	135407.83	0.9303	P	7.8
3	☐	5000.000	5265.812	1214857.43	7.8012	A	1.9
4	☐	12500.000	12951.556	2908563.00	18.9881	A	0.7
5	☐	25000.000	25550.420	5654256.94	37.3263	A	1.4
6	☐	50000.000	51152.333	11118632.54	74.5911	A	0.8
7	☐	100000.00	100943.55	22120102.75	147.0644	A	1.5
8	☐	500000.00	499654.54	109181362.1	727.4062	A	1.5

$$y = 0.0015 * x + 0.1365$$

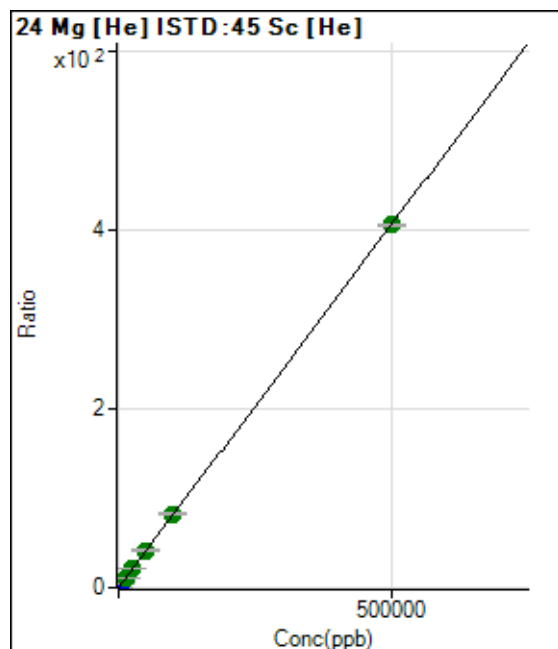
$$R = 1.0000$$

$$DL = 7.39$$

$$BEC = 93.81$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	288.90	0.0019	P	11.4
2	☐	500.000	529.573	62905.78	0.4327	P	10.0
3	☐	5000.000	5215.832	661064.19	4.2451	P	1.4
4	☐	12500.000	13070.380	1629020.75	10.6350	A	2.6
5	☐	25000.000	26003.664	3204893.74	21.1566	A	0.7
6	☐	50000.000	51232.309	6212857.13	41.6808	A	1.7
7	☐	100000.00	101551.06	12426262.26	82.6165	A	2.1
8	☐	500000.00	499499.92	60996265.95	406.3589	A	0.7

$$y = 8.1353\text{E-}004 * x + 0.0019$$

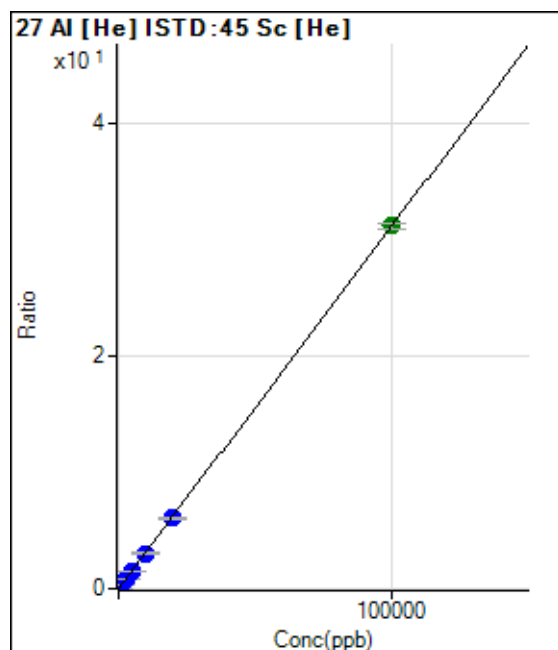
$$R = 1.0000$$

$$DL = 0.7835$$

$$BEC = 2.282$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	80.54	0.0005	P	16.6
2	☐	20.000	21.439	1047.30	0.0072	P	7.1
3	☐	1000.000	1023.120	49684.81	0.3191	P	1.7
4	☐	2500.000	2452.943	117061.21	0.7642	P	0.7
5	☐	5000.000	4907.344	231517.03	1.5284	P	0.4
6	☐	10000.000	9787.254	454285.83	3.0477	P	1.2
7	☐	20000.000	19404.264	908795.09	6.0418	P	1.2
8	☐	100000.00	100146.00	4680060.86	31.1799	A	1.3

$$y = 3.1134\text{E-}004 * x + 5.1816\text{E-}004$$

$$R = 1.0000$$

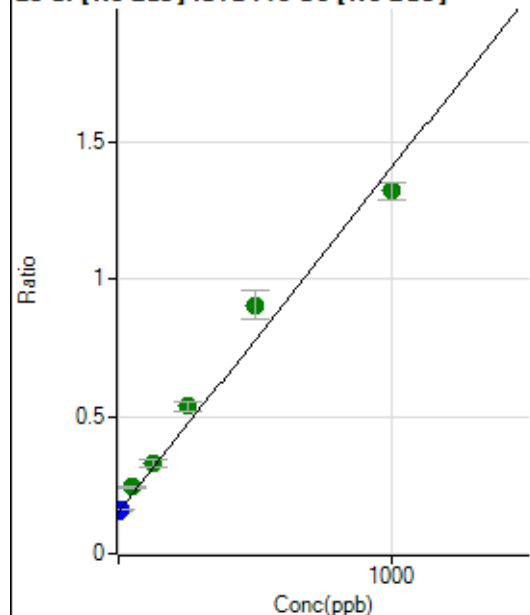
$$DL = 0.8288$$

$$BEC = 1.664$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	706033.11	0.1529	P	1.0
2	☐	10.000	7.084	755067.50	0.1618	P	3.1
3	☐	50.000	71.095	1104983.40	0.2419	A	1.9
4	☐	125.000	138.616	1513888.61	0.3264	A	8.0
5	☐	250.000	307.222	2445266.85	0.5374	A	6.5
6	☐	500.000	600.015	4067729.91	0.9038	A	11.6
7	☐	1000.000	932.959	5796574.00	1.3204	A	5.0
8	☐			2587564.10	0.5898	A	11.1

$$y = 0.0013 * x + 0.1529$$

$$R = 0.9900$$

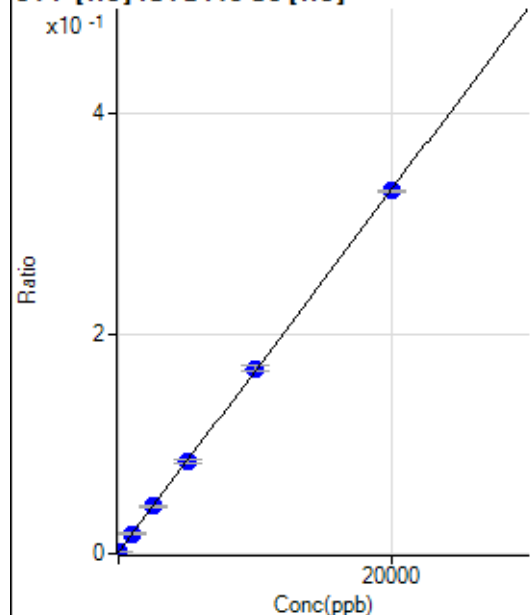
$$DL = 3.785$$

$$BEC = 122.2$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-3.719	205.56	0.0013	P	37.5
2	☐	0.000	3.719	211.12	0.0014	P	3.8
3	☐	1000.000	984.463	2742.00	0.0176	P	9.5
4	☐	2500.000	2520.787	6576.65	0.0429	P	1.7
5	☐	5000.000	5000.988	12697.57	0.0838	P	2.5
6	☐	10000.000	10138.740	25116.76	0.1685	P	2.5
7	☐	20000.000	19928.562	49618.75	0.3299	P	0.7
8	☐			197.23	0.0013	P	9.5

$$y = 1.6483E-005 * x + 0.0014$$

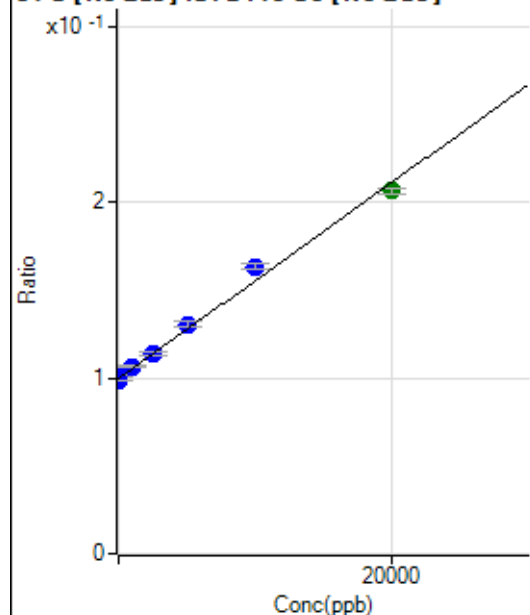
$$R = 1.0000$$

$$DL = 50.22$$

$$BEC = 84.09$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	217.990	466378.82	0.1010	P	1.2
2	☐	0.000	-217.990	460213.98	0.0986	P	0.9
3	☐	1000.000	1227.148	487144.57	0.1067	P	1.8
4	☐	2500.000	2485.539	527607.66	0.1137	P	2.4
5	☐	5000.000	5523.841	594018.82	0.1307	P	2.5
6	☐	10000.000	11442.264	737574.75	0.1637	P	2.1
7	☐	20000.000	19138.358	906668.34	0.2067	A	1.7
8	☐			409545.78	0.0934	P	0.9

$$y = 5.5848E-006 * x + 0.0998$$

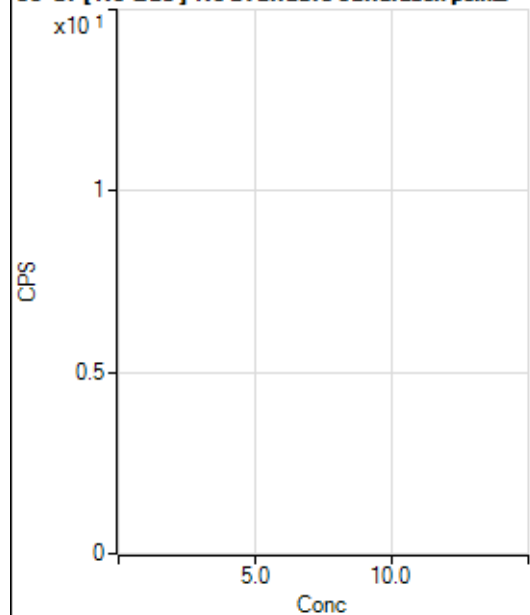
$$R = 0.9954$$

$$DL = 547.7$$

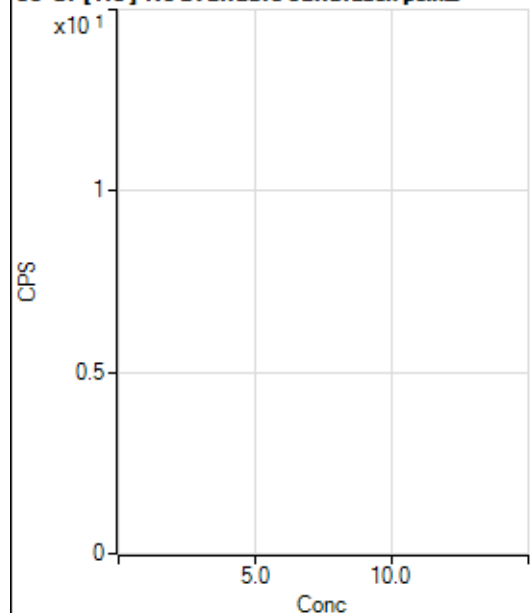
$$BEC = 1.787E+04$$

Weight: <None>

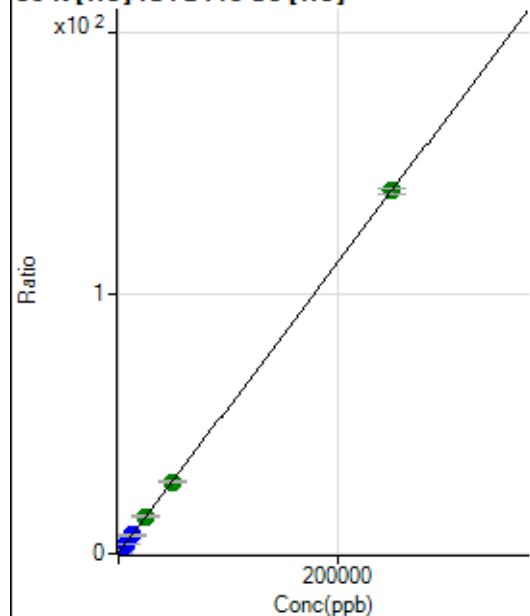
Min Conc: 0

35 Cl [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			149569.71		P	0.1
2	☐			140104.01		P	0.8
3	☐			187291.84		P	1.9
4	☐			179213.56		P	2.8
5	☐			180141.64		P	2.0
6	☐			178034.28		P	2.1
7	☐			171732.60		P	2.7
8	☐			167738.49		P	1.6

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			863.94		P	7.8
2	☐			913.94		P	12.8
3	☐			1350.10		P	17.3
4	☐			1188.97		P	6.1
5	☐			1177.86		P	5.7
6	☐			1213.97		P	13.1
7	☐			1027.85		P	7.4
8	☐			1233.42		P	3.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	28848.89	0.1855	P	3.9
2	☐	500.000	538.130	70561.68	0.4851	P	9.0
3	☐	2500.000	2506.731	246239.90	1.5813	P	1.6
4	☐	6250.000	6179.202	555452.49	3.6262	P	0.9
5	☐	12500.000	12285.458	1064306.82	7.0262	P	1.3
6	☐	25000.000	25453.928	2140270.17	14.3587	A	2.0
7	☐	50000.000	49393.118	4164277.18	27.6885	A	2.7
8	☐	250000.00	250088.33	20928917.31	139.4395	A	1.9

$$y = 5.5682E-004 * x + 0.1855$$

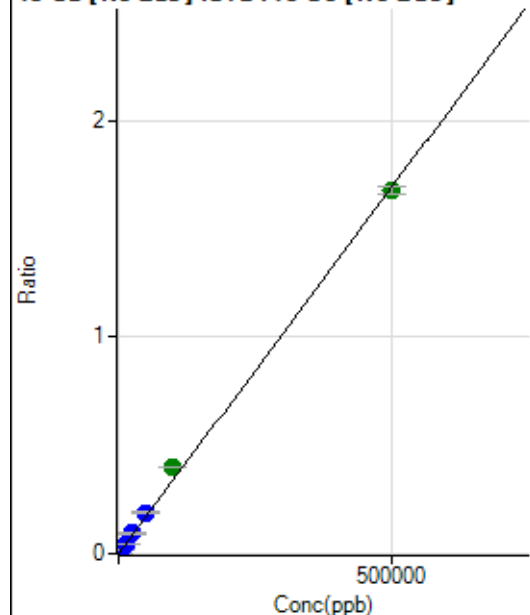
$$R = 1.0000$$

$$DL = 39.47$$

$$BEC = 333.1$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	114.57	0.0000	P	20.3
2	☐	500.000	495.124	7923.28	0.0017	P	2.2
3	☐	5000.000	5741.955	88720.68	0.0194	P	1.4
4	☐	12500.000	13662.157	214337.43	0.0462	P	2.3
5	☐	25000.000	27667.585	425170.77	0.0935	P	1.5
6	☐	50000.000	55771.688	848988.31	0.1885	P	2.6
7	☐	100000.00	118848.00	1761699.30	0.4016	A	0.9
8	☐	500000.00	495483.38	7337118.76	1.6741	A	2.0

$$y = 3.3788\text{E-}006 * x + 2.4835\text{E-}005$$

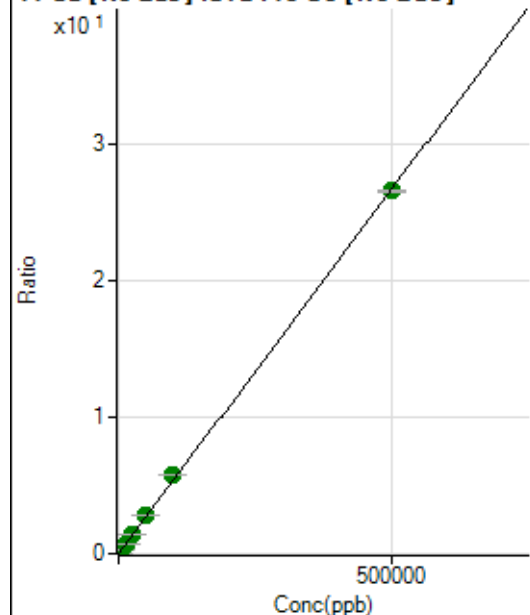
$$R = 0.9992$$

$$DL = 4.473$$

$$BEC = 7.35$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	8823.68	0.0019	P	0.3
2	☐	500.000	505.175	134886.48	0.0289	P	2.5
3	☐	5000.000	5494.302	1349458.94	0.2955	A	1.8
4	☐	12500.000	13174.299	3275940.03	0.7058	A	1.4
5	☐	25000.000	26533.559	6455186.10	1.4196	A	1.5
6	☐	50000.000	52475.742	12644352.72	2.8058	A	0.4
7	☐	100000.00	107887.94	25296347.33	5.7665	A	1.7
8	☐	500000.00	498076.35	116652196.9	26.6149	A	0.4

$$y = 5.3432\text{E-}005 * x + 0.0019$$

$$R = 0.9999$$

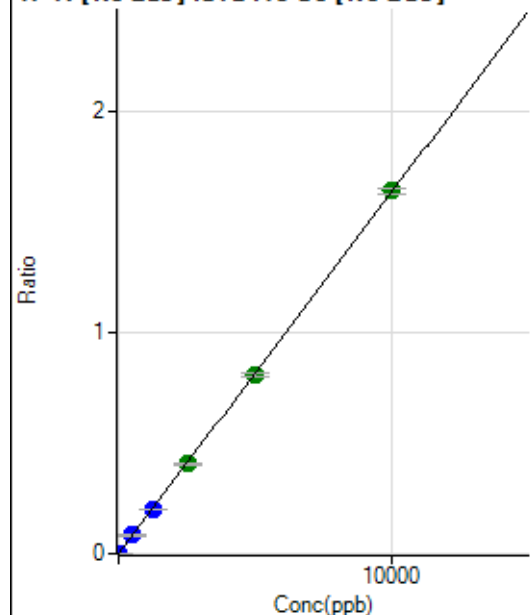
$$DL = 0.311$$

$$BEC = 35.77$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	102.78	0.0000	P	42.5
2	☐	5.000	4.920	3856.18	0.0008	P	0.8
3	☐	500.000	507.660	378909.08	0.0830	P	1.2
4	☐	1250.000	1216.270	922264.69	0.1987	P	2.3
5	☐	2500.000	2484.504	1845676.82	0.4059	A	1.6
6	☐	5000.000	4939.664	3635363.28	0.8070	A	2.8
7	☐	10000.000	10037.875	7195783.76	1.6400	A	1.3
8	☐			1327.89	0.0003	P	15.0

$$y = 1.6338\text{E-}004 * x + 2.2310\text{E-}005$$

$$R = 1.0000$$

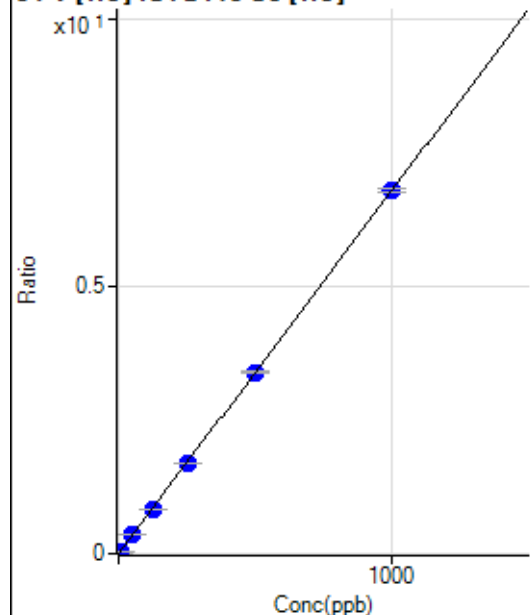
$$DL = 0.174$$

$$BEC = 0.1366$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	10.00	0.0001	P	34.0
2	☐	5.000	5.426	5375.50	0.0369	P	7.0
3	☐	50.000	50.577	53501.73	0.3435	P	0.6
4	☐	125.000	123.833	128831.58	0.8411	P	1.2
5	☐	250.000	247.792	254932.84	1.6829	P	0.6
6	☐	500.000	500.686	506848.65	3.4004	P	1.7
7	☐	1000.000	1000.324	1021872.88	6.7937	P	1.0
8	☐			314.45	0.0021	P	13.0

$$y = 0.0068 * x + 6.4347\text{E-}005$$

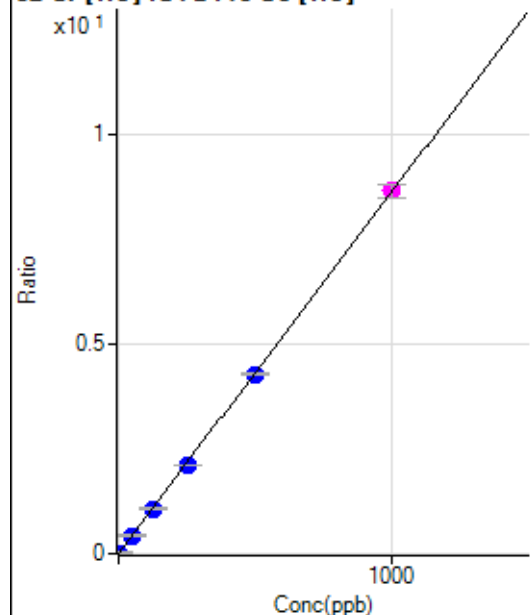
$$R = 1.0000$$

$$DL = 0.009672$$

$$BEC = 0.009475$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	584.47	0.0038	P	2.7
2	☐	2.000	2.209	3312.64	0.0228	P	11.4
3	☐	50.000	50.093	67857.89	0.4357	P	0.8
4	☐	125.000	124.387	164887.94	1.0764	P	0.7
5	☐	250.000	245.065	320715.71	2.1171	P	0.6
6	☐	500.000	495.455	637437.53	4.2765	P	1.1
7	☐	1000.000	1003.578	1302041.01	8.6584	M	3.8
8	☐			10489.50	0.0699	P	0.8

$$y = 0.0086 * x + 0.0038$$

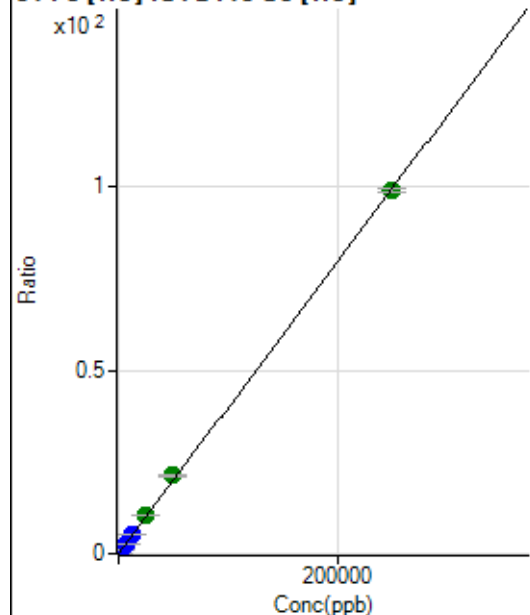
$$R = 1.0000$$

$$DL = 0.03558$$

$$BEC = 0.4355$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	579.65	0.0037	P	6.5
2	☐	50.000	55.656	3772.78	0.0258	P	1.2
3	☐	2500.000	2619.026	162596.07	1.0441	P	0.5
4	☐	6250.000	6468.049	394135.65	2.5731	P	0.8
5	☐	12500.000	12759.307	768338.07	5.0722	P	0.3
6	☐	25000.000	26913.439	1594127.67	10.6947	A	0.8
7	☐	50000.000	53650.925	3205770.88	21.3157	A	3.2
8	☐	250000.00	249058.86	14850859.13	98.9383	A	1.2

$$y = 3.9723E-004 * x + 0.0037$$

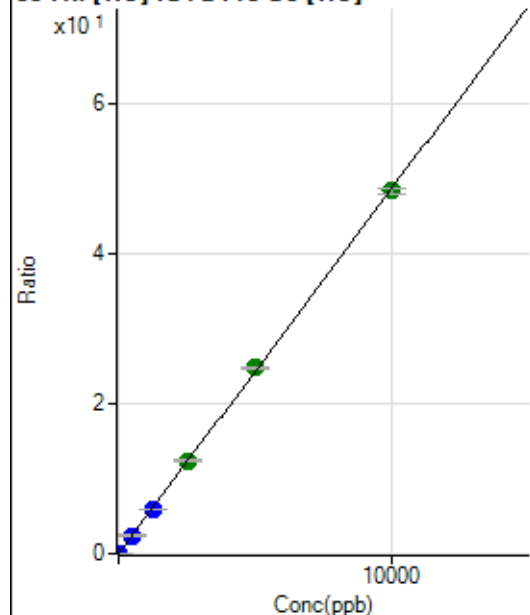
$$R = 0.9999$$

$$DL = 1.836$$

$$BEC = 9.378$$

Weight: <None>

Min Conc: 0

55 Mn [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	52.22	0.0003	P	21.7
2	☐	1.000	1.068	805.59	0.0055	P	6.5
3	☐	500.000	499.360	377790.89	2.4260	P	0.8
4	☐	1250.000	1225.741	912084.15	5.9543	P	0.4
5	☐	2500.000	2550.335	1876694.85	12.3885	A	1.0
6	☐	5000.000	5091.305	3686329.73	24.7312	A	1.6
7	☐	10000.000	9944.828	7265770.24	48.3071	A	1.6
8	☐			3634.94	0.0242	P	2.3

$$y = 0.0049 * x + 3.3530E-004$$

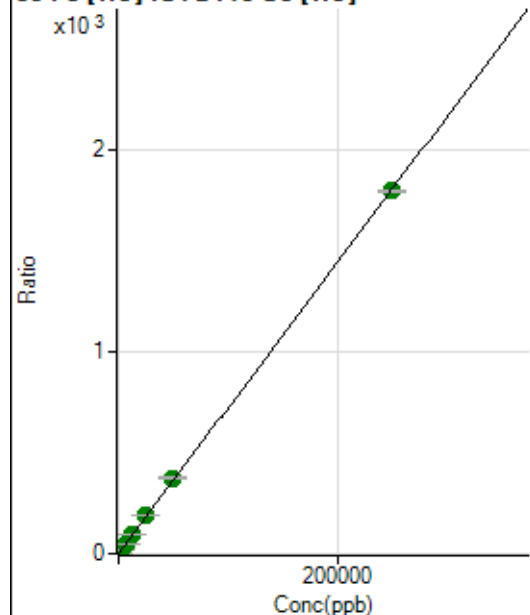
$$R = 0.9999$$

$$DL = 0.0449$$

$$BEC = 0.06903$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	4554.51	0.0293	P	3.1
2	☐	50.000	54.215	61058.14	0.4198	P	9.0
3	☐	2500.000	2716.520	3051548.33	19.5950	A	1.1
4	☐	6250.000	6506.791	7183291.31	46.8944	A	0.7
5	☐	12500.000	13132.708	14332813.86	94.6175	A	1.2
6	☐	25000.000	26138.353	28065470.77	188.2905	A	1.4
7	☐	50000.000	51918.551	56250937.37	373.9722	A	1.2
8	☐	250000.00	249462.23	269710870.8	1,796.778	A	0.6

$$y = 0.0072 * x + 0.0293$$

$$R = 1.0000$$

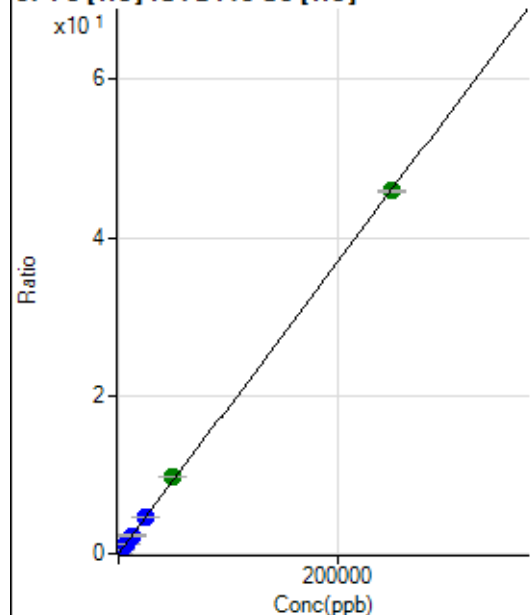
$$DL = 0.3725$$

$$BEC = 4.063$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	181.49	0.0012	P	24.6
2	☐	50.000	57.025	1700.13	0.0117	P	4.2
3	☐	2500.000	2572.848	73890.67	0.4745	P	1.5
4	☐	6250.000	6272.518	176943.07	1.1551	P	1.1
5	☐	12500.000	12521.176	349121.26	2.3047	P	0.7
6	☐	25000.000	25156.253	690015.59	4.6292	P	0.5
7	☐	50000.000	52902.641	1464221.81	9.7337	A	1.1
8	☐	250000.00	249401.49	6887446.05	45.8838	A	0.5

$$y = 1.8397\text{E-}004 * x + 0.0012$$

R = 0.9999

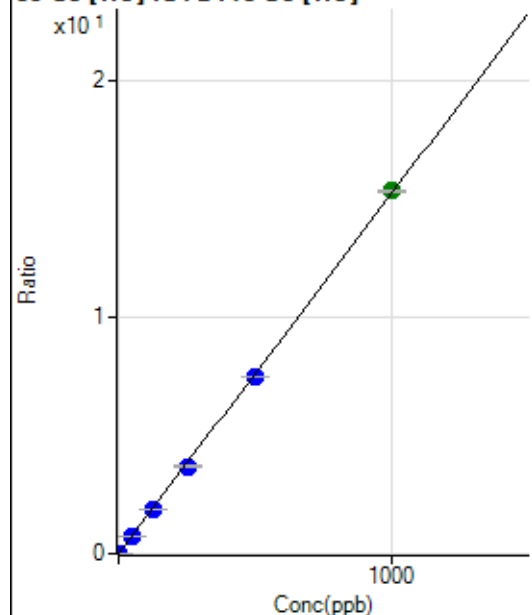
DL = 4.682

BEC = 6.351

Weight: <None>

Min Conc: 0

59 Co [He] ISTD:45 Sc [He]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	110.00	0.0007	P	14.8
2	☐	1.000	1.073	2478.02	0.0170	P	9.5
3	☐	50.000	49.992	118595.07	0.7616	P	2.0
4	☐	125.000	122.670	286095.01	1.8677	P	1.7
5	☐	250.000	242.744	559766.68	3.6953	P	0.5
6	☐	500.000	489.257	1110067.61	7.4472	P	0.2
7	☐	1000.000	1007.477	2306635.30	15.3344	A	0.4
8	☐			2079.07	0.0139	P	1.5

$$y = 0.0152 * x + 7.0664\text{E-}004$$

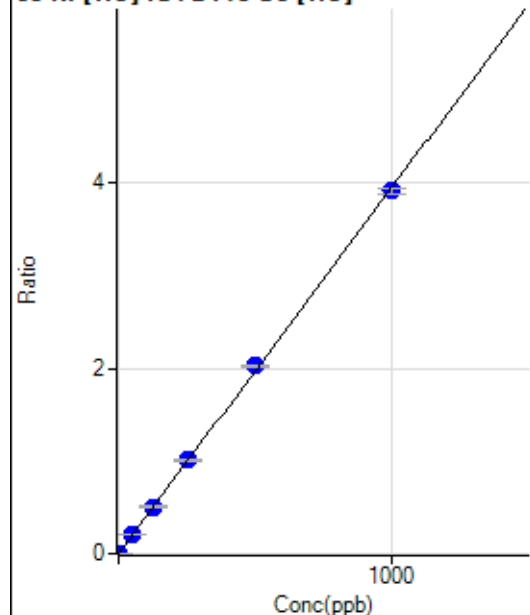
R = 0.9999

DL = 0.0206

BEC = 0.04643

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	74.45	0.0005	P	10.5
2	☐	1.000	1.139	724.47	0.0050	P	6.5
3	☐	50.000	52.831	32559.50	0.2091	P	1.0
4	☐	125.000	128.086	77542.26	0.5062	P	1.7
5	☐	250.000	254.940	152559.25	1.0071	P	0.8
6	☐	500.000	512.681	301807.73	2.0248	P	1.0
7	☐	1000.000	991.897	589139.90	3.9169	P	1.4
8	☐			1922.38	0.0128	P	3.5

$$y = 0.0039 * x + 4.7887E-004$$

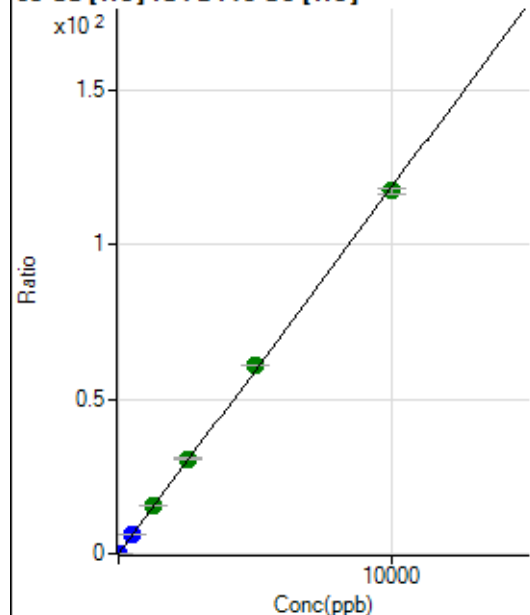
$$R = 0.9999$$

$$DL = 0.03833$$

$$BEC = 0.1213$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	600.02	0.0039	P	4.2
2	☐	2.000	2.222	4386.28	0.0302	P	10.4
3	☐	500.000	515.842	952051.87	6.1134	P	0.4
4	☐	1250.000	1309.169	2375680.83	15.5095	A	1.9
5	☐	2500.000	2591.373	4649980.94	30.6959	A	1.0
6	☐	5000.000	5140.343	9075573.89	60.8857	A	0.6
7	☐	10000.000	9898.797	17634797.79	117.2444	A	1.3
8	☐			3628.27	0.0242	P	3.3

$$y = 0.0118 * x + 0.0039$$

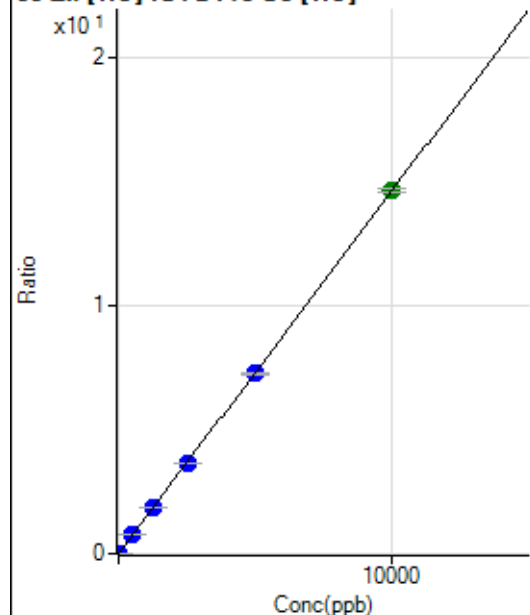
$$R = 0.9998$$

$$DL = 0.04087$$

$$BEC = 0.3256$$

Weight: <None>

Min Conc: 0

66 Zn [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	115.13	0.0007	P	15.1
2	☐	2.000	2.375	612.00	0.0042	P	12.6
3	☐	500.000	520.117	118215.53	0.7591	P	0.6
4	☐	1250.000	1269.572	283662.03	1.8519	P	1.0
5	☐	2500.000	2495.176	551236.49	3.6389	P	0.8
6	☐	5000.000	4964.970	1079168.62	7.2400	P	1.7
7	☐	10000.000	10015.269	2196715.20	14.6036	A	1.0
8	☐			12317.45	0.0821	P	2.7

$$y = 0.0015 * x + 7.4053E-004$$

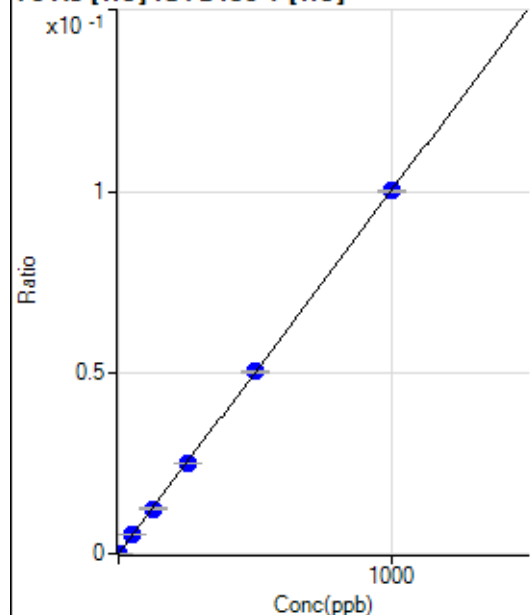
$$R = 1.0000$$

$$DL = 0.2298$$

$$BEC = 0.5079$$

Weight: <None>

Min Conc: 0

75 As [He] ISTD:89 Y [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3.33	0.0000	P	16.6
2	☐	1.000	1.086	128.35	0.0001	P	17.6
3	☐	50.000	51.411	6405.10	0.0052	P	1.0
4	☐	125.000	124.144	15332.17	0.0124	P	1.2
5	☐	250.000	249.312	30670.20	0.0250	P	0.8
6	☐	500.000	502.125	60330.95	0.0503	P	0.8
7	☐	1000.000	999.146	121458.48	0.1001	P	0.6
8	☐			29.33	0.0000	P	13.8

$$y = 1.0020E-004 * x + 2.6940E-006$$

$$R = 1.0000$$

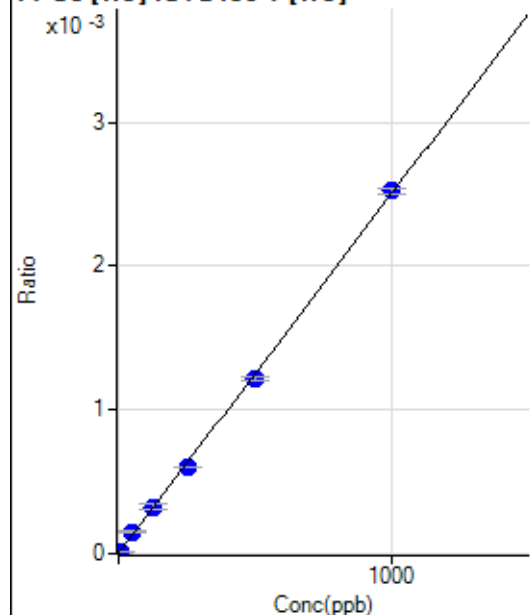
$$DL = 0.0134$$

$$BEC = 0.02689$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3.33	0.0000	P	99.7
2	☐	5.000	3.815	14.44	0.0000	P	47.0
3	☐	50.000	59.395	187.78	0.0002	P	7.1
4	☐	125.000	129.623	402.23	0.0003	P	9.6
5	☐	250.000	240.569	741.14	0.0006	P	0.5
6	☐	500.000	485.960	1458.98	0.0012	P	2.6
7	☐	1000.000	1008.336	3059.25	0.0025	P	1.7
8	☐			2.22	0.0000	P	86.6

$$y = 2.4983\text{E-}006 * x + 2.7011\text{E-}006$$

$$R = 0.9997$$

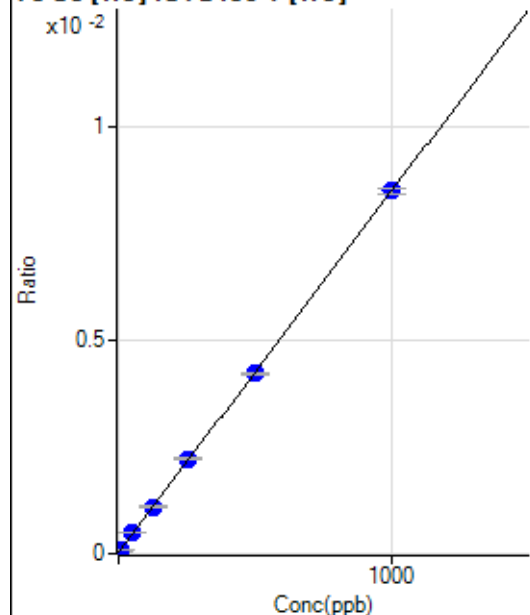
$$DL = 3.233$$

$$BEC = 1.081$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	35.00	0.0000	P	13.5
2	☐	5.000	6.364	95.01	0.0001	P	10.4
3	☐	50.000	55.571	619.08	0.0005	P	0.9
4	☐	125.000	126.448	1352.54	0.0011	P	2.8
5	☐	250.000	257.889	2711.21	0.0022	P	1.7
6	☐	500.000	494.245	5044.42	0.0042	P	2.0
7	☐	1000.000	1000.439	10295.81	0.0085	P	1.4
8	☐			46.67	0.0000	P	13.9

$$y = 8.4548\text{E-}006 * x + 2.8319\text{E-}005$$

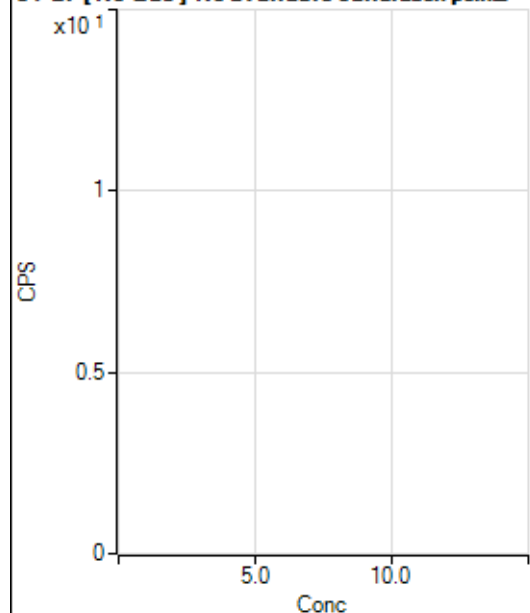
$$R = 0.9999$$

$$DL = 1.354$$

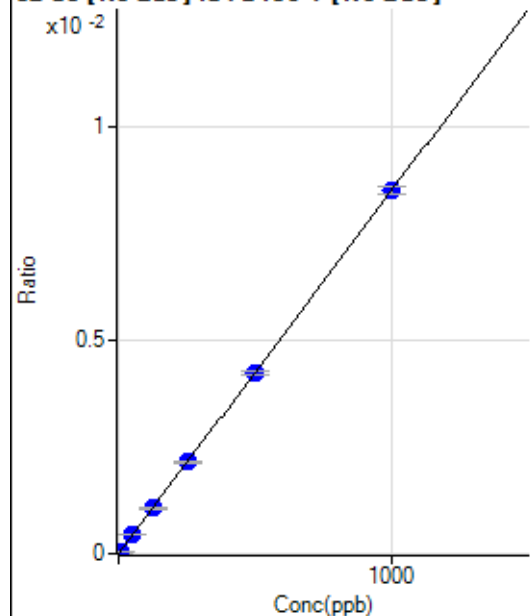
$$BEC = 3.349$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			37459.55		P	1.2
2	☐			39158.69		P	2.9
3	☐			37286.86		P	2.7
4	☐			36994.34		P	3.7
5	☐			36105.99		P	2.0
6	☐			36646.26		P	1.2
7	☐			38069.38		P	0.2
8	☐			36883.11		P	1.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	0.00	0.0000	P	-15486.
2	☐	5.000	5.348	504.12	0.0000	P	8.4
3	☐	50.000	53.726	5021.21	0.0005	P	1.0
4	☐	125.000	125.452	11912.12	0.0011	P	3.7
5	☐	250.000	252.988	23761.25	0.0022	P	1.6
6	☐	500.000	498.913	46501.49	0.0043	P	1.8
7	☐	1000.000	999.552	91568.40	0.0085	P	2.3
8	☐			99.99	0.0000	P	29.4

$$y = 8.5189E-006 * x - 4.3740E-009$$

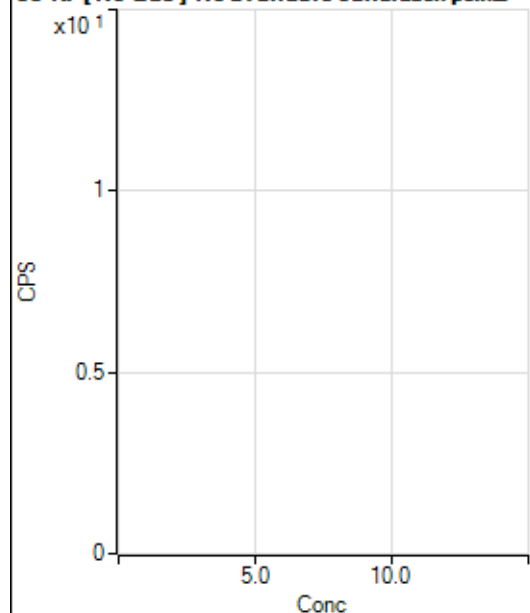
$$R = 1.0000$$

$$DL = 0.2386$$

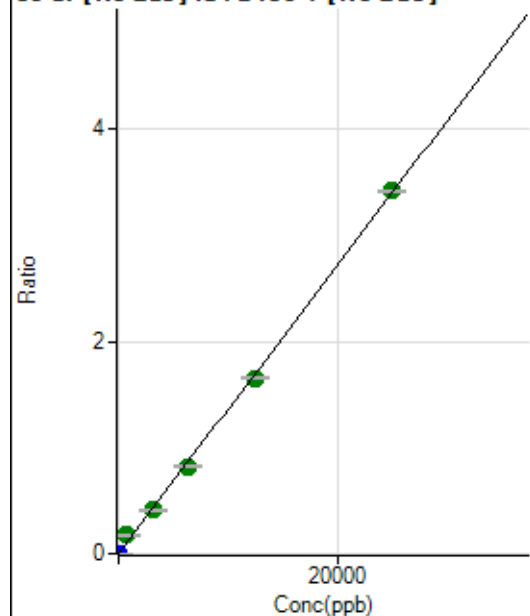
$$BEC = -0.0005135$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			242.05		P	4.7
2	☐			254.97		P	1.8
3	☐			241.22		P	3.9
4	☐			252.05		P	6.8
5	☐			245.80		P	6.9
6	☐			259.14		P	9.9
7	☐			251.22		P	6.1
8	☐			235.80		P	4.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	391.68	0.0000	P	10.8
2	☐	1.000	1.009	1905.73	0.0002	P	5.3
3	☐	625.000	1277.284	1901403.17	0.1733	A	2.0
4	☐	3125.000	3017.760	4563901.62	0.4094	A	2.4
5	☐	6250.000	6053.607	9054157.23	0.8212	A	1.1
6	☐	12500.000	12208.595	18121818.98	1.6562	A	1.1
7	☐	25000.000	25191.899	36762954.64	3.4175	A	0.6
8	☐			10092.83	0.0010	P	5.9

$$y = 1.3566E-004 * x + 3.5343E-005$$

$$R = 0.9994$$

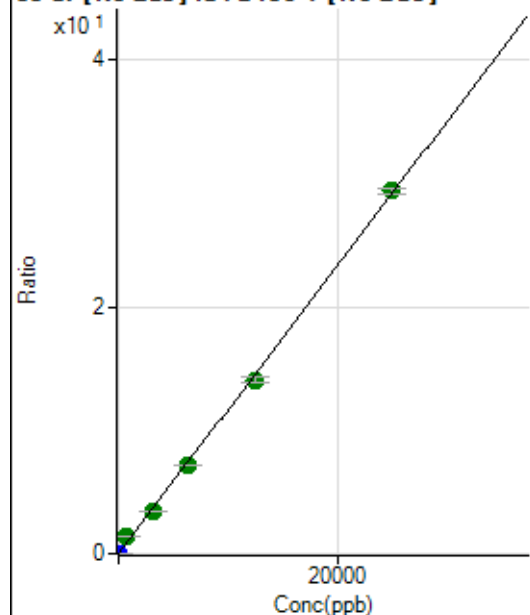
$$DL = 0.08428$$

$$BEC = 0.2605$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	175.01	0.0000	P	24.4
2	☐	1.000	0.977	12775.63	0.0012	P	3.1
3	☐	625.000	1255.662	16063762.69	1.4642	A	0.6
4	☐	3125.000	2977.869	38713282.11	3.4724	A	0.6
5	☐	6250.000	6141.356	78956853.15	7.1612	A	1.4
6	☐	12500.000	12099.295	154338618.7	14.1084	A	3.0
7	☐	25000.000	25230.139	316413465.4	29.4197	A	1.9
8	☐			83996.59	0.0079	P	8.1

$$y = 0.0012 * x + 1.5759E-005$$

$$R = 0.9994$$

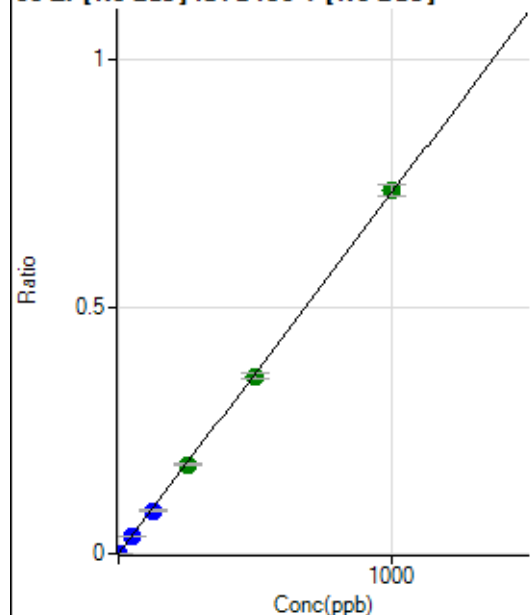
$$DL = 0.009875$$

$$BEC = 0.01351$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	461.13	0.0000	P	6.6
2	☐	1.000	0.907	7794.03	0.0007	P	1.8
3	☐	50.000	50.226	403089.02	0.0367	P	0.8
4	☐	125.000	119.226	971522.44	0.0872	P	2.9
5	☐	250.000	246.882	1989261.13	0.1804	A	1.7
6	☐	500.000	492.563	3937733.29	0.3599	A	2.9
7	☐	1000.000	1005.208	7898156.34	0.7345	A	3.0
8	☐			1919.63	0.0002	P	16.2

$$y = 7.3068E-004 * x + 4.1568E-005$$

$$R = 0.9999$$

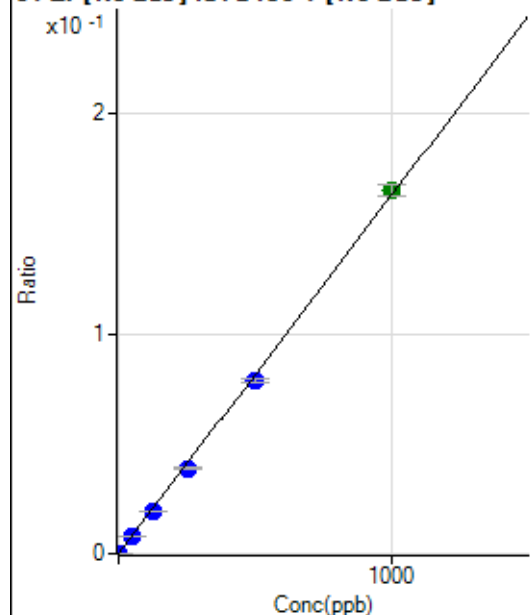
$$DL = 0.01128$$

$$BEC = 0.05689$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	75.00	0.0000	P	12.1
2	☐	1.000	0.965	1814.07	0.0002	P	9.1
3	☐	50.000	49.684	88897.35	0.0081	P	1.7
4	☐	125.000	118.362	215053.30	0.0193	P	3.5
5	☐	250.000	238.323	428217.73	0.0388	P	1.7
6	☐	500.000	483.112	861317.57	0.0787	P	2.5
7	☐	1000.000	1012.209	1773592.40	0.1649	A	3.2
8	☐			355.57	0.0000	P	21.1

$$y = 1.6295E-004 * x + 6.7682E-006$$

$$R = 0.9997$$

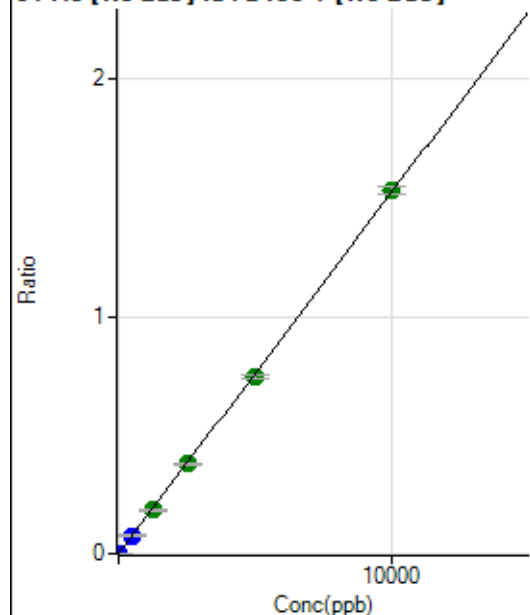
$$DL = 0.01507$$

$$BEC = 0.04153$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	105.56	0.0000	P	12.4
2	☐	5.000	5.775	9820.40	0.0009	P	2.7
3	☐	500.000	505.237	842928.46	0.0768	P	1.2
4	☐	1250.000	1214.976	2059415.13	0.1847	A	2.9
5	☐	2500.000	2479.835	4157278.09	0.3771	A	0.6
6	☐	5000.000	4920.234	8184729.09	0.7481	A	2.3
7	☐	10000.000	10049.040	16434209.92	1.5280	A	2.1
8	☐			3400.54	0.0003	P	21.0

$$y = 1.5205E-004 * x + 9.5220E-006$$

$$R = 0.9999$$

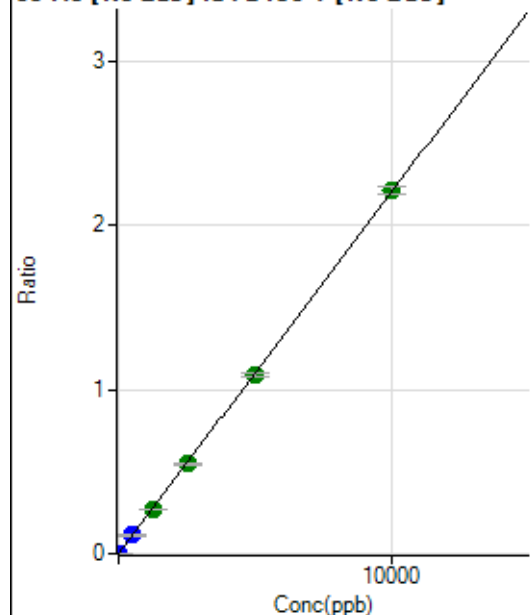
$$DL = 0.02338$$

$$BEC = 0.06262$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	61.11	0.0000	P	32.6
2	☐	5.000	4.815	11794.24	0.0011	P	7.8
3	☐	500.000	505.616	1222444.47	0.1114	P	1.3
4	☐	1250.000	1217.062	2989617.97	0.2682	A	3.1
5	☐	2500.000	2478.930	6022267.37	0.5463	A	2.3
6	☐	5000.000	4949.157	11931250.35	1.0906	A	2.4
7	☐	10000.000	10034.526	23786377.96	2.2112	A	2.2
8	☐			4484.21	0.0004	P	13.9

$$y = 2.2036\text{E-}004 * x + 5.5221\text{E-}006$$

$$R = 1.0000$$

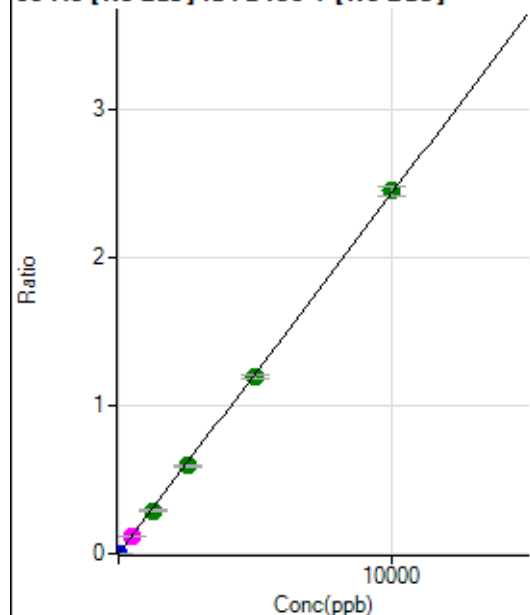
$$DL = 0.0245$$

$$BEC = 0.02506$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	83.34	0.0000	P	10.2
2	☐	5.000	4.697	12703.32	0.0011	P	3.0
3	☐	500.000	500.969	1334968.49	0.1217	M	2.3
4	☐	1250.000	1201.157	3251751.74	0.2917	A	3.3
5	☐	2500.000	2436.191	6523278.61	0.5917	A	1.0
6	☐	5000.000	4894.703	13005284.32	1.1888	A	2.5
7	☐	10000.000	10074.658	26316321.77	2.4468	A	2.8
8	☐			8094.27	0.0008	P	4.2

$$y = 2.4287\text{E-}004 * x + 7.5160\text{E-}006$$

$$R = 0.9999$$

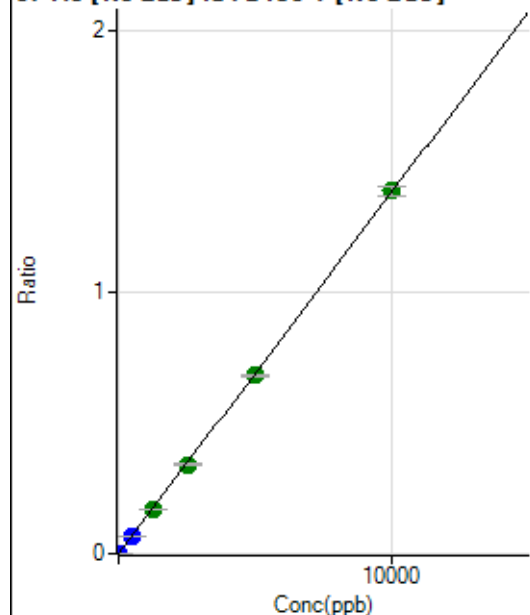
$$DL = 0.009501$$

$$BEC = 0.03095$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	19.44	0.0000	P	49.9
2	☐	5.000	4.708	7202.05	0.0007	P	4.5
3	☐	500.000	498.487	754079.52	0.0687	P	0.6
4	☐	1250.000	1215.385	1867969.42	0.1676	A	2.8
5	☐	2500.000	2467.054	3750156.85	0.3402	A	1.4
6	☐	5000.000	4929.368	7436530.89	0.6797	A	1.5
7	☐	10000.000	10047.955	14900911.79	1.3854	A	2.6
8	☐			2753.14	0.0003	P	10.5

$$y = 1.3788\text{E-}004 * x + 1.7573\text{E-}006$$

$$R = 1.0000$$

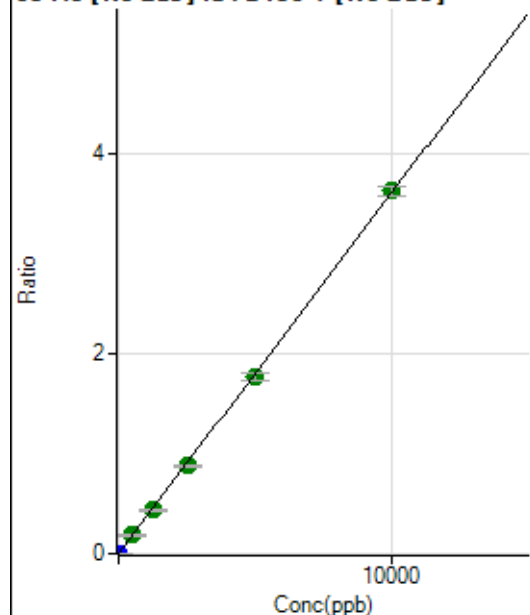
$$DL = 0.01908$$

$$BEC = 0.01275$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	47.23	0.0000	P	41.2
2	☐	5.000	4.797	19133.11	0.0017	P	3.2
3	☐	500.000	509.073	2008852.06	0.1831	A	1.1
4	☐	1250.000	1207.409	4841126.24	0.4343	A	2.2
5	☐	2500.000	2439.028	9671720.88	0.8772	A	1.1
6	☐	5000.000	4907.254	19305111.37	1.7650	A	4.3
7	☐	10000.000	10066.486	38933268.58	3.6206	A	2.5
8	☐			7038.17	0.0007	P	21.9

$$y = 3.5967\text{E-}004 * x + 4.2667\text{E-}006$$

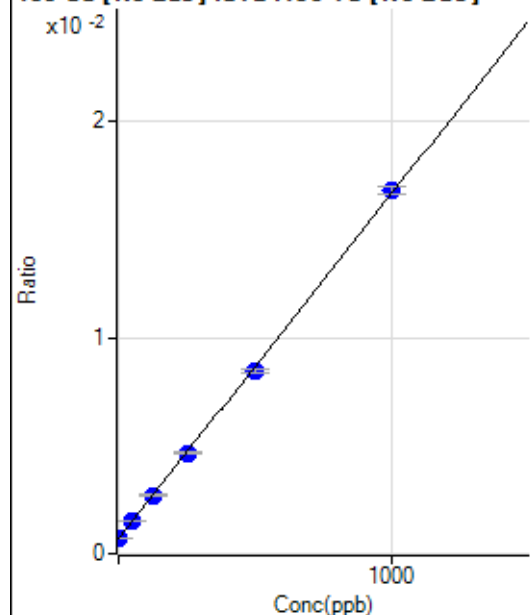
$$R = 0.9999$$

$$DL = 0.01467$$

$$BEC = 0.01186$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	5723.57	0.0007	P	3.4
2	☐	1.000	0.683	5823.62	0.0007	P	3.4
3	☐	50.000	51.501	12583.80	0.0015	P	2.6
4	☐	125.000	124.455	22343.71	0.0027	P	3.3
5	☐	250.000	248.672	38449.11	0.0047	P	2.8
6	☐	500.000	484.190	70752.07	0.0084	P	2.2
7	☐	1000.000	1008.230	138180.58	0.0168	P	2.1
8	☐			5209.46	0.0006	P	1.9

$$y = 1.5959\text{E-}005 * x + 6.9098\text{E-}004$$

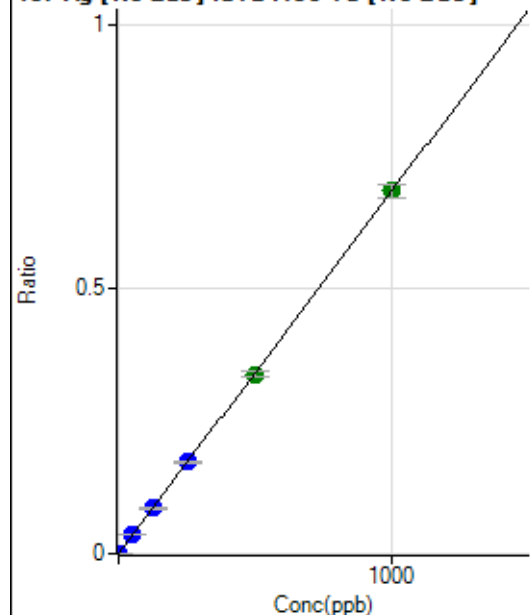
$$R = 0.9998$$

$$DL = 4.394$$

$$BEC = 43.3$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	75.00	0.0000	P	18.2
2	☐	1.000	1.021	5879.21	0.0007	P	1.1
3	☐	50.000	51.685	294553.12	0.0354	P	1.3
4	☐	125.000	125.521	717578.76	0.0860	P	1.6
5	☐	250.000	252.647	1427984.81	0.1731	P	2.4
6	☐	500.000	495.319	2851229.99	0.3393	A	3.0
7	☐	1000.000	1001.529	5646998.78	0.6860	A	3.6
8	☐			2386.39	0.0003	P	9.1

$$y = 6.8493\text{E-}004 * x + 9.0464\text{E-}006$$

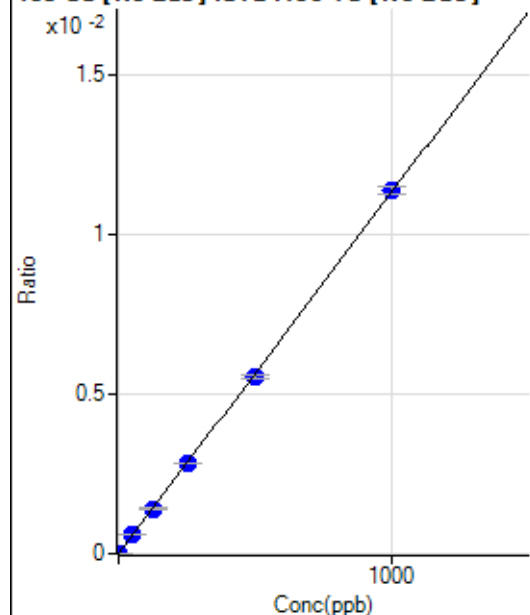
$$R = 1.0000$$

$$DL = 0.007228$$

$$BEC = 0.01321$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	15.28	0.0000	P	41.5
2	☐	1.000	0.980	106.95	0.0000	P	43.7
3	☐	50.000	52.209	4931.50	0.0006	P	3.8
4	☐	125.000	124.044	11734.27	0.0014	P	4.1
5	☐	250.000	250.386	23408.94	0.0028	P	1.7
6	☐	500.000	490.763	46708.22	0.0056	P	2.0
7	☐	1000.000	1004.531	93650.22	0.0114	P	2.0
8	☐			81.95	0.0000	P	24.8

$$y = 1.1320\text{E-}005 * x + 1.8422\text{E-}006$$

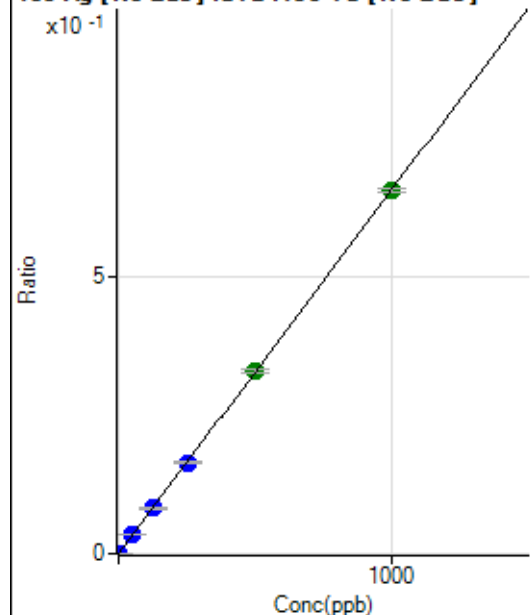
$$R = 0.9999$$

$$DL = 0.2025$$

$$BEC = 0.1627$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	22.22	0.0000	P	77.2
2	☐	1.000	0.996	5434.57	0.0007	P	5.6
3	☐	50.000	51.843	282714.45	0.0340	P	1.7
4	☐	125.000	125.309	685633.37	0.0821	P	2.8
5	☐	250.000	250.771	1356503.76	0.1644	P	3.0
6	☐	500.000	503.743	2775708.57	0.3302	A	1.6
7	☐	1000.000	997.805	5388585.67	0.6541	A	1.0
8	☐			2216.90	0.0003	P	9.5

$$y = 6.5556\text{E-}004 * x + 2.6700\text{E-}006$$

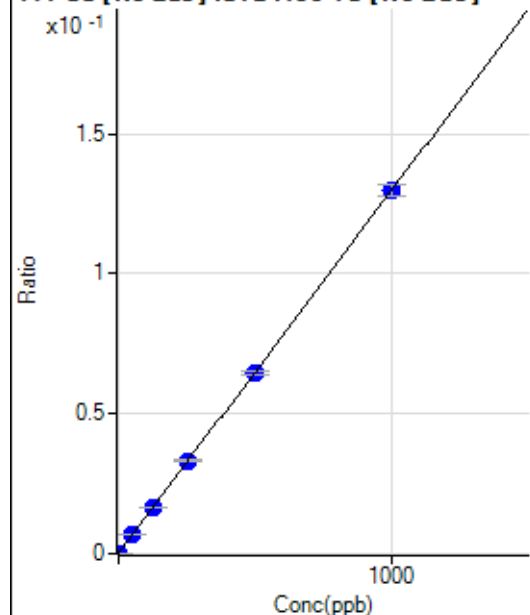
$$R = 1.0000$$

$$DL = 0.009431$$

$$BEC = 0.004073$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1147.91	0.0001	P	3.5
2	☐	1.000	1.054	2282.99	0.0003	P	2.3
3	☐	50.000	53.199	58482.70	0.0070	P	2.1
4	☐	125.000	127.752	139291.92	0.0167	P	0.9
5	☐	250.000	255.583	274396.39	0.0333	P	1.9
6	☐	500.000	498.336	543807.14	0.0647	P	2.0
7	☐	1000.000	998.932	1066584.57	0.1296	P	3.0
8	☐			1345.65	0.0002	P	2.4

$$y = 1.2956\text{E-}004 * x + 1.3858\text{E-}004$$

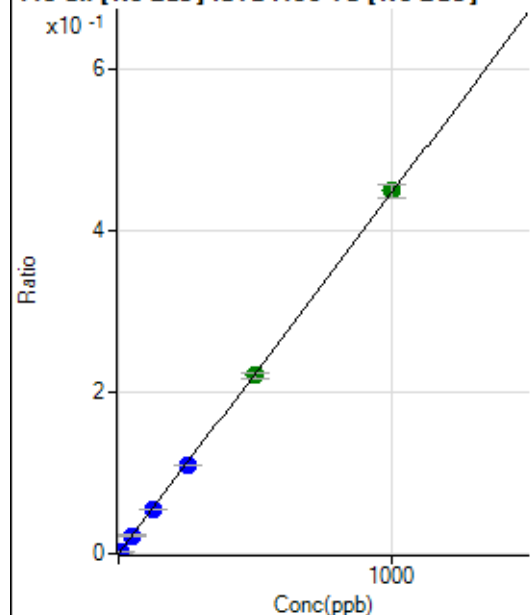
$$R = 1.0000$$

$$DL = 0.1125$$

$$BEC = 1.07$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	416.69	0.0001	P	9.4
2	☐	5.000	4.839	18323.94	0.0022	P	3.3
3	☐	50.000	50.341	187153.21	0.0225	P	1.8
4	☐	125.000	122.256	455461.78	0.0546	P	1.5
5	☐	250.000	244.816	901398.46	0.1092	P	0.8
6	☐	500.000	492.803	1847412.98	0.2198	A	2.4
7	☐	1000.000	1005.221	3691651.60	0.4483	A	3.4
8	☐			2116.89	0.0003	P	10.0

$$y = 4.4596\text{E-}004 * x + 5.0322\text{E-}005$$

$$R = 0.9999$$

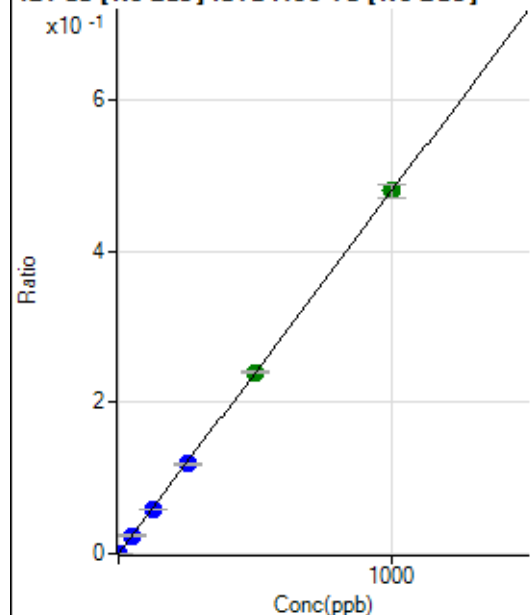
$$DL = 0.03183$$

$$BEC = 0.1128$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	52.78	0.0000	P	23.1
2	☐	2.000	1.993	7977.55	0.0010	P	3.7
3	☐	50.000	50.189	200194.80	0.0241	P	1.9
4	☐	125.000	122.233	489126.09	0.0586	P	2.0
5	☐	250.000	248.224	982039.94	0.1190	P	2.2
6	☐	500.000	499.306	2012163.76	0.2394	A	1.3
7	☐	1000.000	1001.127	3950561.50	0.4800	A	3.7
8	☐			2461.40	0.0003	P	6.8

$$y = 4.7942\text{E-}004 * x + 6.3635\text{E-}006$$

$$R = 1.0000$$

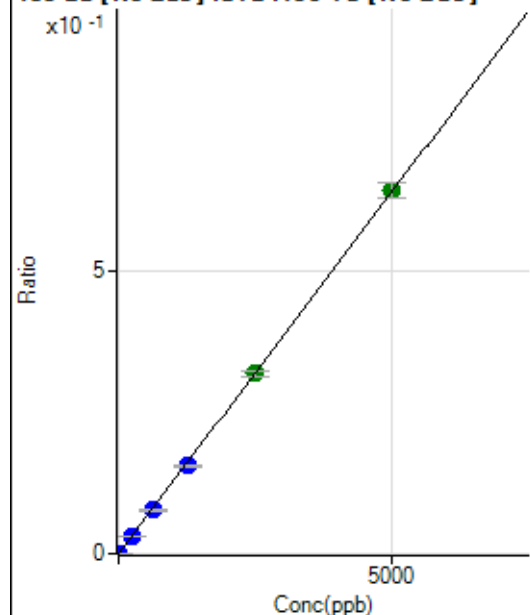
$$DL = 0.0092$$

$$BEC = 0.01327$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	11.11	0.0000	P	113.9
2	☐	10.000	9.445	10023.39	0.0012	P	5.1
3	☐	250.000	245.709	261247.01	0.0314	P	1.7
4	☐	625.000	599.250	639279.71	0.0766	P	2.8
5	☐	1250.000	1213.860	1280326.97	0.1552	P	2.5
6	☐	2500.000	2487.595	2672071.57	0.3180	A	2.8
7	☐	5000.000	5018.672	5278924.64	0.6415	A	4.3
8	☐			2933.73	0.0004	P	3.8

$$y = 1.2782\text{E-}004 * x + 1.3338\text{E-}006$$

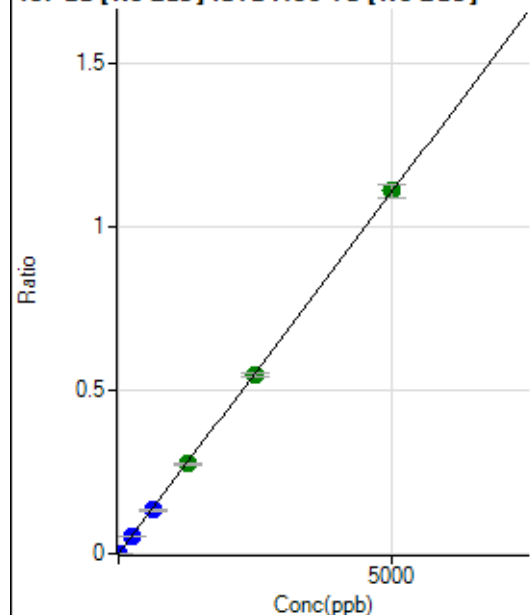
$$R = 1.0000$$

$$DL = 0.03565$$

$$BEC = 0.01043$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	25.00	0.0000	P	57.7
2	☐	10.000	9.586	17620.37	0.0021	P	2.3
3	☐	250.000	249.165	458617.49	0.0551	P	1.1
4	☐	625.000	602.596	1112790.38	0.1333	P	1.6
5	☐	1250.000	1238.524	2261412.16	0.2740	A	2.0
6	☐	2500.000	2475.955	4604606.57	0.5478	A	1.8
7	☐	5000.000	5017.735	9138475.12	1.1102	A	3.8
8	☐			5968.15	0.0007	P	5.2

$$y = 2.2126E-004 * x + 3.0164E-006$$

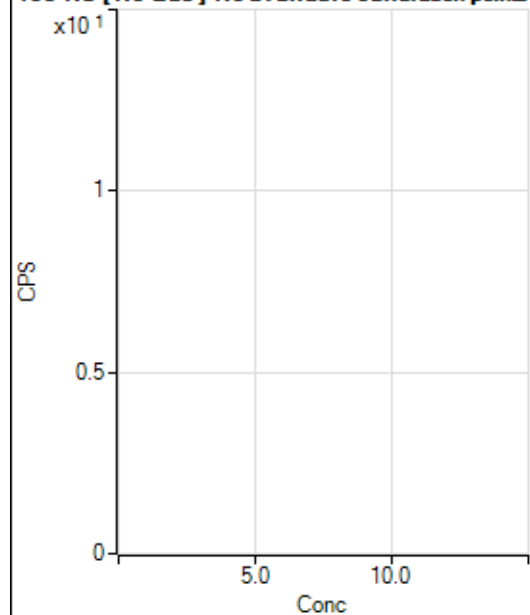
$$R = 1.0000$$

$$DL = 0.02359$$

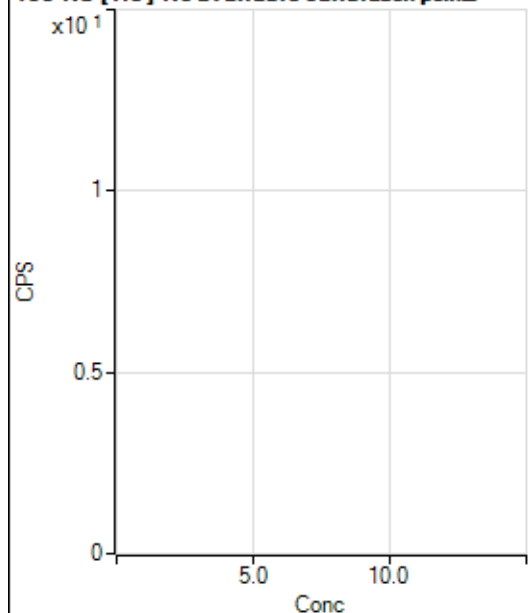
$$BEC = 0.01363$$

Weight: <None>

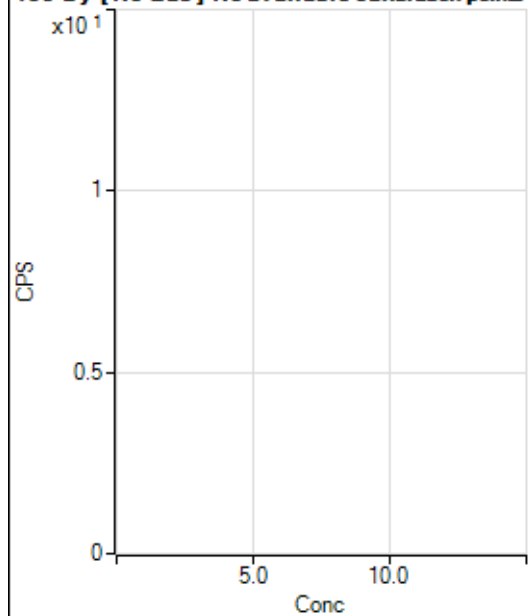
Min Conc: 0

150 Nd [No Gas] No available calibration points

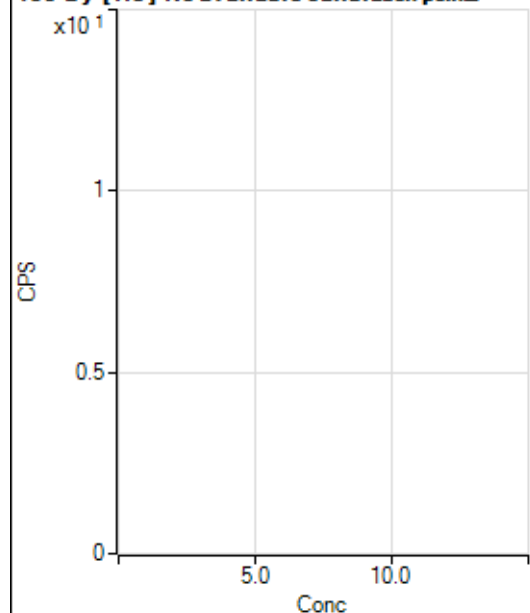
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			0.00		P	
2	☐			17.78		P	57.3
3	☐			57.78		P	52.0
4	☐			104.45		P	28.8
5	☐			268.90		P	31.4
6	☐			504.47		P	12.3
7	☐			957.83		P	3.6
8	☐			33.33		P	87.2

150 Nd [He] No available calibration points

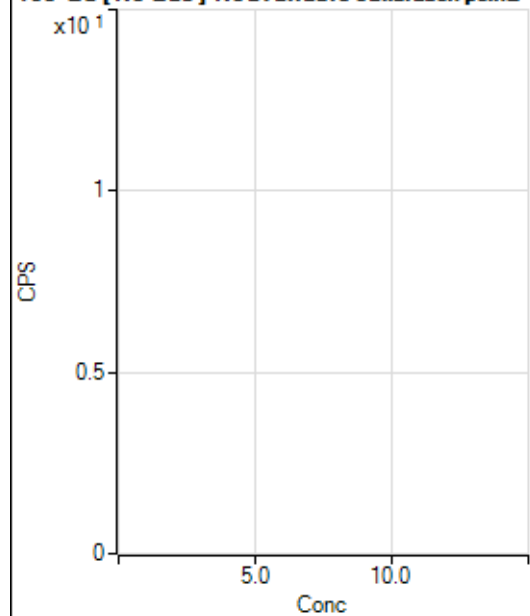
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			0.00		P	
2	☐			1.11		P	173.2
3	☐			1.11		P	173.2
4	☐			8.89		P	78.1
5	☐			13.33		P	50.0
6	☐			32.22		P	33.3
7	☐			58.89		P	32.2
8	☐			8.89		P	43.3

156 Dy [No Gas] No available calibration points

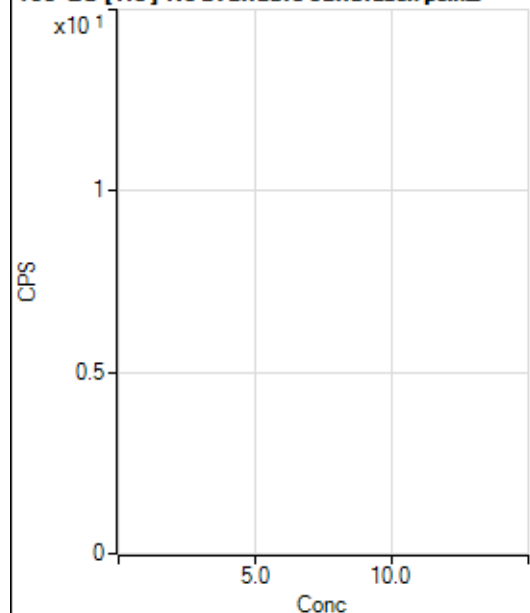
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			8.33		P	100.0
2	☐			8.33		P	100.0
3	☐			22.22		P	78.1
4	☐			55.56		P	22.9
5	☐			136.12		P	33.7
6	☐			180.56		P	26.2
7	☐			358.35		P	6.2
8	☐			1055.63		P	10.2

156 Dy [He] No available calibration points

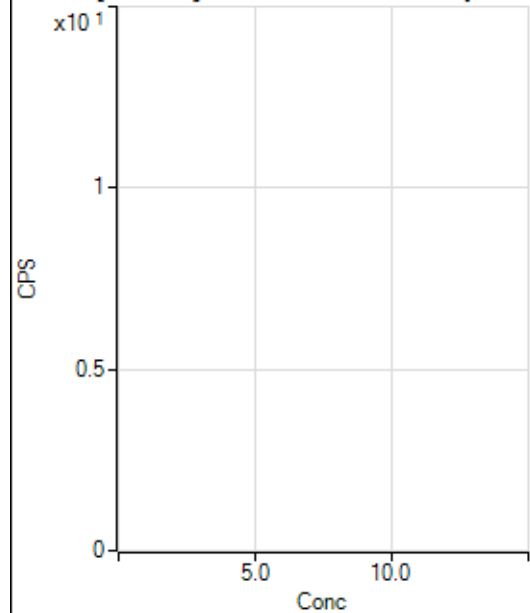
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			3.33		P	100.1
2	☐			2.22		P	173.2
3	☐			13.33		P	NaN
4	☐			25.56		P	19.9
5	☐			35.56		P	23.6
6	☐			93.33		P	7.1
7	☐			180.00		P	18.8
8	☐			438.90		P	9.1

160 Gd [No Gas] Noavailable calibration poin_

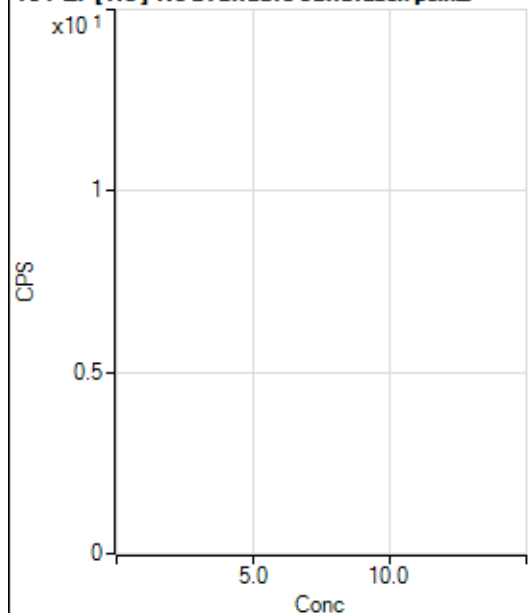
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			75.00		P	58.8
2	☐			55.55		P	8.7
3	☐			125.00		P	20.0
4	☐			102.78		P	33.8
5	☐			138.89		P	25.0
6	☐			183.34		P	7.9
7	☐			325.01		P	7.7
8	☐			1036.18		P	11.2

160 Gd [He] No available calibration points

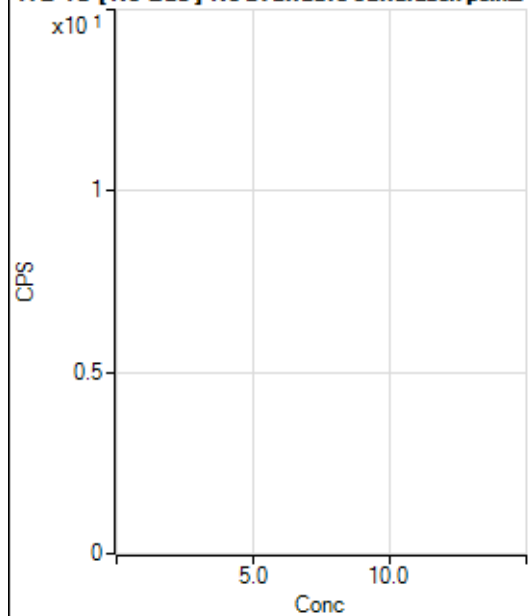
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			136.67		P	21.7
2	☐			105.56		P	7.9
3	☐			130.00		P	13.6
4	☐			145.56		P	10.3
5	☐			176.67		P	22.9
6	☐			165.56		P	13.4
7	☐			262.23		P	13.6
8	☐			665.58		P	11.5

164 Er [No Gas] No available calibration points

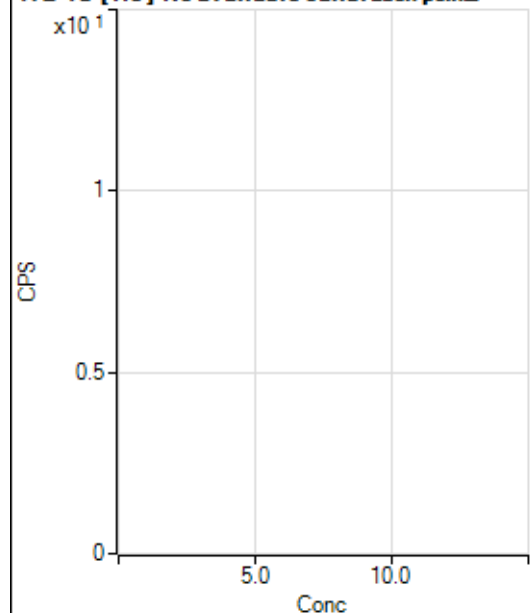
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			50.00		P	33.3
2	☐			63.89		P	39.8
3	☐			72.23		P	37.1
4	☐			61.11		P	43.8
5	☐			72.22		P	24.0
6	☐			100.00		P	8.3
7	☐			88.89		P	47.2
8	☐			91.67		P	15.7

164 Er [He] No available calibration points

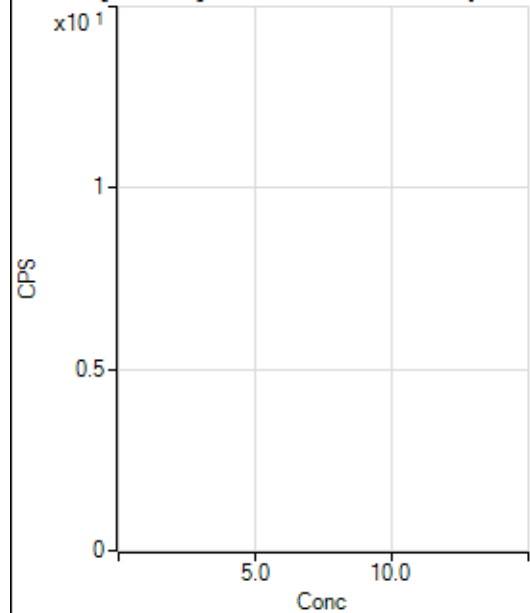
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			35.56		P	27.1
2	☐			31.11		P	6.2
3	☐			37.78		P	28.4
4	☐			27.78		P	60.4
5	☐			21.11		P	18.2
6	☐			34.44		P	14.8
7	☐			53.33		P	12.5
8	☐			28.89		P	29.0

172 Yb [No Gas] No available calibration points

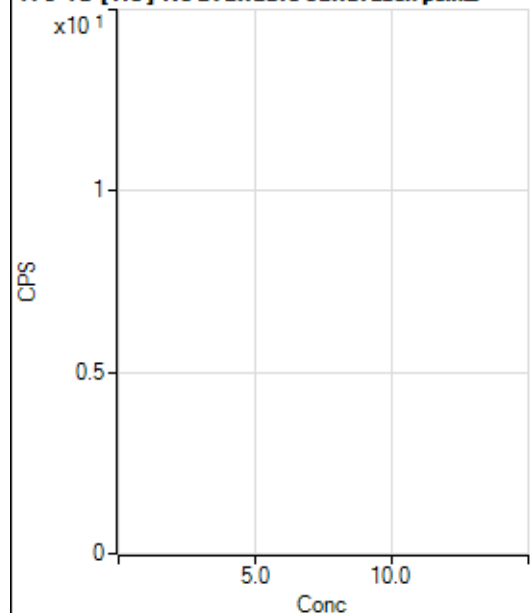
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			47.22		P	27.0
2	☐			55.56		P	31.2
3	☐			75.00		P	61.9
4	☐			38.89		P	65.5
5	☐			63.89		P	32.8
6	☐			97.23		P	17.8
7	☐			130.56		P	57.6
8	☐			452.80		P	13.1

172 Yb [He] No available calibration points

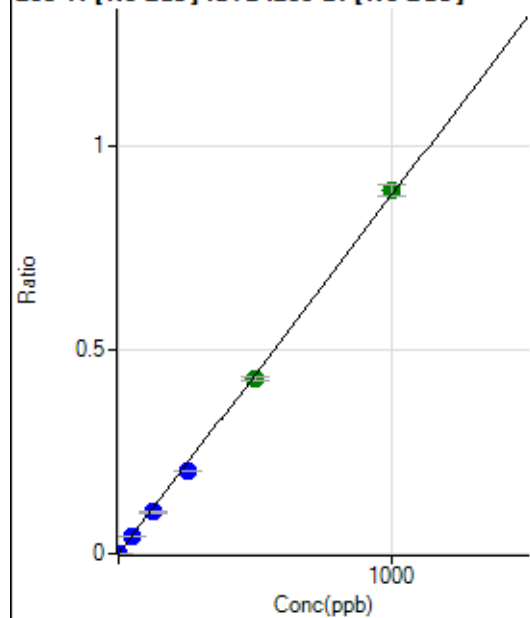
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			18.52		P	17.3
2	☐			24.07		P	35.2
3	☐			31.48		P	36.7
4	☐			22.22		P	50.0
5	☐			35.19		P	18.2
6	☐			42.59		P	39.8
7	☐			74.08		P	24.1
8	☐			211.12		P	11.5

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			1747.40		P	7.9
2	☐			1866.85		P	2.7
3	☐			2811.50		P	8.3
4	☐			4381.40		P	4.3
5	☐			6546.26		P	3.3
6	☐			10713.00		P	2.4
7	☐			21292.78		P	1.2
8	☐			1861.29		P	8.1

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			9983.56		P	2.5
2	☐			9327.56		P	7.7
3	☐			10269.01		P	1.3
4	☐			10930.65		P	1.3
5	☐			12369.03		P	3.8
6	☐			14150.43		P	1.3
7	☐			18963.87		P	1.6
8	☐			9779.70		P	4.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	100.00	0.0000	P	17.3
2	☐	1.000	0.919	4670.43	0.0008	P	4.6
3	☐	50.000	47.132	232903.78	0.0415	P	2.0
4	☐	125.000	117.536	571473.05	0.1036	P	3.9
5	☐	250.000	231.042	1139740.71	0.2036	P	1.0
6	☐	500.000	487.291	2397139.07	0.4294	A	1.8
7	☐	1000.000	1012.171	4870258.53	0.8918	A	3.1
8	☐			808.38	0.0002	P	20.8

$$y = 8.8107E-004 * x + 1.7683E-005$$

$$R = 0.9997$$

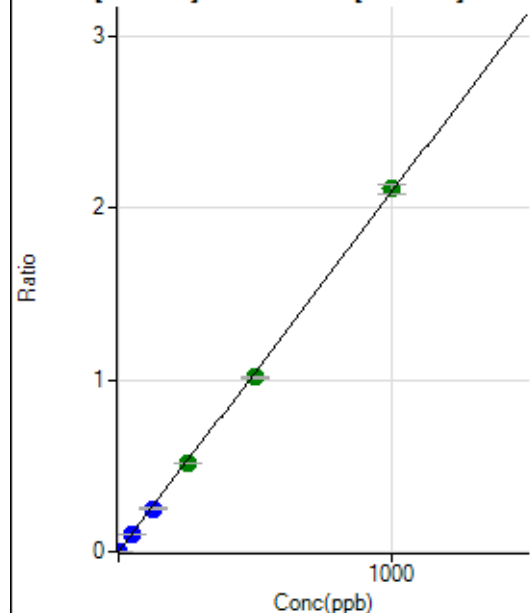
$$DL = 0.01041$$

$$BEC = 0.02007$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	263.90	0.0000	P	14.4
2	☐	1.000	0.916	11085.63	0.0020	P	3.2
3	☐	50.000	47.803	560929.29	0.1001	P	2.3
4	☐	125.000	119.064	1374656.84	0.2491	P	3.6
5	☐	250.000	246.923	2892318.68	0.5166	A	0.5
6	☐	500.000	485.041	5665219.57	1.0148	A	1.5
7	☐	1000.000	1009.101	11529623.78	2.1112	A	2.7
8	☐			2125.25	0.0004	P	13.5

$$y = 0.0021 * x + 4.6690E-005$$

$$R = 0.9998$$

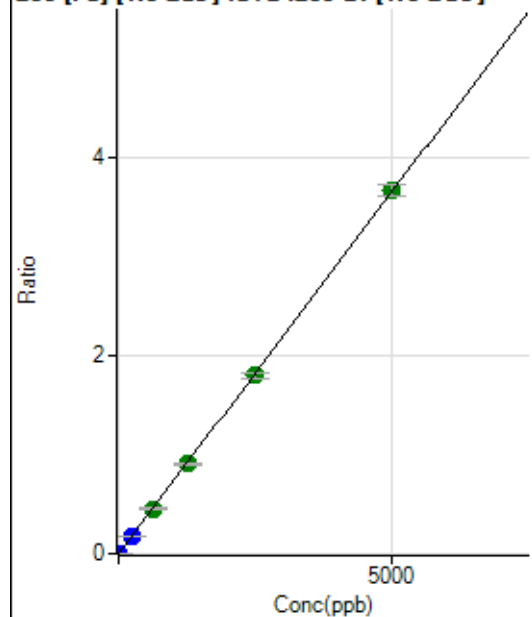
$$DL = 0.009617$$

$$BEC = 0.02232$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	561.14	0.0001	P	11.3
2	☐	1.000	0.932	4397.13	0.0008	P	1.2
3	☐	250.000	233.058	952762.98	0.1699	P	1.8
4	☐	625.000	615.206	2474042.30	0.4485	A	4.6
5	☐	1250.000	1242.436	5069846.41	0.9056	A	1.9
6	☐	2500.000	2465.815	10032214.69	1.7972	A	2.5
7	☐	5000.000	5021.055	19984274.29	3.6594	A	3.0
8	☐			4024.78	0.0008	P	4.9

$$y = 7.2879E-004 * x + 9.9217E-005$$

$$R = 1.0000$$

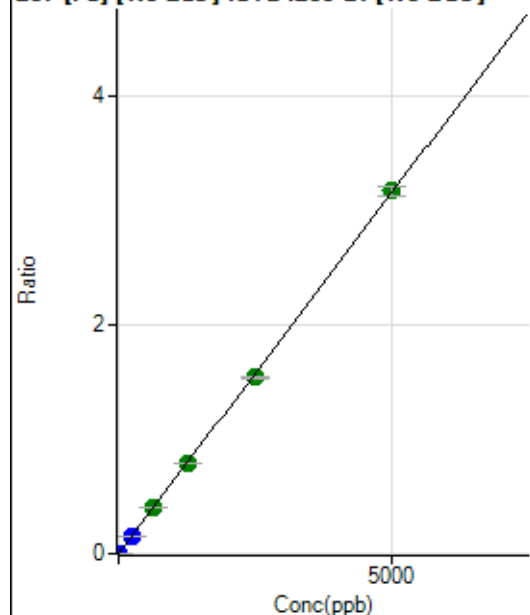
$$DL = 0.04604$$

$$BEC = 0.1361$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	474.09	0.0001	P	13.8
2	☐	1.000	0.948	3848.79	0.0007	P	1.1
3	☐	250.000	237.977	841380.50	0.1501	P	1.5
4	☐	625.000	635.905	2212395.20	0.4009	A	2.3
5	☐	1250.000	1246.714	4399662.31	0.7859	A	0.9
6	☐	2500.000	2444.063	8600649.44	1.5405	A	1.0
7	☐	5000.000	5028.028	17308891.94	3.1692	A	2.8
8	☐			3656.15	0.0007	P	2.6

$$y = 6.3028\text{E-}004 * x + 8.3754\text{E-}005$$

$$R = 0.9999$$

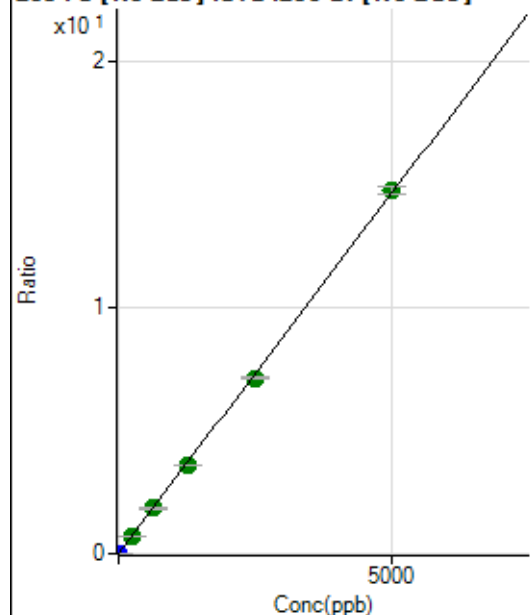
$$DL = 0.05506$$

$$BEC = 0.1329$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	2227.90	0.0004	P	2.5
2	☐	1.000	0.925	17503.09	0.0031	P	1.0
3	☐	250.000	243.437	3995174.59	0.7126	A	1.7
4	☐	625.000	627.112	10127856.14	1.8352	A	2.4
5	☐	1250.000	1231.254	20170304.56	3.6028	A	0.6
6	☐	2500.000	2440.404	39863503.27	7.1405	A	1.2
7	☐	5000.000	5034.549	80460504.69	14.7304	A	2.1
8	☐			16408.11	0.0033	P	5.6

$$y = 0.0029 * x + 3.9351\text{E-}004$$

$$R = 0.9999$$

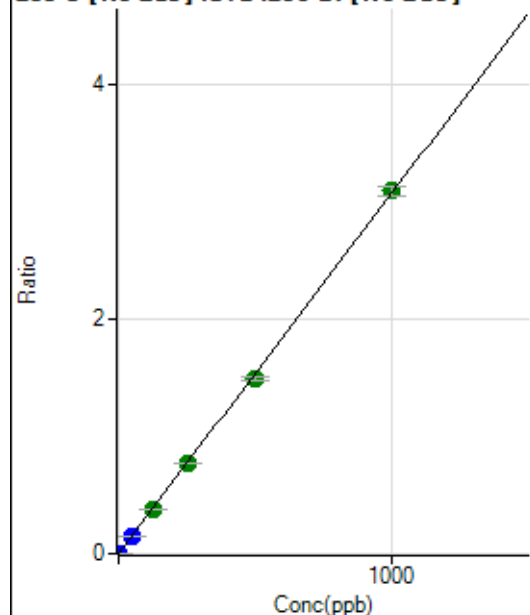
$$DL = 0.01013$$

$$BEC = 0.1345$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	80.56	0.0000	P	30.1
2	☐	1.000	0.936	16335.94	0.0029	P	3.6
3	☐	50.000	47.239	814640.52	0.1453	P	1.6
4	☐	125.000	123.291	2092710.49	0.3792	A	3.2
5	☐	250.000	250.378	4311159.38	0.7701	A	1.2
6	☐	500.000	486.628	8355281.52	1.4967	A	1.6
7	☐	1000.000	1006.943	16913491.35	3.0969	A	2.6
8	☐			1155.64	0.0002	P	30.0

$$y = 0.0031 * x + 1.4188E-005$$

$$R = 0.9999$$

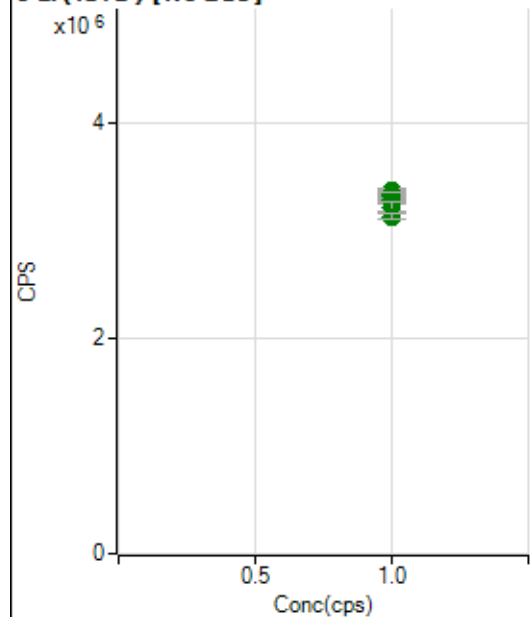
$$DL = 0.004161$$

$$BEC = 0.004613$$

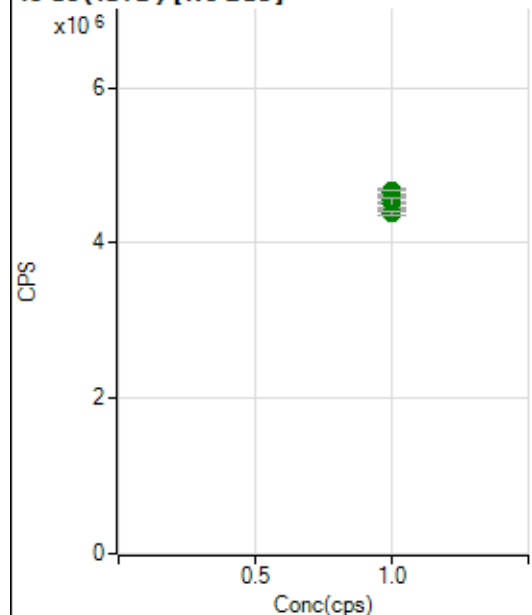
Weight: <None>

Min Conc: 0

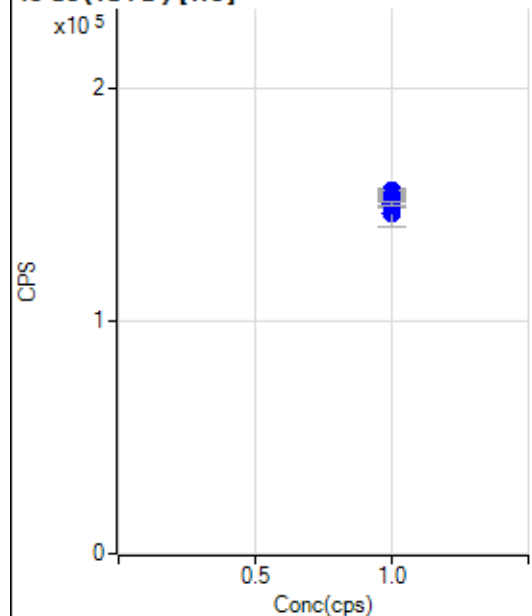
6 Li (ISTD) [No Gas]



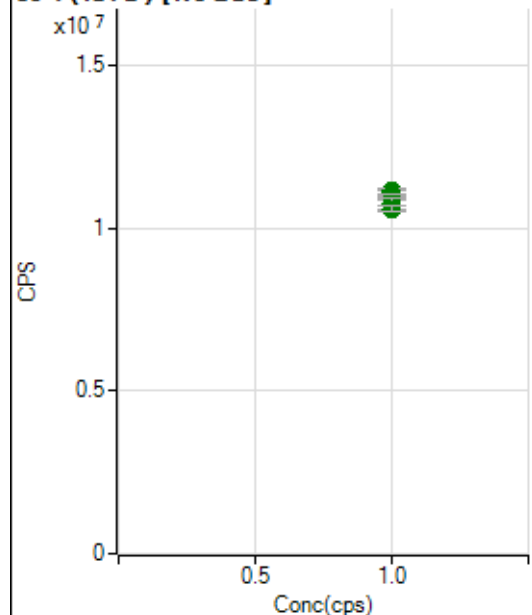
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3373202.00		A	1.2
2	☐	1.000		3351187.38		A	1.5
3	☐	1.000		3332264.59		A	2.7
4	☐	1.000		3296923.02		A	2.9
5	☐	1.000		3341254.77		A	1.5
6	☐	1.000		3269069.16		A	0.7
7	☐	1.000		3226573.66		A	3.3
8	☐	1.000		3134630.63		A	1.5

45 Sc (ISTD) [No Gas]

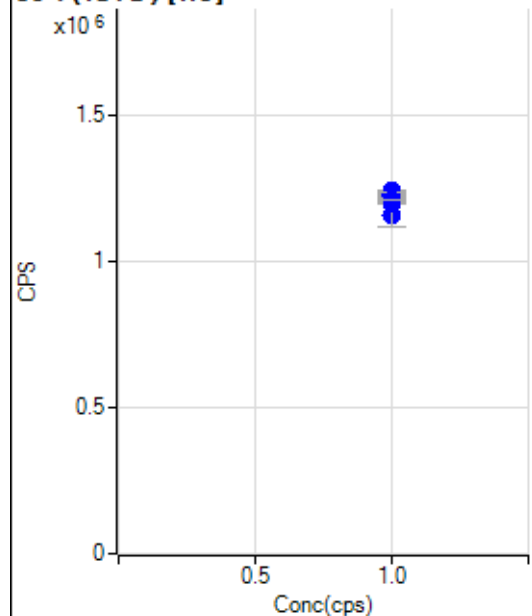
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4616633.89		A	0.9
2	☐	1.000		4668094.48		A	1.7
3	☐	1.000		4567736.98		A	1.4
4	☐	1.000		4641793.51		A	1.5
5	☐	1.000		4547512.95		A	1.6
6	☐	1.000		4506854.45		A	2.7
7	☐	1.000		4387339.55		A	1.7
8	☐	1.000		4383101.01		A	1.4

45 Sc (ISTD) [He]

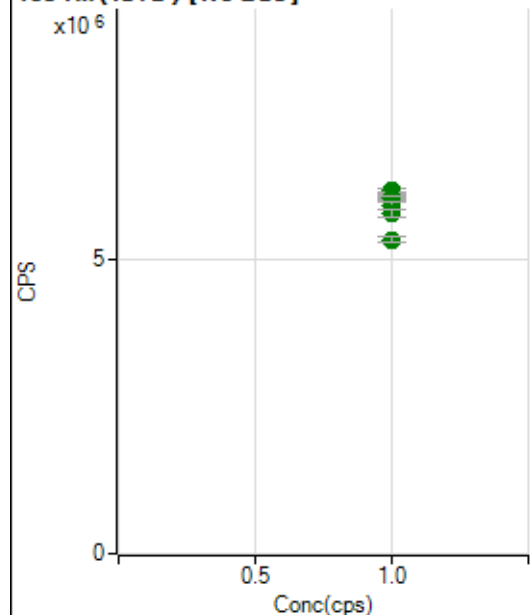
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		155602.19		P	1.3
2	☐	1.000		146128.68		P	7.6
3	☐	1.000		155732.16		P	0.5
4	☐	1.000		153179.71		P	0.2
5	☐	1.000		151481.88		P	0.5
6	☐	1.000		149059.97		P	0.4
7	☐	1.000		150427.55		P	1.3
8	☐	1.000		150110.97		P	1.0

89 Y (ISTD) [No Gas]

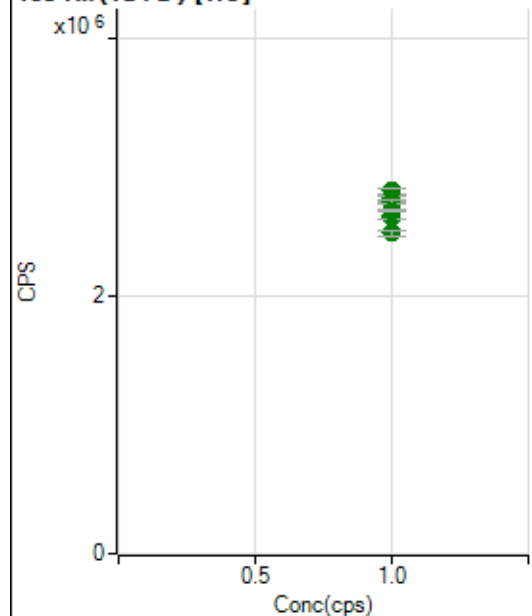
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		11090474.97		A	1.0
2	☐	1.000		11066539.21		A	1.5
3	☐	1.000		10971152.06		A	0.1
4	☐	1.000		11149596.64		A	1.4
5	☐	1.000		11025361.36		A	0.6
6	☐	1.000		10943098.87		A	1.7
7	☐	1.000		10758420.74		A	2.9
8	☐	1.000		10589054.84		A	1.5

89 Y (ISTD) [He]

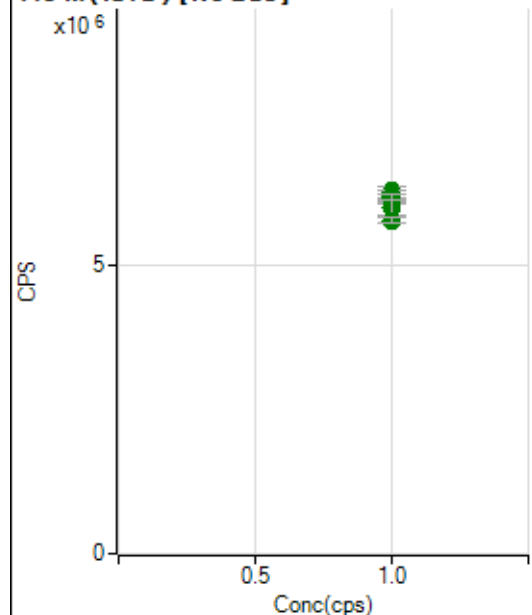
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1236443.35		P	0.9
2	☐	1.000		1161698.14		P	7.7
3	☐	1.000		1242739.25		P	0.5
4	☐	1.000		1232357.59		P	0.9
5	☐	1.000		1227671.03		P	1.5
6	☐	1.000		1199018.43		P	0.3
7	☐	1.000		1213142.91		P	0.2
8	☐	1.000		1211862.72		P	0.5

103 Rh (ISTD) [No Gas]

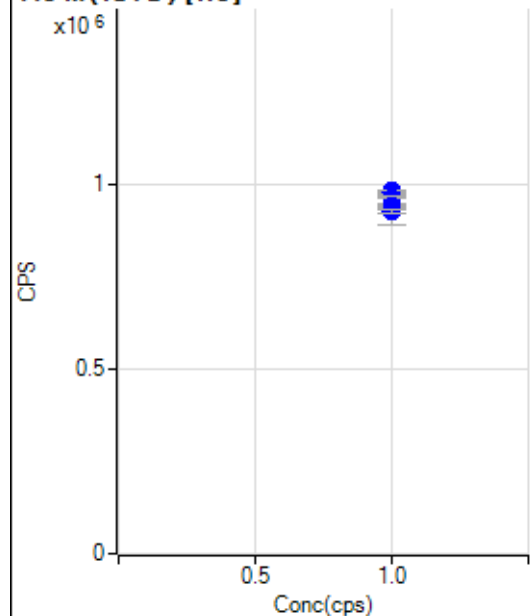
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		6148709.51		A	1.2
2	☐	1.000		6115128.39		A	0.6
3	☐	1.000		6066371.36		A	1.0
4	☐	1.000		6060449.36		A	2.5
5	☐	1.000		6021031.82		A	1.4
6	☐	1.000		5899053.65		A	2.3
7	☐	1.000		5770137.80		A	2.6
8	☐	1.000		5326246.82		A	1.4

103 Rh (ISTD) [He]

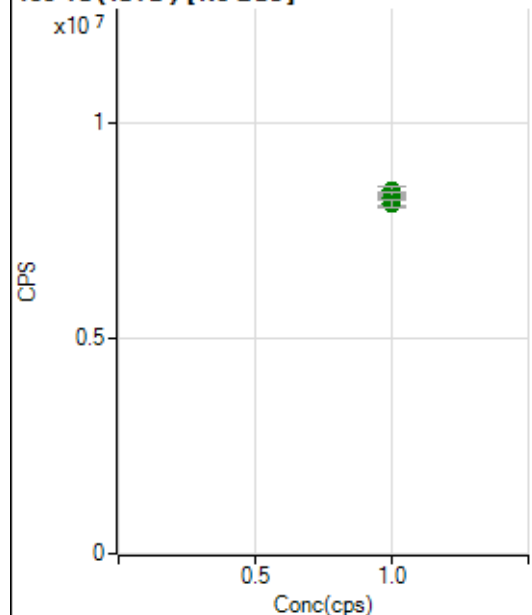
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		2818225.83		A	1.4
2	☐	1.000		2620963.36		A	8.2
3	☐	1.000		2760898.24		A	1.0
4	☐	1.000		2739714.09		A	0.5
5	☐	1.000		2734515.76		A	1.0
6	☐	1.000		2633419.53		A	2.4
7	☐	1.000		2665572.20		A	0.7
8	☐	1.000		2492061.06		A	1.7

115 In (ISTD) [No Gas]

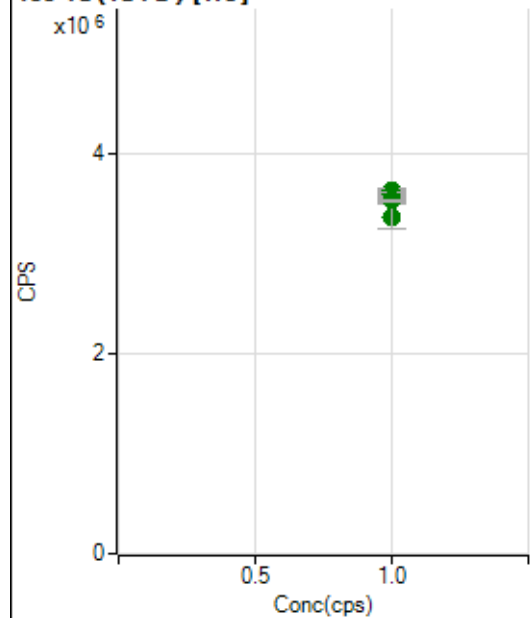
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		6302443.72		A	2.2
2	☐	1.000		6286676.69		A	1.0
3	☐	1.000		6179910.33		A	2.5
4	☐	1.000		6206040.66		A	1.2
5	☐	1.000		6135080.89		A	1.9
6	☐	1.000		6192273.78		A	1.9
7	☐	1.000		6007235.59		A	4.7
8	☐	1.000		5787892.49		A	2.0

115 In (ISTD) [He]

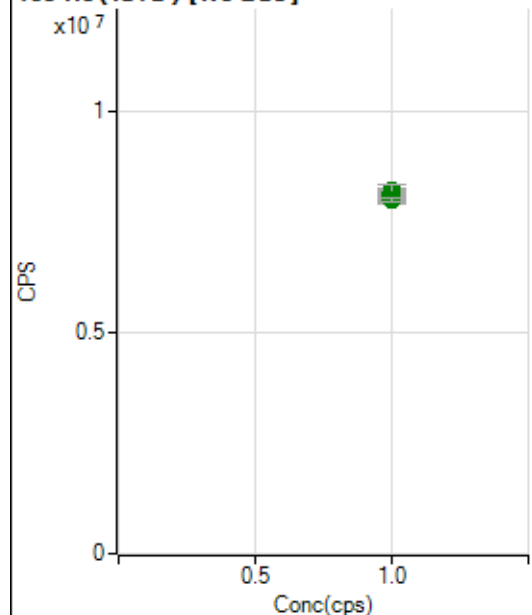
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		982456.16		P	0.1
2	☐	1.000		930952.42		P	8.2
3	☐	1.000		983399.65		P	0.1
4	☐	1.000		977784.01		P	1.2
5	☐	1.000		966188.44		P	0.7
6	☐	1.000		943783.20		P	0.5
7	☐	1.000		936437.73		P	0.5
8	☐	1.000		929524.23		P	1.0

159 Tb (ISTD) [No Gas]

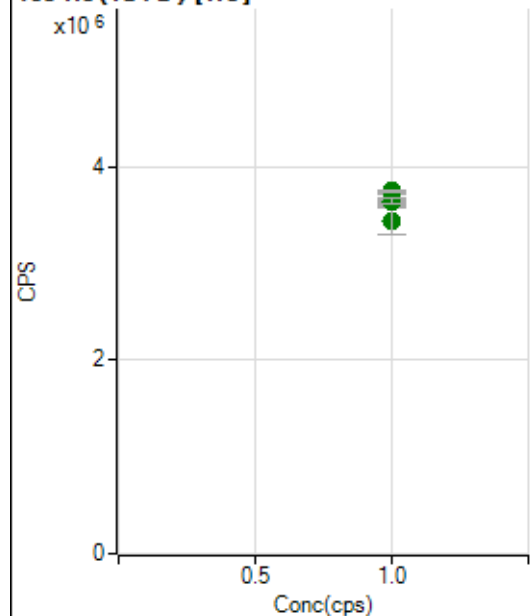
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8281714.04		A	1.0
2	☐	1.000		8296395.36		A	1.2
3	☐	1.000		8318583.35		A	0.7
4	☐	1.000		8346090.29		A	0.5
5	☐	1.000		8252931.82		A	1.0
6	☐	1.000		8407142.31		A	2.1
7	☐	1.000		8238371.34		A	3.8
8	☐	1.000		8113317.86		A	2.2

159 Tb (ISTD) [He]

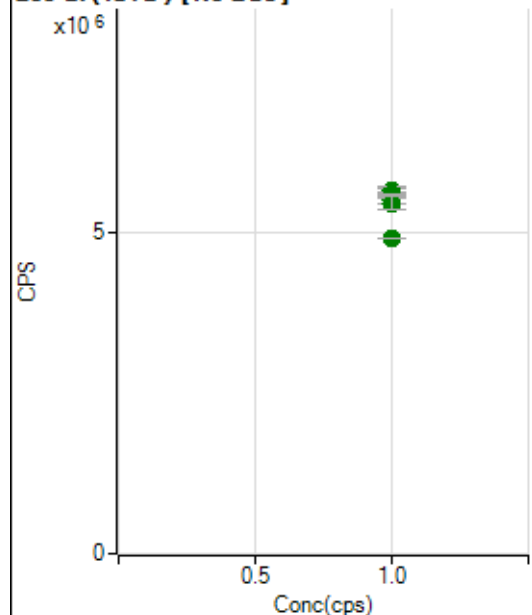
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3627607.48		A	0.5
2	☐	1.000		3366799.12		A	7.3
3	☐	1.000		3604784.63		A	1.4
4	☐	1.000		3626226.68		A	1.6
5	☐	1.000		3607503.66		A	2.2
6	☐	1.000		3528980.09		A	1.1
7	☐	1.000		3602004.77		A	1.0
8	☐	1.000		3532362.13		A	0.5

165 Ho (ISTD) [No Gas]

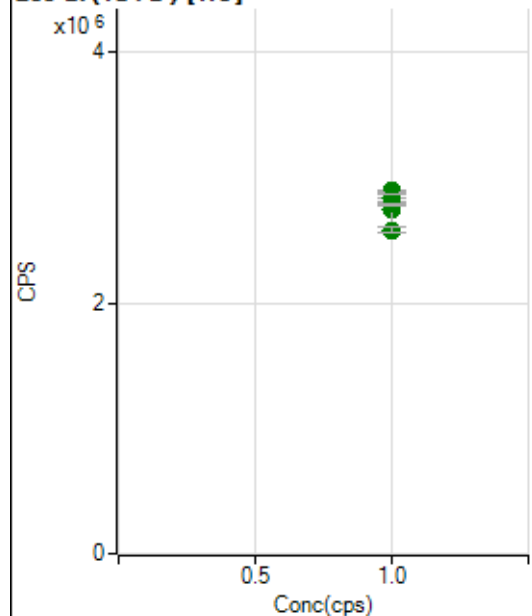
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8067736.90		A	1.0
2	☐	1.000		8212282.56		A	1.0
3	☐	1.000		8075749.75		A	3.6
4	☐	1.000		8170578.05		A	0.8
5	☐	1.000		8200121.54		A	0.8
6	☐	1.000		8152454.26		A	2.5
7	☐	1.000		8192916.59		A	4.1
8	☐	1.000		8006961.73		A	1.0

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3627226.68		A	0.9
2	☐	1.000		3434549.32		A	8.1
3	☐	1.000		3637927.89		A	0.4
4	☐	1.000		3684082.27		A	1.3
5	☐	1.000		3659767.58		A	2.7
6	☐	1.000		3627349.88		A	1.9
7	☐	1.000		3747723.14		A	0.7
8	☐	1.000		3644362.20		A	1.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		5660692.48		A	1.6
2	☐	1.000		5648164.43		A	2.6
3	☐	1.000		5606586.51		A	1.0
4	☐	1.000		5520805.13		A	2.4
5	☐	1.000		5598495.06		A	0.4
6	☐	1.000		5583289.29		A	1.3
7	☐	1.000		5464972.76		A	3.8
8	☐	1.000		4917958.26		A	0.3

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		2872481.35		A	1.8
2	☐	1.000		2745495.79		A	9.7
3	☐	1.000		2895254.58		A	0.6
4	☐	1.000		2876909.89		A	0.6
5	☐	1.000		2840160.65		A	2.3
6	☐	1.000		2789115.41		A	0.8
7	☐	1.000		2789943.22		A	0.4
8	☐	1.000		2582128.23		A	1.8