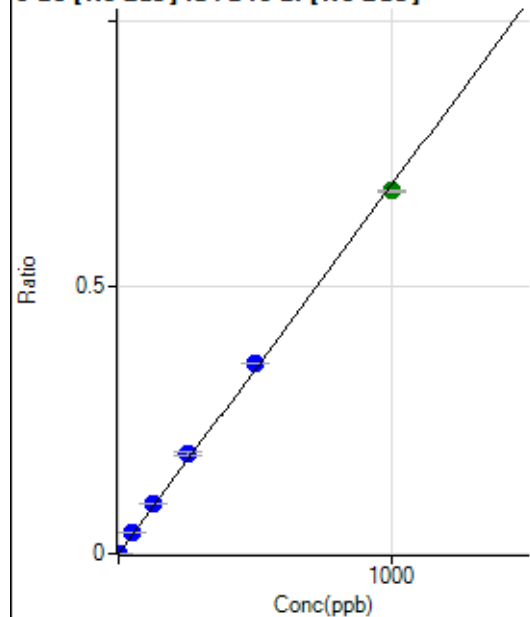


Calibration for 170SMPL.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7122823-MS.b\
 Analysis File: P7122823-MS.batch.bin
 DA Date-Time: 2023-12-28 20:51:51
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2023-12-28 09:38:59
2	005CALS.d	S02	2023-12-28 09:42:15
3	006CALS.d	S03	2023-12-28 09:45:34
4	007CALS.d	S04	2023-12-28 09:48:40
5	008CALS.d	S05	2023-12-28 09:51:39
6	009CALS.d	S06	2023-12-28 09:54:28
7	010CALS.d	S07	2023-12-28 09:57:17
8	012CALS.d	S08	2023-12-28 10:03:18

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	122.22	0.0001	P	9.2
2	☐	1.000	1.024	1714.56	0.0008	P	6.7
3	☐	50.000	55.026	84565.92	0.0381	P	0.7
4	☐	125.000	134.920	204091.34	0.0932	P	1.1
5	☐	250.000	270.931	400959.10	0.1872	P	2.7
6	☐	500.000	517.536	747906.56	0.3575	P	0.3
7	☐	1000.000	984.508	1390458.50	0.6800	A	0.3
8	☐			286.67	0.0001	P	18.1

$$y = 6.9069E-004 * x + 5.3729E-005$$

$$R = 0.9995$$

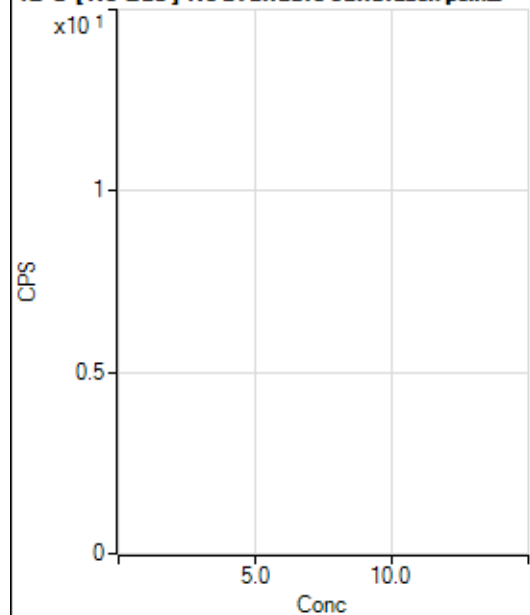
$$DL = 0.02142$$

$$BEC = 0.07779$$

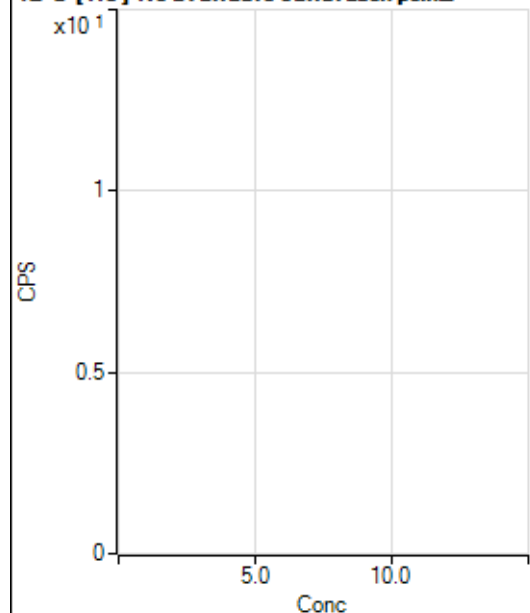
Weight: <None>

Min Conc: 0

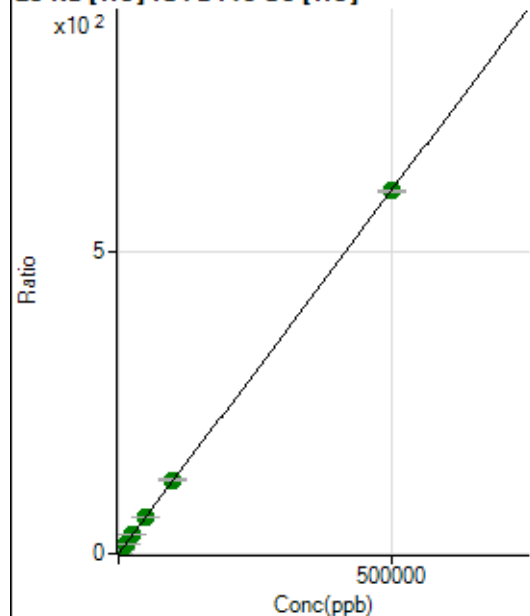
12 C [No Gas] No available calibration points



	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	11239.74	0.0338	P	2.5
2	☐	500.000	496.211	211560.20	0.6323	P	0.8
3	☐	5000.000	5232.517	2060929.90	6.3451	A	0.5
4	☐	12500.000	13070.410	4943279.48	15.7989	A	0.5
5	☐	25000.000	26712.033	9851719.64	32.2529	A	0.6
6	☐	50000.000	50824.722	18679745.00	61.3369	A	0.5
7	☐	100000.00	101780.75	37349628.33	122.7984	A	1.2
8	☐	500000.00	499459.19	171194537.4	602.4652	A	0.4

$$y = 0.0012 * x + 0.0338$$

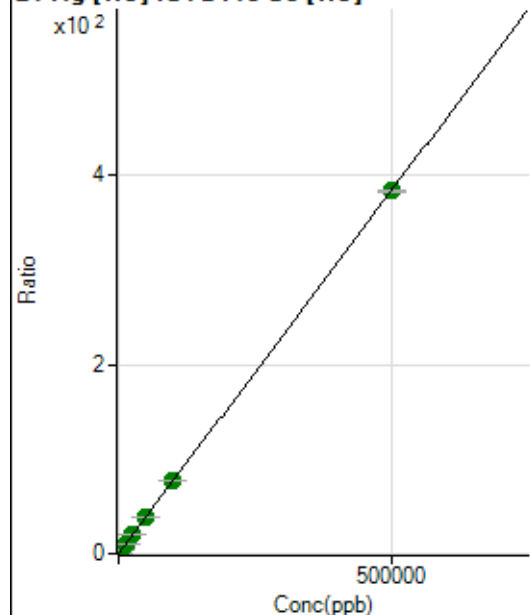
$$R = 1.0000$$

$$DL = 2.102$$

$$BEC = 27.99$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	316.67	0.0010	P	8.0
2	☐	500.000	493.663	127030.93	0.3796	P	0.7
3	☐	5000.000	5273.296	1314192.73	4.0461	A	0.5
4	☐	12500.000	13019.056	3125180.37	9.9879	A	1.1
5	☐	25000.000	26541.876	6219476.57	20.3614	A	1.2
6	☐	50000.000	50926.327	11897577.60	39.0668	A	0.3
7	☐	100000.00	100725.03	23502028.54	77.2677	A	1.2
8	☐	500000.00	499669.56	108919303.9	383.3003	A	0.4

$$y = 7.6711\text{E-}004 * x + 9.5095\text{E-}004$$

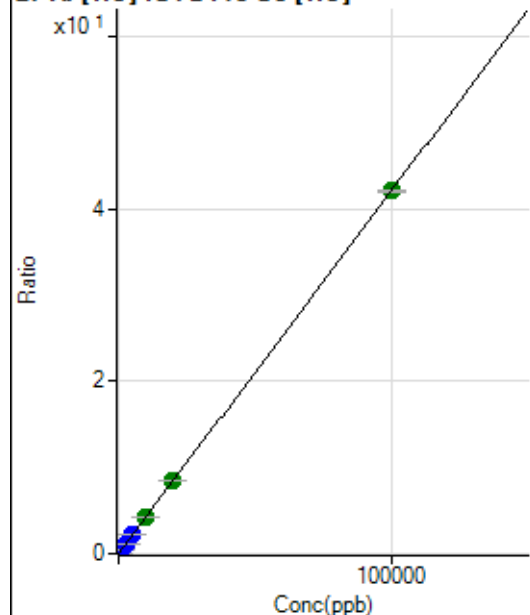
$$R = 1.0000$$

$$DL = 0.2958$$

$$BEC = 1.24$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1268.96	0.0038	P	10.7
2	☐	20.000	11.486	2893.64	0.0086	P	1.0
3	☐	1000.000	1072.011	147846.76	0.4552	P	0.7
4	☐	2500.000	2732.348	361153.35	1.1543	P	0.3
5	☐	5000.000	5110.157	658394.88	2.1555	P	0.4
6	☐	10000.000	10061.659	1291383.64	4.2403	A	0.4
7	☐	20000.000	20108.405	2576493.77	8.4706	A	0.7
8	☐	100000.00	99960.118	11961152.18	42.0926	A	0.3

$$y = 4.2106\text{E-}004 * x + 0.0038$$

$$R = 1.0000$$

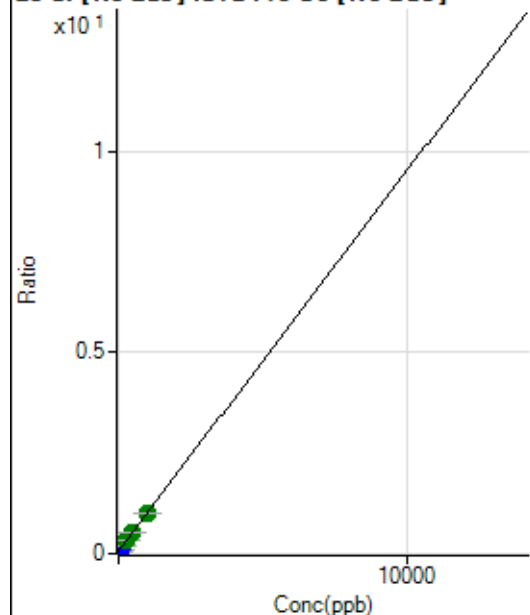
$$DL = 2.919$$

$$BEC = 9.053$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	298257.81	0.0674	P	1.8
2	☐	10.000	5.303	318609.31	0.0724	P	1.6
3	☐	50.000	51.879	503622.59	0.1163	P	1.0
4	☐	125.000	131.673	808127.92	0.1914	P	1.5
5	☐	250.000	279.732	1353949.55	0.3309	A	3.7
6	☐	500.000	500.174	2168360.89	0.5384	A	0.7
7	☐	1000.000	991.599	3984957.03	1.0012	A	1.6
8	☐			337604.73	0.0900	P	4.3

$$y = 9.4170\text{E-}004 * x + 0.0674$$

$$R = 0.9994$$

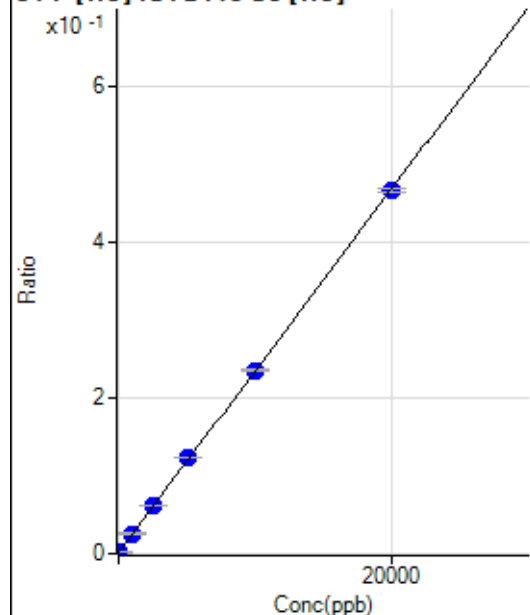
$$DL = 3.77$$

$$BEC = 71.6$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-10.735	396.68	0.0012	P	13.1
2	☐	0.000	10.735	566.68	0.0017	P	11.2
3	☐	1000.000	1029.953	8281.20	0.0255	P	3.8
4	☐	2500.000	2582.168	19316.72	0.0617	P	2.1
5	☐	5000.000	5263.170	37982.64	0.1243	P	0.4
6	☐	10000.000	10033.809	71796.15	0.2358	P	1.1
7	☐	20000.000	19905.534	141819.62	0.4663	P	1.1
8	☐			422.23	0.0015	P	8.6

$$y = 2.3352\text{E-}005 * x + 0.0014$$

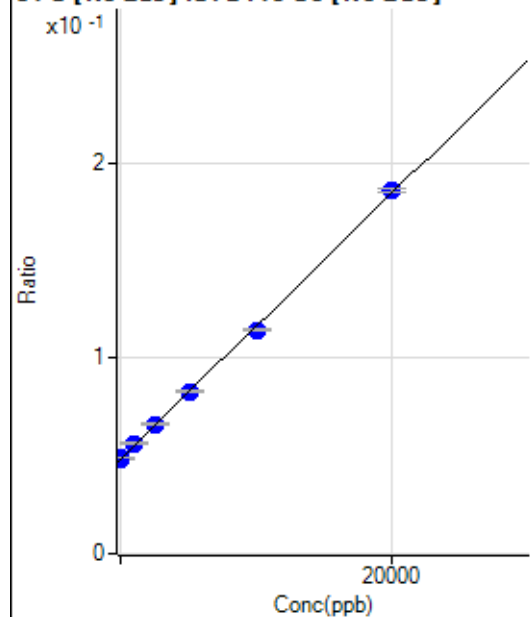
$$R = 0.9999$$

$$DL = 22.23$$

$$BEC = 61.76$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	-33.557	215398.77	0.0487	P	0.7
2	☐	0.000	33.557	216213.90	0.0491	P	1.5
3	☐	1000.000	1135.788	245330.03	0.0566	P	0.7
4	☐	2500.000	2562.327	280100.54	0.0663	P	0.6
5	☐	5000.000	5040.591	340577.98	0.0832	P	1.4
6	☐	10000.000	9676.634	462017.35	0.1147	P	0.7
7	☐	20000.000	20136.955	739754.35	0.1859	P	1.0
8	☐			172603.87	0.0460	P	0.7

$$y = 6.8004\text{E-}006 * x + 0.0489$$

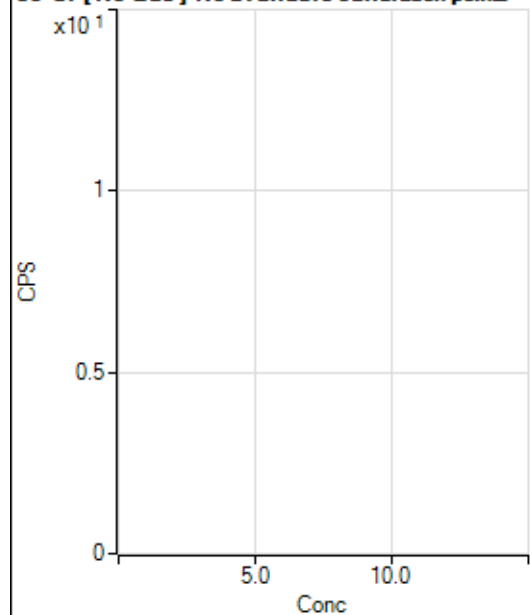
R = 0.9998

DL = 234.5

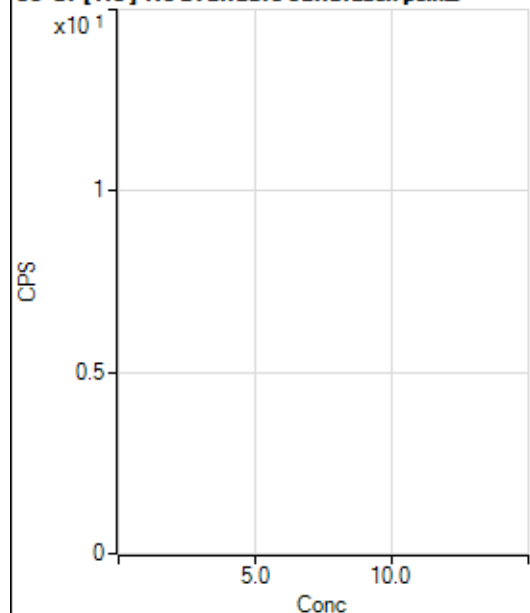
BEC = 7193

Weight: <None>

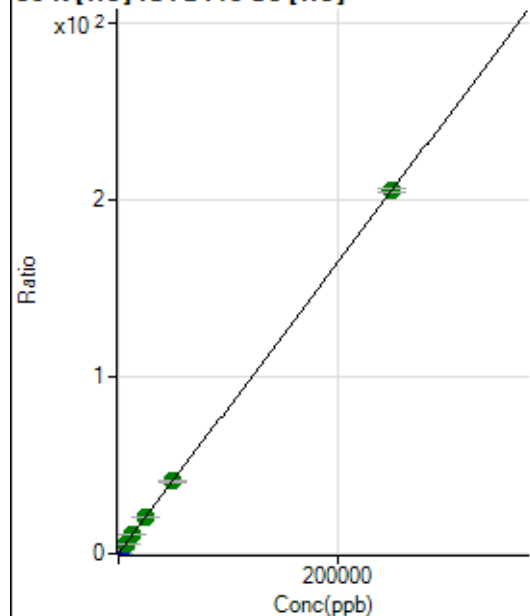
Min Conc: 0

35 Cl [No Gas] No available calibration points

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

35 Cl [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	42784.36	0.1285	P	0.6
2	☐	500.000	491.301	177956.28	0.5318	P	1.4
3	☐	2500.000	2741.573	772806.13	2.3793	P	0.4
4	☐	6250.000	6341.241	1669078.81	5.3345	A	0.9
5	☐	12500.000	12963.224	3290064.67	10.7711	A	0.9
6	☐	25000.000	24726.768	6221455.46	20.4287	A	0.3
7	☐	50000.000	49763.094	12465347.73	40.9831	A	0.9
8	☐	250000.00	250046.86	58367757.47	205.4124	A	0.9

$$y = 8.2098E-004 * x + 0.1285$$

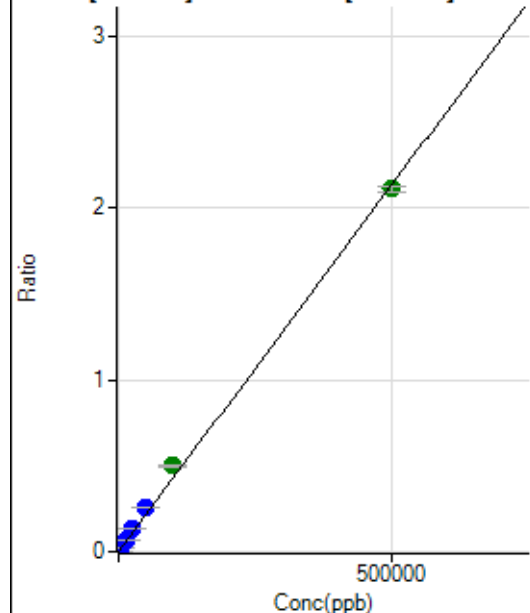
$$R = 1.0000$$

$$DL = 3.023$$

$$BEC = 156.5$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	566.68	0.0001	P	4.7
2	☐	500.000	495.108	9856.60	0.0022	P	1.4
3	☐	5000.000	6211.652	115340.58	0.0266	P	0.4
4	☐	12500.000	15394.279	277839.79	0.0658	P	0.6
5	☐	25000.000	31358.638	548212.75	0.1339	P	1.5
6	☐	50000.000	60889.351	1046688.64	0.2599	P	0.9
7	☐	100000.00	117229.23	1991277.28	0.5003	A	1.0
8	☐	500000.00	495062.81	7924558.15	2.1123	A	1.5

$$y = 4.2665\text{E-}006 * x + 1.2809\text{E-}004$$

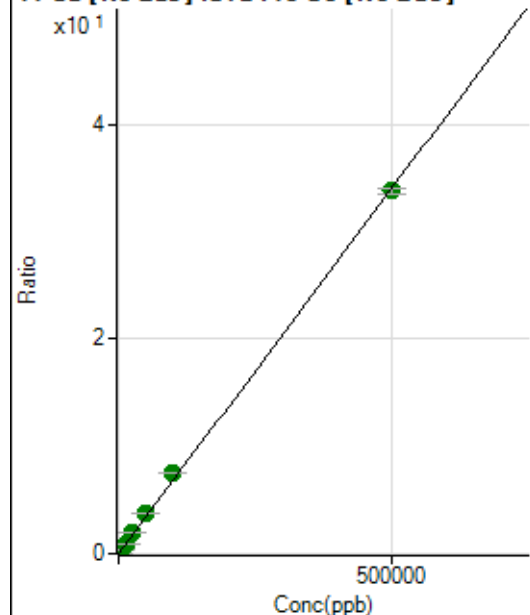
$$R = 0.9992$$

$$DL = 4.205$$

$$BEC = 30.02$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4641.86	0.0010	P	2.7
2	☐	500.000	504.675	155772.03	0.0354	P	0.8
3	☐	5000.000	5628.877	1664279.33	0.3842	A	0.8
4	☐	12500.000	13844.365	3983630.71	0.9435	A	1.1
5	☐	25000.000	28194.215	7861917.04	1.9204	A	1.0
6	☐	50000.000	55040.728	15093942.55	3.7481	A	0.8
7	☐	100000.00	111161.61	30125486.50	7.5687	A	0.3
8	☐	500000.00	497063.99	126949824.7	33.8400	A	1.4

$$y = 6.8078\text{E-}005 * x + 0.0010$$

$$R = 0.9997$$

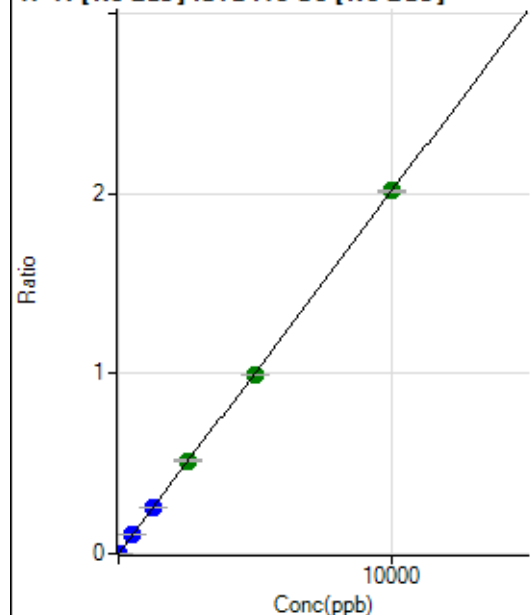
$$DL = 1.256$$

$$BEC = 15.42$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	97.78	0.0000	P	28.5
2	☐	5.000	4.770	4323.98	0.0010	P	2.7
3	☐	500.000	516.076	450348.61	0.1040	P	0.7
4	☐	1250.000	1277.285	1086332.80	0.2573	P	0.8
5	☐	2500.000	2566.523	2116184.38	0.5170	A	2.2
6	☐	5000.000	4933.094	4001860.18	0.9937	A	0.6
7	☐	10000.000	10012.608	8027758.63	2.0169	A	0.7
8	☐			884.48	0.0002	P	6.3

$$y = 2.0143\text{E-}004 * x + 2.2157\text{E-}005$$

$$R = 0.9999$$

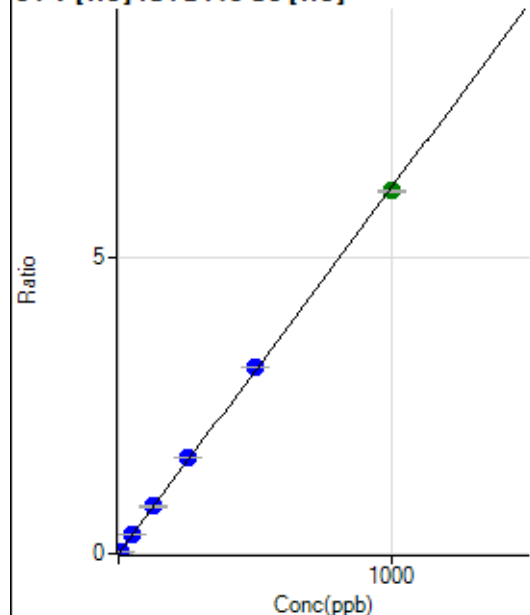
$$DL = 0.09393$$

$$BEC = 0.11$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0000	P	100.
2	☐	5.000	4.800	9940.03	0.0297	P	1.1
3	☐	50.000	51.796	104068.57	0.3204	P	0.3
4	☐	125.000	128.984	249630.82	0.7979	P	0.7
5	☐	250.000	262.852	496650.67	1.6259	P	0.3
6	☐	500.000	510.037	960822.94	3.1549	P	0.3
7	☐	1000.000	991.182	1865017.12	6.1312	A	0.7
8	☐			455.57	0.0016	P	6.8

$$y = 0.0062 * x + 1.0028\text{E-}005$$

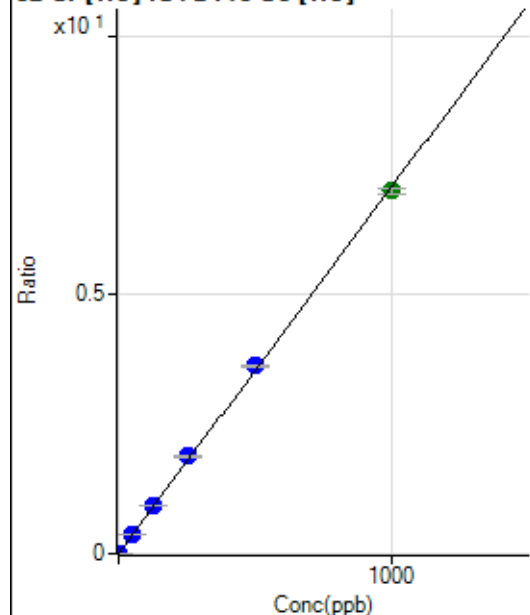
$$R = 0.9998$$

$$DL = 0.004868$$

$$BEC = 0.001621$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	860.03	0.0026	P	13.6
2	☐	2.000	1.914	5393.24	0.0161	P	1.4
3	☐	50.000	52.244	120860.24	0.3721	P	0.9
4	☐	125.000	130.164	288861.70	0.9232	P	0.6
5	☐	250.000	265.222	573793.55	1.8785	P	0.9
6	☐	500.000	511.500	1102597.17	3.6205	P	0.2
7	☐	1000.000	989.687	2129867.26	7.0027	A	1.4
8	☐			12505.28	0.0440	P	1.4

$$y = 0.0071 * x + 0.0026$$

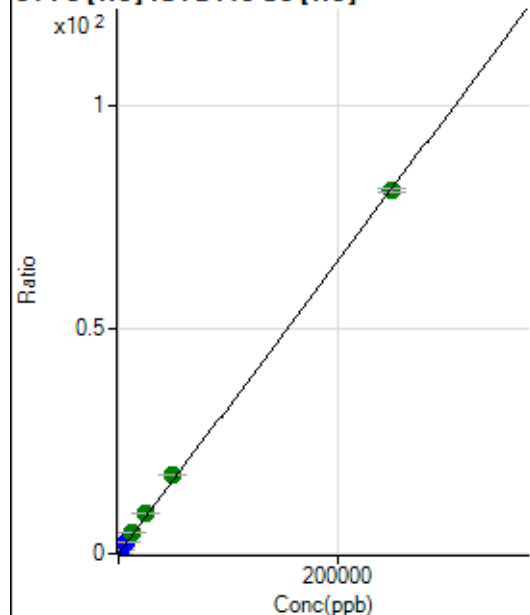
$$R = 0.9998$$

$$DL = 0.1487$$

$$BEC = 0.3652$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	863.37	0.0026	P	8.3
2	☐	50.000	56.352	6998.35	0.0209	P	2.6
3	☐	2500.000	2986.565	316246.89	0.9736	P	0.1
4	☐	6250.000	7496.541	763444.13	2.4400	P	0.5
5	☐	12500.000	14309.566	1421961.54	4.6552	A	0.1
6	☐	25000.000	27342.510	2708273.99	8.8927	A	0.9
7	☐	50000.000	53963.307	5337592.49	17.5482	A	0.9
8	☐	250000.00	248846.57	22991162.71	80.9125	A	0.9

$$y = 3.2514E-004 * x + 0.0026$$

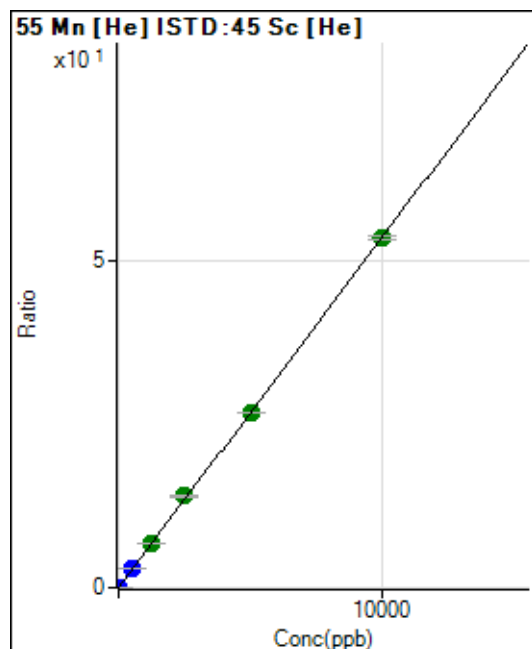
$$R = 0.9998$$

$$DL = 1.977$$

$$BEC = 7.975$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	105.56	0.0003	P	9.3
2	☐	1.000	0.941	1800.12	0.0054	P	2.0
3	☐	500.000	529.305	925159.55	2.8484	P	0.4
4	☐	1250.000	1282.153	2158608.15	6.8993	A	0.7
5	☐	2500.000	2609.302	4288614.69	14.0403	A	0.7
6	☐	5000.000	5007.065	8205085.02	26.9420	A	0.1
7	☐	10000.000	9963.657	16306726.84	53.6122	A	0.8
8	☐			12097.19	0.0426	P	1.2

$$y = 0.0054 * x + 3.1706E-004$$

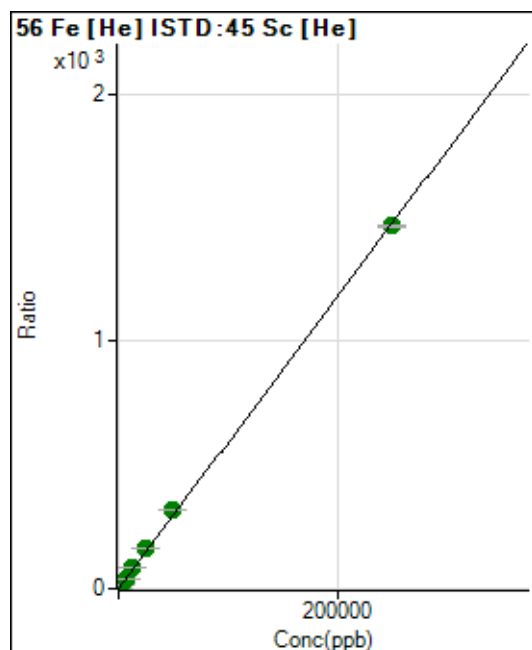
$$R = 0.9999$$

$$DL = 0.01647$$

$$BEC = 0.05892$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	5715.58	0.0172	P	3.1
2	☐	50.000	53.560	111429.89	0.3330	P	0.8
3	☐	2500.000	2771.909	5314963.60	16.3635	A	0.2
4	☐	6250.000	6948.732	12826272.31	40.9949	A	0.7
5	☐	12500.000	14167.769	25525151.29	83.5666	A	1.1
6	☐	25000.000	27119.613	48710815.94	159.9455	A	0.1
7	☐	50000.000	53939.719	96755525.23	318.1076	A	1.0
8	☐	250000.00	248896.51	417081904.8	1,467.796	A	0.5

$$y = 0.0059 * x + 0.0172$$

$$R = 0.9998$$

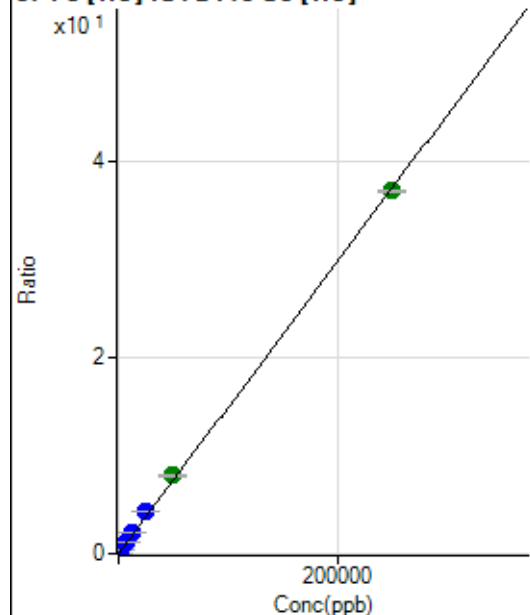
$$DL = 0.2702$$

$$BEC = 2.911$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	657.80	0.0020	P	7.2
2	☐	50.000	55.152	3401.53	0.0102	P	1.6
3	☐	2500.000	2959.821	143419.68	0.4416	P	0.8
4	☐	6250.000	7411.373	345002.14	1.1027	P	0.3
5	☐	12500.000	15109.292	686028.16	2.2459	P	0.4
6	☐	25000.000	28968.344	1310819.46	4.3042	P	0.3
7	☐	50000.000	53694.888	2426022.76	7.9764	A	1.4
8	☐	250000.00	248700.09	10495928.59	36.9376	A	0.5

$$y = 1.4851\text{E-}004 * x + 0.0020$$

$$R = 0.9998$$

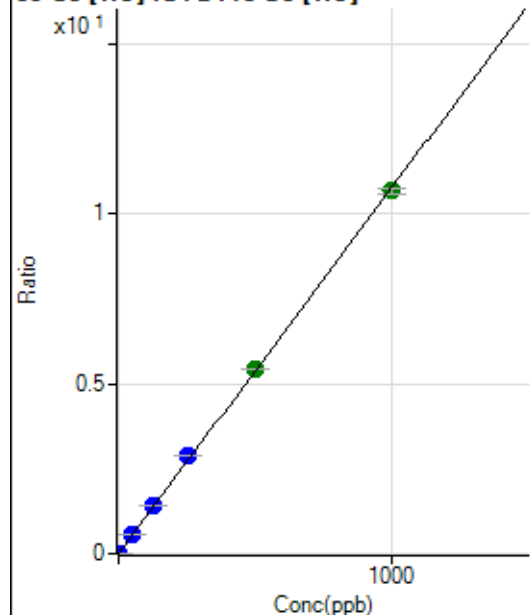
$$DL = 2.88$$

$$BEC = 13.3$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0002	P	36.9
2	☐	1.000	1.001	3656.04	0.0109	P	2.6
3	☐	50.000	52.879	184887.58	0.5692	P	0.5
4	☐	125.000	131.488	442774.59	1.4152	P	0.5
5	☐	250.000	267.130	878141.91	2.8749	P	0.5
6	☐	500.000	505.056	1655320.81	5.4353	A	0.4
7	☐	1000.000	992.235	3247739.67	10.6781	A	1.4
8	☐			9414.13	0.0331	P	1.4

$$y = 0.0108 * x + 1.5008\text{E-}004$$

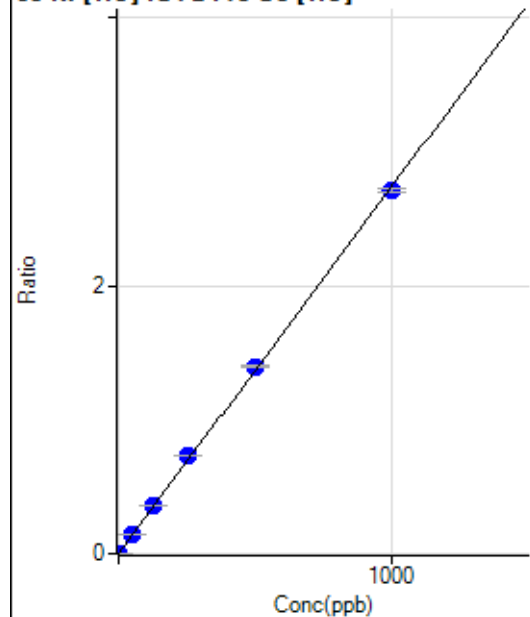
$$R = 0.9998$$

$$DL = 0.01544$$

$$BEC = 0.01395$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	153.34	0.0005	P	7.3
2	☐	1.000	0.948	1022.27	0.0031	P	11.9
3	☐	50.000	53.601	47814.75	0.1472	P	0.9
4	☐	125.000	132.435	113595.77	0.3631	P	0.5
5	☐	250.000	267.367	223740.99	0.7325	P	0.6
6	☐	500.000	510.715	425979.32	1.3987	P	0.3
7	☐	1000.000	989.191	823893.88	2.7088	P	1.0
8	☐			3930.56	0.0138	P	3.0

$$y = 0.0027 * x + 4.6046E-004$$

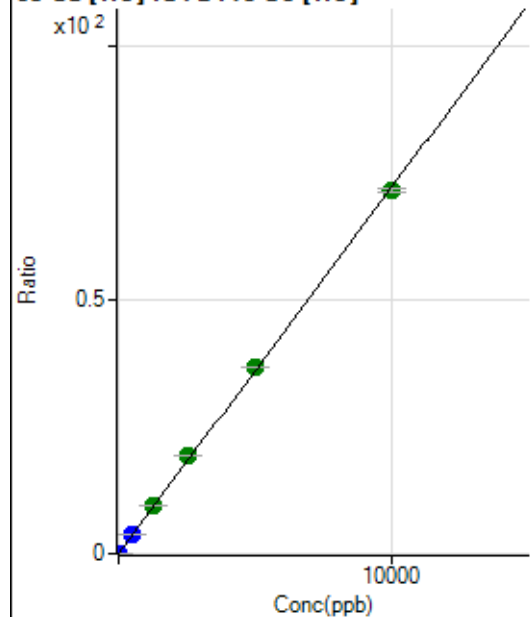
$$R = 0.9997$$

$$DL = 0.03667$$

$$BEC = 0.1682$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2325.76	0.0070	P	6.6
2	☐	2.000	2.020	7214.03	0.0216	P	1.3
3	☐	500.000	548.532	1287866.51	3.9650	P	0.4
4	☐	1250.000	1321.333	2985120.27	9.5413	A	1.7
5	☐	2500.000	2664.243	5874263.31	19.2314	A	0.6
6	☐	5000.000	5081.862	11169568.03	36.6762	A	0.2
7	☐	10000.000	9906.665	21744529.96	71.4905	A	0.9
8	☐			6144.65	0.0216	P	3.4

$$y = 0.0072 * x + 0.0070$$

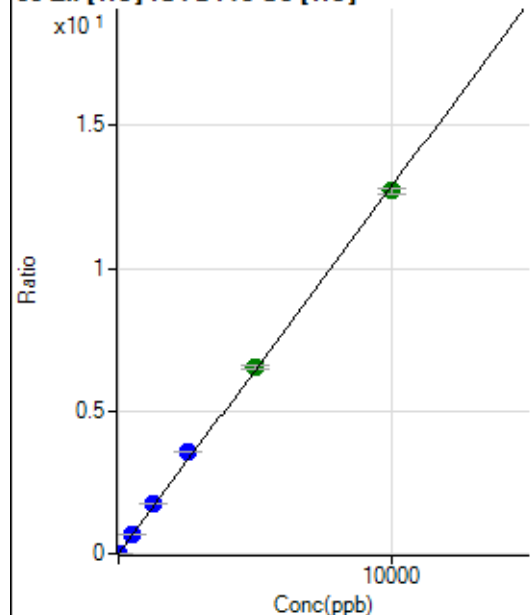
$$R = 0.9998$$

$$DL = 0.1928$$

$$BEC = 0.9681$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	611.13	0.0018	P	6.3
2	☐	5.000	4.501	2551.36	0.0076	P	2.3
3	☐	500.000	546.694	228950.51	0.7049	P	0.6
4	☐	1250.000	1367.157	550667.99	1.7600	P	0.7
5	☐	2500.000	2765.303	1086826.03	3.5581	P	0.5
6	☐	5000.000	5073.152	1987513.28	6.5260	A	1.6
7	☐	10000.000	9880.119	3865004.74	12.7079	A	1.6
8	☐			7017.26	0.0247	P	2.8

$$y = 0.0013 * x + 0.0018$$

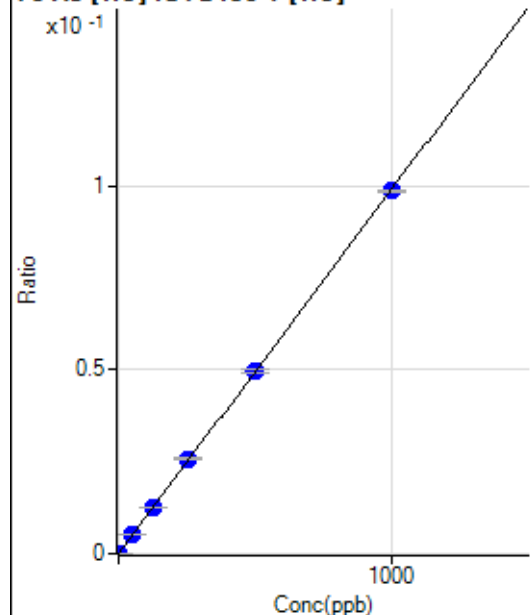
$$R = 0.9995$$

$$DL = 0.2682$$

$$BEC = 1.427$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2.22	0.0000	P	173.
2	☐	1.000	0.950	274.45	0.0001	P	10.9
3	☐	50.000	52.362	14764.11	0.0052	P	0.9
4	☐	125.000	128.244	35425.52	0.0127	P	1.0
5	☐	250.000	260.247	70616.79	0.0258	P	1.7
6	☐	500.000	501.314	136018.35	0.0496	P	1.9
7	☐	1000.000	996.257	266976.26	0.0986	P	0.8
8	☐			117.78	0.0000	P	25.8

$$y = 9.8961E-005 * x + 7.6358E-007$$

$$R = 0.9999$$

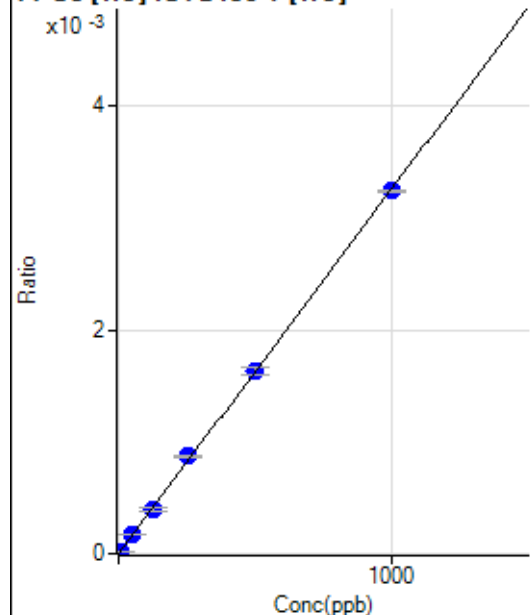
$$DL = 0.04009$$

$$BEC = 0.007716$$

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	5.181	48.89	0.0000	P	10.4
3	☐	50.000	53.021	492.24	0.0002	P	8.9
4	☐	125.000	122.552	1114.50	0.0004	P	7.0
5	☐	250.000	266.769	2384.66	0.0009	P	1.8
6	☐	500.000	500.812	4475.16	0.0016	P	4.4
7	☐	1000.000	995.556	8788.23	0.0032	P	0.8
8	☐			46.67	0.0000	P	18.5

$$y = 3.2596\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9998$$

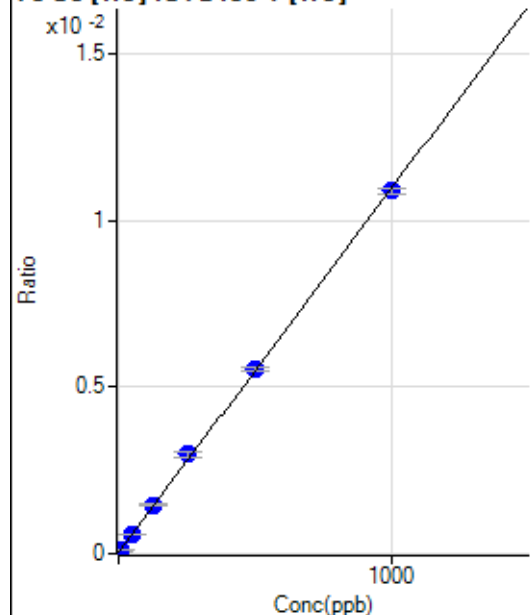
$$DL = 0$$

$$BEC = 0$$

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	101.11	0.0000	P	25.3
2	☐	5.000	5.267	267.79	0.0001	P	4.9
3	☐	50.000	49.184	1632.33	0.0006	P	4.4
4	☐	125.000	129.782	4061.71	0.0015	P	5.0
5	☐	250.000	268.952	8164.56	0.0030	P	5.5
6	☐	500.000	503.823	15213.45	0.0055	P	1.4
7	☐	1000.000	992.792	29515.01	0.0109	P	1.9
8	☐			246.67	0.0001	P	10.2

$$y = 1.0944\text{E-}005 * x + 3.4856\text{E-}005$$

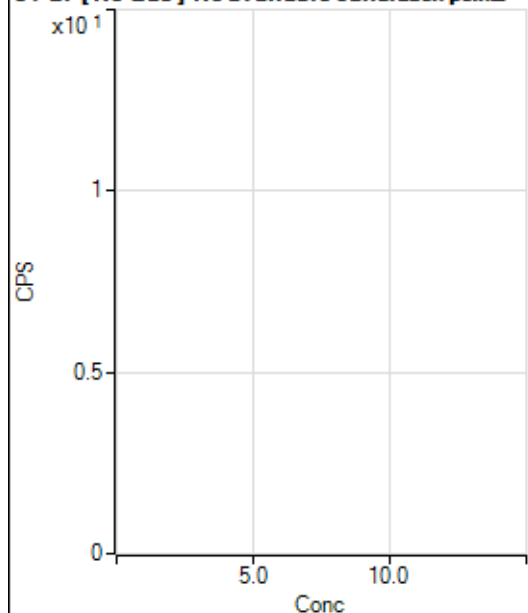
$$R = 0.9998$$

$$DL = 2.421$$

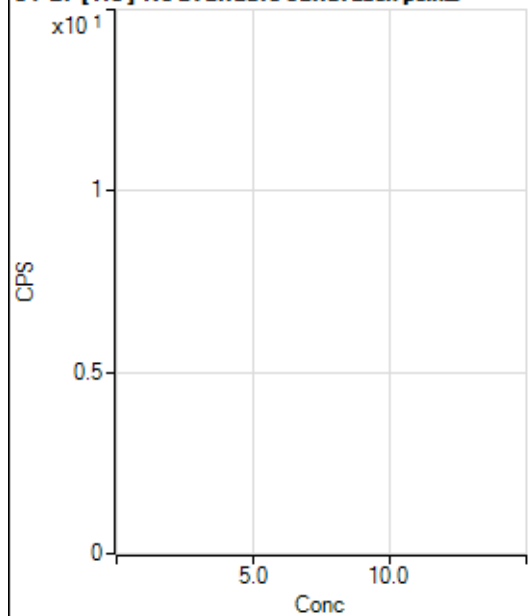
$$BEC = 3.185$$

Weight: <None>

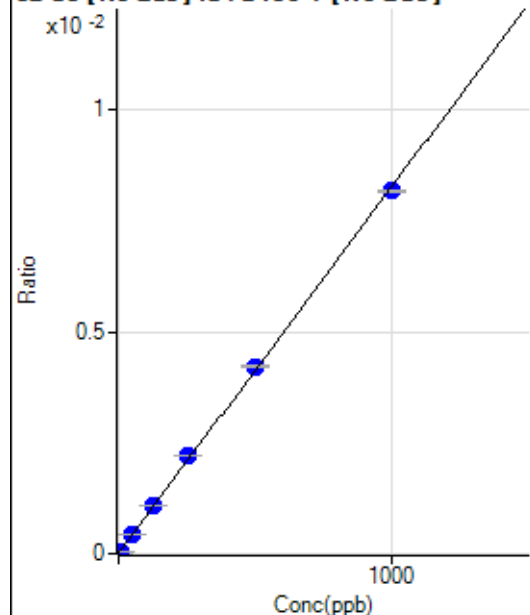
Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			9940.09		P	1.2
2	☐			9817.79		P	0.7
3	☐			9877.84		P	2.9
4	☐			9421.97		P	1.5
5	☐			9246.32		P	3.0
6	☐			9552.07		P	1.5
7	☐			9775.54		P	2.5
8	☐			10877.43		P	1.2

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			62.22		P	13.5
2	☐			62.22		P	13.5
3	☐			45.56		P	25.7
4	☐			64.45		P	10.8
5	☐			62.22		P	21.6
6	☐			75.56		P	16.7
7	☐			100.00		P	24.0
8	☐			363.34		P	7.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	130.58	0.0000	P	6.7
2	☐	5.000	4.858	677.76	0.0000	P	0.9
3	☐	50.000	52.613	6081.80	0.0004	P	1.5
4	☐	125.000	131.463	14667.67	0.0011	P	1.6
5	☐	250.000	268.292	29356.88	0.0022	P	0.6
6	☐	500.000	509.680	55714.04	0.0042	P	1.1
7	☐	1000.000	989.649	108373.49	0.0082	P	0.7
8	☐			669.57	0.0001	P	4.7

$$y = 8.2547\text{E-}006 * x + 9.4652\text{E-}006$$

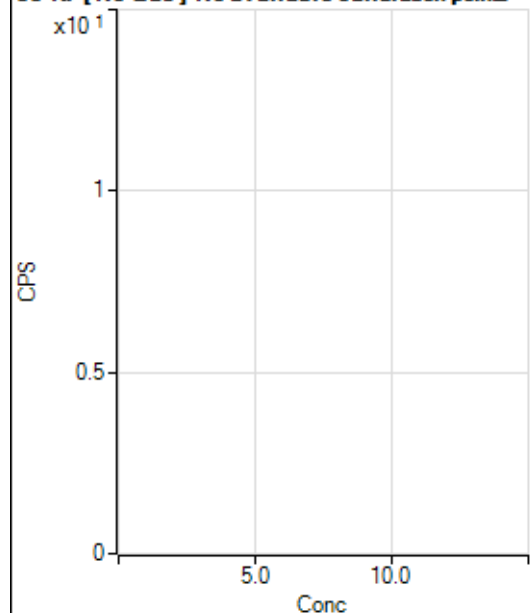
$$R = 0.9997$$

$$DL = 0.2308$$

$$BEC = 1.147$$

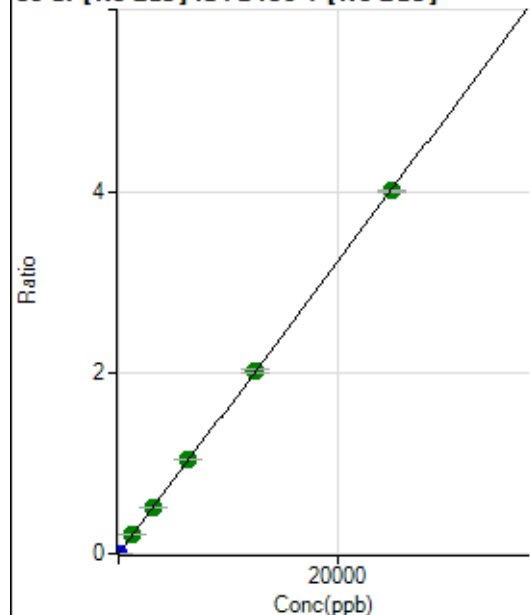
Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			112.23		P	19.1
2	☐			103.33		P	8.5
3	☐			102.22		P	21.7
4	☐			116.67		P	42.7
5	☐			101.11		P	16.9
6	☐			115.56		P	1.7
7	☐			116.67		P	15.1
8	☐			133.34		P	22.5

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	166.67	0.0000	P	13.6
2	☐	1.000	0.989	2339.10	0.0002	P	4.6
3	☐	1250.000	1270.235	2798355.13	0.2042	A	0.4
4	☐	3125.000	3167.408	6822353.16	0.5091	A	0.9
5	☐	6250.000	6506.373	13804175.49	1.0458	A	0.9
6	☐	12500.000	12530.597	26611938.21	2.0142	A	1.8
7	☐	25000.000	24914.296	53066754.77	4.0047	A	0.8
8	☐			4648.56	0.0004	P	3.7

$$y = 1.6074\text{E-}004 * x + 1.2074\text{E-}005$$

$$R = 0.9999$$

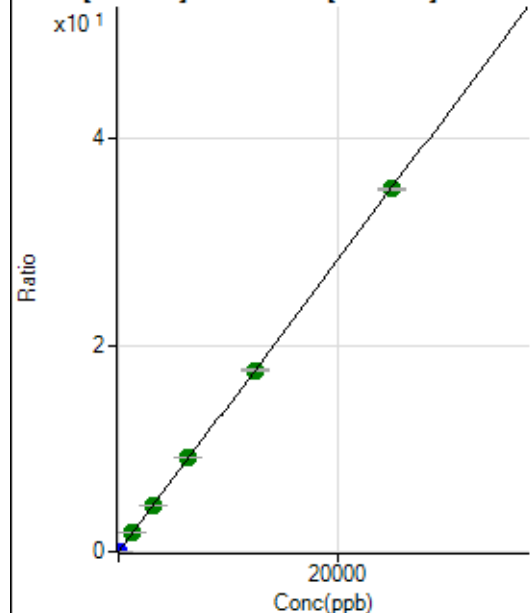
$$DL = 0.03057$$

$$BEC = 0.07512$$

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	144.45	0.0000	P	14.0
2	☐	1.000	0.948	18414.97	0.0013	P	2.1
3	☐	1250.000	1272.016	24587379.91	1.7941	A	0.6
4	☐	3125.000	3148.423	59503295.23	4.4406	A	0.9
5	☐	6250.000	6483.422	120701941.5	9.1444	A	0.5
6	☐	12500.000	12486.175	232684894.3	17.6108	A	1.3
7	☐	25000.000	24944.528	466200908.6	35.1824	A	0.6
8	☐			39232.19	0.0035	P	1.0

$$y = 0.0014 * x + 1.0464\text{E-}005$$

$$R = 1.0000$$

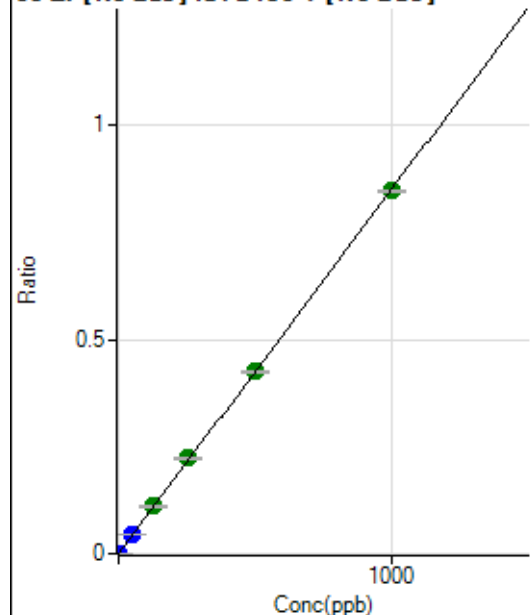
$$DL = 0.00312$$

$$BEC = 0.007419$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	396.68	0.0000	P	10.8
2	☐	1.000	0.917	11049.80	0.0008	P	1.3
3	☐	50.000	51.562	601195.47	0.0439	P	1.0
4	☐	125.000	129.361	1474255.00	0.1100	A	0.9
5	☐	250.000	262.059	2941282.28	0.2228	A	1.3
6	☐	500.000	500.210	5619782.21	0.4253	A	0.8
7	☐	1000.000	996.257	11224698.72	0.8471	A	0.6
8	☐			4347.36	0.0004	P	2.6

$$y = 8.5024\text{E-}004 * x + 2.8742\text{E-}005$$

$$R = 0.9999$$

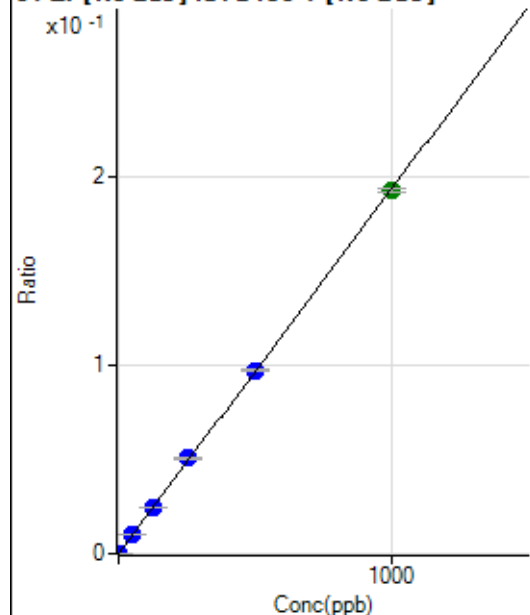
$$DL = 0.01094$$

$$BEC = 0.0338$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	81.11	0.0000	P	23.6
2	☐	1.000	0.914	2496.90	0.0002	P	7.2
3	☐	50.000	50.638	134335.51	0.0098	P	1.0
4	☐	125.000	128.094	332139.03	0.0248	P	0.7
5	☐	250.000	261.180	667009.91	0.0505	P	0.5
6	☐	500.000	503.167	1286245.72	0.0973	P	0.7
7	☐	1000.000	995.203	2551308.71	0.1925	A	0.9
8	☐			988.93	0.0001	P	5.5

$$y = 1.9346\text{E-}004 * x + 5.8895\text{E-}006$$

$$R = 0.9999$$

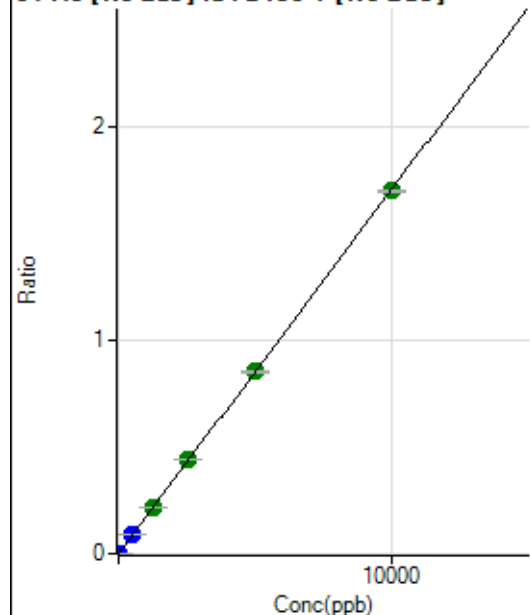
$$DL = 0.02158$$

$$BEC = 0.03044$$

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	193.34	0.0000	P	6.7
2	☐	5.000	5.499	13043.68	0.0010	P	2.0
3	☐	500.000	518.420	1214474.04	0.0886	P	1.0
4	☐	1250.000	1278.454	2928073.95	0.2185	A	0.7
5	☐	2500.000	2599.004	5863314.08	0.4442	A	1.2
6	☐	5000.000	5007.241	11307825.11	0.8558	A	0.9
7	☐	10000.000	9967.150	22573321.88	1.7035	A	0.5
8	☐			4348.46	0.0004	P	0.9

$$y = 1.7091\text{E-}004 * x + 1.4020\text{E-}005$$

$$R = 0.9999$$

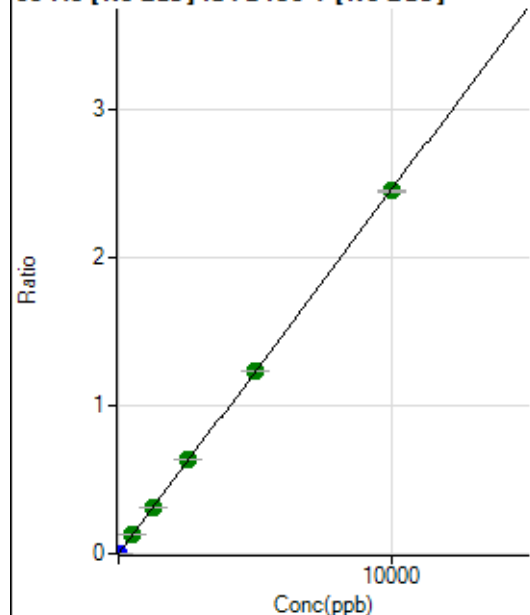
$$DL = 0.01649$$

$$BEC = 0.08203$$

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	45.55	0.0000	P	9.5
2	☐	5.000	4.745	16025.52	0.0012	P	2.6
3	☐	500.000	514.853	1737883.50	0.1268	A	1.2
4	☐	1250.000	1273.430	4202811.12	0.3136	A	1.2
5	☐	2500.000	2588.817	8416286.75	0.6376	A	0.5
6	☐	5000.000	5017.332	16328411.56	1.2358	A	0.4
7	☐	10000.000	9965.459	32524201.46	2.4545	A	0.3
8	☐			4705.24	0.0004	P	1.1

$$y = 2.4630\text{E-}004 * x + 3.3046\text{E-}006$$

$$R = 1.0000$$

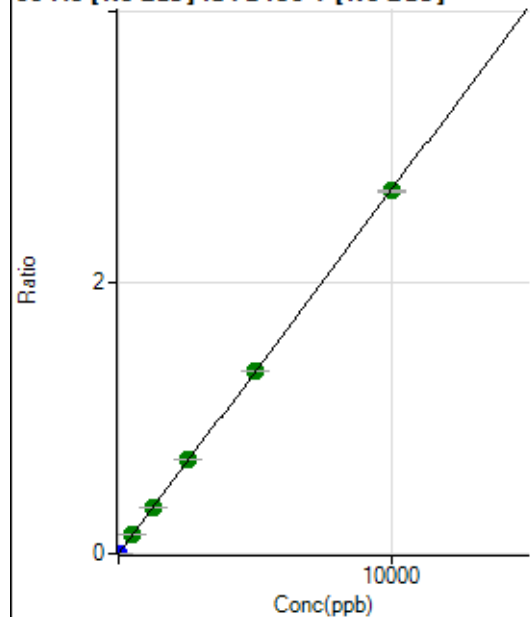
$$DL = 0.003812$$

$$BEC = 0.01342$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	68.89	0.0000	P	15.8
2	☐	5.000	4.836	17844.32	0.0013	P	1.4
3	☐	500.000	511.044	1883127.09	0.1374	A	0.8
4	☐	1250.000	1278.024	4604298.99	0.3436	A	0.5
5	☐	2500.000	2599.159	9223615.00	0.6988	A	0.7
6	☐	5000.000	5011.487	17802933.07	1.3474	A	0.4
7	☐	10000.000	9965.412	35502222.52	2.6793	A	0.6
8	☐			10367.09	0.0009	P	2.5

$$y = 2.6886E-004 * x + 4.9997E-006$$

$$R = 0.9999$$

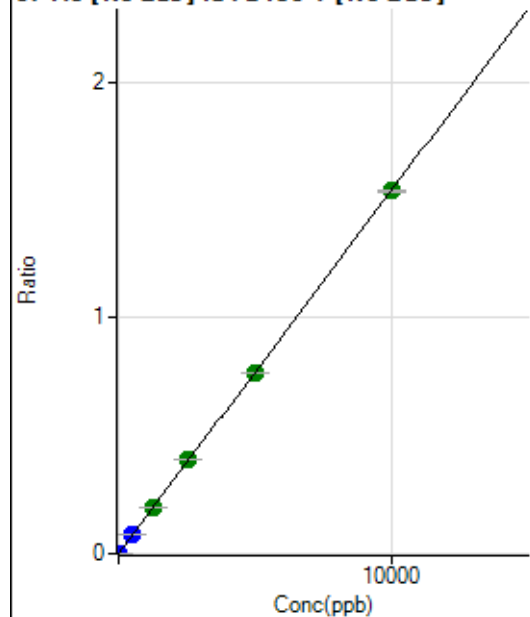
$$DL = 0.008822$$

$$BEC = 0.0186$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.11	0.0000	P	15.8
2	☐	5.000	4.729	9997.94	0.0007	P	1.5
3	☐	500.000	519.284	1097115.18	0.0801	P	1.1
4	☐	1250.000	1275.976	2635849.25	0.1967	A	0.5
5	☐	2500.000	2589.778	5269685.16	0.3992	A	1.1
6	☐	5000.000	4977.645	10139185.75	0.7674	A	0.4
7	☐	10000.000	9984.522	20396286.22	1.5392	A	0.9
8	☐			2863.64	0.0003	P	5.0

$$y = 1.5416E-004 * x + 2.2544E-006$$

$$R = 1.0000$$

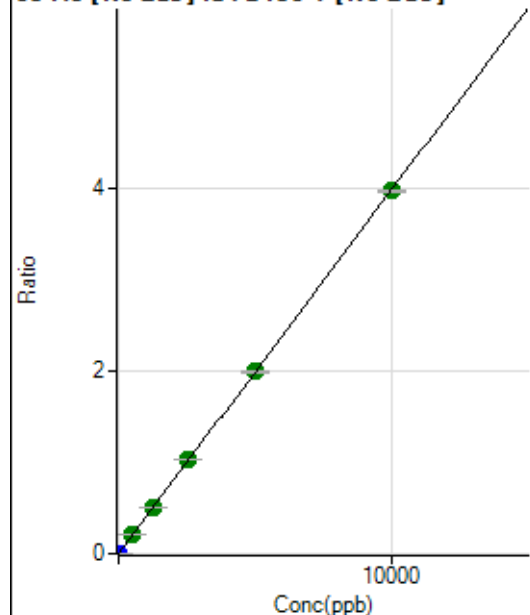
$$DL = 0.006952$$

$$BEC = 0.01462$$

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	67.78	0.0000	P	37.6
2	☐	5.000	4.710	25736.11	0.0019	P	0.3
3	☐	500.000	508.954	2780161.66	0.2029	A	1.0
4	☐	1250.000	1266.338	6763401.64	0.5047	A	0.9
5	☐	2500.000	2600.389	13680050.21	1.0364	A	0.7
6	☐	5000.000	4997.035	26315204.61	1.9916	A	1.0
7	☐	10000.000	9973.896	52675378.66	3.9752	A	0.4
8	☐			7017.30	0.0006	P	1.1

$$y = 3.9856\text{E-}004 * x + 4.9084\text{E-}006$$

$$R = 0.9999$$

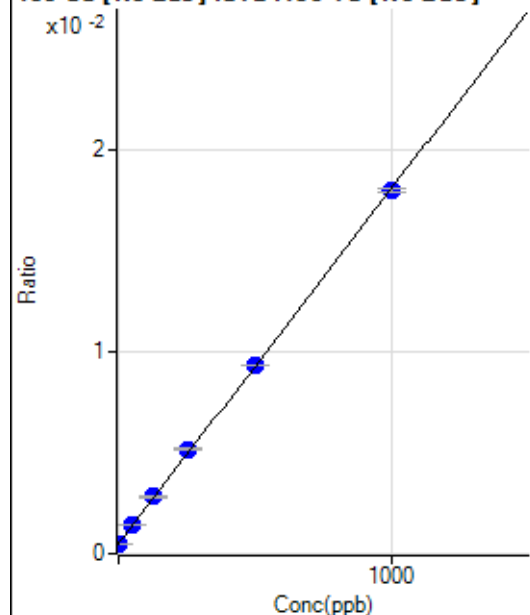
$$DL = 0.01388$$

$$BEC = 0.01232$$

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	5392.16	0.0005	P	5.0
2	☐	1.000	-0.017	5374.38	0.0005	P	3.1
3	☐	50.000	53.479	15600.70	0.0014	P	2.8
4	☐	125.000	131.849	30175.78	0.0028	P	2.8
5	☐	250.000	266.140	55885.78	0.0052	P	0.6
6	☐	500.000	503.093	101142.15	0.0094	P	0.4
7	☐	1000.000	993.390	192903.97	0.0180	P	1.0
8	☐			4801.95	0.0006	P	3.3

$$y = 1.7627\text{E-}005 * x + 4.9550\text{E-}004$$

$$R = 0.9998$$

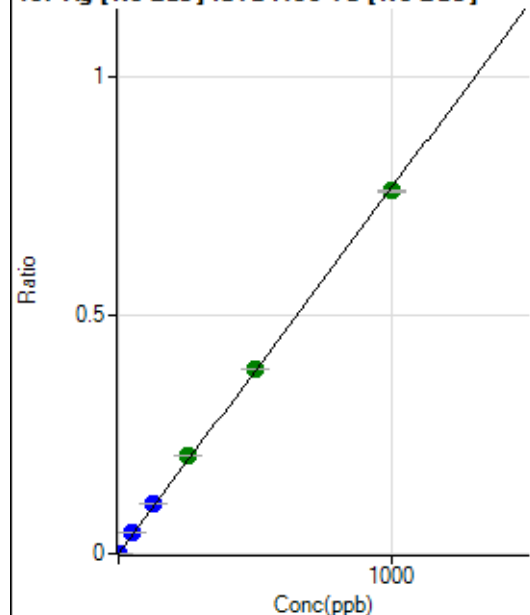
$$DL = 4.205$$

$$BEC = 28.11$$

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	104.44	0.0000	P	22.5
2	☐	1.000	0.995	8371.37	0.0008	P	2.5
3	☐	50.000	56.024	465401.85	0.0429	P	1.1
4	☐	125.000	137.526	1127187.40	0.1053	P	1.6
5	☐	250.000	267.354	2205784.76	0.2047	A	0.8
6	☐	500.000	504.145	4169743.31	0.3860	A	0.8
7	☐	1000.000	991.722	8135681.55	0.7593	A	0.3
8	☐			885.59	0.0001	P	4.6

$$y = 7.6568\text{E-}004 * x + 9.6105\text{E-}006$$

$$R = 0.9998$$

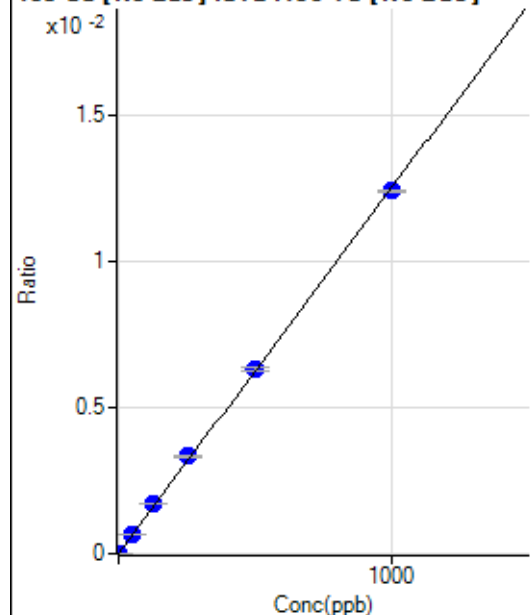
$$DL = 0.008462$$

$$BEC = 0.01255$$

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	16.66	0.0000	P	33.2
2	☐	1.000	0.910	140.00	0.0000	P	15.6
3	☐	50.000	53.790	7321.91	0.0007	P	1.6
4	☐	125.000	134.869	18093.63	0.0017	P	1.0
5	☐	250.000	265.886	35887.67	0.0033	P	1.6
6	☐	500.000	505.357	68364.47	0.0063	P	2.1
7	☐	1000.000	991.927	133081.35	0.0124	P	0.5
8	☐			122.22	0.0000	P	19.8

$$y = 1.2521\text{E-}005 * x + 1.5262\text{E-}006$$

$$R = 0.9998$$

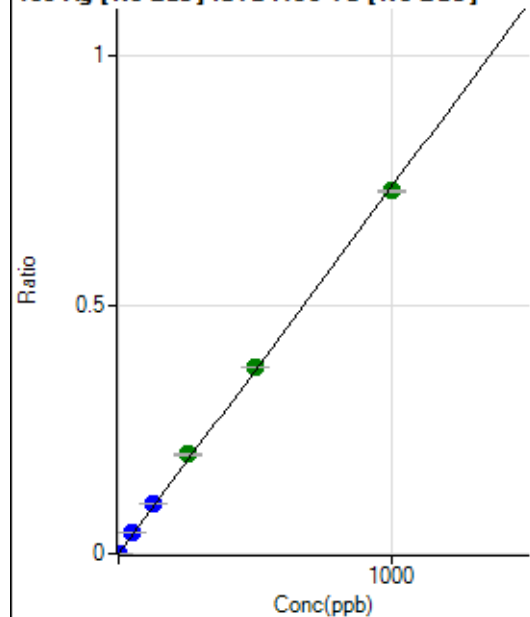
$$DL = 0.1212$$

$$BEC = 0.1219$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	52.22	0.0000	P	26.4
2	☐	1.000	0.973	7839.97	0.0007	P	2.4
3	☐	50.000	55.593	444716.04	0.0410	P	1.6
4	☐	125.000	137.586	1086040.06	0.1015	P	1.3
5	☐	250.000	270.712	2150977.52	0.1996	A	0.7
6	☐	500.000	507.357	4041403.48	0.3741	A	0.5
7	☐	1000.000	989.291	7815746.27	0.7295	A	0.8
8	☐			766.70	0.0001	P	3.0

$$y = 7.3741\text{E-}004 * x + 4.8038\text{E-}006$$

$$R = 0.9997$$

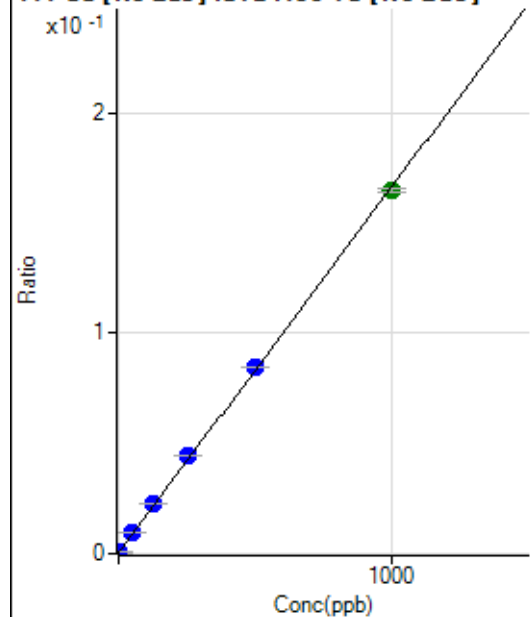
$$DL = 0.005152$$

$$BEC = 0.006514$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3771.74	0.0003	P	5.1
2	☐	1.000	0.995	5555.31	0.0005	P	3.0
3	☐	50.000	54.206	101396.71	0.0093	P	0.5
4	☐	125.000	133.825	241563.59	0.0226	P	1.7
5	☐	250.000	265.981	479627.30	0.0445	P	0.7
6	☐	500.000	509.444	917538.42	0.0849	P	0.2
7	☐	1000.000	989.969	1764900.48	0.1647	A	1.2
8	☐			4150.29	0.0005	P	3.7

$$y = 1.6605\text{E-}004 * x + 3.4660\text{E-}004$$

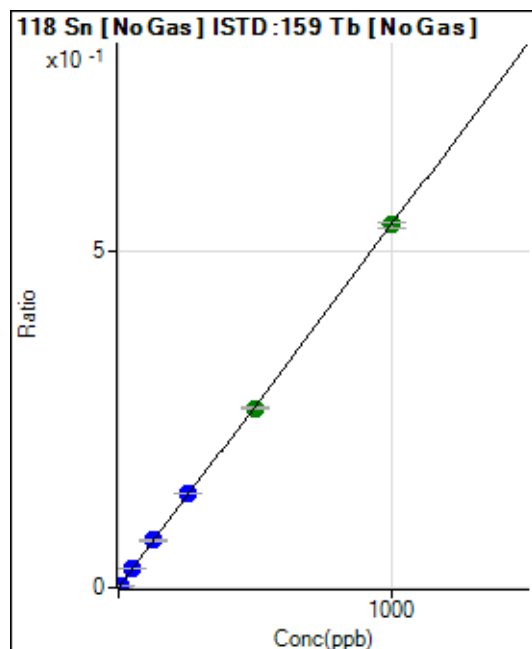
$$R = 0.9998$$

$$DL = 0.3178$$

$$BEC = 2.087$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1889.05	0.0002	P	1.8
2	☐	5.000	4.687	29375.50	0.0027	P	0.8
3	☐	50.000	51.971	306647.07	0.0283	P	1.3
4	☐	125.000	129.934	753746.85	0.0704	P	1.5
5	☐	250.000	261.170	1523237.81	0.1414	P	0.3
6	☐	500.000	494.614	2890363.15	0.2676	A	0.9
7	☐	1000.000	999.187	5789089.43	0.5404	A	1.5
8	☐			4133.97	0.0005	P	2.8

$$y = 5.4063\text{E-}004 * x + 1.7354\text{E-}004$$

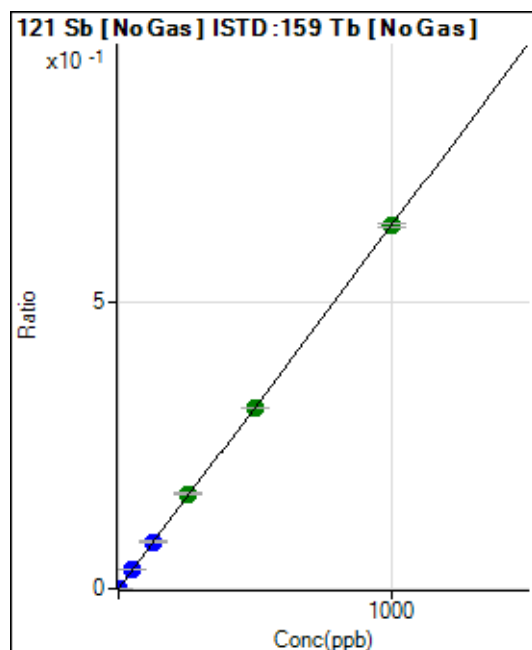
R = 0.9999

DL = 0.01709

BEC = 0.321

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	62.22	0.0000	P	20.4
2	☐	2.000	1.830	12684.59	0.0012	P	2.1
3	☐	50.000	51.367	354301.64	0.0327	P	1.4
4	☐	125.000	129.168	879062.17	0.0821	P	1.7
5	☐	250.000	261.904	1794234.59	0.1665	A	0.4
6	☐	500.000	495.409	3402402.66	0.3150	A	0.2
7	☐	1000.000	998.730	6802880.39	0.6350	A	1.2
8	☐			4683.03	0.0005	P	2.9

$$y = 6.3579\text{E-}004 * x + 5.7167\text{E-}006$$

R = 0.9999

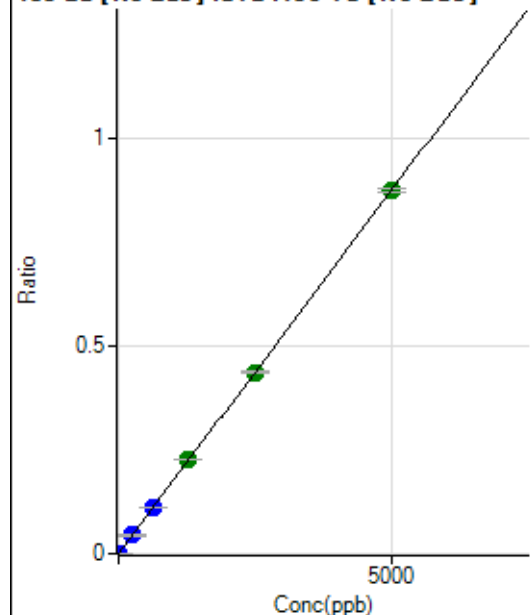
DL = 0.005497

BEC = 0.008992

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	34.44	0.0000	P	56.1
2	☐	10.000	9.065	17202.72	0.0016	P	4.0
3	☐	250.000	251.692	476695.95	0.0439	P	1.4
4	☐	625.000	631.314	1179885.65	0.1102	P	1.3
5	☐	1250.000	1292.177	2430945.69	0.2256	A	0.7
6	☐	2500.000	2493.165	4702084.55	0.4353	A	0.8
7	☐	5000.000	4992.001	9337918.75	0.8716	A	1.0
8	☐			4400.72	0.0005	P	2.0

$$y = 1.7460\text{E-}004 * x + 3.1666\text{E-}006$$

$$R = 1.0000$$

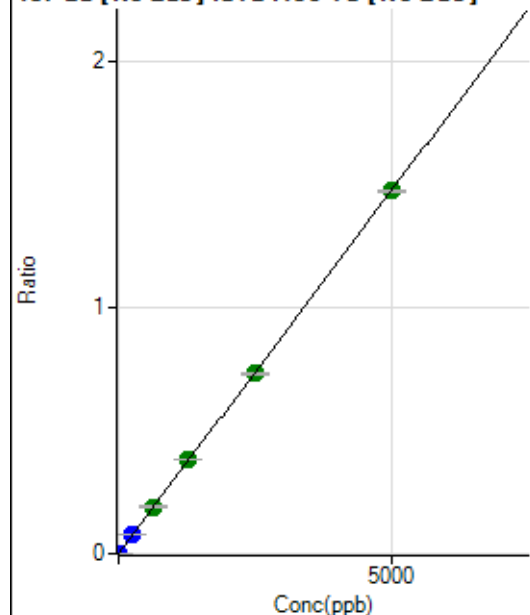
$$DL = 0.03052$$

$$BEC = 0.01814$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	51.11	0.0000	P	17.8
2	☐	10.000	9.246	29620.86	0.0027	P	1.5
3	☐	250.000	254.427	813544.92	0.0750	P	1.3
4	☐	625.000	645.710	2037292.04	0.1903	A	1.8
5	☐	1250.000	1294.006	4110003.27	0.3814	A	0.7
6	☐	2500.000	2481.738	7902224.47	0.7316	A	0.6
7	☐	5000.000	4995.321	15776227.82	1.4725	A	0.8
8	☐			7469.82	0.0009	P	0.9

$$y = 2.9477\text{E-}004 * x + 4.7030\text{E-}006$$

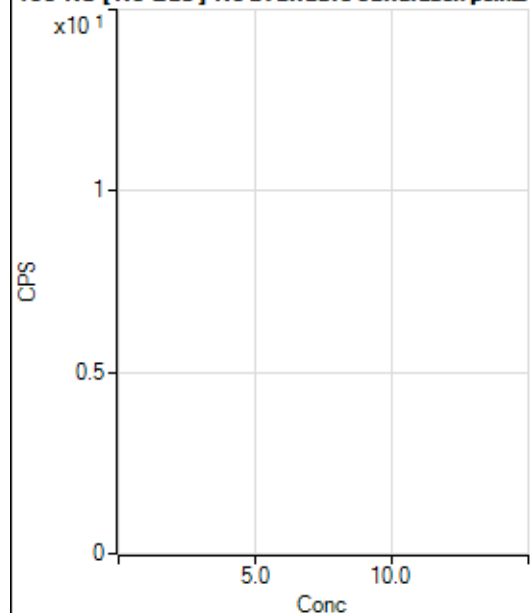
$$R = 0.9999$$

$$DL = 0.008524$$

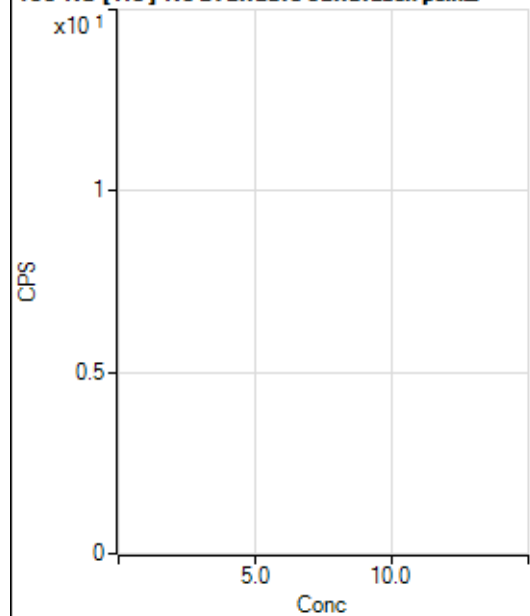
$$BEC = 0.01595$$

Weight: <None>

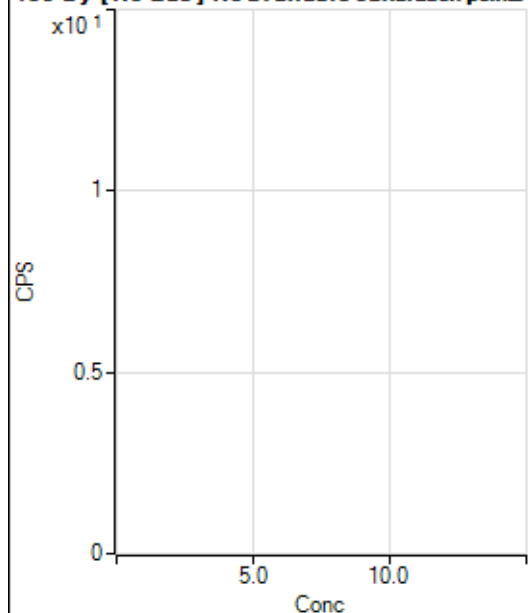
Min Conc: 0

150 Nd [No Gas] No available calibration points

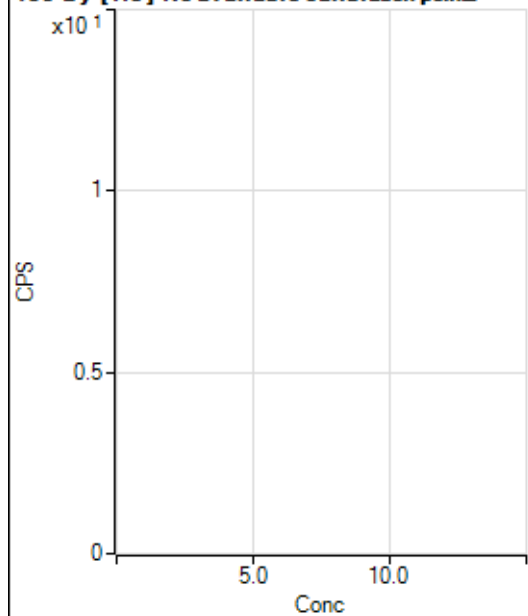
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	86.6
2	☐			13.33		P	66.2
3	☐			51.11		P	37.1
4	☐			117.78		P	3.3
5	☐			216.67		P	2.7
6	☐			451.12		P	1.9
7	☐			767.81		P	5.0
8	☐			232.23		P	12.0

150 Nd [He] No available calibration points

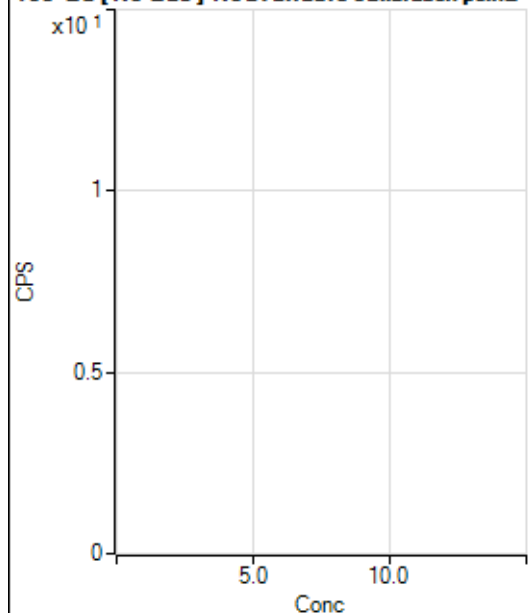
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐			8.89		P	43.3
3	☐			12.22		P	68.7
4	☐			27.78		P	18.3
5	☐			50.00		P	23.1
6	☐			80.00		P	25.3
7	☐			136.67		P	12.2
8	☐			103.34		P	20.1

156 Dy [No Gas] No available calibration points

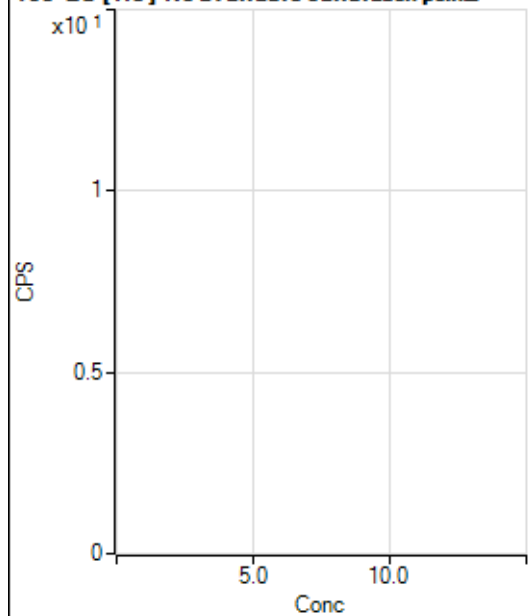
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			10.00		P	66.7
2	☐			10.00		P	88.2
3	☐			34.45		P	31.1
4	☐			71.11		P	17.7
5	☐			123.33		P	18.7
6	☐			233.34		P	10.8
7	☐			455.57		P	8.9
8	☐			1394.53		P	7.1

156 Dy [He] No available calibration points

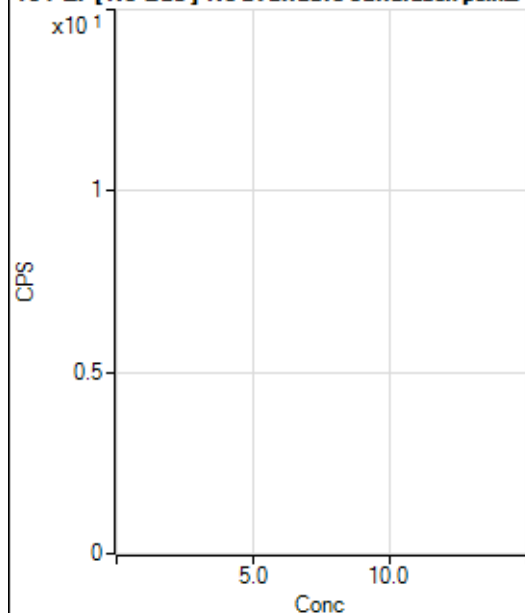
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.56		P	34.7
2	☐			3.33		P	100.
3	☐			32.22		P	39.2
4	☐			72.22		P	30.0
5	☐			137.78		P	8.5
6	☐			323.34		P	11.2
7	☐			552.24		P	11.2
8	☐			863.37		P	5.2

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

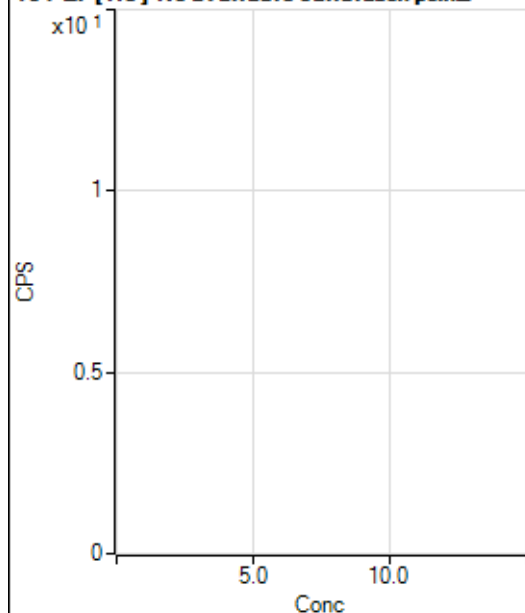
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			47.78		P	20.1
2	☐			44.44		P	41.3
3	☐			67.78		P	10.2
4	☐			92.22		P	17.8
5	☐			133.34		P	12.5
6	☐			214.45		P	6.3
7	☐			422.24		P	7.5
8	☐			1413.42		P	1.4

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			357.78		P	11.3
2	☐			360.01		P	4.9
3	☐			393.34		P	7.5
4	☐			404.46		P	10.8
5	☐			455.57		P	3.8
6	☐			525.57		P	4.6
7	☐			640.02		P	11.5
8	☐			1283.41		P	0.5

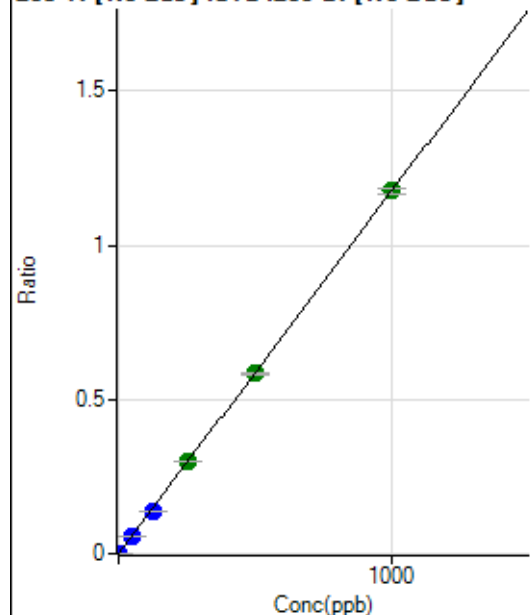
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			78.89		P	31.1
2	☐			95.56		P	19.2
3	☐			78.89		P	8.8
4	☐			88.89		P	15.2
5	☐			71.11		P	21.1
6	☐			95.56		P	25.2
7	☐			135.56		P	9.3
8	☐			236.67		P	9.9

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			51.11		P	16.4
2	☐			36.67		P	24.0
3	☐			52.22		P	13.3
4	☐			47.78		P	16.1
5	☐			70.00		P	28.6
6	☐			62.22		P	8.2
7	☐			94.45		P	27.0
8	☐			127.78		P	5.4

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	175.56	0.0000	P	21.3
2	☐	1.000	0.850	6231.49	0.0010	P	3.2
3	☐	50.000	47.504	338704.29	0.0559	P	1.1
4	☐	125.000	118.258	840687.88	0.1390	P	0.1
5	☐	250.000	255.818	1803128.55	0.3007	A	1.0
6	☐	500.000	496.786	3515484.56	0.5839	A	1.4
7	☐	1000.000	1001.120	6862407.05	1.1767	A	1.6
8	☐			1794.58	0.0004	P	1.3

$$y = 0.0012 * x + 2.8762E-005$$

$$R = 0.9999$$

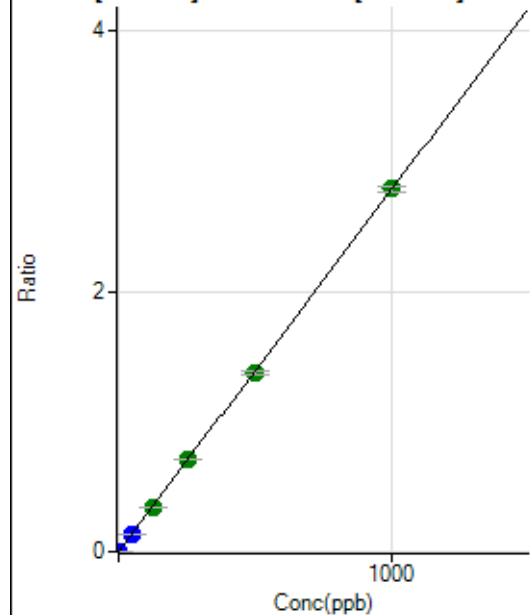
$$DL = 0.01567$$

$$BEC = 0.02447$$

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	423.35	0.0001	P	6.5
2	☐	1.000	0.835	14504.52	0.0024	P	1.6
3	☐	50.000	47.090	794180.08	0.1310	P	1.0
4	☐	125.000	123.725	2080454.48	0.3440	A	1.2
5	☐	250.000	255.266	4255841.67	0.7097	A	1.4
6	☐	500.000	493.886	8267061.68	1.3731	A	1.2
7	☐	1000.000	1002.046	16247570.87	2.7859	A	1.4
8	☐			4256.26	0.0010	P	2.8

$$y = 0.0028 * x + 6.9325E-005$$

$$R = 1.0000$$

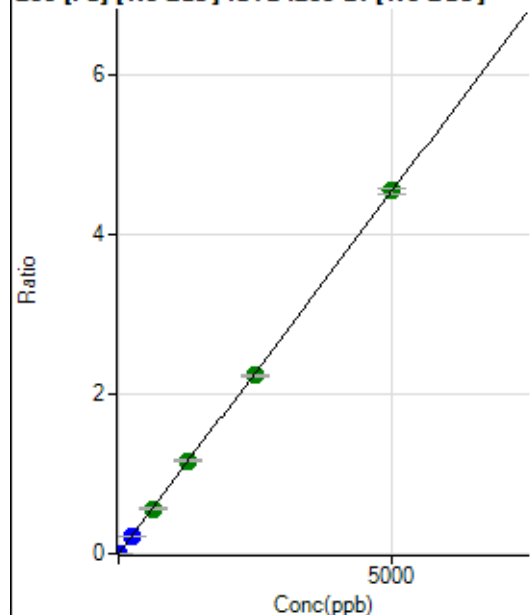
$$DL = 0.004826$$

$$BEC = 0.02494$$

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	326.68	0.0001	P	16.5
2	☐	1.000	0.852	5022.09	0.0008	P	1.1
3	☐	250.000	242.359	1335084.69	0.2202	P	1.9
4	☐	625.000	619.318	3401703.94	0.5626	A	2.1
5	☐	1250.000	1278.840	6966105.45	1.1617	A	1.5
6	☐	2500.000	2466.725	13490255.36	2.2408	A	1.3
7	☐	5000.000	5010.520	26544034.60	4.5515	A	1.5
8	☐			11526.10	0.0027	P	0.5

$$y = 9.0837E-004 * x + 5.3515E-005$$

$$R = 0.9999$$

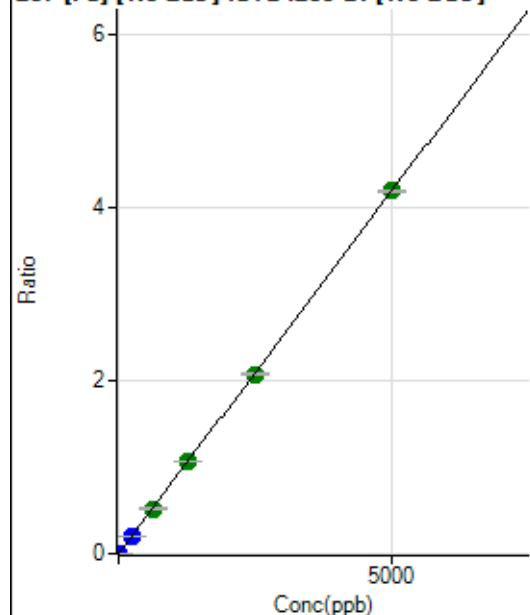
$$DL = 0.02912$$

$$BEC = 0.05891$$

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	268.89	0.0000	P	6.0
2	☐	1.000	0.843	4553.03	0.0008	P	4.7
3	☐	250.000	234.023	1189238.29	0.1961	P	0.9
4	☐	625.000	623.111	3157322.73	0.5222	A	1.3
5	☐	1250.000	1280.608	6434626.85	1.0731	A	0.6
6	☐	2500.000	2474.322	12482724.68	2.0734	A	1.1
7	☐	5000.000	5006.222	24465956.02	4.1950	A	0.9
8	☐			9974.86	0.0023	P	3.2

$$y = 8.3794E-004 * x + 4.4025E-005$$

$$R = 1.0000$$

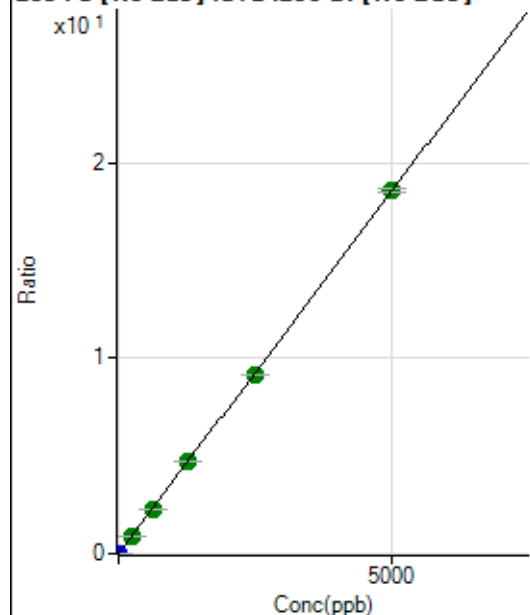
$$DL = 0.009398$$

$$BEC = 0.05254$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1268.93	0.0002	P	3.2
2	☐	1.000	0.847	20322.83	0.0034	P	2.9
3	☐	250.000	244.165	5493030.93	0.9060	A	0.7
4	☐	625.000	618.265	13868839.62	2.2937	A	1.4
5	☐	1250.000	1279.541	28463030.83	4.7468	A	0.9
6	☐	2500.000	2469.211	55148388.49	9.1600	A	0.7
7	☐	5000.000	5009.143	108372845.3	18.5821	A	1.1
8	☐			45721.64	0.0107	P	0.5

$$y = 0.0037 * x + 2.0772E-004$$

$$R = 1.0000$$

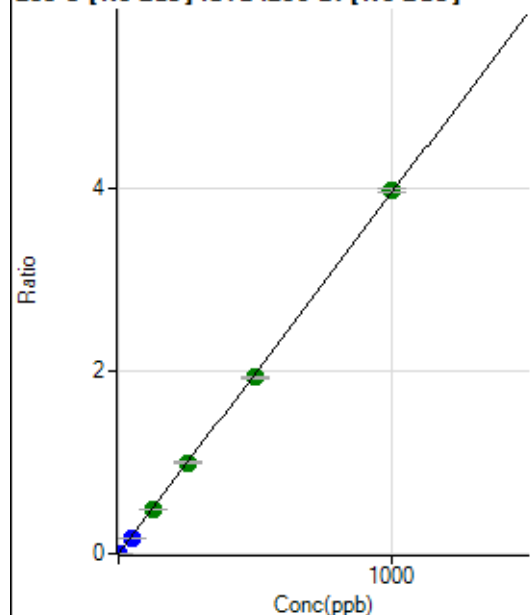
$$DL = 0.005403$$

$$BEC = 0.05599$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0000	P	30.5
2	☐	1.000	0.807	19359.73	0.0032	P	2.6
3	☐	50.000	45.006	1078465.14	0.1779	P	1.3
4	☐	125.000	122.035	2916458.57	0.4823	A	1.7
5	☐	250.000	251.914	5969922.27	0.9956	A	1.4
6	☐	500.000	489.475	11646639.41	1.9345	A	1.2
7	☐	1000.000	1005.405	23174597.71	3.9735	A	1.2
8	☐			2325.78	0.0005	P	5.1

$$y = 0.0040 * x + 3.6338E-006$$

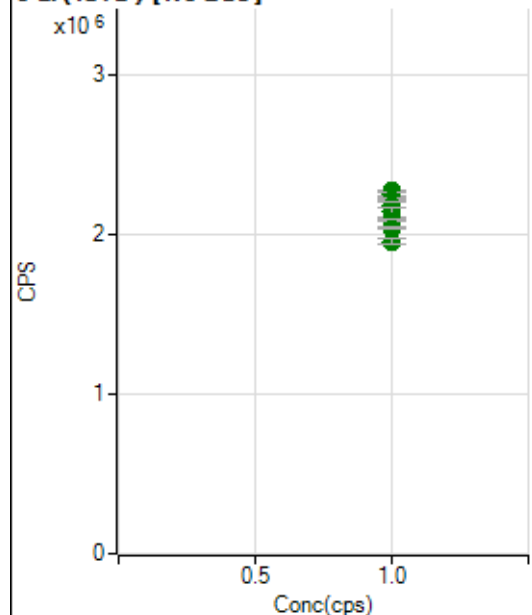
$$R = 0.9999$$

$$DL = 0.00084$$

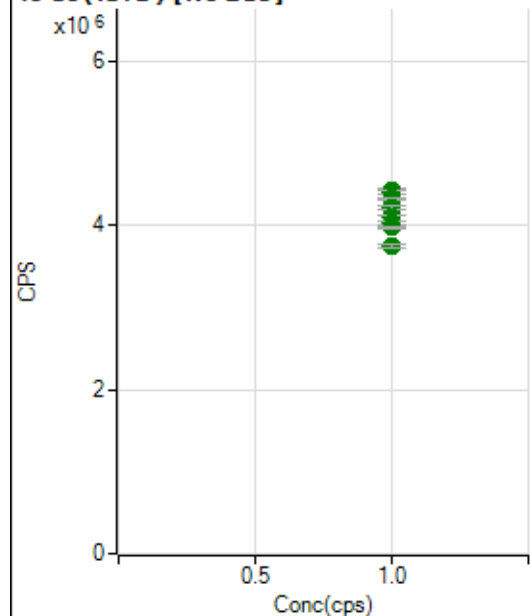
$$BEC = 0.0009194$$

Weight: <None>

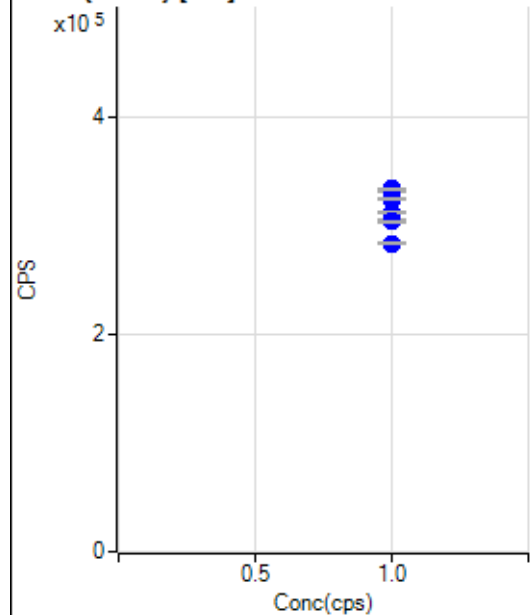
Min Conc: 0

6 Li (ISTD) [No Gas]

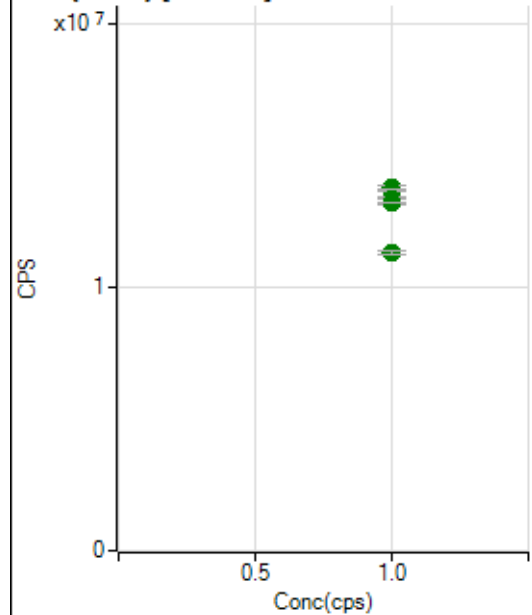
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2275964.27		A	0.9
2	☐	1.000		2253322.03		A	1.1
3	☐	1.000		2222001.43		A	0.5
4	☐	1.000		2189155.87		A	2.0
5	☐	1.000		2143078.54		A	2.6
6	☐	1.000		2092001.31		A	0.4
7	☐	1.000		2044695.44		A	0.6
8	☐	1.000		1958197.75		A	1.6

45 Sc (ISTD) [No Gas]

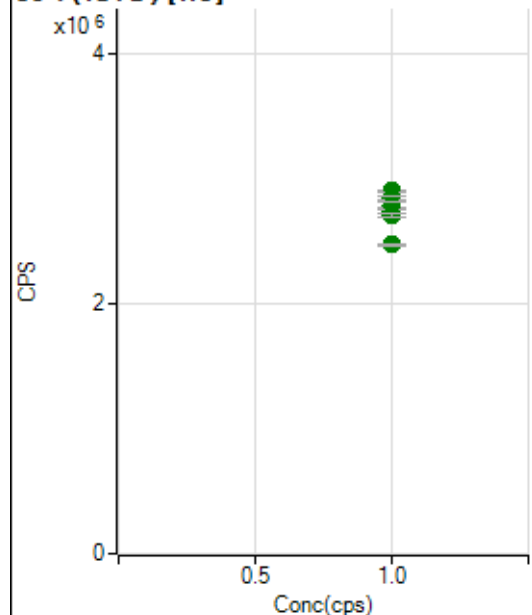
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4424093.65		A	1.4
2	☐	1.000		4399793.37		A	1.1
3	☐	1.000		4331255.53		A	0.6
4	☐	1.000		4222137.82		A	1.2
5	☐	1.000		4094376.92		A	2.1
6	☐	1.000		4027268.51		A	0.9
7	☐	1.000		3980307.65		A	0.5
8	☐	1.000		3751837.41		A	1.2

45 Sc (ISTD) [He]

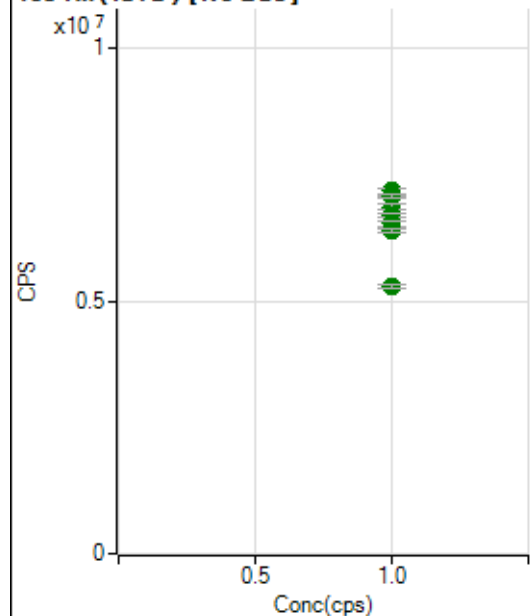
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		332963.27		P	0.3
2	☐	1.000		334617.18		P	0.7
3	☐	1.000		324807.81		P	0.5
4	☐	1.000		312882.49		P	0.6
5	☐	1.000		305456.36		P	0.4
6	☐	1.000		304545.92		P	0.3
7	☐	1.000		304177.48		P	1.1
8	☐	1.000		284161.02		P	0.8

89 Y (ISTD) [No Gas]

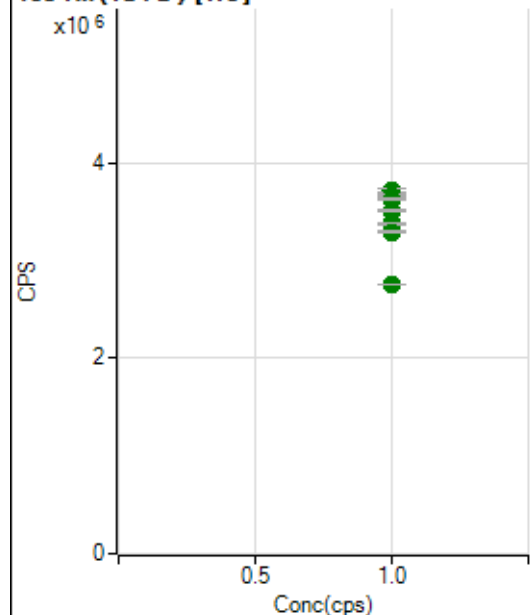
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13793116.32		A	1.0
2	☐	1.000		13672834.80		A	0.4
3	☐	1.000		13704933.54		A	0.6
4	☐	1.000		13399966.61		A	0.5
5	☐	1.000		13199614.80		A	0.7
6	☐	1.000		13213194.53		A	0.6
7	☐	1.000		13250835.78		A	0.3
8	☐	1.000		11349338.30		A	1.1

89 Y (ISTD) [He]

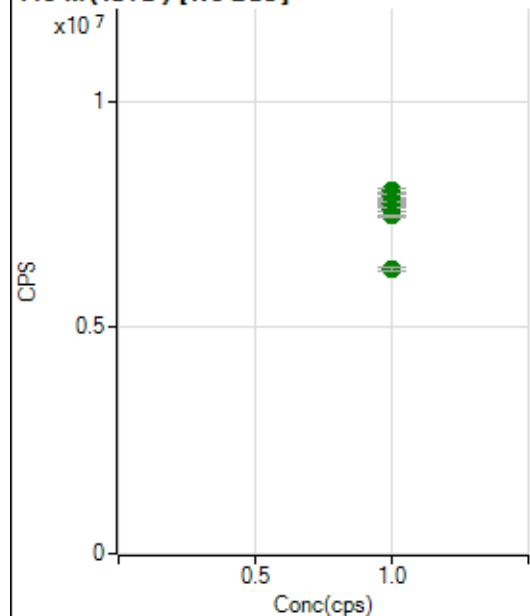
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2903516.59		A	0.5
2	☐	1.000		2894778.71		A	0.1
3	☐	1.000		2848828.85		A	0.9
4	☐	1.000		2791434.85		A	1.3
5	☐	1.000		2742278.92		A	1.3
6	☐	1.000		2742001.73		A	1.0
7	☐	1.000		2708028.43		A	0.9
8	☐	1.000		2473986.06		A	0.7

103 Rh (ISTD) [No Gas]

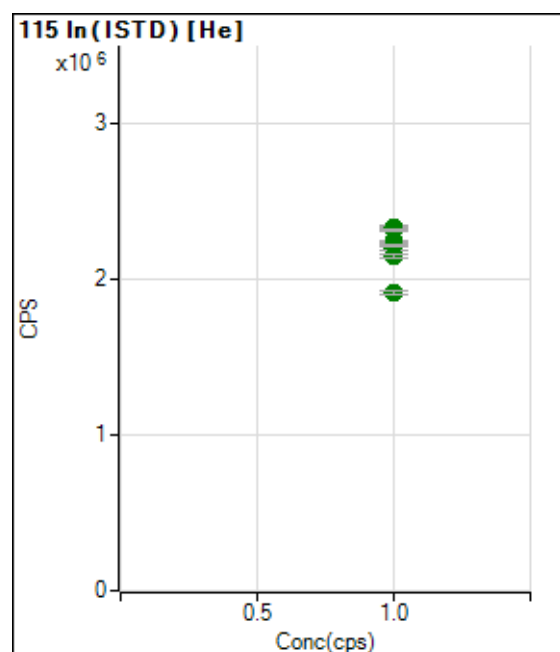
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7183396.56		A	1.6
2	☐	1.000		7106953.09		A	0.7
3	☐	1.000		7077530.10		A	0.9
4	☐	1.000		6865492.95		A	1.8
5	☐	1.000		6700219.07		A	0.7
6	☐	1.000		6531436.16		A	1.3
7	☐	1.000		6391526.36		A	1.0
8	☐	1.000		5291063.11		A	1.1

103 Rh (ISTD) [He]

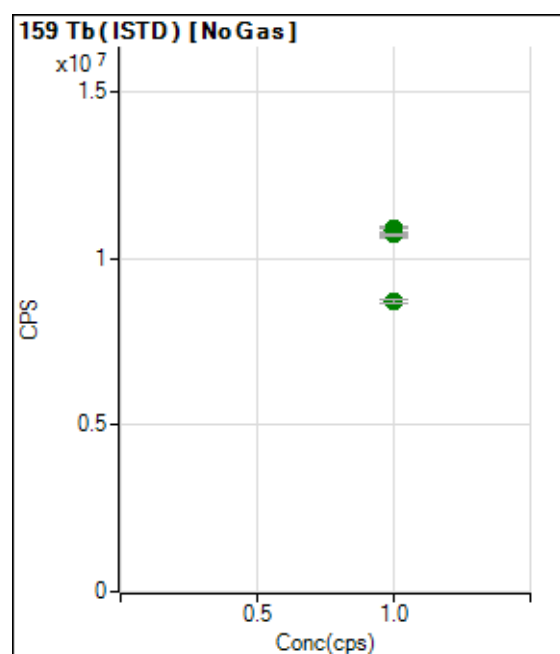
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3709966.26		A	1.0
2	☐	1.000		3662980.64		A	0.5
3	☐	1.000		3621334.70		A	0.6
4	☐	1.000		3509684.15		A	0.5
5	☐	1.000		3385670.26		A	0.3
6	☐	1.000		3367511.23		A	0.5
7	☐	1.000		3288225.37		A	0.5
8	☐	1.000		2746318.78		A	0.1

115 In (ISTD) [No Gas]

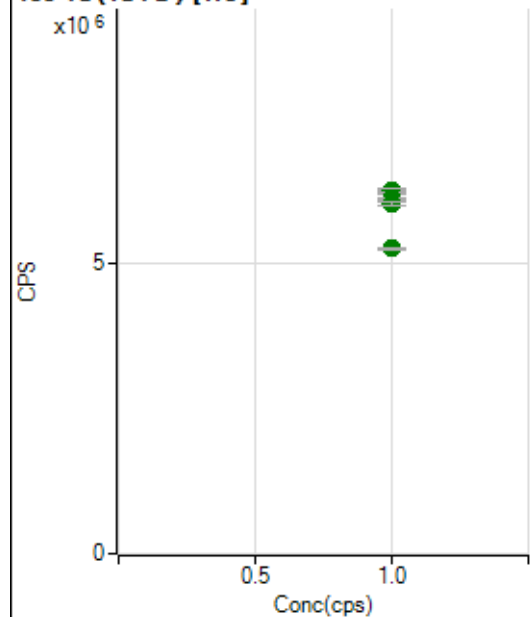
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8014794.90		A	1.5
2	☐	1.000		7954945.39		A	0.6
3	☐	1.000		7909160.03		A	1.1
4	☐	1.000		7779801.34		A	0.9
5	☐	1.000		7727841.33		A	0.9
6	☐	1.000		7599121.64		A	1.3
7	☐	1.000		7458126.79		A	0.3
8	☐	1.000		6288508.36		A	1.4



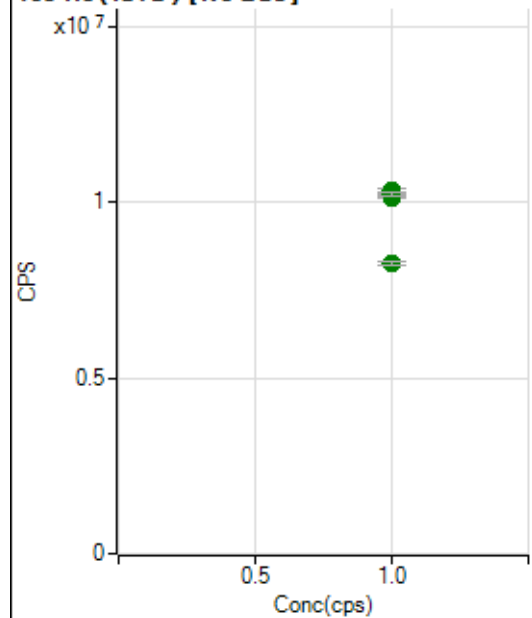
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2323893.92		A	0.6
2	☐	1.000		2329457.23		A	1.7
3	☐	1.000		2315146.74		A	0.7
4	☐	1.000		2242379.16		A	0.6
5	☐	1.000		2199059.60		A	1.1
6	☐	1.000		2217361.14		A	0.9
7	☐	1.000		2149264.33		A	1.0
8	☐	1.000		1917294.02		A	1.0



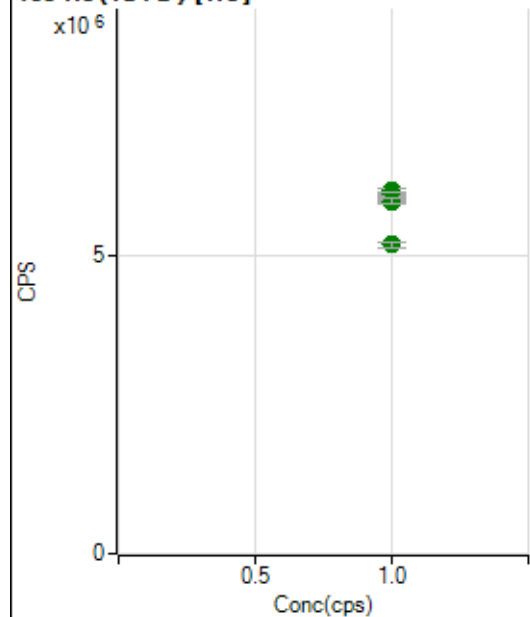
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10885784.28		A	1.5
2	☐	1.000		10850933.93		A	1.1
3	☐	1.000		10847435.05		A	0.6
4	☐	1.000		10705381.02		A	1.6
5	☐	1.000		10774893.31		A	0.3
6	☐	1.000		10801957.27		A	0.3
7	☐	1.000		10713949.42		A	0.6
8	☐	1.000		8723600.01		A	1.0

159 Tb (ISTD) [He]

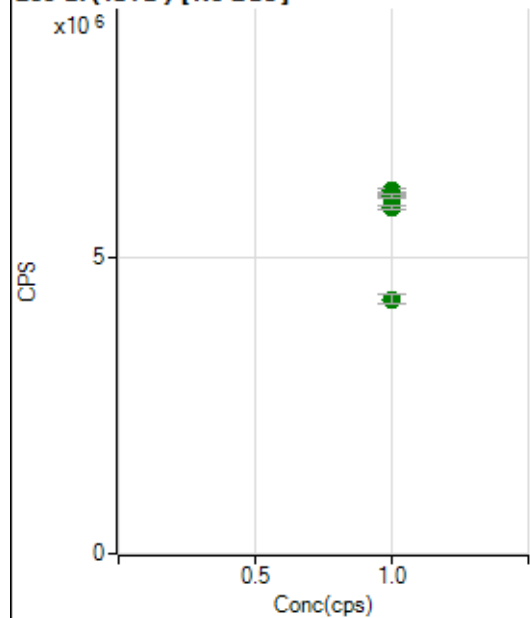
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6222816.71		A	1.1
2	☐	1.000		6110173.24		A	0.8
3	☐	1.000		6242745.18		A	1.2
4	☐	1.000		6082251.99		A	0.4
5	☐	1.000		6021032.69		A	1.2
6	☐	1.000		6112645.74		A	0.5
7	☐	1.000		6013553.17		A	1.3
8	☐	1.000		5254737.11		A	0.8

165 Ho (ISTD) [No Gas]

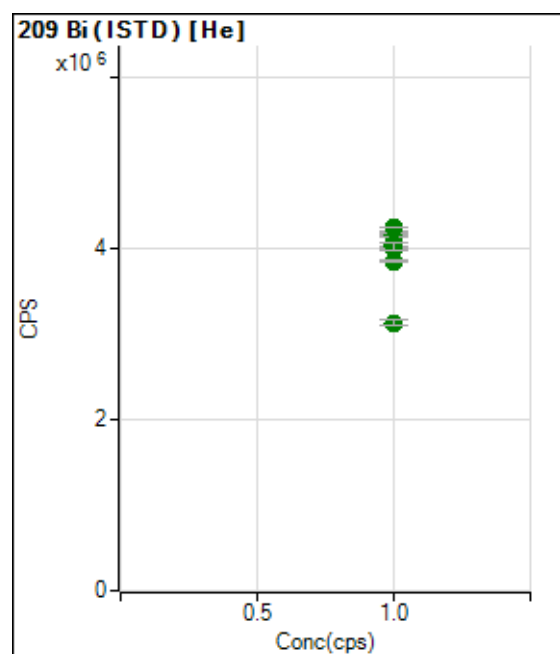
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10319856.51		A	1.0
2	☐	1.000		10279474.85		A	0.6
3	☐	1.000		10296186.72		A	0.2
4	☐	1.000		10190558.74		A	0.8
5	☐	1.000		10120673.46		A	0.4
6	☐	1.000		10253923.94		A	0.9
7	☐	1.000		10222349.29		A	0.7
8	☐	1.000		8249417.72		A	1.4

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6033744.42		A	0.9
2	☐	1.000		5948113.38		A	0.7
3	☐	1.000		6069589.21		A	1.0
4	☐	1.000		5902089.01		A	1.3
5	☐	1.000		5906232.00		A	0.6
6	☐	1.000		6012902.20		A	1.4
7	☐	1.000		5898702.20		A	1.7
8	☐	1.000		5166339.86		A	1.4

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6108266.44		A	1.1
2	☐	1.000		6066947.62		A	0.9
3	☐	1.000		6063444.36		A	0.7
4	☐	1.000		6047113.87		A	1.2
5	☐	1.000		5996228.45		A	0.3
6	☐	1.000		6020821.30		A	0.8
7	☐	1.000		5832653.14		A	1.3
8	☐	1.000		4283449.45		A	3.5



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4178251.78		A	0.7
2	☐	1.000		4162032.30		A	1.4
3	☐	1.000		4242318.06		A	0.2
4	☐	1.000		4045394.83		A	1.2
5	☐	1.000		4008807.37		A	0.5
6	☐	1.000		4023507.58		A	2.1
7	☐	1.000		3851399.25		A	0.8
8	☐	1.000		3135209.81		A	1.9