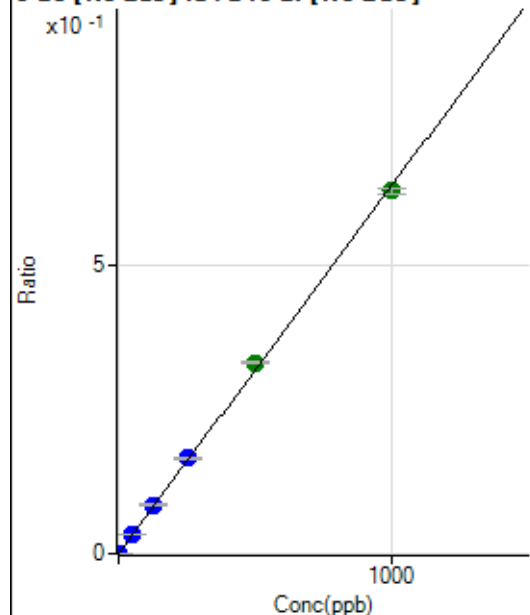


Calibration for 011CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8030623-MS.b\
 Analysis File: P8030623-MS.batch.bin
 DA Date-Time: 2023-03-06 18:50:46
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2023-03-06 13:35:59
2	006CALS.d	S02	2023-03-06 13:42:05
3	007CALS.d	S03	2023-03-06 13:45:07
4	008CALS.d	S04	2023-03-06 13:48:07
5	009CALS.d	S05	2023-03-06 13:51:06
6	010CALS.d	S06	2023-03-06 13:54:07
7	011CALS.d	S07	2023-03-06 13:57:06
8	013CALS.d	S08	2023-03-06 14:07:29

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	28.33	0.0000	P	16.7
2	☐	1.000	1.021	2611.16	0.0007	P	1.9
3	☐	50.000	53.176	132186.04	0.0339	P	1.4
4	☐	125.000	132.999	327572.89	0.0848	P	3.9
5	☐	250.000	259.891	643108.58	0.1656	P	1.9
6	☐	500.000	519.390	1255564.74	0.3310	A	0.5
7	☐	1000.000	986.673	2450695.44	0.6288	A	1.6
8	☐			238.72	0.0001	P	14.6

$$y = 6.3726\text{E-}004 * x + 7.2480\text{E-}006$$

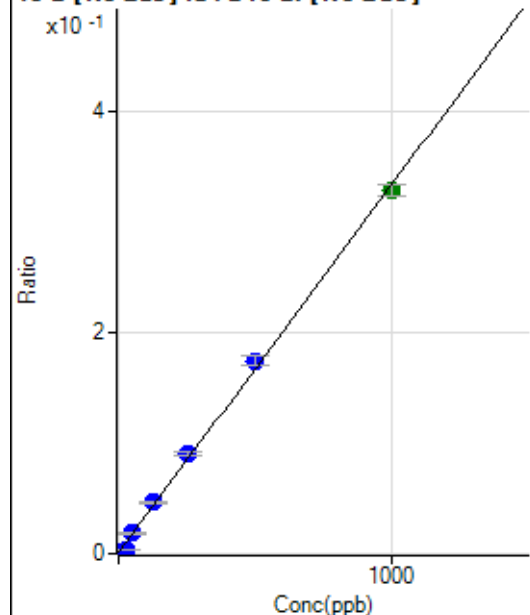
$$R = 0.9996$$

$$DL = 0.005694$$

$$BEC = 0.01137$$

Weight: <None>

Min Conc: 0

10 B [No Gas] ISTD:6 Li [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3877.10	0.0010	P	1.1
2	☐	25.000	5.594	11316.79	0.0029	P	3.6
3	☐	50.000	52.152	71482.80	0.0183	P	5.7
4	☐	125.000	136.819	179730.75	0.0465	P	4.6
5	☐	250.000	268.720	350673.52	0.0903	P	4.5
6	☐	500.000	521.043	660638.16	0.1742	P	5.3
7	☐	1000.000	983.699	1278684.32	0.3280	A	3.4
8	☐			20578.99	0.0058	P	3.0

$$y = 3.3243\text{E-}004 * x + 9.9175\text{E-}004$$

$$R = 0.9990$$

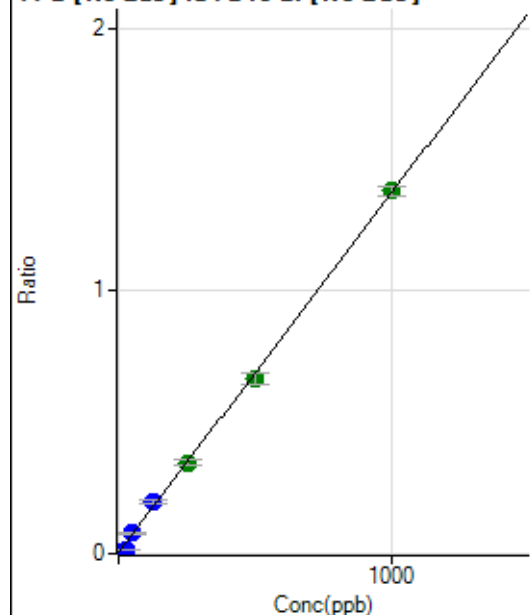
$$DL = 0.09598$$

$$BEC = 2.983$$

Weight: <None>

Min Conc: 0

11 B [No Gas] ISTD:6 Li [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16501.34	0.0042	P	3.1
2	☐	25.000	5.891	48773.34	0.0123	P	3.2
3	☐	50.000	53.834	304047.91	0.0780	P	6.1
4	☐	125.000	141.720	767007.54	0.1983	P	4.8
5	☐	250.000	250.560	1348604.87	0.3474	A	5.4
6	☐	500.000	484.747	2533975.64	0.6682	A	6.2
7	☐	1000.000	1005.683	5386815.21	1.3817	A	2.4
8	☐			86600.34	0.0243	P	2.4

$$y = 0.0014 * x + 0.0042$$

$$R = 0.9994$$

$$DL = 0.2839$$

$$BEC = 3.082$$

Weight: <None>

Min Conc: 0

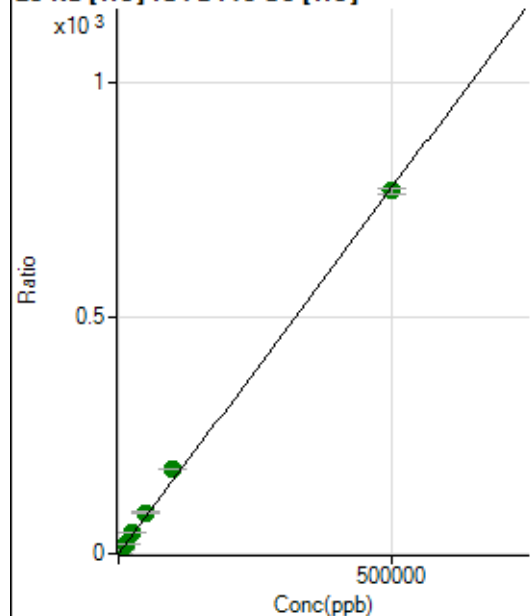
12 C [No Gas] No available calibration points



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3533015.49		A	0.9
2	☐			3491999.69		A	0.5
3	☐			4079956.25		A	3.6
4	☐			4229494.06		A	4.2
5	☐			4287483.34		A	3.3
6	☐			4519052.75		A	5.2
7	☐			4876082.49		A	5.2
8	☐			4381225.49		A	4.1

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			41174.88		P	1.9
2	☐			39475.96		P	2.4
3	☐			50565.46		P	1.5
4	☐			51914.61		P	2.3
5	☐			52379.88		P	0.7
6	☐			57181.31		P	0.5
7	☐			63370.48		P	0.8
8	☐			56327.99		P	0.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	15072.02	0.1038	P	5.2
2	☐	500.000	478.193	123532.30	0.8454	P	2.6
3	☐	5000.000	5588.979	1266401.75	8.7720	A	5.4
4	☐	12500.000	14264.280	3170695.82	22.2269	A	0.9
5	☐	25000.000	28117.684	6145455.69	43.7128	A	2.2
6	☐	50000.000	56279.180	12289778.14	87.3897	A	1.1
7	☐	100000.00	115402.58	25214089.28	179.0869	A	1.0
8	☐	500000.00	496085.70	105952324.5	769.5055	A	1.3

$$y = 0.0016 * x + 0.1038$$

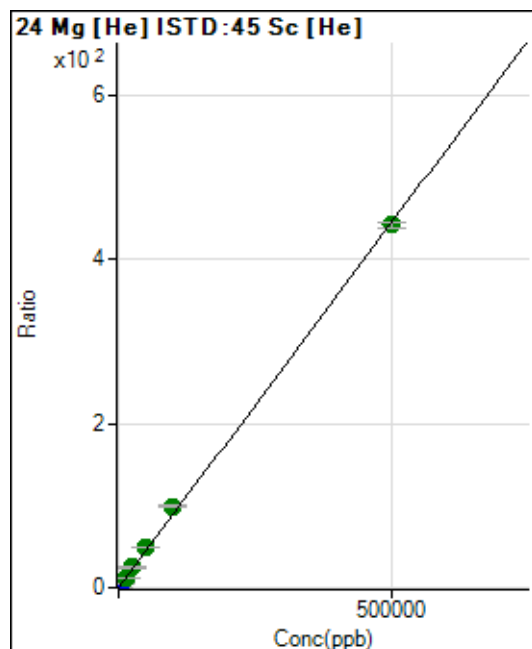
$$R = 0.9995$$

$$DL = 10.36$$

$$BEC = 66.92$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	177.79	0.0012	P	13.6
2	☐	500.000	478.600	62406.56	0.4271	P	3.5
3	☐	5000.000	5469.512	702943.45	4.8685	P	3.2
4	☐	12500.000	14192.304	1801655.62	12.6308	A	2.3
5	☐	25000.000	27761.731	3474542.27	24.7060	A	2.2
6	☐	50000.000	55673.921	6967087.40	49.5447	A	1.7
7	☐	100000.00	111780.27	14000152.74	99.4730	A	2.8
8	☐	500000.00	496891.48	60883013.86	442.1783	A	1.6

$$y = 8.8989\text{E-}004 * x + 0.0012$$

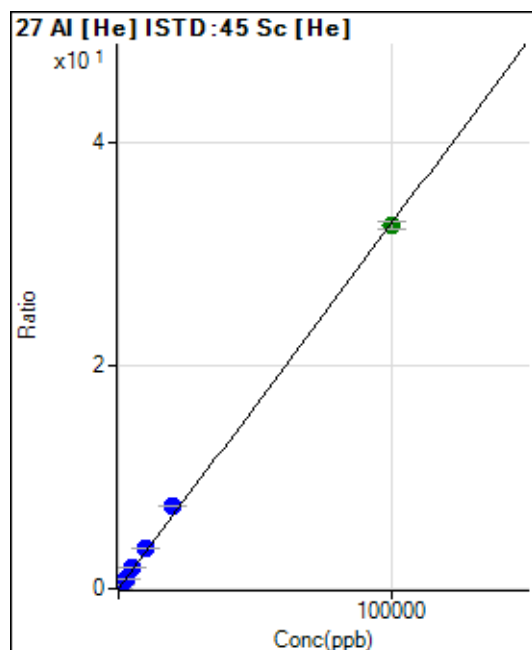
$$R = 0.9997$$

$$DL = 0.5618$$

$$BEC = 1.375$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	109.99	0.0008	P	3.6
2	☐	20.000	18.634	1003.25	0.0069	P	3.2
3	☐	1000.000	1100.299	52175.51	0.3614	P	3.4
4	☐	2500.000	2853.912	133529.64	0.9361	P	1.7
5	☐	5000.000	5614.164	258805.53	1.8407	P	2.7
6	☐	10000.000	11127.620	512963.10	3.6477	P	2.2
7	☐	20000.000	22610.086	1043329.16	7.4109	P	1.0
8	☐	100000.00	99324.662	4482203.79	32.5532	A	2.0

$$y = 3.2774\text{E-}004 * x + 7.5751\text{E-}004$$

$$R = 0.9996$$

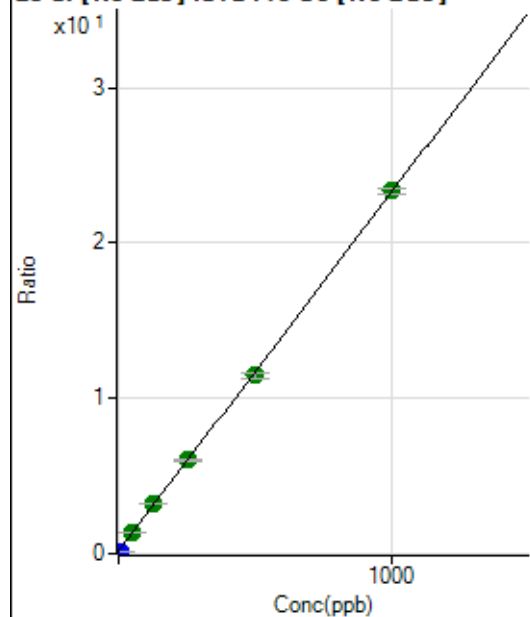
$$DL = 0.2465$$

$$BEC = 2.311$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	673261.76	0.1670	P	1.0
2	☐	10.000	0.457	741059.08	0.1776	P	1.4
3	☐	50.000	52.189	5489664.10	1.3726	A	3.9
4	☐	125.000	132.664	12998488.83	3.2315	A	2.5
5	☐	250.000	252.839	23918929.36	6.0075	A	2.2
6	☐	500.000	489.103	45218719.06	11.4651	A	3.1
7	☐	1000.000	1003.767	94838014.62	23.3537	A	1.3
8	☐			1041154.38	0.2692	A	10.5

$$y = 0.0231 * x + 0.1670$$

$$R = 0.9998$$

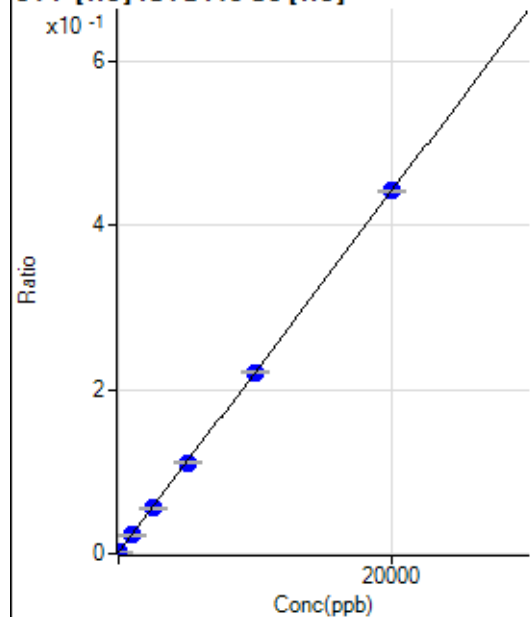
$$DL = 0.2173$$

$$BEC = 7.23$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	-18.886	111.12	0.0008	P	23.3
2	☐	0.000	18.886	233.34	0.0016	P	37.6
3	☐	1000.000	976.011	3278.23	0.0227	P	4.0
4	☐	2500.000	2478.263	7963.56	0.0558	P	4.0
5	☐	5000.000	4987.927	15625.41	0.1112	P	3.7
6	☐	10000.000	9994.562	31156.24	0.2216	P	1.3
7	☐	20000.000	20009.654	62284.49	0.4424	P	0.3
8	☐			208.34	0.0015	P	26.2

$$y = 2.2050E-005 * x + 0.0012$$

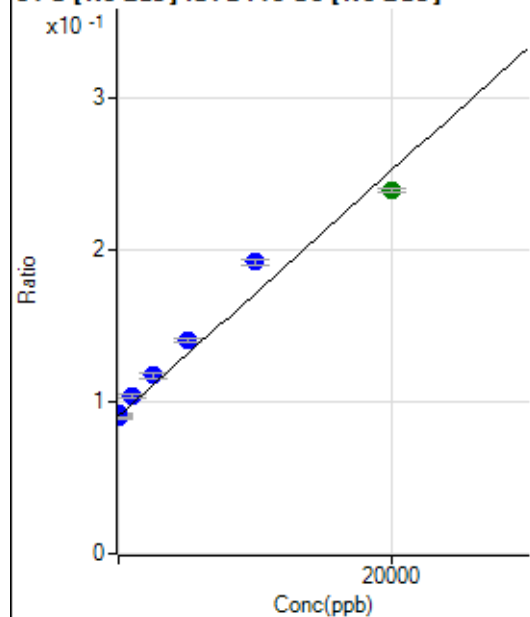
$$R = 1.0000$$

$$DL = 52.96$$

$$BEC = 53.6$$

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	142.450	369224.51	0.0916	P	0.5
2	☐	0.000	-142.450	372654.05	0.0893	P	1.4
3	☐	1000.000	1623.254	414248.59	0.1035	P	1.4
4	☐	2500.000	3303.773	471024.79	0.1171	P	2.8
5	☐	5000.000	6184.464	558897.75	0.1404	P	1.8
6	☐	10000.000	12505.583	754976.17	0.1914	P	2.3
7	☐	20000.000	18319.458	967918.64	0.2383	A	1.0
8	☐			378001.75	0.0977	P	3.6

$$y = 8.0733\text{E-}006 * x + 0.0904$$

$$R = 0.9849$$

$$DL = 319.4$$

$$BEC = 1.12\text{E}+04$$

Weight: <None>

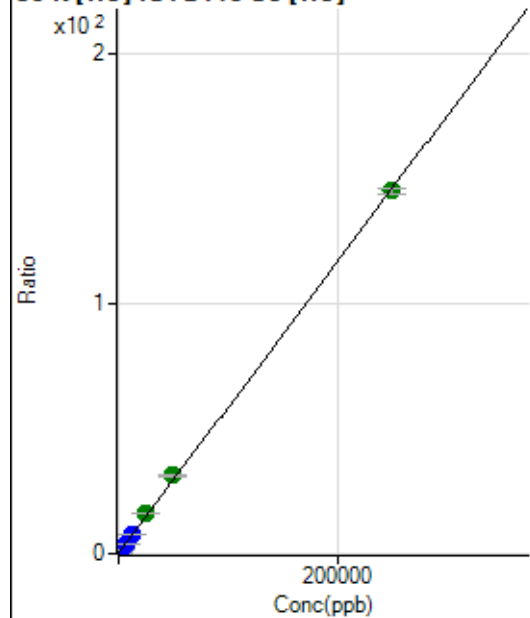
Min Conc: 0

35 Cl [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			144168.69		P	1.9
2	☐			134750.42		P	0.4
3	☐			226551.36		P	3.6
4	☐			243487.39		P	2.9
5	☐			238043.98		P	3.2
6	☐			233134.92		P	4.1
7	☐			236557.09		P	4.4
8	☐			171962.28		P	1.2

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1000.07		P	6.5
2	☐			1000.07		P	3.0
3	☐			1702.93		P	9.5
4	☐			1844.61		P	6.1
5	☐			1825.17		P	3.3
6	☐			1744.60		P	8.7
7	☐			1664.03		P	17.3
8	☐			1244.53		P	10.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	18974.06	0.1307	P	2.4
2	☐	500.000	467.315	58812.11	0.4025	P	4.0
3	☐	2500.000	2576.482	235284.58	1.6296	P	4.0
4	☐	6250.000	6786.467	581769.98	4.0787	P	2.0
5	☐	12500.000	13254.628	1102962.81	7.8416	P	1.0
6	☐	25000.000	27160.477	2240105.39	15.9314	A	1.6
7	☐	50000.000	53862.839	4430472.97	31.4657	A	2.5
8	☐	250000.00	248959.54	19959944.55	144.9643	A	1.8

$$y = 5.8176E-004 * x + 0.1307$$

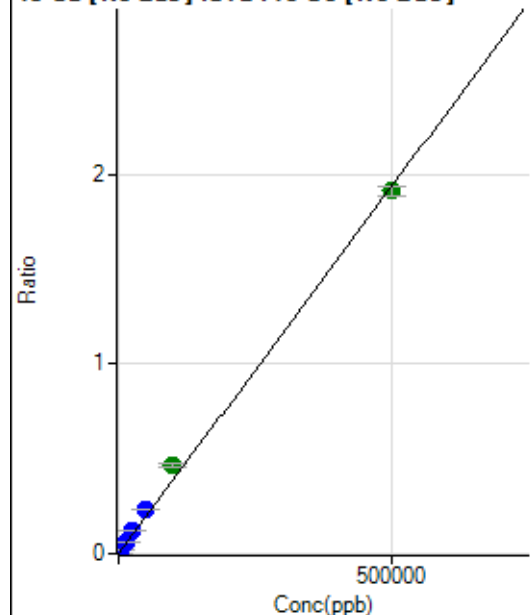
$$R = 0.9999$$

$$DL = 16.48$$

$$BEC = 224.6$$

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	104.99	0.0000	P	5.3
2	☐	500.000	493.871	8090.03	0.0019	P	1.7
3	☐	5000.000	6137.793	95182.31	0.0238	P	2.2
4	☐	12500.000	15129.888	235708.51	0.0586	P	3.6
5	☐	25000.000	30608.792	472038.19	0.1186	P	2.2
6	☐	50000.000	60950.689	931246.00	0.2361	P	1.3
7	☐	100000.00	121473.37	1910025.22	0.4704	A	3.9
8	☐	500000.00	494252.69	7404386.65	1.9140	A	2.4

$$y = 3.8725\text{E-}006 * x + 2.6036\text{E-}005$$

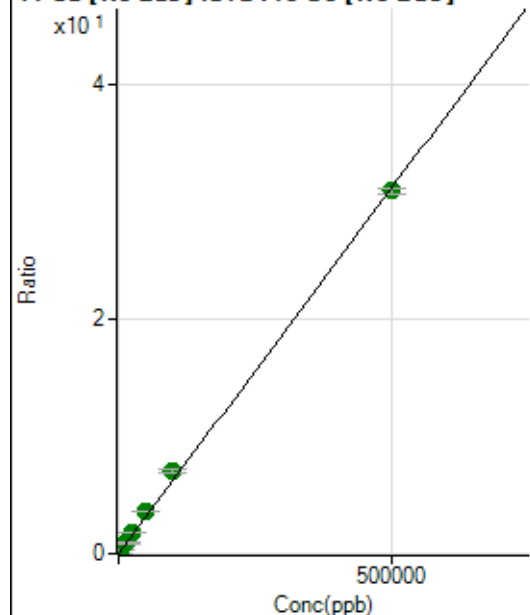
$$R = 0.9989$$

$$DL = 1.071$$

$$BEC = 6.723$$

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	17168.53	0.0043	P	2.2
2	☐	500.000	486.462	144210.48	0.0346	P	1.5
3	☐	5000.000	5823.005	1467645.60	0.3669	A	4.0
4	☐	12500.000	14411.140	3626282.50	0.9018	A	3.7
5	☐	25000.000	28432.521	7066884.83	1.7750	A	2.3
6	☐	50000.000	57178.602	14067888.31	3.5652	A	0.3
7	☐	100000.00	113085.10	28613933.93	7.0470	A	3.1
8	☐	500000.00	496437.49	119637936.2	30.9215	A	1.7

$$y = 6.2278\text{E-}005 * x + 0.0043$$

$$R = 0.9996$$

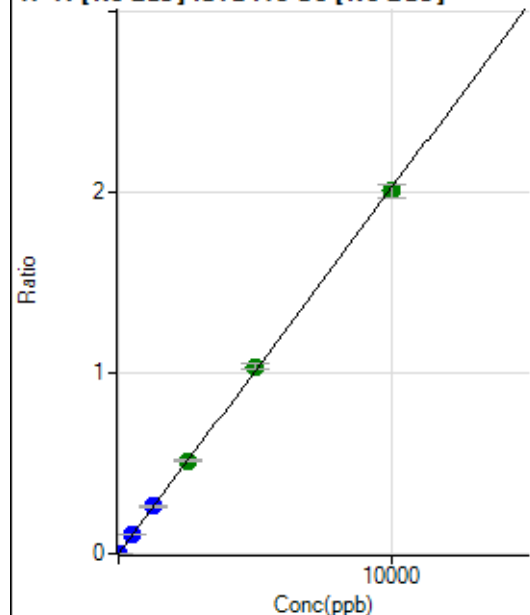
$$DL = 4.495$$

$$BEC = 68.39$$

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	111.12	0.0000	P	33.2
2	☐	5.000	4.516	3933.98	0.0009	P	6.3
3	☐	500.000	520.116	421425.87	0.1054	P	2.9
4	☐	1250.000	1298.866	1057876.48	0.2630	P	3.0
5	☐	2500.000	2547.713	2053841.23	0.5159	A	3.3
6	☐	5000.000	5120.537	4089873.57	1.0369	A	2.6
7	☐	10000.000	9920.690	8156965.98	2.0090	A	3.4
8	☐			1433.45	0.0004	P	9.3

$$y = 2.0250\text{E-}004 * x + 2.7536\text{E-}005$$

$$R = 0.9999$$

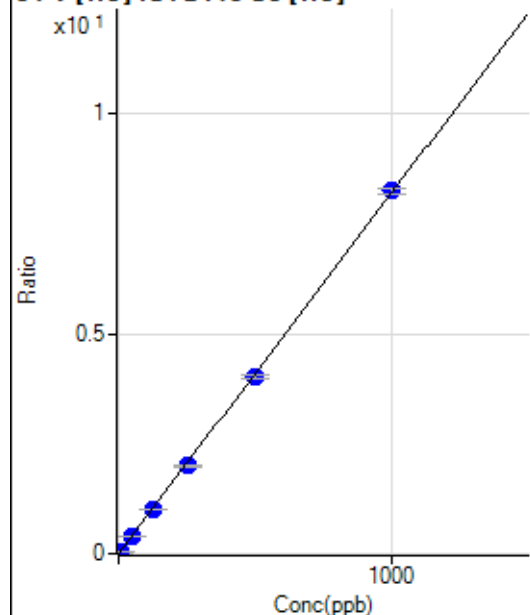
$$DL = 0.1354$$

$$BEC = 0.136$$

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	6.67	0.0000	P	49.6
2	☐	5.000	4.350	5215.45	0.0357	P	3.1
3	☐	50.000	47.517	56220.15	0.3894	P	3.6
4	☐	125.000	122.666	143377.18	1.0051	P	2.4
5	☐	250.000	242.861	279838.64	1.9899	P	2.4
6	☐	500.000	491.313	566127.33	4.0257	P	1.8
7	☐	1000.000	1006.548	1161156.49	8.2473	P	1.4
8	☐			374.45	0.0027	P	2.6

$$y = 0.0082 * x + 4.5860\text{E-}005$$

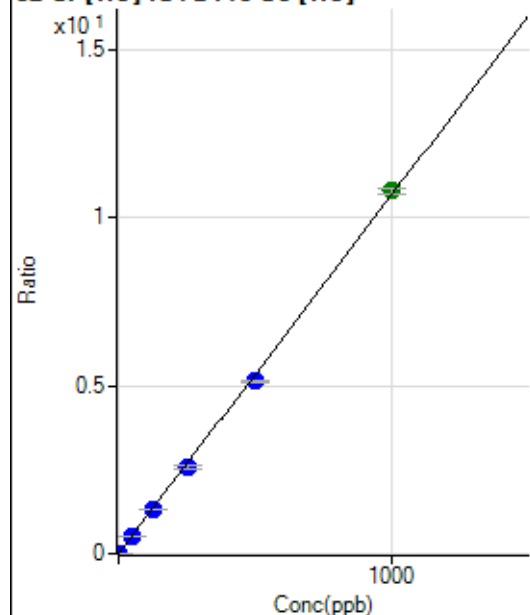
$$R = 0.9999$$

$$DL = 0.008324$$

$$BEC = 0.005597$$

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	561.13	0.0039	P	11.7
2	☐	2.000	1.709	3227.06	0.0221	P	5.8
3	☐	50.000	47.945	74372.40	0.5151	P	3.4
4	☐	125.000	122.152	186349.72	1.3063	P	2.0
5	☐	250.000	241.163	362030.53	2.5752	P	3.3
6	☐	500.000	481.498	722470.84	5.1378	P	1.5
7	☐	1000.000	1011.920	1519271.78	10.7934	A	1.8
8	☐			13592.10	0.0987	P	3.8

$$y = 0.0107 * x + 0.0039$$

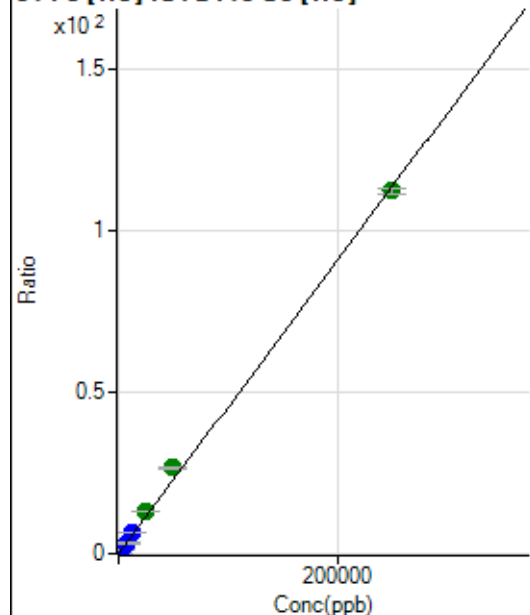
$$R = 0.9997$$

$$DL = 0.1267$$

$$BEC = 0.3622$$

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	583.36	0.0040	P	8.6
2	☐	50.000	50.653	3937.65	0.0269	P	3.3
3	☐	2500.000	2767.095	181436.28	1.2566	P	3.8
4	☐	6250.000	7152.285	462397.51	3.2416	P	2.4
5	☐	12500.000	14063.360	895428.00	6.3700	P	2.9
6	☐	25000.000	29075.306	1851145.18	13.1654	A	2.8
7	☐	50000.000	58458.217	3727165.62	26.4660	A	1.3
8	☐	250000.00	247797.43	15444971.18	112.1730	A	1.5

$$y = 4.5266E-004 * x + 0.0040$$

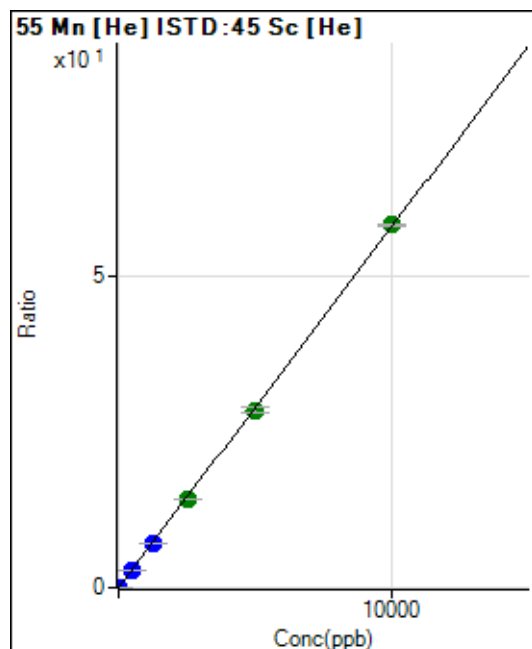
$$R = 0.9993$$

$$DL = 2.286$$

$$BEC = 8.875$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	34.44	0.0002	P	43.5
2	☐	1.000	0.861	764.47	0.0052	P	2.9
3	☐	500.000	483.862	405148.06	2.8060	P	3.0
4	☐	1250.000	1230.616	1018001.71	7.1361	P	2.2
5	☐	2500.000	2450.323	1998327.45	14.2088	A	0.8
6	☐	5000.000	4927.055	4017266.29	28.5705	A	2.7
7	☐	10000.000	10052.122	8208108.42	58.2889	A	0.8
8	☐			7793.31	0.0566	P	1.5

$$y = 0.0058 * x + 2.3693E-004$$

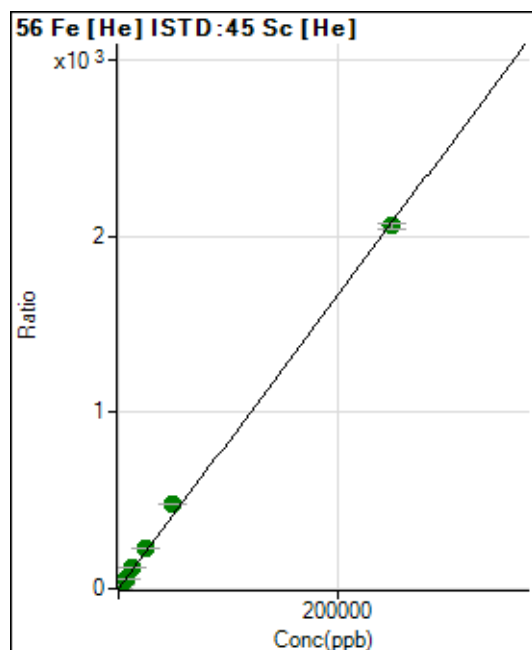
$$R = 0.9999$$

$$DL = 0.05326$$

$$BEC = 0.04086$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2487.30	0.0171	P	2.0
2	☐	50.000	49.098	62042.04	0.4246	P	2.8
3	☐	2500.000	2799.061	3356669.32	23.2464	A	2.0
4	☐	6250.000	7135.142	8449260.14	59.2312	A	0.1
5	☐	12500.000	14113.681	16471504.30	117.1457	A	2.9
6	☐	25000.000	27986.204	32661319.25	232.2728	A	1.8
7	☐	50000.000	57647.586	67380594.56	478.4307	A	1.5
8	☐	250000.00	248066.05	283459980.4	2,058.701	A	1.8

$$y = 0.0083 * x + 0.0171$$

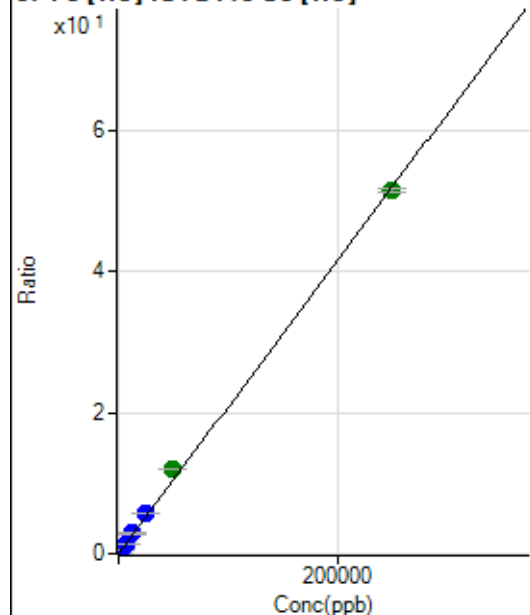
$$R = 0.9995$$

$$DL = 0.1245$$

$$BEC = 2.064$$

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	151.86	0.0010	P	13.4
2	☐	50.000	50.702	1685.32	0.0115	P	14.5
3	☐	2500.000	2682.492	80329.07	0.5563	P	2.8
4	☐	6250.000	7004.505	206983.21	1.4510	P	1.8
5	☐	12500.000	13858.609	403581.80	2.8699	P	1.4
6	☐	25000.000	27679.550	805872.89	5.7309	P	1.9
7	☐	50000.000	57849.082	1686030.27	11.9762	A	0.7
8	☐	250000.00	248073.61	7070889.69	51.3540	A	0.9

$$y = 2.0701\text{E-}004 * x + 0.0010$$

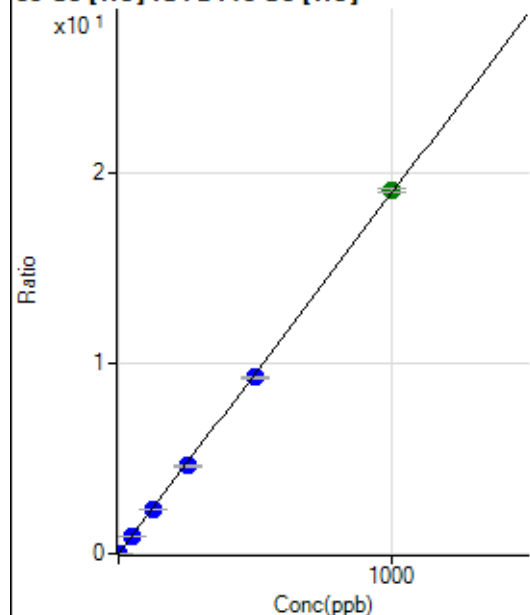
R = 0.9994

DL = 2.027

BEC = 5.054

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	43.33	0.0003	P	19.9
2	☐	1.000	0.912	2569.15	0.0176	P	5.5
3	☐	50.000	47.797	130810.41	0.9059	P	2.4
4	☐	125.000	123.256	333203.82	2.3357	P	1.4
5	☐	250.000	244.199	650711.07	4.6273	P	2.4
6	☐	500.000	489.907	1305306.20	9.2829	P	1.4
7	☐	1000.000	1006.825	2686045.60	19.0773	A	0.9
8	☐			2154.63	0.0156	P	5.0

$$y = 0.0189 * x + 2.9817\text{E-}004$$

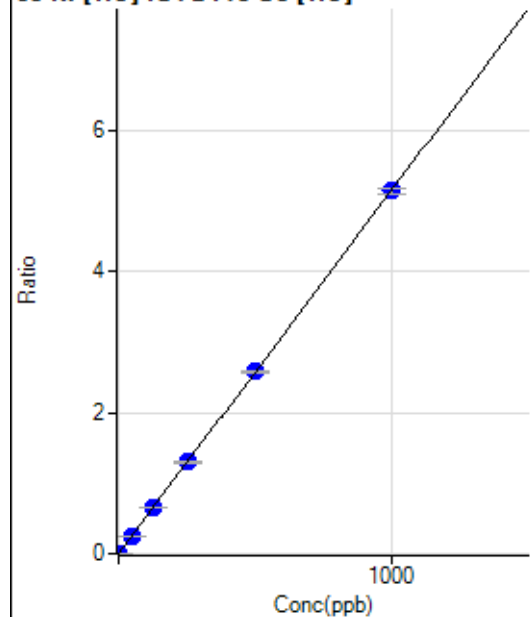
R = 0.9999

DL = 0.009381

BEC = 0.01574

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	24.44	0.0002	P	41.4
2	☐	1.000	1.007	781.14	0.0053	P	2.9
3	☐	50.000	49.877	37053.85	0.2566	P	1.5
4	☐	125.000	127.859	93790.35	0.6575	P	2.1
5	☐	250.000	252.579	182593.84	1.2988	P	2.9
6	☐	500.000	500.575	361924.48	2.5738	P	0.8
7	☐	1000.000	998.716	722815.02	5.1349	P	1.2
8	☐			2401.34	0.0174	P	2.8

$$y = 0.0051 * x + 1.6824E-004$$

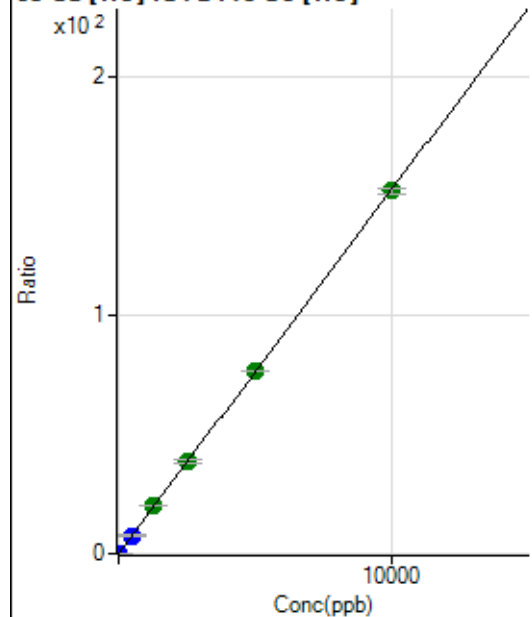
$$R = 1.0000$$

$$DL = 0.04063$$

$$BEC = 0.03272$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	623.35	0.0043	P	10.7
2	☐	2.000	1.733	4487.42	0.0307	P	5.6
3	☐	500.000	496.629	1093750.19	7.5753	P	3.7
4	☐	1250.000	1311.210	2851945.30	19.9933	A	1.9
5	☐	2500.000	2547.348	5460435.54	38.8380	A	2.9
6	☐	5000.000	5020.253	10762452.20	76.5367	A	0.8
7	☐	10000.000	9970.554	21395004.68	152.0028	A	1.7
8	☐			10590.71	0.0769	P	1.9

$$y = 0.0152 * x + 0.0043$$

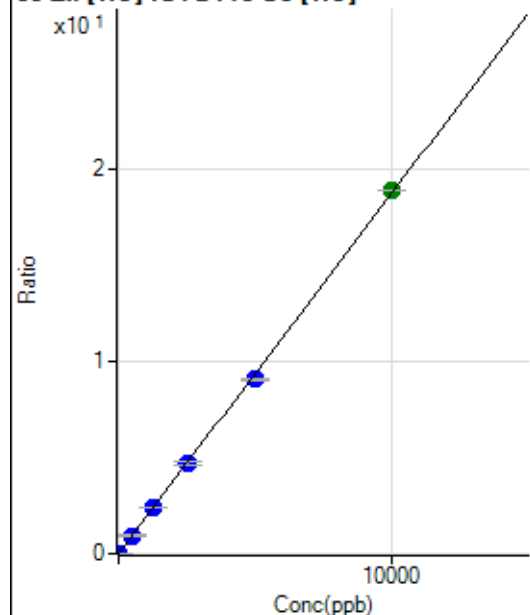
$$R = 1.0000$$

$$DL = 0.09063$$

$$BEC = 0.2817$$

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	85.56	0.0006	P	17.9
2	☐	2.000	2.255	703.36	0.0048	P	12.3
3	☐	500.000	500.480	135515.90	0.9386	P	3.4
4	☐	1250.000	1280.509	342429.99	2.4005	P	2.0
5	☐	2500.000	2503.541	659692.41	4.6927	P	2.8
6	☐	5000.000	4844.171	1276783.46	9.0795	P	0.6
7	☐	10000.000	10073.191	2658158.92	18.8797	A	0.2
8	☐			4484.09	0.0326	P	3.0

$$y = 0.0019 * x + 5.8913E-004$$

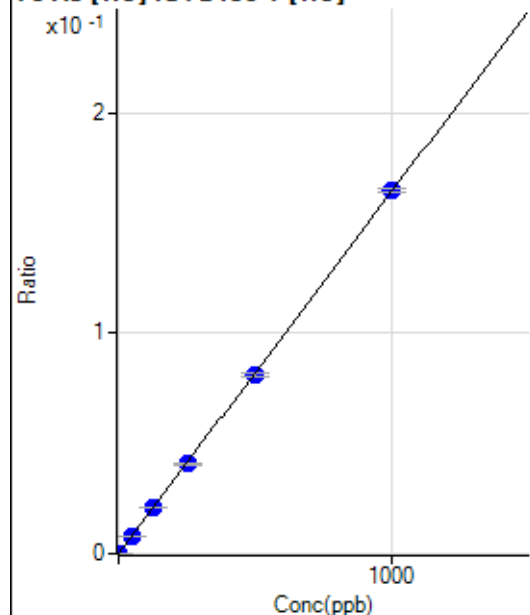
$$R = 0.9998$$

$$DL = 0.1692$$

$$BEC = 0.3143$$

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	3.00	0.0000	P	66.5
2	☐	1.000	1.011	162.02	0.0002	P	7.2
3	☐	50.000	48.596	7613.16	0.0080	P	4.2
4	☐	125.000	126.511	19412.91	0.0208	P	0.8
5	☐	250.000	247.712	37720.87	0.0407	P	1.6
6	☐	500.000	494.877	74999.69	0.0812	P	2.2
7	☐	1000.000	1003.015	151180.22	0.1646	P	0.9
8	☐			38.33	0.0000	P	11.1

$$y = 1.6411E-004 * x + 3.1710E-006$$

$$R = 1.0000$$

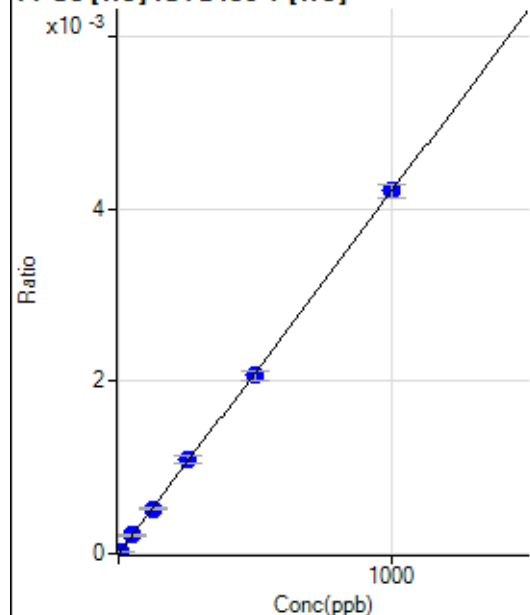
$$DL = 0.03853$$

$$BEC = 0.01932$$

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	3.875	15.56	0.0000	P	50.2
3	☐	50.000	52.090	208.89	0.0002	P	12.1
4	☐	125.000	124.083	487.79	0.0005	P	7.0
5	☐	250.000	261.673	1022.27	0.0011	P	8.3
6	☐	500.000	491.615	1909.04	0.0021	P	4.6
7	☐	1000.000	1001.290	3866.12	0.0042	P	4.0
8	☐			3.33	0.0000	P	99.8

$$y = 4.2056\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

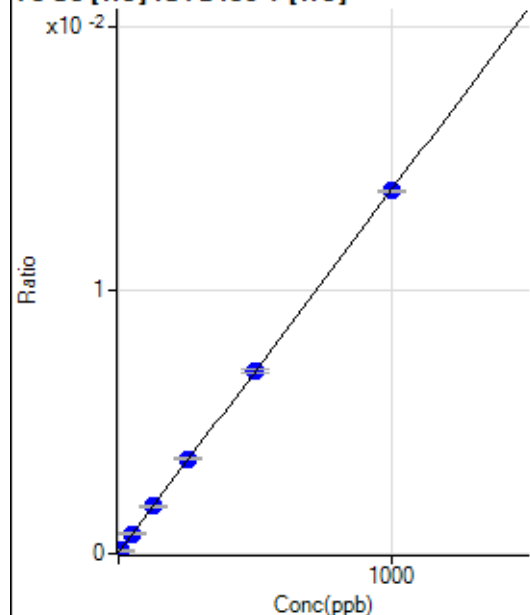
$$DL = 0$$

$$BEC = 0$$

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	48.34	0.0001	P	12.2
2	☐	5.000	4.474	108.01	0.0001	P	7.2
3	☐	50.000	51.062	718.09	0.0008	P	6.1
4	☐	125.000	127.707	1688.61	0.0018	P	5.8
5	☐	250.000	258.157	3338.74	0.0036	P	1.6
6	☐	500.000	499.873	6388.76	0.0069	P	1.6
7	☐	1000.000	997.635	12633.93	0.0138	P	0.3
8	☐			52.68	0.0001	P	10.2

$$y = 1.3738\text{E-}005 * x + 5.1281\text{E-}005$$

$$R = 1.0000$$

$$DL = 1.361$$

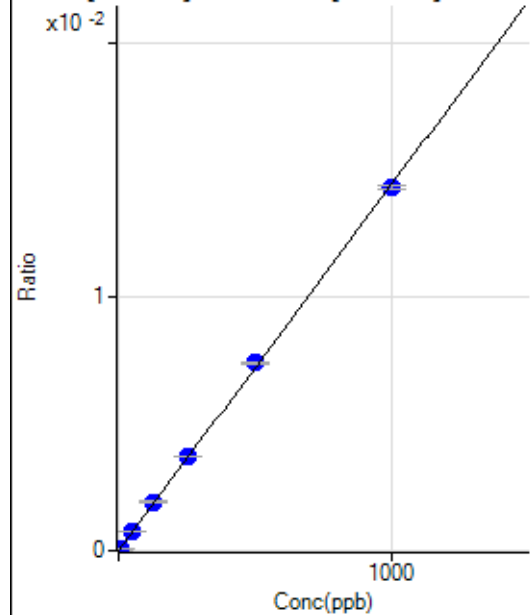
$$BEC = 3.733$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			17148.24		P	3.7
2	☐			17308.58		P	1.8
3	☐			17118.11		P	2.8
4	☐			17058.17		P	1.5
5	☐			16954.61		P	2.0
6	☐			17292.01		P	4.9
7	☐			17305.27		P	0.8
8	☐			16620.34		P	1.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	-18.75	0.0000	P	-255.
2	☐	5.000	5.259	557.46	0.0001	P	6.3
3	☐	50.000	52.710	5655.13	0.0008	P	1.9
4	☐	125.000	133.033	14185.24	0.0019	P	4.9
5	☐	250.000	257.721	27981.42	0.0037	P	0.6
6	☐	500.000	512.369	53840.10	0.0074	P	1.8
7	☐	1000.000	990.744	107138.68	0.0143	P	1.1
8	☐			107.49	0.0000	P	38.2

$$y = 1.4448E-005 * x - 2.3869E-006$$

$$R = 0.9998$$

$$DL = 1.268$$

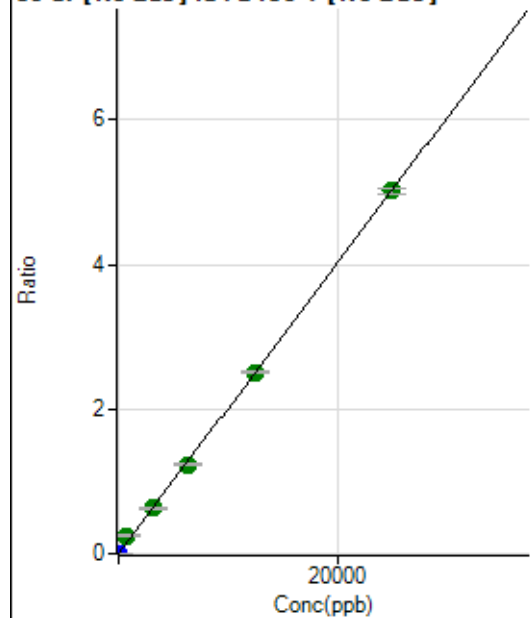
$$BEC = -0.1652$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			270.39		P	5.8
2	☐			252.47		P	6.3
3	☐			251.64		P	6.2
4	☐			266.22		P	5.4
5	☐			245.80		P	3.1
6	☐			268.72		P	1.9
7	☐			276.22		P	5.7
8	☐			247.47		P	6.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	358.35	0.0000	P	24.8
2	☐	1.000	1.038	1947.41	0.0003	P	13.5
3	☐	625.000	1237.212	1847720.85	0.2483	A	6.1
4	☐	3125.000	3122.719	4631593.90	0.6267	A	4.8
5	☐	6250.000	6151.145	9282384.41	1.2344	A	0.9
6	☐	12500.000	12505.932	18263380.79	2.5097	A	0.3
7	☐	25000.000	25006.728	37566631.74	5.0183	A	1.4
8	☐			9150.47	0.0013	P	3.7

$$y = 2.0068E-004 * x + 4.8170E-005$$

$$R = 0.9997$$

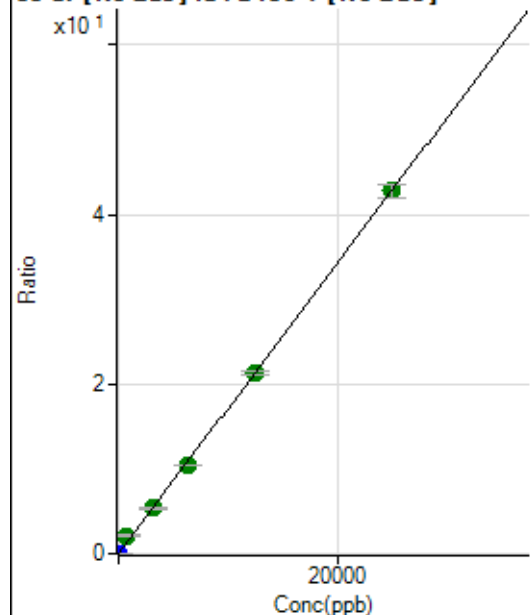
$$DL = 0.1788$$

$$BEC = 0.24$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	238.90	0.0000	P	35.4
2	☐	1.000	0.915	12097.19	0.0016	P	10.2
3	☐	625.000	1239.528	15785861.81	2.1206	A	4.6
4	☐	3125.000	3135.140	39625752.97	5.3635	A	5.6
5	☐	6250.000	6128.625	78843894.82	10.4846	A	1.0
6	☐	12500.000	12497.821	155587102.0	21.3808	A	1.7
7	☐	25000.000	25014.803	320297668.2	42.7944	A	3.4
8	☐			71177.15	0.0102	P	4.3

$$y = 0.0017 * x + 3.2050E-005$$

$$R = 0.9997$$

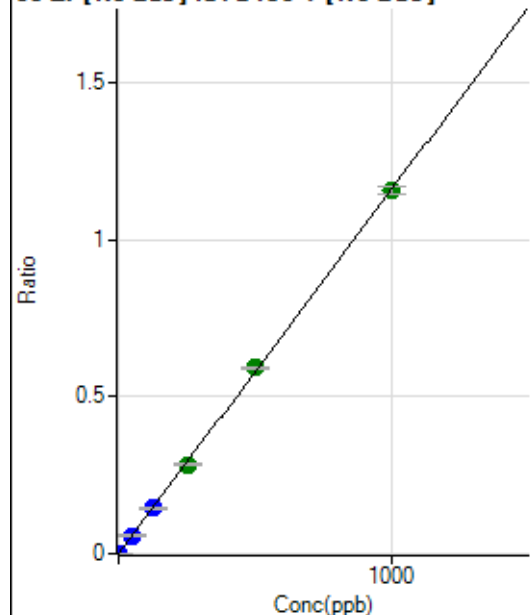
$$DL = 0.01991$$

$$BEC = 0.01873$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	488.91	0.0001	P	8.8
2	☐	1.000	0.872	8163.73	0.0011	P	6.5
3	☐	50.000	49.339	427309.70	0.0574	P	3.2
4	☐	125.000	126.235	1084336.38	0.1467	P	3.9
5	☐	250.000	244.989	2140474.61	0.2846	A	1.1
6	☐	500.000	509.626	4306905.17	0.5920	A	2.0
7	☐	1000.000	996.318	8665451.15	1.1573	A	2.1
8	☐			2100.22	0.0003	P	1.6

$$y = 0.0012 * x + 6.5364E-005$$

$$R = 0.9999$$

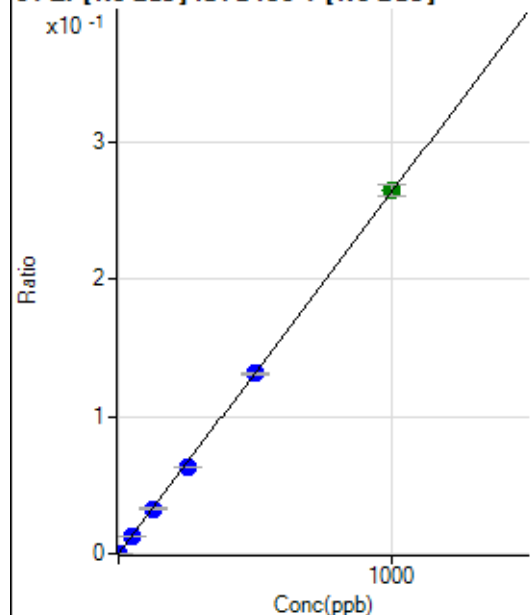
$$DL = 0.01481$$

$$BEC = 0.05628$$

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	75.00	0.0000	P	31.4
2	☐	1.000	0.834	1741.82	0.0002	P	0.9
3	☐	50.000	48.870	95906.46	0.0129	P	3.1
4	☐	125.000	124.309	241935.52	0.0327	P	4.9
5	☐	250.000	239.366	473958.46	0.0630	P	1.6
6	☐	500.000	498.511	955016.95	0.1313	P	1.6
7	☐	1000.000	1003.546	1977886.40	0.2642	A	3.0
8	☐			402.80	0.0001	P	7.9

$$y = 2.6329\text{E-}004 * x + 1.0091\text{E-}005$$

$$R = 0.9999$$

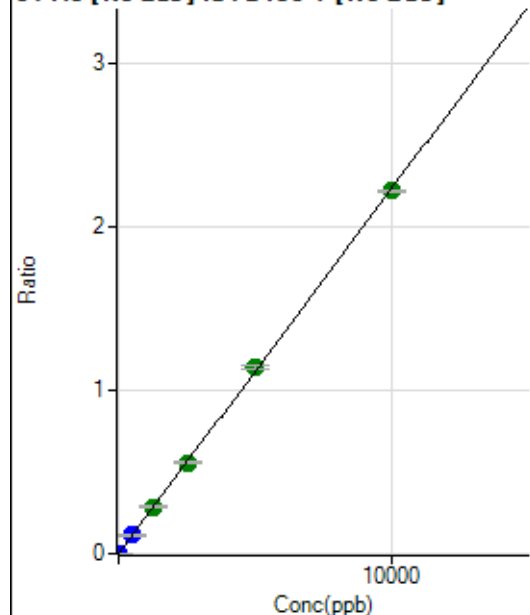
$$DL = 0.03609$$

$$BEC = 0.03833$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	130.56	0.0000	P	33.5
2	☐	5.000	5.469	9406.19	0.0012	P	0.2
3	☐	500.000	505.848	842618.31	0.1131	P	2.5
4	☐	1250.000	1283.214	2119553.43	0.2870	A	6.5
5	☐	2500.000	2488.500	4183982.65	0.5565	A	2.1
6	☐	5000.000	5108.821	8312214.42	1.1424	A	1.2
7	☐	10000.000	9944.020	16647145.69	2.2236	A	0.6
8	☐			4039.60	0.0006	P	1.3

$$y = 2.2361\text{E-}004 * x + 1.7576\text{E-}005$$

$$R = 0.9999$$

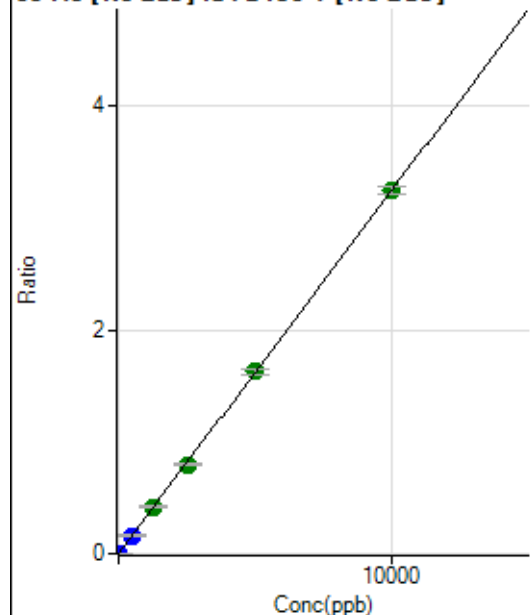
$$DL = 0.07902$$

$$BEC = 0.0786$$

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	47.23	0.0000	P	21.3
2	☐	5.000	4.606	11374.43	0.0015	P	4.5
3	☐	500.000	501.326	1211199.23	0.1626	P	1.6
4	☐	1250.000	1279.279	3065504.30	0.4148	A	5.0
5	☐	2500.000	2442.720	5955408.38	0.7921	A	2.6
6	☐	5000.000	5025.591	11854413.54	1.6297	A	3.5
7	☐	10000.000	9997.798	24268101.41	3.2421	A	2.0
8	☐			5276.17	0.0008	P	5.3

$$y = 3.2428\text{E-}004 * x + 6.3273\text{E-}006$$

$$R = 1.0000$$

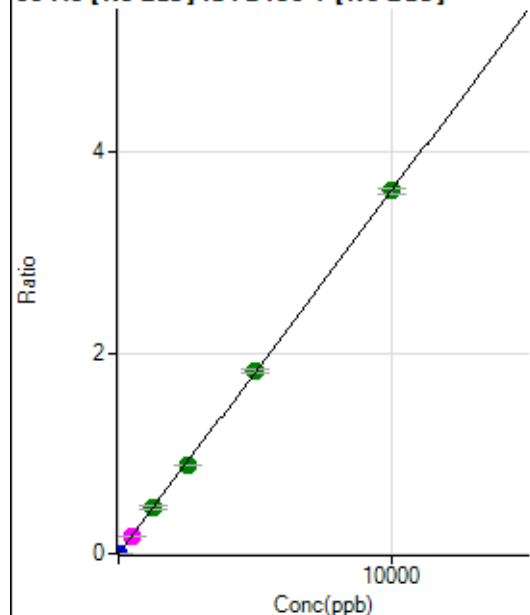
$$DL = 0.01247$$

$$BEC = 0.01951$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	125.00	0.0000	P	30.8
2	☐	5.000	4.696	13006.45	0.0017	P	3.2
3	☐	500.000	492.277	1326273.10	0.1781	M	3.2
4	☐	1250.000	1267.086	3386310.97	0.4584	A	6.9
5	☐	2500.000	2424.636	6595996.11	0.8772	A	0.6
6	☐	5000.000	5038.284	13261631.89	1.8227	A	2.2
7	☐	10000.000	9997.949	27075508.24	3.6169	A	1.4
8	☐			9503.52	0.0014	P	5.0

$$y = 3.6176\text{E-}004 * x + 1.6723\text{E-}005$$

$$R = 1.0000$$

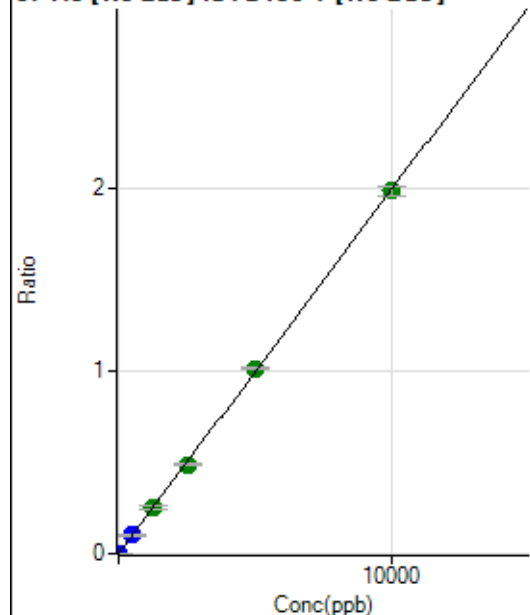
$$DL = 0.04276$$

$$BEC = 0.04623$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	16.66	0.0000	P	83.7
2	☐	5.000	4.506	6832.41	0.0009	P	3.5
3	☐	500.000	503.861	748531.24	0.1006	P	4.6
4	☐	1250.000	1271.702	1875325.11	0.2538	A	5.3
5	☐	2500.000	2449.015	3674855.20	0.4887	A	2.0
6	☐	5000.000	5090.769	7392152.25	1.0159	A	1.8
7	☐	10000.000	9964.456	14885983.66	1.9886	A	2.7
8	☐			3300.48	0.0005	P	3.1

$$y = 1.9956E-004 * x + 2.1939E-006$$

$$R = 0.9999$$

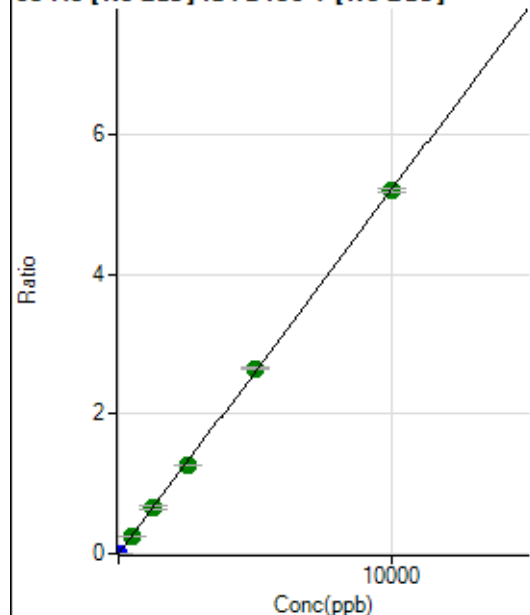
$$DL = 0.02762$$

$$BEC = 0.01099$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	69.45	0.0000	P	8.1
2	☐	5.000	4.634	18362.63	0.0024	P	3.5
3	☐	500.000	489.863	1899398.48	0.2552	A	4.6
4	☐	1250.000	1260.574	4850114.69	0.6566	A	6.0
5	☐	2500.000	2428.003	9510032.68	1.2647	A	0.7
6	☐	5000.000	5092.620	19300638.80	2.6526	A	1.1
7	☐	10000.000	9970.875	38882213.72	5.1936	A	1.0
8	☐			8197.09	0.0012	P	2.3

$$y = 5.2087E-004 * x + 9.2983E-006$$

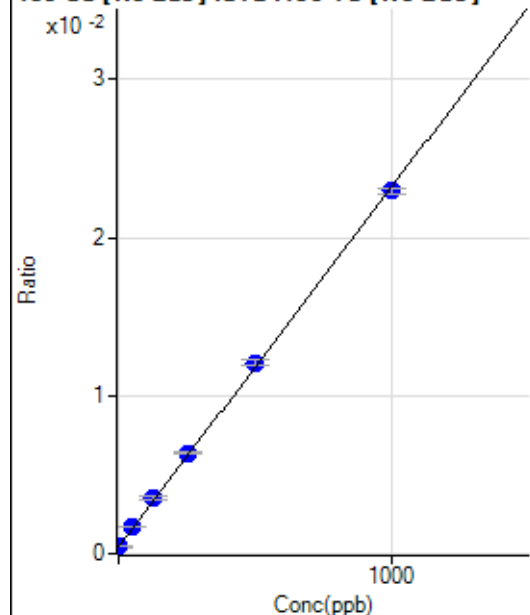
$$R = 0.9999$$

$$DL = 0.004361$$

$$BEC = 0.01785$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2489.18	0.0004	P	5.7
2	☐	1.000	3.905	3011.53	0.0005	P	3.6
3	☐	50.000	55.042	9617.51	0.0017	P	2.6
4	☐	125.000	135.975	19909.31	0.0035	P	6.0
5	☐	250.000	261.237	36513.34	0.0064	P	1.9
6	☐	500.000	512.415	68931.72	0.0121	P	2.7
7	☐	1000.000	989.356	134672.86	0.0230	P	1.5
8	☐			2516.96	0.0005	P	9.2

$$y = 2.2770\text{E-}005 * x + 4.2730\text{E-}004$$

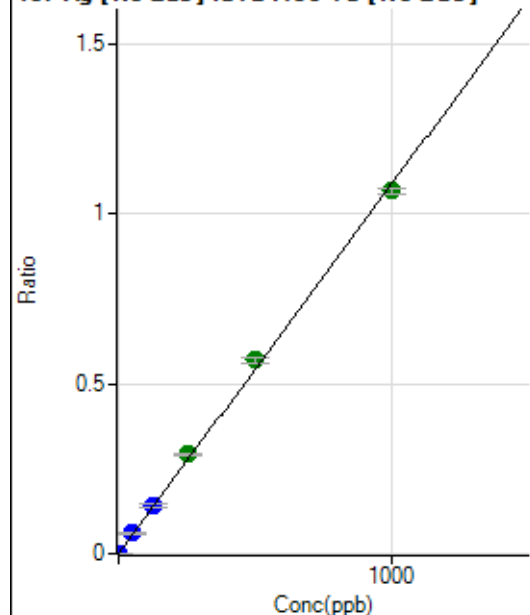
$$R = 0.9998$$

$$DL = 3.182$$

$$BEC = 18.77$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	61.11	0.0000	P	27.9
2	☐	1.000	0.934	5981.98	0.0010	P	3.0
3	☐	50.000	54.860	341231.94	0.0597	P	4.2
4	☐	125.000	131.296	806239.69	0.1428	P	7.5
5	☐	250.000	269.816	1680112.07	0.2934	A	1.3
6	☐	500.000	523.298	3242272.19	0.5689	A	3.0
7	☐	1000.000	982.367	6265045.93	1.0680	A	1.9
8	☐			2128.00	0.0004	P	5.7

$$y = 0.0011 * x + 1.0465\text{E-}005$$

$$R = 0.9994$$

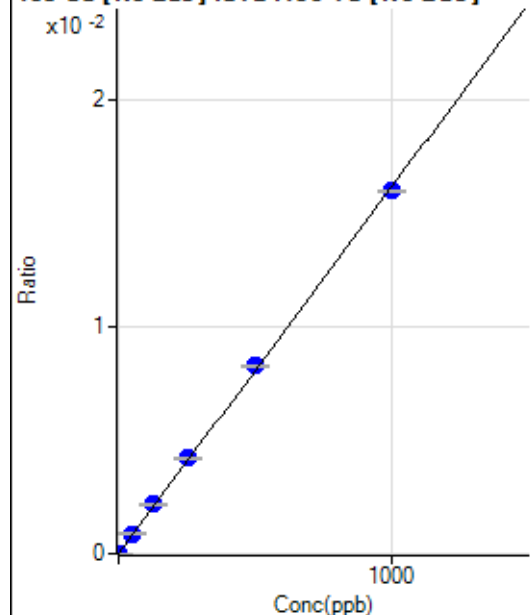
$$DL = 0.008068$$

$$BEC = 0.009625$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	8.33	0.0000	P	101.8
2	☐	1.000	0.722	76.39	0.0000	P	30.1
3	☐	50.000	54.839	5076.00	0.0009	P	6.4
4	☐	125.000	134.513	12290.33	0.0022	P	6.3
5	☐	250.000	259.677	24047.52	0.0042	P	2.1
6	☐	500.000	512.446	47198.78	0.0083	P	0.6
7	☐	1000.000	989.927	93871.94	0.0160	P	0.9
8	☐			54.17	0.0000	P	26.5

$$y = 1.6162\text{E-}005 * x + 1.4326\text{E-}006$$

$$R = 0.9998$$

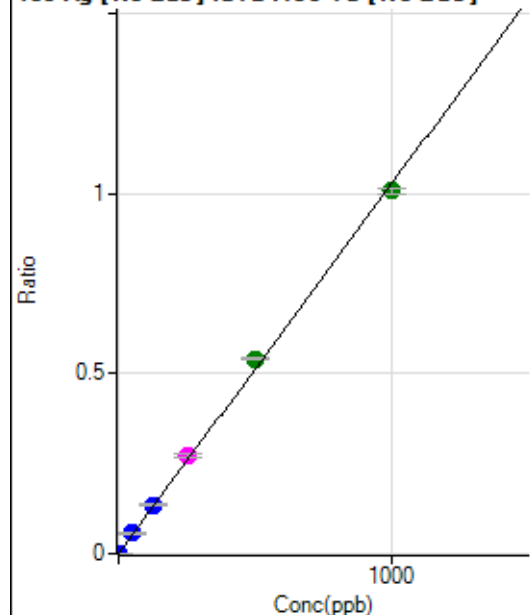
$$DL = 0.2708$$

$$BEC = 0.08864$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	52.78	0.0000	P	44.7
2	☐	1.000	0.921	5573.51	0.0010	P	3.2
3	☐	50.000	55.548	326435.07	0.0571	P	5.6
4	☐	125.000	131.324	762744.11	0.1350	P	5.4
5	☐	250.000	264.098	1554569.26	0.2714	M	3.2
6	☐	500.000	527.896	3090988.31	0.5425	A	0.9
7	☐	1000.000	981.460	5916544.53	1.0086	A	1.7
8	☐			2103.00	0.0004	P	3.4

$$y = 0.0010 * x + 9.0097\text{E-}006$$

$$R = 0.9993$$

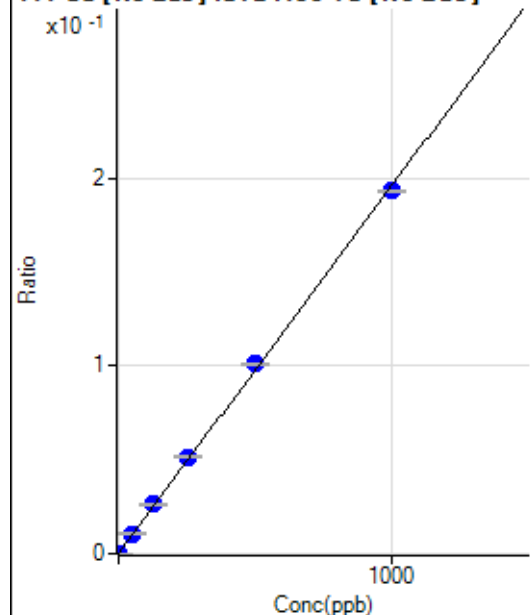
$$DL = 0.01175$$

$$BEC = 0.008768$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	500.33	0.0001	P	4.4
2	☐	1.000	1.191	1861.41	0.0003	P	4.7
3	☐	50.000	53.726	60641.20	0.0106	P	4.0
4	☐	125.000	133.694	148331.10	0.0263	P	6.0
5	☐	250.000	263.428	295680.55	0.0516	P	1.9
6	☐	500.000	516.773	576772.05	0.1012	P	0.9
7	☐	1000.000	986.983	1133794.20	0.1933	P	0.5
8	☐			794.65	0.0001	P	12.4

$$y = 1.9571\text{E-}004 * x + 8.5874\text{E-}005$$

$$R = 0.9997$$

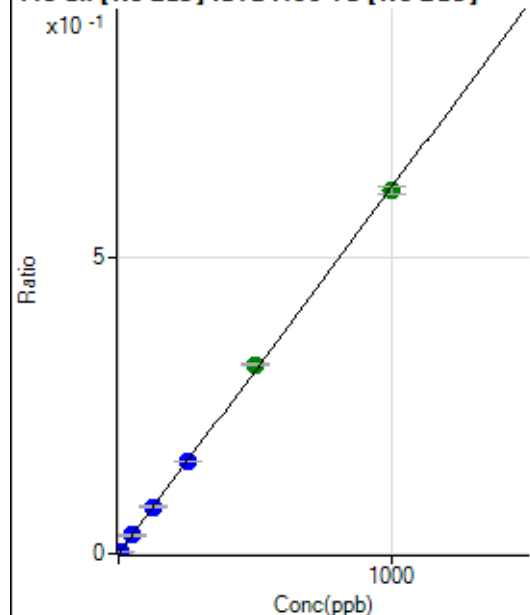
$$DL = 0.05837$$

$$BEC = 0.4388$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	341.68	0.0001	P	3.5
2	☐	5.000	4.570	16838.58	0.0029	P	0.6
3	☐	50.000	50.708	179850.33	0.0314	P	4.7
4	☐	125.000	127.710	446919.15	0.0791	P	6.4
5	☐	250.000	253.399	898588.22	0.1569	P	0.5
6	☐	500.000	515.896	1819792.42	0.3194	A	1.4
7	☐	1000.000	990.830	3597910.06	0.6134	A	2.2
8	☐			4314.70	0.0008	P	0.8

$$y = 6.1899\text{E-}004 * x + 5.8598\text{E-}005$$

$$R = 0.9998$$

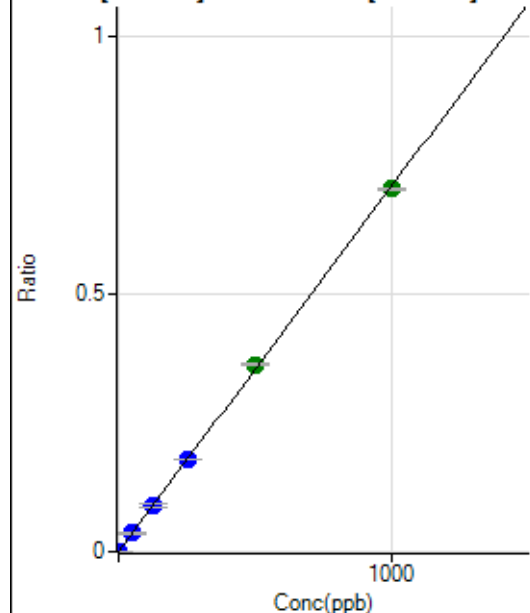
$$DL = 0.01002$$

$$BEC = 0.09467$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	38.89	0.0000	P	21.6
2	☐	2.000	1.870	7760.76	0.0013	P	1.4
3	☐	50.000	50.263	203598.46	0.0356	P	4.5
4	☐	125.000	126.899	507725.34	0.0899	P	6.3
5	☐	250.000	252.202	1022741.80	0.1786	P	0.2
6	☐	500.000	512.393	2067361.98	0.3628	A	1.3
7	☐	1000.000	993.003	4125233.56	0.7031	A	0.6
8	☐			1552.90	0.0003	P	8.0

$$y = 7.0809\text{E-}004 * x + 6.6406\text{E-}006$$

$$R = 0.9999$$

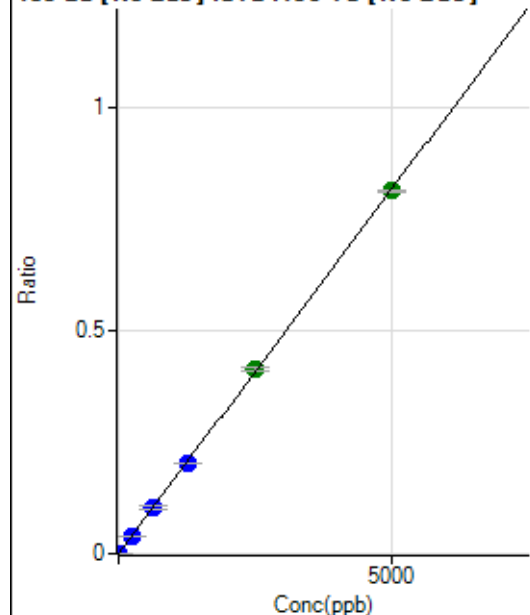
$$DL = 0.006066$$

$$BEC = 0.009378$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	11.11	0.0000	P	116.3
2	☐	10.000	8.680	8269.41	0.0014	P	4.3
3	☐	250.000	245.209	228970.62	0.0400	P	3.4
4	☐	625.000	630.406	581020.67	0.1029	P	7.7
5	☐	1250.000	1244.778	1163155.44	0.2031	P	1.1
6	☐	2500.000	2542.345	2363796.15	0.4149	A	1.7
7	☐	5000.000	4979.700	4767834.09	0.8126	A	0.5
8	☐			2533.65	0.0005	P	11.9

$$y = 1.6318\text{E-}004 * x + 1.9101\text{E-}006$$

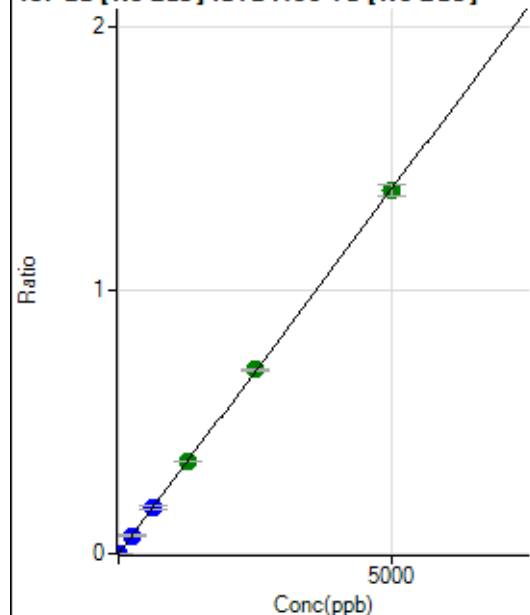
$$R = 0.9999$$

$$DL = 0.04085$$

$$BEC = 0.01171$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	16.67	0.0000	P	50.7
2	☐	10.000	9.016	14547.17	0.0025	P	1.7
3	☐	250.000	249.190	394002.05	0.0689	P	4.3
4	☐	625.000	637.751	996224.03	0.1763	P	5.8
5	☐	1250.000	1267.262	2005793.60	0.3503	A	1.5
6	☐	2500.000	2531.011	3986321.01	0.6996	A	1.1
7	☐	5000.000	4978.628	8073673.01	1.3762	A	3.1
8	☐			4170.21	0.0008	P	5.6

$$y = 2.7642E-004 * x + 2.8570E-006$$

$$R = 1.0000$$

$$DL = 0.01571$$

$$BEC = 0.01034$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.45		P	86.6
2	☐			4.45		P	86.6
3	☐			17.78		P	114.6
4	☐			86.67		P	26.6
5	☐			97.78		P	20.8
6	☐			271.12		P	22.2
7	☐			444.46		P	8.7
8	☐			24.44		P	31.5

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐			0.00		P	
3	☐			1.11		P	173.2
4	☐			10.00		P	66.7
5	☐			22.22		P	8.7
6	☐			22.22		P	43.3
7	☐			62.22		P	43.3
8	☐			6.67		P	50.0

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	114.6
2	☐			5.55		P	86.6
3	☐			16.67		P	86.6
4	☐			47.22		P	36.7
5	☐			77.78		P	22.3
6	☐			141.67		P	20.4
7	☐			247.23		P	10.3
8	☐			769.48		P	9.3

156 Dy [He] No available calibration points

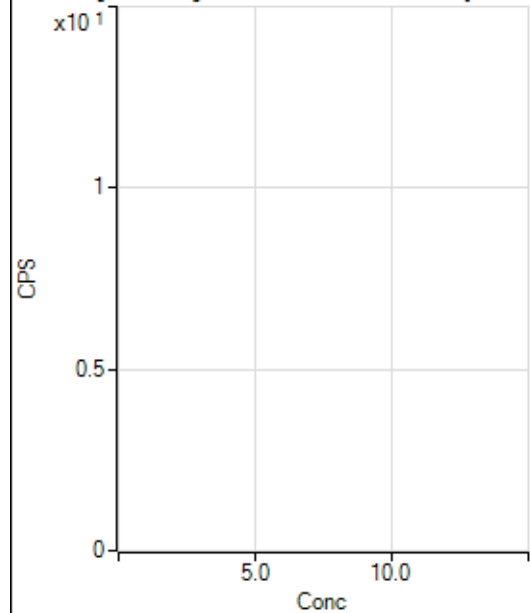
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			2.22		P	173.2
3	☐			15.55		P	24.8
4	☐			26.67		P	37.5
5	☐			38.89		P	17.8
6	☐			81.11		P	9.5
7	☐			164.45		P	6.2
8	☐			396.68		P	12.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			55.56		P	52.7
2	☐			63.89		P	27.2
3	☐			83.34		P	17.3
4	☐			83.33		P	34.6
5	☐			111.12		P	41.3
6	☐			163.90		P	28.9
7	☐			272.23		P	11.6
8	☐			791.71		P	9.6

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			95.56		P	21.0
2	☐			110.00		P	9.1
3	☐			113.34		P	21.2
4	☐			110.00		P	13.9
5	☐			134.45		P	10.0
6	☐			182.23		P	8.2
7	☐			225.56		P	16.3
8	☐			523.35		P	10.7

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			33.34		P	43.3
2	☐			38.89		P	65.5
3	☐			50.00		P	44.1
4	☐			33.33		P	66.1
5	☐			80.56		P	36.3
6	☐			58.34		P	42.9
7	☐			86.11		P	36.6
8	☐			77.78		P	12.4

164 Er [He] No available calibration points

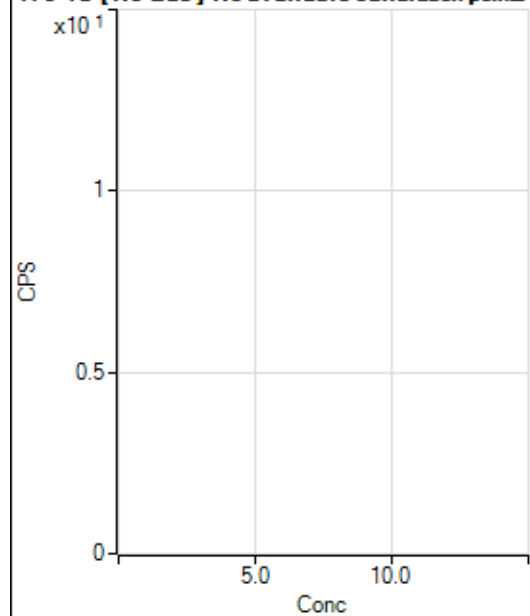
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			21.11		P	36.5
2	☐			28.89		P	58.1
3	☐			27.78		P	25.0
4	☐			31.11		P	43.3
5	☐			24.44		P	7.9
6	☐			35.56		P	23.6
7	☐			58.89		P	14.2
8	☐			37.78		P	13.5

172 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			36.11		P	70.5
2	☐			19.44		P	99.0
3	☐			19.44		P	65.5
4	☐			33.33		P	43.3
5	☐			80.56		P	23.9
6	☐			108.34		P	7.7
7	☐			141.67		P	44.4
8	☐			263.90		P	4.8

172 Yb [He] No available calibration points

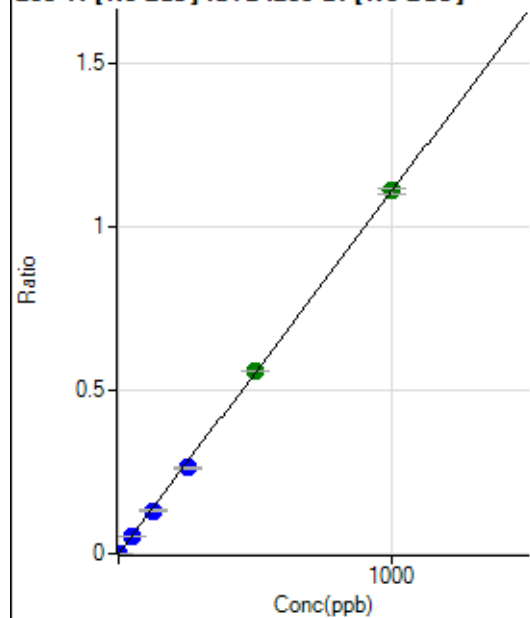
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			14.82		P	21.7
2	☐			14.81		P	43.3
3	☐			12.97		P	49.5
4	☐			22.22		P	43.3
5	☐			35.19		P	32.9
6	☐			62.96		P	13.5
7	☐			114.82		P	7.4
8	☐			170.37		P	24.0

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			938.95		P	2.2
2	☐			1088.96		P	10.4
3	☐			1916.86		P	4.1
4	☐			3114.36		P	7.0
5	☐			5245.65		P	2.3
6	☐			9662.10		P	0.8
7	☐			18179.72		P	3.1
8	☐			1044.52		P	19.2

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6855.61		P	6.8
2	☐			6907.47		P	0.7
3	☐			7270.65		P	4.9
4	☐			7778.37		P	2.6
5	☐			8808.62		P	0.4
6	☐			11267.99		P	0.7
7	☐			16124.88		P	3.6
8	☐			6555.44		P	6.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	75.00	0.0000	P	41.8
2	☐	1.000	0.843	3408.86	0.0010	P	1.7
3	☐	50.000	46.527	182531.53	0.0515	P	2.3
4	☐	125.000	117.999	463002.81	0.1306	P	3.8
5	☐	250.000	237.509	909112.83	0.2628	P	1.8
6	☐	500.000	504.605	1919946.92	0.5584	A	0.4
7	☐	1000.000	1001.869	3812143.06	1.1086	A	1.7
8	☐			688.93	0.0002	P	13.6

$$y = 0.0011 * x + 2.1346E-005$$

$$R = 0.9999$$

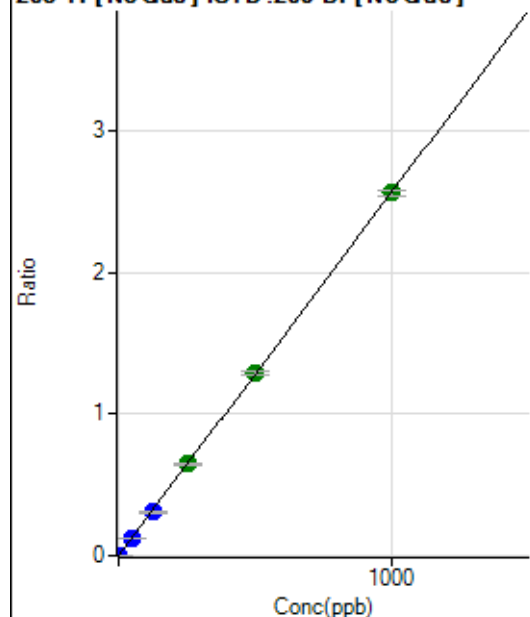
$$DL = 0.02417$$

$$BEC = 0.01929$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	188.90	0.0001	P	8.0
2	☐	1.000	0.864	8113.89	0.0023	P	4.5
3	☐	50.000	47.366	431355.54	0.1217	P	2.7
4	☐	125.000	119.504	1088708.41	0.3070	P	3.3
5	☐	250.000	252.235	2241978.37	0.6480	A	1.3
6	☐	500.000	503.052	4443141.94	1.2923	A	2.0
7	☐	1000.000	998.734	8821839.00	2.5656	A	1.8
8	☐			1633.49	0.0006	P	7.0

$$y = 0.0026 * x + 5.3493E-005$$

$$R = 1.0000$$

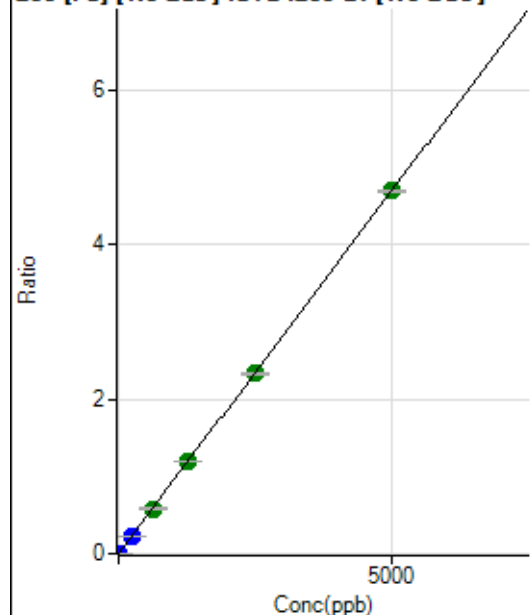
$$DL = 0.004983$$

$$BEC = 0.02082$$

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	472.24	0.0001	P	10.8
2	☐	1.000	0.829	3259.73	0.0009	P	6.0
3	☐	250.000	230.921	769588.72	0.2171	P	1.0
4	☐	625.000	619.627	2062982.86	0.5824	A	6.5
5	☐	1250.000	1271.646	4133483.11	1.1950	A	1.9
6	☐	2500.000	2487.528	8037152.73	2.3375	A	1.2
7	☐	5000.000	5002.450	16165508.92	4.7007	A	0.8
8	☐			3604.28	0.0012	P	2.1

$$y = 9.3965E-004 * x + 1.3394E-004$$

$$R = 1.0000$$

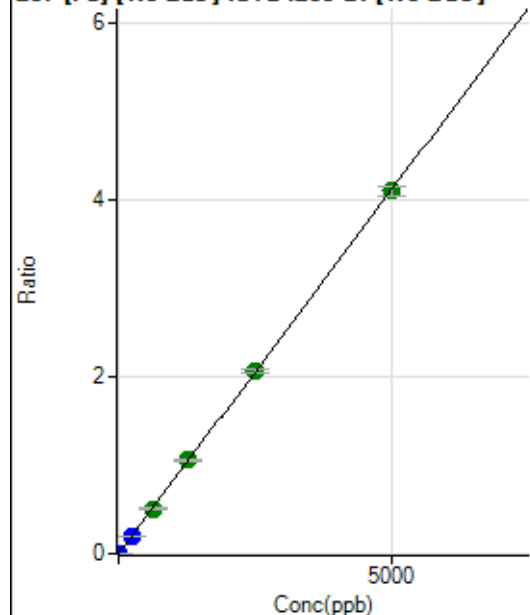
$$DL = 0.0461$$

$$BEC = 0.1425$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	427.79	0.0001	P	10.7
2	☐	1.000	0.857	2952.25	0.0008	P	3.0
3	☐	250.000	235.951	688441.09	0.1943	P	2.7
4	☐	625.000	615.296	1795247.96	0.5064	A	4.0
5	☐	1250.000	1286.178	3660748.46	1.0585	A	3.1
6	☐	2500.000	2509.829	7100730.48	2.0653	A	2.1
7	☐	5000.000	4987.956	14114380.41	4.1045	A	2.8
8	☐			3037.45	0.0010	P	10.3

$$y = 8.2285E-004 * x + 1.2118E-004$$

$$R = 1.0000$$

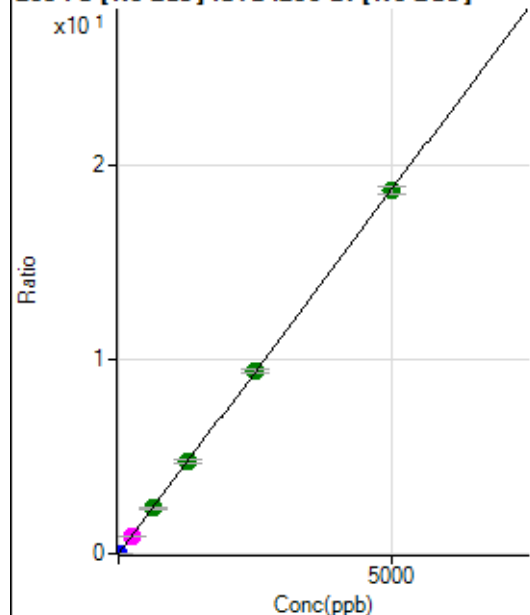
$$DL = 0.04722$$

$$BEC = 0.1473$$

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	1903.80	0.0005	P	2.2
2	☐	1.000	0.847	13254.78	0.0037	P	1.1
3	☐	250.000	239.813	3180390.56	0.8977	M	4.2
4	☐	625.000	622.501	8256271.40	2.3294	A	4.6
5	☐	1250.000	1269.544	16427274.36	4.7500	A	3.0
6	☐	2500.000	2520.002	32414991.24	9.4281	A	2.1
7	☐	5000.000	4985.935	64136850.74	18.6534	A	2.2
8	☐			14345.99	0.0049	P	3.7

$$y = 0.0037 * x + 5.3958E-004$$

$$R = 1.0000$$

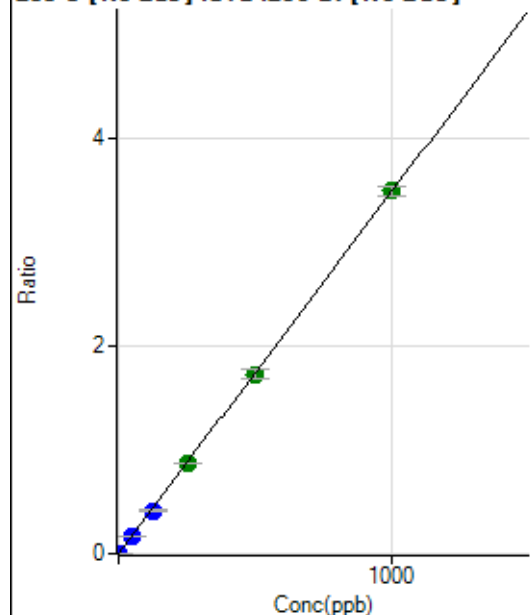
$$DL = 0.009505$$

$$BEC = 0.1442$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	41.67	0.0000	P	18.6
2	☐	1.000	0.863	10782.69	0.0030	P	0.5
3	☐	50.000	47.760	589695.97	0.1664	P	4.0
4	☐	125.000	119.315	1473653.25	0.4158	P	4.6
5	☐	250.000	250.588	3020969.38	0.8732	A	0.4
6	☐	500.000	496.155	5942448.18	1.7289	A	5.2
7	☐	1000.000	1002.598	12012478.74	3.4936	A	2.4
8	☐			477.80	0.0002	P	22.2

$$y = 0.0035 * x + 1.1785E-005$$

$$R = 1.0000$$

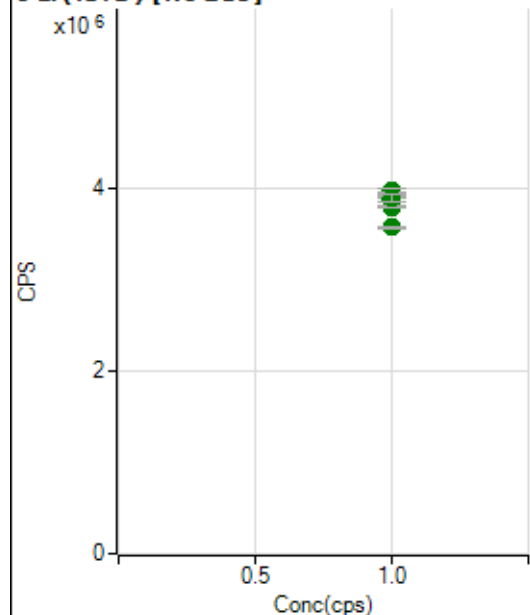
$$DL = 0.001891$$

$$BEC = 0.003382$$

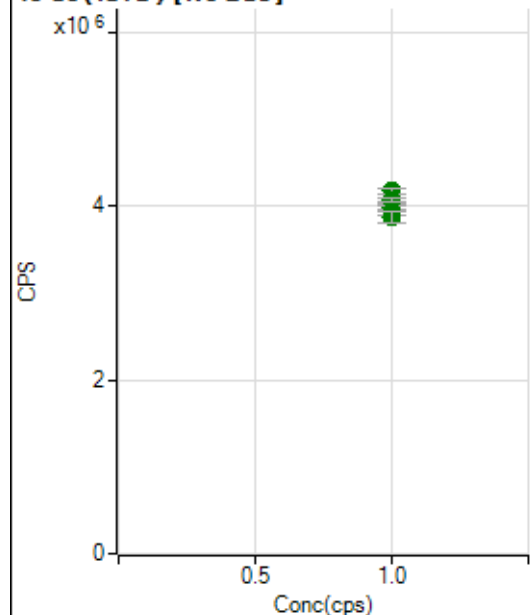
Weight: <None>

Min Conc: 0

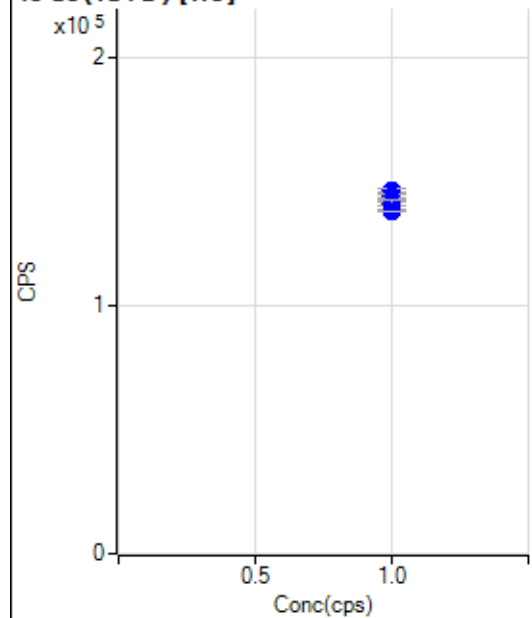
6 Li (ISTD) [No Gas]



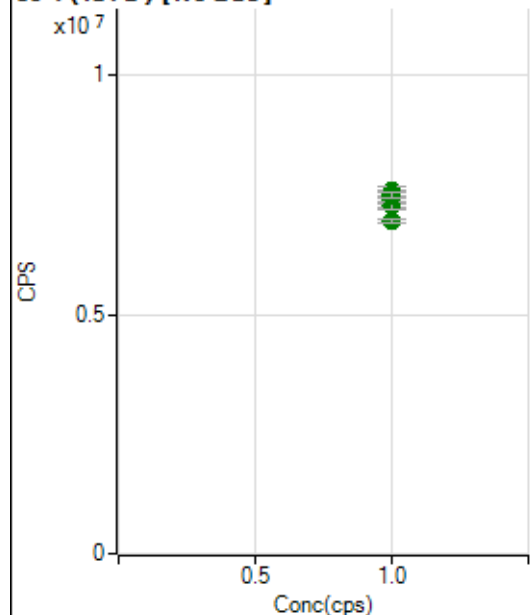
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3909210.31		A	0.6
2	☐	1.000		3969192.27		A	0.9
3	☐	1.000		3900220.08		A	0.8
4	☐	1.000		3868307.64		A	3.8
5	☐	1.000		3883537.12		A	1.4
6	☐	1.000		3793419.84		A	0.9
7	☐	1.000		3898418.69		A	2.0
8	☐	1.000		3568905.79		A	0.9

45 Sc (ISTD) [No Gas]

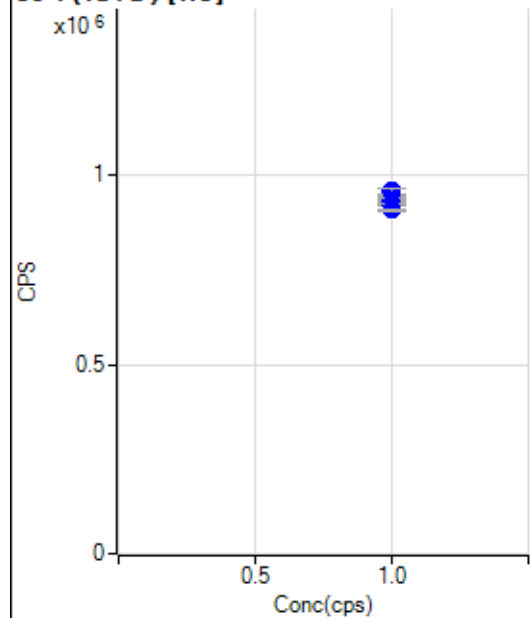
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4031292.93		A	1.2
2	☐	1.000		4173871.53		A	1.4
3	☐	1.000		4001113.59		A	1.6
4	☐	1.000		4024294.25		A	3.3
5	☐	1.000		3982461.47		A	1.9
6	☐	1.000		3945891.71		A	2.5
7	☐	1.000		4061219.59		A	1.0
8	☐	1.000		3870497.27		A	3.2

45 Sc (ISTD) [He]

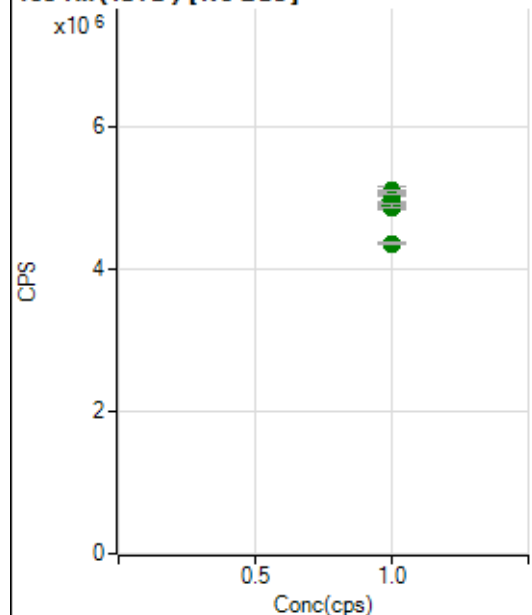
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		145219.91		P	0.7
2	☐	1.000		146138.65		P	0.9
3	☐	1.000		144415.62		P	1.0
4	☐	1.000		142649.08		P	0.9
5	☐	1.000		140647.26		P	3.1
6	☐	1.000		140624.19		P	1.1
7	☐	1.000		140796.10		P	2.8
8	☐	1.000		137689.30		P	0.0

89 Y (ISTD) [No Gas]

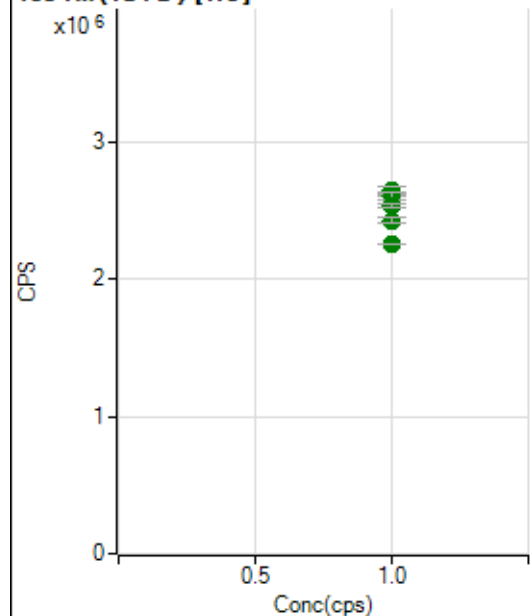
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7475568.99		A	3.0
2	☐	1.000		7583055.79		A	2.5
3	☐	1.000		7453058.50		A	4.1
4	☐	1.000		7401486.21		A	5.0
5	☐	1.000		7520047.25		A	1.4
6	☐	1.000		7277108.36		A	1.8
7	☐	1.000		7486862.67		A	1.5
8	☐	1.000		6943398.44		A	1.4

89 Y (ISTD) [He]

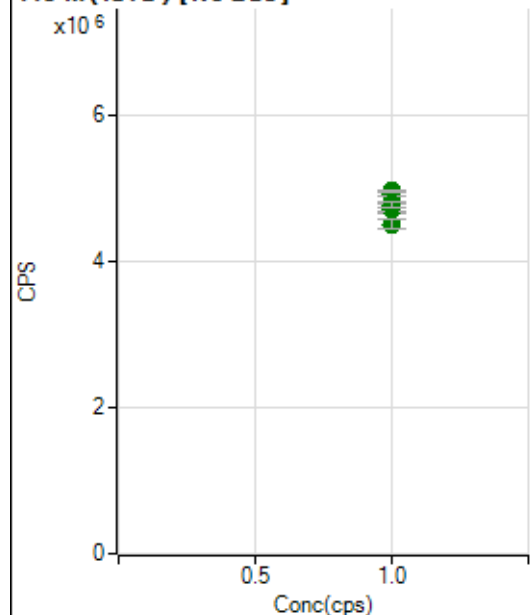
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		942695.99		P	1.3
2	☐	1.000		958614.05		P	1.3
3	☐	1.000		954841.29		P	2.4
4	☐	1.000		934826.69		P	1.0
5	☐	1.000		927832.92		P	2.1
6	☐	1.000		923450.95		P	0.5
7	☐	1.000		918391.78		P	1.7
8	☐	1.000		908660.55		P	0.6

103 Rh(ISTD) [No Gas]

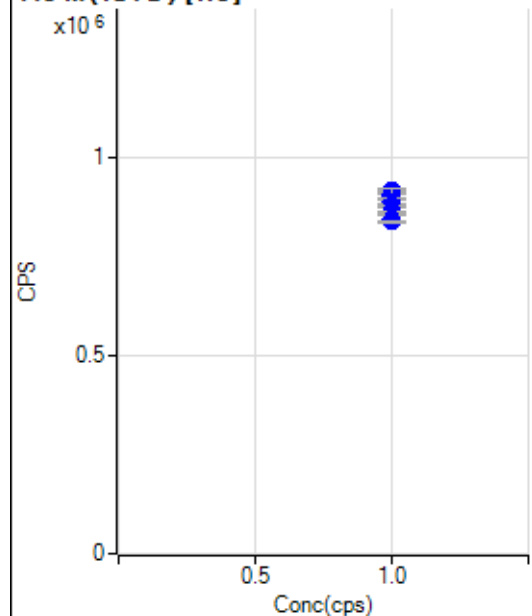
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5105853.24		A	2.2
2	☐	1.000		5101226.24		A	0.9
3	☐	1.000		4986790.48		A	1.4
4	☐	1.000		4989340.69		A	2.5
5	☐	1.000		4927290.39		A	0.8
6	☐	1.000		4867927.28		A	0.7
7	☐	1.000		4903202.89		A	0.9
8	☐	1.000		4368507.17		A	0.6

103 Rh(ISTD) [He]

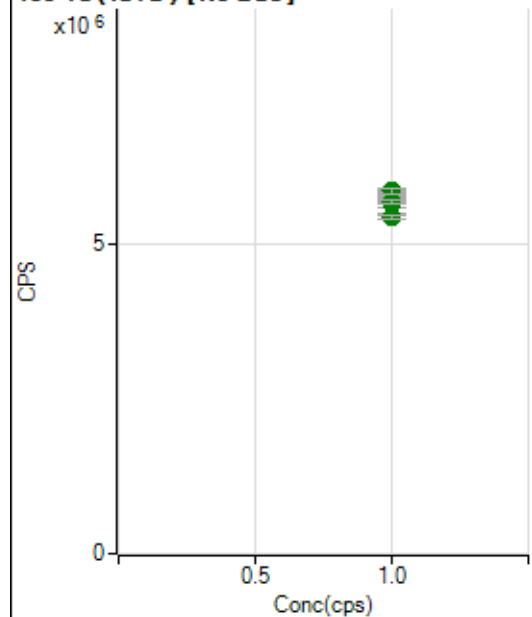
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2609662.42		A	0.6
2	☐	1.000		2646308.33		A	2.5
3	☐	1.000		2603927.29		A	2.2
4	☐	1.000		2537806.11		A	1.0
5	☐	1.000		2541086.42		A	1.4
6	☐	1.000		2540014.68		A	1.5
7	☐	1.000		2429641.80		A	1.9
8	☐	1.000		2259189.25		A	0.3

115 In (ISTD) [No Gas]

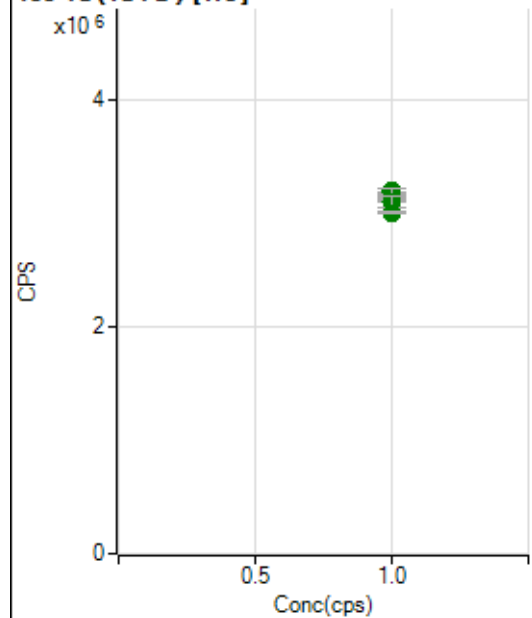
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4931927.33		A	1.4
2	☐	1.000		4966775.39		A	0.6
3	☐	1.000		4818359.87		A	3.0
4	☐	1.000		4740683.71		A	3.3
5	☐	1.000		4791514.55		A	0.5
6	☐	1.000		4699669.26		A	1.1
7	☐	1.000		4777966.58		A	1.6
8	☐	1.000		4504482.18		A	2.9

115 In (ISTD) [He]

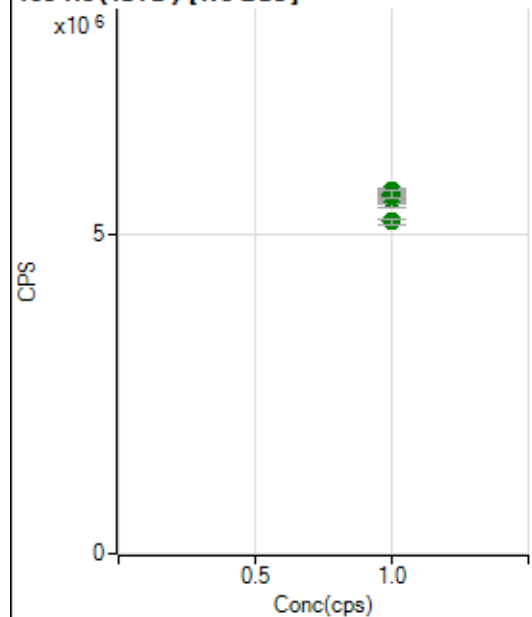
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		901916.06		P	0.6
2	☐	1.000		914572.57		P	0.4
3	☐	1.000		906910.57		P	3.1
4	☐	1.000		888886.11		P	1.9
5	☐	1.000		876695.63		P	0.7
6	☐	1.000		861677.23		P	0.6
7	☐	1.000		844773.43		P	2.2
8	☐	1.000		837779.59		P	0.4

159 Tb (ISTD) [No Gas]

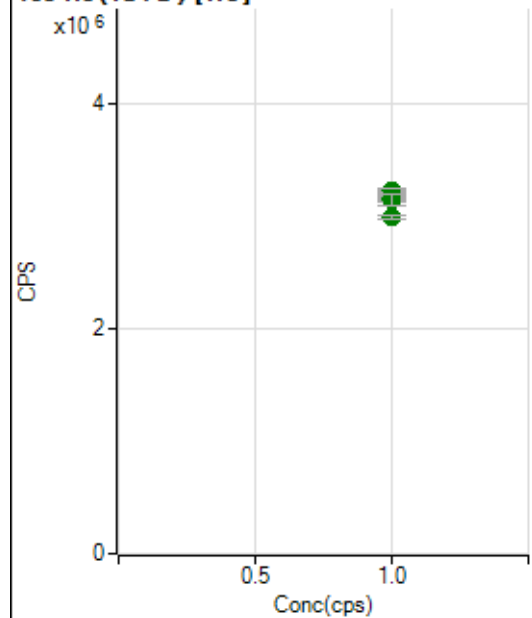
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5831383.11		A	2.9
2	☐	1.000		5831606.86		A	1.6
3	☐	1.000		5726649.98		A	4.2
4	☐	1.000		5663784.67		A	5.9
5	☐	1.000		5726746.79		A	1.6
6	☐	1.000		5698176.09		A	1.0
7	☐	1.000		5867249.22		A	1.8
8	☐	1.000		5440507.59		A	1.4

159 Tb (ISTD) [He]

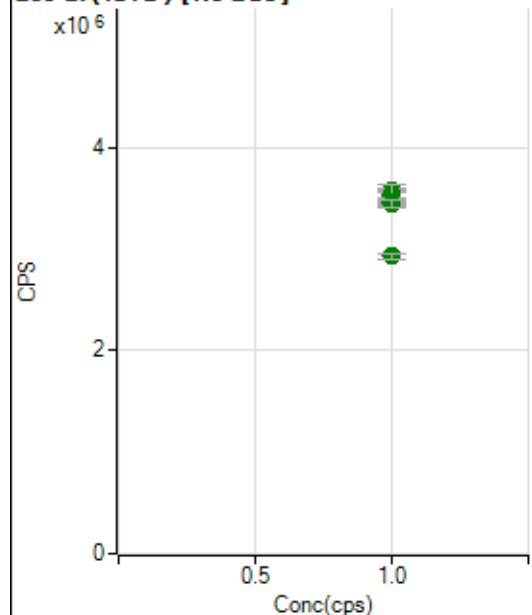
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3158120.65		A	1.8
2	☐	1.000		3145340.61		A	1.8
3	☐	1.000		3125096.83		A	0.6
4	☐	1.000		3196947.49		A	1.2
5	☐	1.000		3155219.12		A	3.9
6	☐	1.000		3179009.12		A	2.4
7	☐	1.000		3100461.27		A	3.5
8	☐	1.000		3001809.50		A	0.7

165 Ho (ISTD) [No Gas]

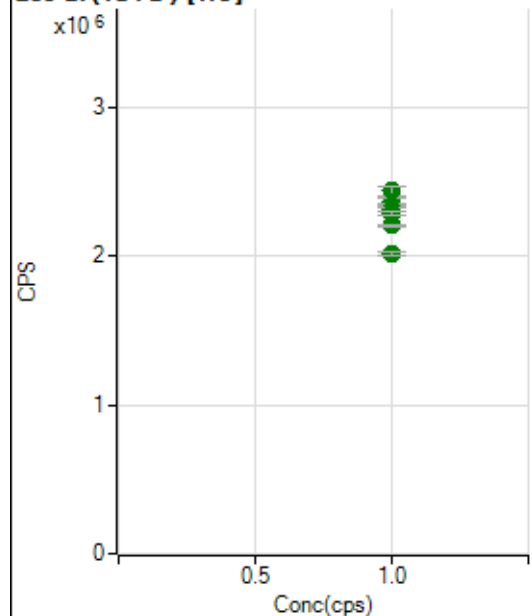
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5687386.89		A	1.6
2	☐	1.000		5589091.66		A	0.5
3	☐	1.000		5543787.71		A	1.3
4	☐	1.000		5544897.09		A	4.8
5	☐	1.000		5592082.15		A	3.4
6	☐	1.000		5612473.13		A	1.8
7	☐	1.000		5640593.70		A	2.2
8	☐	1.000		5206823.73		A	1.5

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3178692.87		A	1.6
2	☐	1.000		3202570.58		A	1.4
3	☐	1.000		3183520.09		A	2.2
4	☐	1.000		3224009.98		A	1.4
5	☐	1.000		3156490.03		A	2.2
6	☐	1.000		3161785.26		A	1.5
7	☐	1.000		3140253.50		A	3.4
8	☐	1.000		2993613.60		A	0.9

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3529118.25		A	1.6
2	☐	1.000		3572832.97		A	1.1
3	☐	1.000		3545092.66		A	2.3
4	☐	1.000		3549125.29		A	4.4
5	☐	1.000		3459689.22		A	2.1
6	☐	1.000		3438242.28		A	1.0
7	☐	1.000		3439330.19		A	2.1
8	☐	1.000		2927636.55		A	2.4

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2347021.16		A	1.2
2	☐	1.000		2442258.83		A	2.5
3	☐	1.000		2374482.73		A	1.6
4	☐	1.000		2349022.97		A	0.9
5	☐	1.000		2315676.48		A	1.4
6	☐	1.000		2289424.91		A	1.0
7	☐	1.000		2209099.81		A	0.9
8	☐	1.000		2017381.67		A	1.0