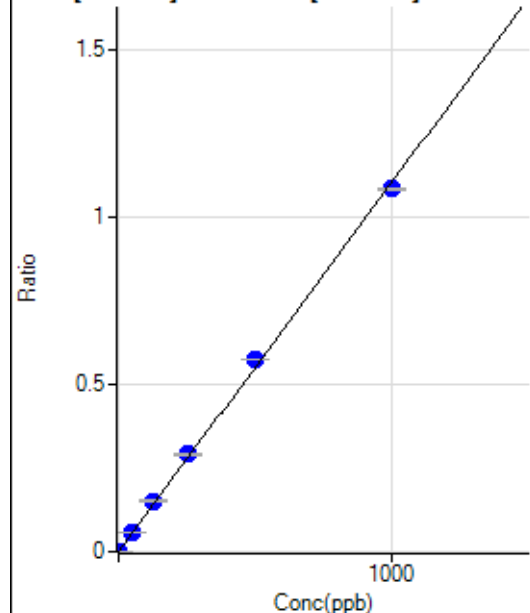


Batch Folder: D:\ICP-MS Data\P7051019A.b\
Analysis File: P7051019A.batch.bin
DA Date-Time: 2019-05-10 17:56:43
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-05-10 14:32:43
2			
3	005CALS.d	S02	2019-05-10 14:40:31
4	006CALS.d	S03	2019-05-10 14:44:27
5	007CALS.d	S04	2019-05-10 14:48:24
6	008CALS.d	S05	2019-05-10 14:52:15
7	009CALS.d	S06	2019-05-10 14:56:05
8	012CALS.d	S07	2019-05-10 15:09:22
9	013CALS.d	S08	2019-05-10 15:13:07

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	64.44	0.0000	P	16.3
2	☐	0.100					
3	☐	1.000	0.948	2025.73	0.0011	P	2.9
4	☐	50.000	54.078	110826.43	0.0596	P	0.7
5	☐	125.000	137.430	263776.78	0.1514	P	4.2
6	☐	250.000	263.635	506655.20	0.2904	P	0.6
7	☐	500.000	522.321	996159.47	0.5753	P	0.5
8	☐	1000.000	983.673	1964490.84	1.0834	P	0.5
9	☐			376.68	0.0002	P	4.8

$$y = 0.0011 * x + 3.4571E-005$$

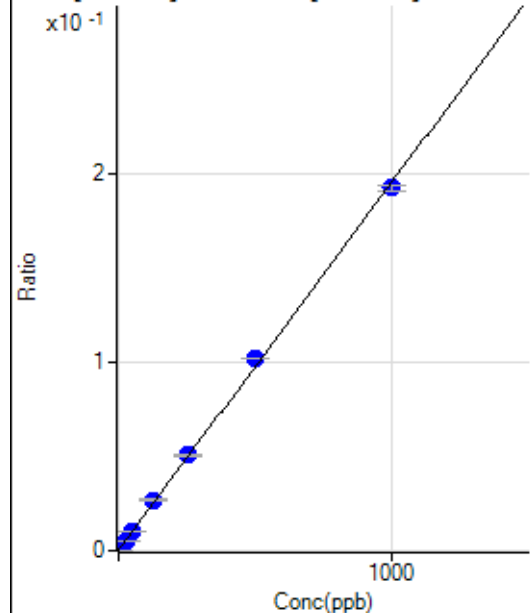
$$R = 0.9995$$

$$DL = 0.01539$$

$$BEC = 0.03139$$

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	400.02	0.0002	P	22.1
2	☐	2.500					
3	☐	25.000	23.776	9125.34	0.0049	P	3.3
4	☐	50.000	51.765	19193.37	0.0103	P	2.6
5	☐	125.000	135.539	46480.58	0.0267	P	4.1
6	☐	250.000	259.167	88659.83	0.0508	P	1.7
7	☐	500.000	520.878	176464.08	0.1019	P	0.4
8	☐	1000.000	985.894	349396.47	0.1927	P	1.3
9	☐			10567.99	0.0061	P	10.2

$$y = 1.9523E-004 * x + 2.1476E-004$$

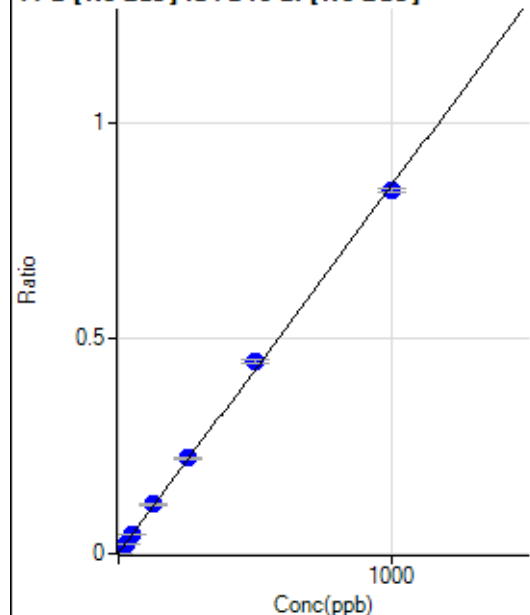
$$R = 0.9996$$

$$DL = 0.7307$$

$$BEC = 1.1$$

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	1655.71	0.0009	P	6.2
2	☐	2.500					
3	☐	25.000	23.475	39274.24	0.0209	P	2.1
4	☐	50.000	51.887	83919.32	0.0451	P	2.0
5	☐	125.000	134.187	200878.16	0.1153	P	4.3
6	☐	250.000	259.126	387039.78	0.2218	P	2.0
7	☐	500.000	521.380	771291.27	0.4454	P	1.5
8	☐	1000.000	985.824	1525582.04	0.8414	P	1.2
9	☐			46157.98	0.0268	P	8.3

$$y = 8.5256\text{E-}004 * x + 8.8821\text{E-}004$$

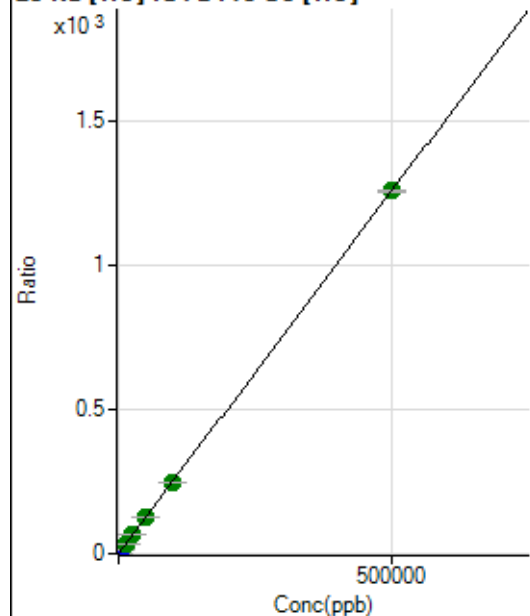
$$R = 0.9996$$

$$DL = 0.1929$$

$$BEC = 1.042$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2566.99	0.0163	P	4.7
2	☐	50.000					
3	☐	500.000	456.789	183831.02	1.1665	P	0.4
4	☐	5000.000	5092.896	1942295.31	12.8393	P	0.6
5	☐	12500.000	12842.451	4540537.64	32.3512	A	8.2
6	☐	25000.000	26871.735	9221200.38	67.6743	A	5.6
7	☐	50000.000	50715.654	18406349.02	127.7087	A	0.6
8	☐	100000.00	97352.364	36781708.46	245.1311	A	0.8
9	☐	500000.00	500354.92	185562627.7	1,259.815	A	0.7

$$y = 0.0025 * x + 0.0163$$

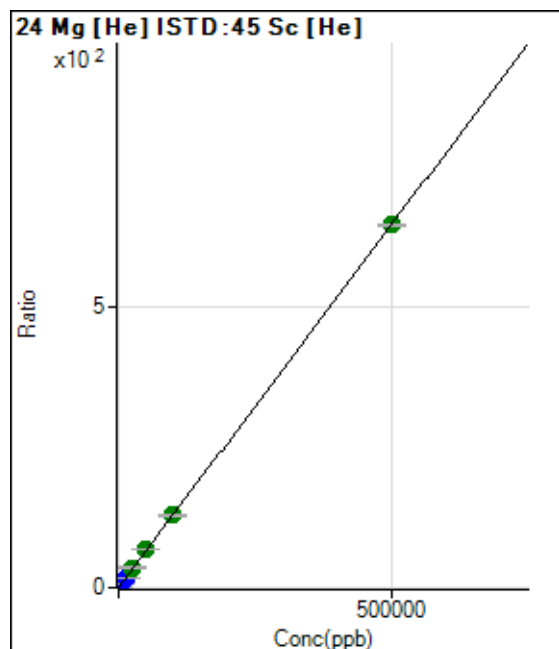
$$R = 1.0000$$

$$DL = 0.9136$$

$$BEC = 6.493$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	172.23	0.0011	P	8.4
2	☐	50.000					
3	☐	500.000	483.229	98729.61	0.6265	P	0.9
4	☐	5000.000	5256.692	1029281.01	6.8039	P	0.6
5	☐	12500.000	13266.960	2409218.80	17.1702	P	8.8
6	☐	25000.000	27725.195	4888876.89	35.8810	A	5.7
7	☐	50000.000	51968.531	9693410.63	67.2550	A	0.3
8	☐	100000.00	99426.182	19306747.13	128.6713	A	1.2
9	☐	500000.00	499759.92	95262627.13	646.7542	A	0.4

$$y = 0.0013 * x + 0.0011$$

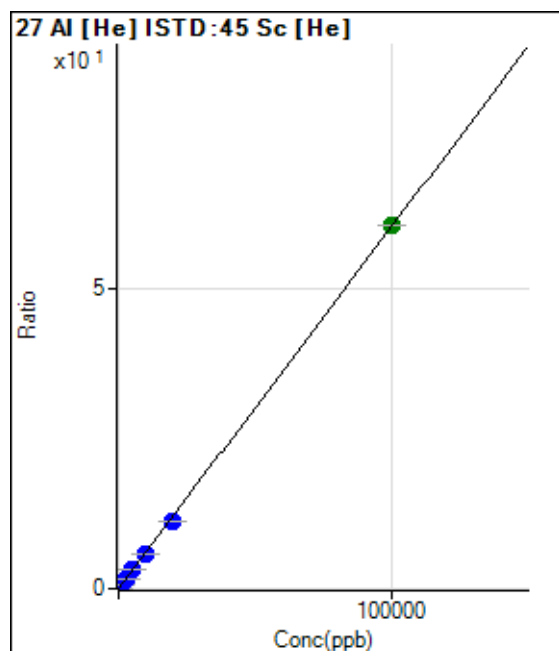
$$R = 1.0000$$

$$DL = 0.2139$$

$$BEC = 0.8483$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	36.11	0.0002	P	80.9
2	☐	2.000					
3	☐	20.000	16.248	1583.48	0.0100	P	10.2
4	☐	1000.000	996.224	91113.10	0.6023	P	0.4
5	☐	2500.000	2530.924	214681.41	1.5298	P	8.5
6	☐	5000.000	5210.788	429116.72	3.1494	P	5.6
7	☐	10000.000	9748.046	849146.95	5.8915	P	0.1
8	☐	20000.000	18693.021	1695161.45	11.2973	P	0.8
9	☐	100000.00	100275.31	8926292.04	60.6016	A	0.0

$$y = 6.0435E-004 * x + 2.2907E-004$$

$$R = 0.9999$$

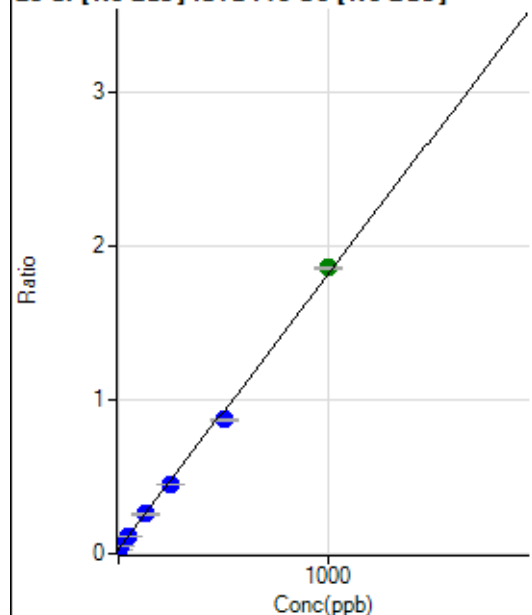
$$DL = 0.9198$$

$$BEC = 0.379$$

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	95543.49	0.0298	P	2.1
2	☐	1.000					
3	☐	10.000	8.360	144784.14	0.0448	P	1.4
4	☐	50.000	49.129	373868.90	0.1178	P	0.8
5	☐	125.000	126.378	746866.72	0.2561	P	5.5
6	☐	250.000	234.959	1323421.51	0.4505	P	0.7
7	☐	500.000	468.607	2558675.38	0.8687	P	0.6
8	☐	1000.000	1019.345	5587784.50	1.8547	A	1.1
9	☐			185512.86	0.0635	P	1.4

$$y = 0.0018 * x + 0.0298$$

$$R = 0.9991$$

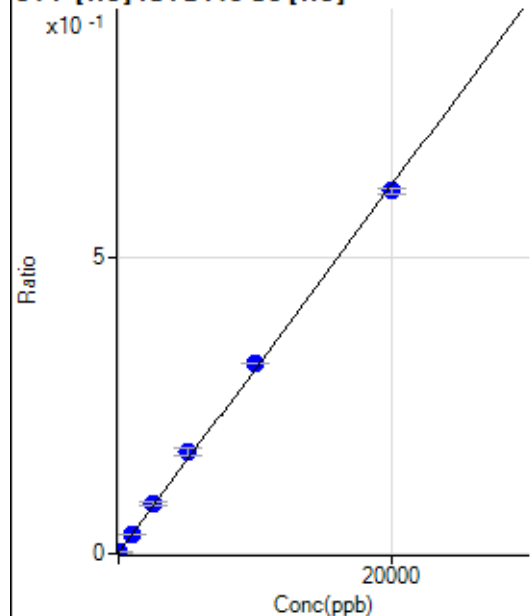
$$DL = 1.033$$

$$BEC = 16.66$$

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	-29.211	86.11	0.0005	P	14.3
2	☐	0.000					
3	☐	0.000	29.211	372.24	0.0024	P	5.8
4	☐	1000.000	1004.827	4939.93	0.0327	P	6.1
5	☐	2500.000	2666.155	11819.03	0.0842	P	8.7
6	☐	5000.000	5471.331	23327.31	0.1713	P	7.4
7	☐	10000.000	10335.153	46456.62	0.3223	P	0.5
8	☐	20000.000	19693.580	91957.78	0.6129	P	1.4
9	☐			141.67	0.0010	P	55.9

$$y = 3.1046E-005 * x + 0.0015$$

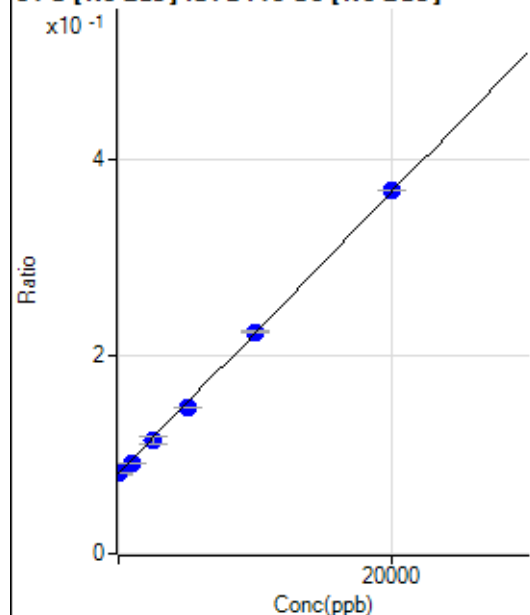
$$R = 0.9994$$

$$DL = 10.44$$

$$BEC = 46.88$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	5.639	261015.98	0.0815	P	2.9
2	☐	0.000					
3	☐	0.000	-5.639	262899.84	0.0813	P	1.2
4	☐	1000.000	721.350	291083.70	0.0917	P	1.0
5	☐	2500.000	2358.111	335505.21	0.1150	P	5.5
6	☐	5000.000	4685.010	435378.59	0.1482	P	0.5
7	☐	10000.000	10073.087	662681.88	0.2250	P	0.3
8	☐	20000.000	20073.873	1107435.73	0.3676	P	0.1
9	☐			234848.12	0.0804	P	1.7

$$y = 1.4254E-005 * x + 0.0814$$

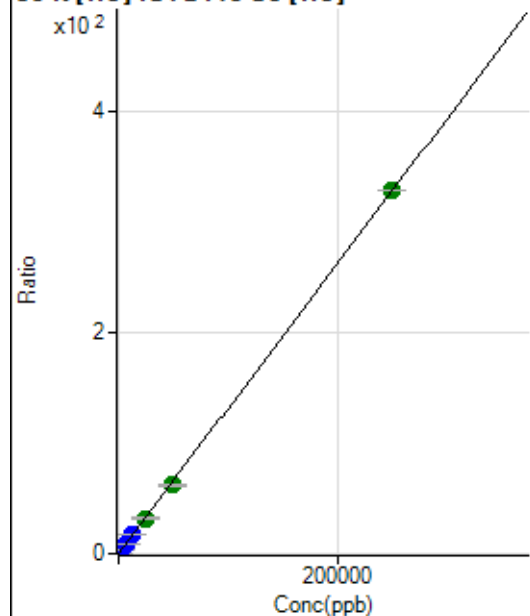
$$R = 0.9998$$

$$DL = 346.9$$

$$BEC = 5711$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	11090.69	0.0706	P	2.7
2	☐	50.000					
3	☐	500.000	449.391	103970.55	0.6597	P	0.4
4	☐	2500.000	2480.428	502551.26	3.3220	P	0.3
5	☐	6250.000	6264.780	1162323.20	8.2826	P	8.5
6	☐	12500.000	13006.285	2333011.25	17.1195	P	5.2
7	☐	25000.000	24510.405	4640888.00	32.1993	A	0.4
8	☐	50000.000	47135.634	9281416.27	61.8569	A	1.3
9	☐	250000.00	250596.44	48394605.60	328.5568	A	0.1

$$y = 0.0013 * x + 0.0706$$

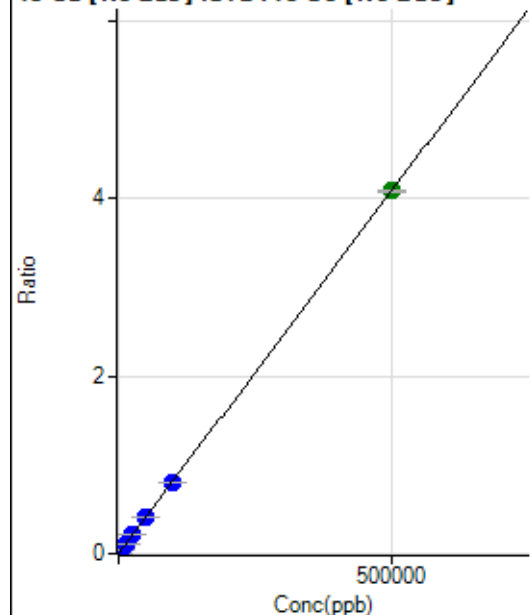
$$R = 0.9999$$

$$DL = 4.403$$

$$BEC = 53.9$$

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	88.90	0.0000	P	38.7
2	☐	50.000					
3	☐	500.000	439.621	11705.07	0.0036	P	2.7
4	☐	5000.000	5027.780	130535.38	0.0411	P	0.8
5	☐	12500.000	13206.147	314949.84	0.1080	P	5.0
6	☐	25000.000	25484.503	612025.70	0.2083	P	0.3
7	☐	50000.000	51253.007	1233880.04	0.4189	P	0.8
8	☐	100000.00	98406.223	2423459.15	0.8043	P	0.1
9	☐	500000.00	500151.35	11942386.20	4.0879	A	0.7

$$y = 8.1733\text{E-}006 * x + 2.7777\text{E-}005$$

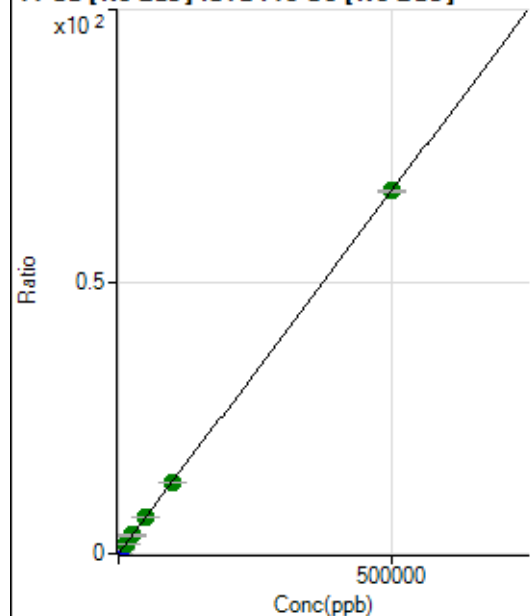
$$R = 1.0000$$

$$DL = 3.941$$

$$BEC = 3.398$$

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	4687.15	0.0015	P	7.3
2	☐	50.000					
3	☐	500.000	452.349	199636.31	0.0618	P	0.3
4	☐	5000.000	5047.897	2140496.64	0.6743	P	0.3
5	☐	12500.000	13031.604	5071623.98	1.7385	A	4.9
6	☐	25000.000	25192.589	9869607.77	3.3594	A	0.8
7	☐	50000.000	50853.232	19968236.73	6.7797	A	0.3
8	☐	100000.00	98609.137	39605528.66	13.1451	A	0.3
9	☐	500000.00	500169.49	194766329.3	66.6692	A	0.6

$$y = 1.3329\text{E-}004 * x + 0.0015$$

$$R = 1.0000$$

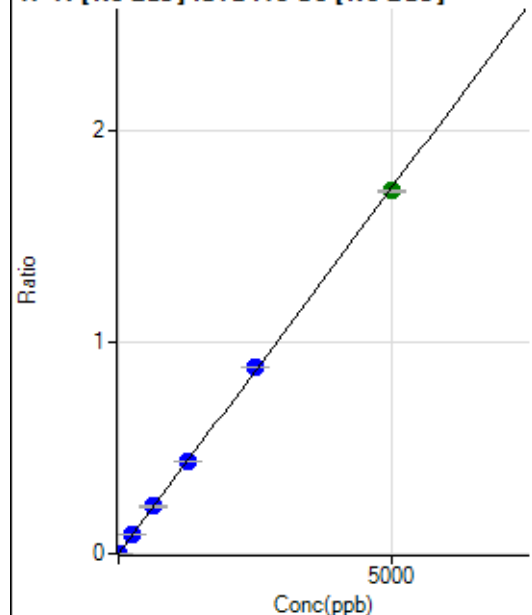
$$DL = 2.399$$

$$BEC = 10.99$$

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	69.45	0.0000	P	28.3
2	☐	0.500					
3	☐	5.000	4.966	5612.43	0.0017	P	2.9
4	☐	250.000	252.969	277288.20	0.0874	P	0.4
5	☐	625.000	653.284	657932.82	0.2255	P	5.1
6	☐	1250.000	1271.757	1289897.59	0.4391	P	0.5
7	☐	2500.000	2555.841	2598727.62	0.8823	P	0.4
8	☐	5000.000	4962.957	5162042.43	1.7133	A	0.5
9	☐			2414.20	0.0008	P	1.7

$$y = 3.4522\text{E-}004 * x + 2.1602\text{E-}005$$

$$R = 0.9999$$

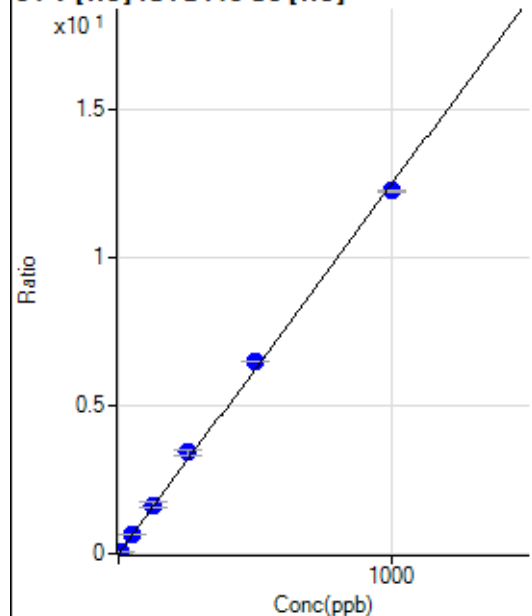
$$DL = 0.05319$$

$$BEC = 0.06258$$

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	100.8
2	☐	0.500					
3	☐	5.000	4.931	9698.88	0.0615	P	0.5
4	☐	50.000	52.136	98394.05	0.6504	P	0.3
5	☐	125.000	132.527	232009.24	1.6533	P	8.5
6	☐	250.000	275.236	467922.46	3.4336	P	5.2
7	☐	500.000	519.700	934430.08	6.4832	P	0.4
8	☐	1000.000	982.794	1839685.95	12.2603	P	0.3
9	☐			352.24	0.0024	P	12.7

$$y = 0.0125 * x + 2.1359\text{E-}005$$

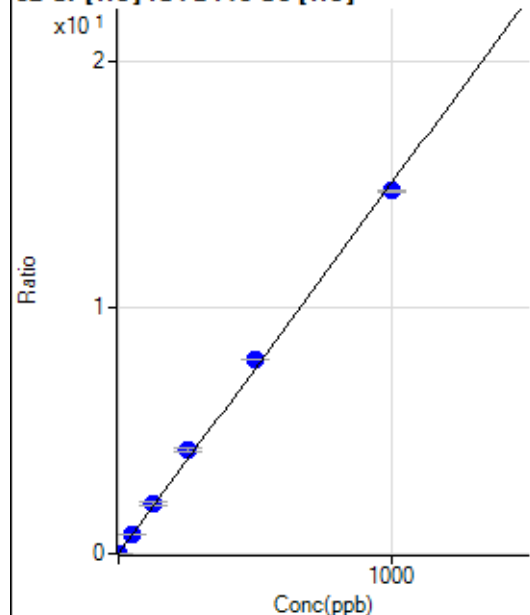
$$R = 0.9993$$

$$DL = 0.005176$$

$$BEC = 0.001712$$

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	583.35	0.0037	P	5.1
2	☐	0.200					
3	☐	2.000	1.960	5232.12	0.0332	P	0.3
4	☐	50.000	53.303	121836.76	0.8054	P	0.1
5	☐	125.000	135.220	285978.08	2.0374	P	8.1
6	☐	250.000	279.556	573563.81	4.2082	P	4.8
7	☐	500.000	523.165	1134598.72	7.8721	P	0.5
8	☐	1000.000	979.586	2211252.43	14.7366	P	0.3
9	☐			13712.11	0.0931	P	2.1

$$y = 0.0150 * x + 0.0037$$

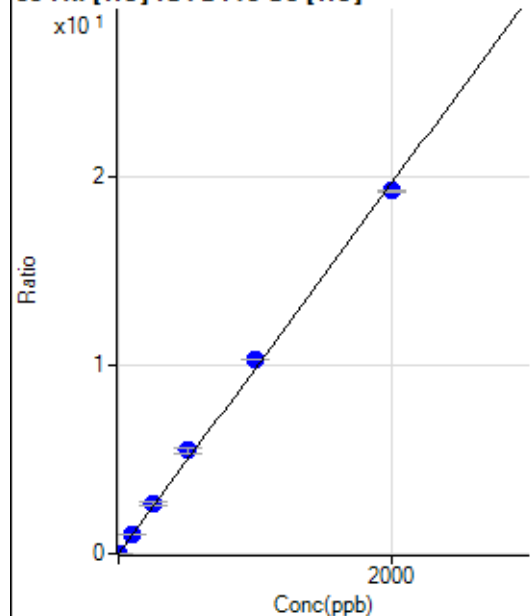
$$R = 0.9991$$

$$DL = 0.038$$

$$BEC = 0.2471$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	24.44	0.0002	P	56.0
2	☐	0.100					
3	☐	1.000	1.003	1579.00	0.0100	P	8.9
4	☐	100.000	106.059	157841.46	1.0434	P	0.3
5	☐	250.000	269.922	372625.90	2.6552	P	8.4
6	☐	500.000	558.981	749311.90	5.4985	P	5.2
7	☐	1000.000	1044.922	1481439.25	10.2784	P	0.0
8	☐	2000.000	1960.000	2892915.83	19.2795	P	0.4
9	☐			11351.23	0.0771	P	2.7

$$y = 0.0098 * x + 1.5541E-004$$

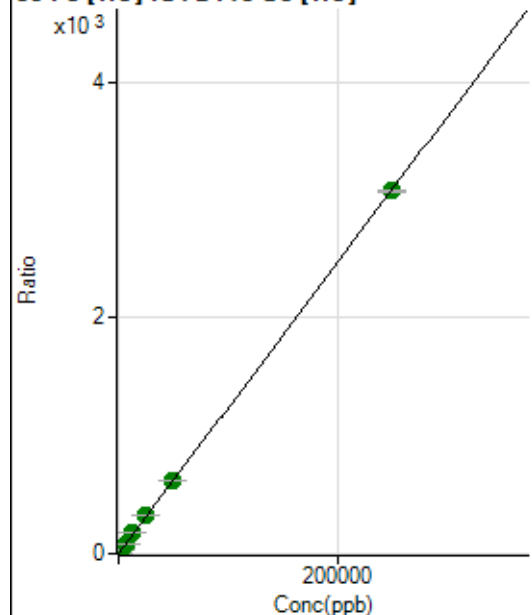
$$R = 0.9991$$

$$DL = 0.02655$$

$$BEC = 0.0158$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3022.62	0.0193	P	2.9
2	☐	5.000					
3	☐	50.000	54.393	108745.51	0.6900	P	0.7
4	☐	2500.000	2708.043	5054782.81	33.4138	A	0.6
5	☐	6250.000	6898.527	11941503.63	85.0891	A	8.4
6	☐	12500.000	14324.485	24071784.57	176.6631	A	5.6
7	☐	25000.000	26789.215	47616532.55	330.3732	A	0.4
8	☐	50000.000	50243.981	92970606.71	619.6080	A	1.1
9	☐	250000.00	249662.76	453481828.6	3,078.761	A	0.4

$$y = 0.0123 * x + 0.0193$$

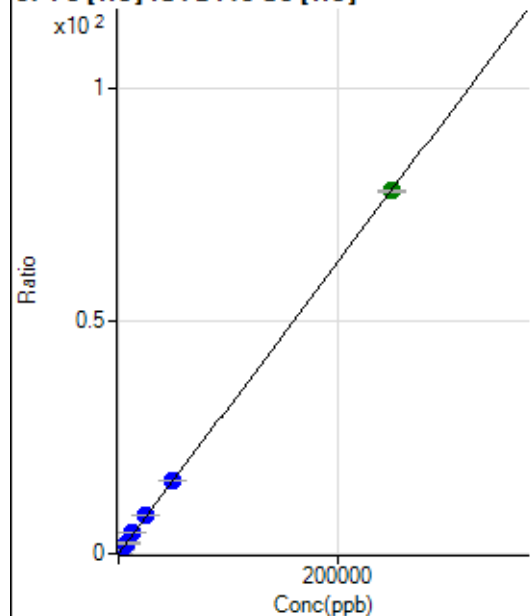
$$R = 1.0000$$

$$DL = 0.1371$$

$$BEC = 1.562$$

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	75.93	0.0005	P	41.2
2	☐	5.000					
3	☐	50.000	55.291	2796.65	0.0177	P	4.3
4	☐	2500.000	2783.481	131515.20	0.8694	P	0.5
5	☐	6250.000	7010.752	307042.74	2.1889	P	9.4
6	☐	12500.000	14440.786	614429.91	4.5083	P	5.0
7	☐	25000.000	26972.007	1213569.66	8.4200	P	0.3
8	☐	50000.000	50305.429	2356318.77	15.7037	P	0.8
9	☐	250000.00	249622.82	11477397.59	77.9219	A	0.4

$$y = 3.1216E-004 * x + 4.8481E-004$$

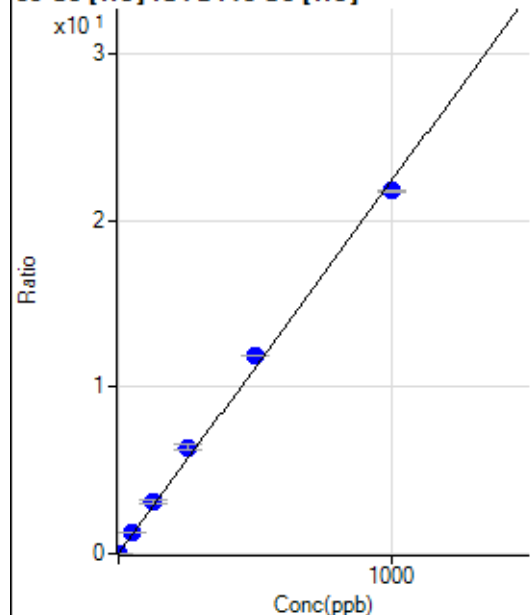
$$R = 1.0000$$

$$DL = 1.919$$

$$BEC = 1.553$$

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	41.11	0.0003	P	16.0
2	☐	0.100					
3	☐	1.000	1.000	3562.70	0.0226	P	1.6
4	☐	50.000	55.069	186129.14	1.2304	P	0.7
5	☐	125.000	138.324	433579.66	3.0902	P	8.8
6	☐	250.000	285.612	869625.79	6.3803	P	4.8
7	☐	500.000	530.877	1709245.25	11.8590	P	0.1
8	☐	1000.000	973.739	3263853.70	21.7517	P	0.6
9	☐			37808.77	0.2567	P	0.3

$$y = 0.0223 * x + 2.6160E-004$$

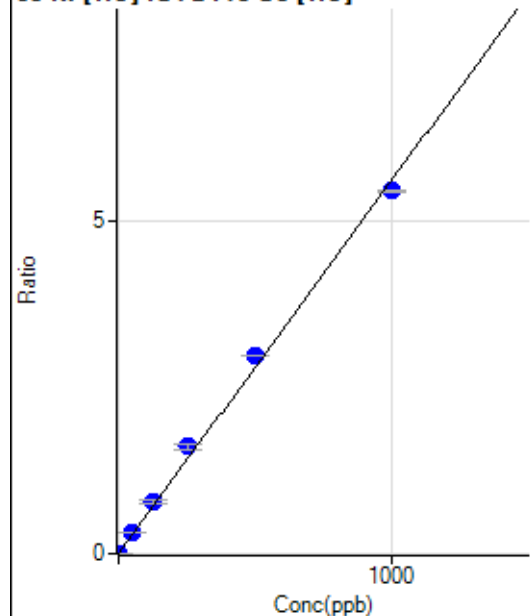
$$R = 0.9985$$

$$DL = 0.005614$$

$$BEC = 0.01171$$

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	38.89	0.0002	P	13.9
2	☐	0.100					
3	☐	1.000	0.987	911.16	0.0058	P	2.0
4	☐	50.000	56.003	47531.38	0.3142	P	0.4
5	☐	125.000	138.925	109353.98	0.7791	P	8.1
6	☐	250.000	286.796	219152.72	1.6080	P	5.1
7	☐	500.000	532.288	430122.60	2.9843	P	0.4
8	☐	1000.000	972.616	818198.94	5.4528	P	0.7
9	☐			9304.18	0.0632	P	1.3

$$y = 0.0056 * x + 2.4790E-004$$

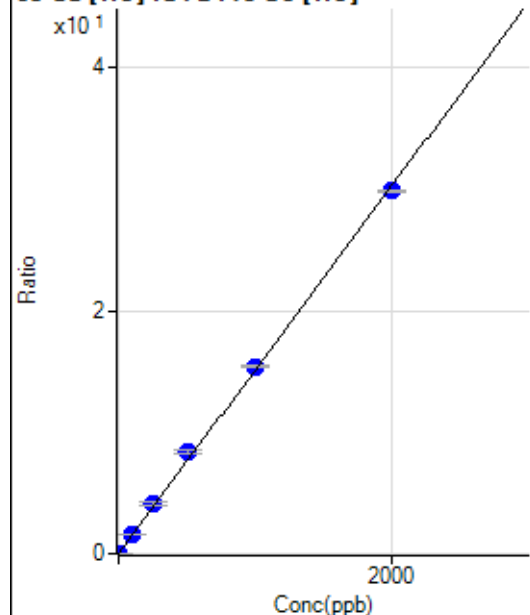
$$R = 0.9984$$

$$DL = 0.01838$$

$$BEC = 0.04422$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	277.79	0.0018	P	4.9
2	☐	0.200					
3	☐	2.000	1.972	4979.82	0.0316	P	3.0
4	☐	100.000	107.754	246866.75	1.6319	P	0.1
5	☐	250.000	270.683	575023.22	4.0967	P	8.1
6	☐	500.000	553.411	1141325.08	8.3738	P	4.8
7	☐	1000.000	1018.153	2220224.90	15.4044	P	0.5
8	☐	2000.000	1974.598	4482614.90	29.8736	P	0.2
9	☐			5522.24	0.0375	P	5.1

$$y = 0.0151 * x + 0.0018$$

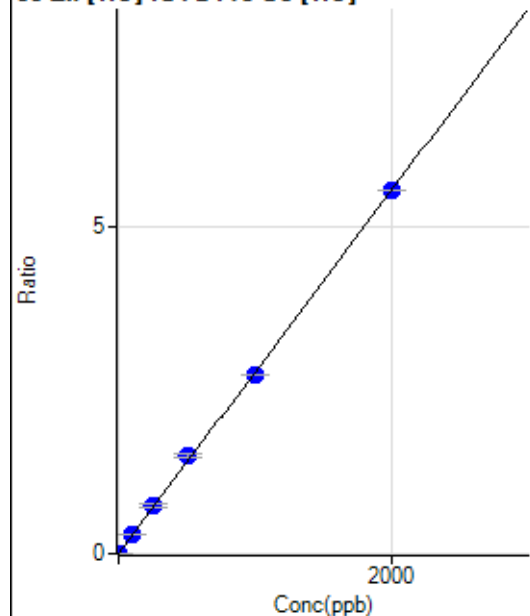
$$R = 0.9995$$

$$DL = 0.01719$$

$$BEC = 0.117$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	262.23	0.0017	P	10.4
2	☐	0.200					
3	☐	2.000	1.959	1118.95	0.0071	P	1.6
4	☐	100.000	107.715	45405.04	0.3001	P	0.3
5	☐	250.000	264.320	102988.61	0.7341	P	9.1
6	☐	500.000	536.244	202806.27	1.4876	P	4.2
7	☐	1000.000	983.726	393117.46	2.7275	P	0.3
8	☐	2000.000	1996.900	830543.47	5.5350	P	0.1
9	☐			7904.48	0.0537	P	2.7

$$y = 0.0028 * x + 0.0017$$

$$R = 0.9998$$

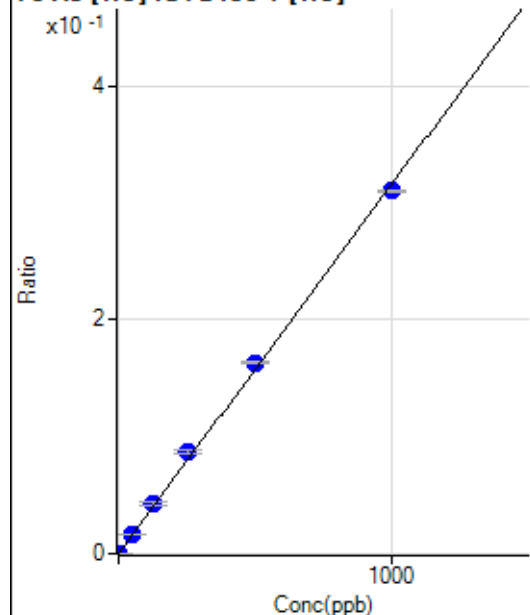
$$DL = 0.1889$$

$$BEC = 0.6032$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6.17	0.0000	P	34.0
2	☐	0.100					
3	☐	1.000	0.884	238.28	0.0003	P	8.7
4	☐	50.000	52.251	13352.51	0.0165	P	0.6
5	☐	125.000	133.358	31696.86	0.0421	P	8.5
6	☐	250.000	277.502	64020.35	0.0875	P	4.1
7	☐	500.000	518.071	125628.03	0.1634	P	0.7
8	☐	1000.000	982.932	243610.02	0.3101	P	0.6
9	☐			307.41	0.0004	P	10.9

$$y = 3.1546E-004 * x + 7.3821E-006$$

$$R = 0.9993$$

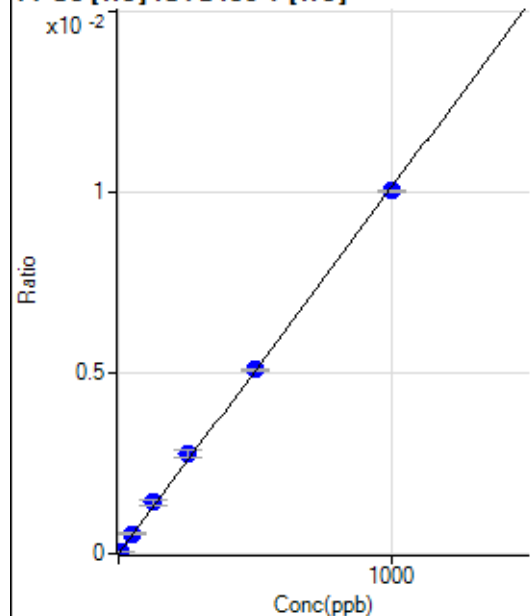
$$DL = 0.02386$$

$$BEC = 0.0234$$

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	☐	0.500					
3	☐	5.000	6.450	54.44	0.0001	P	9.2
4	☐	50.000	53.333	437.79	0.0005	P	8.8
5	☐	125.000	140.712	1073.39	0.0014	P	11.0
6	☐	250.000	273.532	2025.74	0.0028	P	7.5
7	☐	500.000	502.859	3918.37	0.0051	P	0.7
8	☐	1000.000	990.550	7888.92	0.0100	P	0.8
9	☐			1.11	0.0000	P	173.2

$$y = 1.0137E-005 * x + 0.0000E+000$$

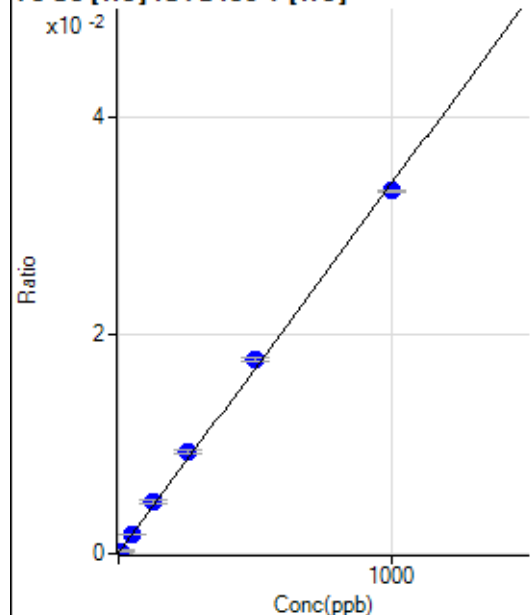
$$R = 0.9996$$

$$DL = 0$$

$$BEC = 0$$

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	48.15	0.0001	P	37.1
2	☐	0.500					
3	☐	5.000	5.570	204.94	0.0002	P	18.7
4	☐	50.000	51.610	1459.96	0.0018	P	0.8
5	☐	125.000	138.518	3572.07	0.0047	P	8.5
6	☐	250.000	274.816	6839.33	0.0094	P	3.9
7	☐	500.000	523.107	13640.43	0.0177	P	2.0
8	☐	1000.000	980.470	26093.23	0.0332	P	0.8
9	☐			41.36	0.0001	P	33.7

$$y = 3.3816\text{E-}005 * x + 5.7791\text{E-}005$$

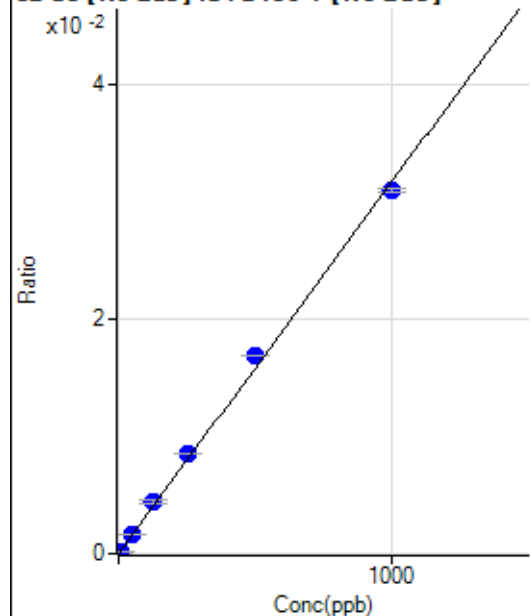
$$R = 0.9992$$

$$DL = 1.904$$

$$BEC = 1.709$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.16	0.0000	P	3543.
2	☐	0.500					
3	☐	5.000	5.459	852.30	0.0002	P	1.7
4	☐	50.000	54.052	8353.73	0.0017	P	0.7
5	☐	125.000	139.432	20161.44	0.0044	P	4.8
6	☐	250.000	268.878	39540.70	0.0085	P	1.0
7	☐	500.000	532.860	78418.88	0.0169	P	0.8
8	☐	1000.000	976.842	146125.21	0.0309	P	1.1
9	☐			80.53	0.0000	P	26.9

$$y = 3.1651\text{E-}005 * x + 3.6581\text{E-}008$$

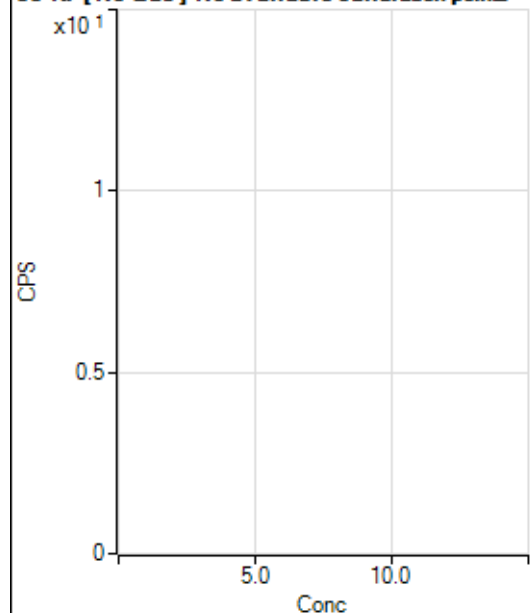
$$R = 0.9989$$

$$DL = 0.1229$$

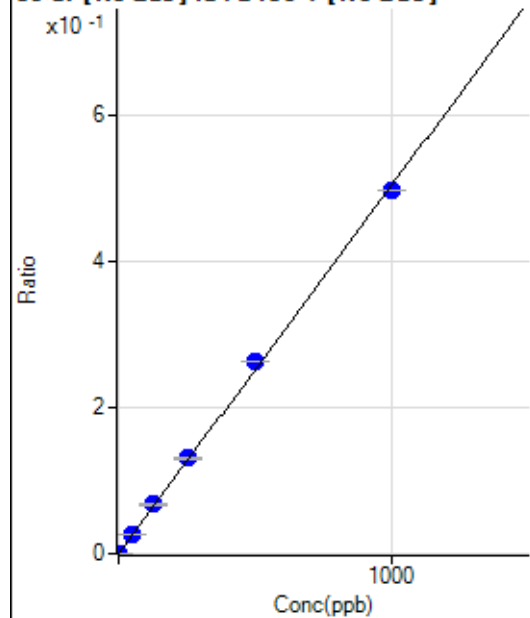
$$BEC = 0.001156$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			253.34		P	4.7
2	☐						
3	☐			233.34		P	6.2
4	☐			245.56		P	7.7
5	☐			256.68		P	13.6
6	☐			196.67		P	9.0
7	☐			230.01		P	11.3
8	☐			233.34		P	13.6
9	☐			265.56		P	12.1

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	425.03	0.0001	P	19.2
2	☐	0.100					
3	☐	1.000	0.908	2672.59	0.0005	P	1.0
4	☐	50.000	51.492	126995.69	0.0260	P	0.4
5	☐	125.000	133.952	308445.18	0.0675	P	5.1
6	☐	250.000	259.107	606481.03	0.1305	P	0.5
7	☐	500.000	521.616	1221450.94	0.2627	P	0.3
8	☐	1000.000	985.722	2345817.48	0.4963	P	0.1
9	☐			10067.88	0.0023	P	5.8

$$y = 5.0344\text{E-}004 * x + 8.4891\text{E-}005$$

$$R = 0.9996$$

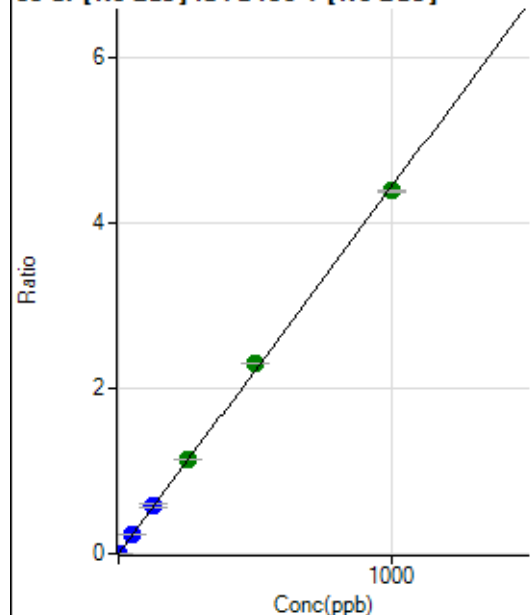
$$DL = 0.09693$$

$$BEC = 0.1686$$

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	147.23	0.0000	P	21.9
2	☐	0.100					
3	☐	1.000	0.921	20270.72	0.0041	P	2.5
4	☐	50.000	50.982	1103202.51	0.2259	P	0.3
5	☐	125.000	131.525	2662449.36	0.5828	P	4.9
6	☐	250.000	255.374	5257682.19	1.1316	A	0.4
7	☐	500.000	517.679	10665906.23	2.2938	A	0.3
8	☐	1000.000	988.952	20710682.06	4.3820	A	0.3
9	☐			84934.74	0.0192	P	0.6

$$y = 0.0044 * x + 2.9379E-005$$

$$R = 0.9997$$

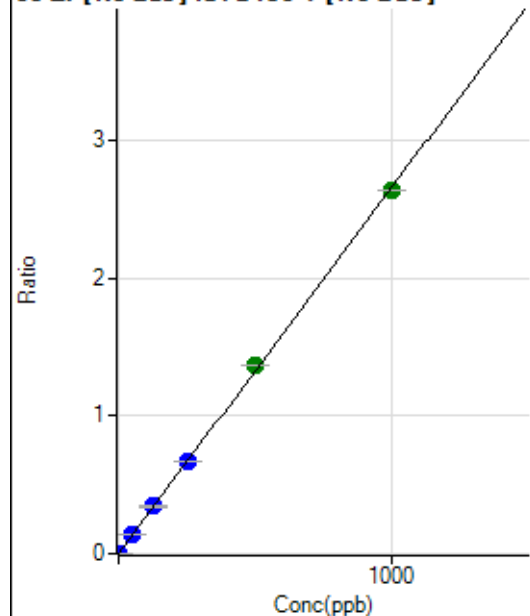
$$DL = 0.004365$$

$$BEC = 0.00663$$

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	377.80	0.0001	P	20.9
2	☐	0.100					
3	☐	1.000	0.874	11813.64	0.0024	P	2.3
4	☐	50.000	50.127	649972.43	0.1331	P	0.5
5	☐	125.000	130.387	1580890.76	0.3461	P	5.5
6	☐	250.000	252.263	3110981.32	0.6696	P	1.1
7	☐	500.000	514.016	6343446.11	1.3642	A	0.6
8	☐	1000.000	991.746	12440180.40	2.6321	A	0.1
9	☐			3600.61	0.0008	P	6.3

$$y = 0.0027 * x + 7.5628E-005$$

$$R = 0.9998$$

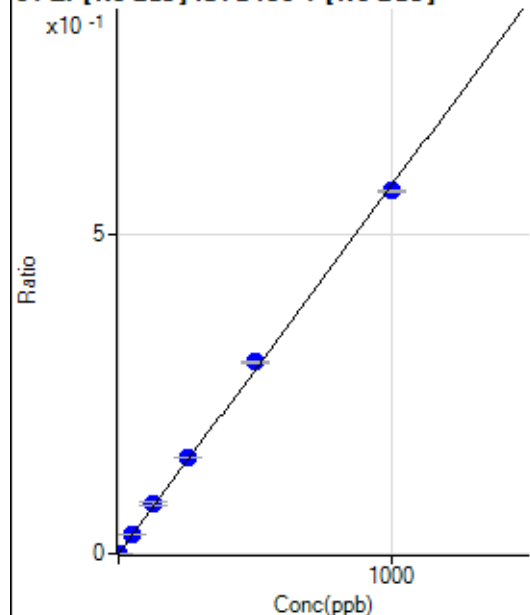
$$DL = 0.01788$$

$$BEC = 0.0285$$

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	55.56	0.0000	P	44.7
2	☐	0.100					
3	☐	1.000	0.893	2597.56	0.0005	P	3.4
4	☐	50.000	51.977	146511.84	0.0300	P	1.0
5	☐	125.000	135.068	356101.55	0.0780	P	5.1
6	☐	250.000	260.003	697171.10	0.1500	P	0.5
7	☐	500.000	520.227	1395919.95	0.3002	P	0.6
8	☐	1000.000	986.028	2689309.89	0.5690	P	0.5
9	☐			794.50	0.0002	P	5.3

$$y = 5.7706E-004 * x + 1.1075E-005$$

$$R = 0.9996$$

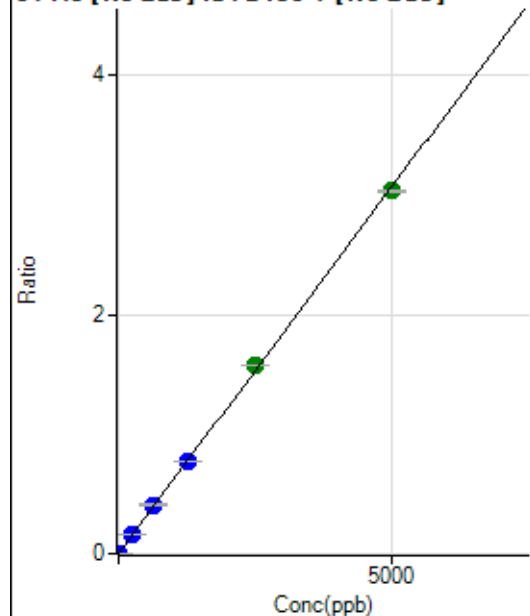
$$DL = 0.02574$$

$$BEC = 0.01919$$

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	136.12	0.0000	P	41.3
2	☐	0.500					
3	☐	5.000	4.790	14621.94	0.0030	P	2.5
4	☐	250.000	253.265	758428.72	0.1553	P	0.7
5	☐	625.000	660.410	1850189.65	0.4050	P	4.6
6	☐	1250.000	1267.018	3609792.22	0.7769	P	0.4
7	☐	2500.000	2580.805	7358270.82	1.5825	A	0.3
8	☐	5000.000	4950.754	14347312.13	3.0356	A	0.4
9	☐			8147.06	0.0018	P	10.2

$$y = 6.1316E-004 * x + 2.7235E-005$$

$$R = 0.9998$$

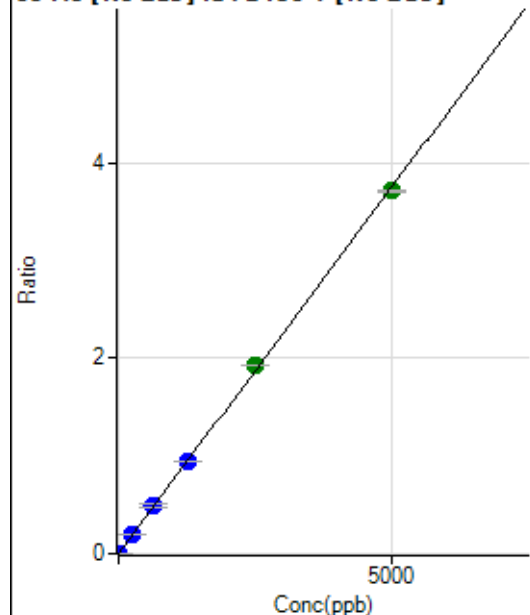
$$DL = 0.05504$$

$$BEC = 0.04442$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	72.23	0.0000	P	23.9
2	☐	0.500					
3	☐	5.000	4.920	18259.73	0.0037	P	0.5
4	☐	250.000	252.115	922800.63	0.1890	P	0.3
5	☐	625.000	654.942	2242653.07	0.4909	P	4.9
6	☐	1250.000	1257.259	4378500.49	0.9424	P	0.4
7	☐	2500.000	2582.170	8999312.18	1.9354	A	0.3
8	☐	5000.000	4953.252	17546671.57	3.7126	A	0.5
9	☐			12369.77	0.0028	P	8.1

$$y = 7.4952\text{E-}004 * x + 1.4431\text{E-}005$$

$$R = 0.9998$$

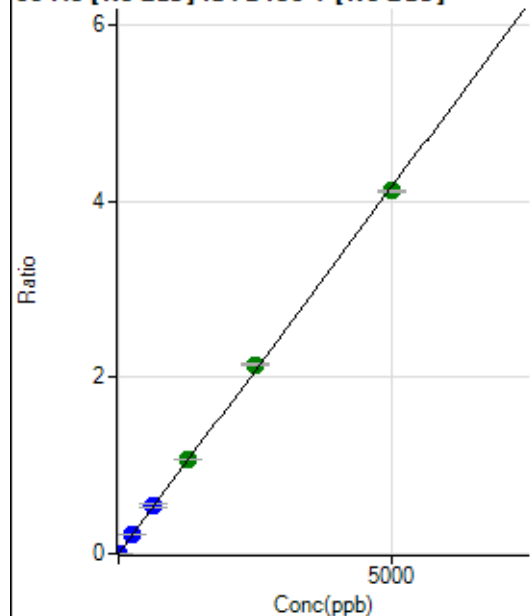
$$DL = 0.01379$$

$$BEC = 0.01925$$

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	125.01	0.0000	P	50.2
2	☐	0.500					
3	☐	5.000	4.859	20059.24	0.0041	P	0.6
4	☐	250.000	253.333	1029338.53	0.2108	P	0.3
5	☐	625.000	653.186	2482731.70	0.5435	P	5.0
6	☐	1250.000	1273.005	4921312.13	1.0592	A	0.1
7	☐	2500.000	2582.267	9990029.74	2.1485	A	0.5
8	☐	5000.000	4949.426	19462877.52	4.1180	A	0.3
9	☐			16877.34	0.0038	P	1.9

$$y = 8.3201\text{E-}004 * x + 2.4947\text{E-}005$$

$$R = 0.9998$$

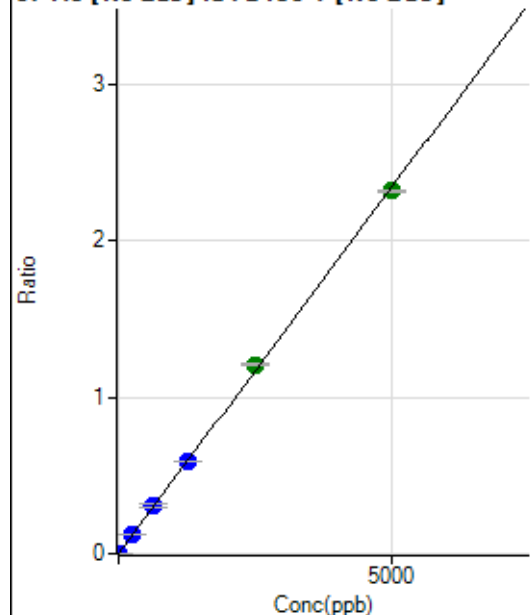
$$DL = 0.04518$$

$$BEC = 0.02998$$

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	33.33	0.0000	P	49.1
2	☐	0.500					
3	☐	5.000	4.783	11060.30	0.0022	P	2.1
4	☐	250.000	253.071	577696.79	0.1183	P	0.9
5	☐	625.000	654.416	1397582.23	0.3059	P	4.9
6	☐	1250.000	1254.629	2725132.07	0.5865	P	0.1
7	☐	2500.000	2580.012	5608004.25	1.2061	A	0.7
8	☐	5000.000	4955.006	10947586.44	2.3163	A	0.4
9	☐			7610.69	0.0017	P	3.6

$$y = 4.6747\text{E-}004 * x + 6.6474\text{E-}006$$

$$R = 0.9998$$

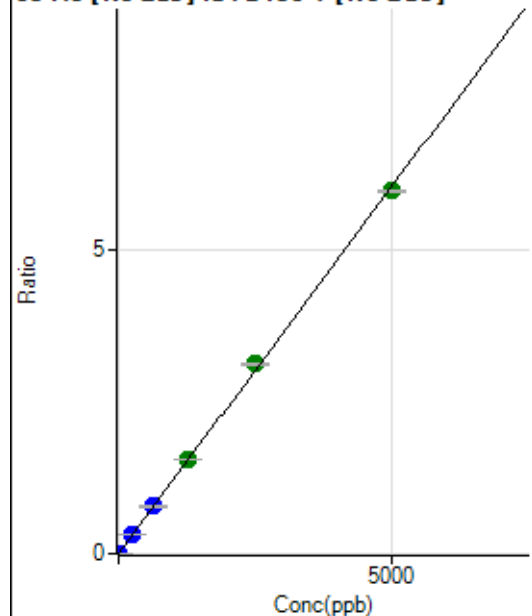
$$DL = 0.02094$$

$$BEC = 0.01422$$

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	97.23	0.0000	P	42.1
2	☐	0.500					
3	☐	5.000	4.845	28905.18	0.0059	P	1.3
4	☐	250.000	252.090	1484158.41	0.3039	P	0.8
5	☐	625.000	652.631	3594859.85	0.7869	P	4.7
6	☐	1250.000	1275.388	7144603.72	1.5377	A	0.5
7	☐	2500.000	2587.586	14506020.12	3.1197	A	0.8
8	☐	5000.000	4946.302	28184855.84	5.9634	A	0.3
9	☐			18924.37	0.0043	P	2.0

$$y = 0.0012 * x + 1.9425\text{E-}005$$

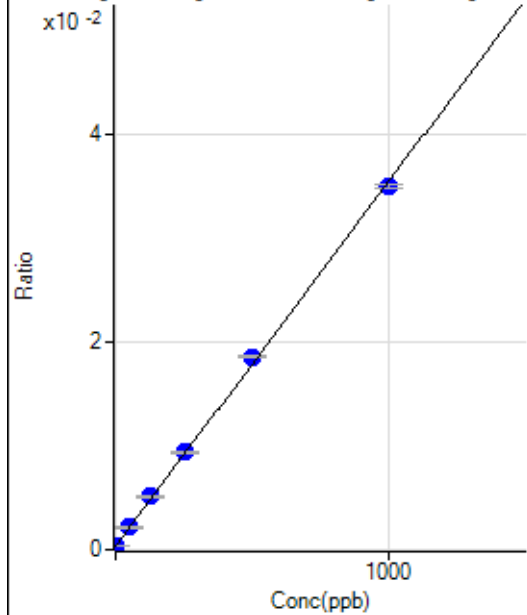
$$R = 0.9997$$

$$DL = 0.02035$$

$$BEC = 0.01611$$

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	2147.48	0.0003	P	7.2
2	☐	0.100					
3	☐	1.000	0.788	2283.61	0.0004	P	7.6
4	☐	50.000	52.503	14096.44	0.0022	P	3.6
5	☐	125.000	136.891	32062.27	0.0051	P	4.8
6	☐	250.000	257.427	60122.70	0.0094	P	1.7
7	☐	500.000	520.902	120248.40	0.0186	P	1.8
8	☐	1000.000	986.081	226275.05	0.0350	P	1.1
9	☐			2008.56	0.0003	P	4.6

$$y = 3.5153\text{E-}005 * x + 3.2603\text{E-}004$$

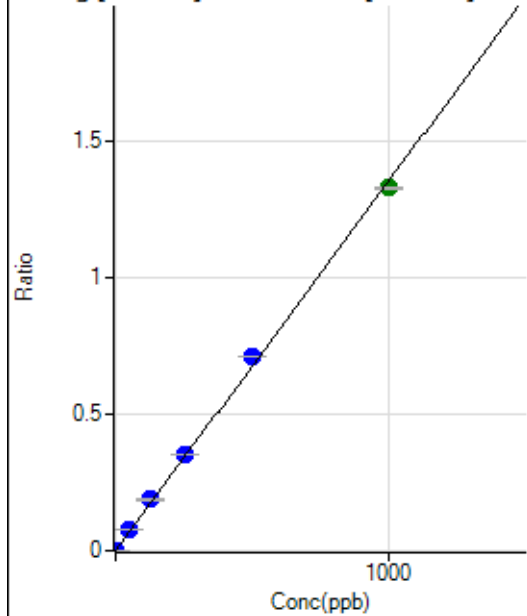
$$R = 0.9996$$

$$DL = 2.002$$

$$BEC = 9.275$$

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	88.89	0.0000	P	67.0
2	☐	0.100					
3	☐	1.000	1.149	10126.23	0.0016	P	3.2
4	☐	50.000	55.263	485495.71	0.0748	P	0.4
5	☐	125.000	139.076	1174248.85	0.1882	P	5.0
6	☐	250.000	259.785	2254500.20	0.3515	P	0.6
7	☐	500.000	525.773	4590516.03	0.7114	P	0.8
8	☐	1000.000	982.644	8598876.84	1.3296	A	0.7
9	☐			886.18	0.0001	P	4.5

$$y = 0.0014 * x + 1.3455\text{E-}005$$

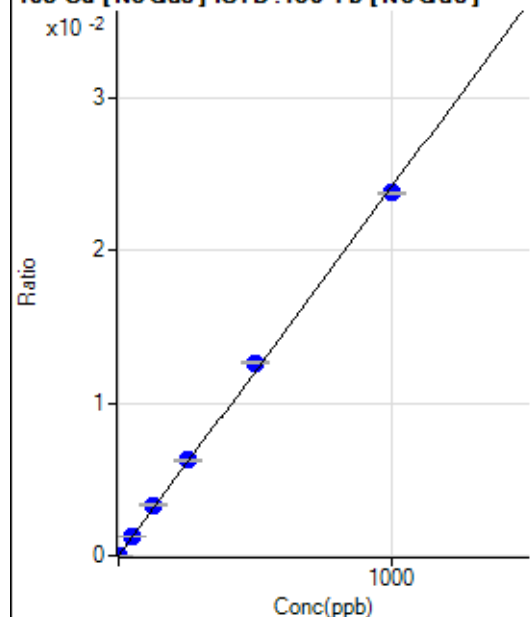
$$R = 0.9994$$

$$DL = 0.02$$

$$BEC = 0.009943$$

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	8.33	0.0000	P	50.5
2	☐	0.100					
3	☐	1.000	1.141	186.11	0.0000	P	22.4
4	☐	50.000	52.733	8267.82	0.0013	P	1.1
5	☐	125.000	136.206	20516.47	0.0033	P	4.5
6	☐	250.000	258.501	40009.33	0.0062	P	0.6
7	☐	500.000	523.530	81516.31	0.0126	P	0.6
8	☐	1000.000	984.572	153644.58	0.0238	P	0.3
9	☐			37.50	0.0000	P	22.7

$$y = 2.4129E-005 * x + 1.2669E-006$$

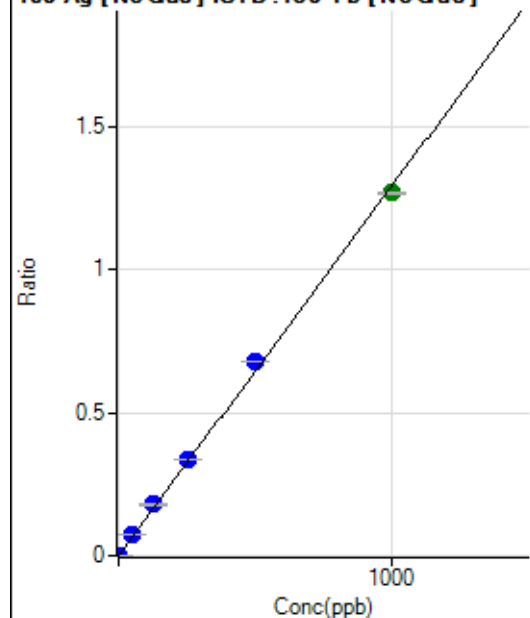
$$R = 0.9995$$

$$DL = 0.07957$$

$$BEC = 0.0525$$

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	47.22	0.0000	P	36.0
2	☐	0.100					
3	☐	1.000	1.165	9776.00	0.0015	P	4.0
4	☐	50.000	54.841	460320.29	0.0709	P	0.4
5	☐	125.000	138.067	1113823.31	0.1785	P	5.1
6	☐	250.000	260.021	2156128.33	0.3362	P	0.9
7	☐	500.000	526.045	4388585.12	0.6802	P	0.6
8	☐	1000.000	982.597	8216194.54	1.2704	A	0.4
9	☐			880.62	0.0001	P	5.2

$$y = 0.0013 * x + 7.1592E-006$$

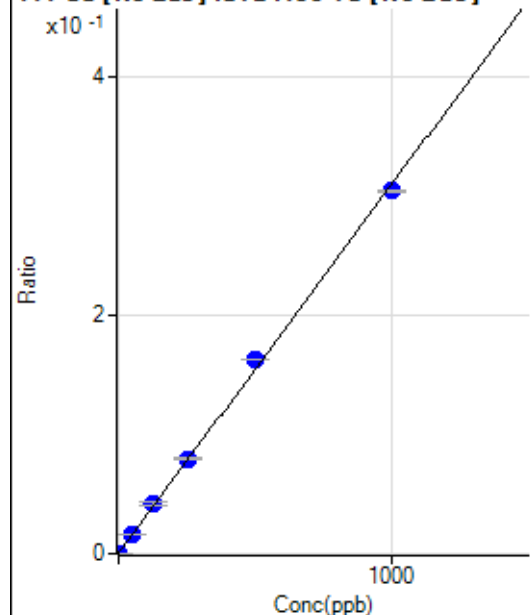
$$R = 0.9994$$

$$DL = 0.005985$$

$$BEC = 0.005537$$

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	1504.35	0.0002	P	7.2
2	☐	0.100					
3	☐	1.000	0.961	3389.26	0.0005	P	5.2
4	☐	50.000	53.301	108308.65	0.0167	P	0.6
5	☐	125.000	135.337	262169.17	0.0420	P	4.6
6	☐	250.000	257.277	510898.66	0.0797	P	0.6
7	☐	500.000	526.991	1051323.35	0.1629	P	0.5
8	☐	1000.000	983.228	1964681.26	0.3038	P	0.3
9	☐			1563.08	0.0003	P	2.6

$$y = 3.0875\text{E-}004 * x + 2.2839\text{E-}004$$

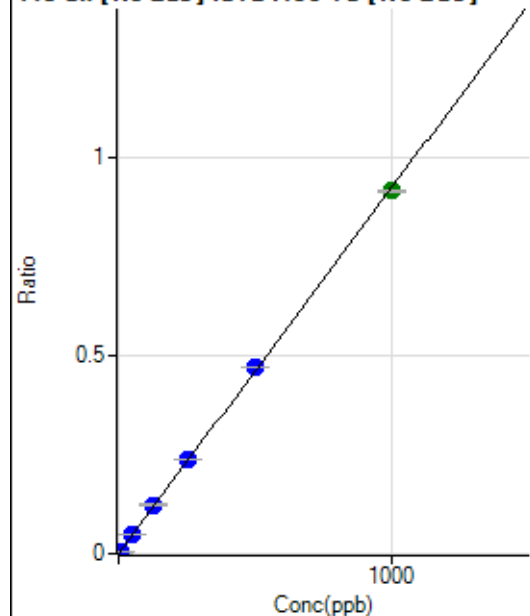
$$R = 0.9994$$

$$DL = 0.16$$

$$BEC = 0.7397$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	455.58	0.0001	P	5.8
2	☐	0.500					
3	☐	5.000	5.111	30985.04	0.0048	P	2.3
4	☐	50.000	52.565	316182.94	0.0487	P	0.1
5	☐	125.000	133.633	771932.35	0.1237	P	5.0
6	☐	250.000	257.349	1527652.66	0.2382	P	0.2
7	☐	500.000	510.192	3046535.46	0.4722	P	0.2
8	☐	1000.000	991.859	5935700.39	0.9178	A	0.6
9	☐			5070.58	0.0008	P	0.8

$$y = 9.2530\text{E-}004 * x + 6.9165\text{E-}005$$

$$R = 0.9999$$

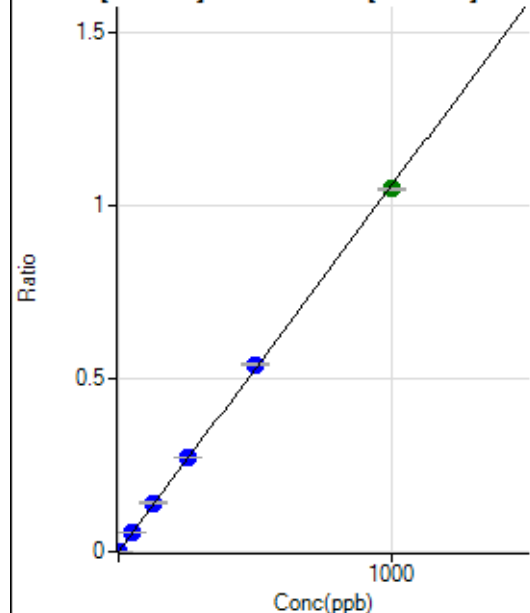
$$DL = 0.01297$$

$$BEC = 0.07475$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	105.56	0.0000	P	11.3
2	☐	0.200					
3	☐	2.000	1.816	12483.85	0.0019	P	1.3
4	☐	50.000	52.112	357277.63	0.0550	P	0.4
5	☐	125.000	133.882	882174.06	0.1414	P	4.7
6	☐	250.000	257.244	1742052.97	0.2716	P	0.6
7	☐	500.000	511.245	3483091.87	0.5398	P	0.8
8	☐	1000.000	991.351	6769317.16	1.0467	A	0.5
9	☐			9623.10	0.0016	P	1.8

$$y = 0.0011 * x + 1.6017E-005$$

$$R = 0.9999$$

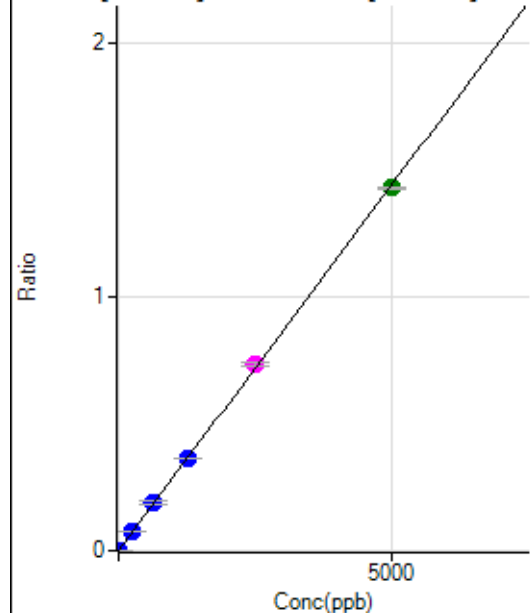
$$DL = 0.00514$$

$$BEC = 0.01517$$

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	16.67	0.0000	P	50.5
2	☐	1.000					
3	☐	10.000	9.765	18154.20	0.0028	P	0.5
4	☐	250.000	258.615	482896.19	0.0744	P	0.6
5	☐	625.000	657.692	1180646.92	0.1892	P	4.2
6	☐	1250.000	1266.207	2335903.94	0.3642	P	0.2
7	☐	2500.000	2554.727	4741188.39	0.7348	M	2.3
8	☐	5000.000	4964.068	9234050.90	1.4279	A	0.2
9	☐			1400.14	0.0002	P	4.4

$$y = 2.8764E-004 * x + 2.5337E-006$$

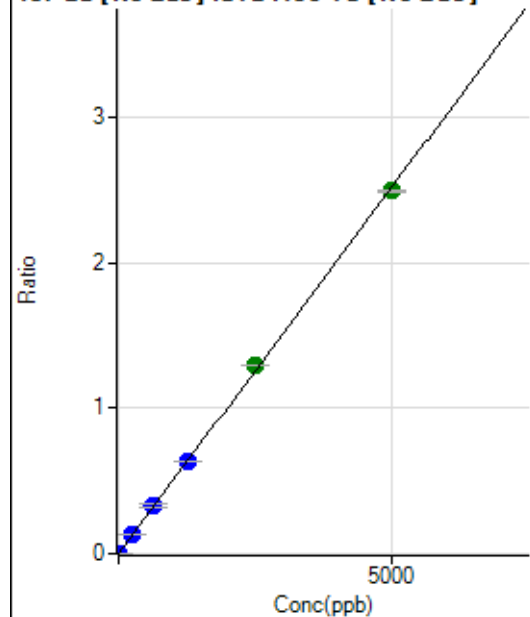
$$R = 0.9999$$

$$DL = 0.01336$$

$$BEC = 0.008809$$

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	36.11	0.0000	P	26.1
2	☐	1.000					
3	☐	10.000	9.762	31817.87	0.0049	P	1.0
4	☐	250.000	258.330	845529.14	0.1303	P	0.3
5	☐	625.000	658.112	2070534.05	0.3318	P	4.7
6	☐	1250.000	1258.387	4069135.77	0.6345	P	0.4
7	☐	2500.000	2574.366	8374968.33	1.2980	A	0.9
8	☐	5000.000	4956.165	16160131.09	2.4989	A	0.6
9	☐			2672.60	0.0004	P	8.0

$$y = 5.0419\text{E-}004 * x + 5.4762\text{E-}006$$

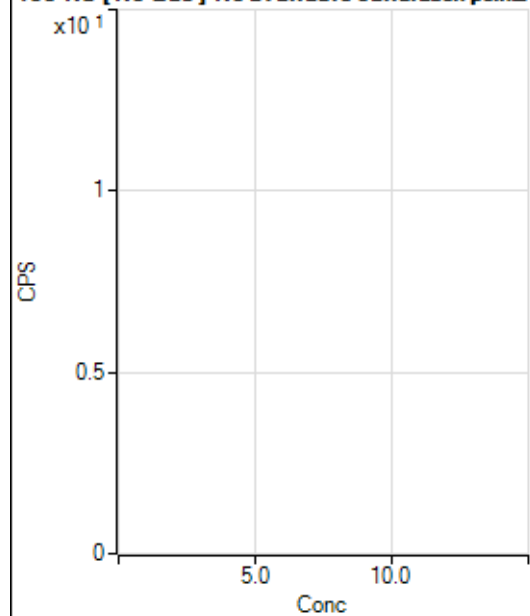
$$R = 0.9998$$

$$DL = 0.008505$$

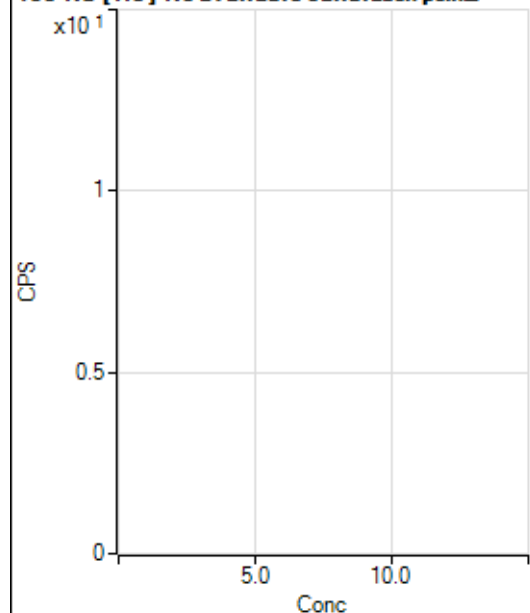
$$BEC = 0.01086$$

Weight: <None>

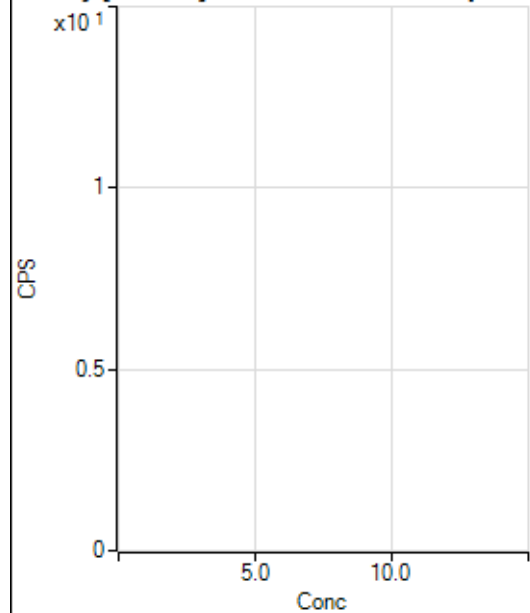
Min Conc: 0

150 Nd [No Gas] No available calibration points

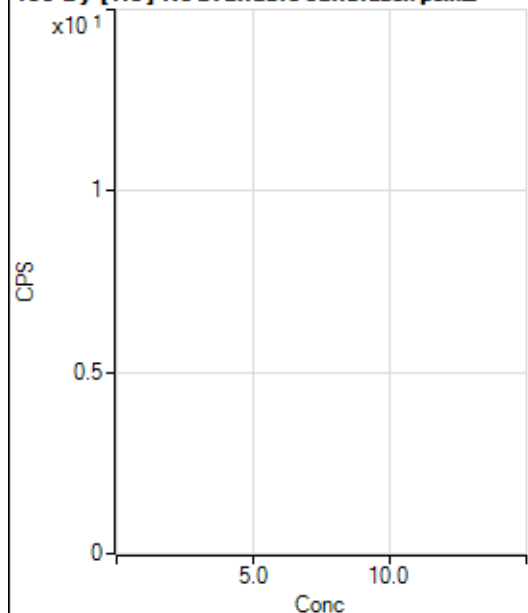
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			0.00		P	
2	☐						
3	☐			4.44		P	173.2
4	☐			40.00		P	44.1
5	☐			120.01		P	11.1
6	☐			253.35		P	12.1
7	☐			462.25		P	9.4
8	☐			806.72		P	5.8
9	☐			140.01		P	29.7

150 Nd [He] No available calibration points

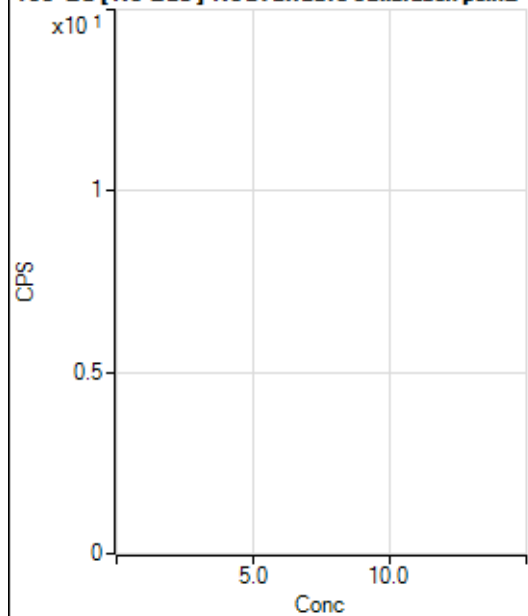
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐						
3	☐			0.00		P	
4	☐			4.45		P	86.6
5	☐			16.67		P	40.0
6	☐			21.11		P	39.7
7	☐			64.45		P	24.4
8	☐			104.45		P	18.4
9	☐			67.78		P	18.6

156 Dy [No Gas] No available calibration points

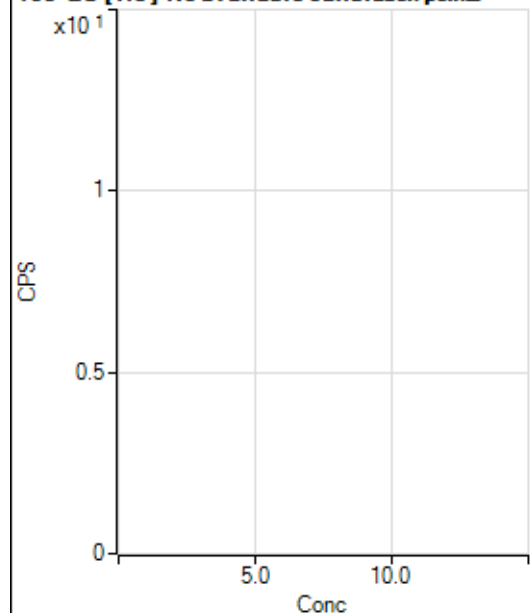
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.78		P	173.2
2	☐						
3	☐			2.78		P	173.2
4	☐			5.55		P	86.6
5	☐			25.00		P	57.7
6	☐			52.78		P	18.2
7	☐			94.45		P	13.5
8	☐			183.34		P	29.8
9	☐			66.67		P	21.6

156 Dy [He] No available calibration points

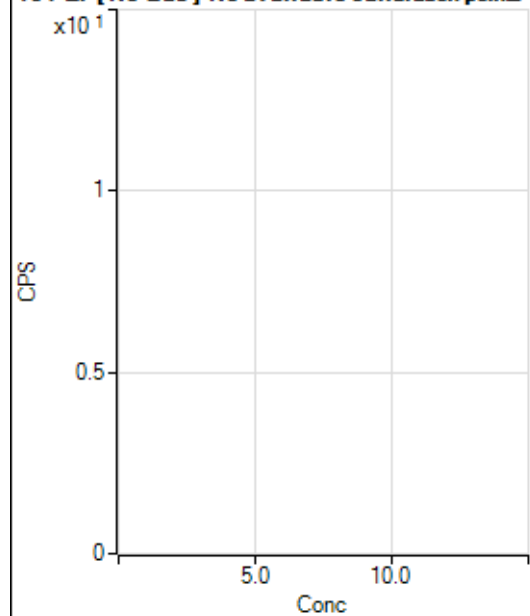
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐						
3	☐			4.44		P	43.4
4	☐			1.11		P	173.2
5	☐			25.56		P	45.8
6	☐			45.56		P	11.2
7	☐			108.89		P	6.4
8	☐			183.34		P	7.3
9	☐			56.67		P	23.5

160 Gd [No Gas] Noavailable calibration poin_

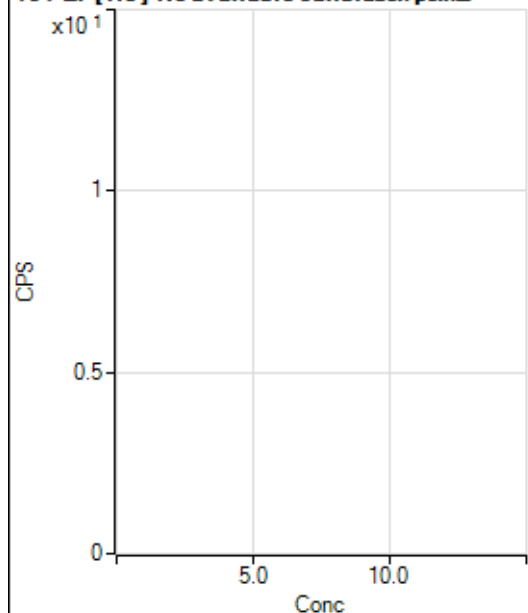
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			38.89		P	53.9
2	☐						
3	☐			33.33		P	25.0
4	☐			38.89		P	44.6
5	☐			25.00		P	66.7
6	☐			44.45		P	28.7
7	☐			33.33		P	43.3
8	☐			72.23		P	26.7
9	☐			111.11		P	45.8

160 Gd [He] No available calibration points

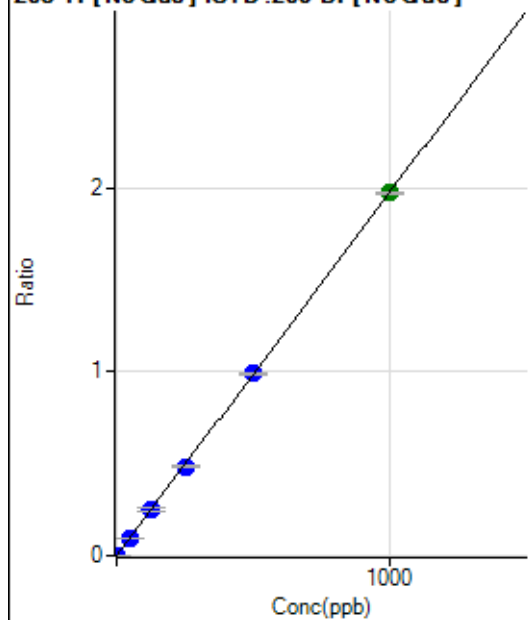
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			93.34		P	6.2
2	☐						
3	☐			88.89		P	12.1
4	☐			104.45		P	6.6
5	☐			75.55		P	14.2
6	☐			83.33		P	28.0
7	☐			93.34		P	21.7
8	☐			125.56		P	31.7
9	☐			122.23		P	15.5

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			30.56		P	31.5
2	☐						
3	☐			11.11		P	114.6
4	☐			16.67		P	50.0
5	☐			19.44		P	65.5
6	☐			27.78		P	45.8
7	☐			30.56		P	41.7
8	☐			41.67		P	0.0
9	☐			47.22		P	10.2

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			7.78		P	24.7
2	☐						
3	☐			5.55		P	69.3
4	☐			18.89		P	62.0
5	☐			8.89		P	57.3
6	☐			10.00		P	33.3
7	☐			12.22		P	41.7
8	☐			22.22		P	22.9
9	☐			28.89		P	29.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	119.45	0.0000	P	16.0
2	☐	0.100					
3	☐	1.000	0.885	7741.45	0.0018	P	2.9
4	☐	50.000	49.118	422263.83	0.0971	P	0.5
5	☐	125.000	126.935	1057838.53	0.2508	P	4.6
6	☐	250.000	246.269	2106092.49	0.4865	P	0.4
7	☐	500.000	502.018	4174467.54	0.9917	P	0.6
8	☐	1000.000	999.726	8066966.24	1.9749	A	0.4
9	☐			1202.89	0.0003	P	7.6

$$y = 0.0020 * x + 2.7195E-005$$

$$R = 1.0000$$

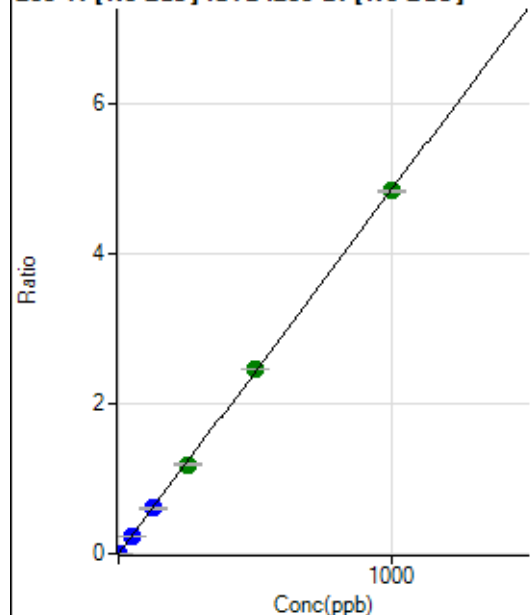
$$DL = 0.006618$$

$$BEC = 0.01377$$

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	275.02	0.0001	P	19.8
2	☐	0.100					
3	☐	1.000	0.874	18772.33	0.0043	P	3.2
4	☐	50.000	48.909	1032334.33	0.2373	P	0.7
5	☐	125.000	125.198	2561703.59	0.6073	P	4.7
6	☐	250.000	245.426	5153262.66	1.1904	A	0.4
7	☐	500.000	508.041	10372414.64	2.4641	A	0.3
8	☐	1000.000	997.153	19755197.66	4.8364	A	0.6
9	☐			3044.92	0.0009	P	3.3

$$y = 0.0049 * x + 6.2600E-005$$

$$R = 0.9999$$

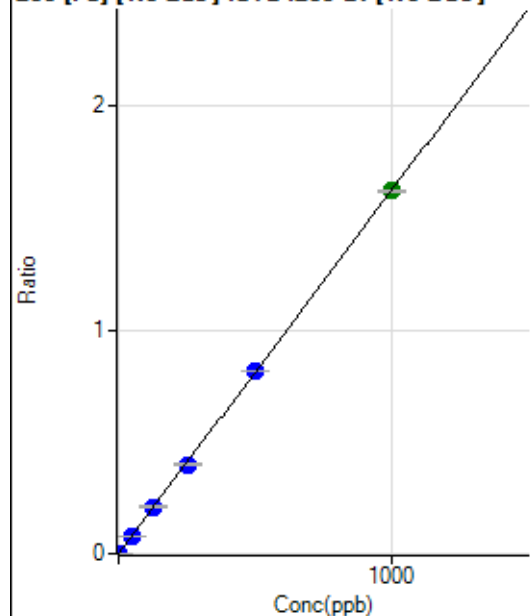
$$DL = 0.007674$$

$$BEC = 0.01291$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	518.55	0.0001	P	17.7
2	☐	0.100					
3	☐	1.000	0.893	6833.44	0.0016	P	1.4
4	☐	50.000	49.848	352169.41	0.0809	P	0.4
5	☐	125.000	128.021	876083.92	0.2077	P	4.8
6	☐	250.000	246.072	1727709.07	0.3991	P	0.6
7	☐	500.000	502.823	3432396.95	0.8154	P	0.1
8	☐	1000.000	999.200	6618383.31	1.6203	A	0.4
9	☐			7665.36	0.0022	P	1.6

$$y = 0.0016 * x + 1.1822E-004$$

$$R = 1.0000$$

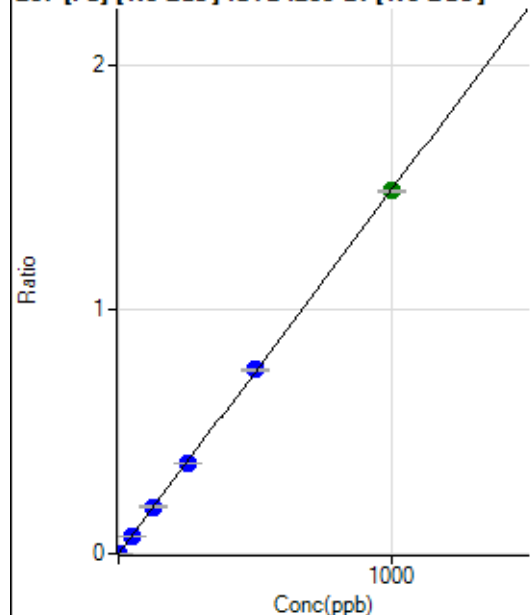
$$DL = 0.03872$$

$$BEC = 0.07291$$

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	481.50	0.0001	P	13.6
2	☐	0.100					
3	☐	1.000	0.861	6073.80	0.0014	P	6.3
4	☐	50.000	49.784	323111.21	0.0743	P	0.2
5	☐	125.000	128.005	804678.29	0.1908	P	5.0
6	☐	250.000	246.707	1591265.23	0.3676	P	0.6
7	☐	500.000	505.556	3170311.27	0.7532	P	0.4
8	☐	1000.000	997.681	6070725.83	1.4862	A	0.5
9	☐			6718.57	0.0019	P	1.9

$$y = 0.0015 * x + 1.0962E-004$$

$$R = 1.0000$$

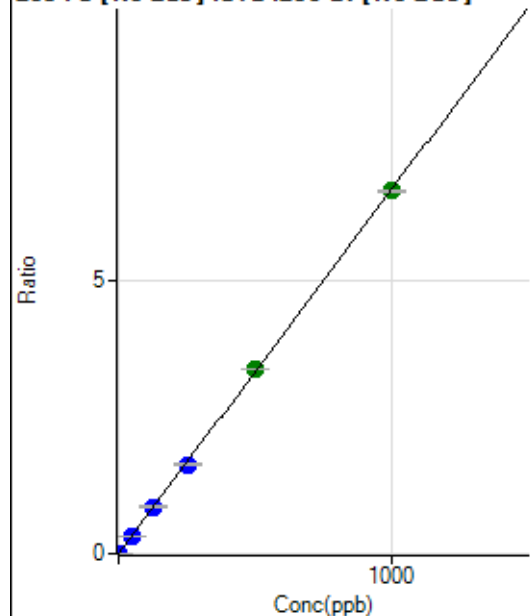
$$DL = 0.02996$$

$$BEC = 0.07359$$

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	2039.01	0.0005	P	3.9
2	☐	0.100					
3	☐	1.000	0.895	28129.30	0.0064	P	1.8
4	☐	50.000	49.799	1451313.81	0.3336	P	0.5
5	☐	125.000	127.631	3602896.34	0.8542	P	5.0
6	☐	250.000	245.439	7109136.27	1.6422	P	0.4
7	☐	500.000	508.919	14331441.21	3.4047	A	0.2
8	☐	1000.000	996.362	27225631.11	6.6653	A	0.4
9	☐			30696.13	0.0087	P	0.9

$$y = 0.0067 * x + 4.6492E-004$$

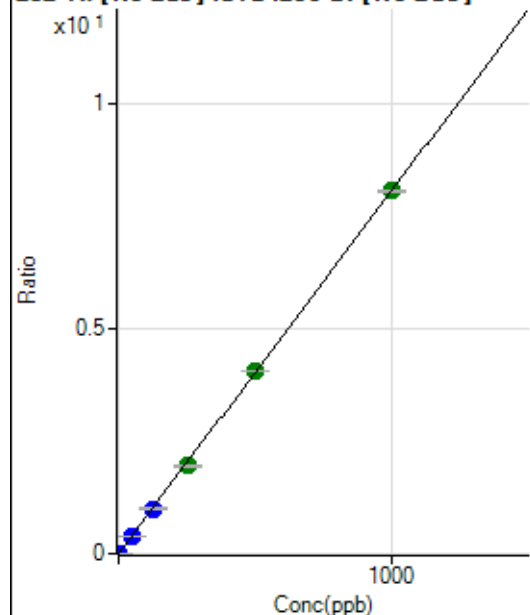
$$R = 0.9999$$

$$DL = 0.008206$$

$$BEC = 0.0695$$

Weight: <None>

Min Conc: 0

232 Th [No Gas] ISTD :209 Bi [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	311.13	0.0001	P	11.4
2	☐	0.100					
3	☐	1.000	0.807	28659.63	0.0066	P	0.5
4	☐	50.000	46.713	1637015.98	0.3763	P	0.3
5	☐	125.000	122.736	4168973.09	0.9885	P	5.3
6	☐	250.000	241.596	8422855.86	1.9457	A	0.5
7	☐	500.000	504.641	17107049.11	4.0641	A	0.2
8	☐	1000.000	1000.228	32903196.11	8.0552	A	0.4
9	☐			12964.20	0.0037	P	12.5

$$y = 0.0081 * x + 7.1024E-005$$

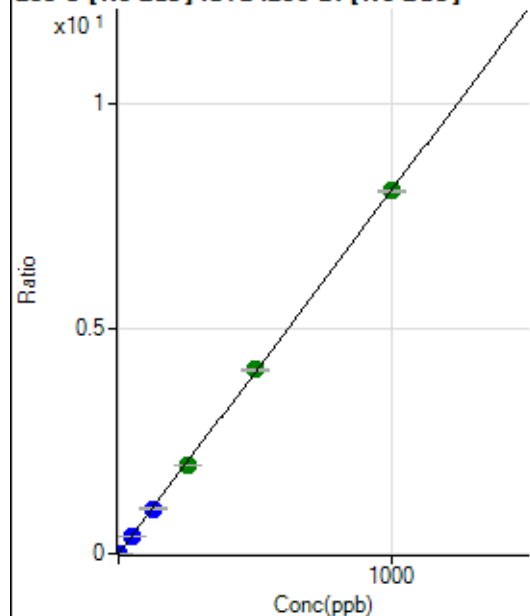
$$R = 0.9999$$

$$DL = 0.003027$$

$$BEC = 0.008819$$

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	141.67	0.0000	P	11.7
2	☐	0.100					
3	☐	1.000	0.839	29707.05	0.0068	P	0.4
4	☐	50.000	47.405	1667045.24	0.3832	P	0.3
5	☐	125.000	123.690	4216635.85	0.9997	P	5.0
6	☐	250.000	242.451	8482492.47	1.9596	A	0.8
7	☐	500.000	506.463	17230013.75	4.0934	A	0.6
8	☐	1000.000	998.950	32979111.85	8.0737	A	0.3
9	☐			2533.69	0.0007	P	13.9

$$y = 0.0081 * x + 3.2303E-005$$

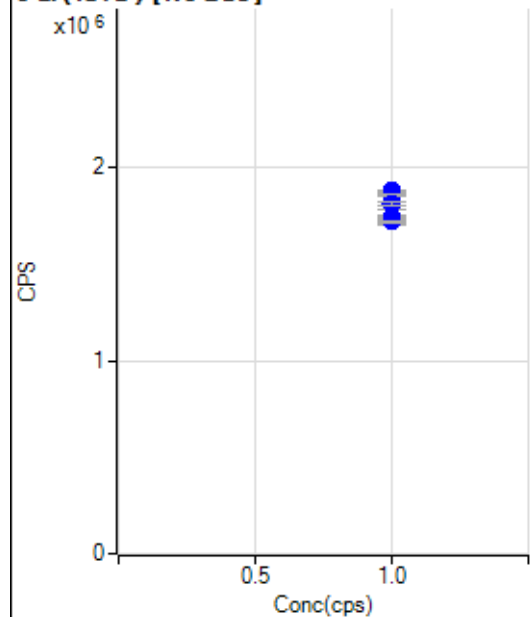
$$R = 0.9999$$

$$DL = 0.001407$$

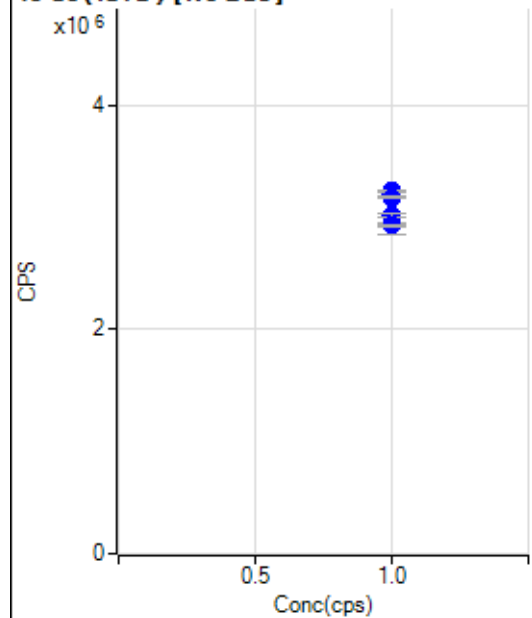
$$BEC = 0.003997$$

Weight: <None>

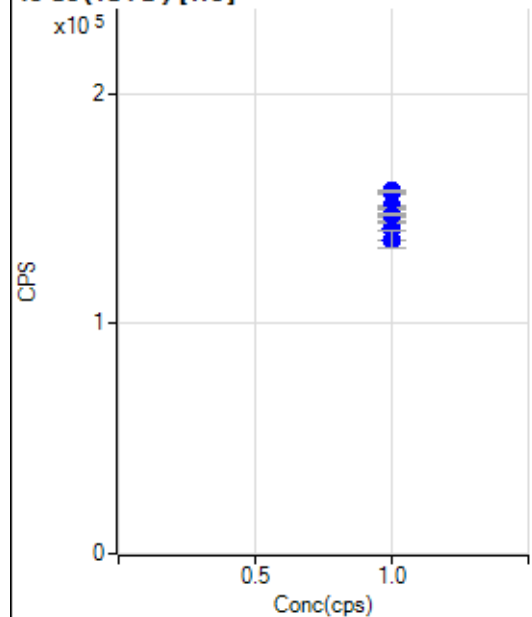
Min Conc: 0

6 Li (ISTD) [No Gas]

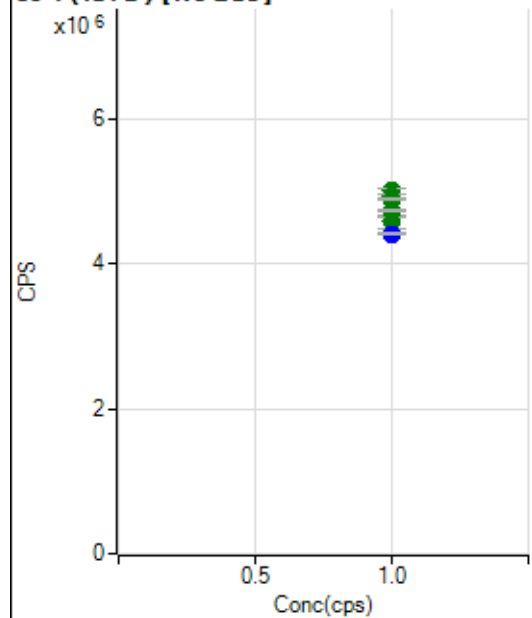
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1865117.66		P	1.3
2	☐	1.000					
3	☐	1.000		1878877.64		P	0.4
4	☐	1.000		1859765.94		P	0.3
5	☐	1.000		1744409.25		P	4.2
6	☐	1.000		1744849.98		P	0.6
7	☐	1.000		1731644.99		P	0.4
8	☐	1.000		1813340.51		P	0.7
9	☐	1.000		1719258.24		P	0.2

45 Sc (ISTD) [No Gas]

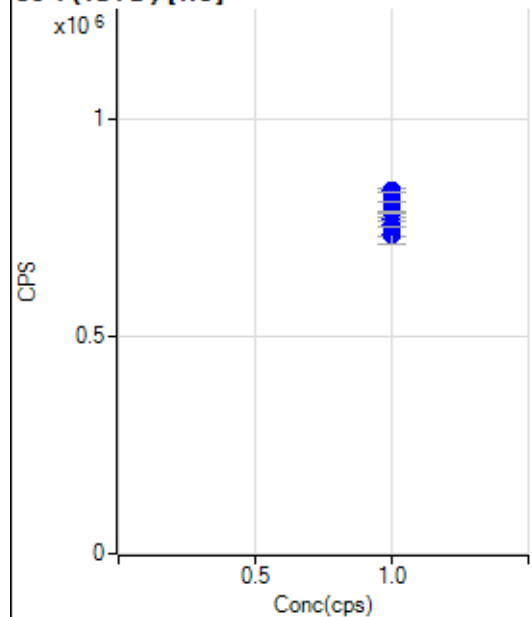
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		3204111.31		P	1.9
2	☐	1.000					
3	☐	1.000		3232545.62		P	0.5
4	☐	1.000		3174426.70		P	0.5
5	☐	1.000		2922012.59		P	5.0
6	☐	1.000		2937910.18		P	0.5
7	☐	1.000		2945299.67		P	0.5
8	☐	1.000		3012995.66		P	1.0
9	☐	1.000		2921426.76		P	0.4

45 Sc (ISTD) [He]

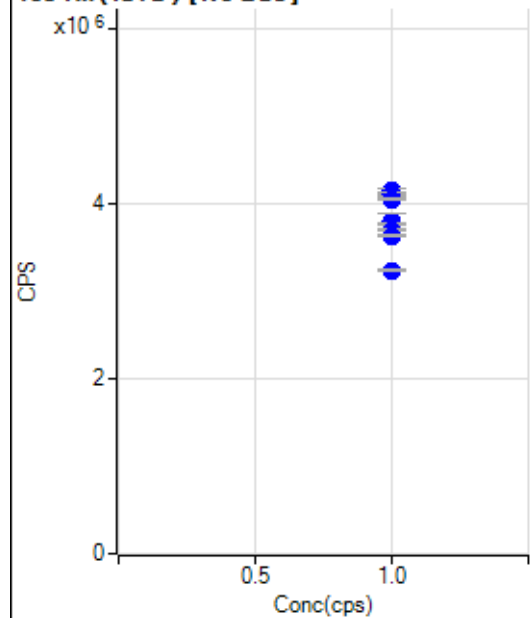
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		156975.84		P	1.1
2	☐	1.000					
3	☐	1.000		157598.44		P	0.2
4	☐	1.000		151277.40		P	0.3
5	☐	1.000		140915.93		P	7.3
6	☐	1.000		136550.71		P	5.8
7	☐	1.000		144131.21		P	0.6
8	☐	1.000		150053.73		P	0.6
9	☐	1.000		147294.68		P	0.3

89 Y (ISTD) [No Gas]

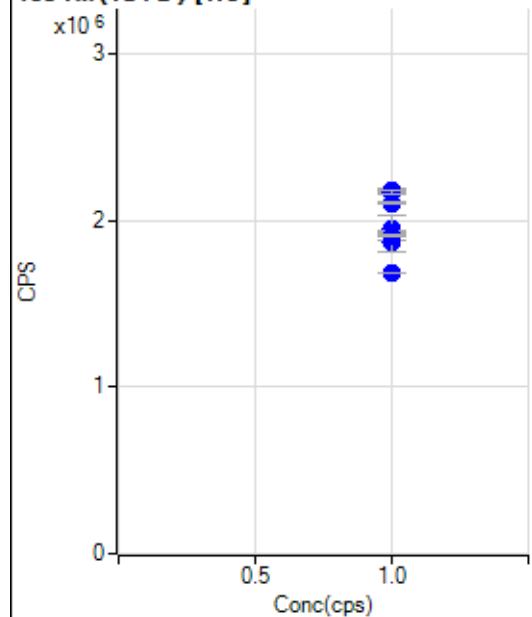
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5003246.73		A	1.3
2	☐	1.000					
3	☐	1.000		4931921.90		A	0.6
4	☐	1.000		4883043.68		A	0.5
5	☐	1.000		4575245.25		A	4.6
6	☐	1.000		4646360.97		M	0.5
7	☐	1.000		4649923.75		A	0.9
8	☐	1.000		4726289.72		A	0.5
9	☐	1.000		4415281.84		P	0.5

89 Y (ISTD) [He]

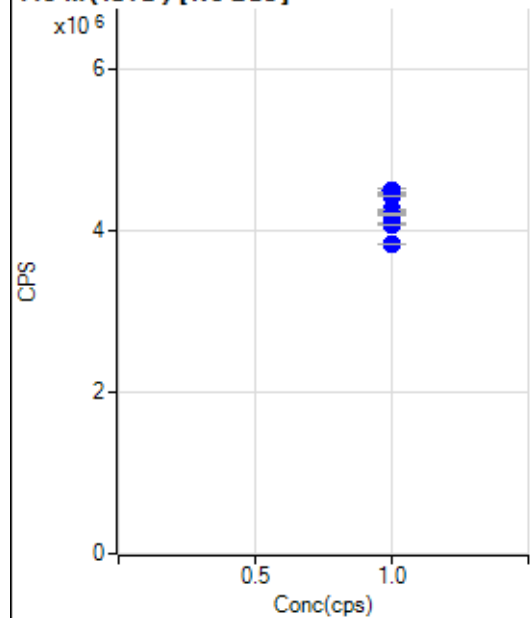
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		834416.83		P	1.0
2	☐	1.000					
3	☐	1.000		832565.47		P	0.1
4	☐	1.000		809728.81		P	0.1
5	☐	1.000		756278.70		P	6.9
6	☐	1.000		732242.47		P	4.9
7	☐	1.000		768699.24		P	0.9
8	☐	1.000		785657.00		P	0.6
9	☐	1.000		752490.28		P	0.1

103 Rh (ISTD) [No Gas]

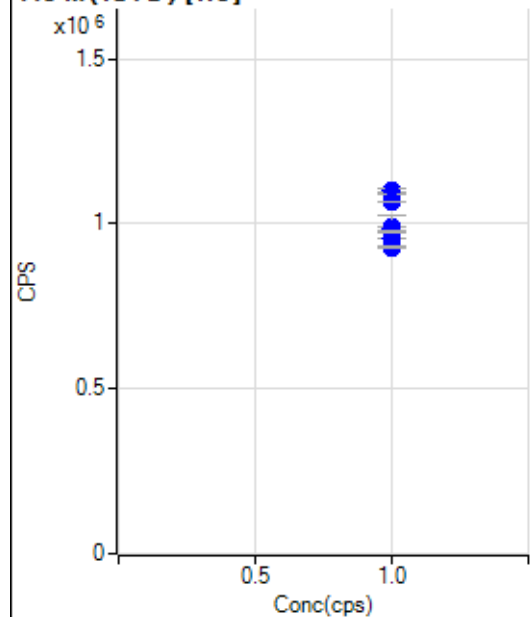
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		4153008.25		P	1.8
2	☐	1.000					
3	☐	1.000		4119663.59		P	0.7
4	☐	1.000		4052020.14		P	0.5
5	☐	1.000		3813471.22		P	4.3
6	☐	1.000		3781078.56		P	0.6
7	☐	1.000		3708626.56		P	0.6
8	☐	1.000		3640545.92		P	0.7
9	☐	1.000		3243324.53		P	0.6

103 Rh (ISTD) [He]

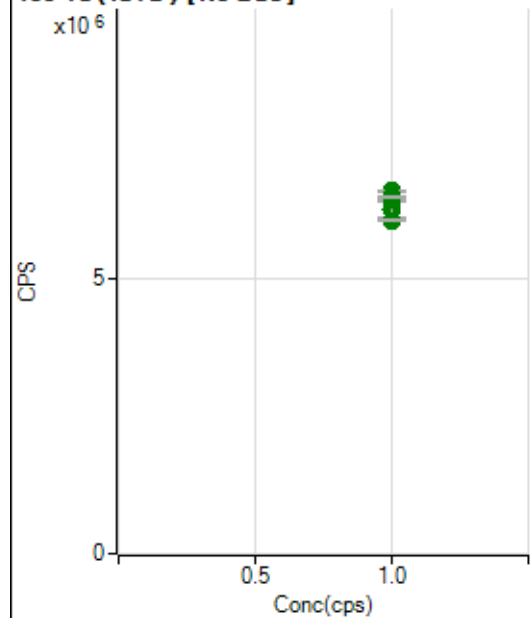
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		2180841.98		P	1.2
2	☐	1.000					
3	☐	1.000		2173621.27		P	0.6
4	☐	1.000		2108639.02		P	0.5
5	☐	1.000		1956718.78		P	7.6
6	☐	1.000		1869926.10		P	5.5
7	☐	1.000		1935827.52		P	0.7
8	☐	1.000		1910017.99		P	0.7
9	☐	1.000		1688407.06		P	0.2

115 In (ISTD) [No Gas]

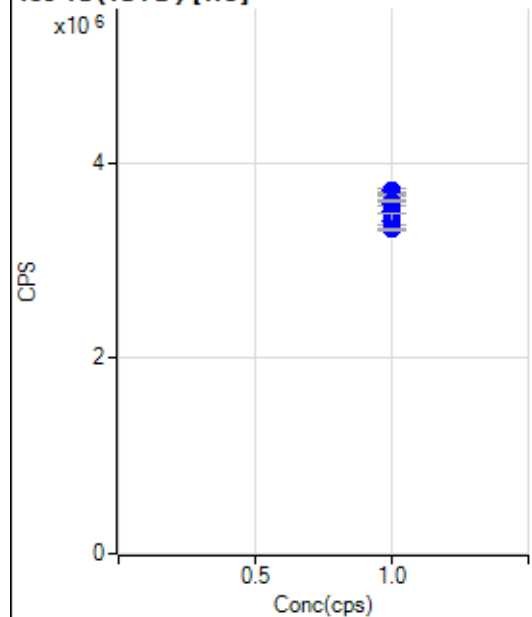
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		4495238.05		P	1.9
2	☐	1.000					
3	☐	1.000		4478443.04		P	0.6
4	☐	1.000		4437164.64		P	0.2
5	☐	1.000		4191692.99		M	4.0
6	☐	1.000		4259130.41		P	0.4
7	☐	1.000		4201466.10		P	0.6
8	☐	1.000		4070457.03		P	0.2
9	☐	1.000		3836518.35		P	0.4

115 In (ISTD) [He]

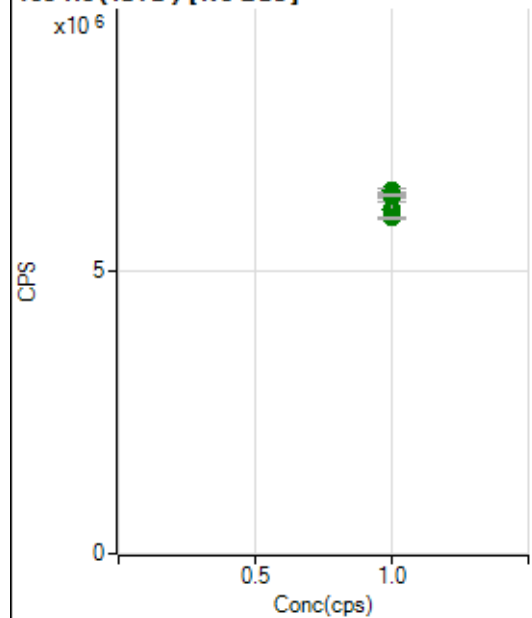
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1099651.59		P	1.1
2	☐	1.000					
3	☐	1.000		1092364.83		P	0.0
4	☐	1.000		1067126.03		P	0.3
5	☐	1.000		991547.21		P	7.2
6	☐	1.000		953349.19		P	5.7
7	☐	1.000		983882.31		P	1.1
8	☐	1.000		977661.36		P	0.5
9	☐	1.000		928871.07		P	0.5

159 Tb (ISTD) [No Gas]

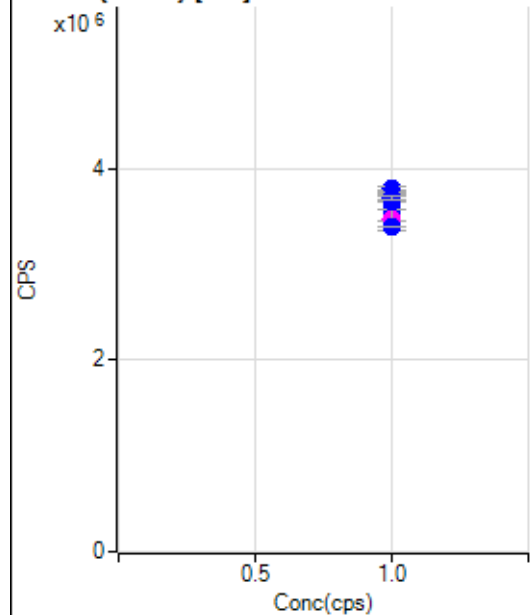
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		6586782.12		A	0.8
2	☐	1.000					
3	☐	1.000		6457580.46		A	0.6
4	☐	1.000		6491386.43		A	0.2
5	☐	1.000		6248579.28		A	4.4
6	☐	1.000		6413545.88		A	1.0
7	☐	1.000		6452512.75		A	0.7
8	☐	1.000		6467127.82		A	0.6
9	☐	1.000		6048061.30		A	0.6

159 Tb (ISTD) [He]

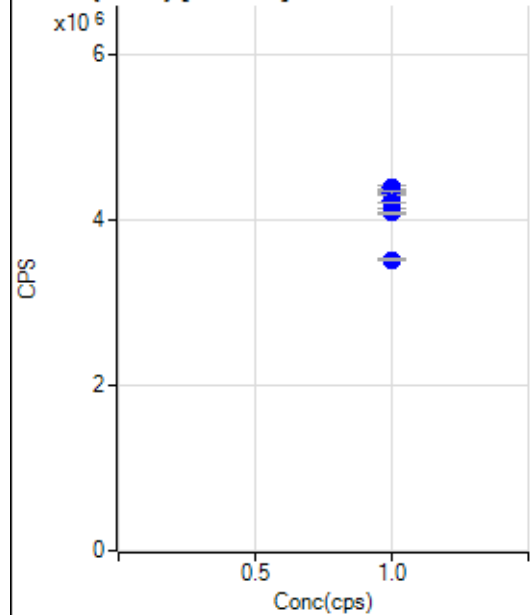
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		3713900.19		P	1.4
2	☐	1.000					
3	☐	1.000		3694291.68		P	0.2
4	☐	1.000		3665556.58		P	0.5
5	☐	1.000		3500420.85		P	7.3
6	☐	1.000		3398150.05		P	5.4
7	☐	1.000		3581470.40		P	1.0
8	☐	1.000		3607345.46		P	0.7
9	☐	1.000		3318205.99		P	0.2

165 Ho (ISTD) [No Gas]

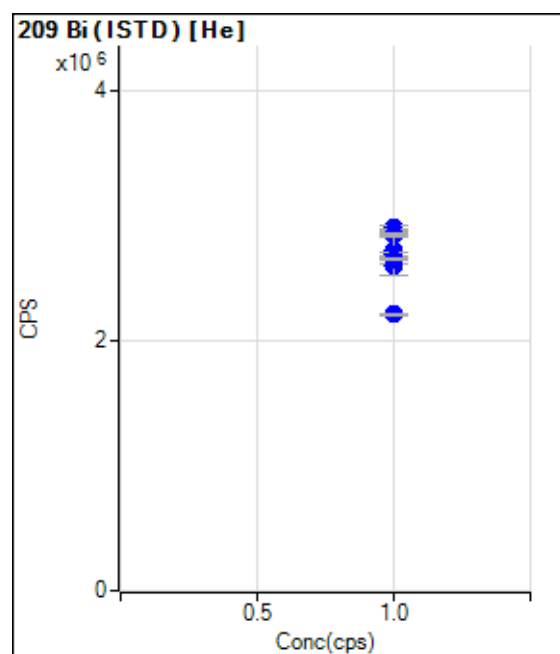
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		6429954.35		A	1.0
2	☐	1.000					
3	☐	1.000		6303802.31		A	0.3
4	☐	1.000		6315688.99		A	0.4
5	☐	1.000		6096175.31		A	4.1
6	☐	1.000		6330938.64		A	0.6
7	☐	1.000		6326800.27		A	0.5
8	☐	1.000		6359421.97		A	0.3
9	☐	1.000		5955650.04		A	0.3

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		3790885.43		P	1.1
2	☐	1.000					
3	☐	1.000		3757084.25		P	0.6
4	☐	1.000		3745287.86		P	0.1
5	☐	1.000		3583722.28		P	7.7
6	☐	1.000		3470676.96		M	6.1
7	☐	1.000		3664845.53		P	0.6
8	☐	1.000		3703579.56		P	0.9
9	☐	1.000		3396310.33		P	0.1

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		4385770.87		P	1.7
2	☐	1.000					
3	☐	1.000		4362263.54		P	0.5
4	☐	1.000		4350751.43		P	0.4
5	☐	1.000		4224214.24		P	4.6
6	☐	1.000		4329006.92		P	1.0
7	☐	1.000		4209316.15		P	0.4
8	☐	1.000		4084741.71		P	0.5
9	☐	1.000		3514214.46		P	0.6



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		2903440.41		P	0.9
2	☐	1.000					
3	☐	1.000		2884321.07		P	0.2
4	☐	1.000		2851730.58		P	0.4
5	☐	1.000		2721694.61		P	7.5
6	☐	1.000		2603756.38		P	5.6
7	☐	1.000		2694733.78		P	0.9
8	☐	1.000		2653690.65		P	0.7
9	☐	1.000		2209993.58		P	0.5