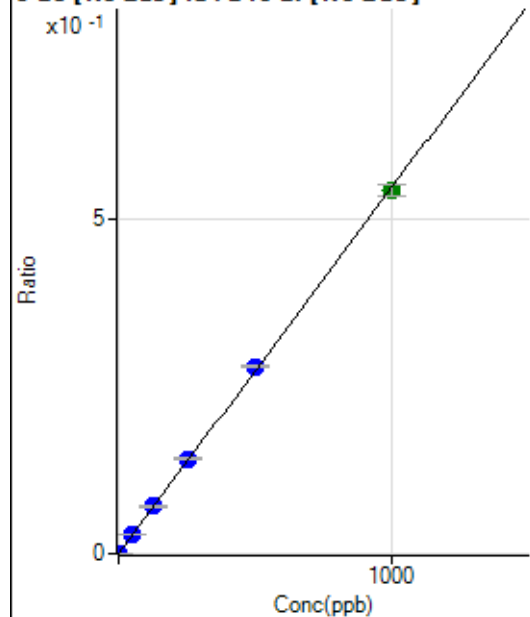


Calibration for 006CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7021423MS.b\
 Analysis File: P7021423MS.batch.bin
 DA Date-Time: 2023-02-14 16:11:07
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2023-02-14 11:49:12
2	006CALS.d	S02	2023-02-14 11:54:55
3	007CALS.d	S03	2023-02-14 11:57:46
4	008CALS.d	S04	2023-02-14 12:00:32
5	009CALS.d	S05	2023-02-14 12:03:16
6	010CALS.d	S06	2023-02-14 12:06:02
7	011CALS.d	S07	2023-02-14 12:08:46
8	012CALS.d	S08	2023-02-14 12:11:33

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.11	0.0000	P	32.2
2	☐	1.000	1.080	1740.11	0.0006	P	9.8
3	☐	50.000	50.939	80704.78	0.0279	P	1.9
4	☐	125.000	129.376	195782.86	0.0709	P	4.1
5	☐	250.000	258.565	379179.42	0.1416	P	1.9
6	☐	500.000	511.001	716173.74	0.2798	P	1.1
7	☐	1000.000	991.764	1362079.23	0.5431	A	3.1
8	☐			646.69	0.0003	P	4.0

$$y = 5.4755\text{E-}004 * x + 1.1054\text{E-}005$$

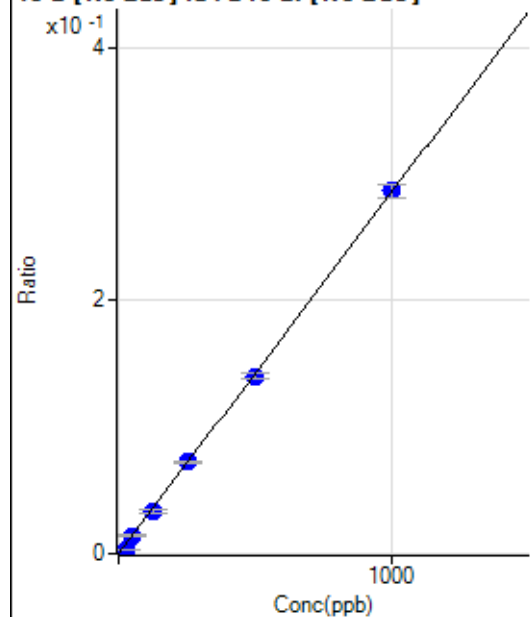
$$R = 0.9999$$

$$DL = 0.01949$$

$$BEC = 0.02019$$

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	133.34	0.0000	P	25.4
2	☐	25.000	8.557	7207.41	0.0025	P	7.3
3	☐	50.000	49.525	41038.38	0.0142	P	5.7
4	☐	125.000	117.752	93049.17	0.0337	P	7.0
5	☐	250.000	253.526	194171.51	0.0725	P	2.4
6	☐	500.000	491.803	359635.04	0.1405	P	2.9
7	☐	1000.000	1004.558	720045.60	0.2869	P	4.0
8	☐			18052.57	0.0079	P	12.5

$$y = 2.8559\text{E-}004 * x + 4.7482\text{E-}005$$

$$R = 0.9998$$

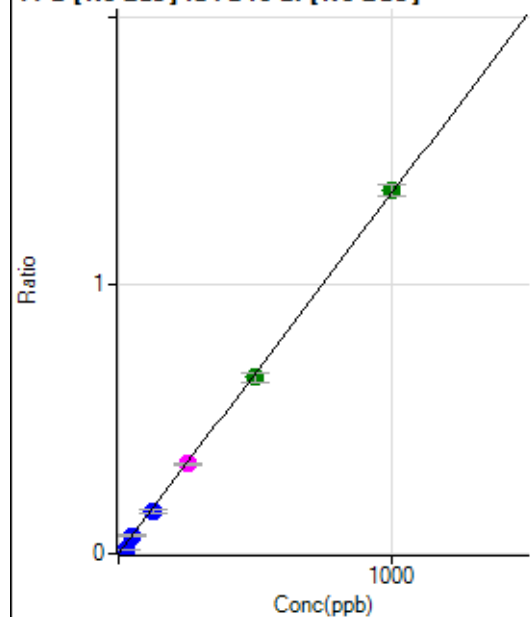
$$DL = 0.1267$$

$$BEC = 0.1663$$

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	811.15	0.0003	P	7.0
2	☐	25.000	8.666	34494.56	0.0119	P	5.9
3	☐	50.000	49.521	193124.57	0.0668	P	6.1
4	☐	125.000	116.883	434473.79	0.1572	P	6.5
5	☐	250.000	249.026	896736.93	0.3347	M	2.6
6	☐	500.000	489.564	1683650.31	0.6577	A	5.1
7	☐	1000.000	1006.908	3392850.18	1.3524	A	3.1
8	☐			86646.35	0.0380	P	13.6

$$y = 0.0013 * x + 2.8979E-004$$

$$R = 0.9998$$

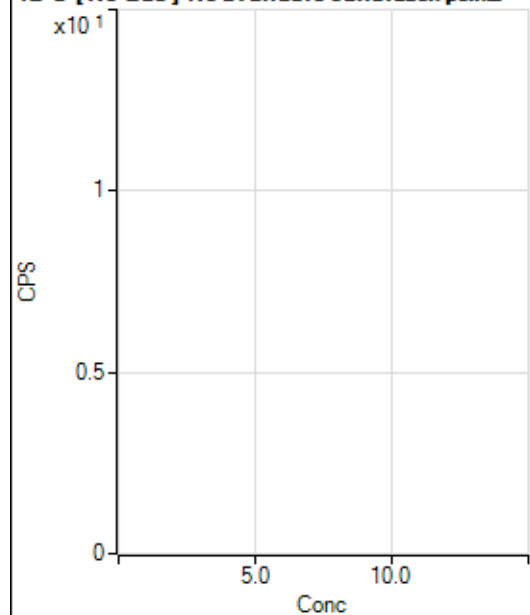
$$DL = 0.04525$$

$$BEC = 0.2158$$

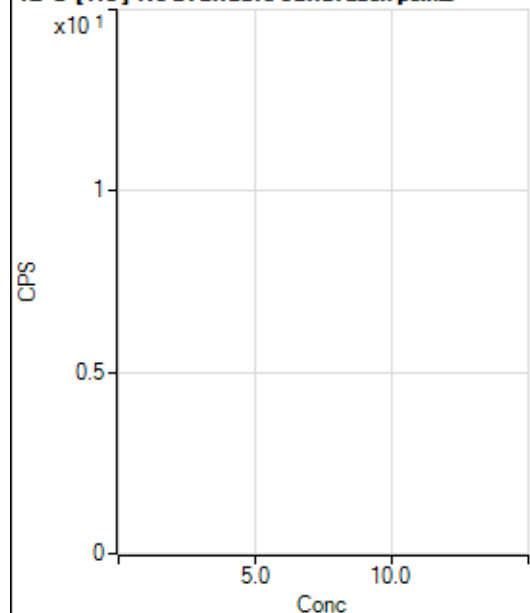
Weight: <None>

Min Conc: 0

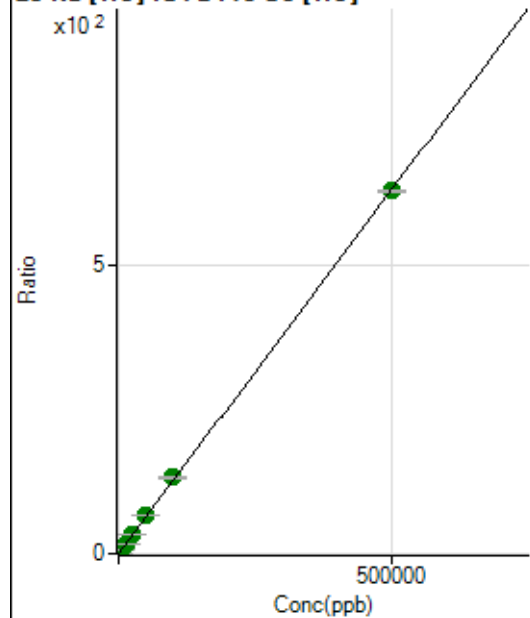
12 C [No Gas] No available calibration points



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

12 C [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	11799.16	0.0272	P	3.6
2	☐	500.000	498.567	288807.45	0.6570	P	0.7
3	☐	5000.000	5111.388	2811247.75	6.4838	A	0.4
4	☐	12500.000	13313.236	6876034.99	16.8443	A	0.9
5	☐	25000.000	26764.140	13422864.42	33.8353	A	1.9
6	☐	50000.000	52677.973	26265630.68	66.5694	A	0.6
7	☐	100000.00	104508.55	52007653.48	132.0412	A	0.7
8	☐	500000.00	498720.84	245003098.0	630.0055	A	0.8

$$y = 0.0013 * x + 0.0272$$

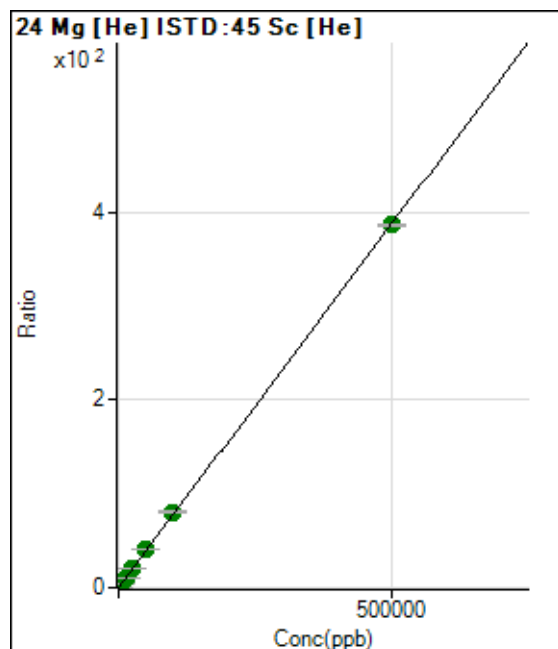
$$R = 0.9999$$

$$DL = 2.32$$

$$BEC = 21.51$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	350.01	0.0008	P	17.2
2	☐	500.000	507.100	173283.69	0.3942	P	0.7
3	☐	5000.000	5194.358	1747422.46	4.0301	A	0.8
4	☐	12500.000	13539.967	4287897.52	10.5039	A	0.5
5	☐	25000.000	26912.194	8282796.60	20.8770	A	0.5
6	☐	50000.000	52797.881	16160415.76	40.9568	A	0.5
7	☐	100000.00	103821.86	31719626.63	80.5369	A	1.3
8	☐	500000.00	498832.27	150482305.2	386.9519	A	0.4

$$y = 7.7571\text{E-}004 * x + 8.0655\text{E-}004$$

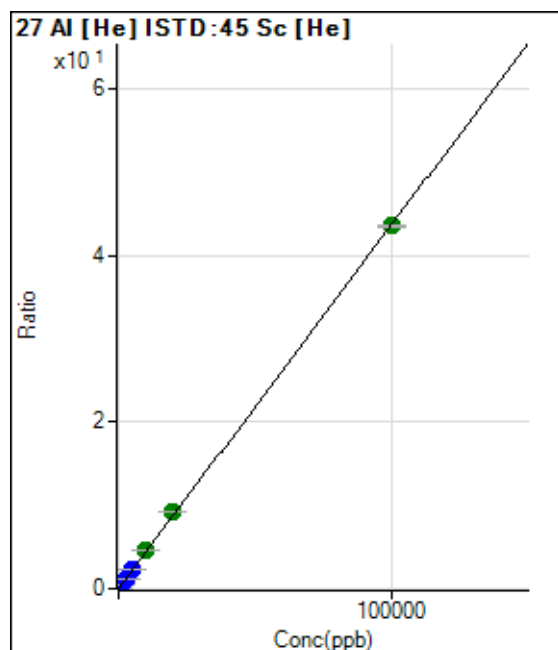
$$R = 1.0000$$

$$DL = 0.5362$$

$$BEC = 1.04$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	337.05	0.0008	P	16.6
2	☐	20.000	19.194	4024.66	0.0092	P	3.7
3	☐	1000.000	1038.661	196921.55	0.4542	P	0.7
4	☐	2500.000	2715.296	484204.87	1.1861	P	0.3
5	☐	5000.000	5380.411	932114.95	2.3496	P	1.5
6	☐	10000.000	10608.669	1827608.78	4.6319	A	0.7
7	☐	20000.000	21005.537	3612062.23	9.1707	A	0.9
8	☐	100000.00	99713.236	16928816.00	43.5302	A	0.6

$$y = 4.3655\text{E-}004 * x + 7.7590\text{E-}004$$

$$R = 0.9999$$

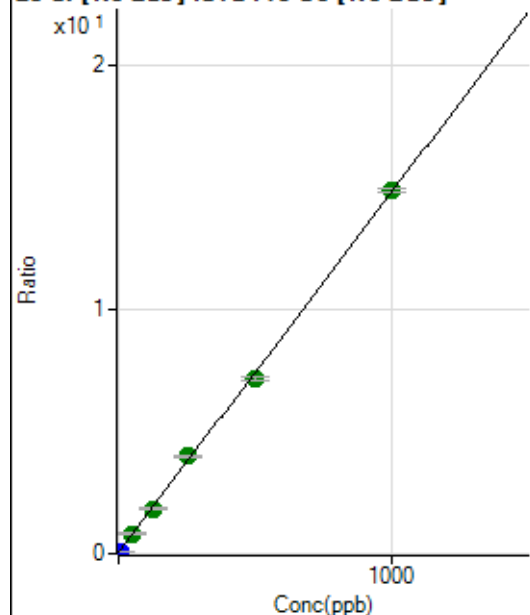
$$DL = 0.8853$$

$$BEC = 1.777$$

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	273731.98	0.0534	P	4.2
2	☐	10.000	0.254	304825.57	0.0571	P	1.2
3	☐	50.000	52.417	4412769.98	0.8249	A	2.8
4	☐	125.000	120.591	9198392.39	1.8283	A	3.5
5	☐	250.000	267.285	19008480.81	3.9873	A	1.0
6	☐	500.000	484.303	34047294.51	7.1814	A	2.2
7	☐	1000.000	1004.055	70935753.67	14.8313	A	1.2
8	☐			698235.00	0.1505	P	3.6

$$y = 0.0147 * x + 0.0534$$

$$R = 0.9996$$

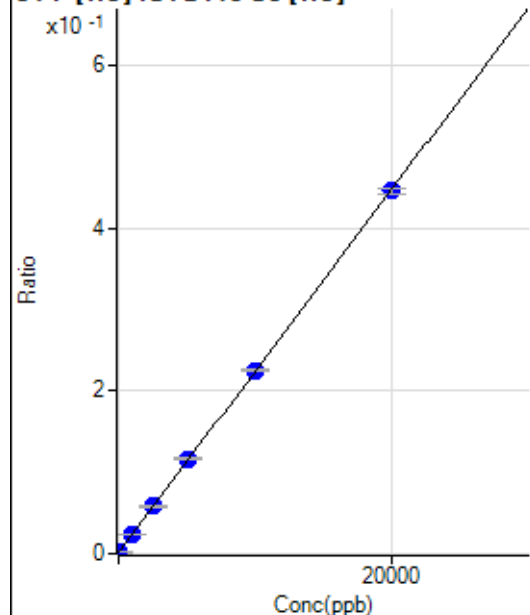
$$DL = 0.4571$$

$$BEC = 3.626$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-10.645	422.24	0.0010	P	4.9
2	☐	0.000	10.645	636.14	0.0014	P	12.3
3	☐	1000.000	1019.824	10384.34	0.0240	P	1.0
4	☐	2500.000	2573.091	23919.13	0.0586	P	2.8
5	☐	5000.000	5152.450	46058.87	0.1161	P	2.5
6	☐	10000.000	10036.855	88790.15	0.2250	P	0.5
7	☐	20000.000	19933.332	175542.50	0.4457	P	1.6
8	☐			477.80	0.0012	P	3.8

$$y = 2.2300E-005 * x + 0.0012$$

$$R = 1.0000$$

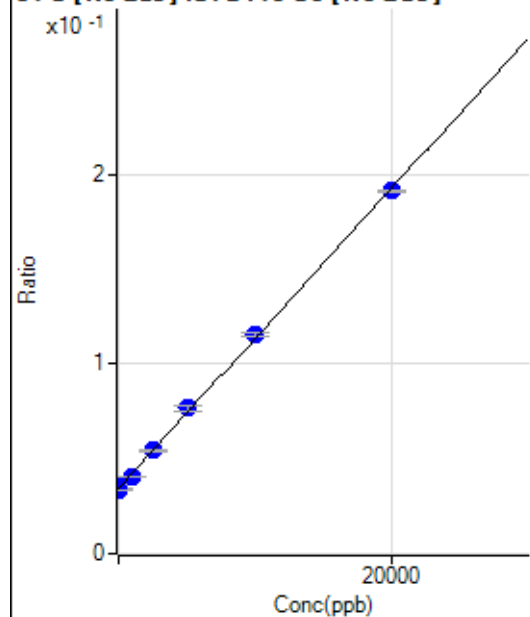
$$DL = 15.17$$

$$BEC = 54.25$$

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	109.742	181327.53	0.0354	P	4.7
2	☐	0.000	-109.742	179475.59	0.0336	P	1.8
3	☐	1000.000	794.604	218160.30	0.0408	P	1.1
4	☐	2500.000	2521.702	273856.39	0.0544	P	2.0
5	☐	5000.000	5317.789	364678.47	0.0765	P	3.4
6	☐	10000.000	10223.961	546722.44	0.1153	P	1.8
7	☐	20000.000	19816.129	914127.96	0.1911	P	0.6
8	☐			162911.97	0.0352	P	2.9

$$y = 7.9044\text{E-}006 * x + 0.0345$$

$$R = 0.9996$$

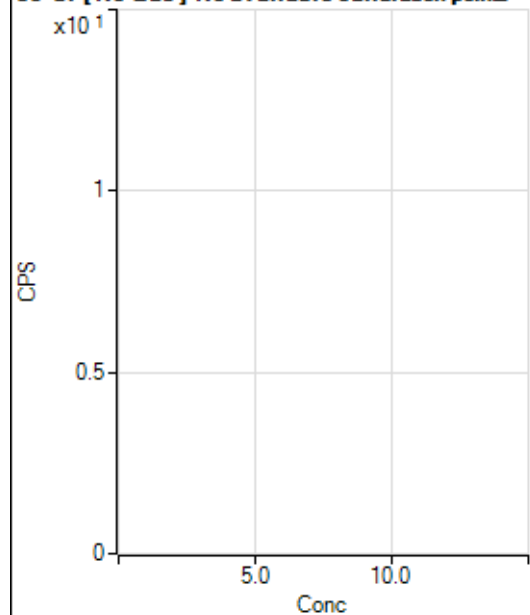
$$DL = 429.5$$

$$BEC = 4364$$

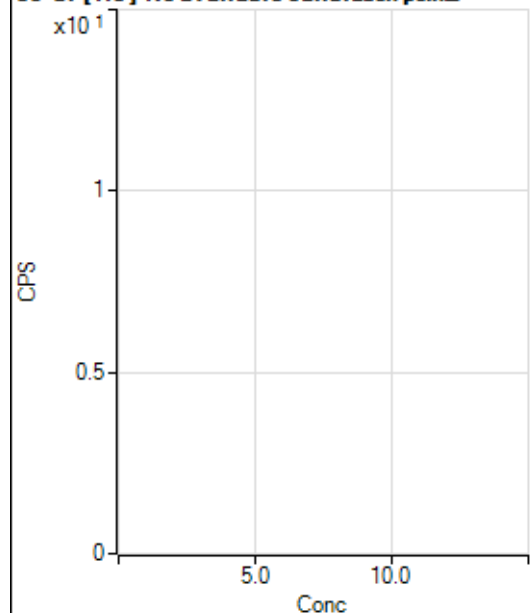
Weight: <None>

Min Conc: 0

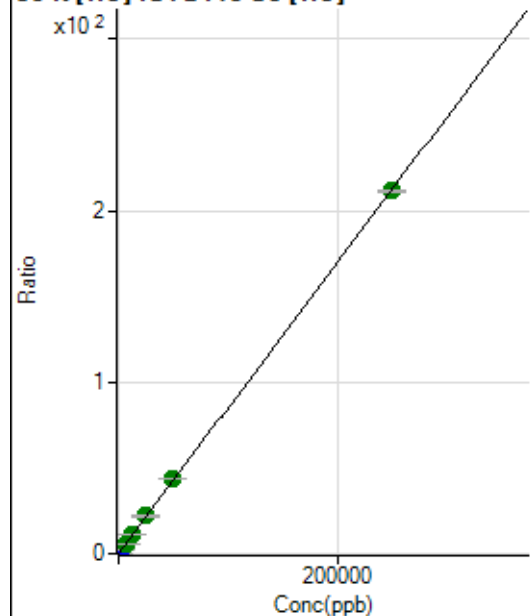
35 Cl [No Gas] No available calibration points



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

35 Cl [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	30959.79	0.0713	P	2.1
2	☐	500.000	530.732	229012.31	0.5209	P	0.8
3	☐	2500.000	2707.888	1025590.59	2.3655	P	0.7
4	☐	6250.000	6537.172	2290178.15	5.6098	A	1.5
5	☐	12500.000	12963.006	4385244.50	11.0539	A	1.5
6	☐	25000.000	25757.211	8638361.74	21.8935	A	0.4
7	☐	50000.000	51676.264	17272899.52	43.8529	A	0.8
8	☐	250000.00	249556.55	82252183.78	211.5028	A	0.7

$$y = 8.4723\text{E-}004 * x + 0.0713$$

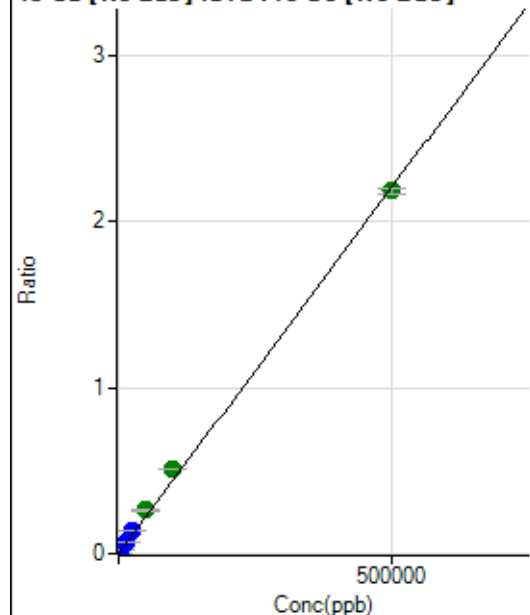
$$R = 1.0000$$

$$DL = 5.314$$

$$BEC = 84.14$$

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	141.67	0.0000	P	28.7
2	☐	500.000	513.182	12238.56	0.0023	P	4.8
3	☐	5000.000	5923.077	139987.52	0.0262	P	2.4
4	☐	12500.000	15355.920	341101.83	0.0678	P	3.2
5	☐	25000.000	31666.109	666409.40	0.1398	P	0.3
6	☐	50000.000	59196.275	1238639.95	0.2613	A	2.4
7	☐	100000.00	115197.31	2431778.46	0.5084	A	1.4
8	☐	500000.00	495626.96	10140129.05	2.1873	A	1.4

$$y = 4.4131\text{E-}006 * x + 2.7609\text{E-}005$$

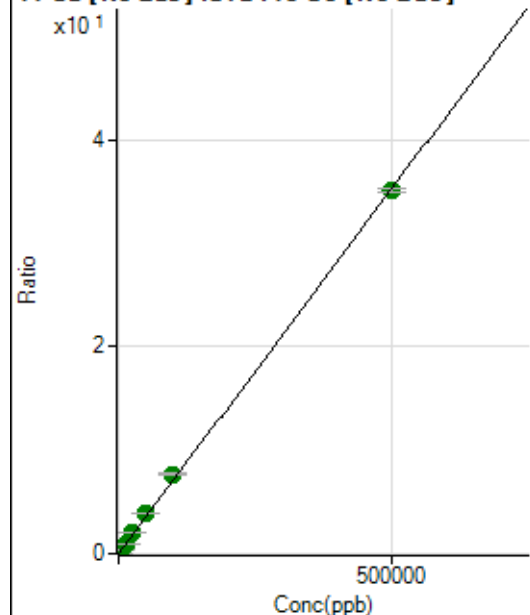
$$R = 0.9994$$

$$DL = 5.396$$

$$BEC = 6.256$$

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	4625.84	0.0009	P	6.2
2	☐	500.000	521.793	201201.22	0.0377	P	2.6
3	☐	5000.000	5346.449	2021379.45	0.3779	A	3.0
4	☐	12500.000	13838.892	4913555.23	0.9766	A	4.1
5	☐	25000.000	28322.600	9523781.20	1.9979	A	1.5
6	☐	50000.000	55419.656	18536168.82	3.9084	A	0.8
7	☐	100000.00	108811.59	36702483.11	7.6729	A	1.5
8	☐	500000.00	497492.62	162617391.1	35.0778	A	1.0

$$y = 7.0507\text{E-}005 * x + 9.0231\text{E-}004$$

$$R = 0.9998$$

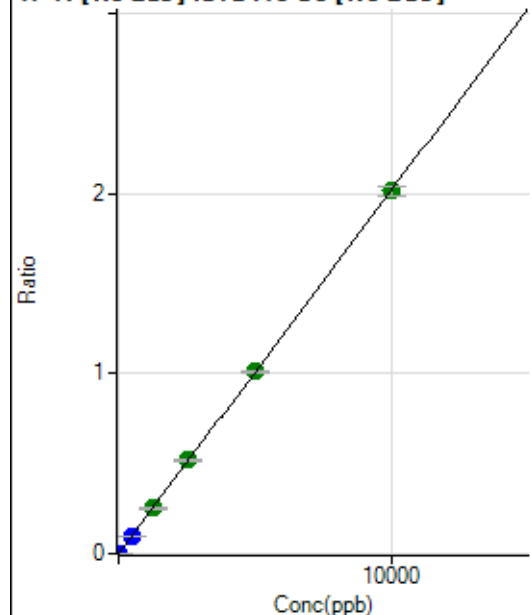
$$DL = 2.379$$

$$BEC = 12.8$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	94.45	0.0000	P	21.7
2	☐	5.000	4.873	5348.30	0.0010	P	2.2
3	☐	500.000	482.449	521094.96	0.0974	P	2.9
4	☐	1250.000	1245.460	1265024.97	0.2514	A	3.6
5	☐	2500.000	2569.992	2473470.24	0.5188	A	1.3
6	☐	5000.000	5005.725	4793188.78	1.0105	A	0.5
7	☐	10000.000	9981.084	9639335.02	2.0149	A	2.6
8	☐			4495.24	0.0010	P	13.7

$$y = 2.0187E-004 * x + 1.8488E-005$$

$$R = 1.0000$$

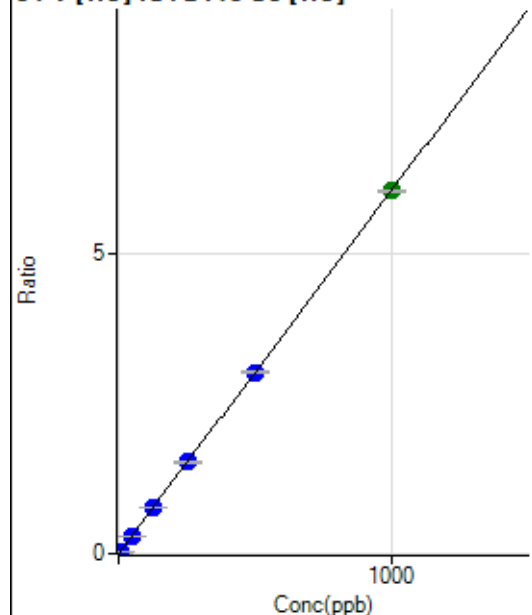
$$DL = 0.05959$$

$$BEC = 0.09158$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	6.67	0.0000	P	0.8
2	☐	5.000	4.895	13042.38	0.0297	P	0.2
3	☐	50.000	47.978	126009.00	0.2906	P	0.6
4	☐	125.000	126.422	312625.83	0.7658	P	0.1
5	☐	250.000	252.069	605762.47	1.5269	P	1.1
6	☐	500.000	500.271	1195686.22	3.0304	P	0.5
7	☐	1000.000	999.271	2384153.87	6.0531	A	0.8
8	☐			987.82	0.0025	P	8.5

$$y = 0.0061 * x + 1.5359E-005$$

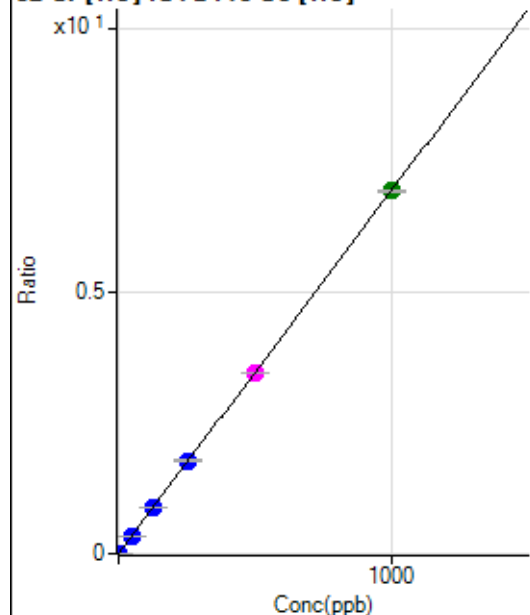
$$R = 1.0000$$

$$DL = 6.289E-05$$

$$BEC = 0.002536$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	976.71	0.0022	P	2.5
2	☐	2.000	1.923	6836.06	0.0155	P	2.1
3	☐	50.000	49.419	149137.71	0.3440	P	1.1
4	☐	125.000	129.163	365535.28	0.8954	P	0.3
5	☐	250.000	256.234	703835.14	1.7741	P	0.8
6	☐	500.000	497.610	1358593.03	3.4432	M	0.4
7	☐	1000.000	999.145	2722315.48	6.9114	A	0.4
8	☐			24494.41	0.0630	P	1.2

$$y = 0.0069 * x + 0.0022$$

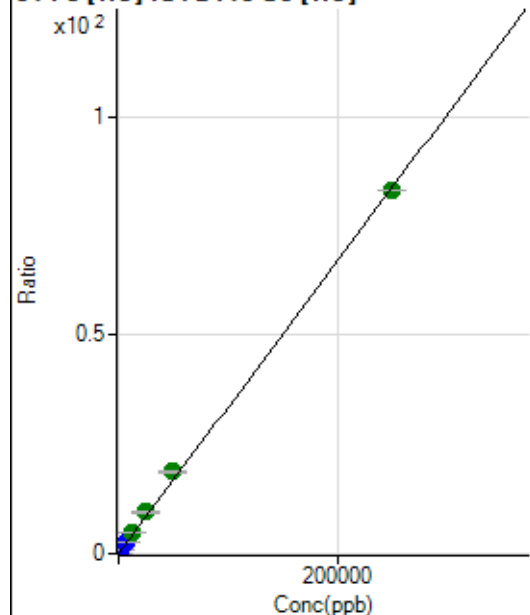
$$R = 1.0000$$

$$DL = 0.02415$$

$$BEC = 0.3253$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1996.20	0.0046	P	5.1
2	☐	50.000	58.774	10662.80	0.0243	P	2.6
3	☐	2500.000	2934.944	427642.40	0.9864	P	0.9
4	☐	6250.000	7706.115	1054178.61	2.5824	P	0.3
5	☐	12500.000	14579.937	1936641.27	4.8817	A	1.3
6	☐	25000.000	28460.103	3758021.01	9.5247	A	1.4
7	☐	50000.000	55932.621	7371012.38	18.7145	A	1.0
8	☐	250000.00	248322.71	32306010.69	83.0705	A	0.1

$$y = 3.3451E-004 * x + 0.0046$$

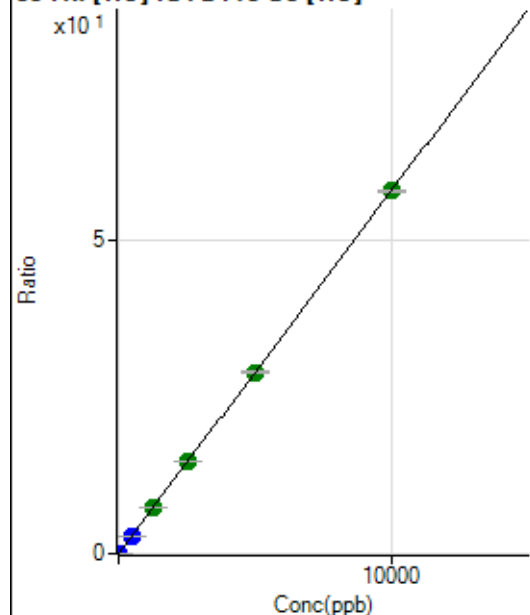
$$R = 0.9997$$

$$DL = 2.084$$

$$BEC = 13.74$$

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	87.78	0.0002	P	36.6
2	☐	1.000	1.037	2725.83	0.0062	P	4.9
3	☐	500.000	501.346	1256895.32	2.8990	P	0.6
4	☐	1250.000	1288.453	3041292.38	7.4502	A	0.5
5	☐	2500.000	2541.564	5830242.55	14.6958	A	1.1
6	☐	5000.000	4983.523	11369275.11	28.8154	A	1.0
7	☐	10000.000	9992.974	22758933.27	57.7805	A	0.5
8	☐			24813.90	0.0638	P	3.4

$$y = 0.0058 * x + 2.0249E-004$$

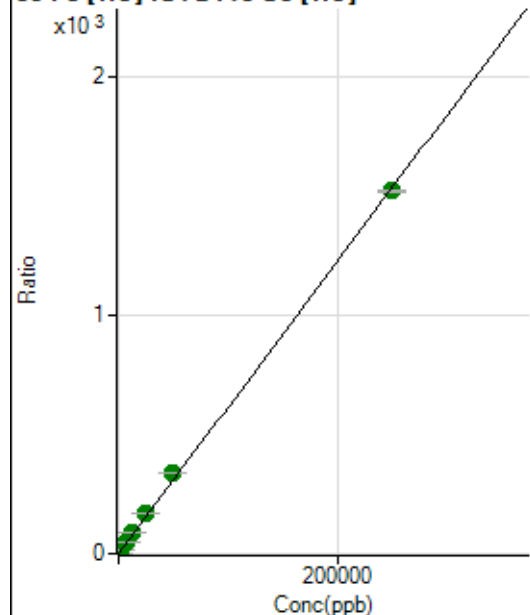
$$R = 1.0000$$

$$DL = 0.0385$$

$$BEC = 0.03502$$

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	9319.73	0.0215	P	2.2
2	☐	50.000	57.055	163157.47	0.3711	P	1.0
3	☐	2500.000	2776.822	7387972.97	17.0401	A	0.3
4	☐	6250.000	7270.958	18200291.72	44.5838	A	0.1
5	☐	12500.000	14360.783	34925663.74	88.0360	A	1.0
6	☐	25000.000	27978.246	67664647.81	171.4949	A	0.8
7	☐	50000.000	55448.267	133857360.4	339.8535	A	0.9
8	☐	250000.00	248491.18	592281702.1	1.522.977	A	0.2

$$y = 0.0061 * x + 0.0215$$

$$R = 0.9997$$

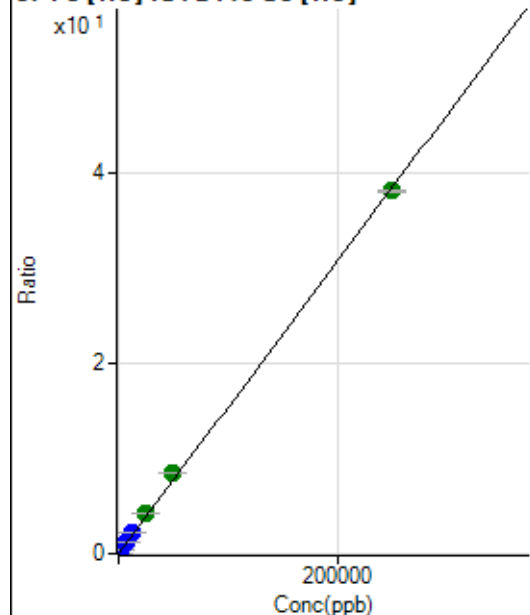
$$DL = 0.2297$$

$$BEC = 3.502$$

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	148.15	0.0003	P	5.9
2	☐	50.000	61.057	4261.78	0.0097	P	1.2
3	☐	2500.000	2886.155	191831.64	0.4424	P	0.1
4	☐	6250.000	7553.244	472455.10	1.1574	P	0.7
5	☐	12500.000	14845.122	902288.26	2.2743	P	0.9
6	☐	25000.000	28073.683	1696860.21	4.3007	A	1.6
7	☐	50000.000	55579.357	3353349.73	8.5141	A	1.1
8	☐	250000.00	248423.05	14799050.10	38.0542	A	0.6

$$y = 1.5318\text{E-}004 * x + 3.4117\text{E-}004$$

$$R = 0.9997$$

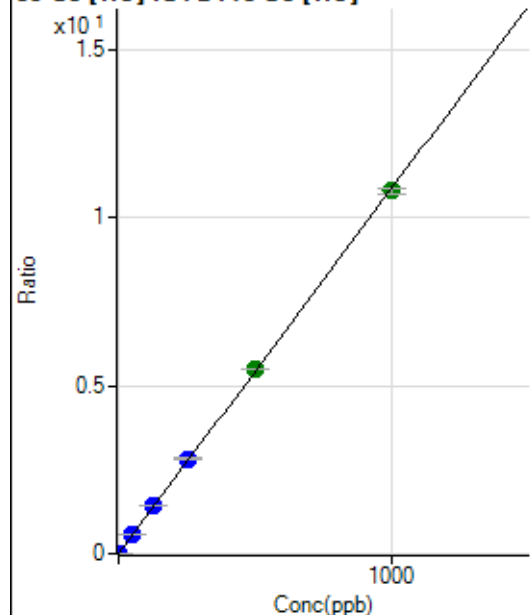
$$DL = 0.3975$$

$$BEC = 2.227$$

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	0.0001	P	45.2
2	☐	1.000	1.023	4921.96	0.0112	P	2.9
3	☐	50.000	50.793	239014.59	0.5513	P	0.7
4	☐	125.000	132.166	585523.21	1.4343	P	0.7
5	☐	250.000	259.825	1118592.19	2.8197	P	1.5
6	☐	500.000	505.615	2164955.00	5.4869	A	0.6
7	☐	1000.000	993.801	4247507.47	10.7846	A	1.5
8	☐			4985.31	0.0128	P	1.3

$$y = 0.0109 * x + 9.4759\text{E-}005$$

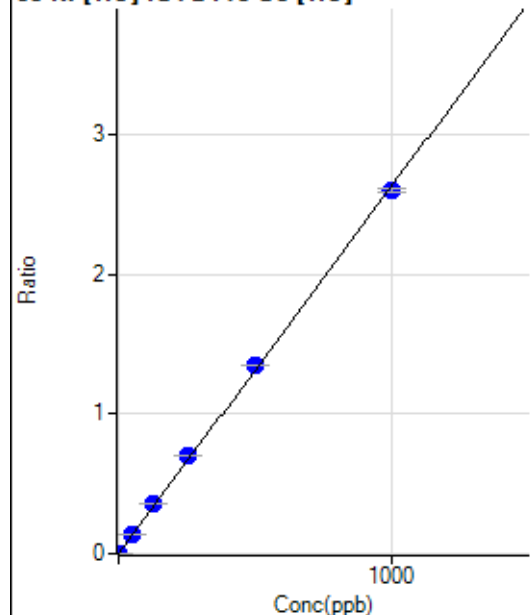
$$R = 0.9999$$

$$DL = 0.01183$$

$$BEC = 0.008732$$

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	81.11	0.0002	P	33.5
2	☐	1.000	1.082	1333.40	0.0030	P	5.3
3	☐	50.000	52.784	60264.94	0.1390	P	0.2
4	☐	125.000	136.404	146506.71	0.3589	P	0.2
5	☐	250.000	267.042	278670.37	0.7024	P	0.9
6	☐	500.000	512.657	532004.00	1.3483	P	0.1
7	☐	1000.000	987.846	1023225.39	2.5979	P	1.1
8	☐			3777.18	0.0097	P	0.4

$$y = 0.0026 * x + 1.8696E-004$$

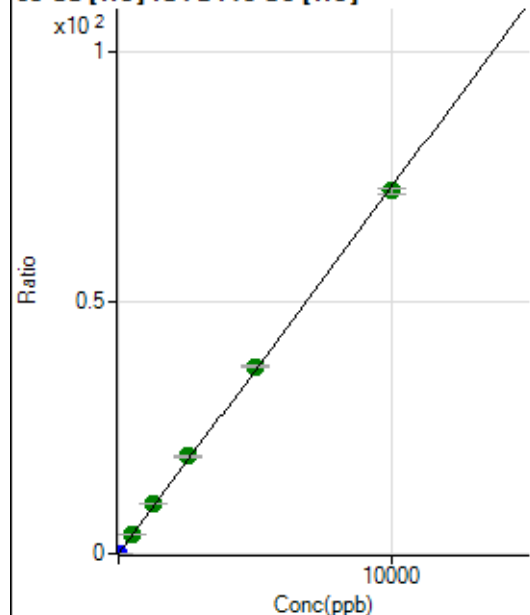
$$R = 0.9997$$

$$DL = 0.0715$$

$$BEC = 0.07109$$

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	676.69	0.0016	P	10.6
2	☐	2.000	2.128	7513.06	0.0171	P	0.5
3	☐	500.000	532.152	1684536.64	3.8849	A	1.6
4	☐	1250.000	1371.994	4087966.57	10.0135	A	1.1
5	☐	2500.000	2654.511	7685430.16	19.3726	A	1.2
6	☐	5000.000	5106.591	14704095.89	37.2664	A	0.4
7	☐	10000.000	9891.220	28428632.35	72.1817	A	1.5
8	☐			10442.61	0.0269	P	5.2

$$y = 0.0073 * x + 0.0016$$

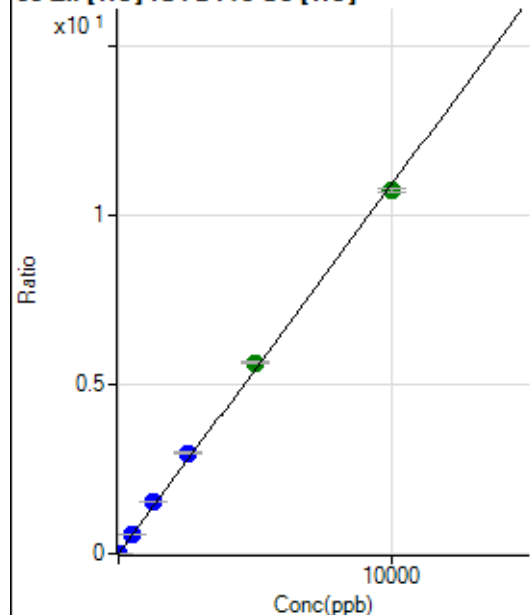
$$R = 0.9997$$

$$DL = 0.06756$$

$$BEC = 0.2134$$

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	221.11	0.0005	P	22.1
2	☐	2.000	2.477	1411.19	0.0032	P	3.9
3	☐	500.000	542.880	256867.55	0.5925	P	0.9
4	☐	1250.000	1404.938	625590.03	1.5324	P	0.3
5	☐	2500.000	2734.378	1183046.51	2.9821	P	1.0
6	☐	5000.000	5170.372	2224662.78	5.6383	A	0.6
7	☐	10000.000	9834.708	4223885.87	10.7242	A	1.1
8	☐			4474.04	0.0115	P	2.0

$$y = 0.0011 * x + 5.0949E-004$$

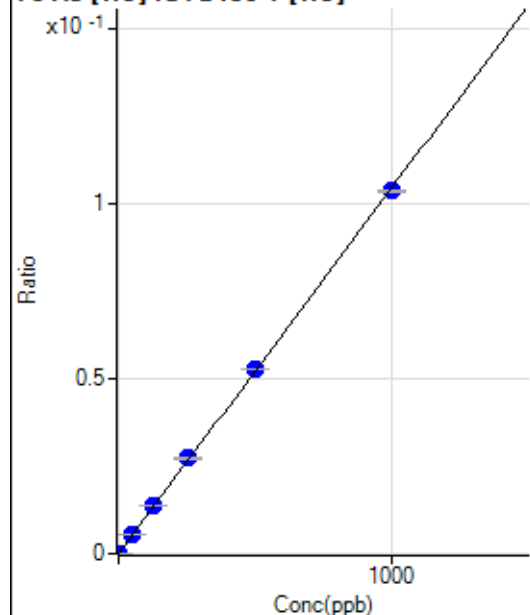
$$R = 0.9994$$

$$DL = 0.3097$$

$$BEC = 0.4672$$

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	1.85	0.0000	P	99.5
2	☐	1.000	1.043	323.46	0.0001	P	6.6
3	☐	50.000	50.810	15544.56	0.0053	P	1.5
4	☐	125.000	131.481	38161.11	0.0137	P	0.4
5	☐	250.000	261.334	73592.45	0.0273	P	1.3
6	☐	500.000	506.932	142832.11	0.0529	P	0.1
7	☐	1000.000	992.850	279635.50	0.1035	P	0.6
8	☐			112.97	0.0000	P	22.4

$$y = 1.0429E-004 * x + 6.3048E-007$$

$$R = 0.9999$$

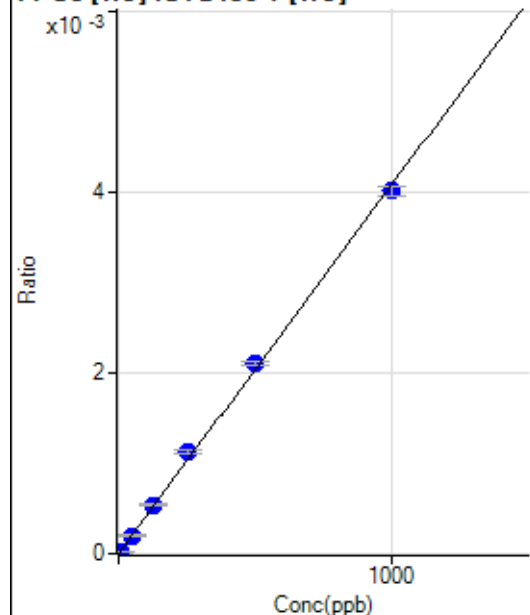
$$DL = 0.01805$$

$$BEC = 0.006046$$

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	2.22	0.0000	P	86.6
2	☐	5.000	4.422	55.55	0.0000	P	28.9
3	☐	50.000	47.450	570.02	0.0002	P	11.4
4	☐	125.000	132.650	1508.98	0.0005	P	3.9
5	☐	250.000	275.873	3042.56	0.0011	P	4.0
6	☐	500.000	517.006	5703.37	0.0021	P	2.7
7	☐	1000.000	984.203	10850.72	0.0040	P	2.8
8	☐			4.44	0.0000	P	43.4

$$y = 4.0813\text{E-}006 * x + 7.6661\text{E-}007$$

$$R = 0.9993$$

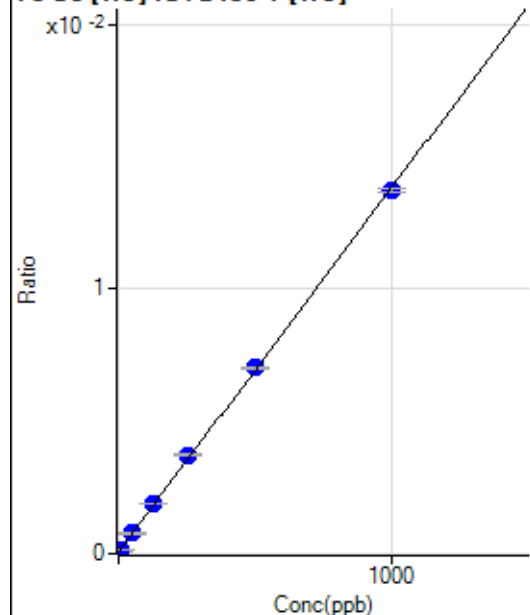
$$DL = 0.488$$

$$BEC = 0.1878$$

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	190.13	0.0001	P	15.0
2	☐	5.000	5.014	396.92	0.0001	P	9.9
3	☐	50.000	51.052	2252.04	0.0008	P	2.7
4	☐	125.000	133.158	5279.36	0.0019	P	2.6
5	☐	250.000	266.119	10062.09	0.0037	P	2.3
6	☐	500.000	506.295	18994.88	0.0070	P	1.0
7	☐	1000.000	991.751	37025.67	0.0137	P	1.0
8	☐			196.92	0.0001	P	8.0

$$y = 1.3758\text{E-}005 * x + 6.5264\text{E-}005$$

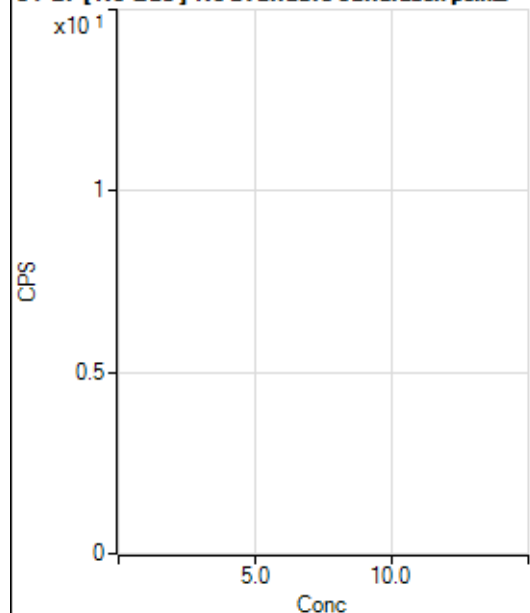
$$R = 0.9998$$

$$DL = 2.131$$

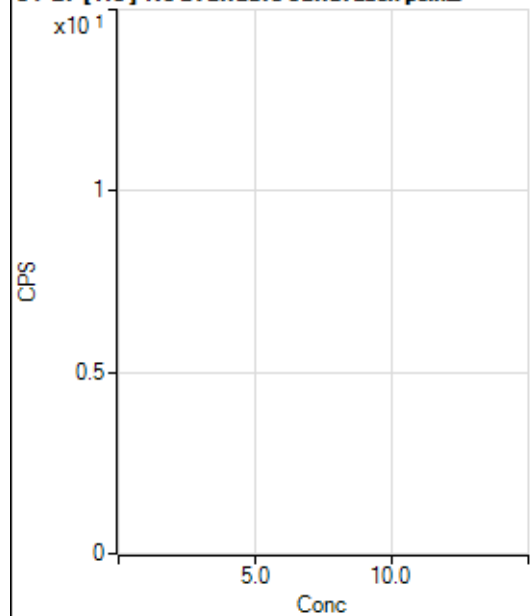
$$BEC = 4.744$$

Weight: <None>

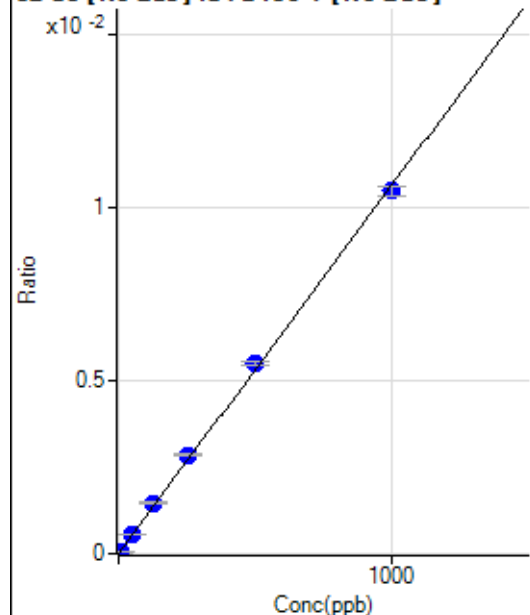
Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			61947.59		P	1.0
2	☐			60912.89		P	0.8
3	☐			58885.26		P	0.8
4	☐			56994.28		P	2.0
5	☐			55789.59		P	0.8
6	☐			54588.67		P	2.5
7	☐			54571.13		P	1.1
8	☐			51934.18		P	1.3

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			63.21		P	36.5
2	☐			36.59		P	110.
3	☐			63.21		P	18.2
4	☐			69.86		P	37.8
5	☐			76.51		P	32.8
6	☐			66.53		P	37.7
7	☐			83.17		P	45.4
8	☐			63.21		P	50.8

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.11	0.0000	P	71.2
2	☐	5.000	5.136	711.96	0.0001	P	3.4
3	☐	50.000	52.371	7020.27	0.0006	P	3.9
4	☐	125.000	135.840	17052.67	0.0014	P	4.1
5	☐	250.000	268.638	32301.44	0.0029	P	1.7
6	☐	500.000	516.657	62434.37	0.0055	P	2.3
7	☐	1000.000	985.538	118982.29	0.0105	P	2.9
8	☐			282.93	0.0000	P	24.1

$$y = 1.0652\text{E-}005 * x + 2.6402\text{E-}006$$

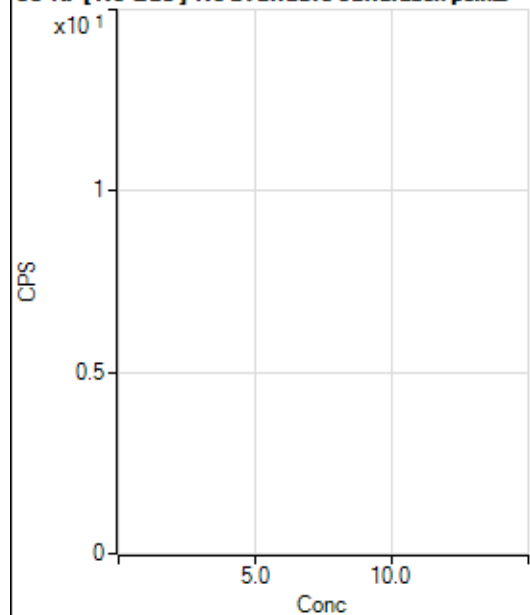
$$R = 0.9996$$

$$DL = 0.5296$$

$$BEC = 0.2479$$

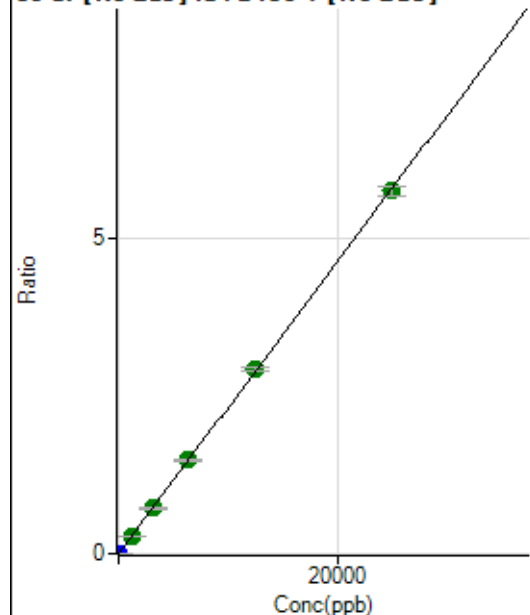
Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			135.56		P	20.9
2	☐			122.23		P	15.0
3	☐			144.45		P	1.3
4	☐			132.22		P	22.0
5	☐			127.78		P	18.5
6	☐			117.78		P	14.0
7	☐			171.12		P	4.1
8	☐			194.45		P	14.4

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	311.12	0.0000	P	16.6
2	☐	1.000	0.916	2944.81	0.0002	P	10.0
3	☐	1250.000	1200.257	3471952.36	0.2772	A	3.4
4	☐	3125.000	3152.771	8565160.26	0.7281	A	4.0
5	☐	6250.000	6412.628	16699980.06	1.4809	A	2.2
6	☐	12500.000	12635.788	33092265.32	2.9180	A	1.6
7	☐	25000.000	24890.465	65128784.10	5.7480	A	2.4
8	☐			35196.14	0.0033	P	8.7

$$y = 2.3093E-004 * x + 2.5759E-005$$

$$R = 0.9999$$

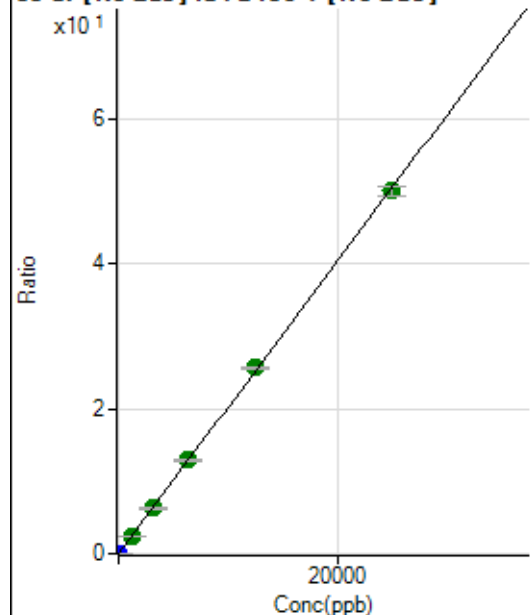
$$DL = 0.05549$$

$$BEC = 0.1115$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	452.80	0.0000	P	3.0
2	☐	1.000	0.936	23917.23	0.0019	P	5.0
3	☐	1250.000	1206.409	30496588.88	2.4347	A	2.7
4	☐	3125.000	3132.367	74362207.22	6.3214	A	4.3
5	☐	6250.000	6422.243	146166467.1	12.9606	A	2.0
6	☐	12500.000	12738.973	291603289.8	25.7083	A	0.8
7	☐	25000.000	24838.711	567994262.6	50.1265	A	2.3
8	☐			293871.80	0.0278	P	9.9

$$y = 0.0020 * x + 3.7634E-005$$

$$R = 0.9999$$

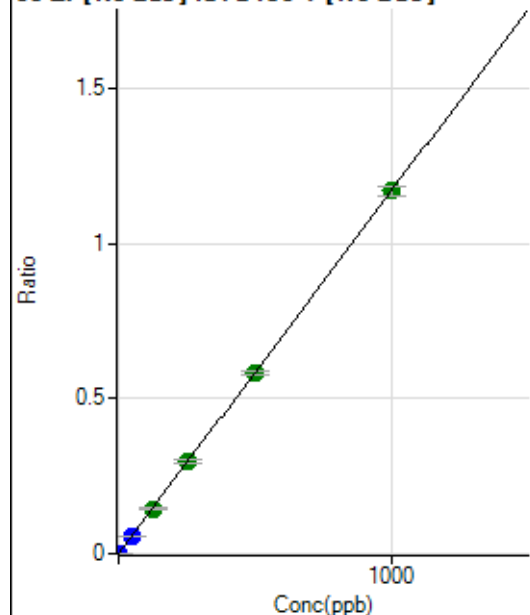
$$DL = 0.001686$$

$$BEC = 0.01865$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	505.58	0.0000	P	2.9
2	☐	1.000	0.902	13603.94	0.0011	P	6.0
3	☐	50.000	47.809	700568.46	0.0559	P	3.1
4	☐	125.000	123.872	1703942.42	0.1448	A	4.6
5	☐	250.000	255.012	3361856.02	0.2982	A	2.7
6	☐	500.000	498.571	6608250.45	0.5829	A	2.8
7	☐	1000.000	999.712	13241935.63	1.1687	A	2.5
8	☐			6598.88	0.0006	P	11.8

$$y = 0.0012 * x + 4.2065E-005$$

$$R = 1.0000$$

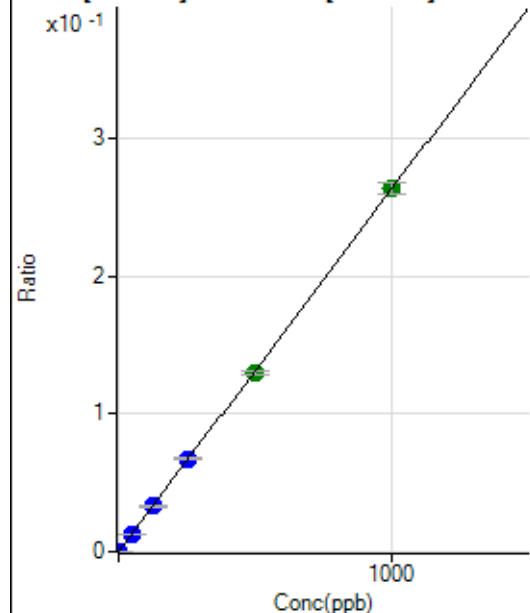
$$DL = 0.00311$$

$$BEC = 0.03598$$

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	86.11	0.0000	P	26.8
2	☐	1.000	0.895	3011.51	0.0002	P	5.2
3	☐	50.000	47.399	156292.87	0.0125	P	3.9
4	☐	125.000	125.355	388100.84	0.0330	P	4.1
5	☐	250.000	256.416	761039.37	0.0675	P	1.5
6	☐	500.000	494.652	1475827.96	0.1302	A	2.5
7	☐	1000.000	1001.156	2984871.36	0.2634	A	3.0
8	☐			1480.68	0.0001	P	11.8

$$y = 2.6313E-004 * x + 7.2149E-006$$

$$R = 1.0000$$

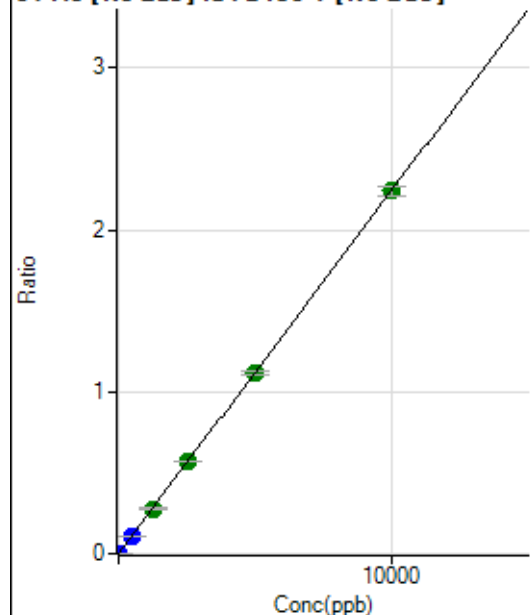
$$DL = 0.02206$$

$$BEC = 0.02742$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	144.45	0.0000	P	15.0
2	☐	5.000	5.731	16098.16	0.0013	P	2.7
3	☐	500.000	479.529	1346649.50	0.1075	P	3.4
4	☐	1250.000	1234.528	3256034.16	0.2768	A	3.5
5	☐	2500.000	2537.737	6416396.11	0.5689	A	1.7
6	☐	5000.000	4998.841	12708390.82	1.1207	A	2.2
7	☐	10000.000	9994.102	25387512.02	2.2406	A	2.9
8	☐			13742.90	0.0013	P	8.6

$$y = 2.2419\text{E-}004 * x + 1.1977\text{E-}005$$

R = 1.0000

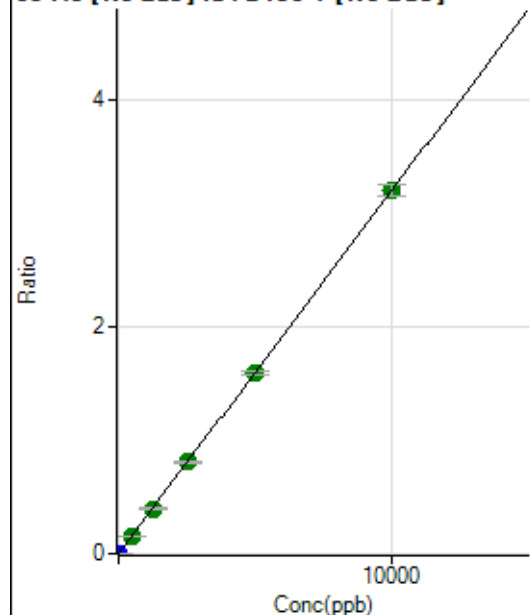
DL = 0.02404

BEC = 0.05342

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	30.55	0.0000	P	86.7
2	☐	5.000	4.820	19135.14	0.0015	P	3.8
3	☐	500.000	479.480	1917633.77	0.1531	A	2.8
4	☐	1250.000	1242.090	4665216.16	0.3966	A	4.4
5	☐	2500.000	2519.171	9070282.49	0.8044	A	2.2
6	☐	5000.000	4993.788	18081061.52	1.5945	A	1.9
7	☐	10000.000	10000.328	36179286.23	3.1930	A	3.0
8	☐			18781.89	0.0018	P	7.3

$$y = 3.1929\text{E-}004 * x + 2.6046\text{E-}006$$

R = 1.0000

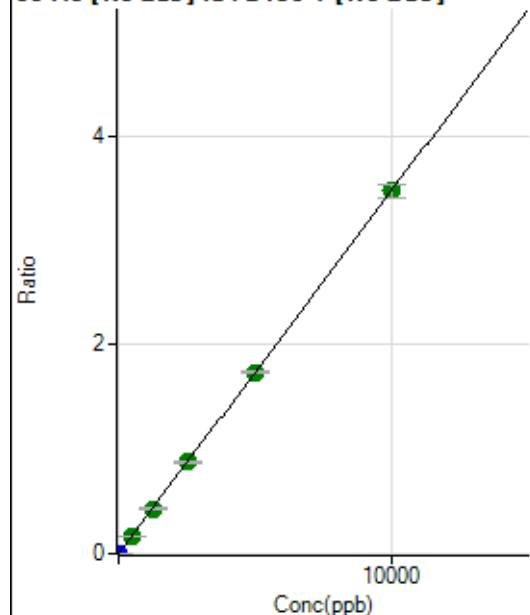
DL = 0.02122

BEC = 0.008158

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	130.56	0.0000	P	28.4
2	☐	5.000	4.994	21697.15	0.0017	P	4.1
3	☐	500.000	477.303	2079450.98	0.1660	A	2.9
4	☐	1250.000	1241.472	5079349.12	0.4318	A	4.6
5	☐	2500.000	2518.137	9876642.75	0.8758	A	2.0
6	☐	5000.000	5003.929	19736270.75	1.7404	A	1.8
7	☐	10000.000	9995.702	39392754.70	3.4765	A	3.4
8	☐			44028.19	0.0042	P	5.8

$$y = 3.4780\text{E-}004 * x + 1.0917\text{E-}005$$

$$R = 1.0000$$

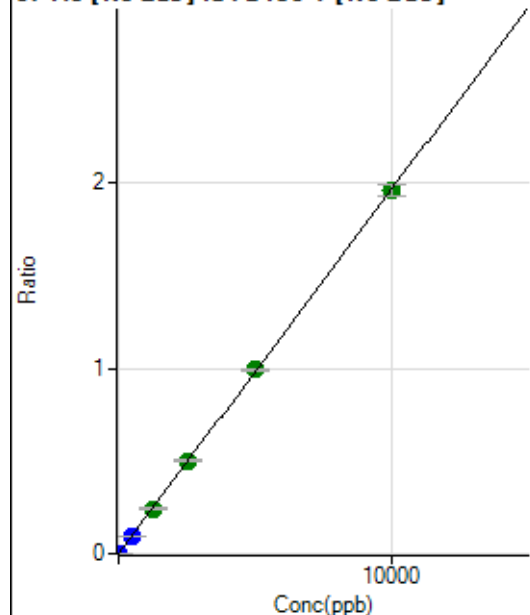
$$DL = 0.02674$$

$$BEC = 0.03139$$

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	8.33	0.0000	P	99.2
2	☐	5.000	4.894	11960.73	0.0010	P	4.4
3	☐	500.000	480.415	1183682.59	0.0945	P	3.9
4	☐	1250.000	1235.323	2858695.70	0.2430	A	4.4
5	☐	2500.000	2548.577	5653152.90	0.5014	A	2.5
6	☐	5000.000	5058.013	11285261.10	0.9950	A	1.2
7	☐	10000.000	9961.663	22206383.83	1.9597	A	3.1
8	☐			12099.82	0.0011	P	9.2

$$y = 1.9672\text{E-}004 * x + 6.7476\text{E-}007$$

$$R = 1.0000$$

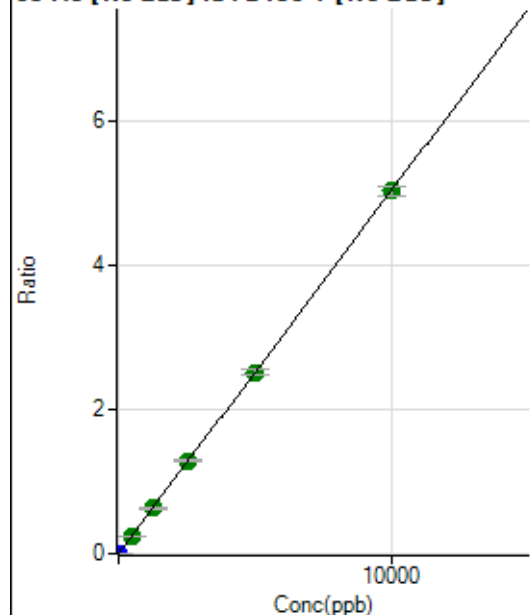
$$DL = 0.01021$$

$$BEC = 0.00343$$

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	33.33	0.0000	P	23.6
2	☐	5.000	4.944	30997.47	0.0025	P	4.5
3	☐	500.000	476.983	3014251.33	0.2407	A	3.2
4	☐	1250.000	1248.342	7409083.24	0.6298	A	3.9
5	☐	2500.000	2553.518	14527985.39	1.2883	A	2.1
6	☐	5000.000	4996.512	28582521.47	2.5209	A	2.5
7	☐	10000.000	9989.722	57107802.66	5.0401	A	2.7
8	☐			28751.25	0.0027	P	9.0

$$y = 5.0453\text{E-}004 * x + 2.7702\text{E-}006$$

$$R = 1.0000$$

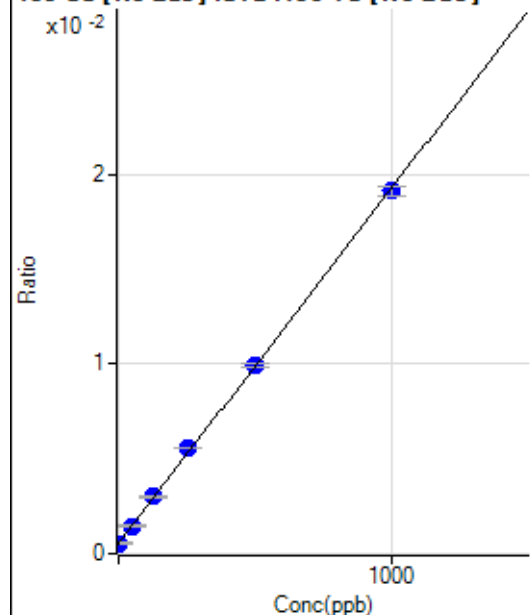
$$DL = 0.00389$$

$$BEC = 0.005491$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6529.41	0.0005	P	2.7
2	☐	1.000	0.747	7021.34	0.0006	P	5.9
3	☐	50.000	48.755	18779.30	0.0015	P	2.2
4	☐	125.000	131.285	36755.49	0.0030	P	2.3
5	☐	250.000	269.459	65352.87	0.0056	P	1.0
6	☐	500.000	503.493	117426.37	0.0100	P	2.3
7	☐	1000.000	992.665	226079.99	0.0191	P	2.8
8	☐			5879.12	0.0005	P	2.9

$$y = 1.8704\text{E-}005 * x + 5.4185\text{E-}004$$

$$R = 0.9998$$

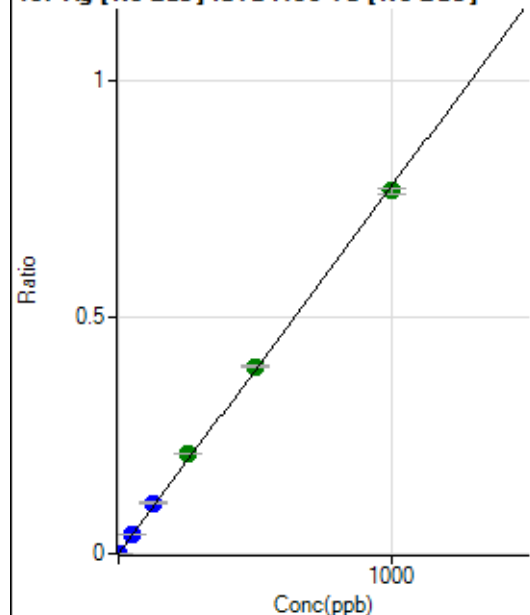
$$DL = 2.324$$

$$BEC = 28.97$$

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	69.45	0.0000	P	18.3
2	☐	1.000	1.059	10470.70	0.0008	P	1.6
3	☐	50.000	52.895	531553.29	0.0411	P	2.0
4	☐	125.000	136.503	1301823.31	0.1062	P	4.0
5	☐	250.000	273.367	2489541.85	0.2126	A	0.9
6	☐	500.000	509.333	4669697.24	0.3962	A	1.1
7	☐	1000.000	987.909	9089895.26	0.7684	A	1.6
8	☐			6137.55	0.0005	P	6.0

$$y = 7.7780\text{E-}004 * x + 5.7669\text{E-}006$$

$$R = 0.9996$$

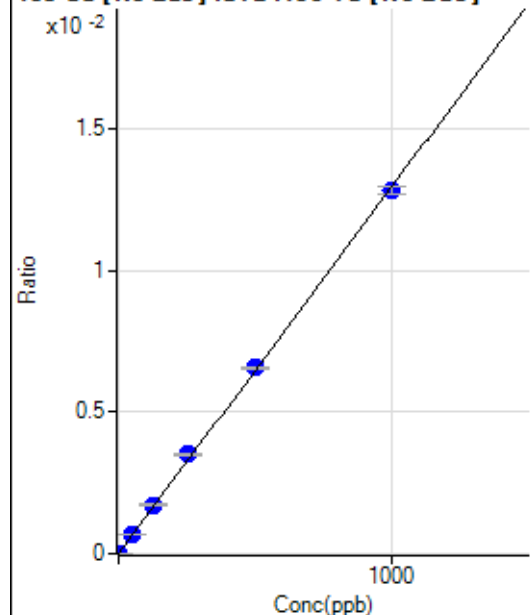
$$DL = 0.004081$$

$$BEC = 0.007414$$

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	18.06	0.0000	P	80.3
2	☐	1.000	0.961	175.00	0.0000	P	25.3
3	☐	50.000	51.227	8579.02	0.0007	P	4.0
4	☐	125.000	133.115	21130.76	0.0017	P	3.2
5	☐	250.000	272.124	41220.84	0.0035	P	2.0
6	☐	500.000	506.740	77281.73	0.0066	P	1.0
7	☐	1000.000	990.023	151516.00	0.0128	P	2.1
8	☐			119.45	0.0000	P	42.4

$$y = 1.2935\text{E-}005 * x + 1.4729\text{E-}006$$

$$R = 0.9997$$

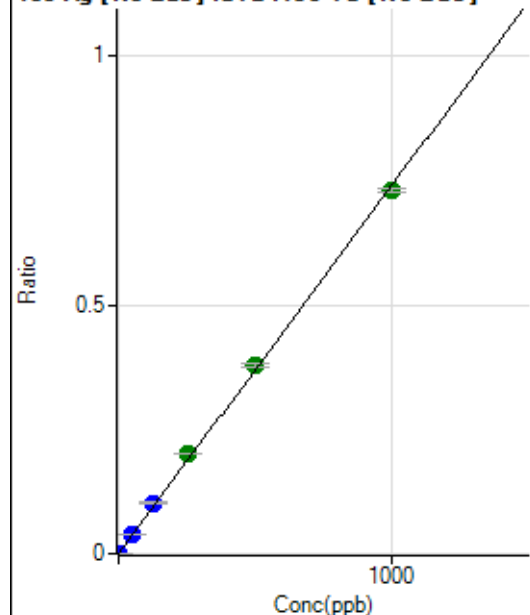
$$DL = 0.2742$$

$$BEC = 0.1139$$

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	8.33	0.0000	P	97.8
2	☐	1.000	1.073	10014.86	0.0008	P	5.0
3	☐	50.000	53.331	509220.24	0.0394	P	1.3
4	☐	125.000	136.191	1234193.19	0.1007	P	4.1
5	☐	250.000	272.199	2355599.97	0.2012	A	1.2
6	☐	500.000	512.907	4467942.33	0.3791	A	2.7
7	☐	1000.000	986.431	8624227.80	0.7291	A	1.1
8	☐			5359.46	0.0005	P	8.9

$$y = 7.3912\text{E-}004 * x + 6.9564\text{E-}007$$

$$R = 0.9996$$

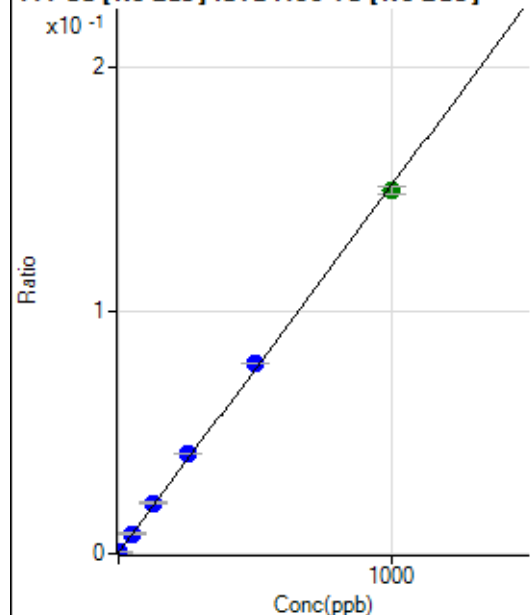
$$DL = 0.00276$$

$$BEC = 0.0009412$$

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	4557.95	0.0004	P	2.9
2	☐	1.000	1.110	6892.62	0.0005	P	3.7
3	☐	50.000	51.840	105998.20	0.0082	P	2.9
4	☐	125.000	134.962	254483.08	0.0208	P	4.3
5	☐	250.000	271.857	485088.32	0.0414	P	0.3
6	☐	500.000	515.712	922364.06	0.0782	P	0.8
7	☐	1000.000	985.342	1764566.43	0.1492	A	2.3
8	☐			4930.42	0.0004	P	3.5

$$y = 1.5099\text{E-}004 * x + 3.7827\text{E-}004$$

$$R = 0.9995$$

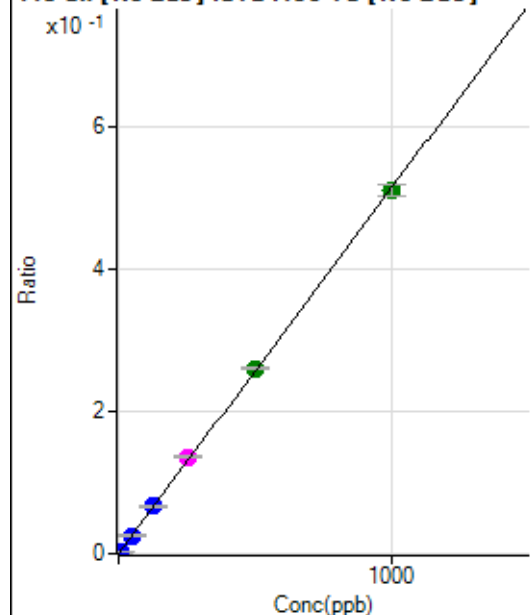
$$DL = 0.2176$$

$$BEC = 2.505$$

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	658.37	0.0001	P	9.1
2	☐	5.000	4.901	32462.11	0.0026	P	5.0
3	☐	50.000	49.531	329350.64	0.0255	P	2.4
4	☐	125.000	128.909	812432.80	0.0663	P	4.8
5	☐	250.000	265.122	1594894.78	0.1362	M	2.5
6	☐	500.000	506.901	3069527.28	0.2604	A	1.3
7	☐	1000.000	992.304	6030890.80	0.5097	A	3.1
8	☐			7866.25	0.0007	P	4.3

$$y = 5.1363\text{E-}004 * x + 5.4743\text{E-}005$$

$$R = 0.9998$$

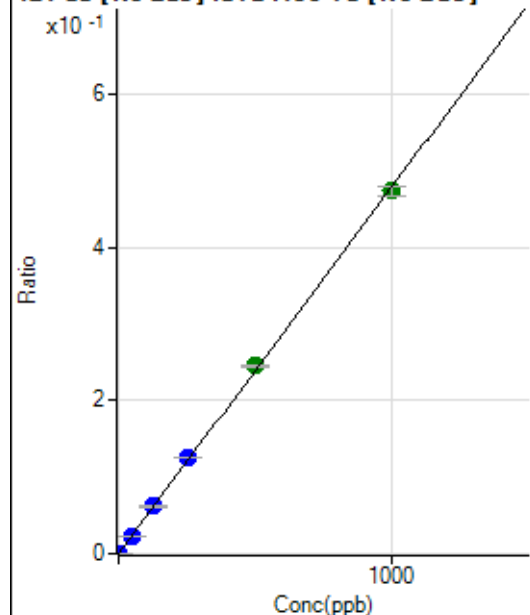
$$DL = 0.02894$$

$$BEC = 0.1066$$

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	25.00	0.0000	P	37.7
2	☐	2.000	1.934	11685.58	0.0009	P	6.2
3	☐	50.000	48.860	301613.02	0.0233	P	2.7
4	☐	125.000	129.046	756036.18	0.0617	P	3.7
5	☐	250.000	261.593	1463381.97	0.1250	P	1.3
6	☐	500.000	512.586	2887144.08	0.2449	A	0.5
7	☐	1000.000	990.360	5598362.45	0.4732	A	2.3
8	☐			4528.60	0.0004	P	1.2

$$y = 4.7781\text{E-}004 * x + 2.0961\text{E-}006$$

$$R = 0.9998$$

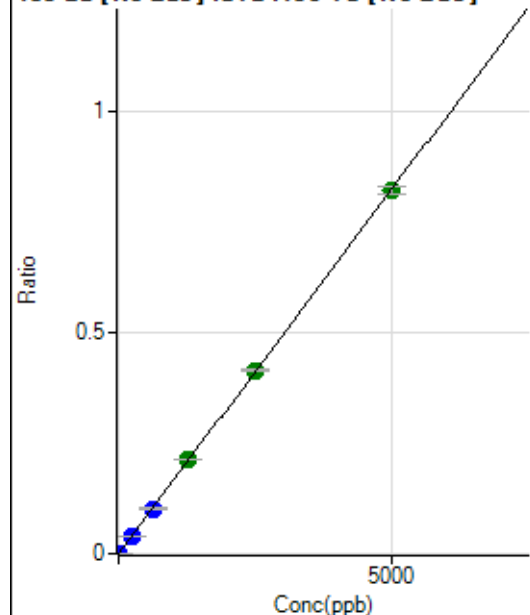
$$DL = 0.004957$$

$$BEC = 0.004387$$

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	36.11	0.0000	P	112.
2	☐	10.000	9.229	19210.66	0.0015	P	3.8
3	☐	250.000	233.839	497073.76	0.0385	P	2.7
4	☐	625.000	612.952	1236608.89	0.1009	P	4.2
5	☐	1250.000	1287.729	2480927.23	0.2119	A	0.7
6	☐	2500.000	2520.599	4890229.67	0.4147	A	1.9
7	☐	5000.000	4982.584	9699014.71	0.8198	A	2.1
8	☐			7196.44	0.0006	P	9.6

$$y = 1.6454\text{E-}004 * x + 2.9729\text{E-}006$$

$$R = 0.9999$$

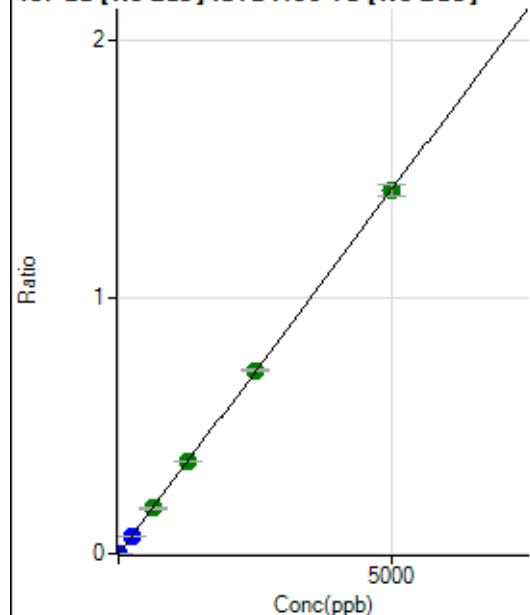
$$DL = 0.06075$$

$$BEC = 0.01807$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	41.67	0.0000	P	20.7
2	☐	10.000	9.235	33117.08	0.0026	P	5.9
3	☐	250.000	234.508	859561.24	0.0665	P	2.6
4	☐	625.000	621.820	2163201.59	0.1764	A	4.1
5	☐	1250.000	1274.953	4235745.67	0.3617	A	0.6
6	☐	2500.000	2518.902	8424771.80	0.7147	A	0.7
7	☐	5000.000	4985.484	16736350.03	1.4145	A	3.2
8	☐			13036.86	0.0012	P	8.1

$$y = 2.8373\text{E-}004 * x + 3.4638\text{E-}006$$

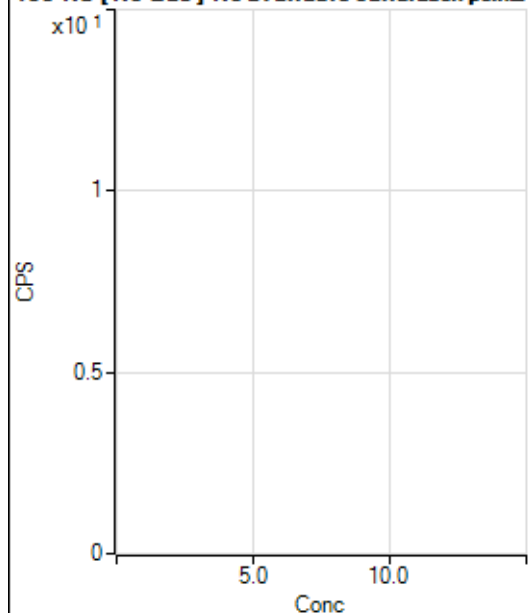
$$R = 1.0000$$

$$DL = 0.00759$$

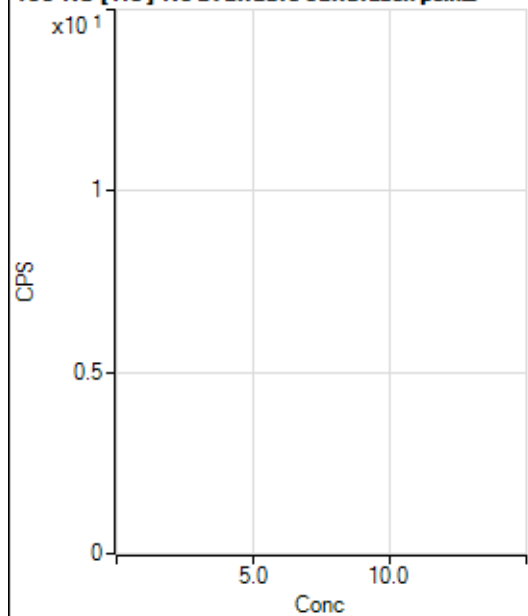
$$BEC = 0.01221$$

Weight: <None>

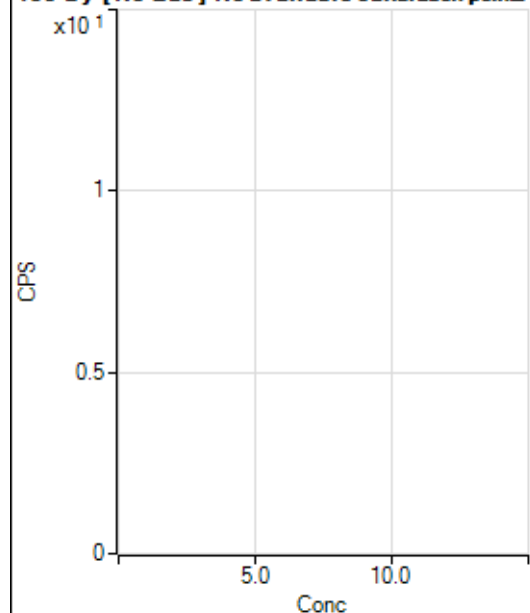
Min Conc: 0

150 Nd [No Gas] No available calibration points

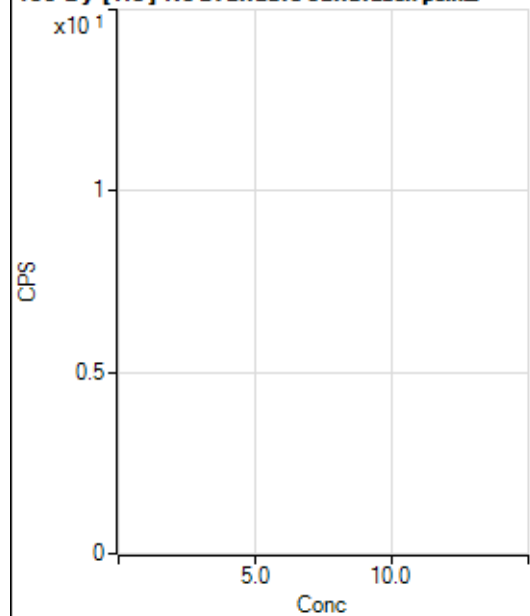
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.33		P	86.6
2	☐			11.11		P	69.3
3	☐			168.90		P	8.2
4	☐			368.90		P	10.0
5	☐			637.81		P	16.8
6	☐			1340.09		P	7.9
7	☐			2653.64		P	7.8
8	☐			97.78		P	10.4

150 Nd [He] No available calibration points

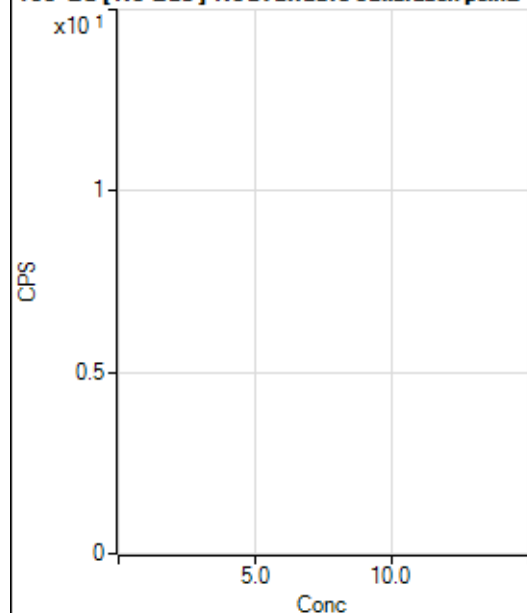
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.
2	☐			4.44		P	114.
3	☐			28.89		P	6.7
4	☐			60.00		P	20.0
5	☐			126.67		P	10.5
6	☐			271.11		P	16.0
7	☐			531.13		P	4.7
8	☐			33.33		P	10.0

156 Dy [No Gas] No available calibration points

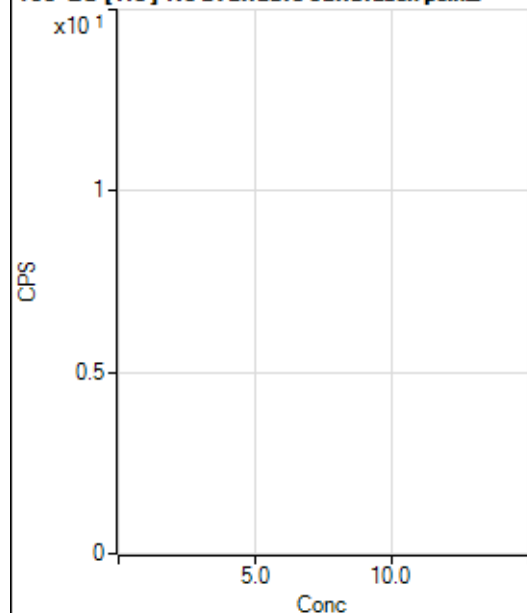
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	43.3
2	☐			16.67		P	50.0
3	☐			44.45		P	10.8
4	☐			127.78		P	39.8
5	☐			205.56		P	16.4
6	☐			383.35		P	26.7
7	☐			813.94		P	7.2
8	☐			1641.81		P	5.1

156 Dy [He] No available calibration points

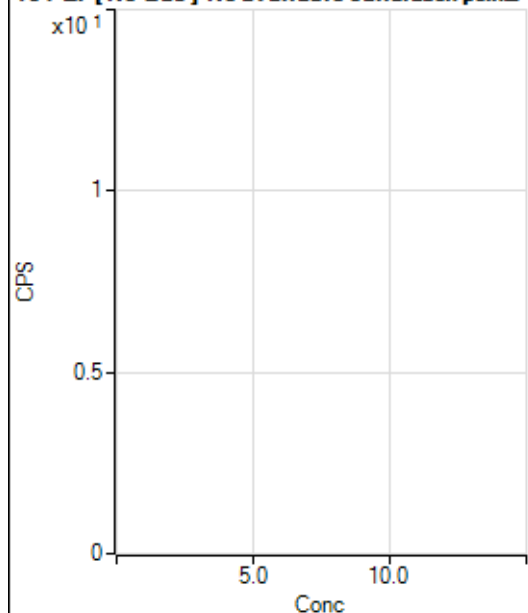
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.89		P	57.3
2	☐			10.00		P	88.2
3	☐			55.56		P	33.0
4	☐			116.67		P	19.8
5	☐			178.89		P	10.8
6	☐			348.90		P	30.1
7	☐			648.91		P	3.1
8	☐			1248.96		P	5.7

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

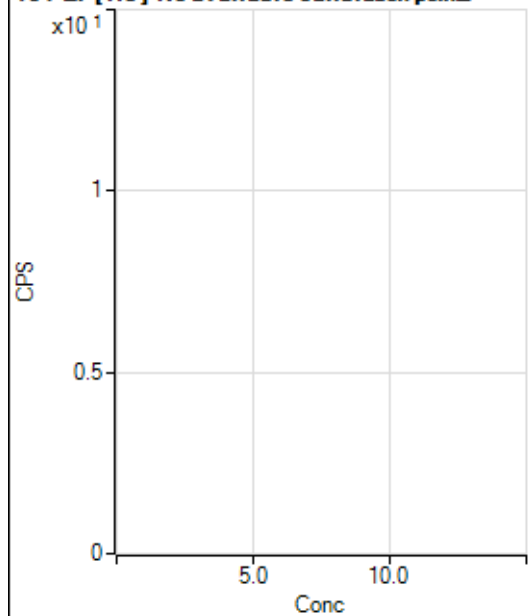
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			47.22		P	20.4
2	☐			50.00		P	44.1
3	☐			91.67		P	15.7
4	☐			113.89		P	25.7
5	☐			147.23		P	26.7
6	☐			313.90		P	14.6
7	☐			533.36		P	7.2
8	☐			1791.84		P	7.4

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			367.79		P	5.5
2	☐			411.12		P	16.7
3	☐			436.68		P	4.3
4	☐			442.23		P	6.4
5	☐			442.23		P	6.8
6	☐			544.46		P	4.2
7	☐			720.02		P	12.1
8	☐			1606.78		P	6.4

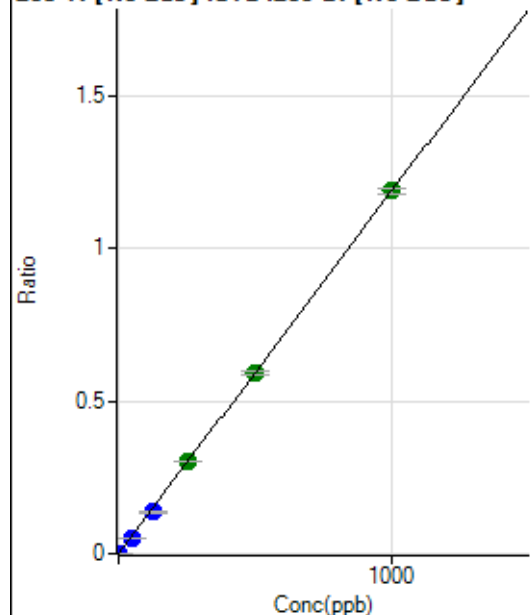
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			80.56		P	41.8
2	☐			86.11		P	14.8
3	☐			113.89		P	44.7
4	☐			108.34		P	20.3
5	☐			150.01		P	20.0
6	☐			122.23		P	14.2
7	☐			263.90		P	4.8
8	☐			166.67		P	21.8

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			63.33		P	29.3
2	☐			57.78		P	38.4
3	☐			76.67		P	13.0
4	☐			80.00		P	15.0
5	☐			90.00		P	20.6
6	☐			127.78		P	22.2
7	☐			160.00		P	24.6
8	☐			121.11		P	5.7

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.33	0.0000	P	49.8
2	☐	1.000	0.839	9178.35	0.0010	P	2.8
3	☐	50.000	42.848	465279.83	0.0509	P	3.6
4	☐	125.000	114.227	1175152.95	0.1357	P	4.3
5	☐	250.000	254.695	2475287.36	0.3027	A	1.3
6	☐	500.000	499.194	4760932.48	0.5932	A	2.7
7	☐	1000.000	1000.934	9277381.37	1.1894	A	1.8
8	☐			3595.02	0.0006	P	13.0

$$y = 0.0012 * x + 6.6858E-006$$

$$R = 0.9999$$

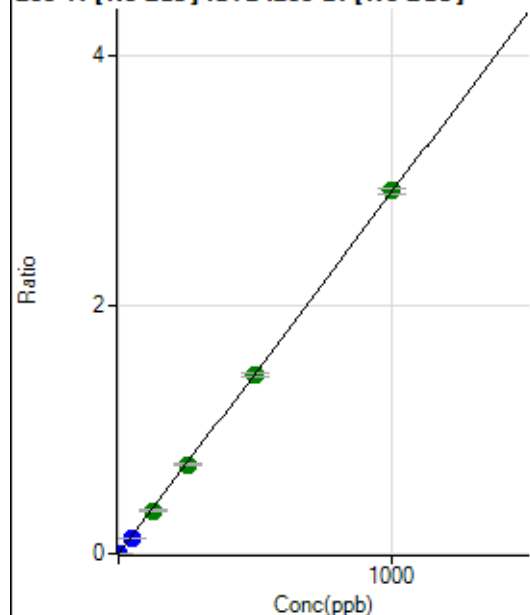
$$DL = 0.008401$$

$$BEC = 0.005626$$

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	175.01	0.0000	P	21.9
2	☐	1.000	0.833	22274.23	0.0024	P	2.2
3	☐	50.000	42.333	1122939.10	0.1229	P	3.5
4	☐	125.000	118.893	2987930.15	0.3451	A	4.1
5	☐	250.000	246.995	5863746.70	0.7170	A	1.5
6	☐	500.000	494.125	11513716.49	1.4343	A	2.2
7	☐	1000.000	1004.836	22751034.88	2.9167	A	1.4
8	☐			8602.96	0.0014	P	12.2

$$y = 0.0029 * x + 2.0233E-005$$

$$R = 0.9999$$

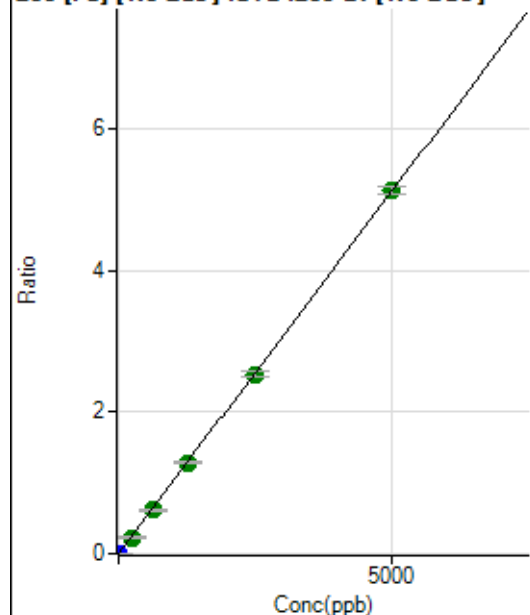
$$DL = 0.004573$$

$$BEC = 0.006971$$

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	179.63	0.0000	P	17.4
2	☐	1.000	0.811	7767.15	0.0008	P	4.3
3	☐	250.000	225.572	2106374.38	0.2305	A	2.8
4	☐	625.000	602.506	5329684.26	0.6157	A	5.0
5	☐	1250.000	1260.128	10529737.27	1.2877	A	2.7
6	☐	2500.000	2477.313	20314370.13	2.5314	A	3.2
7	☐	5000.000	5012.845	39954940.25	5.1223	A	2.0
8	☐			16678.97	0.0026	P	10.3

$$y = 0.0010 * x + 2.0813E-005$$

$$R = 1.0000$$

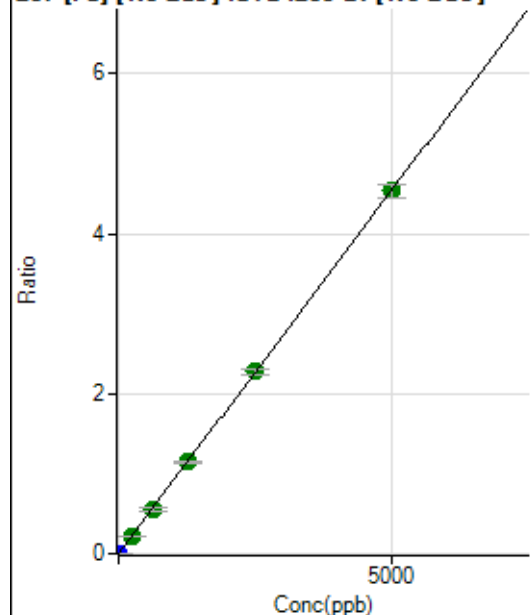
$$DL = 0.01061$$

$$BEC = 0.02037$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	192.60	0.0000	P	5.1
2	☐	1.000	0.769	6583.19	0.0007	P	7.0
3	☐	250.000	229.307	1902484.18	0.2082	A	3.2
4	☐	625.000	610.011	4794337.66	0.5539	A	5.3
5	☐	1250.000	1262.973	9376852.06	1.1467	A	2.4
6	☐	2500.000	2507.035	18263319.39	2.2762	A	3.8
7	☐	5000.000	4996.148	35382779.96	4.5360	A	3.6
8	☐			14205.79	0.0022	P	10.9

$$y = 9.0790E-004 * x + 2.2245E-005$$

$$R = 1.0000$$

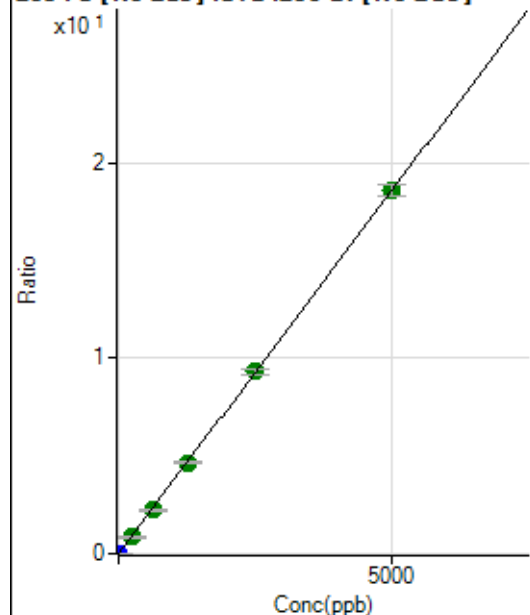
$$DL = 0.003715$$

$$BEC = 0.0245$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	747.54	0.0001	P	6.0
2	☐	1.000	0.859	29955.83	0.0033	P	3.8
3	☐	250.000	227.967	7737205.85	0.8468	A	3.2
4	☐	625.000	604.983	19452298.56	2.2471	A	4.8
5	☐	1250.000	1250.152	37970835.64	4.6433	A	2.1
6	☐	2500.000	2505.329	74679196.45	9.3051	A	2.9
7	☐	5000.000	5000.901	144883108.1	18.5739	A	3.1
8	☐			57418.87	0.0090	P	10.6

$$y = 0.0037 * x + 8.6426E-005$$

$$R = 1.0000$$

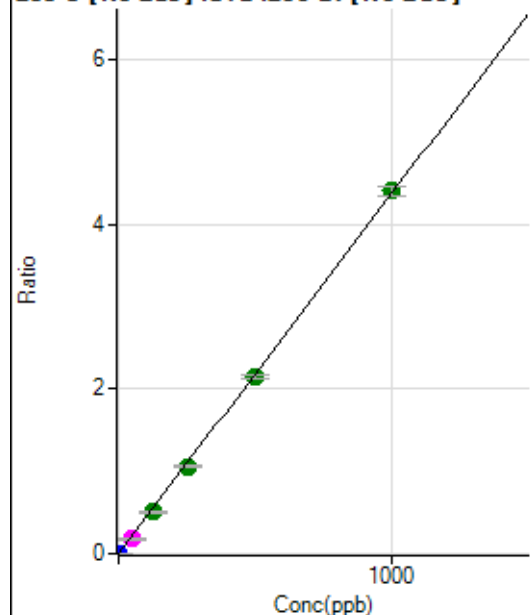
$$DL = 0.004178$$

$$BEC = 0.02327$$

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	27.78	0.0000	P	92.1
2	☐	1.000	0.747	29859.62	0.0033	P	1.8
3	☐	50.000	41.236	1644556.18	0.1801	M	9.5
4	☐	125.000	115.452	4364483.73	0.5042	A	4.6
5	☐	250.000	241.698	8630949.06	1.0554	A	1.7
6	☐	500.000	490.973	17208384.59	2.1439	A	2.6
7	☐	1000.000	1008.221	34342210.49	4.4026	A	2.6
8	☐			9097.90	0.0014	P	13.6

$$y = 0.0044 * x + 3.1373E-006$$

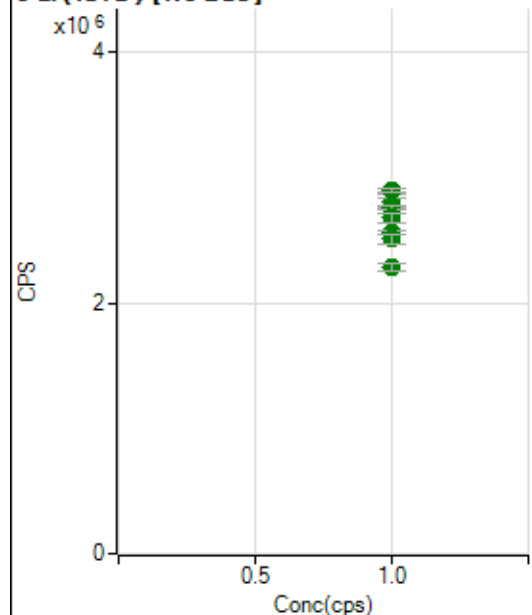
$$R = 0.9999$$

$$DL = 0.001984$$

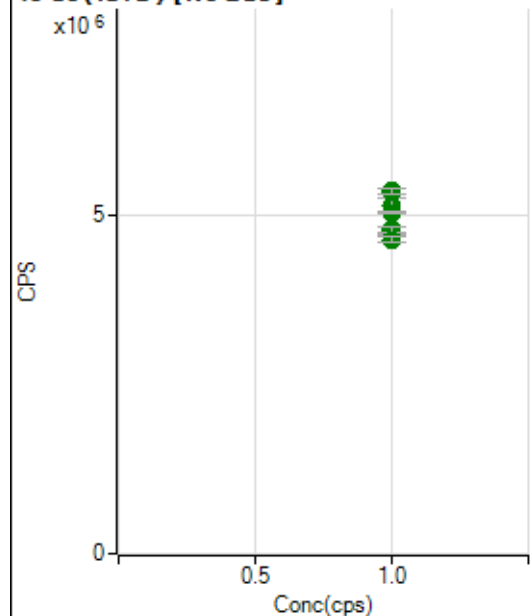
$$BEC = 0.0007185$$

Weight: <None>

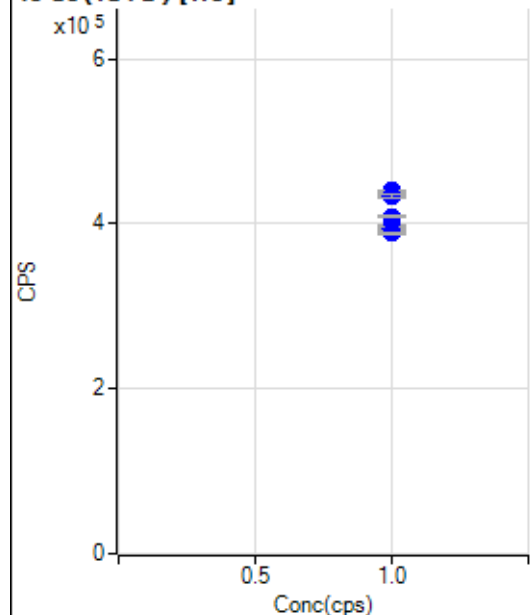
Min Conc: 0

6 Li (ISTD) [No Gas]

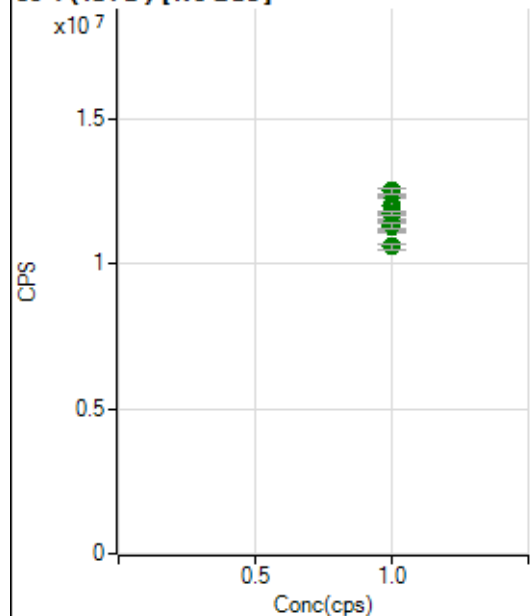
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2801443.08		A	2.9
2	☐	1.000		2891904.96		A	1.3
3	☐	1.000		2892587.14		A	0.9
4	☐	1.000		2763822.67		A	0.9
5	☐	1.000		2678992.77		A	2.8
6	☐	1.000		2559381.70		A	0.7
7	☐	1.000		2508375.91		A	2.8
8	☐	1.000		2284374.79		A	3.2

45 Sc (ISTD) [No Gas]

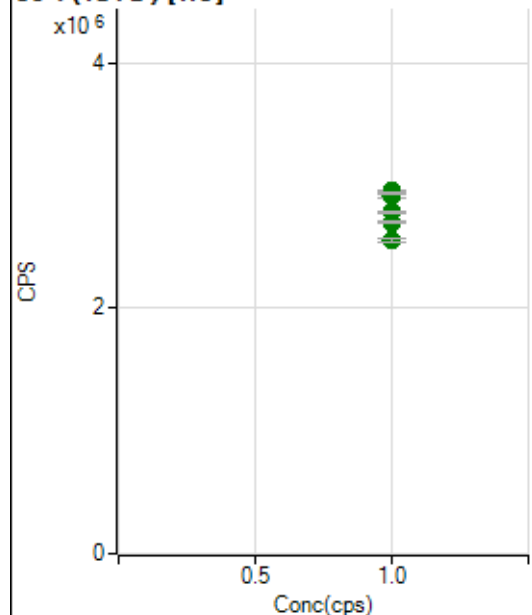
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5134790.31		A	4.2
2	☐	1.000		5338380.96		A	1.6
3	☐	1.000		5350932.84		A	1.4
4	☐	1.000		5032422.63		A	1.0
5	☐	1.000		4767955.14		A	2.4
6	☐	1.000		4742996.15		A	3.0
7	☐	1.000		4782931.42		A	2.0
8	☐	1.000		4636531.80		A	2.0

45 Sc (ISTD) [He]

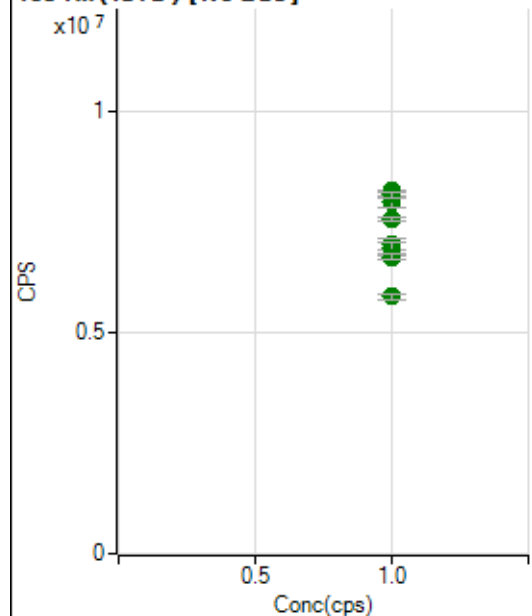
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		434289.47		P	0.8
2	☐	1.000		439623.37		P	0.4
3	☐	1.000		433572.76		P	1.0
4	☐	1.000		408225.57		P	0.6
5	☐	1.000		396739.60		P	0.7
6	☐	1.000		394567.07		P	0.5
7	☐	1.000		393897.50		P	1.3
8	☐	1.000		388896.57		P	0.7

89 Y (ISTD) [No Gas]

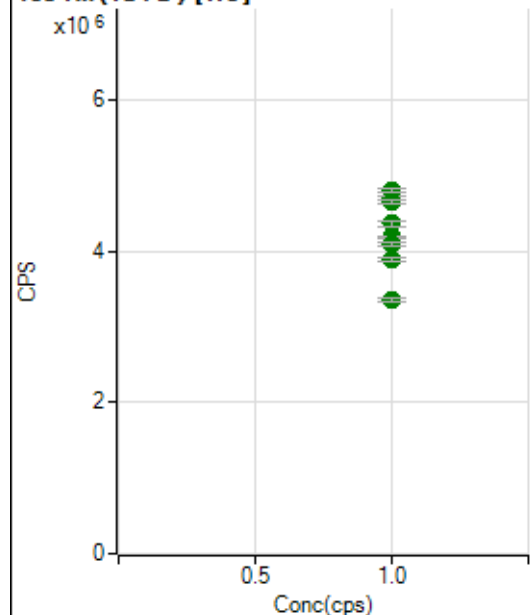
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		12022485.79		A	4.2
2	☐	1.000		12415260.93		A	0.6
3	☐	1.000		12528928.98		A	1.4
4	☐	1.000		11765908.57		A	0.8
5	☐	1.000		11282130.32		A	3.5
6	☐	1.000		11344979.97		A	3.6
7	☐	1.000		11329178.03		A	1.3
8	☐	1.000		10593908.66		A	1.6

89 Y(ISTD) [He]

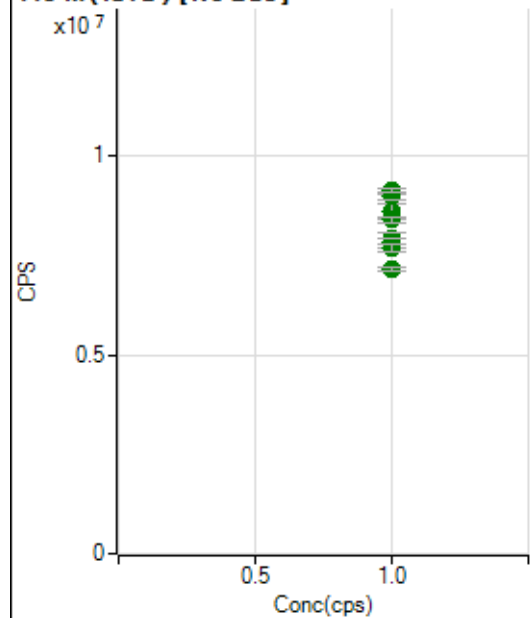
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2913373.88		A	1.1
2	☐	1.000		2955889.47		A	0.7
3	☐	1.000		2933408.95		A	0.7
4	☐	1.000		2783023.08		A	0.8
5	☐	1.000		2700404.56		A	0.9
6	☐	1.000		2701714.12		A	0.6
7	☐	1.000		2700730.59		A	0.3
8	☐	1.000		2555936.18		A	1.4

103 Rh(ISTD) [No Gas]

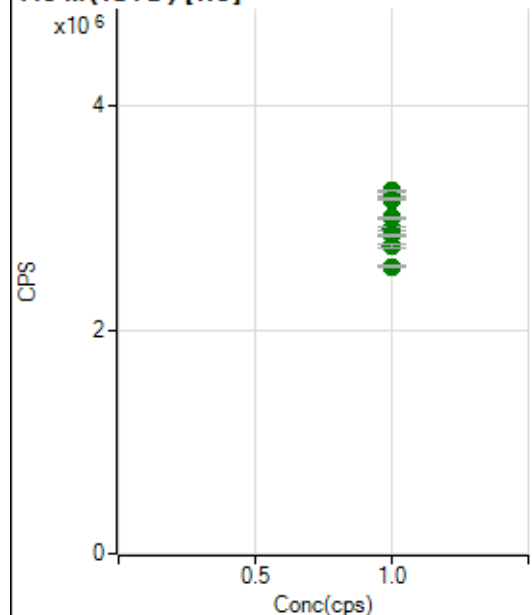
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7945452.03		A	2.9
2	☐	1.000		8194982.72		A	0.2
3	☐	1.000		8102304.32		A	1.4
4	☐	1.000		7545893.91		A	1.4
5	☐	1.000		6991465.94		A	3.8
6	☐	1.000		6900775.94		A	4.4
7	☐	1.000		6710628.99		A	2.0
8	☐	1.000		5814787.21		A	2.0

103 Rh (ISTD) [He]

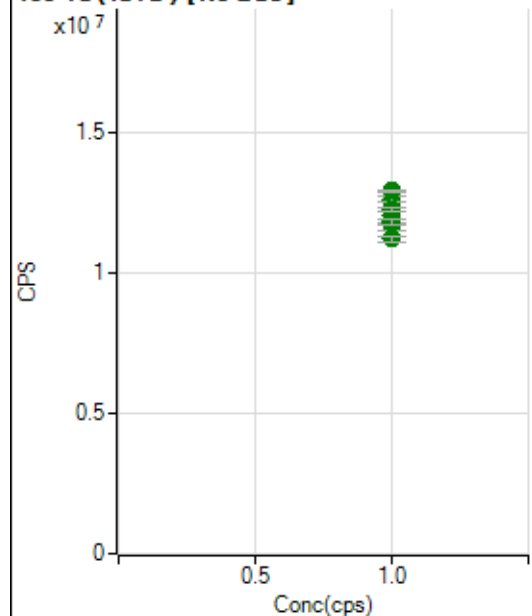
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4704896.39		A	1.5
2	☐	1.000		4794674.13		A	1.1
3	☐	1.000		4656992.67		A	1.1
4	☐	1.000		4359657.61		A	1.2
5	☐	1.000		4190360.01		A	0.5
6	☐	1.000		4096137.44		A	1.2
7	☐	1.000		3892785.12		A	1.4
8	☐	1.000		3353405.05		A	1.3

115 In (ISTD) [No Gas]

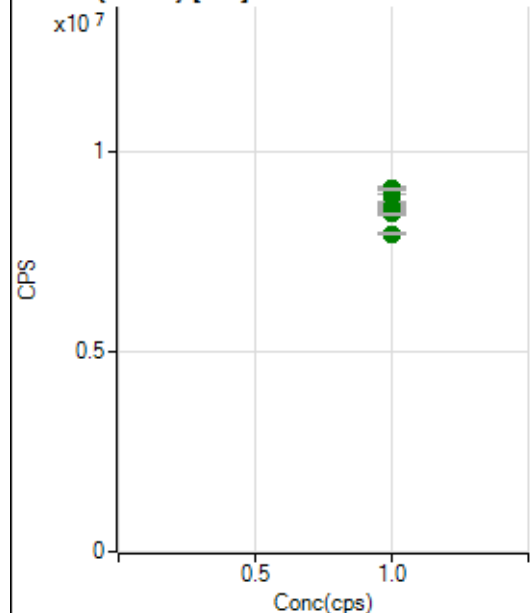
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8629364.40		A	4.4
2	☐	1.000		8997317.08		A	1.6
3	☐	1.000		9132125.69		A	1.2
4	☐	1.000		8400067.10		A	1.3
5	☐	1.000		7940639.34		A	3.3
6	☐	1.000		7827483.50		A	2.9
7	☐	1.000		7693707.86		A	2.3
8	☐	1.000		7162075.70		A	1.6

115 In (ISTD) [He]

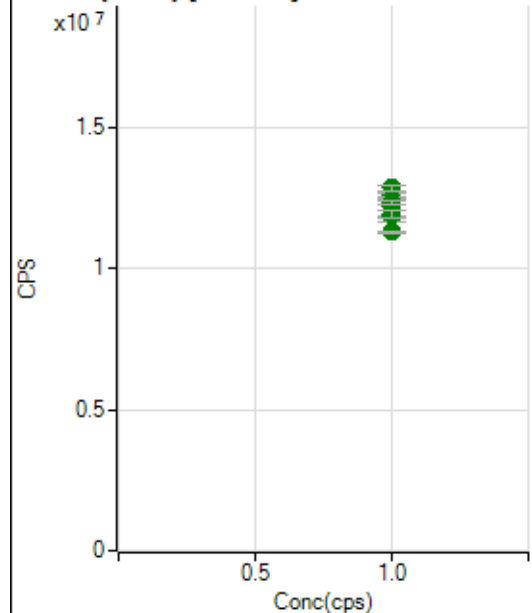
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3176100.86		A	0.7
2	☐	1.000		3240367.66		A	0.6
3	☐	1.000		3167875.15		A	0.4
4	☐	1.000		2999012.80		A	0.4
5	☐	1.000		2907607.67		A	1.2
6	☐	1.000		2846003.11		A	0.3
7	☐	1.000		2748298.85		A	1.5
8	☐	1.000		2566791.98		A	1.1

159 Tb (ISTD) [No Gas]

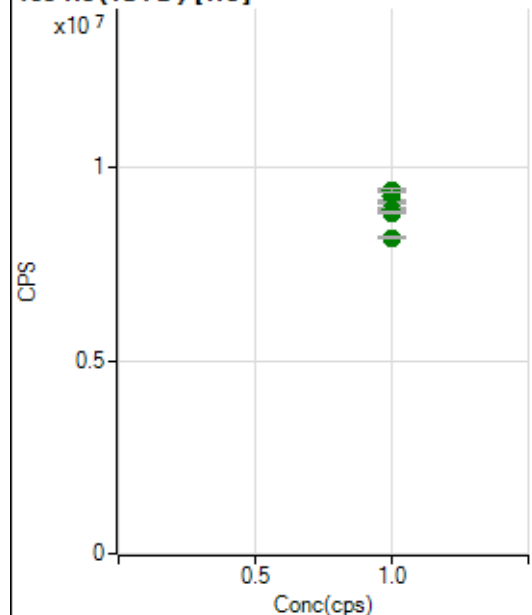
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		12058288.85		A	4.5
2	☐	1.000		12626474.67		A	1.7
3	☐	1.000		12918243.97		A	0.4
4	☐	1.000		12264266.21		A	1.1
5	☐	1.000		11710313.57		A	3.0
6	☐	1.000		11788313.16		A	1.8
7	☐	1.000		11828170.38		A	1.5
8	☐	1.000		11222655.94		A	1.9

159 Tb (ISTD) [He]

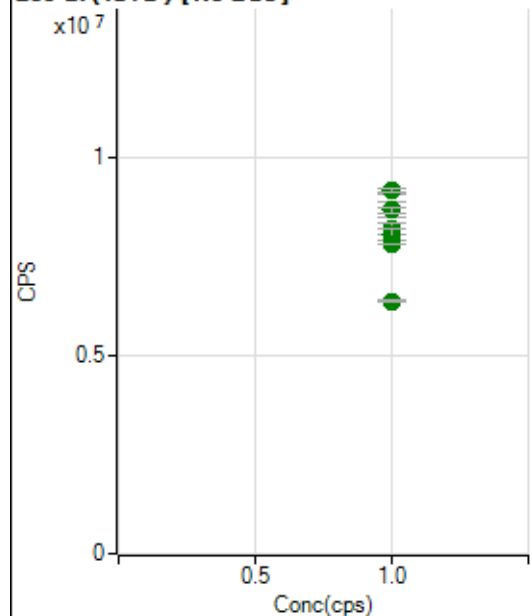
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8955621.19		A	0.3
2	☐	1.000		9078022.09		A	0.9
3	☐	1.000		9059902.30		A	0.4
4	☐	1.000		8727405.57		A	0.7
5	☐	1.000		8625765.63		A	0.6
6	☐	1.000		8542389.53		A	0.6
7	☐	1.000		8449793.77		A	0.3
8	☐	1.000		7955232.66		A	0.8

165 Ho (ISTD) [No Gas]

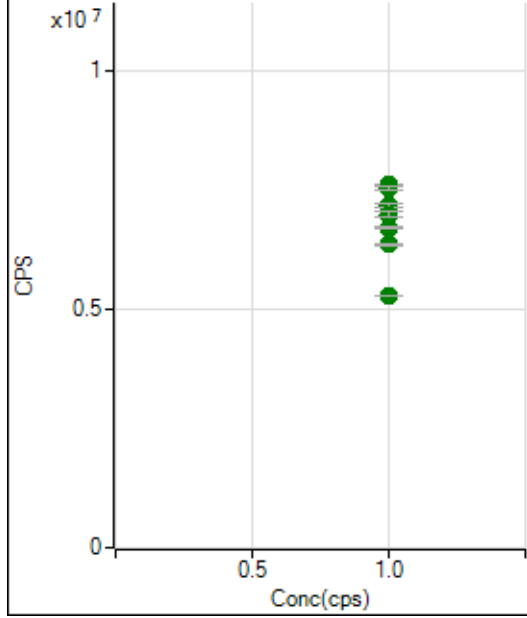
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		12165968.15		A	4.5
2	☐	1.000		12583168.42		A	0.9
3	☐	1.000		12857224.39		A	1.4
4	☐	1.000		12336785.51		A	1.1
5	☐	1.000		11853945.10		A	3.3
6	☐	1.000		11852756.77		A	3.1
7	☐	1.000		11935934.96		A	1.9
8	☐	1.000		11278522.05		A	0.9

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9252576.39		A	2.1
2	☐	1.000		9371237.36		A	0.5
3	☐	1.000		9387440.77		A	1.1
4	☐	1.000		9092478.96		A	0.3
5	☐	1.000		8927844.59		A	0.7
6	☐	1.000		8902306.46		A	0.9
7	☐	1.000		8826925.01		A	0.5
8	☐	1.000		8180899.05		A	0.7

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8660240.84		A	4.3
2	☐	1.000		9141032.71		A	1.6
3	☐	1.000		9139520.21		A	1.2
4	☐	1.000		8661586.61		A	1.7
5	☐	1.000		8181030.64		A	3.6
6	☐	1.000		8031461.69		A	3.8
7	☐	1.000		7799872.73		A	0.5
8	☐	1.000		6365724.70		A	1.3

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7547728.29		A	1.3
2	☐	1.000		7617254.40		A	0.8
3	☐	1.000		7567270.79		A	1.1
4	☐	1.000		7191877.88		A	1.0
5	☐	1.000		6997278.78		A	1.5
6	☐	1.000		6717391.98		A	0.6
7	☐	1.000		6362151.99		A	0.3
8	☐	1.000		5275071.87		A	0.1