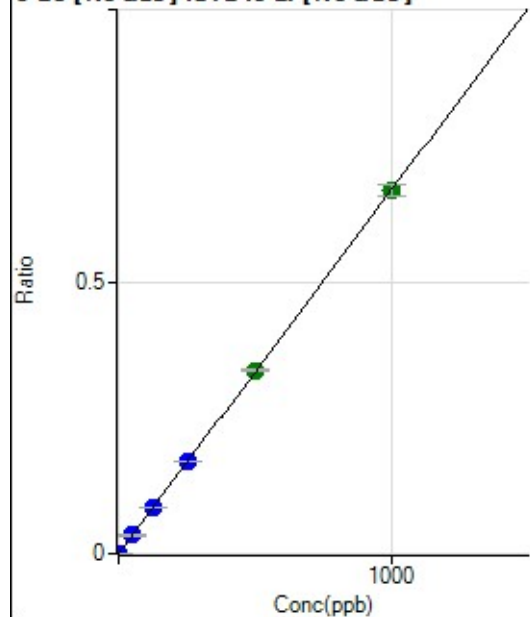


Calibration for 007CALS.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\P7123021MS.b\
 Analysis File: P7123021MS.batch.bin
 DA Date-Time: 01/12/22 15:45:59
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	12/30/21 15:13:28
2	005CALS.d	S02	12/30/21 15:19:48
3	006CALS.d	S03	12/30/21 15:23:00
4	007CALS.d	S04	12/30/21 15:26:09
5	008CALS.d	S05	12/30/21 15:29:06
6	009CALS.d	S06	12/30/21 15:32:10
7	010CALS.d	S07	12/30/21 15:35:07
8	011CALS.d	S08	12/30/21 15:37:55

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	37.78	0.0000	P	20.7
2	☐	1.000	0.978	2553.56	0.0007	P	0.8
3	☐	50.000	50.321	136450.43	0.0337	P	1.9
4	☐	125.000	126.934	331766.18	0.0849	P	0.5
5	☐	250.000	253.517	658392.91	0.1696	P	0.8
6	☐	500.000	502.779	1337722.61	0.3363	A	0.8
7	☐	1000.000	997.474	2503460.87	0.6672	A	3.0
8	☐			585.57	0.0002	P	9.4

$$y = 6.6886\text{E-}004 * x + 9.4152\text{E-}006$$

$$R = 1.0000$$

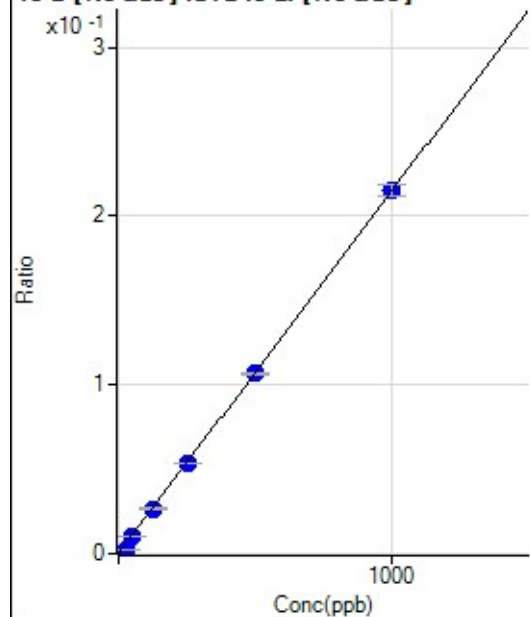
$$DL = 0.008737$$

$$BEC = 0.01408$$

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	711.15	0.0002	P	11.8
2	☐	25.000	11.915	10506.61	0.0027	P	3.8
3	☐	50.000	47.378	41876.92	0.0103	P	2.9
4	☐	125.000	123.789	104344.94	0.0267	P	2.3
5	☐	250.000	249.769	208537.39	0.0537	P	1.3
6	☐	500.000	498.354	425595.64	0.1070	P	1.0
7	☐	1000.000	1001.490	806174.33	0.2148	P	3.0
8	☐			22052.27	0.0066	P	7.9

$$y = 2.1433\text{E-}004 * x + 1.7778\text{E-}004$$

$$R = 0.9999$$

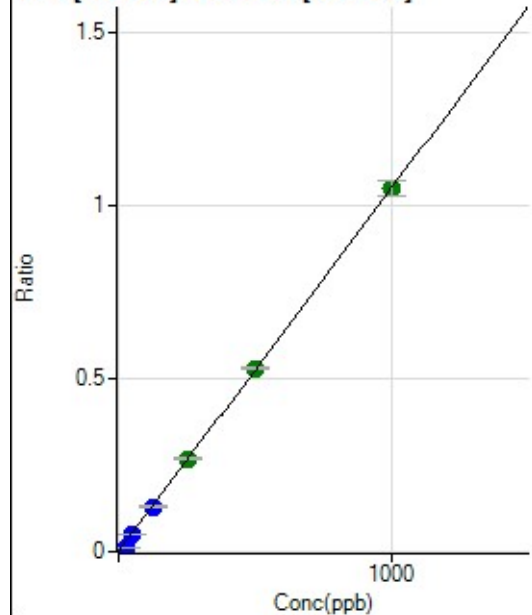
$$DL = 0.2943$$

$$BEC = 0.8295$$

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	3183.74	0.0008	P	3.0
2	☐	25.000	11.585	49836.14	0.0130	P	1.6
3	☐	50.000	47.781	206536.86	0.0510	P	1.8
4	☐	125.000	122.943	507272.51	0.1299	P	2.7
5	☐	250.000	255.415	1044060.97	0.2689	A	1.1
6	☐	500.000	502.785	2102616.43	0.5286	A	1.1
7	☐	1000.000	997.957	3933188.85	1.0484	A	4.1
8	☐			108189.75	0.0321	P	9.6

$$y = 0.0010 * x + 7.9464E-004$$

$$R = 0.9999$$

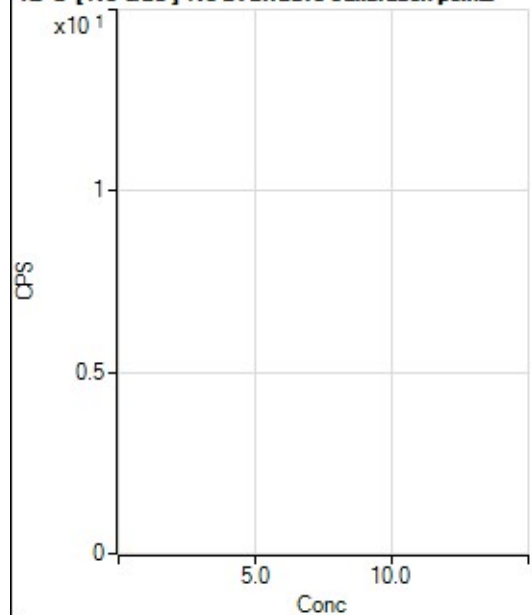
$$DL = 0.06829$$

$$BEC = 0.757$$

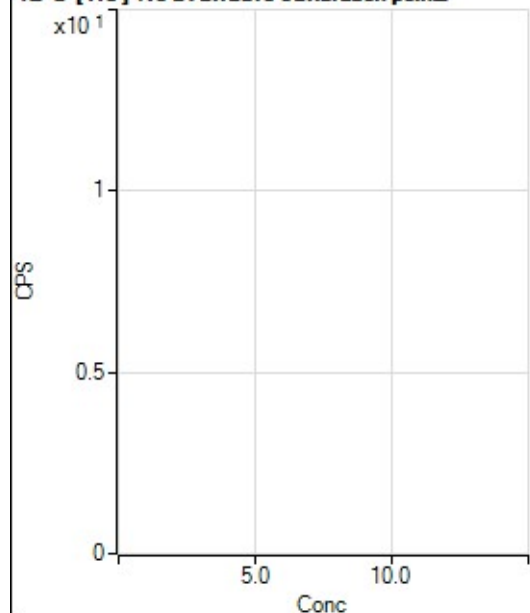
Weight: <None>

Min Conc: 0

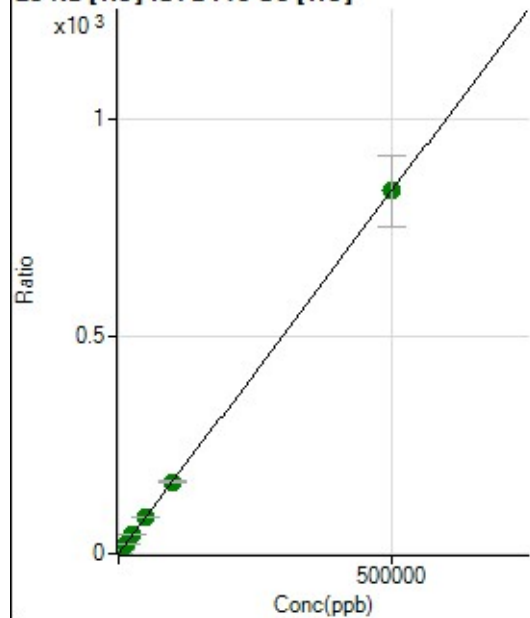
12 C [No Gas] No available calibration points



	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	17873.52	0.0301	P	4.6
2	☐	500.000	571.947	510211.61	0.9837	P	13.8
3	☐	5000.000	5142.281	5302120.72	8.6034	A	1.1
4	☐	12500.000	12673.457	13232297.98	21.1594	A	0.1
5	☐	25000.000	25372.068	27411011.03	42.3306	A	0.7
6	☐	50000.000	50343.497	53994360.00	83.9632	A	0.4
7	☐	100000.00	98355.974	101579920.79	164.0100	A	3.1
8	☐	500000.00	500270.02	511482918.84	834.0844	A	19.6

$$y = 0.0017 * x + 0.0301$$

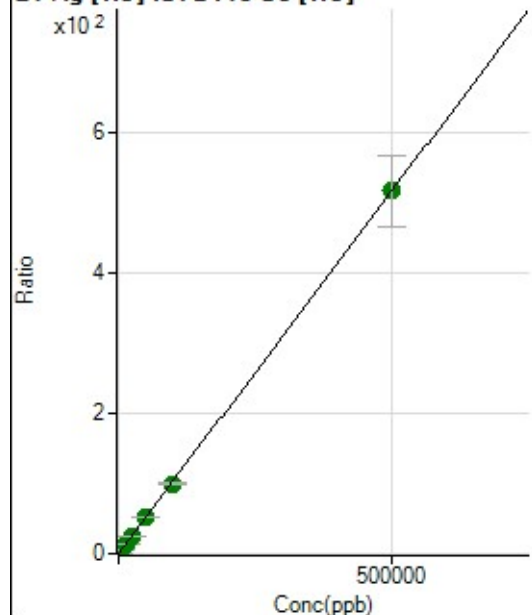
$$R = 1.0000$$

$$DL = 2.498$$

$$BEC = 18.06$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	292.60	0.0005	P	18.8
2	☐	500.000	567.783	303913.52	0.5858	P	13.5
3	☐	5000.000	5117.947	3251707.80	5.2764	A	1.6
4	☐	12500.000	12528.656	8076862.57	12.9158	A	0.3
5	☐	25000.000	24816.598	16565606.39	25.5829	A	0.3
6	☐	50000.000	49438.041	32774989.62	50.9641	A	1.1
7	☐	100000.00	96772.229	61785445.36	99.7590	A	3.0
8	☐	500000.00	500708.95	316555851.52	516.1608	A	19.5

$$y = 0.0010 * x + 4.9467E-004$$

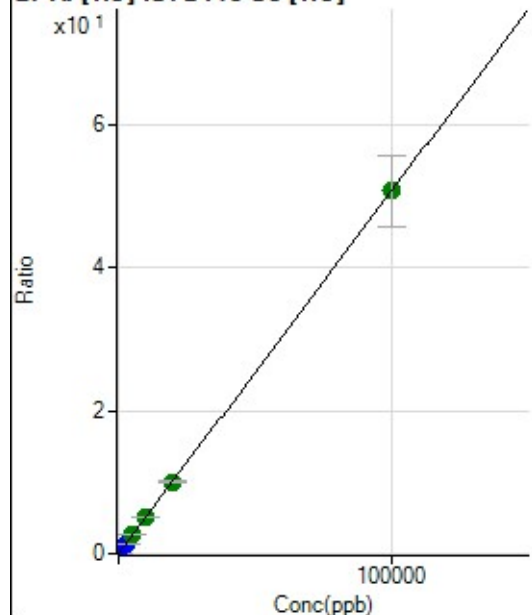
$$R = 1.0000$$

$$DL = 0.2708$$

$$BEC = 0.4799$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	142.60	0.0002	P	15.0
2	☐	20.000	21.911	5901.25	0.0114	P	12.4
3	☐	1000.000	1618.586	506643.95	0.8221	P	1.0
4	☐	2500.000	2750.664	873604.30	1.3969	P	0.5
5	☐	5000.000	5139.711	1690094.25	2.6100	A	0.6
6	☐	10000.000	10161.753	3318426.95	5.1600	A	0.3
7	☐	20000.000	19724.251	6203962.12	10.0155	A	2.0
8	☐	100000.00	100019.53	31139217.59	50.7864	A	19.7

$$y = 5.0776E-004 * x + 2.4087E-004$$

$$R = 1.0000$$

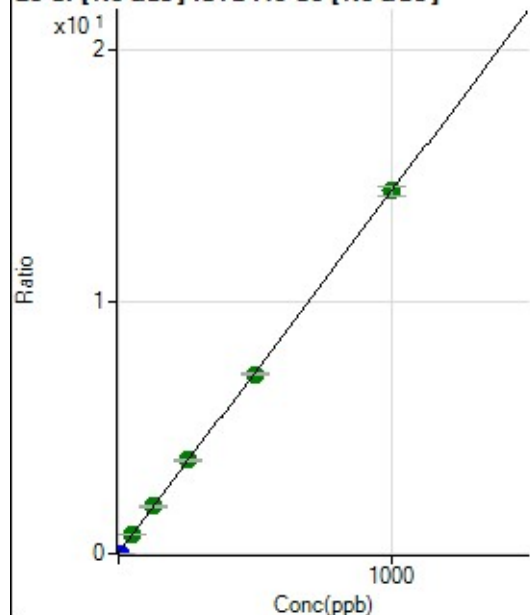
$$DL = 0.2134$$

$$BEC = 0.4744$$

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	163713.80	0.0263	P	1.2
2	☐	10.000	0.715	224676.53	0.0365	P	1.3
3	☐	50.000	51.692	4908576.19	0.7675	A	2.8
4	☐	125.000	128.553	11719444.36	1.8697	A	1.3
5	☐	250.000	256.737	23297399.82	3.7078	A	2.2
6	☐	500.000	494.184	46558271.53	7.1127	A	1.4
7	☐	1000.000	1000.788	86925563.06	14.3772	A	2.9
8	☐			484719.18	0.0807	P	2.1

$$y = 0.0143 * x + 0.0263$$

$$R = 0.9999$$

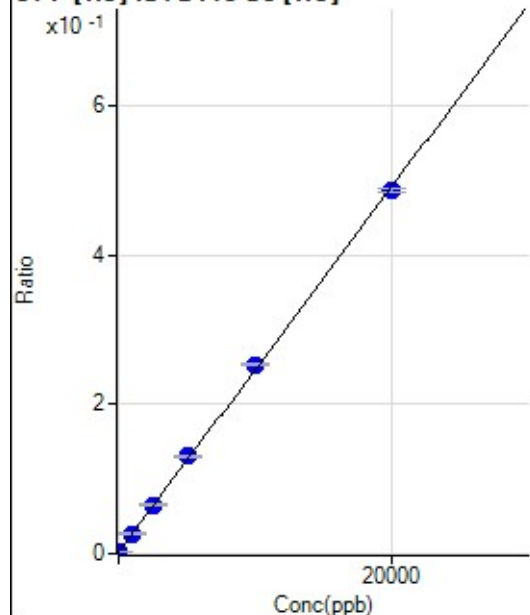
$$DL = 0.06815$$

$$BEC = 1.831$$

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	-13.779	1022.29	0.0017	P	14.7
2	☐	0.000	13.779	1241.75	0.0024	P	17.1
3	☐	1000.000	1012.363	16517.63	0.0268	P	2.1
4	☐	2500.000	2593.517	40921.89	0.0654	P	2.0
5	☐	5000.000	5255.092	84488.58	0.1305	P	0.8
6	☐	10000.000	10256.931	162509.46	0.2527	P	1.2
7	☐	20000.000	19795.454	300971.11	0.4858	P	1.2
8	☐			1275.09	0.0021	P	26.0

$$y = 2.4438E-005 * x + 0.0021$$

$$R = 0.9998$$

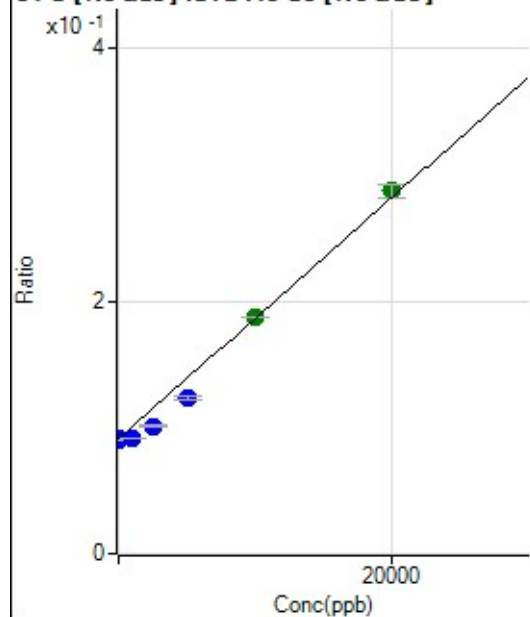
$$DL = 40.65$$

$$BEC = 84.37$$

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	101.465	574047.61	0.0921	P	0.8
2	☐	0.000	-101.465	554656.02	0.0901	P	0.6
3	☐	1000.000	25.915	584185.48	0.0913	P	1.6
4	☐	2500.000	1064.583	634628.62	0.1012	P	1.0
5	☐	5000.000	3377.247	774798.92	0.1233	P	1.4
6	☐	10000.000	10133.164	1228845.30	0.1877	A	0.3
7	☐	20000.000	20567.238	1736626.62	0.2873	A	3.5
8	☐			490993.42	0.0818	P	1.7

$$y = 9.5382\text{E-}006 * x + 0.0911$$

R = 0.9953

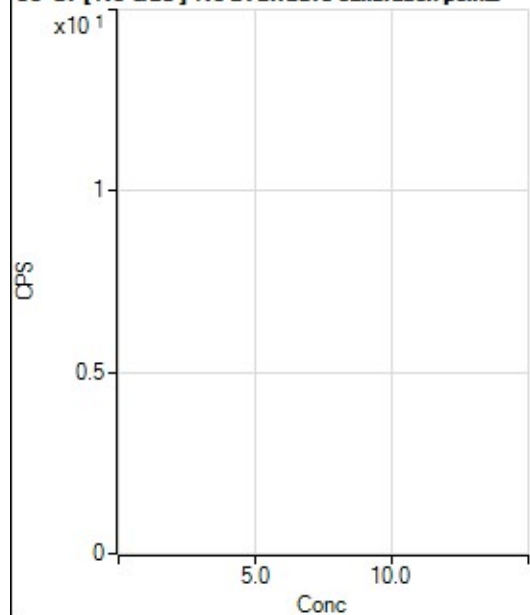
DL = 199.2

BEC = 9550

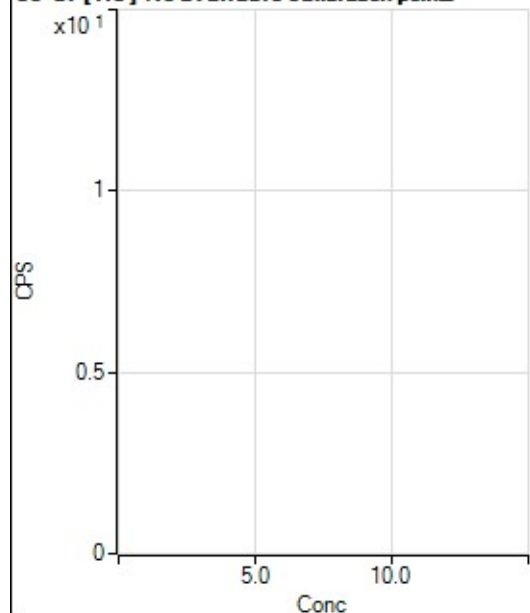
Weight: <None>

Min Conc: 0

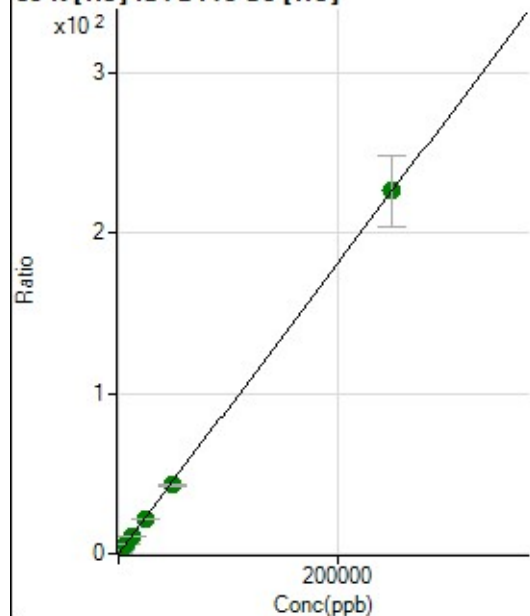
35 Cl [No Gas] No available calibration points



	R _j 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	52354.61	0.0882	P	3.7
2	☐	500.000	589.005	321820.36	0.6200	P	13.0
3	☐	2500.000	2438.025	1411085.15	2.2896	A	0.3
4	☐	6250.000	6074.814	3485271.43	5.5735	A	1.0
5	☐	12500.000	12175.403	7176323.94	11.0821	A	1.0
6	☐	25000.000	24002.709	13992966.46	21.7617	A	0.8
7	☐	50000.000	47135.991	26420319.86	42.6501	A	1.7
8	☐	250000.00	250693.58	138894391.99	226.4543	A	19.5

$$y = 9.0296E-004 * x + 0.0882$$

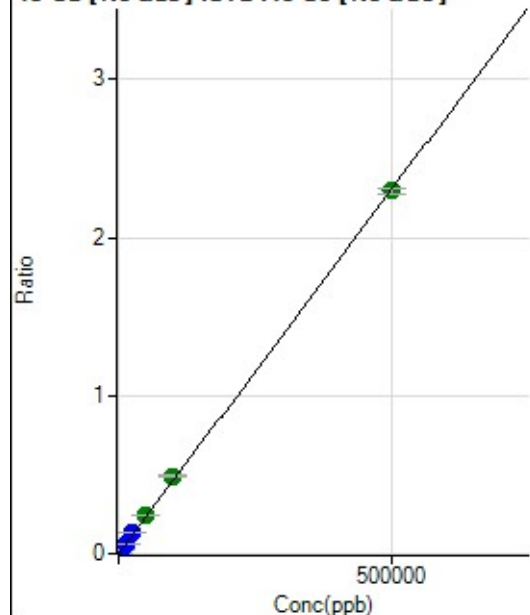
$$R = 0.9999$$

$$DL = 10.74$$

$$BEC = 97.68$$

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	222.23	0.0000	P	8.7
2	☐	500.000	494.306	14234.77	0.0023	P	2.9
3	☐	5000.000	5643.655	166521.10	0.0260	P	1.5
4	☐	12500.000	13948.951	403009.78	0.0643	P	1.7
5	☐	25000.000	27968.708	809835.00	0.1289	P	1.4
6	☐	50000.000	52628.477	1587148.75	0.2425	A	0.9
7	☐	100000.00	106450.72	2965313.09	0.4904	A	2.8
8	☐	500000.00	498255.91	13783623.74	2.2953	A	1.3

$$y = 4.6067\text{E-}006 * x + 3.5654\text{E-}005$$

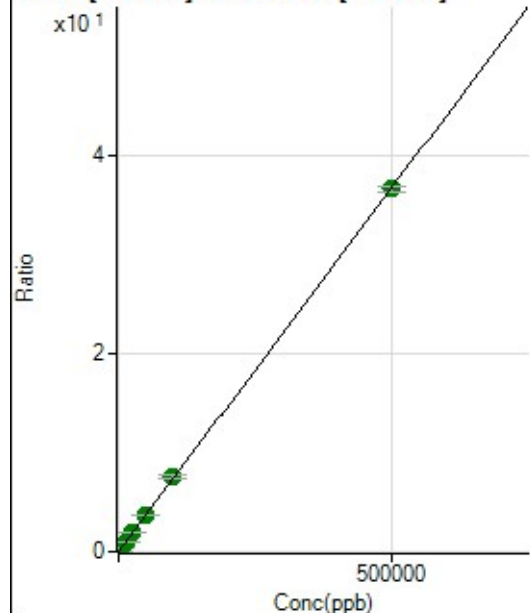
$$R = 0.9999$$

$$DL = 2.015$$

$$BEC = 7.74$$

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	14868.75	0.0024	P	0.8
2	☐	500.000	493.440	237155.87	0.0385	P	0.4
3	☐	5000.000	5318.397	2507549.77	0.3920	A	0.3
4	☐	12500.000	13045.341	6005847.61	0.9581	A	0.9
5	☐	25000.000	26217.299	12084322.49	1.9231	A	1.3
6	☐	50000.000	51115.095	24526722.08	3.7472	A	0.2
7	☐	100000.00	103749.06	45966405.19	7.6033	A	4.3
8	☐	500000.00	499061.00	219572246.57	36.5647	A	1.4

$$y = 7.3262\text{E-}005 * x + 0.0024$$

$$R = 1.0000$$

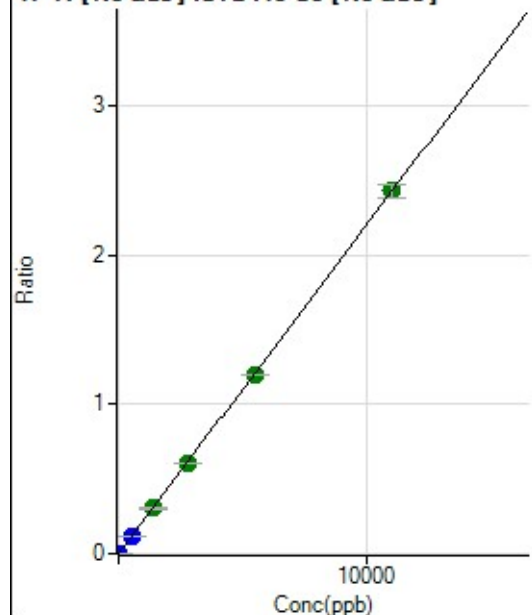
$$DL = 0.751$$

$$BEC = 32.55$$

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	75.00	0.0000	P	58.8
2	☐	5.000	4.831	6632.20	0.0011	P	6.7
3	☐	550.000	548.817	774451.72	0.1211	P	1.2
4	☐	1375.000	1379.379	1907746.31	0.3043	A	1.3
5	☐	2750.000	2742.865	3802297.39	0.6051	A	1.0
6	☐	5500.000	5438.985	7853838.54	1.1999	A	0.9
7	☐	11000.000	11031.803	14716306.58	2.4337	A	3.4
8	☐			3808.93	0.0006	P	7.5

$$y = 2.2060\text{E-}004 * x + 1.2071\text{E-}005$$

$$R = 1.0000$$

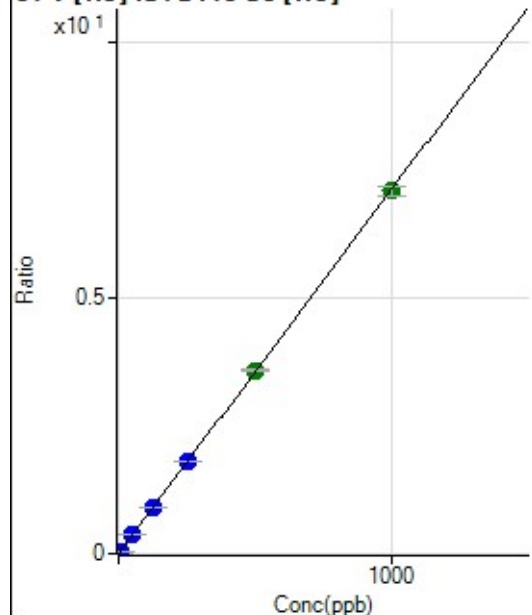
$$DL = 0.09645$$

$$BEC = 0.05472$$

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	13.33	0.0000	P	40.8
2	☐	5.000	5.840	21596.64	0.0416	P	13.8
3	☐	50.000	50.993	223940.56	0.3634	P	0.3
4	☐	125.000	128.167	571081.09	0.9133	P	0.9
5	☐	250.000	255.391	1178369.54	1.8198	P	0.5
6	☐	500.000	503.690	2307748.56	3.5890	A	1.3
7	☐	1000.000	996.357	4397143.30	7.0995	A	2.9
8	☐			1144.50	0.0019	P	14.0

$$y = 0.0071 * x + 2.2313\text{E-}005$$

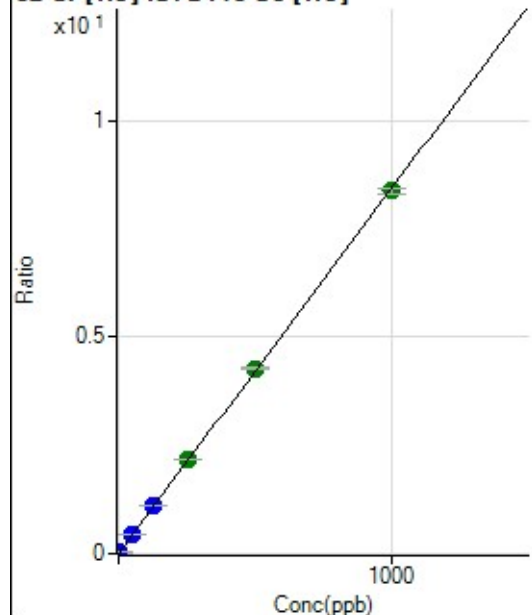
$$R = 1.0000$$

$$DL = 0.003828$$

$$BEC = 0.003131$$

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	2384.66	0.0040	P	3.4
2	☐	2.000	2.420	12657.66	0.0244	P	14.1
3	☐	50.000	53.039	277947.11	0.4510	P	0.6
4	☐	125.000	130.152	688410.32	1.1009	P	0.7
5	☐	250.000	257.250	1406533.14	2.1720	A	0.6
6	☐	500.000	507.678	2753672.25	4.2825	A	1.4
7	☐	1000.000	993.551	5189448.22	8.3773	A	1.7
8	☐			13124.69	0.0214	P	18.3

$$y = 0.0084 * x + 0.0040$$

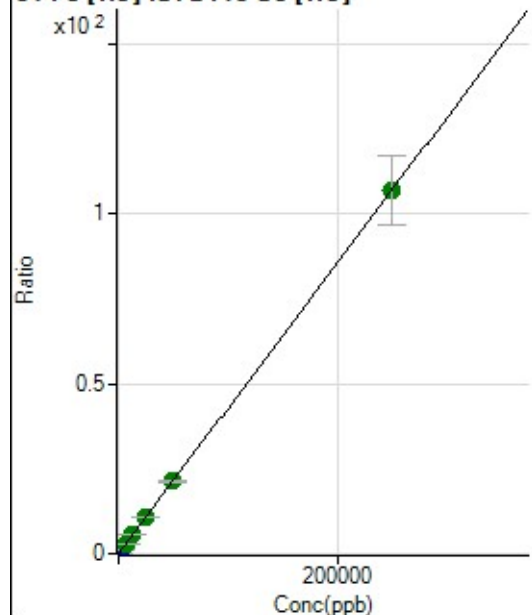
$$R = 0.9999$$

$$DL = 0.04915$$

$$BEC = 0.4765$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1217.97	0.0021	P	12.7
2	☐	50.000	64.463	15306.84	0.0296	P	17.0
3	☐	2500.000	2695.069	710345.76	1.1526	P	0.7
4	☐	6250.000	6553.579	1750706.71	2.7999	A	1.9
5	☐	12500.000	13156.126	3638363.68	5.6187	A	0.3
6	☐	25000.000	25471.412	6992918.82	10.8763	A	1.7
7	☐	50000.000	50095.369	13248877.89	21.3887	A	2.1
8	☐	250000.00	249891.43	65465994.10	106.6855	A	19.0

$$y = 4.2692E-004 * x + 0.0021$$

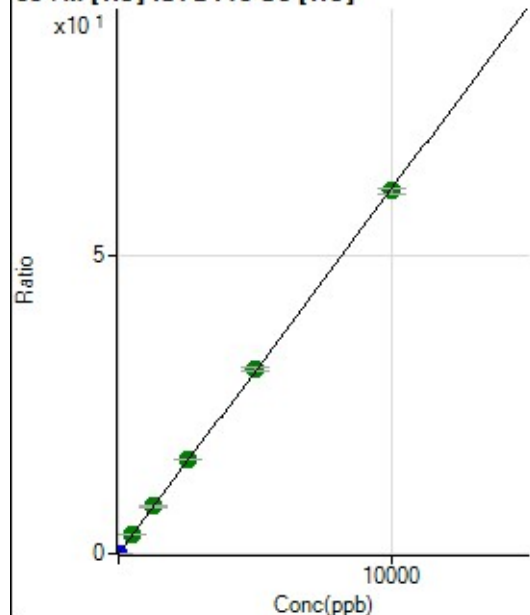
$$R = 1.0000$$

$$DL = 1.84$$

$$BEC = 4.813$$

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	106.67	0.0002	P	36.6
2	☐	1.000	1.230	3992.78	0.0077	P	13.4
3	☐	500.000	520.925	1962085.39	3.1837	A	1.1
4	☐	1250.000	1292.563	4939938.43	7.8995	A	0.2
5	☐	2500.000	2573.546	10183736.79	15.7281	A	1.0
6	☐	5000.000	5058.804	19878483.18	30.9164	A	1.2
7	☐	10000.000	9945.845	37654615.00	60.7829	A	1.5
8	☐			26702.63	0.0434	P	16.2

$$y = 0.0061 * x + 1.7901E-004$$

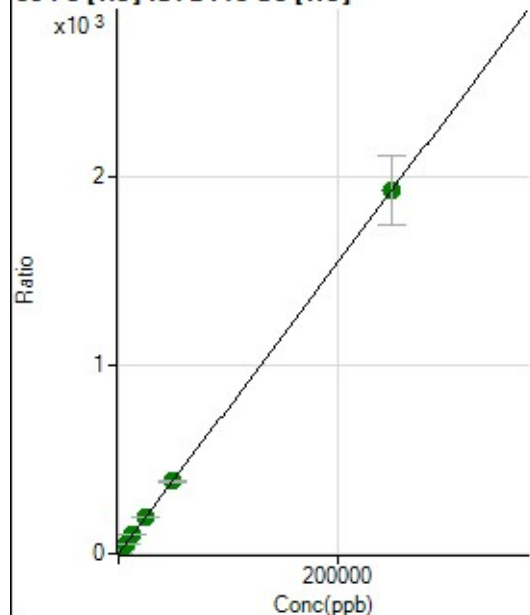
$$R = 0.9999$$

$$DL = 0.03214$$

$$BEC = 0.02929$$

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	6786.84	0.0114	P	7.3
2	☐	50.000	60.263	246421.68	0.4752	P	14.1
3	☐	2500.000	2621.470	12439013.36	20.1836	A	0.2
4	☐	6250.000	6519.511	31377598.39	50.1790	A	1.0
5	☐	12500.000	12886.687	64216429.22	99.1743	A	0.9
6	☐	25000.000	25398.312	125673227.81	195.4510	A	1.1
7	☐	50000.000	49829.802	237528223.83	383.4509	A	1.9
8	☐	250000.00	249966.92	1180031974.5	1,923.502	A	19.2

$$y = 0.0077 * x + 0.0114$$

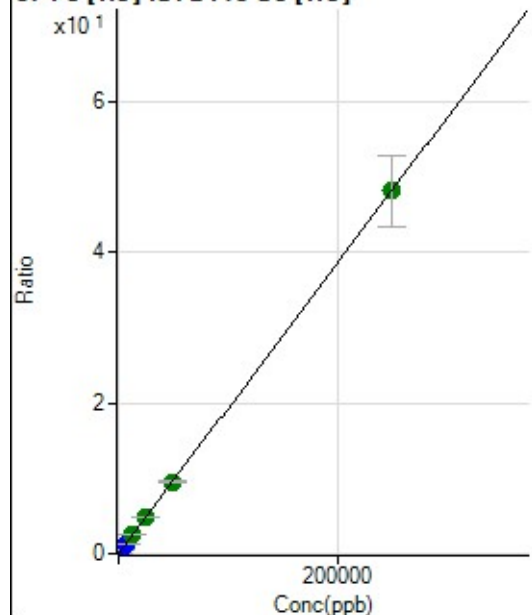
$$R = 1.0000$$

$$DL = 0.3249$$

$$BEC = 1.487$$

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	277.78	0.0005	P	18.0
2	☐	50.000	62.875	6523.75	0.0126	P	13.9
3	☐	2500.000	2627.212	312008.50	0.5063	P	0.3
4	☐	6250.000	6569.815	791231.04	1.2653	P	0.6
5	☐	12500.000	12917.876	1610844.99	2.4874	A	2.1
6	☐	25000.000	25212.188	3121135.08	4.8543	A	1.6
7	☐	50000.000	49238.683	5872323.16	9.4799	A	2.1
8	☐	250000.00	250100.88	29521182.84	48.1501	A	19.8

$$y = 1.9252\text{E-}004 * x + 4.6943\text{E-}004$$

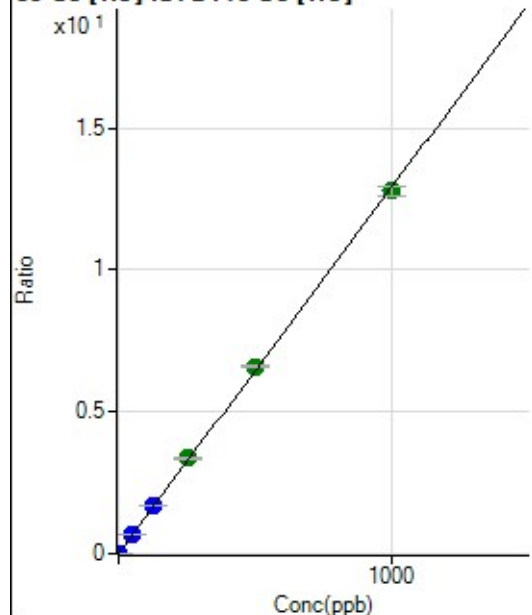
$$R = 1.0000$$

$$DL = 1.314$$

$$BEC = 2.438$$

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	167.78	0.0003	P	12.0
2	☐	1.000	1.202	8197.86	0.0158	P	12.8
3	☐	50.000	52.428	417323.60	0.6772	P	0.3
4	☐	125.000	130.357	1052596.14	1.6833	P	0.6
5	☐	250.000	260.841	2180732.62	3.3679	A	0.8
6	☐	500.000	511.641	4247298.96	6.6059	A	1.5
7	☐	1000.000	990.678	7922148.56	12.7906	A	2.8
8	☐			14080.05	0.0229	P	17.3

$$y = 0.0129 * x + 2.8322\text{E-}004$$

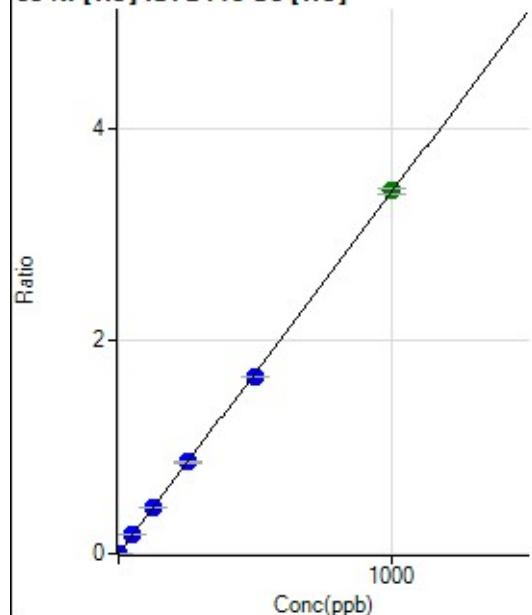
$$R = 0.9998$$

$$DL = 0.007883$$

$$BEC = 0.02194$$

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	443.34	0.0007	P	12.5
2	☐	1.000	1.232	2563.58	0.0049	P	11.3
3	☐	50.000	53.617	112718.09	0.1829	P	1.8
4	☐	125.000	128.044	272494.44	0.4358	P	0.7
5	☐	250.000	253.553	558268.28	0.8622	P	1.4
6	☐	500.000	489.617	1070063.93	1.6642	P	0.9
7	☐	1000.000	1003.742	2113206.63	3.4108	A	1.8
8	☐			4509.61	0.0073	P	17.3

$$y = 0.0034 * x + 7.4777E-004$$

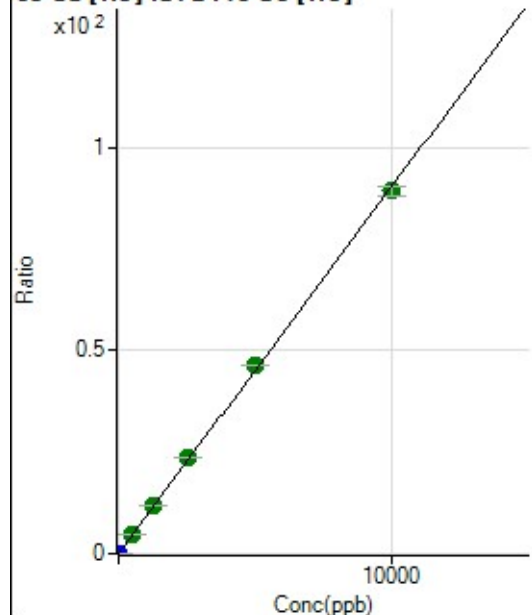
$$R = 0.9999$$

$$DL = 0.08284$$

$$BEC = 0.2201$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1766.79	0.0030	P	4.2
2	☐	2.000	2.443	12994.63	0.0250	P	14.1
3	☐	500.000	539.136	3003763.98	4.8741	A	1.4
4	☐	1250.000	1324.938	7487638.57	11.9739	A	0.6
5	☐	2500.000	2625.764	15363483.94	23.7269	A	1.1
6	☐	5000.000	5134.860	29834342.33	46.3968	A	0.7
7	☐	10000.000	9889.805	55345915.84	89.3580	A	2.9
8	☐			19814.39	0.0321	P	14.9

$$y = 0.0090 * x + 0.0030$$

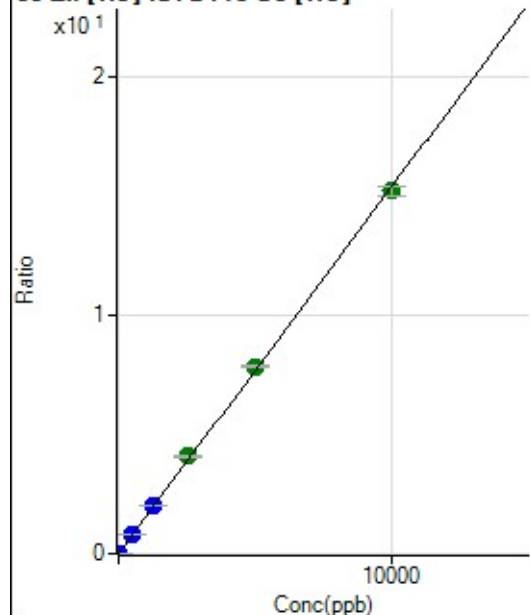
$$R = 0.9998$$

$$DL = 0.04179$$

$$BEC = 0.3294$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	450.01	0.0008	P	3.7
2	☐	2.000	2.740	2572.47	0.0050	P	18.5
3	☐	500.000	537.296	510483.69	0.8283	P	0.5
4	☐	1250.000	1331.682	1283146.44	2.0519	P	0.3
5	☐	2500.000	2661.361	2654657.41	4.0999	A	1.3
6	☐	5000.000	5101.630	5052975.27	7.8585	A	1.2
7	☐	10000.000	9896.770	9442375.07	15.2442	A	2.4
8	☐			14884.17	0.0242	P	16.9

$$y = 0.0015 * x + 7.5682E-004$$

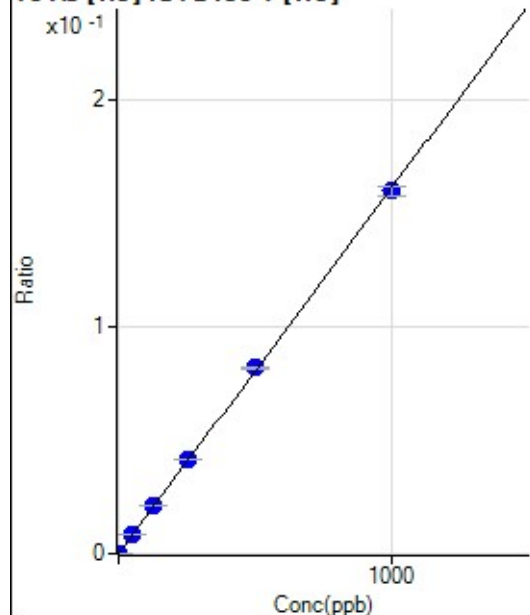
$$R = 0.9998$$

$$DL = 0.05434$$

$$BEC = 0.4914$$

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	16.67	0.0000	P	19.2
2	☐	1.000	1.212	572.85	0.0002	P	8.3
3	☐	50.000	51.046	28664.58	0.0082	P	1.0
4	☐	125.000	131.295	72879.27	0.0212	P	1.7
5	☐	250.000	259.446	150574.97	0.0419	P	0.5
6	☐	500.000	508.662	292583.55	0.0821	P	0.7
7	☐	1000.000	992.468	548830.42	0.1602	P	2.7
8	☐			291.36	0.0001	P	18.7

$$y = 1.6139E-004 * x + 5.0164E-006$$

$$R = 0.9999$$

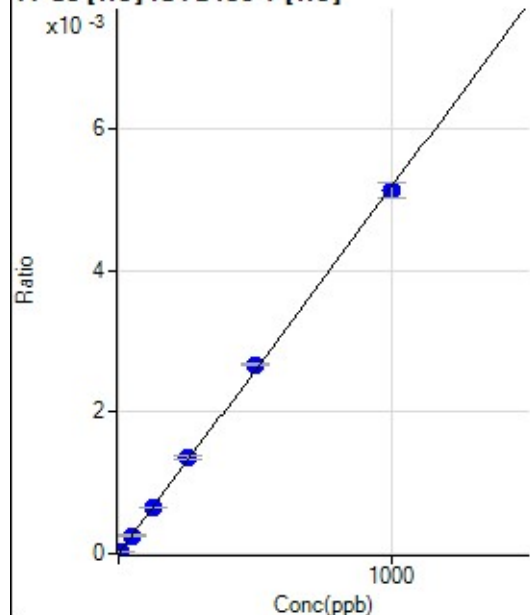
$$DL = 0.01793$$

$$BEC = 0.03108$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	5.513	81.11	0.0000	P	21.7
3	☐	50.000	49.802	897.81	0.0003	P	5.4
4	☐	125.000	125.786	2242.42	0.0007	P	1.4
5	☐	250.000	263.165	4904.19	0.0014	P	4.6
6	☐	500.000	515.081	9516.48	0.0027	P	1.4
7	☐	1000.000	989.077	17565.02	0.0051	P	4.2
8	☐			8.89	0.0000	P	91.0

$$y = 5.1847\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9997$$

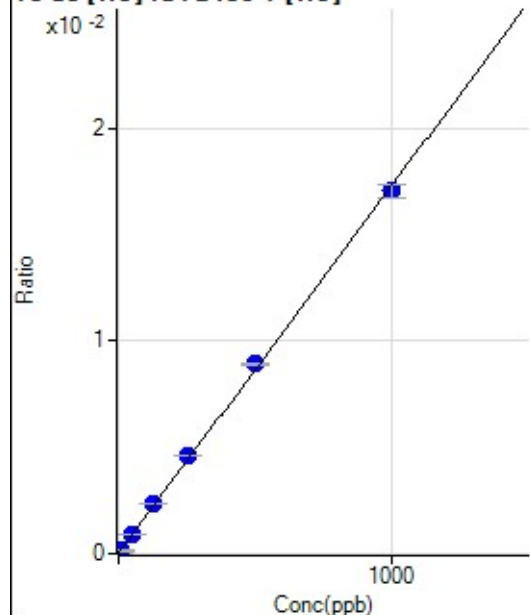
$$DL = 0$$

$$BEC = 0$$

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	87.65	0.0000	P	21.7
2	☐	5.000	7.089	421.61	0.0001	P	21.7
3	☐	50.000	51.543	3184.31	0.0009	P	2.9
4	☐	125.000	136.212	8171.43	0.0024	P	1.3
5	☐	250.000	265.959	16592.03	0.0046	P	0.3
6	☐	500.000	515.655	31793.91	0.0089	P	0.6
7	☐	1000.000	986.694	58398.29	0.0170	P	3.7
8	☐			111.73	0.0000	P	22.6

$$y = 1.7251\text{E-}005 * x + 2.6629\text{E-}005$$

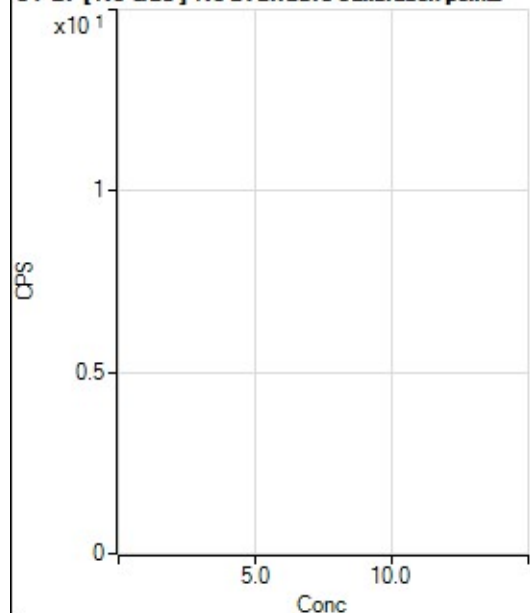
$$R = 0.9996$$

$$DL = 1.007$$

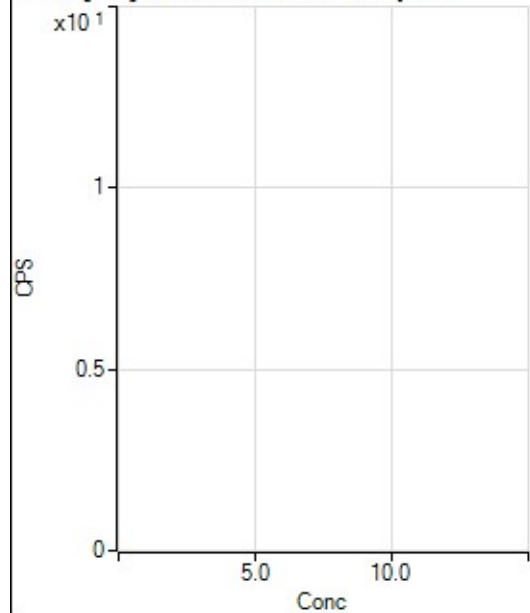
$$BEC = 1.544$$

Weight: <None>

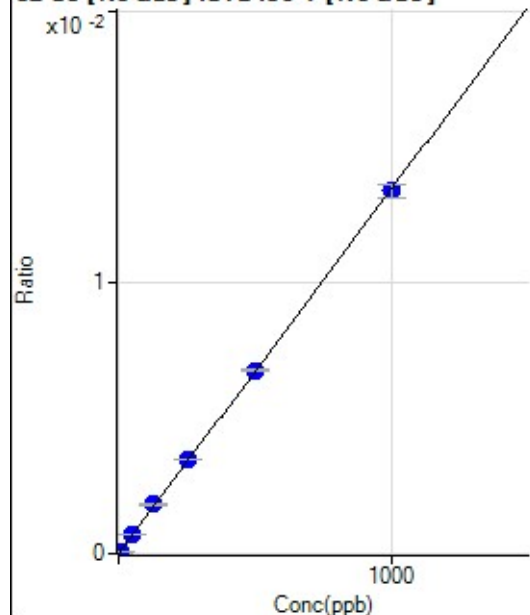
Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2322.47		P	5.3
2	☐			2203.00		P	3.6
3	☐			2272.46		P	5.3
4	☐			2194.67		P	15.2
5	☐			2286.35		P	6.4
6	☐			2414.15		P	8.5
7	☐			2425.28		P	8.6
8	☐			2489.16		P	6.9

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			83.42		P	27.7
2	☐			76.74		P	32.8
3	☐			60.06		P	44.1
4	☐			60.06		P	16.7
5	☐			46.71		P	86.6
6	☐			80.08		P	54.5
7	☐			66.73		P	22.9
8	☐			93.43		P	22.3

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-11.53	0.0000	P	-486.
2	☐	5.000	5.419	922.71	0.0001	P	4.7
3	☐	50.000	53.105	9631.81	0.0007	P	1.6
4	☐	125.000	134.608	23825.55	0.0018	P	0.4
5	☐	250.000	260.116	46676.69	0.0035	P	0.3
6	☐	500.000	502.800	94283.83	0.0068	P	0.7
7	☐	1000.000	994.713	173694.53	0.0134	P	3.5
8	☐			52.63	0.0000	P	118.7

$$y = 1.3475E-005 * x - 8.9017E-007$$

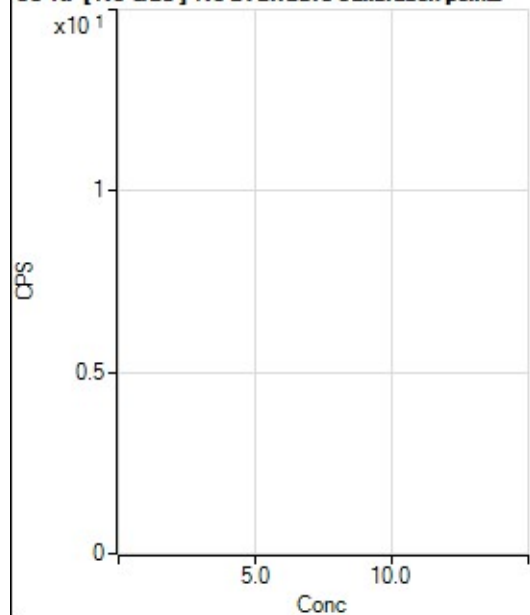
$$R = 0.9999$$

$$DL = 0.9641$$

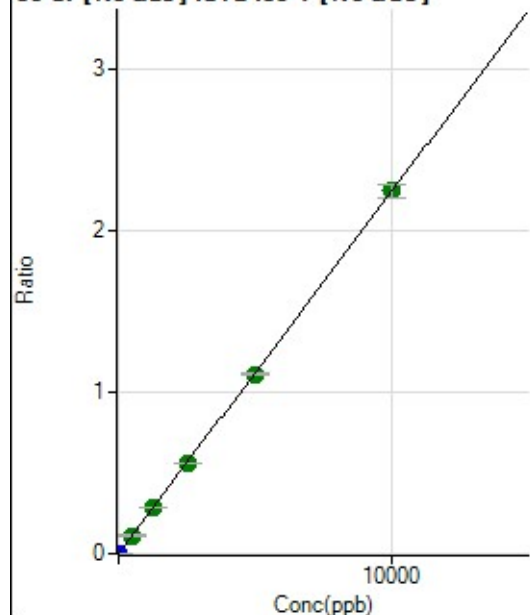
$$BEC = -0.06606$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			922.26		P	0.9
2	☐			855.59		P	4.1
3	☐			926.70		P	3.2
4	☐			918.93		P	4.1
5	☐			1011.16		P	4.5
6	☐			938.93		P	5.2
7	☐			892.26		P	6.9
8	☐			947.82		P	7.6

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1480.67	0.0001	P	3.1
2	☐	1.000	0.945	4153.47	0.0003	P	4.3
3	☐	500.000	503.683	1525416.86	0.1132	A	1.7
4	☐	1250.000	1267.396	3740333.24	0.2846	A	0.7
5	☐	2500.000	2517.939	7530713.45	0.5654	A	0.1
6	☐	5000.000	4947.732	15459623.44	1.1108	A	0.8
7	☐	10000.000	10019.291	29153704.12	2.2494	A	3.4
8	☐			25564.36	0.0020	P	3.0

$$y = 2.2449\text{E-}004 * x + 1.1270\text{E-}004$$

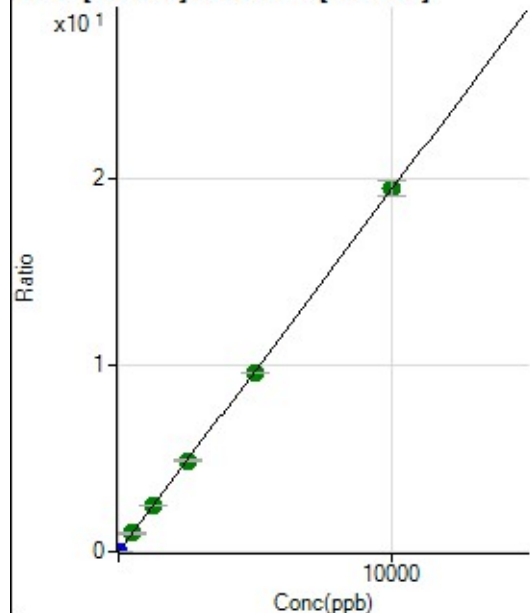
$$R = 1.0000$$

$$DL = 0.04661$$

$$BEC = 0.502$$

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	247.23	0.0000	P	34.2
2	☐	1.000	0.935	23405.27	0.0018	P	2.3
3	☐	500.000	505.228	13192794.39	0.9789	A	0.6
4	☐	1250.000	1266.290	32241591.00	2.4535	A	0.7
5	☐	2500.000	2522.925	65111586.18	4.8884	A	0.7
6	☐	5000.000	4934.315	133065337.70	9.5606	A	0.8
7	☐	10000.000	10024.814	251671222.29	19.4238	A	4.1
8	☐			207794.46	0.0166	P	2.5

$$y = 0.0019 * x + 1.8787\text{E-}005$$

$$R = 1.0000$$

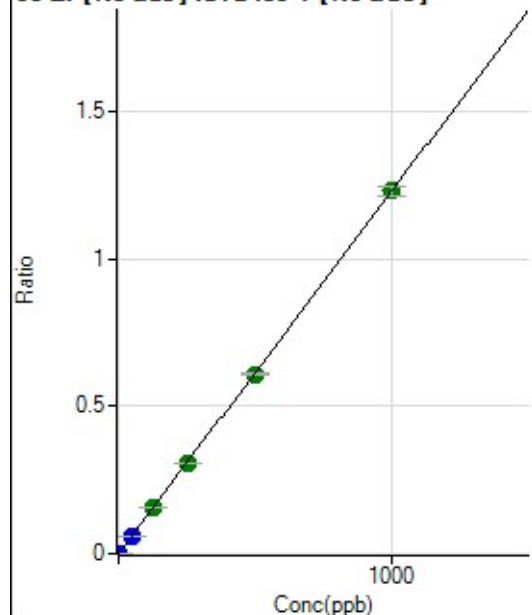
$$DL = 0.009955$$

$$BEC = 0.009696$$

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	836.16	0.0001	P	1.6
2	☐	1.000	0.903	15002.50	0.0012	P	4.9
3	☐	50.000	49.989	829083.16	0.0615	P	0.7
4	☐	125.000	126.779	2049010.33	0.1559	A	0.7
5	☐	250.000	251.091	4112554.35	0.3087	A	0.1
6	☐	500.000	495.599	8481213.47	0.6093	A	0.8
7	☐	1000.000	1001.706	15958641.68	1.2315	A	3.0
8	☐			11135.03	0.0009	P	4.0

$$y = 0.0012 * x + 6.3605E-005$$

$$R = 1.0000$$

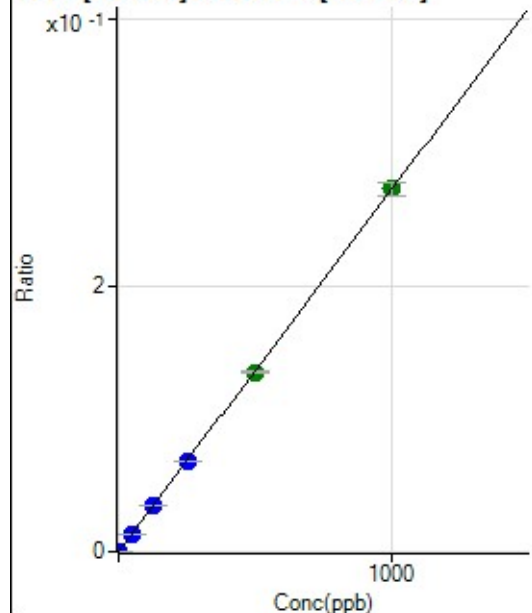
$$DL = 0.002479$$

$$BEC = 0.05174$$

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	144.45	0.0000	P	22.6
2	☐	1.000	0.920	3342.15	0.0003	P	3.4
3	☐	50.000	49.950	183285.13	0.0136	P	0.8
4	☐	125.000	126.648	452925.92	0.0345	P	0.8
5	☐	250.000	251.029	909819.29	0.0683	P	0.5
6	☐	500.000	494.919	1874211.80	0.1347	A	1.1
7	☐	1000.000	1002.080	3533568.63	0.2726	A	3.5
8	☐			2611.42	0.0002	P	9.9

$$y = 2.7206E-004 * x + 1.0982E-005$$

$$R = 1.0000$$

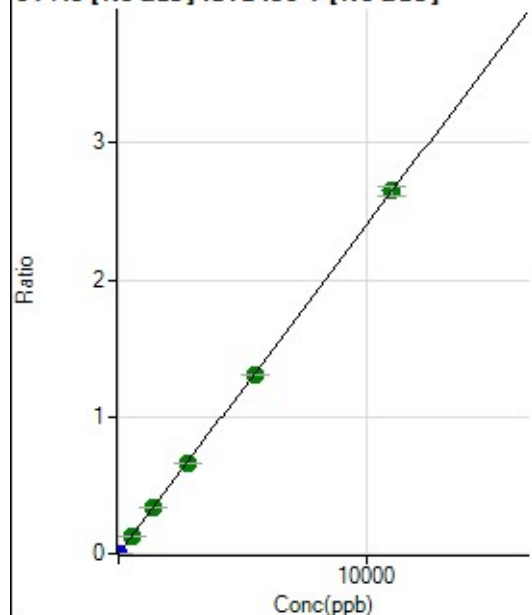
$$DL = 0.02738$$

$$BEC = 0.04037$$

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	280.56	0.0000	P	34.1
2	☐	5.000	5.633	17560.91	0.0014	P	4.5
3	☐	550.000	550.644	1781524.78	0.1322	A	1.0
4	☐	1375.000	1384.962	4368925.32	0.3325	A	0.6
5	☐	2750.000	2740.697	8762651.76	0.6579	A	1.1
6	☐	5500.000	5435.015	18158348.84	1.3046	A	0.7
7	☐	11000.000	11033.540	34319466.74	2.6485	A	2.9
8	☐			11296.29	0.0009	P	7.6

$$y = 2.4003\text{E-}004 * x + 2.1260\text{E-}005$$

$$R = 1.0000$$

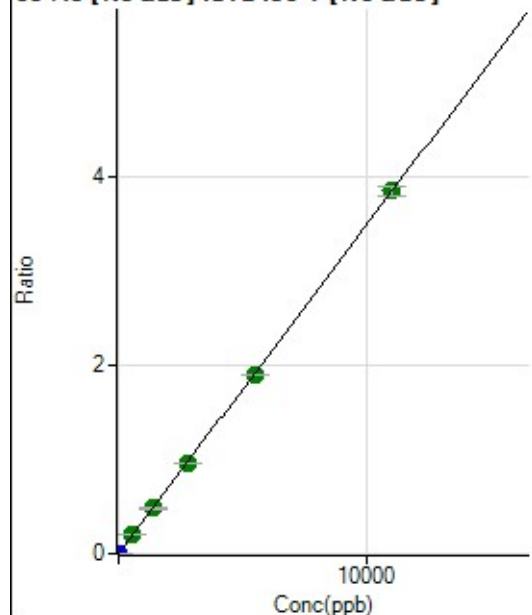
$$DL = 0.09054$$

$$BEC = 0.08857$$

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	52.78	0.0000	P	37.9
2	☐	5.000	4.782	21421.79	0.0017	P	2.0
3	☐	550.000	560.117	2636811.28	0.1957	A	1.1
4	☐	1375.000	1380.420	6336809.51	0.4822	A	1.5
5	☐	2750.000	2758.913	12836397.07	0.9637	A	0.8
6	☐	5500.000	5429.107	26395467.43	1.8964	A	0.7
7	☐	11000.000	11032.035	49941882.37	3.8536	A	2.6
8	☐			12219.35	0.0010	P	7.8

$$y = 3.4931\text{E-}004 * x + 3.9962\text{E-}006$$

$$R = 1.0000$$

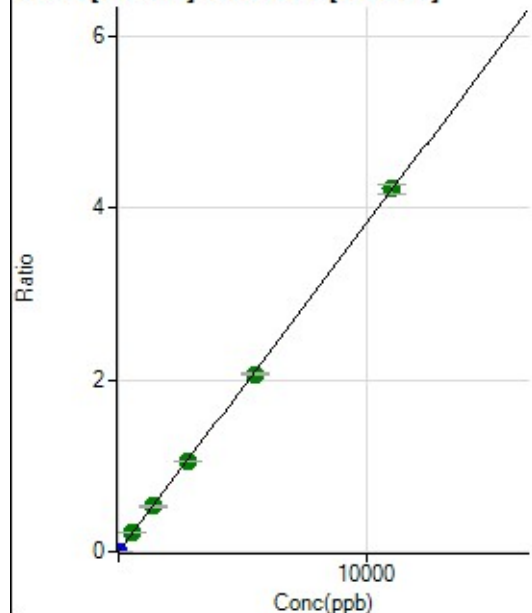
$$DL = 0.01302$$

$$BEC = 0.01144$$

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	161.12	0.0000	P	16.7
2	☐	5.000	4.895	24098.16	0.0019	P	2.0
3	☐	550.000	564.238	2907492.79	0.2158	A	2.2
4	☐	1375.000	1387.459	6972150.98	0.5305	A	2.1
5	☐	2750.000	2769.462	14105164.55	1.0589	A	0.4
6	☐	5500.000	5401.845	28747792.66	2.0654	A	0.7
7	☐	11000.000	11041.943	54715873.45	4.2219	A	2.7
8	☐			13851.38	0.0011	P	8.8

$$y = 3.8235E-004 * x + 1.2271E-005$$

$$R = 0.9999$$

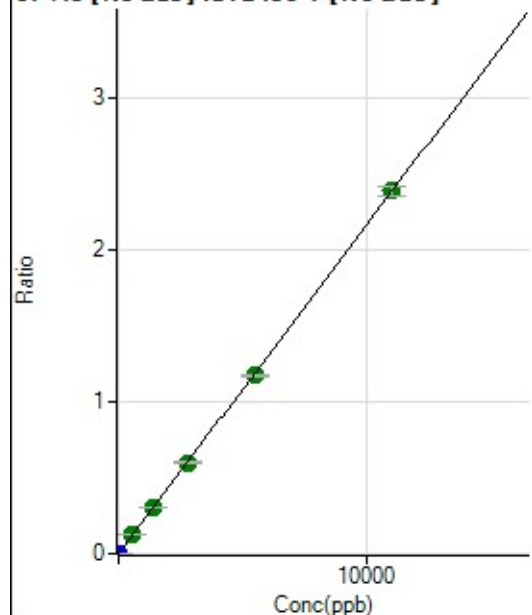
$$DL = 0.0161$$

$$BEC = 0.03209$$

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	41.67	0.0000	P	73.0
2	☐	5.000	4.977	13823.54	0.0011	P	2.1
3	☐	550.000	560.077	1634316.09	0.1213	A	1.3
4	☐	1375.000	1393.831	3966266.58	0.3018	A	1.0
5	☐	2750.000	2772.112	7995268.32	0.6002	A	0.6
6	☐	5500.000	5416.937	16325500.54	1.1729	A	1.2
7	☐	11000.000	11033.146	30962751.38	2.3889	A	3.0
8	☐			7363.19	0.0006	P	10.8

$$y = 2.1652E-004 * x + 3.1805E-006$$

$$R = 1.0000$$

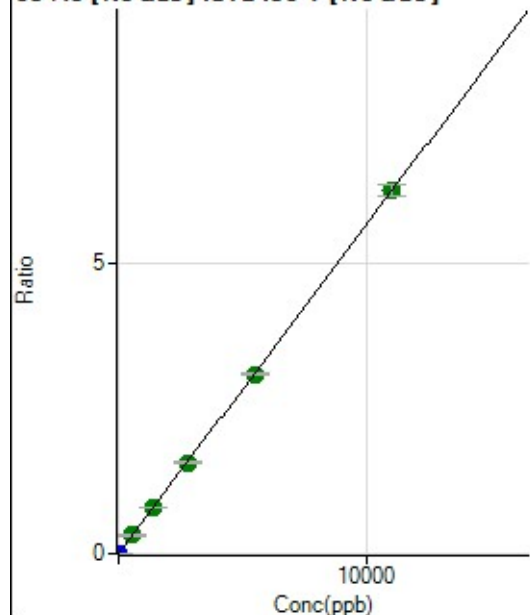
$$DL = 0.03215$$

$$BEC = 0.01469$$

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	113.89	0.0000	P	24.1
2	☐	5.000	4.772	34833.93	0.0027	P	2.0
3	☐	550.000	554.696	4253256.26	0.3156	A	1.2
4	☐	1375.000	1401.980	10482819.77	0.7977	A	0.6
5	☐	2750.000	2770.365	20994853.42	1.5762	A	0.6
6	☐	5500.000	5456.656	43211167.28	3.1046	A	0.7
7	☐	11000.000	11012.974	81196229.59	6.2659	A	3.3
8	☐			18965.64	0.0015	P	11.0

$$y = 5.6895E-004 * x + 8.6729E-006$$

$$R = 1.0000$$

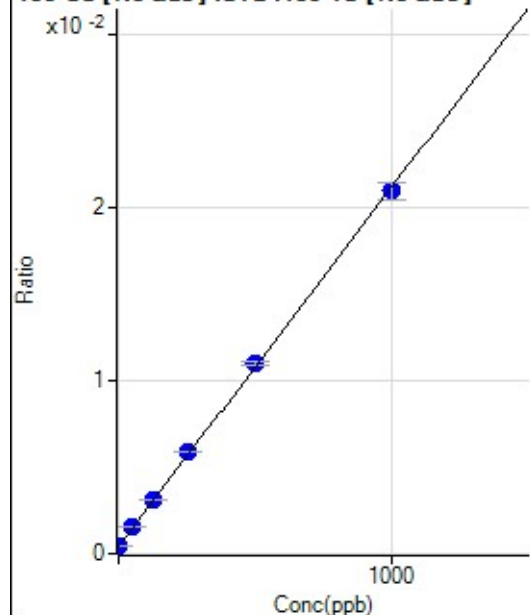
$$DL = 0.011$$

$$BEC = 0.01524$$

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	5893.02	0.0004	P	6.2
2	☐	1.000	1.076	6068.13	0.0004	P	3.8
3	☐	50.000	53.027	22086.79	0.0015	P	1.6
4	☐	125.000	130.795	44159.44	0.0031	P	1.1
5	☐	250.000	264.659	83443.18	0.0059	P	0.3
6	☐	500.000	510.094	163171.43	0.0110	P	1.5
7	☐	1000.000	990.412	296186.14	0.0210	P	4.9
8	☐			6106.99	0.0005	P	1.5

$$y = 2.0732E-005 * x + 4.2102E-004$$

$$R = 0.9998$$

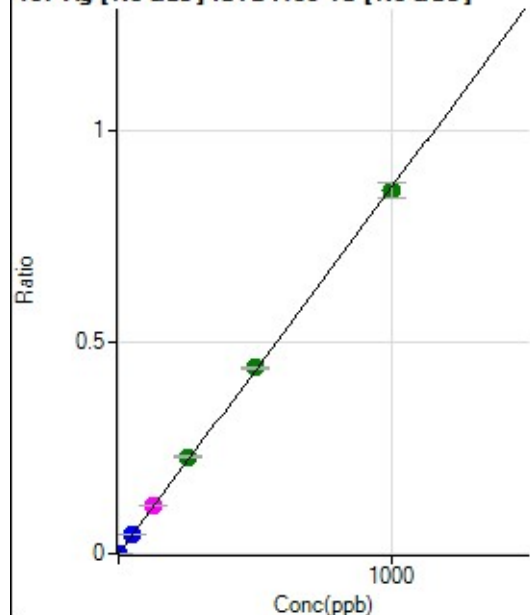
$$DL = 3.797$$

$$BEC = 20.31$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	97.22	0.0000	P	64.6
2	☐	1.000	0.988	11777.23	0.0009	P	1.5
3	☐	50.000	52.087	653666.26	0.0450	P	0.9
4	☐	125.000	132.098	1608550.32	0.1141	M	1.1
5	☐	250.000	264.636	3228367.63	0.2286	A	0.8
6	☐	500.000	508.807	6521116.68	0.4395	A	0.9
7	☐	1000.000	990.946	12096986.55	0.8559	A	4.3
8	☐			4164.60	0.0003	P	7.4

$$y = 8.6370\text{E-}004 * x + 6.9325\text{E-}006$$

$$R = 0.9998$$

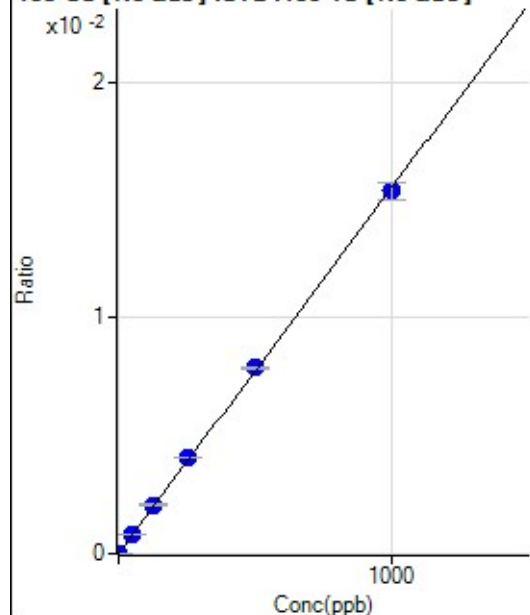
$$DL = 0.01556$$

$$BEC = 0.008027$$

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	65.28	0.0000	P	9.7
2	☐	1.000	1.085	294.45	0.0000	P	6.9
3	☐	50.000	53.959	12234.43	0.0008	P	2.4
4	☐	125.000	133.785	29339.53	0.0021	P	0.5
5	☐	250.000	261.976	57495.34	0.0041	P	0.7
6	☐	500.000	507.617	116978.01	0.0079	P	0.3
7	☐	1000.000	991.901	217680.34	0.0154	P	4.6
8	☐			183.34	0.0000	P	14.3

$$y = 1.5521\text{E-}005 * x + 4.6641\text{E-}006$$

$$R = 0.9999$$

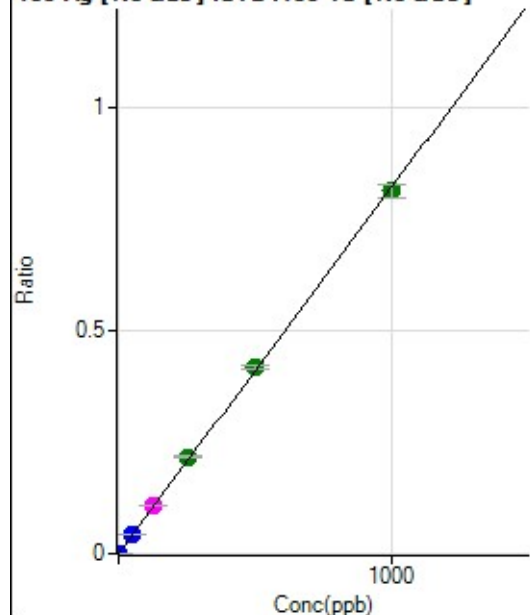
$$DL = 0.08745$$

$$BEC = 0.3005$$

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	25.00	0.0000	P	67.1
2	☐	1.000	0.989	11165.74	0.0008	P	2.7
3	☐	50.000	52.497	627442.62	0.0432	P	1.2
4	☐	125.000	132.218	1533300.10	0.1088	M	0.9
5	☐	250.000	265.074	3079816.20	0.2181	A	0.7
6	☐	500.000	509.626	6220911.81	0.4192	A	1.3
7	☐	1000.000	990.391	11519441.58	0.8147	A	3.5
8	☐			3608.88	0.0003	P	7.1

$$y = 8.2262\text{E-}004 * x + 1.7924\text{E-}006$$

$$R = 0.9998$$

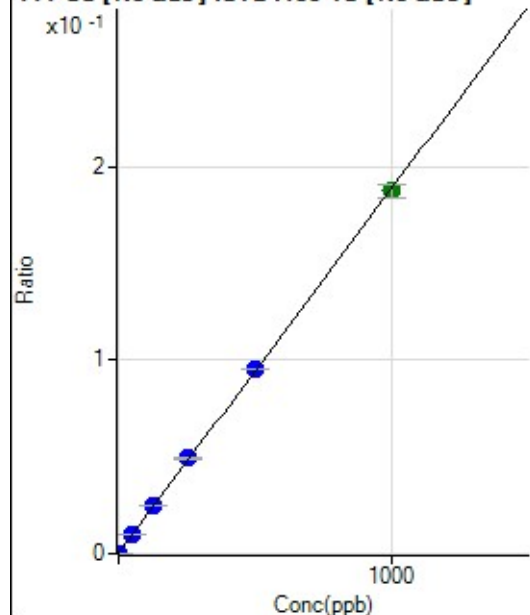
$$DL = 0.004383$$

$$BEC = 0.002179$$

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	4097.47	0.0003	P	6.4
2	☐	1.000	1.021	6640.46	0.0005	P	2.4
3	☐	50.000	52.644	148351.26	0.0102	P	1.8
4	☐	125.000	132.077	354935.28	0.0252	P	1.1
5	☐	250.000	260.510	697412.90	0.0494	P	1.0
6	☐	500.000	505.399	1417353.23	0.0955	P	0.2
7	☐	1000.000	993.656	2651680.74	0.1875	A	3.5
8	☐			5042.43	0.0004	P	3.1

$$y = 1.8842\text{E-}004 * x + 2.9274\text{E-}004$$

$$R = 0.9999$$

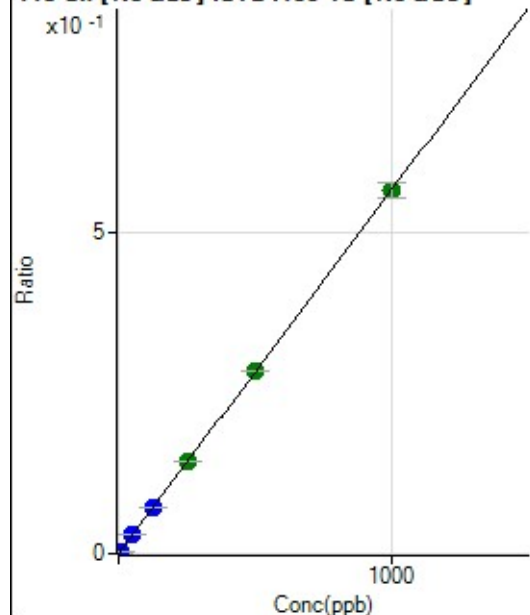
$$DL = 0.2973$$

$$BEC = 1.554$$

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	2036.30	0.0001	P	2.1
2	☐	5.000	5.004	40694.16	0.0030	P	1.7
3	☐	50.000	50.694	418318.36	0.0288	P	0.8
4	☐	125.000	125.861	1004673.60	0.0713	P	1.4
5	☐	250.000	253.370	2024452.15	0.1433	A	0.8
6	☐	500.000	502.673	4217301.57	0.2842	A	0.2
7	☐	1000.000	997.679	7973025.00	0.5640	A	4.2
8	☐			5690.17	0.0004	P	5.7

$$y = 5.6514\text{E-}004 * x + 1.4552\text{E-}004$$

$$R = 1.0000$$

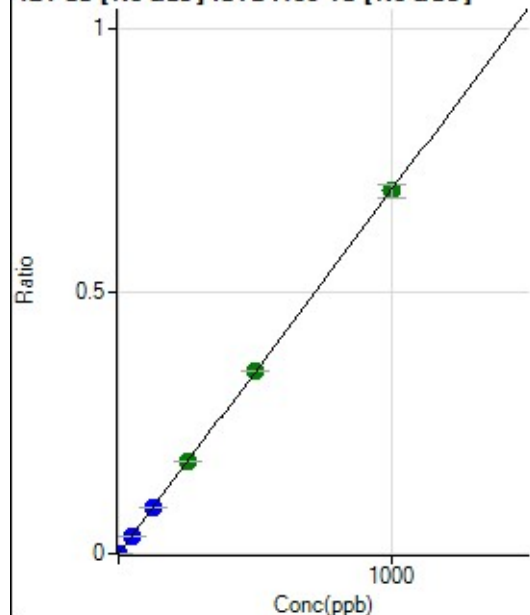
$$DL = 0.01591$$

$$BEC = 0.2575$$

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	119.45	0.0000	P	13.9
2	☐	2.000	1.793	17135.64	0.0013	P	1.1
3	☐	50.000	49.627	500171.51	0.0344	P	1.9
4	☐	125.000	125.773	1229842.11	0.0872	P	1.3
5	☐	250.000	253.551	2483984.45	0.1759	A	1.1
6	☐	500.000	502.516	5171815.14	0.3486	A	0.5
7	☐	1000.000	997.776	9784918.80	0.6921	A	3.9
8	☐			8633.37	0.0006	P	3.0

$$y = 6.9361\text{E-}004 * x + 8.5306\text{E-}006$$

$$R = 1.0000$$

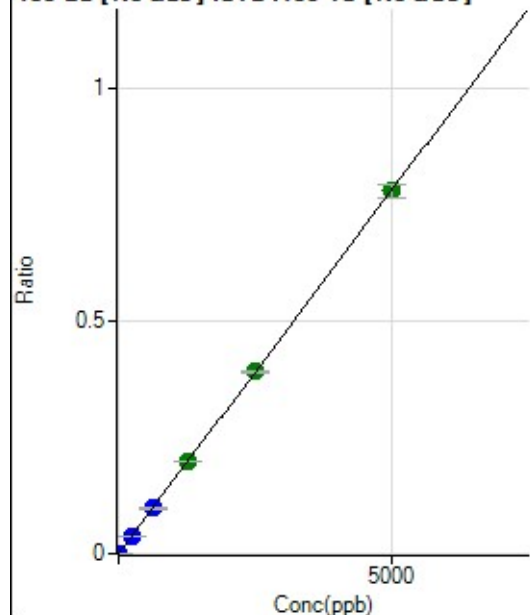
$$DL = 0.005146$$

$$BEC = 0.0123$$

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	52.78	0.0000	P	23.3
2	☐	10.000	9.035	19363.57	0.0014	P	1.4
3	☐	250.000	247.631	561930.68	0.0387	P	1.1
4	☐	625.000	625.749	1377703.41	0.0977	P	1.2
5	☐	1250.000	1265.874	2792504.71	0.1977	A	0.3
6	☐	2500.000	2502.720	5800176.65	0.3909	A	0.4
7	☐	5000.000	4994.698	11026842.08	0.7801	A	4.0
8	☐			5554.02	0.0004	P	5.1

$$y = 1.5618\text{E-}004 * x + 3.7666\text{E-}006$$

$$R = 1.0000$$

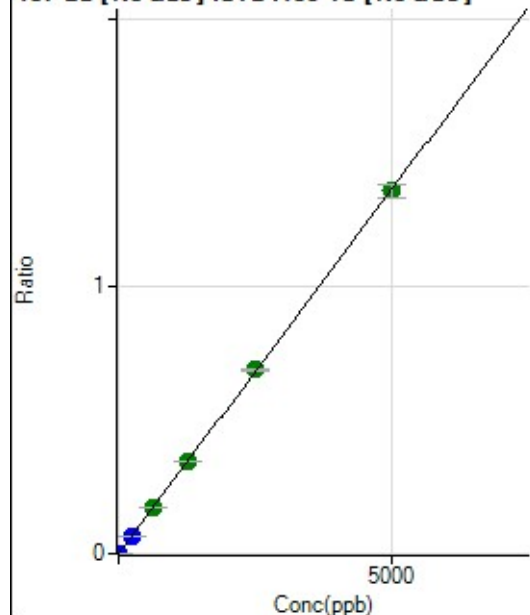
$$DL = 0.01682$$

$$BEC = 0.02412$$

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	27.78	0.0000	P	92.0
2	☐	10.000	9.369	34907.20	0.0026	P	0.9
3	☐	250.000	249.112	984480.15	0.0678	P	0.9
4	☐	625.000	640.283	2455512.36	0.1742	A	0.2
5	☐	1250.000	1263.116	4852776.54	0.3436	A	1.0
6	☐	2500.000	2523.345	10184621.50	0.6864	A	0.5
7	☐	5000.000	4983.184	19162847.30	1.3555	A	4.0
8	☐			9850.88	0.0007	P	9.1

$$y = 2.7202\text{E-}004 * x + 1.9828\text{E-}006$$

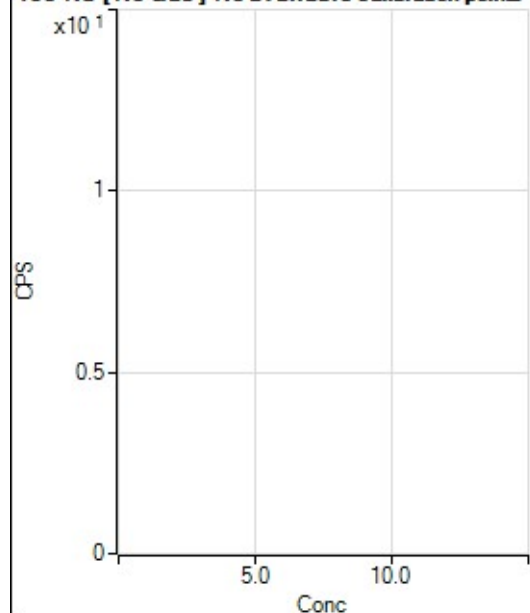
$$R = 1.0000$$

$$DL = 0.02012$$

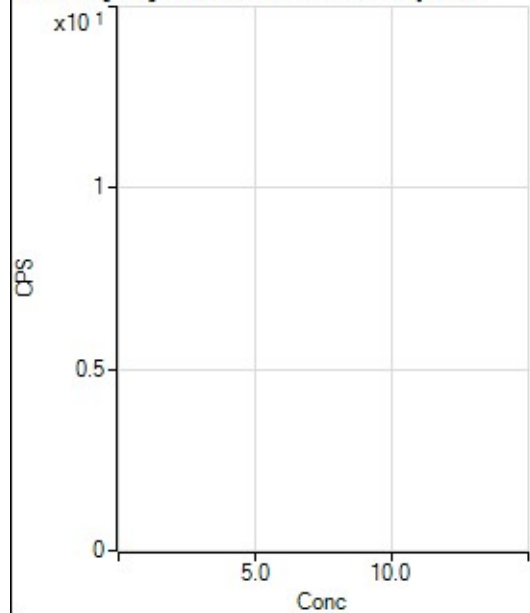
$$BEC = 0.007289$$

Weight: <None>

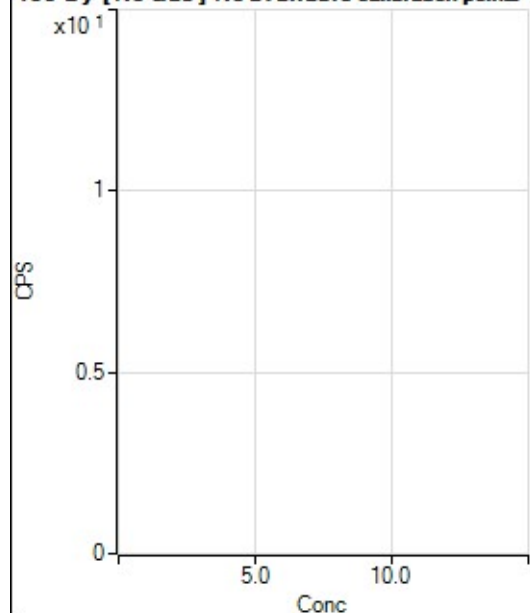
Min Conc: 0

150 Nd [No Gas] No available calibration points

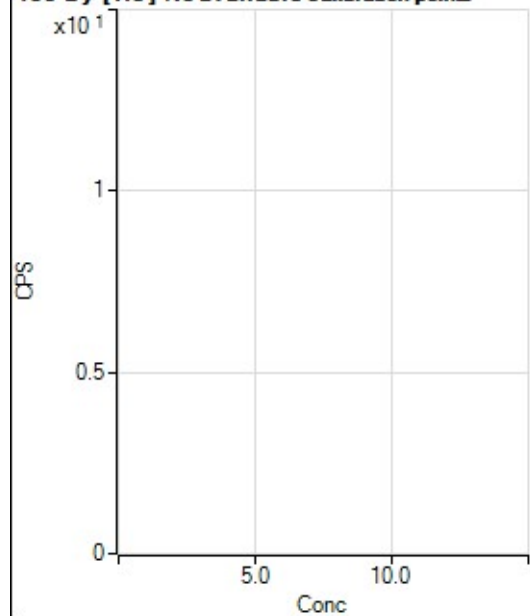
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.2
2	☐			15.56		P	65.5
3	☐			46.67		P	28.6
4	☐			93.34		P	35.7
5	☐			233.34		P	7.6
6	☐			431.13		P	7.6
7	☐			757.82		P	0.5
8	☐			93.33		P	12.4

150 Nd [He] No available calibration points

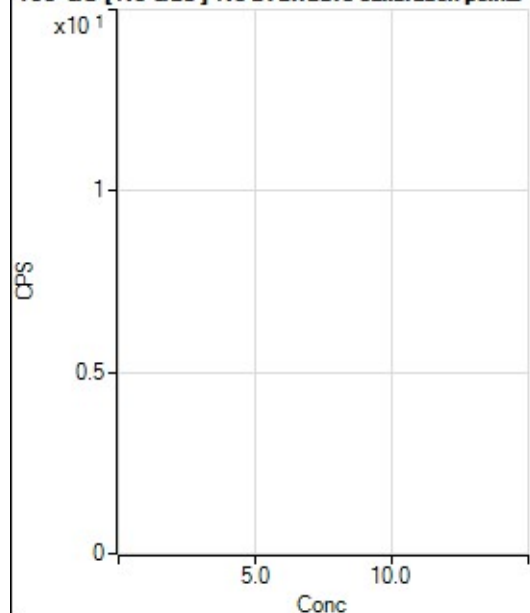
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐			0.00		P	
3	☐			8.89		P	21.6
4	☐			26.67		P	12.5
5	☐			48.89		P	41.1
6	☐			84.45		P	18.7
7	☐			181.12		P	12.5
8	☐			44.44		P	33.8

156 Dy [No Gas] No available calibration points

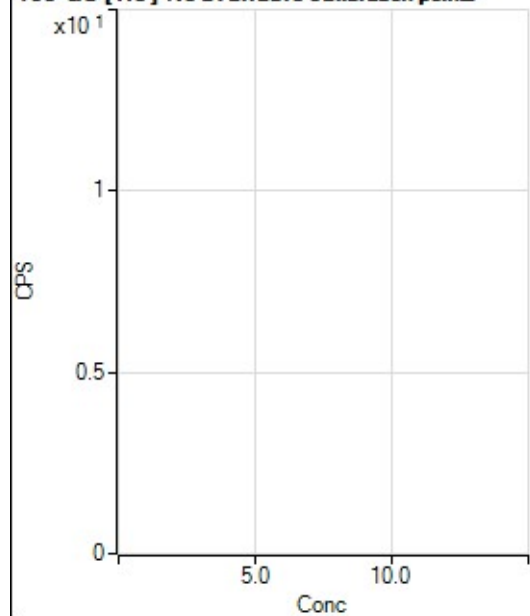
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	43.3
2	☐			11.11		P	86.6
3	☐			41.67		P	52.9
4	☐			105.56		P	37.3
5	☐			161.12		P	50.2
6	☐			355.57		P	8.9
7	☐			655.59		P	12.0
8	☐			2066.87		P	4.7

156 Dy [He] No available calibration points

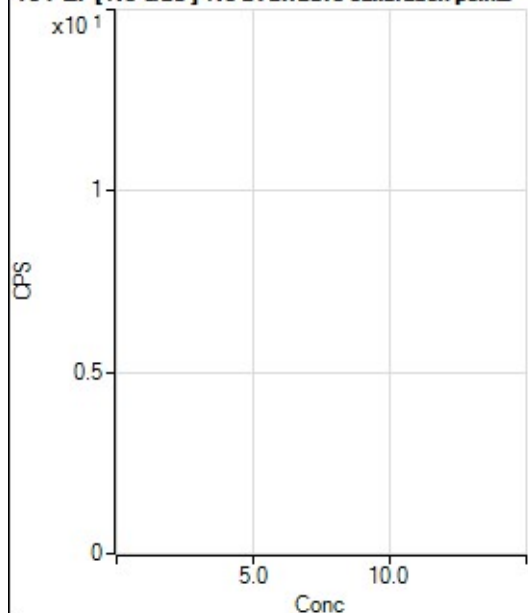
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.66		P	86.6
2	☐			10.00		P	66.7
3	☐			33.33		P	26.4
4	☐			72.22		P	16.2
5	☐			145.56		P	7.0
6	☐			283.34		P	2.0
7	☐			601.13		P	1.8
8	☐			1295.63		P	0.8

160 Gd [No Gas] No available calibration points

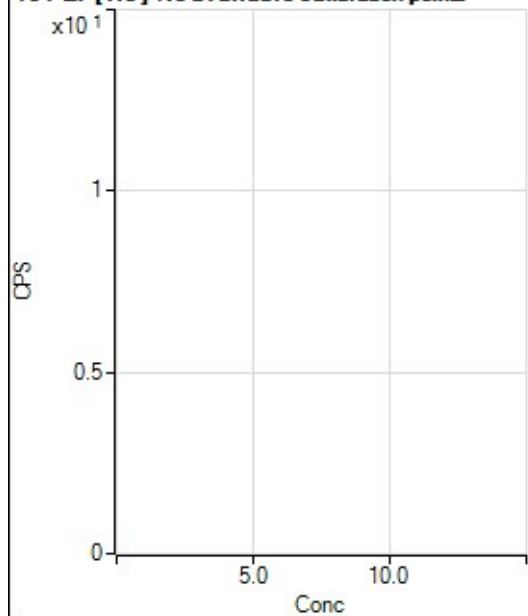
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			69.45		P	18.3
2	☐			77.78		P	40.6
3	☐			77.78		P	27.0
4	☐			122.22		P	20.8
5	☐			202.78		P	9.5
6	☐			286.12		P	16.6
7	☐			486.13		P	13.9
8	☐			1825.17		P	7.8

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			181.11		P	5.3
2	☐			178.89		P	14.0
3	☐			228.89		P	14.4
4	☐			274.45		P	4.9
5	☐			291.12		P	18.9
6	☐			408.90		P	8.0
7	☐			508.90		P	6.7
8	☐			1375.64		P	1.2

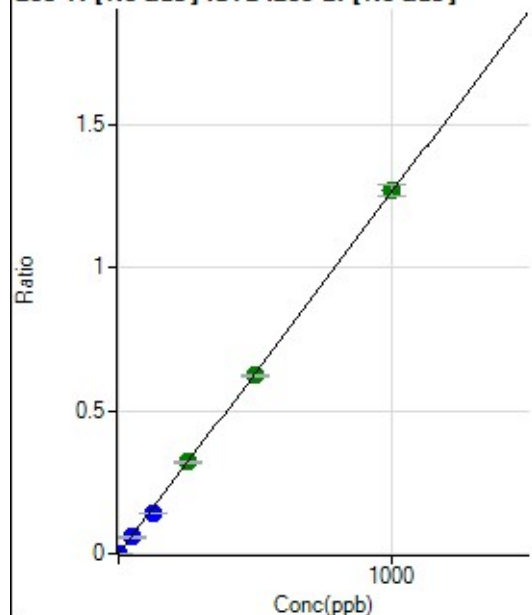
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			127.78		P	3.8
2	☐			83.34		P	36.1
3	☐			127.78		P	32.8
4	☐			147.23		P	22.9
5	☐			147.23		P	6.5
6	☐			202.79		P	22.6
7	☐			275.01		P	16.9
8	☐			380.57		P	7.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			46.66		P	24.7
2	☐			37.78		P	22.2
3	☐			62.22		P	20.3
4	☐			64.44		P	13.0
5	☐			90.00		P	11.1
6	☐			128.89		P	8.3
7	☐			188.89		P	17.7
8	☐			221.11		P	13.0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1127.86	0.0001	P	9.7
2	☐	1.000	0.799	10979.74	0.0011	P	1.3
3	☐	50.000	45.211	581379.87	0.0572	P	0.4
4	☐	125.000	112.636	1424398.40	0.1424	P	0.4
5	☐	250.000	253.000	3123982.73	0.3197	A	1.5
6	☐	500.000	493.697	6311764.25	0.6237	A	0.8
7	☐	1000.000	1004.187	12024319.97	1.2686	A	3.1
8	☐			6732.46	0.0008	P	8.4

$$y = 0.0013 * x + 1.1415E-004$$

$$R = 0.9999$$

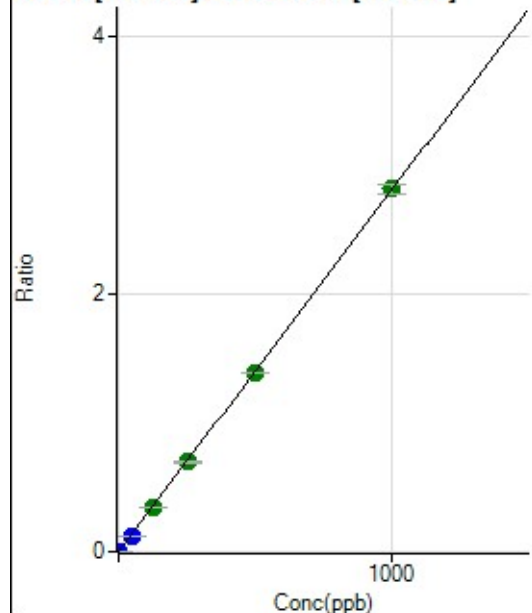
$$DL = 0.02629$$

$$BEC = 0.09037$$

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	2717.76	0.0003	P	6.6
2	☐	1.000	0.853	26029.87	0.0027	P	1.0
3	☐	50.000	43.825	1249325.28	0.1230	P	0.8
4	☐	125.000	122.482	3433258.12	0.3432	A	0.7
5	☐	250.000	248.420	6799229.73	0.6958	A	1.4
6	☐	500.000	493.853	13994459.26	1.3829	A	0.5
7	☐	1000.000	1004.092	26654704.47	2.8115	A	2.4
8	☐			13892.51	0.0017	P	9.5

$$y = 0.0028 * x + 2.7524E-004$$

$$R = 1.0000$$

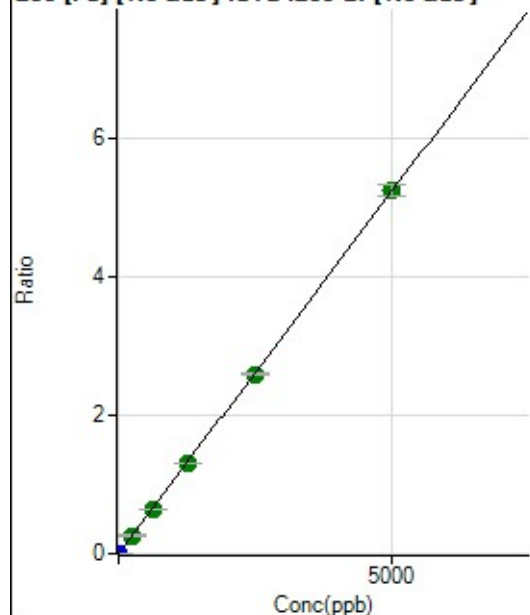
$$DL = 0.0194$$

$$BEC = 0.09831$$

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	1098.22	0.0001	P	3.6
2	☐	1.000	0.846	9755.59	0.0010	P	2.0
3	☐	250.000	251.023	2672560.18	0.2631	A	1.4
4	☐	625.000	618.770	6485894.07	0.6483	A	0.6
5	☐	1250.000	1251.136	12808691.95	1.3108	A	1.5
6	☐	2500.000	2477.381	26263501.05	2.5954	A	0.9
7	☐	5000.000	5011.753	49767959.45	5.2504	A	3.0
8	☐			23405.96	0.0028	P	4.7

$$y = 0.0010 * x + 1.1118E-004$$

$$R = 1.0000$$

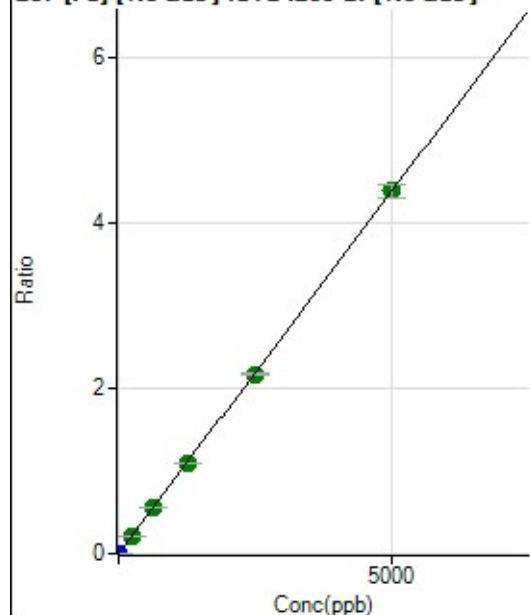
$$DL = 0.01132$$

$$BEC = 0.1061$$

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	929.68	0.0001	P	2.1
2	☐	1.000	0.787	7661.66	0.0008	P	2.7
3	☐	250.000	249.236	2218315.07	0.2184	A	1.4
4	☐	625.000	627.068	5494870.55	0.5492	A	0.4
5	☐	1250.000	1250.397	10702219.45	1.0951	A	0.2
6	☐	2500.000	2479.531	21973609.75	2.1715	A	0.5
7	☐	5000.000	5009.915	41581051.86	4.3875	A	4.0
8	☐			18767.54	0.0023	P	2.5

$$y = 8.7575E-004 * x + 9.4135E-005$$

$$R = 1.0000$$

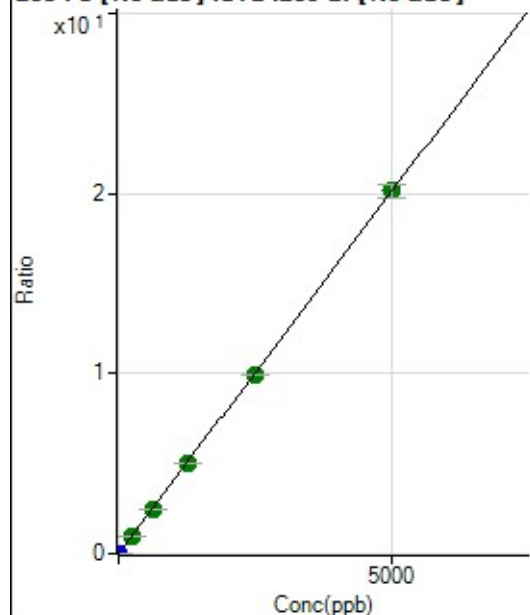
$$DL = 0.006827$$

$$BEC = 0.1075$$

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	4202.19	0.0004	P	1.7
2	☐	1.000	0.822	36498.17	0.0037	P	1.7
3	☐	250.000	250.857	10254200.03	1.0094	A	0.9
4	☐	625.000	622.782	25061984.35	2.5052	A	0.2
5	☐	1250.000	1254.774	49322316.85	5.0471	A	0.2
6	☐	2500.000	2473.189	100660603.64	9.9476	A	0.2
7	☐	5000.000	5012.447	191086857.05	20.1604	A	3.5
8	☐			88513.67	0.0107	P	3.8

$$y = 0.0040 * x + 4.2550E-004$$

$$R = 1.0000$$

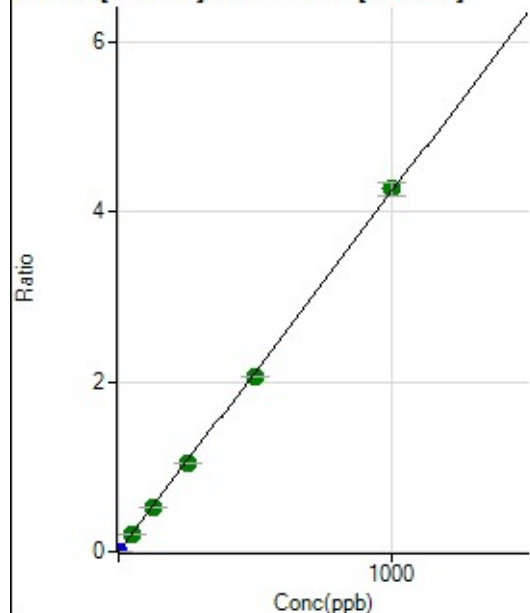
$$DL = 0.005548$$

$$BEC = 0.1058$$

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	177.78	0.0000	P	13.3
2	☐	1.000	0.752	31346.40	0.0032	P	1.6
3	☐	50.000	48.268	2078151.97	0.2046	A	1.5
4	☐	125.000	121.906	5167293.26	0.5166	A	1.2
5	☐	250.000	245.252	10156162.50	1.0393	A	0.7
6	☐	500.000	486.490	20861768.17	2.0616	A	0.8
7	☐	1000.000	1008.415	40503256.69	4.2732	A	3.4
8	☐			7009.47	0.0008	P	10.3

$$y = 0.0042 * x + 1.7995E-005$$

$$R = 0.9999$$

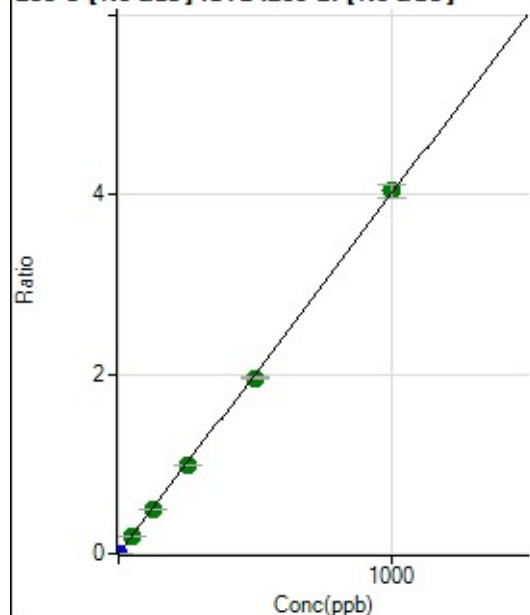
$$DL = 0.001695$$

$$BEC = 0.004247$$

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	19.45	0.0000	P	24.4
2	☐	1.000	0.798	31302.93	0.0032	P	1.2
3	☐	50.000	49.097	1999220.54	0.1968	A	0.9
4	☐	125.000	121.593	4874848.98	0.4874	A	1.2
5	☐	250.000	244.382	9572019.27	0.9795	A	1.0
6	☐	500.000	487.079	19754926.13	1.9523	A	1.2
7	☐	1000.000	1008.336	38302924.99	4.0416	A	4.1
8	☐			6749.20	0.0008	P	10.4

$$y = 0.0040 * x + 1.9679E-006$$

$$R = 0.9999$$

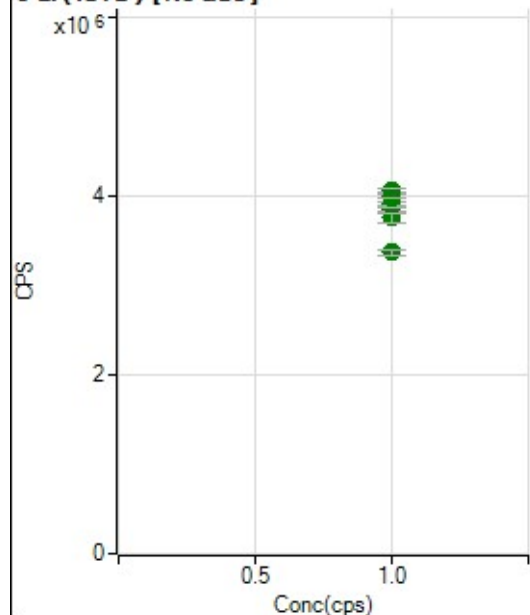
$$DL = 0.0003589$$

$$BEC = 0.000491$$

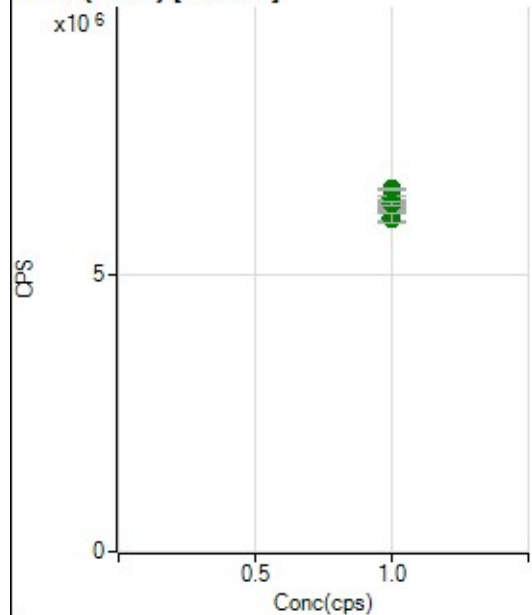
Weight: <None>

Min Conc: 0

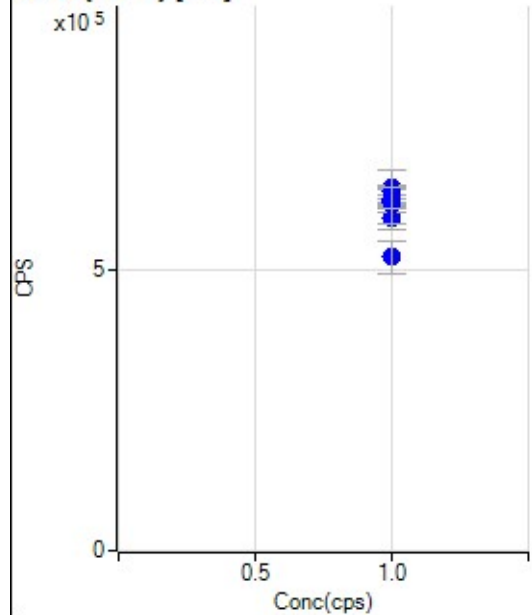
6 Li (ISTD) [No Gas]



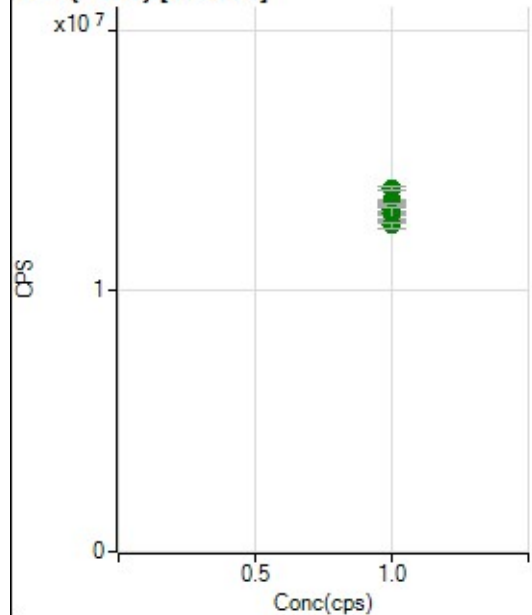
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		4005151.91		A	1.8
2	☐	1.000		3846604.70		A	1.0
3	☐	1.000		4053620.51		A	1.3
4	☐	1.000		3907378.10		A	1.2
5	☐	1.000		3882679.13		A	0.5
6	☐	1.000		3977875.31		A	0.4
7	☐	1.000		3753167.33		A	3.0
8	☐	1.000		3369740.56		A	2.1

45 Sc (ISTD) [No Gas]

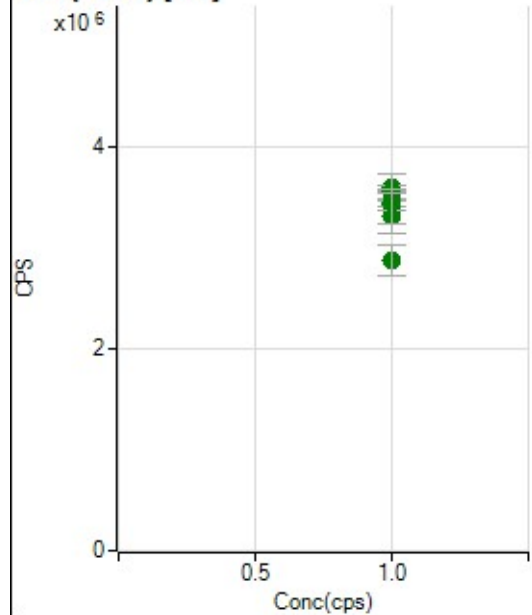
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6235916.92		A	1.0
2	☐	1.000		6154205.88		A	0.7
3	☐	1.000		6396451.99		A	1.2
4	☐	1.000		6268648.93		A	1.1
5	☐	1.000		6284134.42		A	0.9
6	☐	1.000		6545411.43		A	0.7
7	☐	1.000		6048344.01		A	3.0
8	☐	1.000		6005947.13		A	2.9

45 Sc (ISTD) [He]

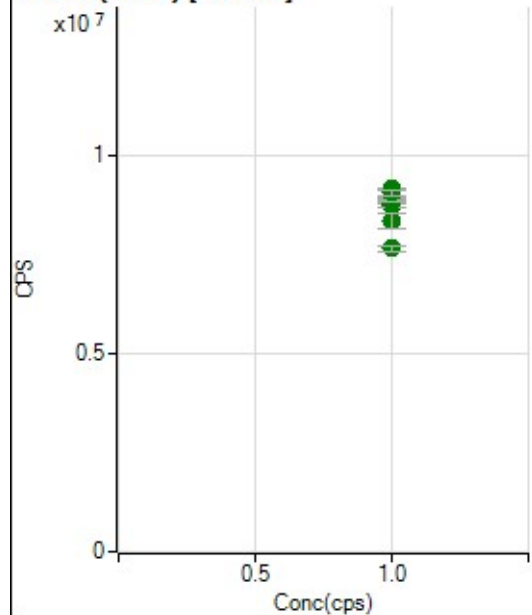
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		594094.82		P	3.5
2	☐	1.000		523811.39		P	10.8
3	☐	1.000		616292.11		P	0.4
4	☐	1.000		625357.00		P	1.1
5	☐	1.000		647541.05		P	1.2
6	☐	1.000		643080.57		P	2.1
7	☐	1.000		619626.09		P	2.3
8	☐	1.000		627232.04		P	17.1

89 Y (ISTD) [No Gas]

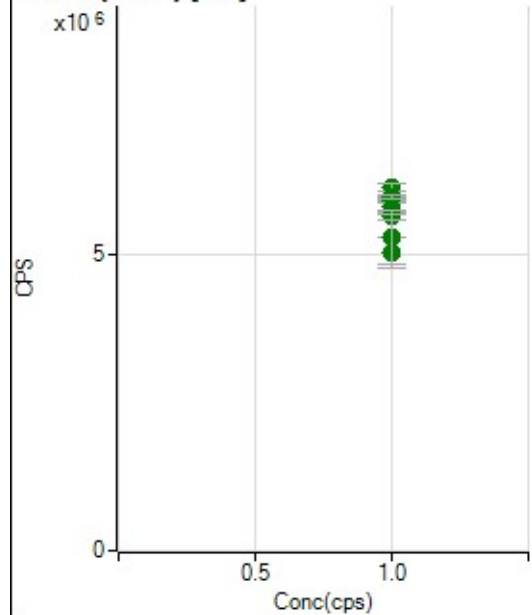
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13143465.64		A	1.9
2	☐	1.000		12791059.53		A	1.9
3	☐	1.000		13476803.27		A	0.4
4	☐	1.000		13141357.30		A	0.9
5	☐	1.000		13320059.80		A	0.6
6	☐	1.000		13917908.13		A	1.0
7	☐	1.000		12965763.00		A	3.6
8	☐	1.000		12534498.98		A	1.8

89 Y (ISTD) [He]

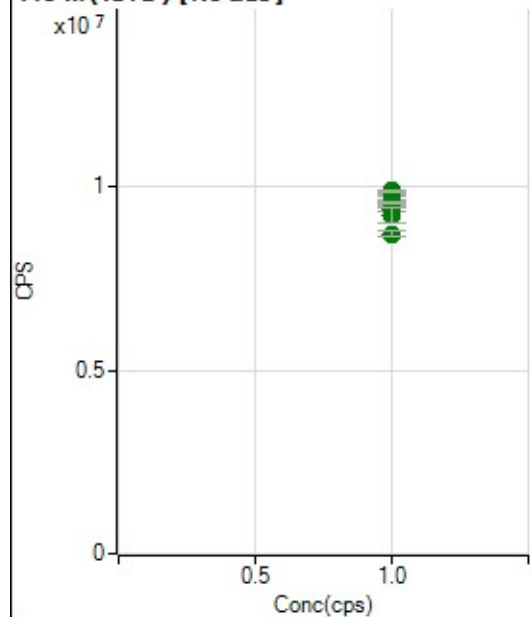
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3308985.37		A	3.9
2	☐	1.000		2871129.91		A	10.6
3	☐	1.000		3477270.92		A	0.2
4	☐	1.000		3438906.82		A	1.5
5	☐	1.000		3595384.36		A	1.5
6	☐	1.000		3563606.27		A	0.9
7	☐	1.000		3428098.60		A	3.1
8	☐	1.000		3440292.55		A	16.8

103 Rh (ISTD) [No Gas]

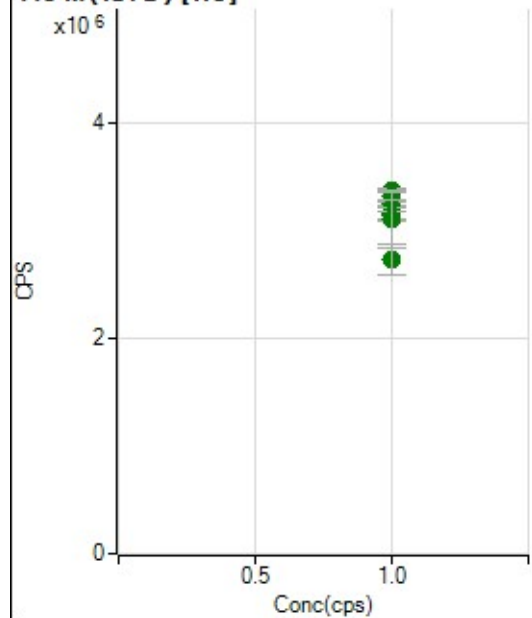
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		8886320.15		A	1.3
2	☐	1.000		8777617.16		A	1.9
3	☐	1.000		9179374.17		A	0.6
4	☐	1.000		8804829.52		A	1.9
5	☐	1.000		8860376.88		A	0.5
6	☐	1.000		9075045.77		A	1.5
7	☐	1.000		8366023.21		A	4.9
8	☐	1.000		7672790.93		A	1.6

103 Rh (ISTD) [He]

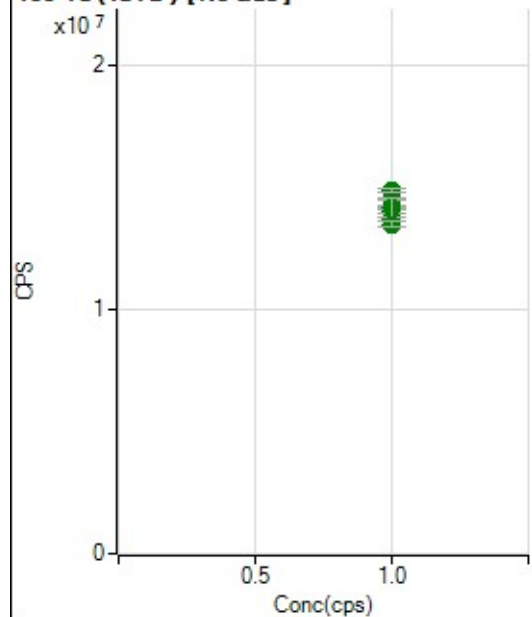
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5804447.42		A	3.7
2	☐	1.000		5028285.80		A	10.1
3	☐	1.000		5983412.20		A	0.6
4	☐	1.000		5903991.92		A	1.1
5	☐	1.000		6119192.90		A	2.3
6	☐	1.000		5967884.91		A	0.8
7	☐	1.000		5629348.32		A	2.1
8	☐	1.000		5272944.99		A	17.2

115 In (ISTD) [No Gas]

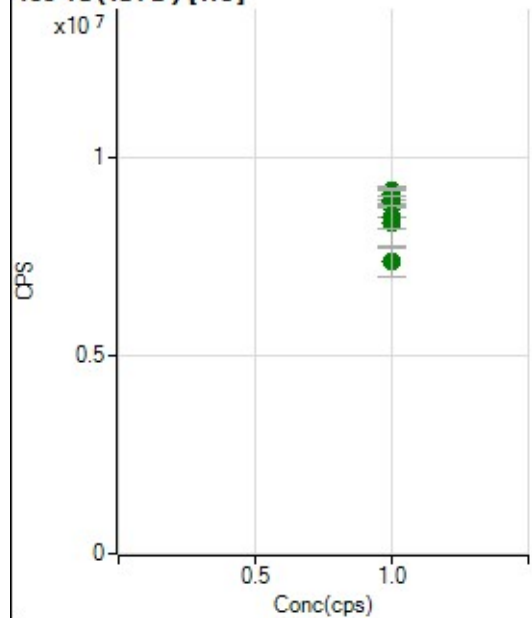
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9676274.24		A	1.5
2	☐	1.000		9397094.59		A	1.2
3	☐	1.000		9836058.14		A	0.9
4	☐	1.000		9575849.43		A	1.8
5	☐	1.000		9564474.94		A	0.6
6	☐	1.000		9901451.25		A	0.7
7	☐	1.000		9238081.60		A	5.0
8	☐	1.000		8730858.07		A	1.9

115 In (ISTD) [He]

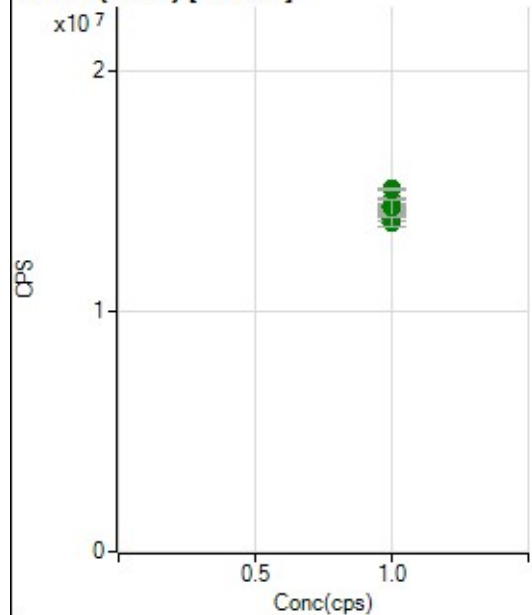
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3172810.90		A	3.5
2	☐	1.000		2742700.43		A	10.4
3	☐	1.000		3255385.71		A	1.2
4	☐	1.000		3254037.22		A	1.6
5	☐	1.000		3374958.43		A	1.2
6	☐	1.000		3327144.37		A	1.7
7	☐	1.000		3143286.88		A	2.7
8	☐	1.000		3112350.58		A	17.3

159 Tb (ISTD) [No Gas]

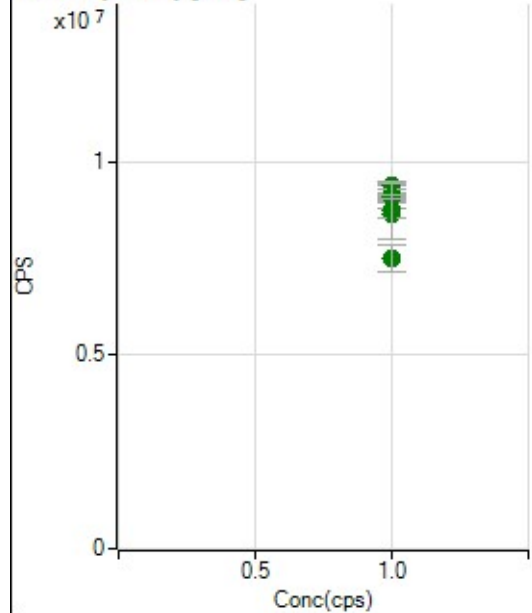
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13994923.40		A	0.9
2	☐	1.000		13686092.02		A	0.9
3	☐	1.000		14528453.26		A	0.8
4	☐	1.000		14098547.57		A	2.0
5	☐	1.000		14124134.10		A	0.5
6	☐	1.000		14838192.42		A	1.0
7	☐	1.000		14151310.76		A	5.1
8	☐	1.000		13476021.05		A	1.7

159 Tb (ISTD) [He]

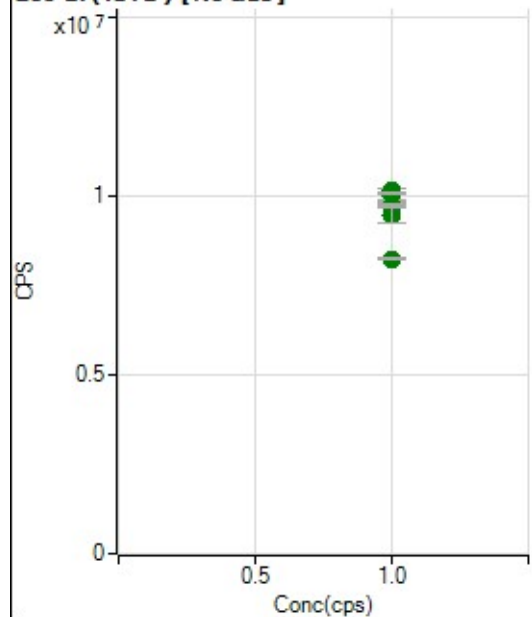
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8350876.54		A	3.3
2	☐	1.000		7352766.42		A	9.7
3	☐	1.000		8875994.18		A	0.7
4	☐	1.000		8769466.05		A	0.9
5	☐	1.000		9149668.89		A	2.4
6	☐	1.000		9089714.03		A	1.7
7	☐	1.000		8900710.91		A	2.9
8	☐	1.000		8472407.65		A	17.3

165 Ho (ISTD) [No Gas]

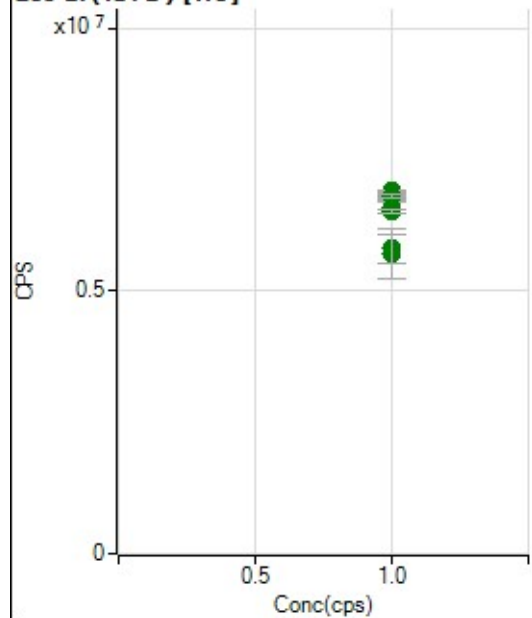
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		14150496.46		A	1.1
2	☐	1.000		13880710.49		A	1.3
3	☐	1.000		14668559.09		A	0.8
4	☐	1.000		14308922.84		A	1.8
5	☐	1.000		14422424.09		A	1.1
6	☐	1.000		15101835.47		A	0.3
7	☐	1.000		14322228.81		A	4.3
8	☐	1.000		13690531.88		A	2.9

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8659710.64		A	2.8
2	☐	1.000		7502599.40		A	9.6
3	☐	1.000		9050750.07		A	1.2
4	☐	1.000		9024239.87		A	1.6
5	☐	1.000		9298143.40		A	2.4
6	☐	1.000		9372234.86		A	1.5
7	☐	1.000		9101057.30		A	1.0
8	☐	1.000		8730930.15		A	16.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9876632.98		A	0.6
2	☐	1.000		9777429.16		A	1.3
3	☐	1.000		10159544.15		A	0.9
4	☐	1.000		10003808.11		A	1.9
5	☐	1.000		9772482.56		A	0.8
6	☐	1.000		10119113.39		A	0.6
7	☐	1.000		9486359.02		A	4.7
8	☐	1.000		8257188.62		A	0.8

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6603952.75		A	3.6
2	☐	1.000		5810973.94		A	9.7
3	☐	1.000		6823484.69		A	1.2
4	☐	1.000		6759903.93		A	1.9
5	☐	1.000		6903909.20		A	0.5
6	☐	1.000		6813647.54		A	1.1
7	☐	1.000		6513420.67		A	1.2
8	☐	1.000		5713185.26		A	16.7