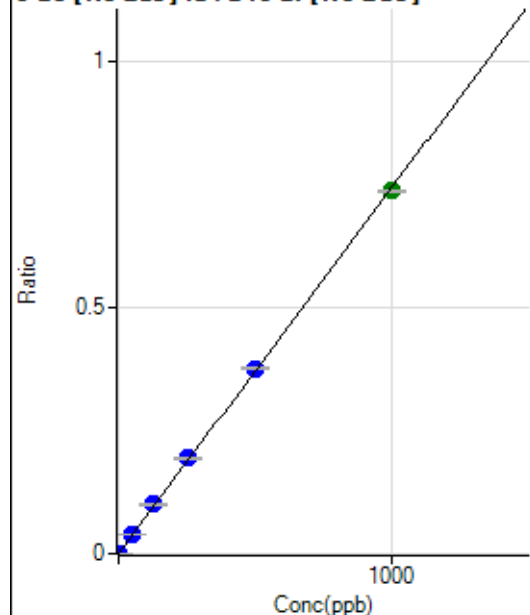


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8030223MS.b\
Analysis File: P8030223MS.batch.bin
DA Date-Time: 2023-03-02 17:59:45
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2023-03-02 12:45:15
2	005CALS.d	S02	2023-03-02 12:48:18
3	006CALS.d	S03	2023-03-02 12:51:24
4	007CALS.d	S04	2023-03-02 12:54:26
5	008CALS.d	S05	2023-03-02 12:57:27
6	009CALS.d	S06	2023-03-02 13:00:25
7	010CALS.d	S07	2023-03-02 13:03:26
8	011CALS.d	S08	2023-03-02 13:06:25

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	40.83	0.0000	P	7.5
2	☐	1.000	1.053	1757.39	0.0008	P	4.9
3	☐	50.000	51.218	82859.97	0.0380	P	1.5
4	☐	125.000	135.570	213585.90	0.1005	P	2.5
5	☐	250.000	260.428	412207.31	0.1931	P	1.2
6	☐	500.000	507.208	796757.46	0.3761	P	0.4
7	☐	1000.000	992.407	1553435.42	0.7358	A	0.3
8	☐			577.44	0.0003	P	5.9

$$y = 7.4140\text{E-}004 * x + 1.8468\text{E-}005$$

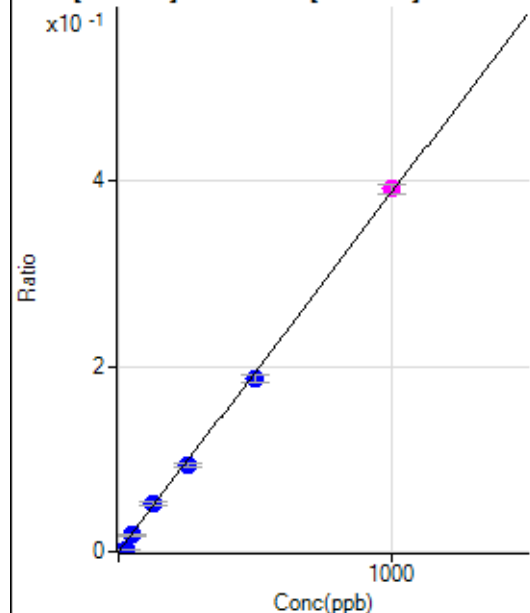
$$R = 0.9999$$

$$DL = 0.005635$$

$$BEC = 0.02491$$

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	173.97	0.0001	P	33.6
2	☐	25.000	6.137	5387.94	0.0025	P	10.3
3	☐	50.000	45.331	38449.78	0.0176	P	4.4
4	☐	125.000	133.961	110329.74	0.0519	P	5.8
5	☐	250.000	240.471	198856.35	0.0932	P	4.9
6	☐	500.000	483.072	396335.72	0.1871	P	5.1
7	☐	1000.000	1010.431	825824.51	0.3912	M	3.0
8	☐			52012.70	0.0260	P	5.3

$$y = 3.8708\text{E-}004 * x + 7.8449\text{E-}005$$

$$R = 0.9996$$

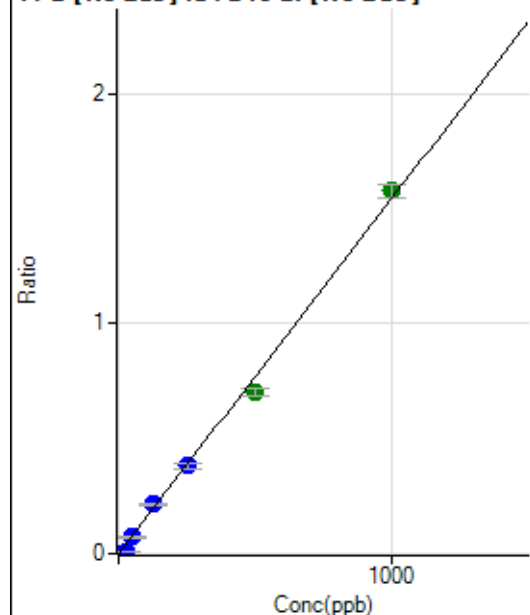
$$DL = 0.2042$$

$$BEC = 0.2027$$

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	701.88	0.0003	P	5.4
2	☐	25.000	6.208	21726.43	0.0099	P	11.0
3	☐	50.000	46.762	158075.03	0.0725	P	4.7
4	☐	125.000	138.981	456275.37	0.2147	P	5.4
5	☐	250.000	246.967	813941.53	0.3813	P	6.3
6	☐	500.000	454.418	1486016.48	0.7014	A	4.9
7	☐	1000.000	1022.434	3331349.81	1.5777	A	3.4
8	☐			213479.08	0.1069	P	5.4

$$y = 0.0015 * x + 3.1778E-004$$

$$R = 0.9982$$

$$DL = 0.03315$$

$$BEC = 0.206$$

Weight: <None>

Min Conc: 0

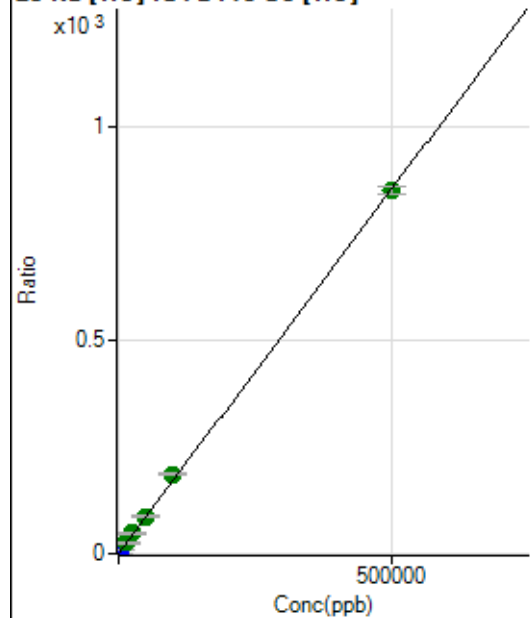
12 C [No Gas] No available calibration points



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			3717872.39		A	1.0
2	☐			3664828.81		A	1.5
3	☐			3672987.45		A	4.8
4	☐			3755910.98		A	3.5
5	☐			3824862.50		A	3.4
6	☐			3930651.57		A	3.4
7	☐			4050813.80		A	4.5
8	☐			3694442.96		A	1.9

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			45403.92		P	2.3
2	☐			44713.30		P	1.0
3	☐			47742.04		P	0.4
4	☐			48592.16		P	1.0
5	☐			50058.02		P	2.0
6	☐			50495.63		P	1.4
7	☐			53528.62		P	2.0
8	☐			48240.91		P	0.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	10809.83	0.1506	P	1.3
2	☐	500.000	509.799	74052.25	1.0222	P	2.0
3	☐	5000.000	5598.321	679086.75	9.7223	P	2.8
4	☐	12500.000	14496.554	1752532.64	24.9360	A	4.2
5	☐	25000.000	27801.823	3425446.47	47.6845	A	2.0
6	☐	50000.000	50847.891	6565052.93	87.0873	A	7.7
7	☐	100000.00	109075.16	13122022.34	186.6409	A	2.8
8	☐	500000.00	497904.18	59277274.93	851.4378	A	2.2

$$y = 0.0017 * x + 0.1506$$

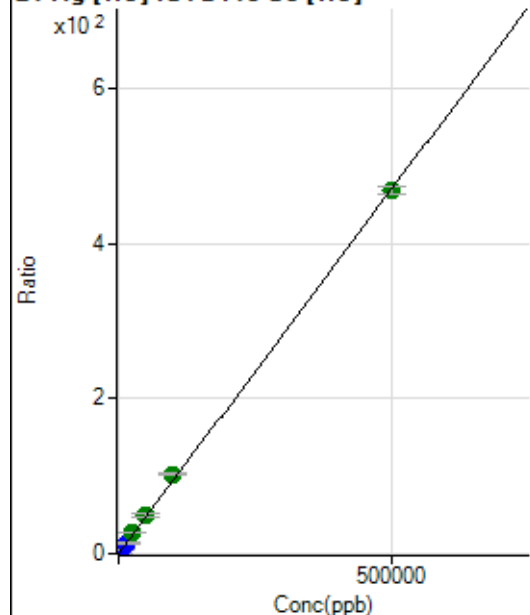
$$R = 0.9998$$

$$DL = 3.458$$

$$BEC = 88.09$$

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	363.90	0.0051	P	19.9
2	☐	500.000	514.693	35371.40	0.4883	P	2.9
3	☐	5000.000	5673.990	372498.06	5.3323	P	3.0
4	☐	12500.000	14377.131	949184.75	13.5037	P	2.7
5	☐	25000.000	28319.740	1910274.50	26.5943	A	2.6
6	☐	50000.000	52216.151	3696156.90	49.0305	A	7.7
7	☐	100000.00	108731.70	7178087.75	102.0926	A	2.8
8	☐	500000.00	497812.37	32540689.97	467.3981	A	2.1

$$y = 9.3889\text{E-}004 * x + 0.0051$$

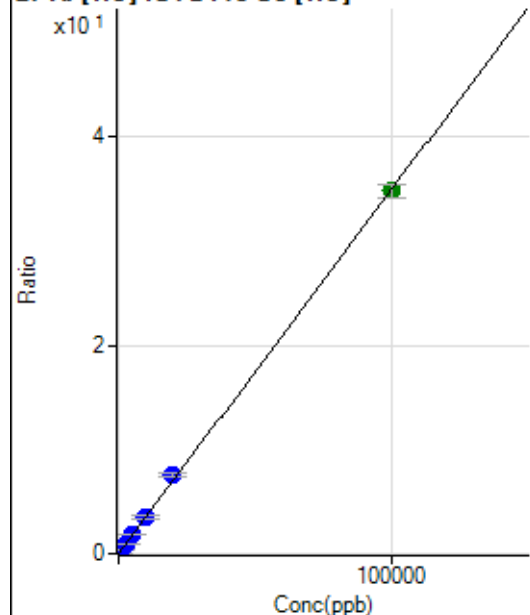
$$R = 0.9998$$

$$DL = 3.221$$

$$BEC = 5.402$$

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	45.83	0.0006	P	15.1
2	☐	20.000	21.275	585.36	0.0081	P	0.8
3	☐	1000.000	1126.105	27552.94	0.3945	P	3.3
4	☐	2500.000	2834.610	69733.76	0.9921	P	3.0
5	☐	5000.000	5461.332	137258.49	1.9109	P	2.4
6	☐	10000.000	10088.594	265872.53	3.5293	P	8.6
7	☐	20000.000	21572.878	530529.50	7.5462	P	3.5
8	☐	100000.00	99643.872	2426503.88	34.8532	A	3.4

$$y = 3.4977\text{E-}004 * x + 6.3854\text{E-}004$$

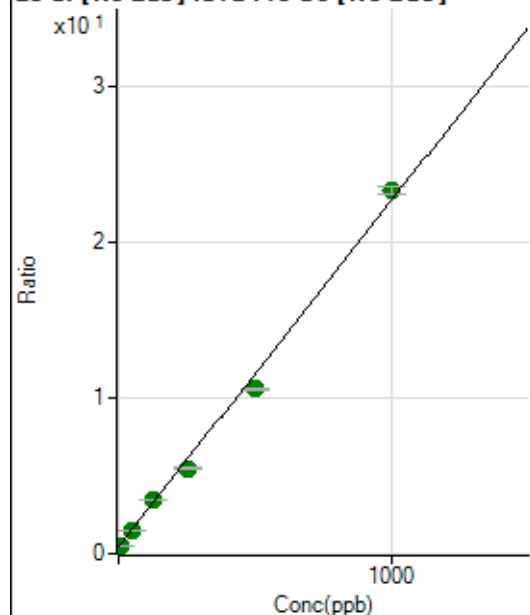
$$R = 0.9999$$

$$DL = 0.8274$$

$$BEC = 1.826$$

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	1151444.17	0.4516	A	1.4
2	☐	10.000	0.768	1175214.74	0.4687	A	3.9
3	☐	50.000	47.131	3781594.23	1.4986	A	1.1
4	☐	125.000	135.709	8751050.72	3.4663	A	2.7
5	☐	250.000	225.085	13982802.91	5.4518	A	1.9
6	☐	500.000	454.939	27220905.99	10.5579	A	0.8
7	☐	1000.000	1027.656	59772350.64	23.2805	A	2.0
8	☐			1327483.16	0.5396	A	3.1

$$y = 0.0222 * x + 0.4516$$

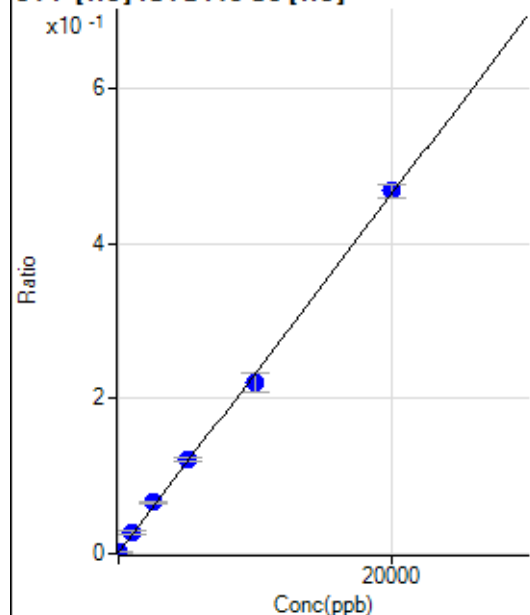
$$R = 0.9981$$

$$DL = 0.8703$$

$$BEC = 20.33$$

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	-13.954	72.23	0.0010	P	36.8
2	☐	0.000	13.954	119.45	0.0017	P	28.8
3	☐	1000.000	1149.387	1947.41	0.0279	P	14.7
4	☐	2500.000	2786.011	4625.86	0.0658	P	3.0
5	☐	5000.000	5182.793	8708.36	0.1212	P	5.0
6	☐	10000.000	9457.069	16557.10	0.2201	P	10.9
7	☐	20000.000	20182.546	32924.08	0.4683	P	3.5
8	☐			130.56	0.0019	P	14.0

$$y = 2.3138E-005 * x + 0.0013$$

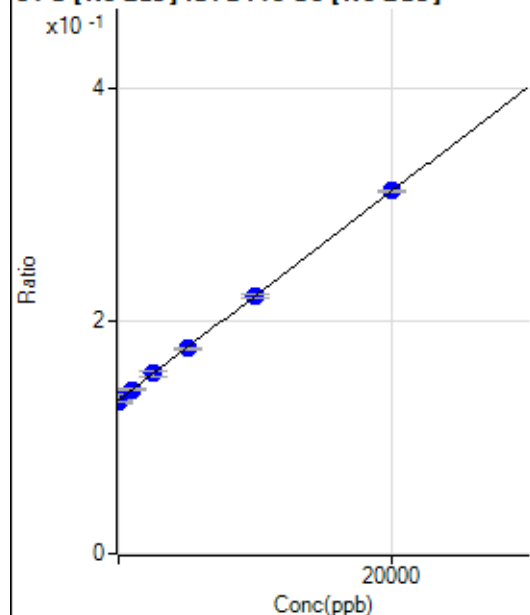
$$R = 0.9993$$

$$DL = 54.76$$

$$BEC = 57.39$$

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	-165.988	333516.41	0.1308	P	1.6
2	☐	0.000	165.988	335366.22	0.1338	P	4.7
3	☐	1000.000	999.082	356505.64	0.1413	P	0.4
4	☐	2500.000	2510.254	390933.57	0.1549	P	3.2
5	☐	5000.000	4908.103	452498.65	0.1764	P	0.7
6	☐	10000.000	9998.669	572829.53	0.2222	P	1.4
7	☐	20000.000	20022.404	801821.50	0.3123	P	0.8
8	☐			300145.45	0.1221	P	5.1

$$y = 8.9895E-006 * x + 0.1323$$

$$R = 0.9999$$

$$DL = 1383$$

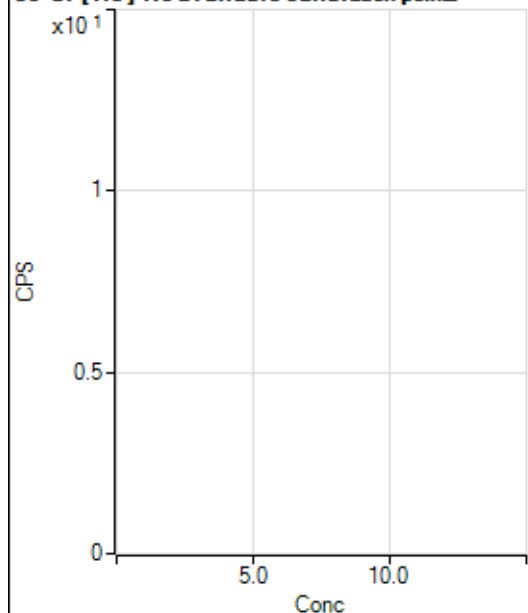
$$BEC = 1.472E+04$$

Weight: <None>

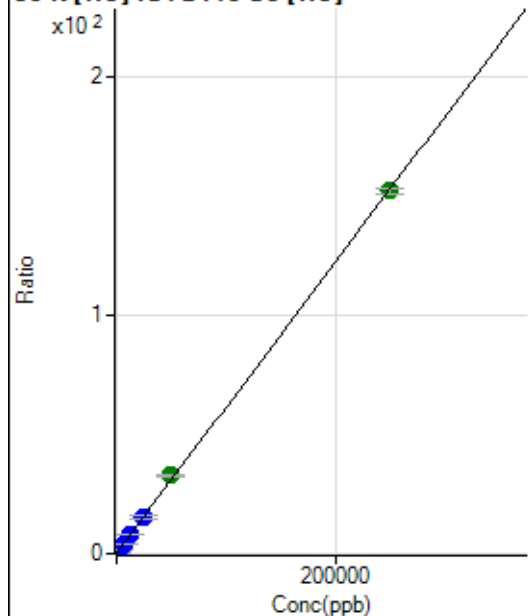
Min Conc: 0

35 Cl [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			92310.49		P	1.9
2	☐			96957.25		P	1.3
3	☐			111679.44		P	1.2
4	☐			113625.29		P	2.2
5	☐			114842.58		P	1.9
6	☐			117357.28		P	2.5
7	☐			120418.10		P	1.7
8	☐			107929.12		P	2.2

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			536.14		P	10.0
2	☐			650.03		P	11.0
3	☐			747.26		P	7.2
4	☐			694.48		P	20.4
5	☐			675.03		P	21.9
6	☐			733.38		P	9.7
7	☐			702.82		P	10.1
8	☐			688.92		P	11.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	20553.98	0.2863	P	2.6
2	☐	500.000	488.707	42324.00	0.5842	P	1.4
3	☐	2500.000	2651.745	132890.66	1.9027	P	3.2
4	☐	6250.000	6648.208	304991.48	4.3388	P	2.4
5	☐	12500.000	13035.601	591372.48	8.2323	P	1.8
6	☐	25000.000	24363.908	1139266.08	15.1375	P	10.0
7	☐	50000.000	53711.693	2322060.53	33.0267	A	2.7
8	☐	250000.00	249283.04	10599741.99	152.2387	A	1.3

$$y = 6.0956E-004 * x + 0.2863$$

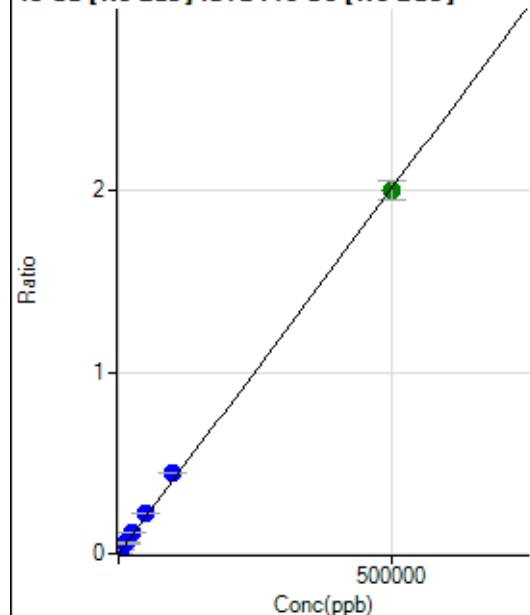
$$R = 0.9999$$

$$DL = 36.12$$

$$BEC = 469.8$$

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	97.49	0.0000	P	14.5
2	☐	500.000	512.517	5259.48	0.0021	P	5.8
3	☐	5000.000	5622.985	57139.56	0.0226	P	1.1
4	☐	12500.000	14504.334	147314.90	0.0583	P	2.3
5	☐	25000.000	28225.863	291142.80	0.1135	P	0.8
6	☐	50000.000	55446.642	574802.22	0.2229	P	0.8
7	☐	100000.00	111051.14	1146390.01	0.4465	P	1.2
8	☐	500000.00	497027.46	4912736.49	1.9982	A	5.4

$$y = 4.0201\text{E-}006 * x + 3.8239\text{E-}005$$

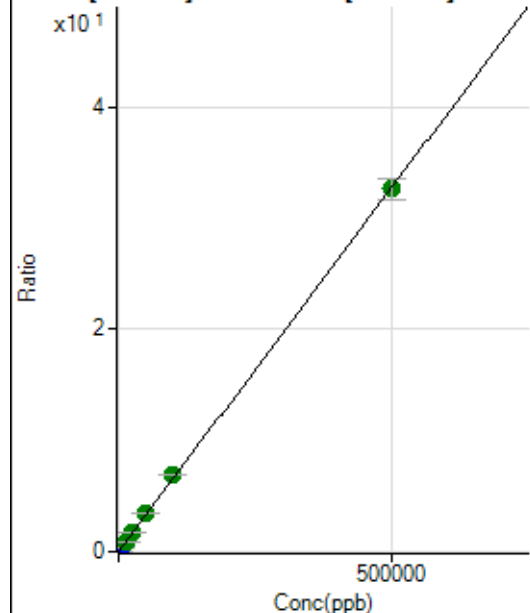
$$R = 0.9997$$

$$DL = 4.129$$

$$BEC = 9.512$$

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	8929.22	0.0035	P	0.9
2	☐	500.000	506.144	91872.23	0.0367	P	5.8
3	☐	5000.000	5319.802	888252.07	0.3520	P	0.7
4	☐	12500.000	14100.011	2341549.47	0.9272	A	1.4
5	☐	25000.000	27050.522	4554020.65	1.7756	A	1.8
6	☐	50000.000	52082.882	8807201.72	3.4156	A	0.7
7	☐	100000.00	105496.48	17754368.65	6.9148	A	0.1
8	☐	500000.00	498546.68	80295146.57	32.6643	A	5.9

$$y = 6.5512\text{E-}005 * x + 0.0035$$

$$R = 0.9999$$

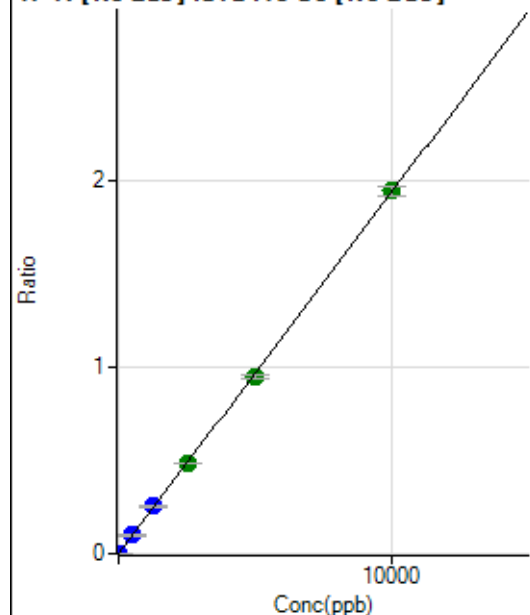
$$DL = 1.367$$

$$BEC = 53.46$$

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	127.78	0.0001	P	30.7
2	☐	5.000	4.928	2522.52	0.0010	P	3.5
3	☐	500.000	506.050	247694.60	0.0982	P	0.7
4	☐	1250.000	1307.353	639981.19	0.2535	P	3.1
5	☐	2500.000	2508.767	1247688.27	0.4864	A	1.0
6	☐	5000.000	4904.643	2451602.51	0.9509	A	1.6
7	☐	10000.000	10038.015	4996282.01	1.9461	A	2.7
8	☐			1127.85	0.0005	P	12.4

$$y = 1.9387E-004 * x + 5.0093E-005$$

$$R = 0.9999$$

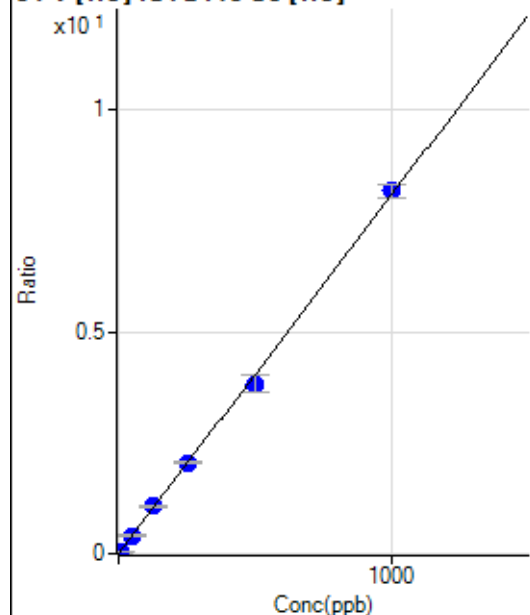
$$DL = 0.2382$$

$$BEC = 0.2584$$

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	4.44	0.0001	P	114.
2	☐	5.000	4.756	2789.19	0.0385	P	6.1
3	☐	50.000	50.660	28597.56	0.4094	P	2.7
4	☐	125.000	131.883	74894.03	1.0656	P	4.2
5	☐	250.000	254.216	147546.72	2.0540	P	1.7
6	☐	500.000	473.619	288048.67	3.8266	P	9.7
7	☐	1000.000	1011.245	574398.43	8.1704	P	3.8
8	☐			163.34	0.0023	P	5.1

$$y = 0.0081 * x + 6.1690E-005$$

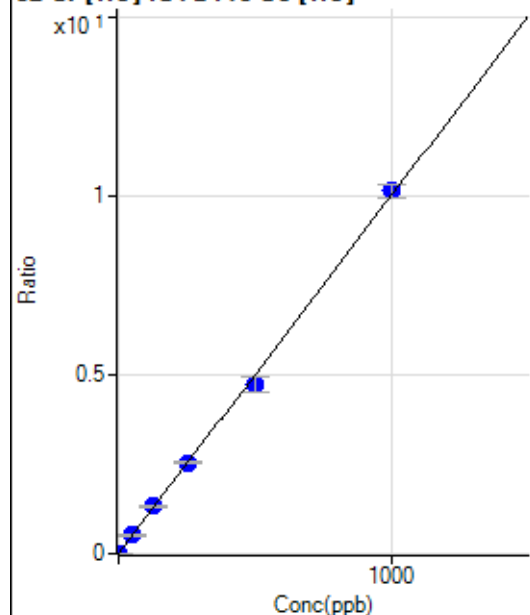
$$R = 0.9994$$

$$DL = 0.02623$$

$$BEC = 0.007635$$

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	287.78	0.0040	P	16.8
2	☐	2.000	1.992	1733.46	0.0239	P	2.8
3	☐	50.000	51.385	36166.88	0.5179	P	4.1
4	☐	125.000	131.594	92800.33	1.3202	P	2.1
5	☐	250.000	253.319	182282.18	2.5376	P	2.3
6	☐	500.000	472.002	355748.26	4.7248	P	9.4
7	☐	1000.000	1012.276	712092.80	10.1284	P	3.6
8	☐			6911.74	0.0993	P	3.7

$$y = 0.0100 * x + 0.0040$$

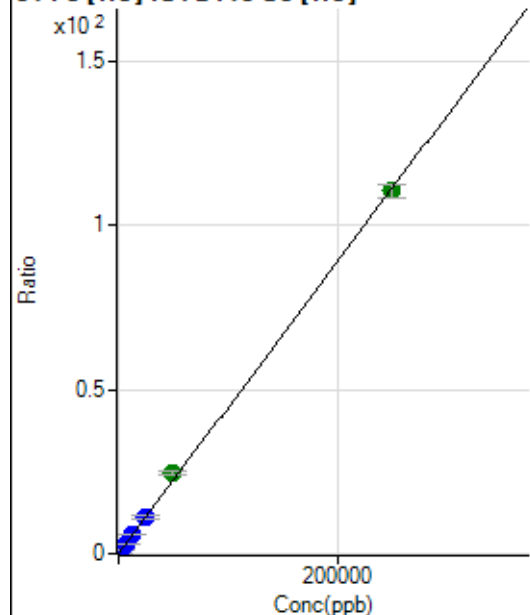
$$R = 0.9994$$

$$DL = 0.2017$$

$$BEC = 0.4008$$

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	362.97	0.0051	P	6.9
2	☐	50.000	49.082	1944.61	0.0268	P	2.6
3	☐	2500.000	2757.818	85797.58	1.2291	P	5.8
4	☐	6250.000	7071.418	220997.50	3.1436	P	1.6
5	☐	12500.000	13557.551	432596.77	6.0224	P	3.0
6	☐	25000.000	25282.813	845223.00	11.2265	P	9.4
7	☐	50000.000	55370.075	1728050.33	24.5804	A	3.4
8	☐	250000.00	248821.71	7688373.38	110.4416	A	3.4

$$y = 4.4384E-004 * x + 0.0051$$

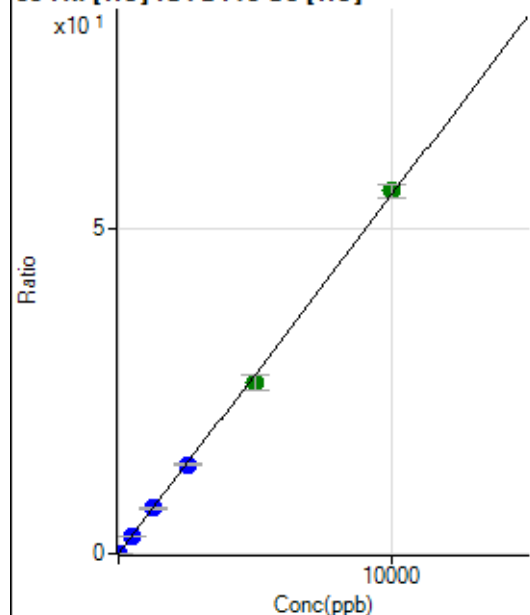
$$R = 0.9998$$

$$DL = 2.359$$

$$BEC = 11.4$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	11.11	0.0002	P	45.6
2	☐	1.000	1.007	414.45	0.0057	P	7.1
3	☐	500.000	497.804	192131.06	2.7514	P	3.9
4	☐	1250.000	1265.959	491810.44	6.9967	P	2.6
5	☐	2500.000	2478.500	983958.94	13.6981	P	3.0
6	☐	5000.000	4778.959	1989960.94	26.4121	A	8.4
7	☐	10000.000	10114.011	3929562.13	55.8974	A	3.8
8	☐			3915.01	0.0562	P	4.4

$$y = 0.0055 * x + 1.5468E-004$$

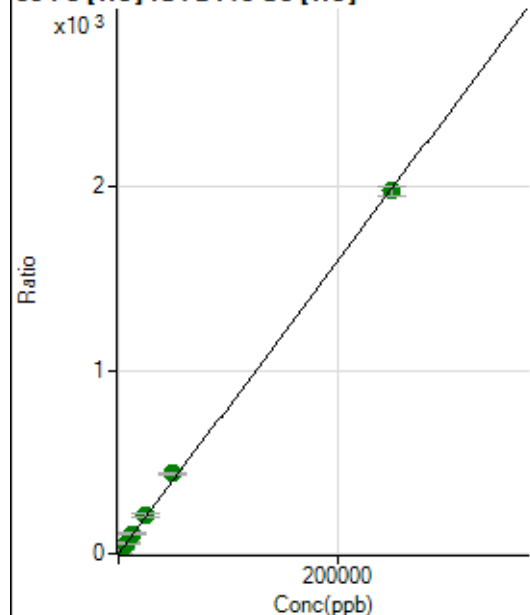
$$R = 0.9996$$

$$DL = 0.03829$$

$$BEC = 0.02799$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1581.60	0.0220	P	10.1
2	☐	50.000	50.669	30796.49	0.4251	P	1.6
3	☐	2500.000	2883.692	1603953.41	22.9617	A	3.3
4	☐	6250.000	7244.262	4052392.97	57.6500	A	3.0
5	☐	12500.000	13842.089	7911845.03	110.1356	A	1.3
6	☐	25000.000	26088.718	15623834.26	207.5573	A	9.7
7	☐	50000.000	55073.196	30802918.05	438.1283	A	2.8
8	☐	250000.00	248780.69	137781823.4	1.979068	A	2.8

$$y = 0.0080 * x + 0.0220$$

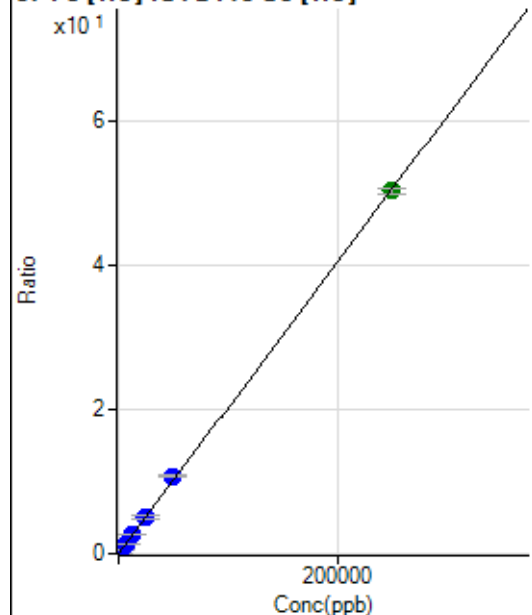
$$R = 0.9998$$

$$DL = 0.8355$$

$$BEC = 2.769$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	190.74	0.0027	P	21.4
2	☐	50.000	44.675	846.34	0.0117	P	10.2
3	☐	2500.000	2710.683	38467.22	0.5507	P	2.9
4	☐	6250.000	6862.260	97710.90	1.3900	P	2.1
5	☐	12500.000	13475.275	195894.48	2.7270	P	1.3
6	☐	25000.000	24953.242	379893.91	5.0475	P	9.8
7	☐	50000.000	53020.695	753833.05	10.7219	P	2.8
8	☐	250000.00	249334.36	3509761.92	50.4107	A	1.6

$$y = 2.0217\text{E-}004 * x + 0.0027$$

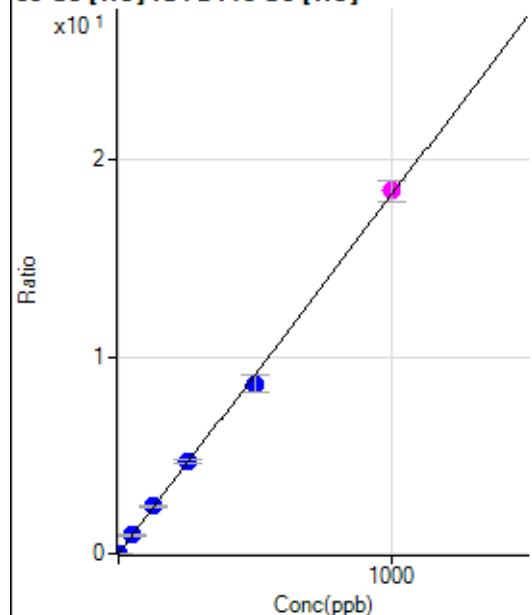
$$R = 0.9999$$

$$DL = 8.436$$

$$BEC = 13.14$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	24.45	0.0003	P	64.2
2	☐	1.000	0.992	1335.63	0.0184	P	8.1
3	☐	50.000	51.480	65635.19	0.9399	P	3.9
4	☐	125.000	132.027	169395.03	2.4099	P	2.7
5	☐	250.000	255.923	335489.40	4.6711	P	4.1
6	☐	500.000	473.727	650473.77	8.6461	P	10.5
7	☐	1000.000	1010.703	1296524.24	18.4462	M	6.1
8	☐			1198.95	0.0172	P	6.8

$$y = 0.0183 * x + 3.3983\text{E-}004$$

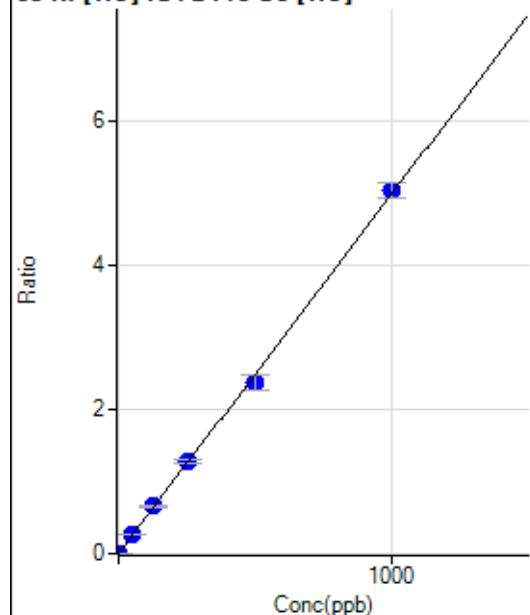
$$R = 0.9994$$

$$DL = 0.03587$$

$$BEC = 0.01862$$

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	22.22	0.0003	P	43.8
2	☐	1.000	0.934	360.01	0.0050	P	4.6
3	☐	50.000	52.379	18282.99	0.2617	P	4.0
4	☐	125.000	131.151	46028.83	0.6548	P	2.8
5	☐	250.000	257.145	92202.71	1.2836	P	3.4
6	☐	500.000	475.543	178733.46	2.3736	P	9.4
7	☐	1000.000	1009.554	354215.99	5.0387	P	4.1
8	☐			1086.72	0.0156	P	5.1

$$y = 0.0050 * x + 3.1006E-004$$

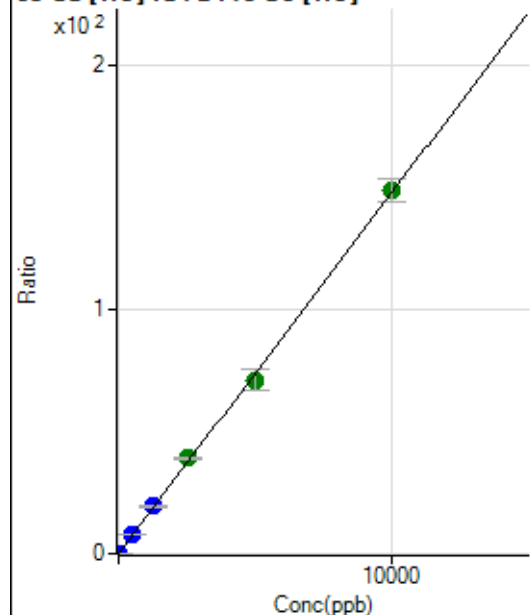
$$R = 0.9995$$

$$DL = 0.08172$$

$$BEC = 0.06213$$

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	328.90	0.0046	P	7.2
2	☐	2.000	2.016	2491.36	0.0344	P	2.6
3	☐	500.000	515.898	533073.50	7.6338	P	3.8
4	☐	1250.000	1312.022	1364161.98	19.4071	P	2.7
5	☐	2500.000	2643.370	2808228.29	39.0955	A	3.5
6	☐	5000.000	4803.356	5338152.14	71.0379	A	12.1
7	☐	10000.000	10053.932	10450080.12	148.6849	A	6.4
8	☐			3571.60	0.0513	P	10.4

$$y = 0.0148 * x + 0.0046$$

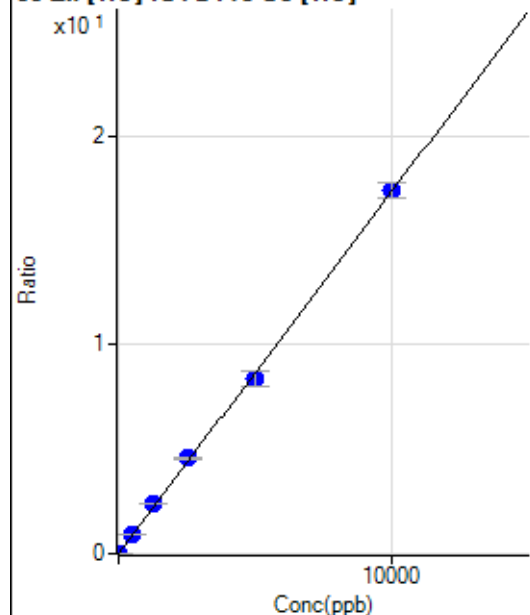
$$R = 0.9996$$

$$DL = 0.0671$$

$$BEC = 0.3099$$

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	88.89	0.0012	P	8.2
2	☐	2.000	2.420	393.34	0.0054	P	4.9
3	☐	500.000	534.424	64757.17	0.9272	P	3.1
4	☐	1250.000	1367.682	166668.01	2.3709	P	1.7
5	☐	2500.000	2644.200	329179.74	4.5825	P	1.8
6	☐	5000.000	4831.892	630793.80	8.3729	P	8.6
7	☐	10000.000	10031.572	1221955.33	17.3818	P	4.2
8	☐			1629.00	0.0234	P	4.4

$$y = 0.0017 * x + 0.0012$$

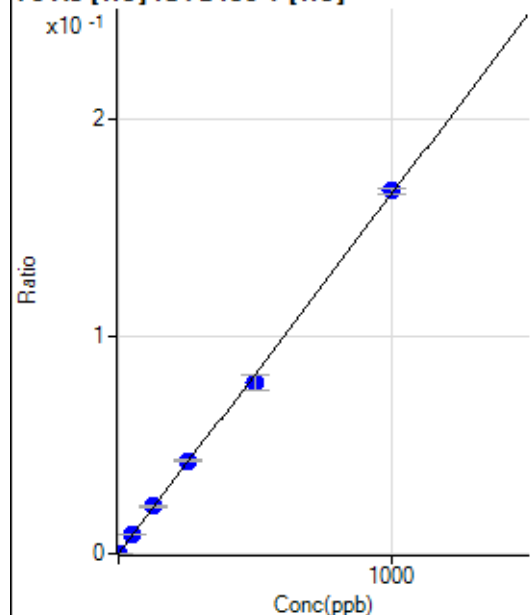
$$R = 0.9996$$

$$DL = 0.1754$$

$$BEC = 0.7145$$

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	2.33	0.0000	P	49.9
2	☐	1.000	1.048	85.68	0.0002	P	3.3
3	☐	50.000	52.136	3979.63	0.0087	P	2.3
4	☐	125.000	133.460	10224.07	0.0221	P	4.2
5	☐	250.000	257.836	20275.20	0.0428	P	2.5
6	☐	500.000	476.238	40042.14	0.0790	P	8.0
7	☐	1000.000	1008.758	79181.34	0.1673	P	1.9
8	☐			27.67	0.0001	P	19.4

$$y = 1.6584E-004 * x + 4.9309E-006$$

$$R = 0.9995$$

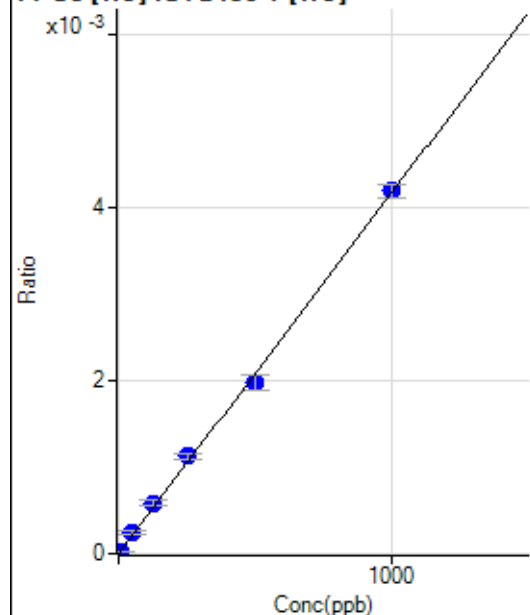
$$DL = 0.04452$$

$$BEC = 0.02973$$

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	4.443	8.89	0.0000	P	77.9
3	☐	50.000	56.799	108.89	0.0002	P	20.3
4	☐	125.000	139.696	268.89	0.0006	P	11.2
5	☐	250.000	270.208	534.46	0.0011	P	6.9
6	☐	500.000	474.009	1003.38	0.0020	P	8.6
7	☐	1000.000	1005.769	1985.72	0.0042	P	3.5
8	☐			0.00	0.0000	P	

$$y = 4.1719\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9992$$

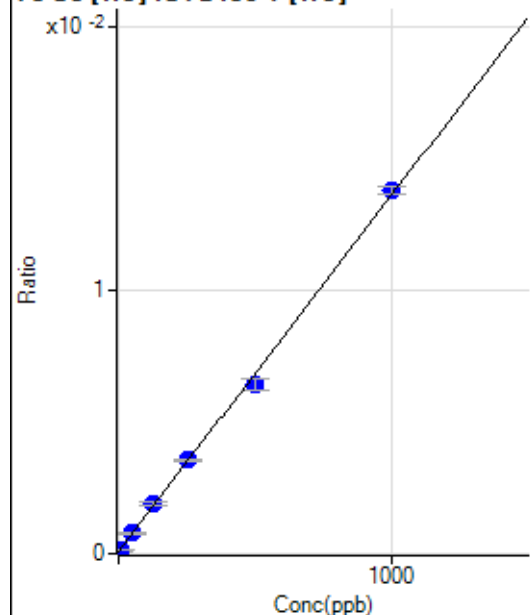
$$DL = 0$$

$$BEC = 0$$

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	40.67	0.0001	P	17.1
2	☐	5.000	3.743	65.34	0.0001	P	17.3
3	☐	50.000	51.518	360.04	0.0008	P	4.8
4	☐	125.000	134.380	879.45	0.0019	P	5.4
5	☐	250.000	257.388	1692.61	0.0036	P	2.3
6	☐	500.000	469.687	3268.38	0.0064	P	7.3
7	☐	1000.000	1012.067	6523.84	0.0138	P	2.0
8	☐			38.67	0.0001	P	12.3

$$y = 1.3535\text{E-}005 * x + 8.5676\text{E-}005$$

$$R = 0.9992$$

$$DL = 3.247$$

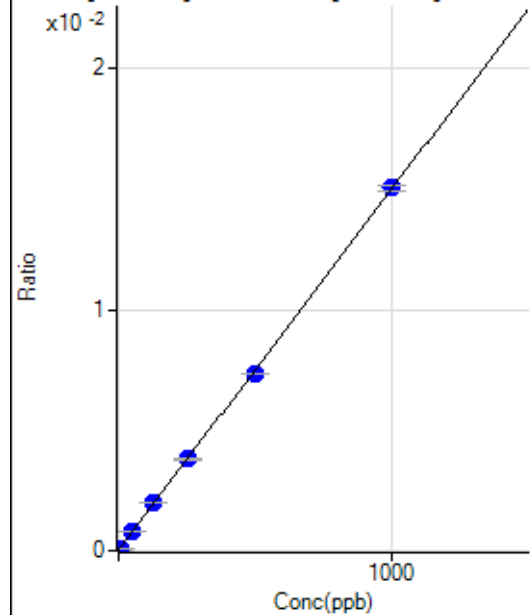
$$BEC = 6.33$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			39362.57		P	1.8
2	☐			40296.47		P	1.8
3	☐			40366.53		P	4.1
4	☐			40698.10		P	0.6
5	☐			39988.17		P	2.7
6	☐			40968.97		P	2.2
7	☐			40895.40		P	1.7
8	☐			39245.46		P	0.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	90.41	0.0000	P	12.6
2	☐	5.000	5.095	460.38	0.0001	P	11.2
3	☐	50.000	50.183	3691.36	0.0008	P	0.6
4	☐	125.000	131.219	9593.12	0.0020	P	1.1
5	☐	250.000	253.675	19056.30	0.0038	P	1.3
6	☐	500.000	487.590	36574.36	0.0073	P	0.2
7	☐	1000.000	1004.499	72969.00	0.0150	P	1.8
8	☐			119.98	0.0000	P	3.8

$$y = 1.4958\text{E-}005 * x + 1.8294\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.4615$$

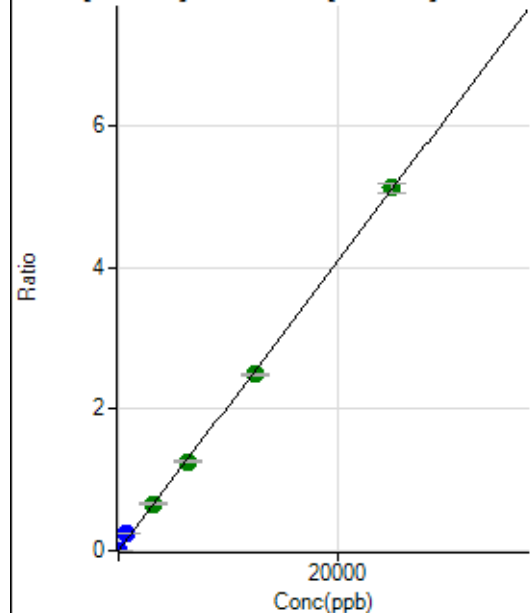
$$BEC = 1.223$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			264.14		P	7.6
2	☐			280.39		P	4.9
3	☐			276.64		P	12.5
4	☐			278.72		P	3.9
5	☐			268.72		P	13.9
6	☐			290.38		P	10.4
7	☐			291.64		P	7.6
8	☐			322.88		P	6.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	491.69	0.0001	P	15.8
2	☐	1.000	1.004	1480.68	0.0003	P	5.6
3	☐	625.000	1246.402	1220723.40	0.2543	P	1.3
4	☐	3125.000	3254.743	3214547.01	0.6639	A	1.4
5	☐	6250.000	6161.344	6281093.37	1.2566	A	1.1
6	☐	12500.000	12222.452	12468264.78	2.4927	A	1.3
7	☐	25000.000	25129.185	24862081.80	5.1249	A	2.4
8	☐			7349.46	0.0016	P	7.0

$$y = 2.0394E-004 * x + 9.9222E-005$$

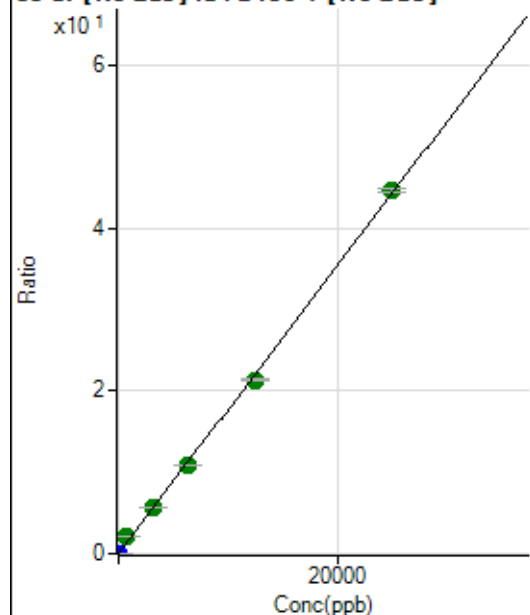
$$R = 0.9996$$

$$DL = 0.23$$

$$BEC = 0.4865$$

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	158.34	0.0000	P	28.9
2	☐	1.000	0.954	8372.22	0.0017	P	1.5
3	☐	625.000	1229.382	10423029.05	2.1711	A	0.4
4	☐	3125.000	3168.354	27092392.27	5.5954	A	1.5
5	☐	6250.000	6175.743	54519369.97	10.9065	A	0.6
6	☐	12500.000	12046.929	106430441.9	21.2751	A	1.1
7	☐	25000.000	25224.571	216097732.6	44.5471	A	1.2
8	☐			59742.58	0.0126	P	5.1

$$y = 0.0018 * x + 3.2001E-005$$

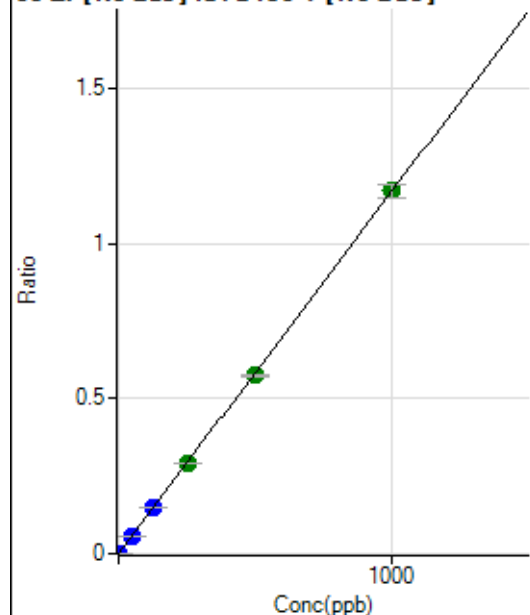
$$R = 0.9994$$

$$DL = 0.01571$$

$$BEC = 0.01812$$

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	236.12	0.0000	P	7.1
2	☐	1.000	0.844	5026.04	0.0010	P	7.7
3	☐	50.000	48.821	273510.35	0.0570	P	0.3
4	☐	125.000	127.420	719606.21	0.1486	P	0.5
5	☐	250.000	250.235	1458703.13	0.2918	A	0.5
6	☐	500.000	493.536	2878617.04	0.5755	A	1.2
7	☐	1000.000	1002.930	5671732.63	1.1694	A	3.7
8	☐			1483.45	0.0003	P	4.3

$$y = 0.0012 * x + 4.7681E-005$$

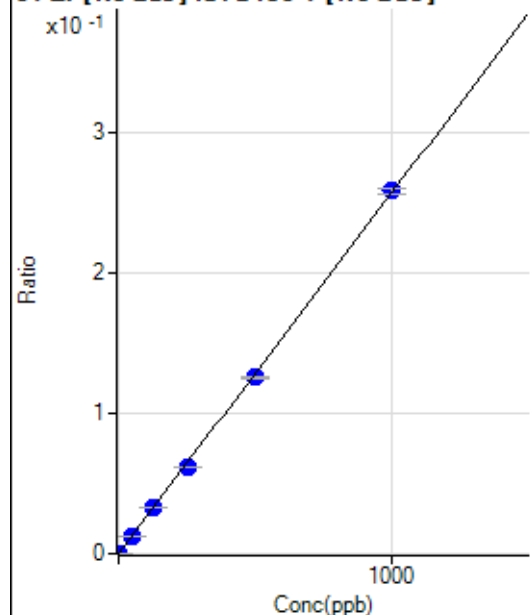
$$R = 1.0000$$

$$DL = 0.008674$$

$$BEC = 0.04089$$

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	50.00	0.0000	P	48.6
2	☐	1.000	0.783	1027.85	0.0002	P	4.9
3	☐	50.000	48.843	60219.51	0.0125	P	0.5
4	☐	125.000	129.300	160706.49	0.0332	P	1.2
5	☐	250.000	241.062	309286.44	0.0619	P	0.1
6	☐	500.000	490.036	629099.83	0.1258	P	1.2
7	☐	1000.000	1006.737	1253198.12	0.2584	P	1.6
8	☐			313.90	0.0001	P	16.0

$$y = 2.5662\text{E-}004 * x + 1.0039\text{E-}005$$

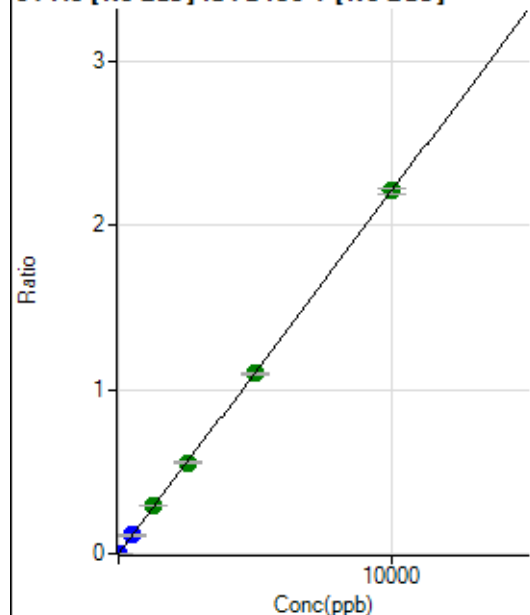
$$R = 0.9999$$

$$DL = 0.05699$$

$$BEC = 0.03912$$

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	58.34	0.0000	P	74.7
2	☐	5.000	5.563	6045.92	0.0012	P	7.5
3	☐	500.000	505.524	536806.35	0.1118	P	1.5
4	☐	1250.000	1313.088	1406176.74	0.2904	A	1.2
5	☐	2500.000	2512.684	2777779.31	0.5557	A	0.8
6	☐	5000.000	4972.925	5501751.21	1.0999	A	0.9
7	☐	10000.000	10002.204	10730244.08	2.2122	A	1.7
8	☐			3839.55	0.0008	P	12.3

$$y = 2.2117\text{E-}004 * x + 1.1716\text{E-}005$$

$$R = 1.0000$$

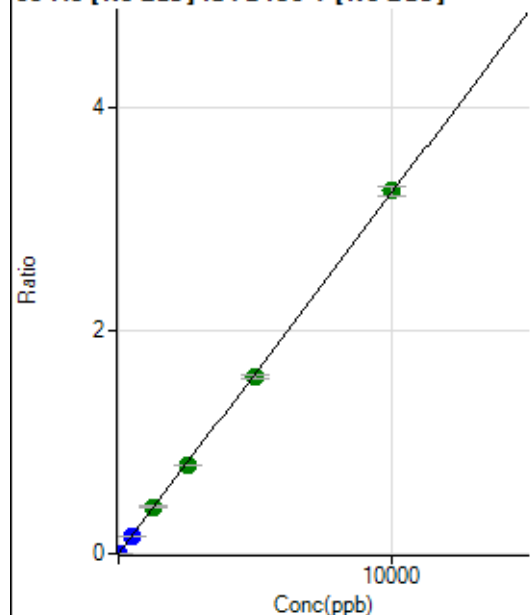
$$DL = 0.1188$$

$$BEC = 0.05297$$

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	25.00	0.0000	P	58.2
2	☐	5.000	5.034	7952.48	0.0016	P	5.1
3	☐	500.000	500.308	776471.89	0.1617	P	0.9
4	☐	1250.000	1297.951	2031543.88	0.4196	A	1.7
5	☐	2500.000	2461.102	3976596.57	0.7956	A	1.1
6	☐	5000.000	4902.092	7926073.53	1.5847	A	1.8
7	☐	10000.000	10052.669	15761551.92	3.2497	A	2.9
8	☐			5123.33	0.0011	P	11.0

$$y = 3.2326\text{E-}004 * x + 5.0719\text{E-}006$$

$$R = 0.9999$$

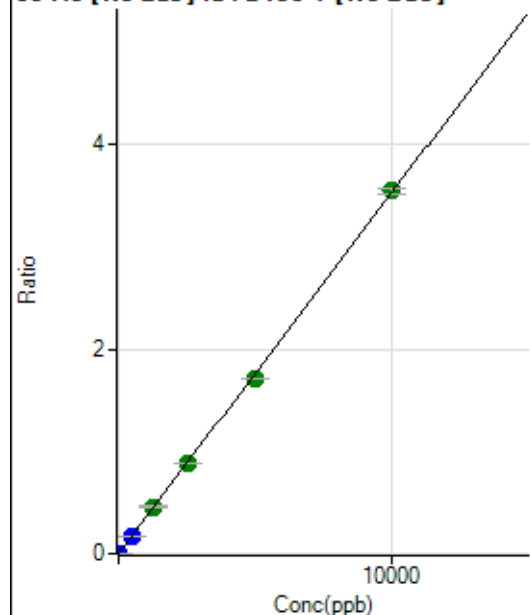
$$DL = 0.02741$$

$$BEC = 0.01569$$

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	66.67	0.0000	P	2.3
2	☐	5.000	5.140	8903.08	0.0018	P	2.4
3	☐	500.000	501.950	850254.95	0.1771	P	1.7
4	☐	1250.000	1299.173	2219380.06	0.4583	A	1.8
5	☐	2500.000	2500.510	4409848.10	0.8822	A	0.4
6	☐	5000.000	4859.094	8575493.86	1.7142	A	0.8
7	☐	10000.000	10064.081	17221960.80	3.5505	A	1.7
8	☐			11304.98	0.0024	P	3.3

$$y = 3.5279\text{E-}004 * x + 1.3479\text{E-}005$$

$$R = 0.9998$$

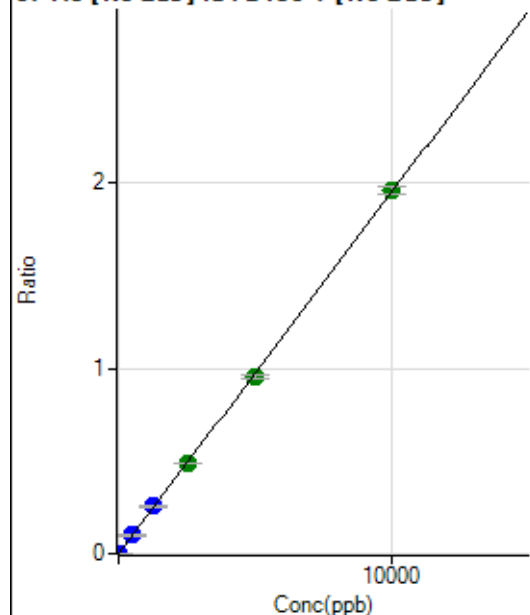
$$DL = 0.002581$$

$$BEC = 0.03821$$

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	99.9
2	☐	5.000	4.839	4598.12	0.0009	P	12.9
3	☐	500.000	508.428	475954.82	0.0991	P	1.3
4	☐	1250.000	1309.217	1236140.70	0.2553	P	0.9
5	☐	2500.000	2499.070	2435994.45	0.4873	A	0.9
6	☐	5000.000	4906.750	4785147.11	0.9568	A	2.7
7	☐	10000.000	10039.034	9495568.70	1.9575	A	2.0
8	☐			3478.33	0.0007	P	12.6

$$y = 1.9499\text{E-}004 * x + 1.6618\text{E-}006$$

$$R = 0.9999$$

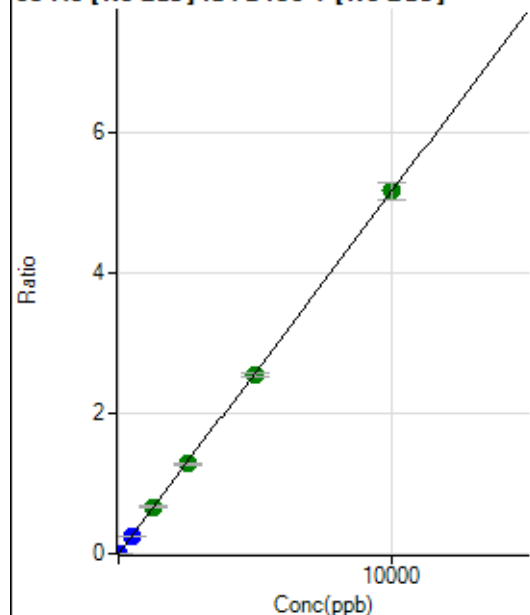
$$DL = 0.02554$$

$$BEC = 0.008522$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	27.78	0.0000	P	63.6
2	☐	5.000	4.852	12197.33	0.0025	P	6.7
3	☐	500.000	499.105	1233595.70	0.2570	P	0.0
4	☐	1250.000	1295.844	3230410.01	0.6671	A	2.7
5	☐	2500.000	2476.593	6371732.00	1.2750	A	2.5
6	☐	5000.000	4958.457	12767992.56	2.5528	A	2.4
7	☐	10000.000	10020.938	25022308.89	5.1591	A	4.5
8	☐			8133.16	0.0017	P	7.1

$$y = 5.1483\text{E-}004 * x + 5.6554\text{E-}006$$

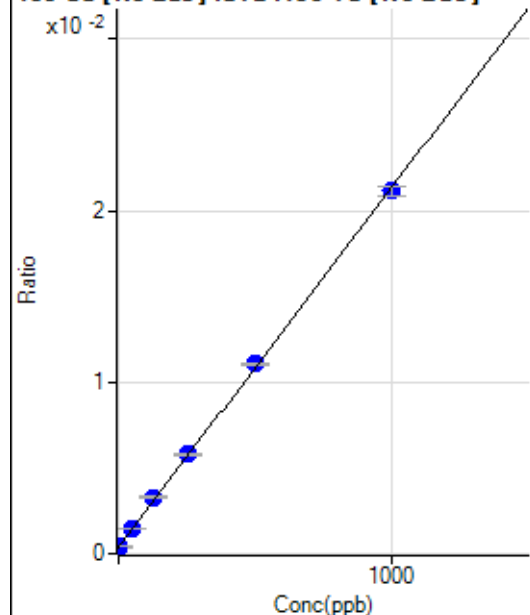
$$R = 1.0000$$

$$DL = 0.02098$$

$$BEC = 0.01098$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1719.60	0.0004	P	8.5
2	☐	1.000	1.286	1822.39	0.0004	P	2.8
3	☐	50.000	53.357	6593.42	0.0015	P	1.0
4	☐	125.000	139.124	14571.96	0.0033	P	1.6
5	☐	250.000	258.858	26573.56	0.0058	P	1.7
6	☐	500.000	509.277	50549.05	0.0110	P	1.5
7	☐	1000.000	991.213	96518.00	0.0211	P	2.8
8	☐			1633.48	0.0004	P	1.1

$$y = 2.0944\text{E-}005 * x + 3.8270\text{E-}004$$

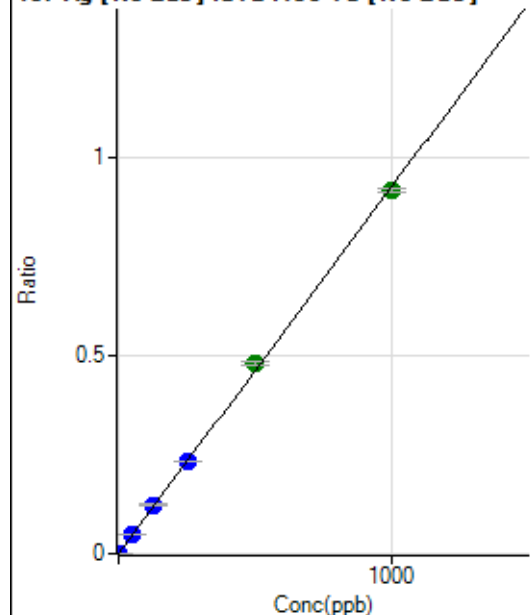
$$R = 0.9998$$

$$DL = 4.639$$

$$BEC = 18.27$$

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	47.22	0.0000	P	63.1
2	☐	1.000	1.042	4336.92	0.0010	P	5.6
3	☐	50.000	51.910	211127.49	0.0481	P	2.4
4	☐	125.000	133.044	544301.42	0.1232	P	3.3
5	☐	250.000	251.644	1066433.76	0.2329	P	1.5
6	☐	500.000	517.791	2192597.01	0.4793	A	1.7
7	☐	1000.000	989.592	4181655.61	0.9160	A	1.0
8	☐			2016.87	0.0005	P	5.7

$$y = 9.2560\text{E-}004 * x + 1.0559\text{E-}005$$

$$R = 0.9997$$

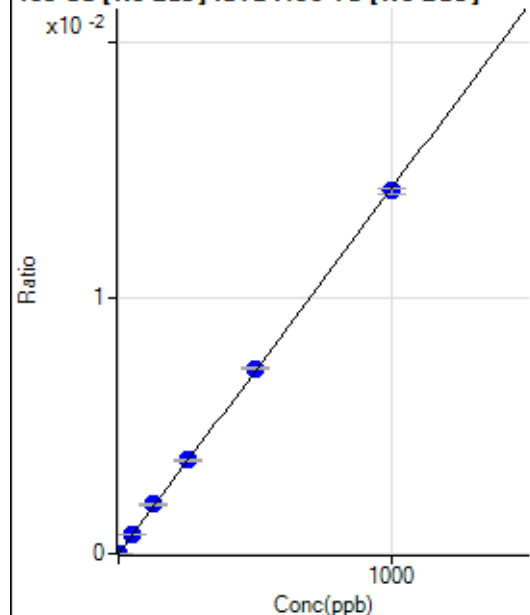
$$DL = 0.02159$$

$$BEC = 0.01141$$

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	2.78	0.0000	P	86.6
2	☐	1.000	1.098	72.22	0.0000	P	33.6
3	☐	50.000	51.791	3253.21	0.0007	P	3.1
4	☐	125.000	135.152	8538.85	0.0019	P	2.1
5	☐	250.000	256.873	16807.63	0.0037	P	2.0
6	☐	500.000	507.648	33190.13	0.0073	P	0.8
7	☐	1000.000	993.099	64795.94	0.0142	P	1.3
8	☐			56.94	0.0000	P	38.0

$$y = 1.4289\text{E-}005 * x + 6.1986\text{E-}007$$

$$R = 0.9999$$

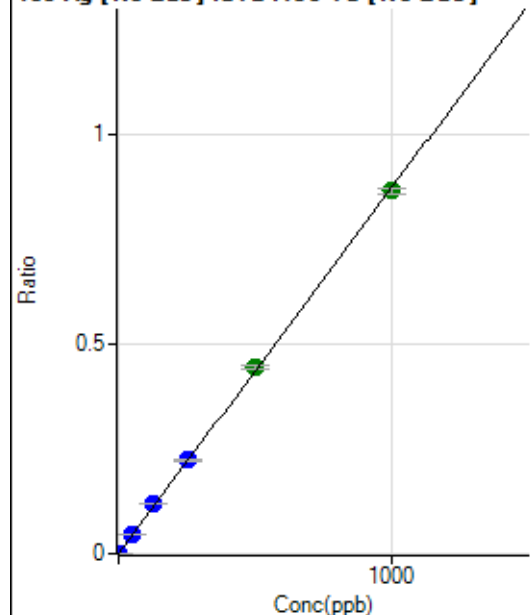
$$DL = 0.1128$$

$$BEC = 0.04338$$

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	19.45	0.0000	P	26.5
2	☐	1.000	1.033	4036.81	0.0009	P	6.2
3	☐	50.000	52.422	201349.48	0.0458	P	0.9
4	☐	125.000	137.521	531398.30	0.1202	P	0.7
5	☐	250.000	255.625	1023026.74	0.2234	P	1.3
6	☐	500.000	509.603	2038279.54	0.4454	A	1.3
7	☐	1000.000	992.106	3958681.51	0.8672	A	1.7
8	☐			1827.95	0.0004	P	4.7

$$y = 8.7409\text{E-}004 * x + 4.3442\text{E-}006$$

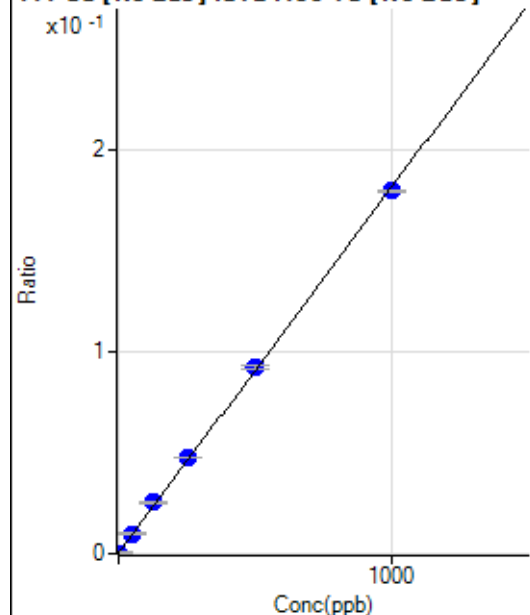
$$R = 0.9999$$

$$DL = 0.003945$$

$$BEC = 0.00497$$

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	1207.33	0.0003	P	8.7
2	☐	1.000	1.138	2114.05	0.0005	P	1.0
3	☐	50.000	53.625	43959.38	0.0100	P	0.7
4	☐	125.000	138.122	112026.68	0.0253	P	0.9
5	☐	250.000	260.574	217816.04	0.0476	P	0.9
6	☐	500.000	510.110	424899.78	0.0929	P	1.9
7	☐	1000.000	990.480	822130.65	0.1801	P	0.8
8	☐			1399.42	0.0003	P	1.9

$$y = 1.8154\text{E-}004 * x + 2.6869\text{E-}004$$

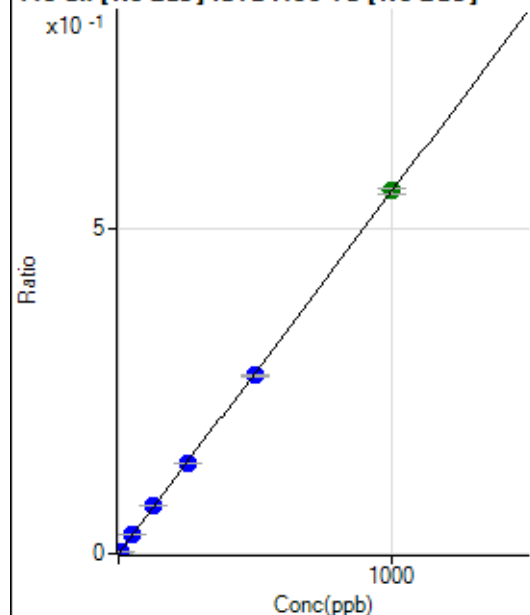
$$R = 0.9998$$

$$DL = 0.3843$$

$$BEC = 1.48$$

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	300.01	0.0001	P	16.4
2	☐	5.000	4.923	12483.78	0.0028	P	3.6
3	☐	50.000	51.222	125611.65	0.0286	P	1.8
4	☐	125.000	131.999	325123.32	0.0735	P	1.8
5	☐	250.000	250.905	639782.88	0.1397	P	0.9
6	☐	500.000	492.651	1255064.42	0.2743	P	1.1
7	☐	1000.000	1002.513	2548127.06	0.5581	A	1.4
8	☐			3078.22	0.0007	P	4.5

$$y = 5.5667\text{E-}004 * x + 6.6916\text{E-}005$$

$$R = 0.9999$$

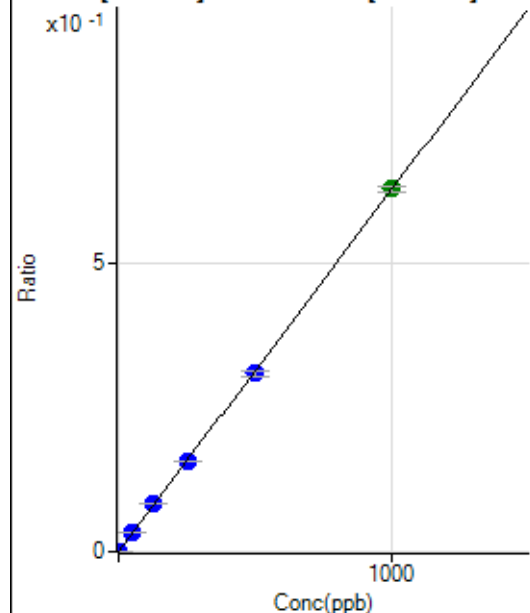
$$DL = 0.05898$$

$$BEC = 0.1202$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19.44	0.0000	P	138.
2	☐	2.000	1.948	5456.77	0.0012	P	4.7
3	☐	50.000	50.758	140011.80	0.0319	P	0.5
4	☐	125.000	131.372	364479.31	0.0825	P	1.3
5	☐	250.000	250.956	721165.34	0.1575	P	1.0
6	☐	500.000	492.747	1414734.96	0.3093	P	2.7
7	☐	1000.000	1002.554	2873092.67	0.6293	A	1.4
8	☐			2064.11	0.0005	P	8.2

$$y = 6.2764\text{E-}004 * x + 4.3891\text{E-}006$$

$$R = 0.9999$$

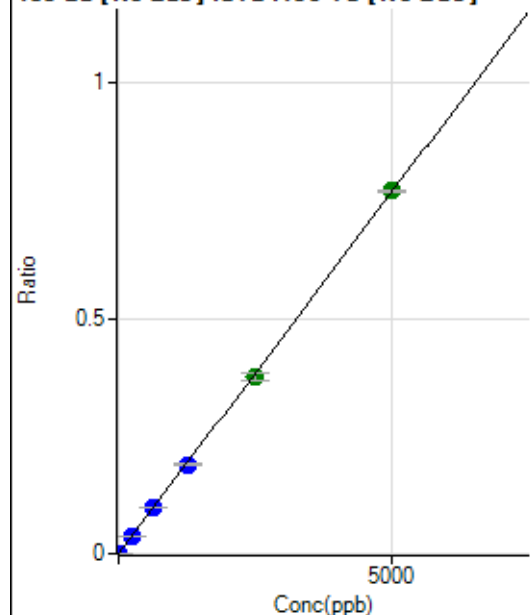
$$DL = 0.02911$$

$$BEC = 0.006993$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.89	0.0000	P	91.2
2	☐	10.000	9.402	6432.26	0.0014	P	3.5
3	☐	250.000	247.057	166607.80	0.0379	P	0.6
4	☐	625.000	645.046	437650.33	0.0990	P	1.3
5	☐	1250.000	1236.668	868926.36	0.1898	P	1.9
6	☐	2500.000	2455.449	1723591.34	0.3768	A	4.2
7	☐	5000.000	5023.251	3519518.48	0.7709	A	0.4
8	☐			2089.12	0.0005	P	2.5

$$y = 1.5346\text{E-}004 * x + 3.1147\text{E-}006$$

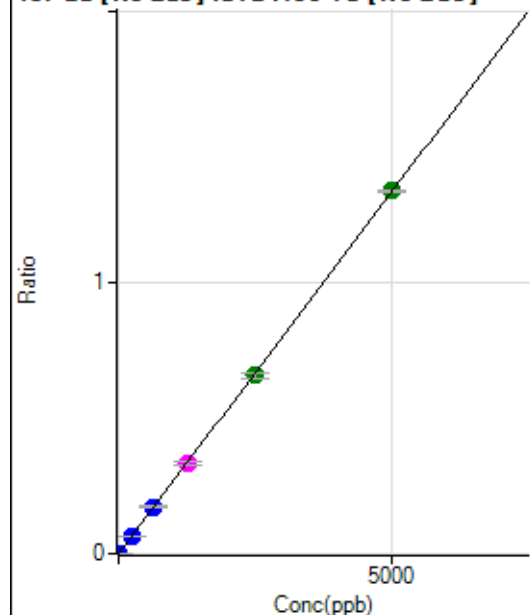
$$R = 0.9999$$

$$DL = 0.05553$$

$$BEC = 0.0203$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	25.00	0.0000	P	35.0
2	☐	10.000	9.602	11421.79	0.0026	P	3.4
3	☐	250.000	249.566	292795.51	0.0666	P	1.2
4	☐	625.000	650.418	767481.43	0.1736	P	1.4
5	☐	1250.000	1245.659	1522426.71	0.3325	M	3.8
6	☐	2500.000	2460.515	3004700.68	0.6568	A	3.0
7	☐	5000.000	5017.673	6115861.12	1.3395	A	0.7
8	☐			3525.57	0.0008	P	12.2

$$y = 2.6695E-004 * x + 5.5919E-006$$

$$R = 0.9999$$

$$DL = 0.02196$$

$$BEC = 0.02095$$

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	100.
2	☐			4.45		P	86.6
3	☐			31.11		P	32.7
4	☐			73.33		P	47.2
5	☐			108.89		P	21.5
6	☐			200.01		P	3.3
7	☐			433.35		P	16.1
8	☐			15.55		P	24.8

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	86.6
2	☐			0.00		P	
3	☐			5.56		P	34.7
4	☐			1.11		P	173.
5	☐			10.00		P	33.3
6	☐			17.78		P	47.2
7	☐			37.78		P	13.5
8	☐			7.78		P	65.5

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.78		P	173.
2	☐			13.89		P	124.
3	☐			11.11		P	43.3
4	☐			47.22		P	36.7
5	☐			55.56		P	8.7
6	☐			108.34		P	30.8
7	☐			272.23		P	24.6
8	☐			619.48		P	17.1

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	69.3
2	☐			0.00		P	
3	☐			8.89		P	78.1
4	☐			14.44		P	66.6
5	☐			30.00		P	44.4
6	☐			46.67		P	25.8
7	☐			91.11		P	11.8
8	☐			243.34		P	8.3

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.89		P	69.3
2	☐			38.89		P	24.7
3	☐			33.33		P	75.0
4	☐			52.78		P	9.1
5	☐			72.22		P	17.6
6	☐			116.67		P	25.8
7	☐			241.68		P	9.1
8	☐			780.60		P	5.9

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			47.78		P	16.1
2	☐			50.00		P	26.7
3	☐			47.78		P	28.2
4	☐			53.33		P	27.2
5	☐			64.45		P	6.0
6	☐			110.00		P	0.0
7	☐			152.23		P	16.1
8	☐			308.90		P	3.3

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			30.56		P	56.8
2	☐			22.22		P	57.3
3	☐			27.78		P	75.5
4	☐			47.22		P	40.8
5	☐			36.11		P	48.0
6	☐			77.78		P	22.3
7	☐			75.00		P	0.0
8	☐			52.78		P	65.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			16.66		P	34.6
2	☐			13.33		P	25.0
3	☐			15.56		P	96.6
4	☐			21.11		P	32.9
5	☐			13.34		P	43.3
6	☐			18.89		P	10.2
7	☐			31.11		P	32.7
8	☐			31.11		P	22.3

172 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	21.6
2	☐			27.78		P	34.6
3	☐			36.11		P	74.2
4	☐			50.00		P	28.9
5	☐			52.78		P	18.2
6	☐			86.11		P	43.6
7	☐			144.45		P	8.8
8	☐			241.67		P	21.5

172 Yb [He] No available calibration points

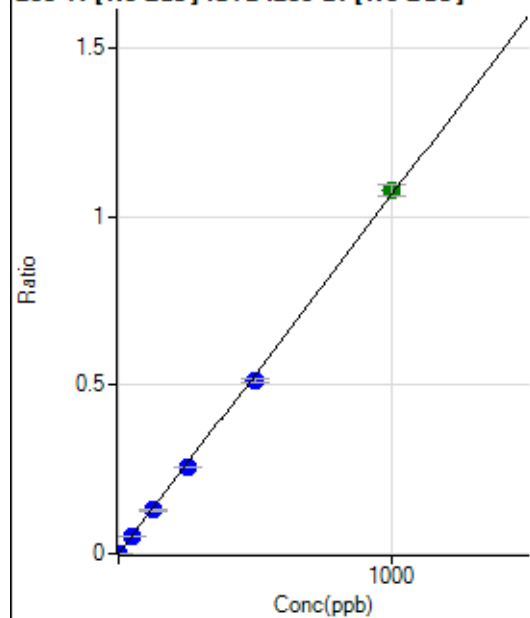
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	50.0
2	☐			9.26		P	91.7
3	☐			22.22		P	25.0
4	☐			11.11		P	50.0
5	☐			29.63		P	43.3
6	☐			40.74		P	20.8
7	☐			66.67		P	38.2
8	☐			112.97		P	7.5

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			736.16		P	4.3
2	☐			752.82		P	6.4
3	☐			1336.22		P	1.4
4	☐			2375.29		P	7.9
5	☐			3981.27		P	2.1
6	☐			7068.79		P	2.4
7	☐			13913.25		P	2.6
8	☐			733.38		P	21.8

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4424.90		P	1.3
2	☐			4306.33		P	0.5
3	☐			4463.80		P	6.9
4	☐			5073.28		P	6.0
5	☐			5686.53		P	3.3
6	☐			7074.25		P	6.2
7	☐			9316.38		P	1.8
8	☐			3998.83		P	1.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	69.45	0.0000	P	25.6
2	☐	1.000	0.867	2728.13	0.0009	P	10.2
3	☐	50.000	47.393	140163.09	0.0505	P	1.9
4	☐	125.000	122.495	371047.12	0.1305	P	3.5
5	☐	250.000	240.424	731847.55	0.2560	P	0.7
6	☐	500.000	481.857	1433677.45	0.5131	P	2.8
7	☐	1000.000	1011.909	3016010.66	1.0775	A	3.4
8	☐			836.16	0.0003	P	5.3

$$y = 0.0011 * x + 2.3978E-005$$

$$R = 0.9997$$

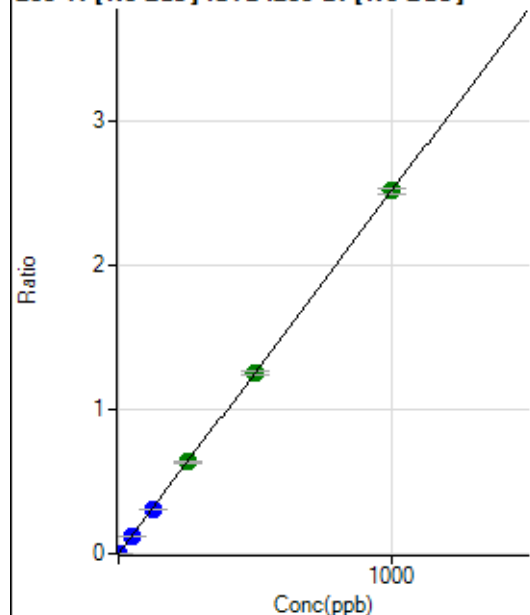
$$DL = 0.01728$$

$$BEC = 0.02252$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	175.01	0.0001	P	18.1
2	☐	1.000	0.936	6963.20	0.0024	P	4.0
3	☐	50.000	48.240	337078.90	0.1214	P	1.1
4	☐	125.000	122.405	876303.60	0.3081	P	3.0
5	☐	250.000	252.437	1815272.24	0.6353	A	2.7
6	☐	500.000	498.541	3505679.46	1.2546	A	2.1
7	☐	1000.000	1000.533	7048374.38	2.5177	A	1.7
8	☐			2083.56	0.0008	P	6.4

$$y = 0.0025 * x + 6.0422E-005$$

$$R = 1.0000$$

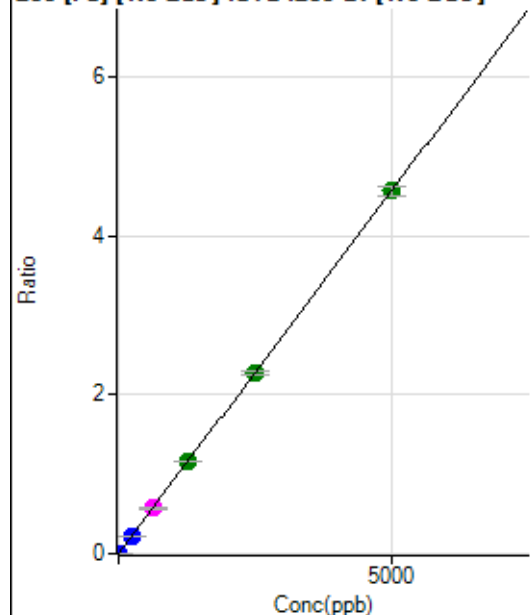
$$DL = 0.01304$$

$$BEC = 0.02401$$

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	340.75	0.0001	P	15.2
2	☐	1.000	0.920	2757.76	0.0010	P	5.6
3	☐	250.000	237.154	600896.08	0.2165	P	0.9
4	☐	625.000	628.125	1632067.98	0.5733	M	1.9
5	☐	1250.000	1274.416	3324019.06	1.1630	A	0.6
6	☐	2500.000	2487.987	6345097.65	2.2704	A	2.0
7	☐	5000.000	5000.154	12772469.61	4.5628	A	2.6
8	☐			3419.04	0.0014	P	3.4

$$y = 9.1251E-004 * x + 1.1745E-004$$

$$R = 1.0000$$

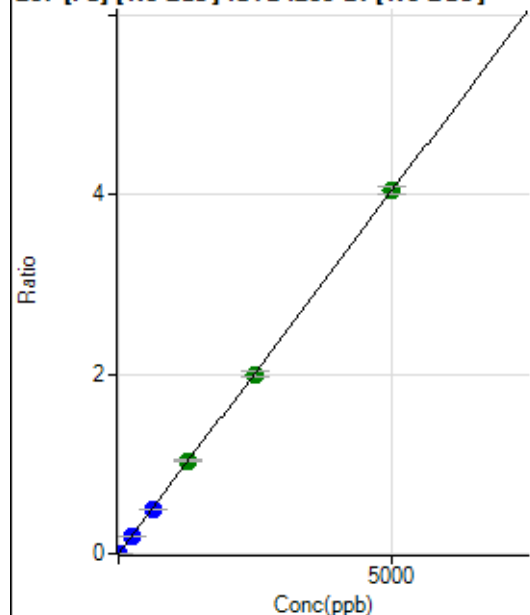
$$DL = 0.0587$$

$$BEC = 0.1287$$

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	314.82	0.0001	P	9.3
2	☐	1.000	0.913	2439.17	0.0008	P	3.1
3	☐	250.000	236.904	530905.42	0.1913	P	0.3
4	☐	625.000	608.729	1398009.60	0.4914	P	1.9
5	☐	1250.000	1283.444	2961170.18	1.0359	A	2.6
6	☐	2500.000	2477.814	5588845.96	1.9997	A	2.9
7	☐	5000.000	5005.421	11309039.60	4.0395	A	2.3
8	☐			3061.53	0.0012	P	3.1

$$y = 8.0701\text{E-}004 * x + 1.0852\text{E-}004$$

$$R = 0.9999$$

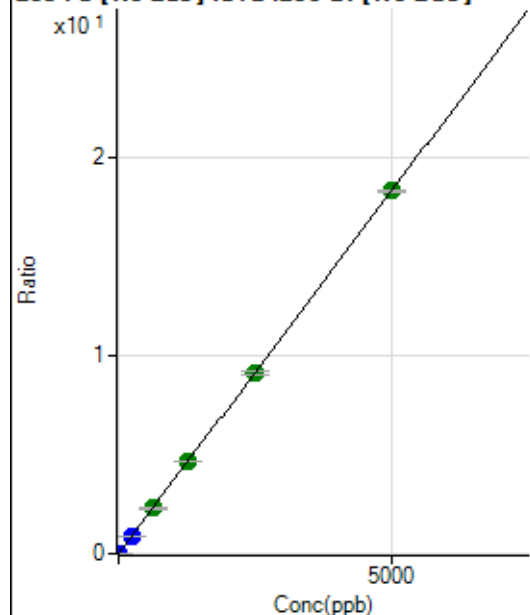
$$DL = 0.0377$$

$$BEC = 0.1345$$

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	1459.32	0.0005	P	7.3
2	☐	1.000	0.891	10859.39	0.0038	P	5.3
3	☐	250.000	238.096	2422335.89	0.8728	P	1.0
4	☐	625.000	628.750	6555534.28	2.3041	A	2.2
5	☐	1250.000	1265.639	13255557.04	4.6375	A	0.4
6	☐	2500.000	2490.920	25506616.25	9.1267	A	1.9
7	☐	5000.000	5000.757	51298582.05	18.3222	A	0.7
8	☐			13936.59	0.0055	P	3.9

$$y = 0.0037 * x + 5.0309\text{E-}004$$

$$R = 1.0000$$

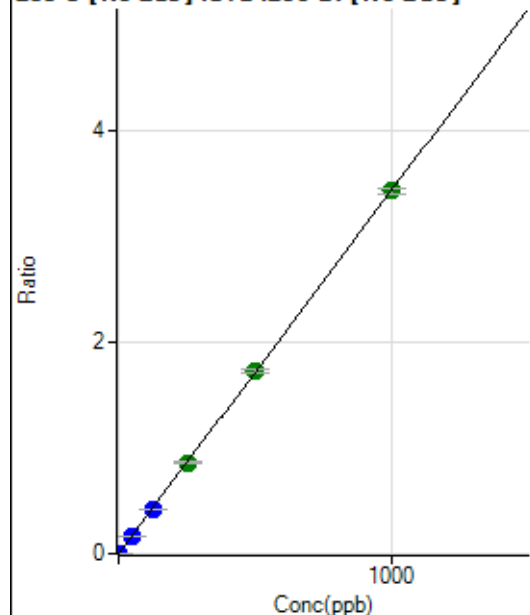
$$DL = 0.03002$$

$$BEC = 0.1373$$

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	38.89	0.0000	P	32.8
2	☐	1.000	0.867	8650.41	0.0030	P	1.5
3	☐	50.000	47.803	456200.78	0.1644	P	1.4
4	☐	125.000	122.006	1193460.48	0.4195	P	2.4
5	☐	250.000	249.942	2456975.75	0.8594	A	2.3
6	☐	500.000	503.292	4834851.71	1.7305	A	3.0
7	☐	1000.000	998.853	9615190.93	3.4344	A	1.4
8	☐			755.60	0.0003	P	31.5

$$y = 0.0034 * x + 1.3419E-005$$

$$R = 1.0000$$

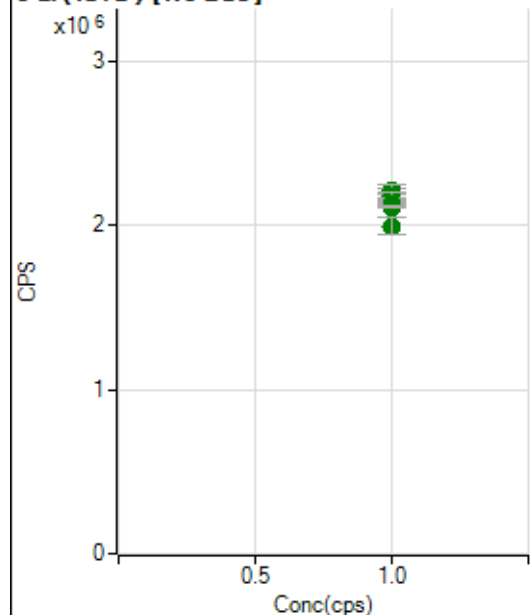
$$DL = 0.003835$$

$$BEC = 0.003903$$

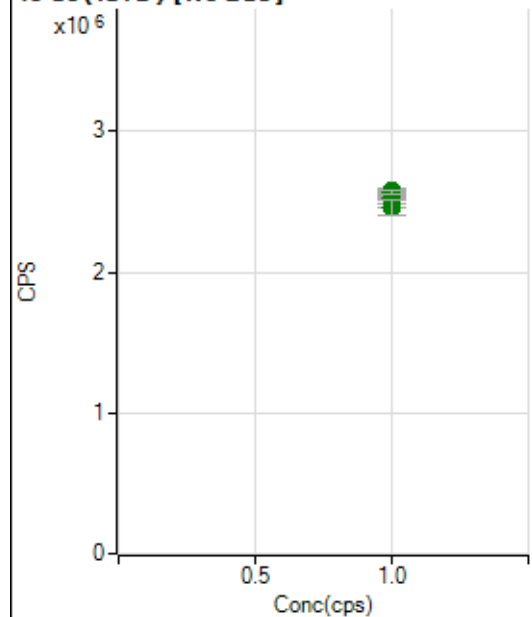
Weight: <None>

Min Conc: 0

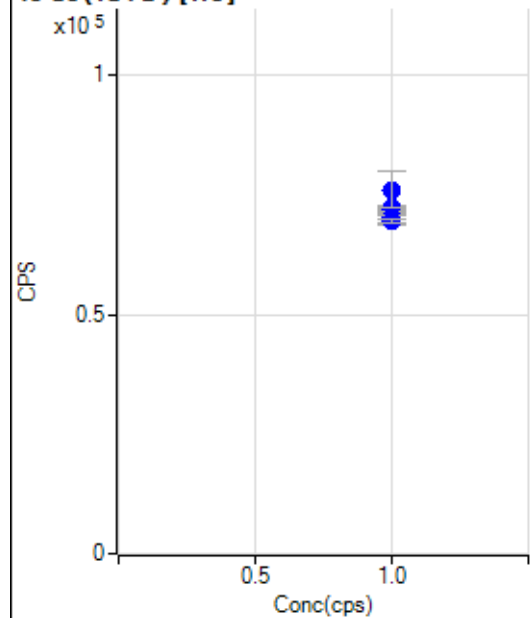
6 Li (ISTD) [No Gas]



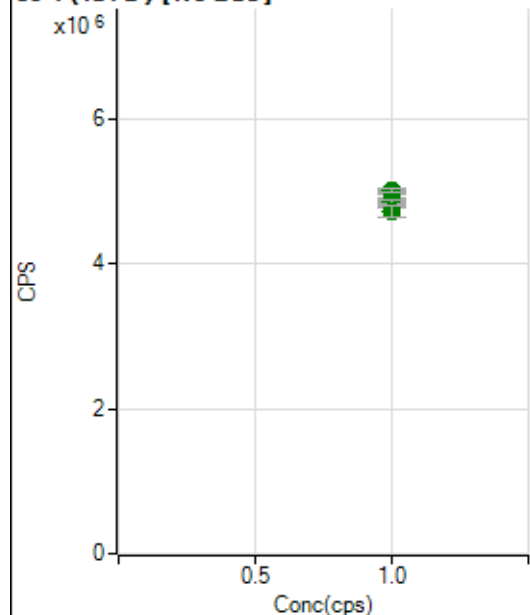
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		2208891.03		A	1.8
2	☐	1.000		2200777.28		A	4.0
3	☐	1.000		2181280.68		A	1.6
4	☐	1.000		2125211.28		A	1.8
5	☐	1.000		2134740.48		A	0.3
6	☐	1.000		2118700.76		A	0.5
7	☐	1.000		2111275.65		A	0.6
8	☐	1.000		1995714.70		A	4.9

45 Sc (ISTD) [No Gas]

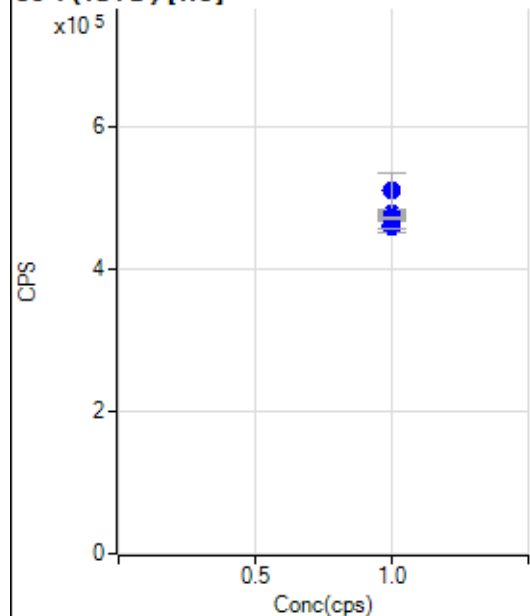
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2549835.62		A	0.8
2	☐	1.000		2509944.30		A	4.5
3	☐	1.000		2523361.47		A	0.5
4	☐	1.000		2525925.17		A	3.0
5	☐	1.000		2564960.34		A	1.0
6	☐	1.000		2578410.31		A	1.3
7	☐	1.000		2567594.20		A	0.7
8	☐	1.000		2462057.85		A	4.3

45 Sc (ISTD) [He]

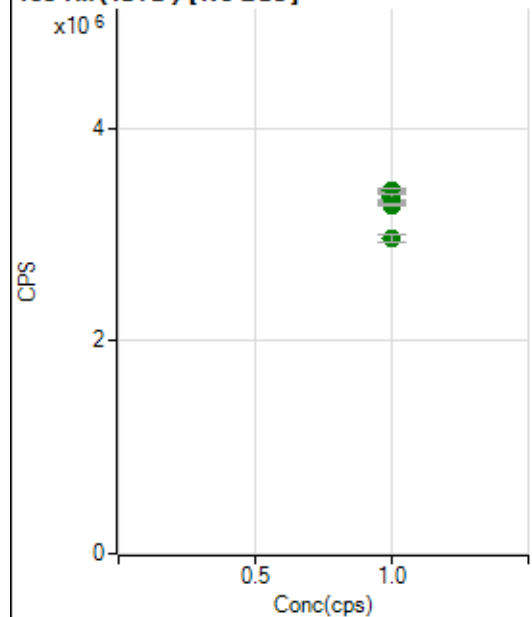
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		71779.42		P	0.5
2	☐	1.000		72445.12		P	0.7
3	☐	1.000		69896.11		P	3.7
4	☐	1.000		70306.96		P	1.3
5	☐	1.000		71842.23		P	1.0
6	☐	1.000		75807.68		P	10.9
7	☐	1.000		70324.71		P	1.4
8	☐	1.000		69631.22		P	1.1

89 Y (ISTD) [No Gas]

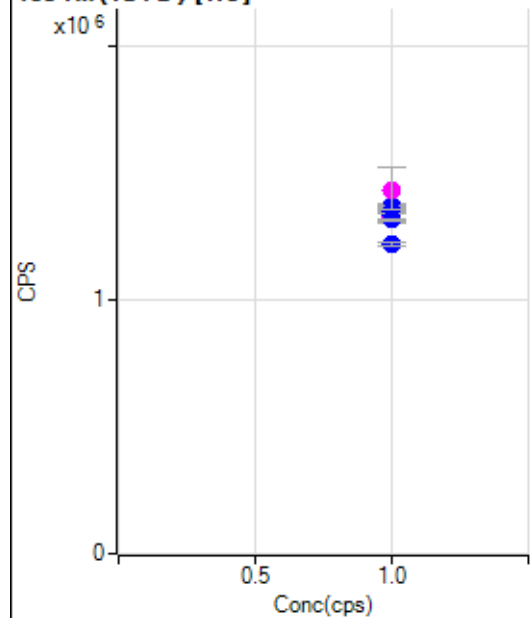
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4948046.45		A	2.2
2	☐	1.000		4875981.07		A	3.5
3	☐	1.000		4800724.96		A	0.8
4	☐	1.000		4842166.04		A	0.9
5	☐	1.000		4998982.77		A	2.1
6	☐	1.000		5002294.13		A	1.0
7	☐	1.000		4851102.22		A	1.0
8	☐	1.000		4720611.56		A	3.0

89 Y (ISTD) [He]

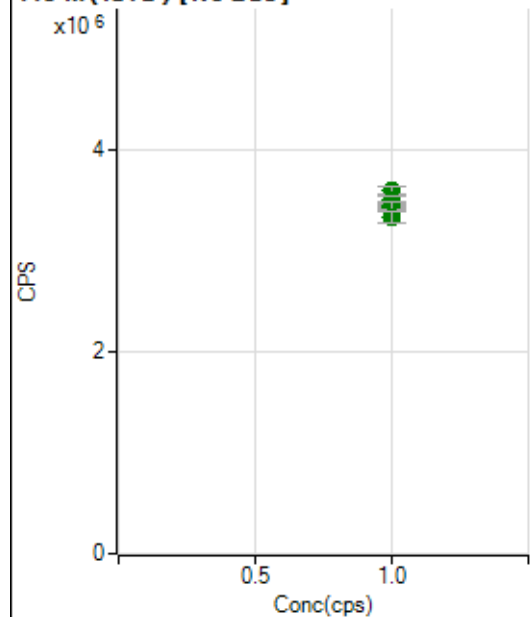
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		474426.98		P	0.8
2	☐	1.000		479346.06		P	0.3
3	☐	1.000		460196.70		P	3.5
4	☐	1.000		462122.60		P	2.3
5	☐	1.000		474171.04		P	0.8
6	☐	1.000		509610.14		P	9.7
7	☐	1.000		473281.84		P	0.5
8	☐	1.000		471018.53		P	1.0

103 Rh (ISTD) [No Gas]

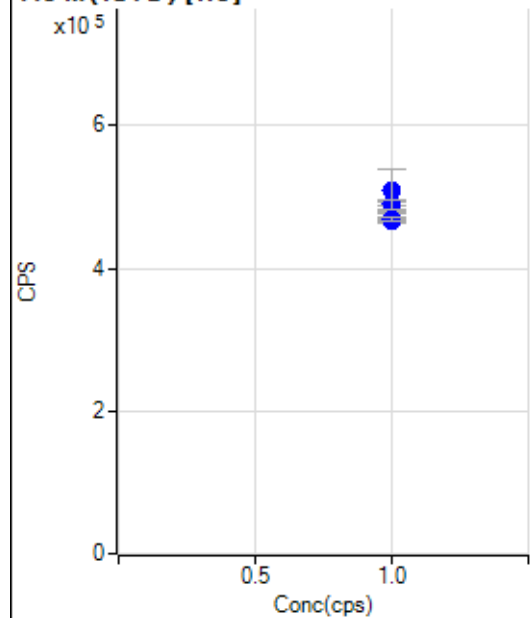
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3390605.11		A	1.1
2	☐	1.000		3352448.45		A	4.2
3	☐	1.000		3353081.74		A	1.3
4	☐	1.000		3303406.11		A	1.6
5	☐	1.000		3407834.89		A	1.0
6	☐	1.000		3339908.30		A	1.9
7	☐	1.000		3276865.31		A	0.6
8	☐	1.000		2957017.82		A	2.6

103 Rh (ISTD) [He]

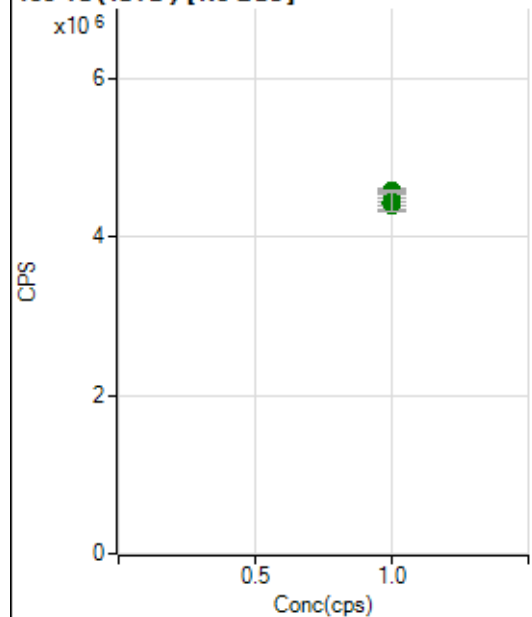
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1371828.57		P	1.0
2	☐	1.000		1365144.27		P	0.8
3	☐	1.000		1321045.59		M	3.1
4	☐	1.000		1329230.06		P	2.4
5	☐	1.000		1344696.37		P	1.1
6	☐	1.000		1427276.48		M	12.5
7	☐	1.000		1314054.73		P	0.4
8	☐	1.000		1216334.72		P	1.1

115 In (ISTD) [No Gas]

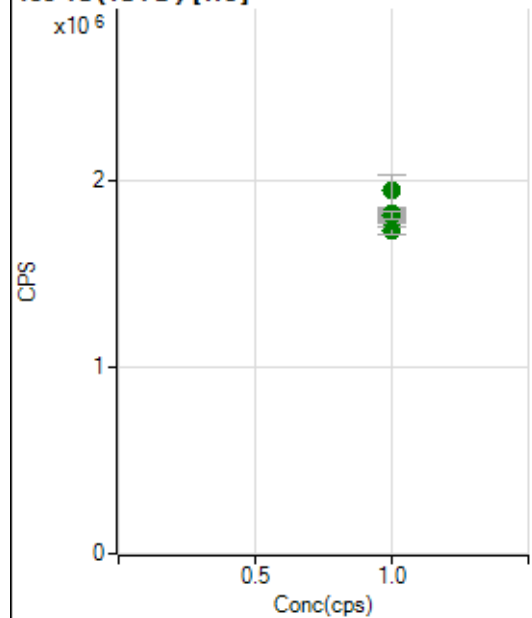
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3513238.99		A	2.4
2	☐	1.000		3498453.37		A	2.7
3	☐	1.000		3458633.51		A	0.9
4	☐	1.000		3437917.10		A	1.3
5	☐	1.000		3598270.09		A	2.3
6	☐	1.000		3503421.64		A	2.4
7	☐	1.000		3453620.01		A	2.3
8	☐	1.000		3338591.91		A	3.3

115 In (ISTD) [He]

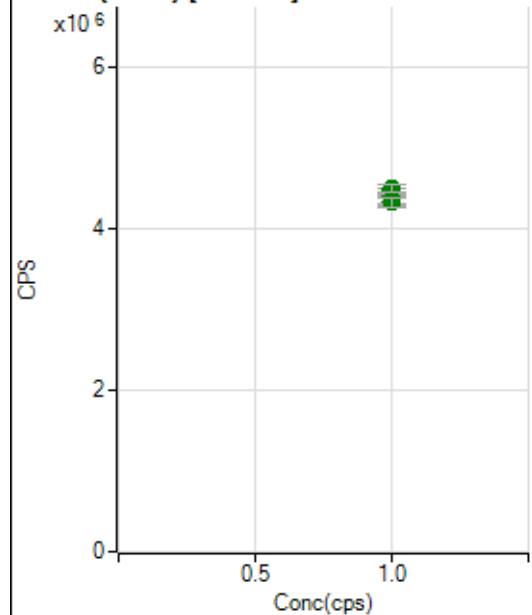
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		491746.99		P	1.2
2	☐	1.000		491871.97		P	1.2
3	☐	1.000		471539.58		P	2.2
4	☐	1.000		478882.17		P	1.2
5	☐	1.000		481817.18		P	0.3
6	☐	1.000		508744.99		P	12.0
7	☐	1.000		466597.43		P	0.7
8	☐	1.000		470017.11		P	1.0

159 Tb (ISTD) [No Gas]

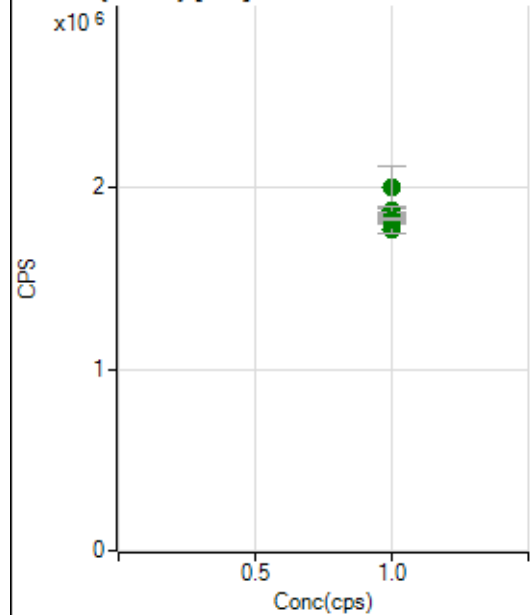
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4488958.09		A	1.7
2	☐	1.000		4447960.60		A	2.2
3	☐	1.000		4394336.81		A	2.2
4	☐	1.000		4420574.48		A	1.3
5	☐	1.000		4578550.59		A	0.5
6	☐	1.000		4575522.43		A	1.4
7	☐	1.000		4565591.95		A	1.4
8	☐	1.000		4440949.34		A	5.3

159 Tb (ISTD) [He]

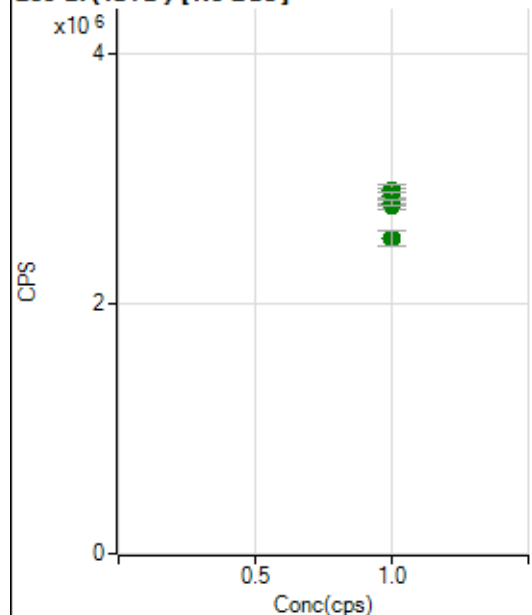
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1792412.52		A	2.5
2	☐	1.000		1789919.52		A	2.0
3	☐	1.000		1731724.26		A	2.7
4	☐	1.000		1783141.92		A	0.5
5	☐	1.000		1821492.09		A	3.0
6	☐	1.000		1946662.70		A	9.0
7	☐	1.000		1830974.90		A	0.3
8	☐	1.000		1819650.30		A	2.2

165 Ho (ISTD) [No Gas]

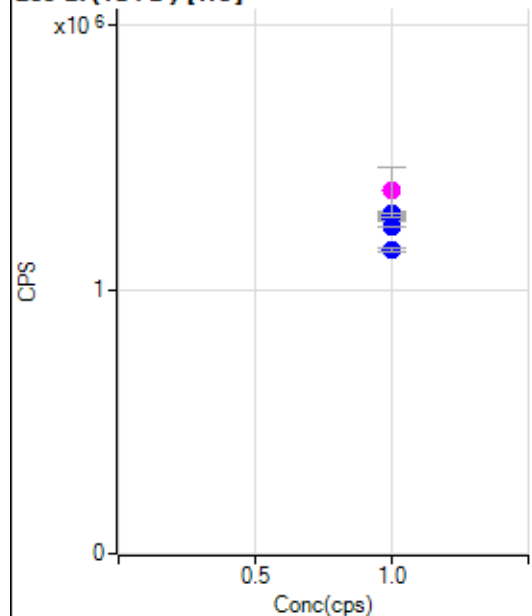
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4469498.32		A	1.4
2	☐	1.000		4405220.28		A	4.4
3	☐	1.000		4326707.04		A	3.2
4	☐	1.000		4347351.31		A	2.7
5	☐	1.000		4448413.86		A	0.4
6	☐	1.000		4409434.73		A	1.2
7	☐	1.000		4495568.94		A	2.1
8	☐	1.000		4325784.60		A	3.1

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1850407.40		A	0.9
2	☐	1.000		1852346.17		A	0.7
3	☐	1.000		1770487.44		A	3.1
4	☐	1.000		1825258.93		A	1.8
5	☐	1.000		1867544.18		A	1.4
6	☐	1.000		1996668.37		A	11.8
7	☐	1.000		1878472.87		A	1.2
8	☐	1.000		1824864.31		A	0.9

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2899431.94		A	0.9
2	☐	1.000		2886771.56		A	3.9
3	☐	1.000		2775412.88		A	1.9
4	☐	1.000		2846333.71		A	3.3
5	☐	1.000		2858210.34		A	1.6
6	☐	1.000		2795524.19		A	3.0
7	☐	1.000		2799966.45		A	1.6
8	☐	1.000		2514420.67		A	4.9

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1289894.41		P	0.6
2	☐	1.000		1274077.72		P	0.9
3	☐	1.000		1259654.28		P	3.1
4	☐	1.000		1269875.24		P	2.1
5	☐	1.000		1278094.51		P	1.2
6	☐	1.000		1373530.35		M	12.7
7	☐	1.000		1236189.93		P	0.3
8	☐	1.000		1148851.29		P	1.1