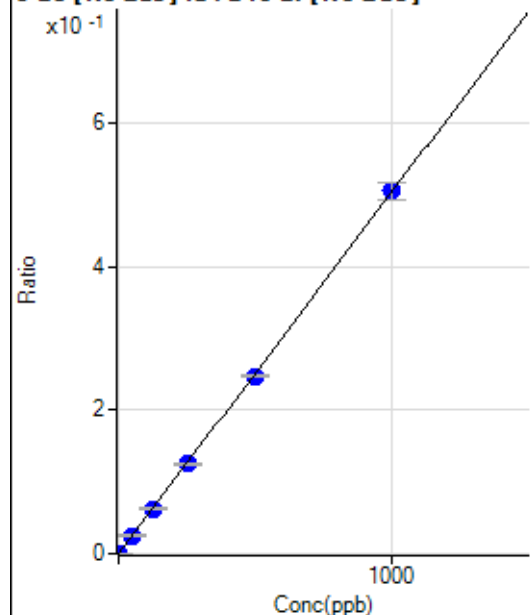


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8051621MS.b\
Analysis File: P8051621MS.batch.bin
DA Date-Time: 2021-05-17 05:55:59
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2021-05-16 12:41:12
2	005CALS.d	S01	2021-05-16 12:44:10
3	008CALS.d	S02	2021-05-16 12:53:09
4	009CALS.d	S03	2021-05-16 12:56:07
5	010CALS.d	S04	2021-05-16 12:59:08
6	011CALS.d	S05	2021-05-16 13:02:06
7	012CALS.d	S06	2021-05-16 13:05:06
8	013CALS.d	S07	2021-05-16 13:08:05
9	014CALS.d	S08	2021-05-16 13:11:05

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	24.00	0.0000	P	0.3
2	☐	0.100	0.085	69.32	0.0001	P	4.6
3	☐	1.000	1.037	575.90	0.0005	P	2.2
4	☐	50.000	50.319	26724.19	0.0253	P	1.1
5	☐	125.000	124.209	68418.55	0.0625	P	2.2
6	☐	250.000	249.362	134494.02	0.1255	P	2.5
7	☐	500.000	491.059	273962.24	0.2471	P	1.3
8	☐	1000.000	1004.713	533837.66	0.5055	P	4.7
9	☐			231.96	0.0002	P	8.1

$$y = 5.0313\text{E-}004 * x + 2.2812\text{E-}005$$

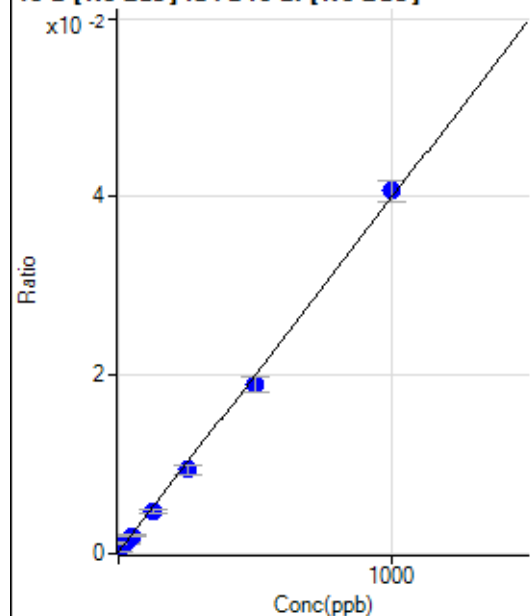
$$R = 0.9999$$

$$DL = 0.0003916$$

$$BEC = 0.04534$$

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	213.29	0.0002	P	5.5
2	☐	2.500	1.733	287.95	0.0003	P	5.7
3	☐	25.000	25.217	1273.14	0.0012	P	6.9
4	☐	50.000	46.416	2158.41	0.0020	P	6.2
5	☐	125.000	115.232	5229.25	0.0048	P	7.7
6	☐	250.000	232.531	10108.16	0.0094	P	10.4
7	☐	500.000	472.929	21054.28	0.0190	P	9.2
8	☐	1000.000	1019.300	43049.01	0.0407	P	5.7
9	☐			5281.92	0.0048	P	7.2

$$y = 3.9711\text{E-}005 * x + 2.0276\text{E-}004$$

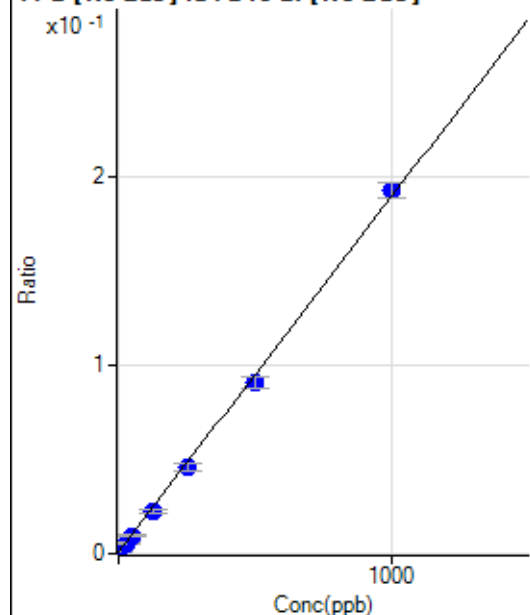
$$R = 0.9993$$

$$DL = 0.8353$$

$$BEC = 5.106$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	966.51	0.0009	P	2.6
2	☐	2.500	2.023	1373.80	0.0013	P	7.6
3	☐	25.000	24.292	5818.02	0.0055	P	7.5
4	☐	50.000	46.508	10218.21	0.0097	P	5.8
5	☐	125.000	114.333	24591.74	0.0225	P	10.2
6	☐	250.000	236.591	48770.34	0.0455	P	9.0
7	☐	500.000	476.883	100728.58	0.0908	P	7.7
8	☐	1000.000	1016.438	203743.52	0.1925	P	4.3
9	☐			25294.09	0.0230	P	6.9

$$y = 1.8853\text{E-}004 * x + 9.1871\text{E-}004$$

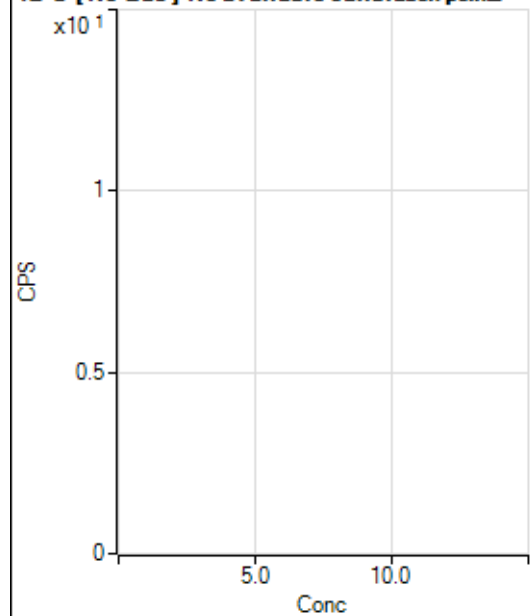
$$R = 0.9995$$

$$DL = 0.3748$$

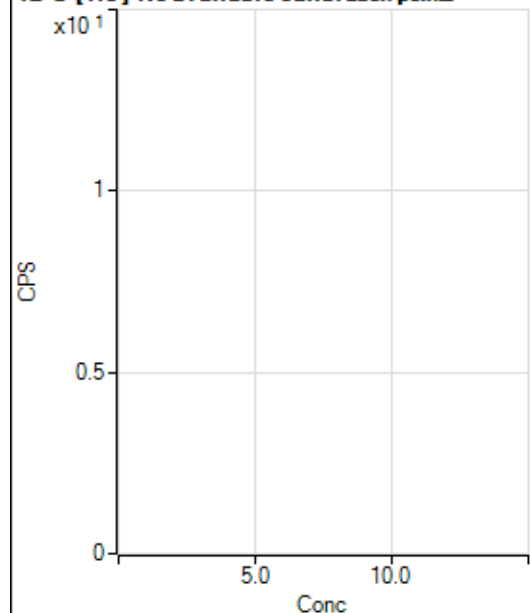
$$BEC = 4.873$$

Weight: <None>

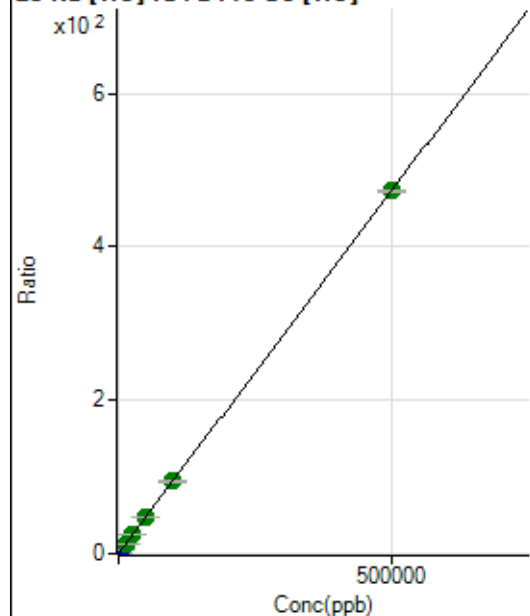
Min Conc: 0

12 C [No Gas] No available calibration points

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			5221076.20		A	4.0
2	☐			4466144.67		A	4.0
3	☐			4451660.26		A	3.1
4	☐			2396274.45		A	1.3
5	☐			2722426.45		A	1.8
6	☐			2600531.57		A	2.4
7	☐			2545202.23		A	1.0
8	☐			2761107.68		A	3.7
9	☐			3502303.12		A	1.9

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			63900.44		P	0.4
2	☐			53556.47		P	1.3
3	☐			54415.32		P	1.2
4	☐			29577.56		P	2.5
5	☐			33449.71		P	1.9
6	☐			32539.32		P	2.1
7	☐			31587.35		P	0.9
8	☐			35084.03		P	3.3
9	☐			44638.04		P	3.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	19040.56	0.1538	P	2.9
2	☐	50.000	54.034	24635.21	0.2049	P	1.5
3	☐	500.000	502.158	78235.10	0.6286	P	1.2
4	☐	5000.000	5108.447	625509.95	4.9838	P	1.3
5	☐	12500.000	12939.066	1531690.81	12.3877	A	1.9
6	☐	25000.000	25567.744	3010636.05	24.3280	A	2.5
7	☐	50000.000	49573.190	6016390.37	47.0251	A	1.6
8	☐	100000.00	99795.202	11955056.86	94.5099	A	3.4
9	☐	500000.00	500043.19	60683308.30	472.9432	A	0.5

$$y = 9.4550E-004 * x + 0.1538$$

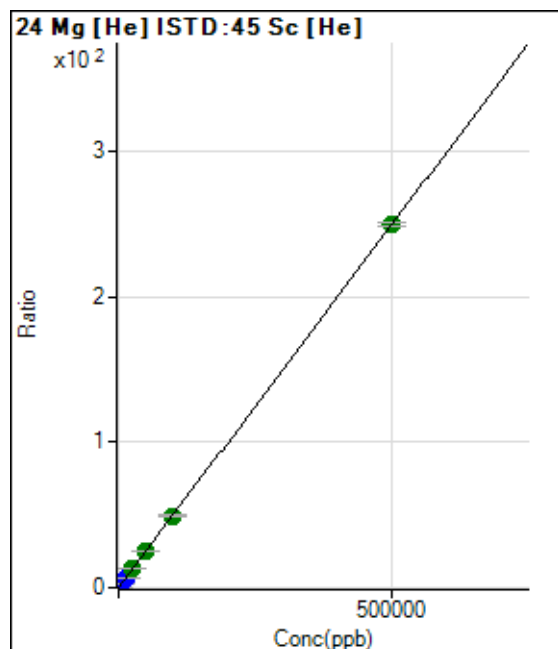
$$R = 1.0000$$

$$DL = 14$$

$$BEC = 162.7$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	616.70	0.0050	P	18.6
2	☐	50.000	49.978	3594.97	0.0299	P	1.8
3	☐	500.000	499.426	31615.36	0.2540	P	2.4
4	☐	5000.000	5060.663	317317.02	2.5282	P	1.4
5	☐	12500.000	12778.408	788425.43	6.3763	P	0.9
6	☐	25000.000	26064.667	1608491.31	13.0009	A	5.0
7	☐	50000.000	50053.596	3193794.21	24.9618	A	0.7
8	☐	100000.00	99058.216	6249193.24	49.3955	A	2.5
9	☐	500000.00	500122.19	31997463.91	249.3664	A	0.9

$$y = 4.9860E-004 * x + 0.0050$$

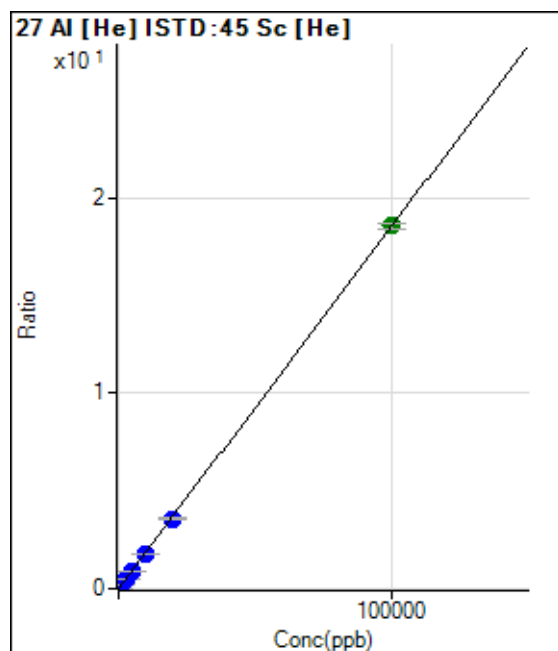
$$R = 1.0000$$

$$DL = 5.573$$

$$BEC = 9.992$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	382.46	0.0031	P	3.3
2	☐	2.000	2.590	429.12	0.0036	P	4.8
3	☐	20.000	20.994	868.67	0.0070	P	2.3
4	☐	1000.000	983.742	23265.20	0.1854	P	1.0
5	☐	2500.000	2587.951	59679.66	0.4826	P	0.3
6	☐	5000.000	4945.903	113817.13	0.9196	P	1.2
7	☐	10000.000	9548.509	226764.71	1.7725	P	1.5
8	☐	20000.000	19357.243	454209.98	3.5901	P	2.3
9	☐	100000.00	100174.36	2381943.28	18.5659	A	1.3

$$y = 1.8530E-004 * x + 0.0031$$

$$R = 1.0000$$

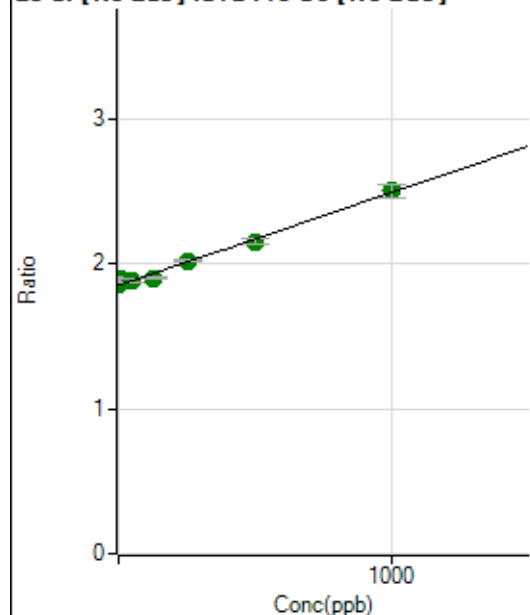
$$DL = 1.629$$

$$BEC = 16.67$$

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	5112319.56	1.8512	A	1.1
2	☐	10.000	24.254	5131096.64	1.8668	A	1.8
3	☐	10.000	64.648	5163494.43	1.8926	A	1.1
4	☐	50.000	51.172	5121546.60	1.8840	A	1.4
5	☐	125.000	76.214	5320734.19	1.9000	A	0.7
6	☐	250.000	259.737	5566699.43	2.0176	A	0.5
7	☐	500.000	473.447	6152901.44	2.1545	A	1.7
8	☐	1000.000	1016.193	6817683.14	2.5022	A	3.5
9	☐			5824697.92	2.0226	A	0.4

$$y = 6.4059\text{E-}004 * x + 1.8512$$

$$R = 0.9962$$

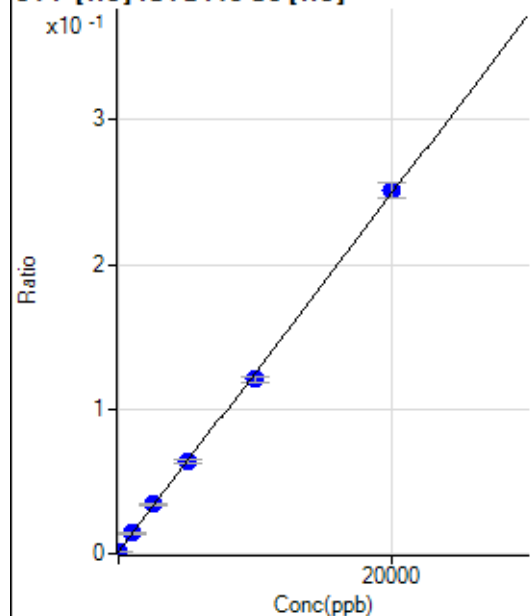
$$DL = 92.58$$

$$BEC = 2890$$

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	-14.379	161.12	0.0013	P	25.4
2	☐	0.000	11.057	194.45	0.0016	P	19.7
3	☐	0.000	3.322	188.90	0.0015	P	31.7
4	☐	1000.000	1018.205	1766.82	0.0141	P	8.4
5	☐	2500.000	2627.397	4203.52	0.0340	P	3.6
6	☐	5000.000	5045.354	7910.71	0.0639	P	2.7
7	☐	10000.000	9618.628	15422.49	0.1205	P	2.5
8	☐	20000.000	20162.513	31743.71	0.2510	P	4.4
9	☐			186.12	0.0015	P	7.8

$$y = 1.2375\text{E-}005 * x + 0.0015$$

$$R = 0.9997$$

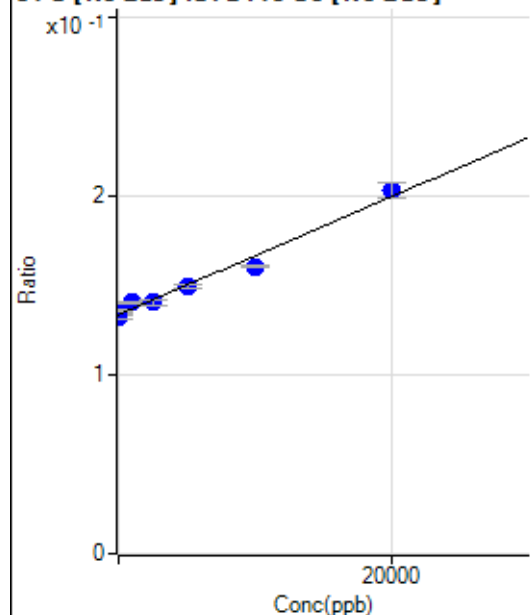
$$DL = 91.43$$

$$BEC = 119.5$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-532.776	364301.19	0.1319	P	1.9
2	☐	0.000	-172.207	365847.30	0.1331	P	2.6
3	☐	0.000	704.983	371069.32	0.1360	P	0.8
4	☐	1000.000	2044.322	381733.48	0.1404	P	1.2
5	☐	2500.000	2029.632	393049.20	0.1404	P	1.9
6	☐	5000.000	4848.769	412903.09	0.1497	P	1.1
7	☐	10000.000	8164.037	458612.22	0.1606	P	1.0
8	☐	20000.000	20962.369	552313.57	0.2028	P	4.1
9	☐			348699.41	0.1211	P	1.7

$$y = 3.2958E-006 * x + 0.1337$$

$$R = 0.9910$$

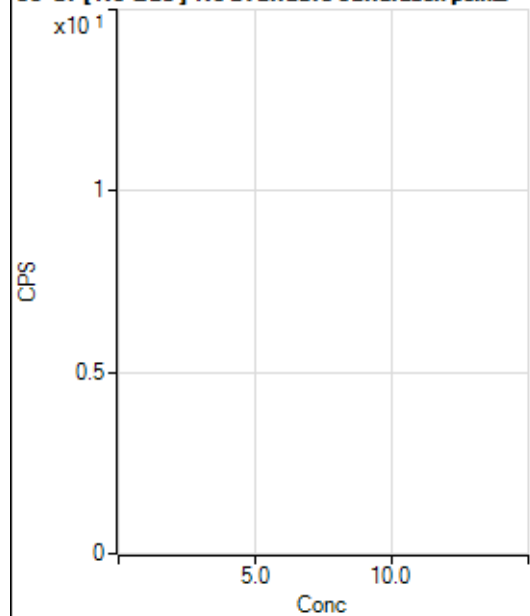
$$DL = 2134$$

$$BEC = 4.056E+04$$

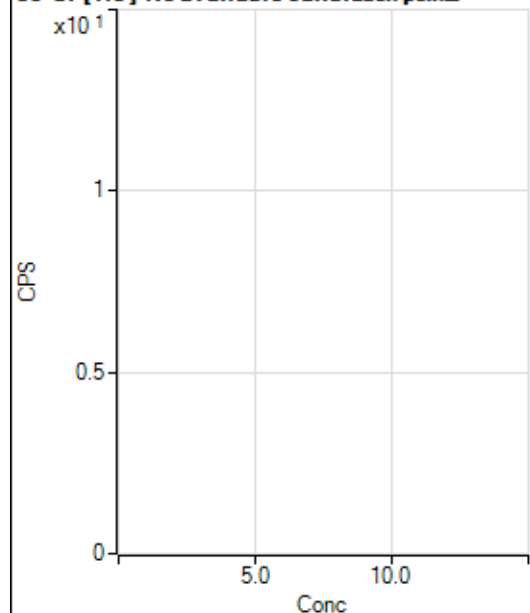
Weight: <None>

Min Conc: 0

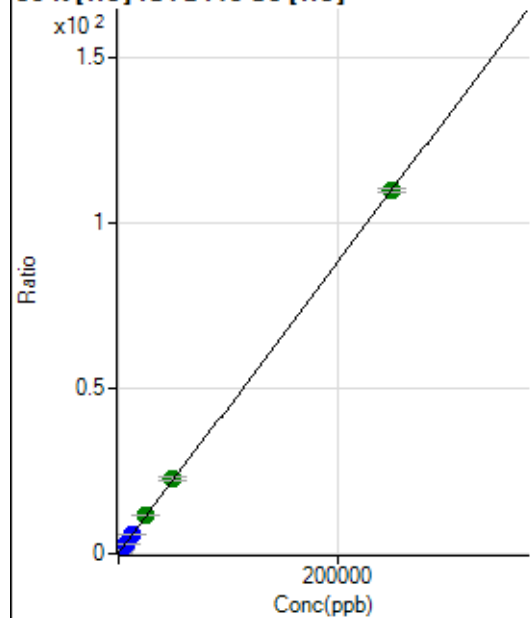
35 Cl [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			293800.95		P	0.8
2	☐			288649.08		P	2.1
3	☐			278321.00		P	1.7
4	☐			301903.22		P	0.6
5	☐			289114.83		P	1.3
6	☐			287701.29		P	1.0
7	☐			301376.54		P	0.2
8	☐			298295.77		P	0.8
9	☐			286204.05		P	0.5

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3553.33		P	5.6
2	☐			3294.92		P	7.3
3	☐			3408.82		P	9.2
4	☐			3389.37		P	1.2
5	☐			3256.01		P	2.8
6	☐			3267.12		P	5.1
7	☐			3461.61		P	1.8
8	☐			3422.72		P	4.0
9	☐			3394.95		P	2.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	27649.33	0.2233	P	2.1
2	☐	50.000	61.635	30098.83	0.2504	P	1.7
3	☐	500.000	512.728	55764.05	0.4481	P	2.4
4	☐	2500.000	2508.284	166001.90	1.3227	P	0.7
5	☐	6250.000	6327.411	370528.65	2.9966	P	0.7
6	☐	12500.000	13082.131	737257.05	5.9571	P	1.7
7	☐	25000.000	25683.964	1468717.88	11.4803	A	1.8
8	☐	50000.000	51155.089	2864683.38	22.6440	A	3.0
9	☐	250000.00	249669.43	14070328.27	109.6503	A	1.0

$$y = 4.3829E-004 * x + 0.2233$$

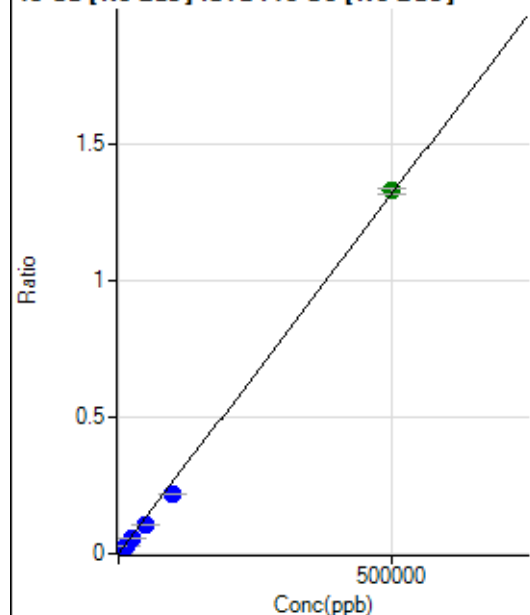
$$R = 1.0000$$

$$DL = 32.31$$

$$BEC = 509.6$$

Weight: <None>

Min Conc: 0

43 Ca [No Gas] ISTD:45 Sc [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	191.11	0.0001	P	7.6
2	☐	50.000	46.965	529.98	0.0002	P	4.8
3	☐	500.000	499.186	3773.54	0.0014	P	2.5
4	☐	5000.000	4146.724	29857.11	0.0110	P	3.3
5	☐	12500.000	10242.633	75696.95	0.0270	P	1.1
6	☐	25000.000	20576.591	149631.65	0.0542	P	1.6
7	☐	50000.000	40137.213	301930.24	0.1057	P	2.8
8	☐	100000.00	83224.153	597254.92	0.2191	P	2.3
9	☐	500000.00	504627.58	3825604.78	1.3284	A	1.3

$$y = 2.6323\text{E-}006 * x + 6.9183\text{E-}005$$

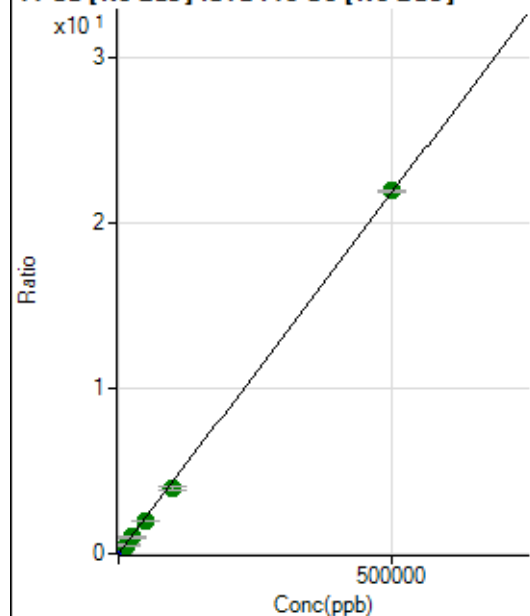
$$R = 0.9993$$

$$DL = 5.992$$

$$BEC = 26.28$$

Weight: <None>

Min Conc: 0

44 Ca [No Gas] ISTD:45 Sc [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	38179.56	0.0138	P	1.5
2	☐	50.000	44.541	43347.14	0.0158	P	1.7
3	☐	500.000	492.218	96340.21	0.0353	P	1.3
4	☐	5000.000	4462.774	567137.00	0.2086	P	2.2
5	☐	12500.000	11645.689	1462323.68	0.5222	A	1.2
6	☐	25000.000	22612.781	2761625.07	1.0010	A	3.5
7	☐	50000.000	44387.670	5573193.82	1.9515	A	2.3
8	☐	100000.00	90653.724	10818743.36	3.9712	A	4.2
9	☐	500000.00	502576.58	63220769.63	21.9530	A	0.6

$$y = 4.3653\text{E-}005 * x + 0.0138$$

$$R = 0.9998$$

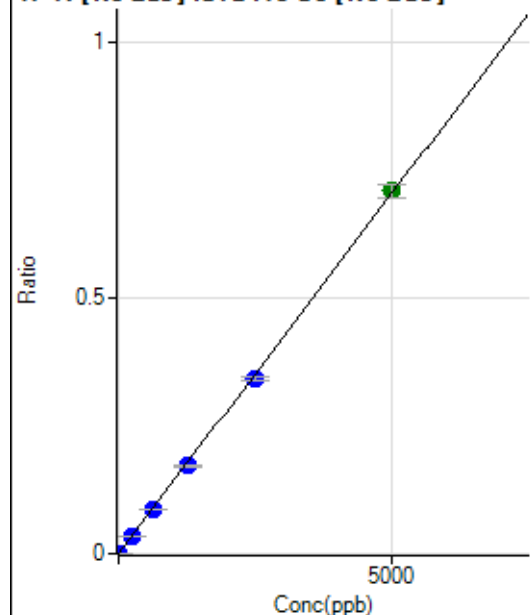
$$DL = 14.24$$

$$BEC = 316.7$$

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	211.12	0.0001	P	21.4
2	☐	0.500	0.603	444.46	0.0002	P	7.4
3	☐	5.000	5.028	2141.88	0.0008	P	5.5
4	☐	250.000	244.148	93706.49	0.0345	P	4.5
5	☐	625.000	610.388	241082.83	0.0861	P	0.4
6	☐	1250.000	1225.258	476562.89	0.1727	P	1.7
7	☐	2500.000	2432.502	979163.50	0.3428	P	1.2
8	☐	5000.000	5042.054	1935924.91	0.7106	A	3.4
9	☐			1047.29	0.0004	P	3.7

$$y = 1.4091\text{E-}004 * x + 7.6562\text{E-}005$$

$$R = 0.9999$$

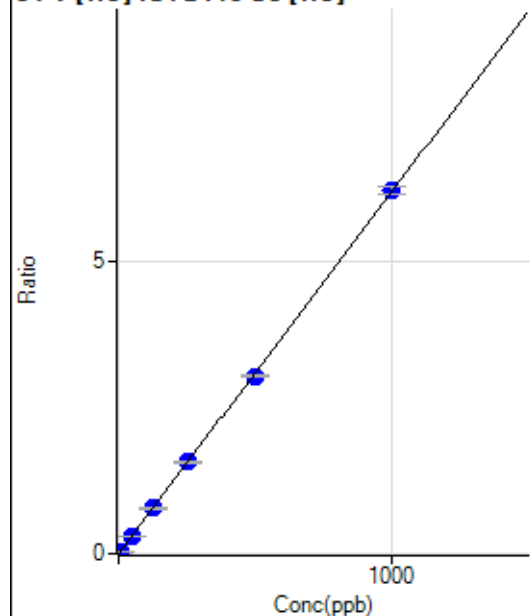
$$DL = 0.3493$$

$$BEC = 0.5433$$

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	17.78	0.0001	P	43.5
2	☐	0.500	0.531	412.23	0.0034	P	2.0
3	☐	5.000	5.167	3995.05	0.0321	P	2.1
4	☐	50.000	49.881	38727.89	0.3086	P	0.7
5	☐	125.000	125.209	95755.47	0.7744	P	0.7
6	☐	250.000	253.936	194360.92	1.5704	P	1.5
7	☐	500.000	491.012	388498.08	3.0364	P	0.8
8	☐	1000.000	1003.489	785120.68	6.2054	P	2.1
9	☐			375.57	0.0029	P	7.3

$$y = 0.0062 * x + 1.4367\text{E-}004$$

$$R = 0.9999$$

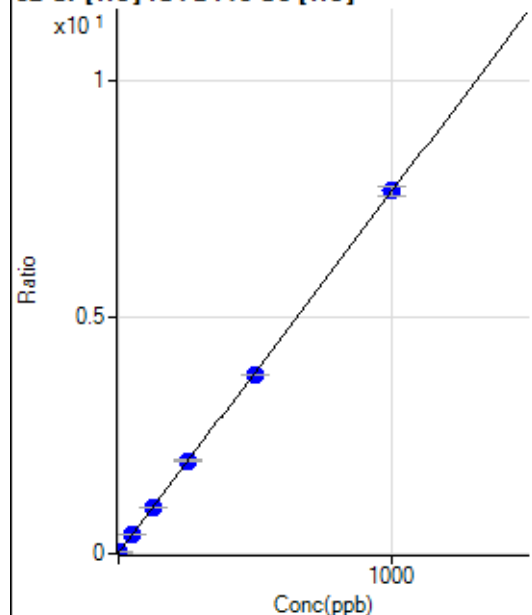
$$DL = 0.03034$$

$$BEC = 0.02323$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2032.42	0.0164	P	4.2
2	☐	0.200	0.204	2161.23	0.0180	P	3.4
3	☐	2.000	1.982	3926.81	0.0316	P	5.1
4	☐	50.000	49.761	49757.66	0.3965	P	1.3
5	☐	125.000	125.095	120171.06	0.9719	P	0.7
6	☐	250.000	255.754	243782.49	1.9698	P	2.2
7	☐	500.000	492.791	483677.49	3.7803	P	0.5
8	☐	1000.000	1002.166	970384.77	7.6708	P	2.9
9	☐			8271.94	0.0645	P	3.3

$$y = 0.0076 * x + 0.0164$$

$$R = 0.9999$$

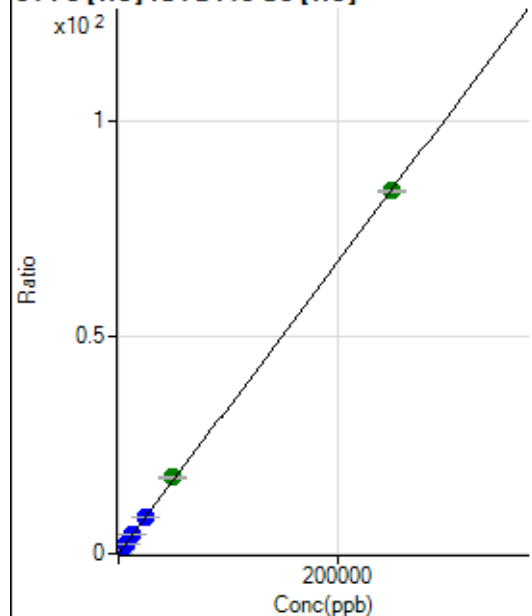
$$DL = 0.2696$$

$$BEC = 2.15$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	672.25	0.0054	P	5.9
2	☐	5.000	3.278	785.22	0.0065	P	3.3
3	☐	50.000	51.719	2837.36	0.0228	P	4.3
4	☐	2500.000	2515.278	106697.85	0.8501	P	1.0
5	☐	6250.000	6386.741	265875.31	2.1503	P	1.1
6	☐	12500.000	12792.660	532354.80	4.3015	P	2.1
7	☐	25000.000	24866.479	1069130.93	8.3562	P	0.9
8	☐	50000.000	52337.658	2224540.75	17.5817	A	2.2
9	☐	250000.00	249527.61	10752471.42	83.8031	A	0.6

$$y = 3.3583E-004 * x + 0.0054$$

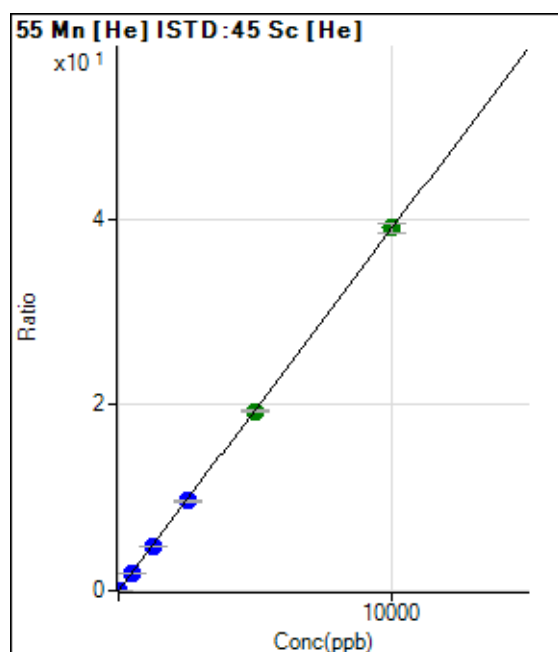
$$R = 1.0000$$

$$DL = 2.868$$

$$BEC = 16.17$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91.11	0.0007	P	5.4
2	☒	0.100					
3	☐	1.000	1.040	595.58	0.0048	P	14.8
4	☐	500.000	487.575	238336.43	1.8990	P	1.0
5	☐	1250.000	1220.435	587589.11	4.7522	P	1.6
6	☐	2500.000	2474.887	1192470.79	9.6360	P	2.5
7	☐	5000.000	4958.432	2469862.13	19.3050	A	1.5
8	☐	10000.000	10031.379	4940988.12	39.0551	A	2.5
9	☐			4071.74	0.0317	P	0.2

$$y = 0.0039 * x + 7.3596E-004$$

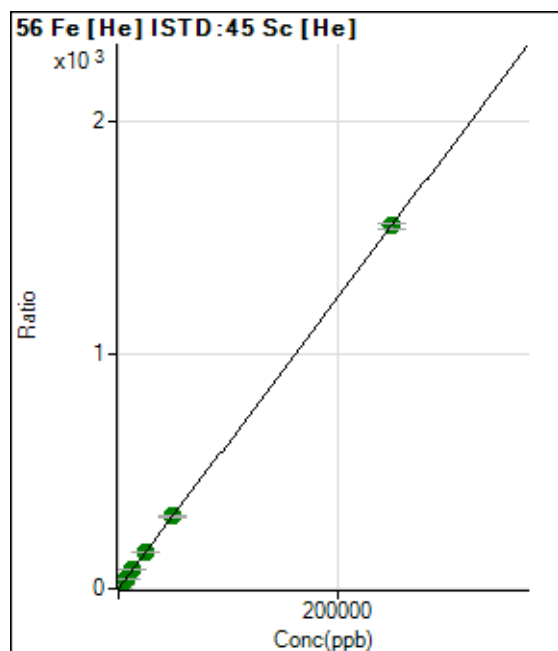
$$R = 1.0000$$

$$DL = 0.03068$$

$$BEC = 0.189$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4195.12	0.0339	P	2.3
2	☐	5.000	4.233	7233.49	0.0602	P	2.9
3	☐	50.000	49.951	42803.18	0.3439	P	1.3
4	☐	2500.000	2595.905	2026300.28	16.1455	A	0.1
5	☐	6250.000	6364.183	4888336.28	39.5334	A	0.4
6	☐	12500.000	12881.531	9899050.57	79.9836	A	1.6
7	☐	25000.000	25052.945	19897208.08	155.5260	A	1.7
8	☐	50000.000	49909.699	39196474.03	309.8004	A	2.4
9	☐	250000.00	249989.87	199102445.1	1,551.606	A	1.3

$$y = 0.0062 * x + 0.0339$$

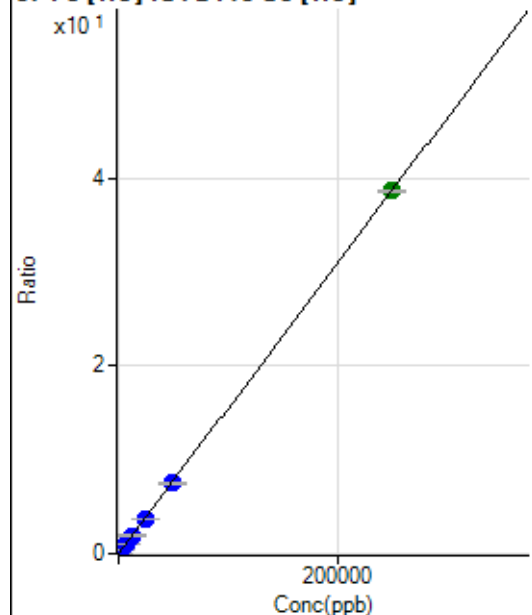
$$R = 1.0000$$

$$DL = 0.3822$$

$$BEC = 5.46$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	151.85	0.0012	P	2.3
2	☒	5.000					
3	☐	50.000	49.776	1109.32	0.0089	P	8.2
4	☐	2500.000	2473.227	48103.40	0.3833	P	1.5
5	☐	6250.000	6172.720	118053.80	0.9547	P	1.1
6	☐	12500.000	12538.160	239847.21	1.9380	P	2.0
7	☐	25000.000	24255.594	479539.19	3.7480	P	0.9
8	☐	50000.000	48949.365	956763.63	7.5625	P	2.5
9	☐	250000.00	250284.85	4960643.63	38.6632	A	0.6

$$y = 1.5447\text{E-}004 * x + 0.0012$$

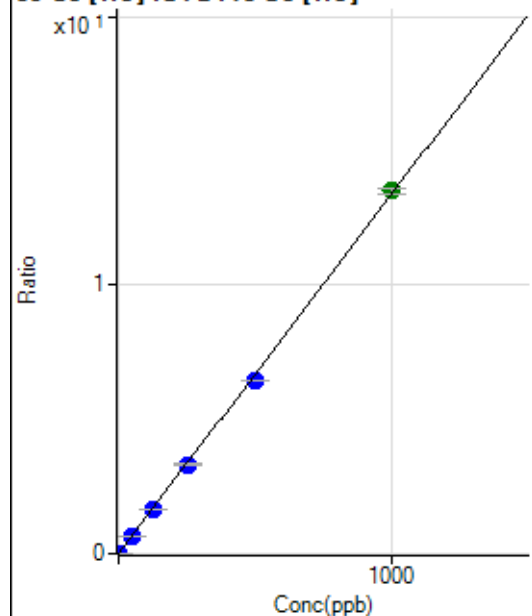
$$R = 1.0000$$

$$DL = 0.5473$$

$$BEC = 7.941$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	71.11	0.0006	P	39.1
2	☐	0.100	0.110	245.56	0.0020	P	3.0
3	☐	1.000	1.011	1754.57	0.0141	P	5.6
4	☐	50.000	48.898	82172.06	0.6548	P	1.1
5	☐	125.000	123.232	203930.48	1.6492	P	0.8
6	☐	250.000	248.226	411085.07	3.3215	P	1.4
7	☐	500.000	482.378	825815.40	6.4541	P	0.6
8	☐	1000.000	1009.531	1709132.89	13.5066	A	1.3
9	☐			2782.52	0.0217	P	3.3

$$y = 0.0134 * x + 5.7454\text{E-}004$$

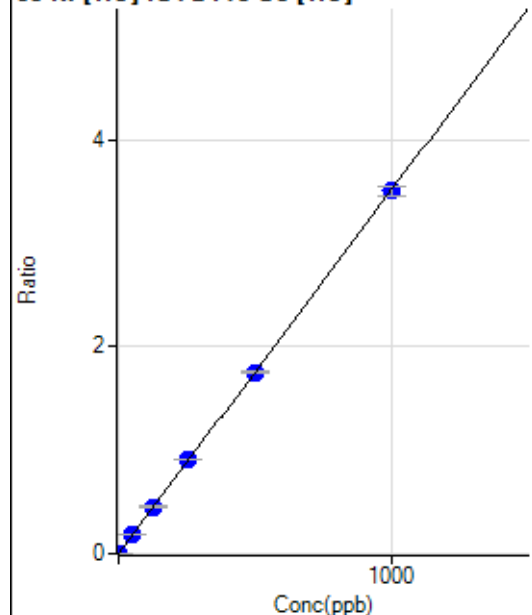
$$R = 0.9998$$

$$DL = 0.05039$$

$$BEC = 0.04294$$

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	60.00	0.0005	P	0.2
2	☐	0.100	0.120	108.89	0.0009	P	10.4
3	☐	1.000	1.116	547.80	0.0044	P	7.0
4	☐	50.000	51.157	22600.24	0.1801	P	0.7
5	☐	125.000	128.484	55830.24	0.4515	P	2.0
6	☐	250.000	258.813	112505.50	0.9091	P	1.8
7	☐	500.000	499.481	224408.42	1.7539	P	0.8
8	☐	1000.000	997.563	443121.63	3.5025	P	2.7
9	☐			1699.01	0.0132	P	4.5

$$y = 0.0035 * x + 4.8468E-004$$

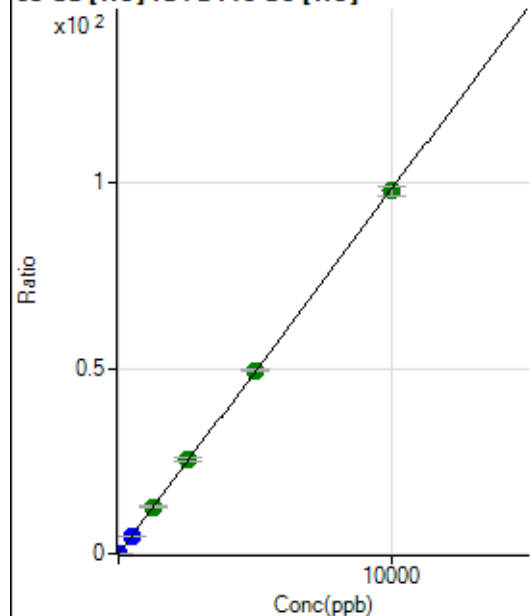
$$R = 1.0000$$

$$DL = 0.0007937$$

$$BEC = 0.1381$$

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	244.45	0.0020	P	2.0
2	☐	0.200	0.207	482.23	0.0040	P	7.9
3	☐	2.000	1.955	2638.04	0.0212	P	7.0
4	☐	500.000	497.337	614000.81	4.8924	P	1.2
5	☐	1250.000	1288.311	1566557.86	12.6701	A	2.5
6	☐	2500.000	2582.330	3142609.68	25.3944	A	2.5
7	☐	5000.000	5033.236	6332642.96	49.4944	A	0.7
8	☐	10000.000	9958.143	12388359.96	97.9217	A	2.6
9	☐			10683.00	0.0833	P	1.0

$$y = 0.0098 * x + 0.0020$$

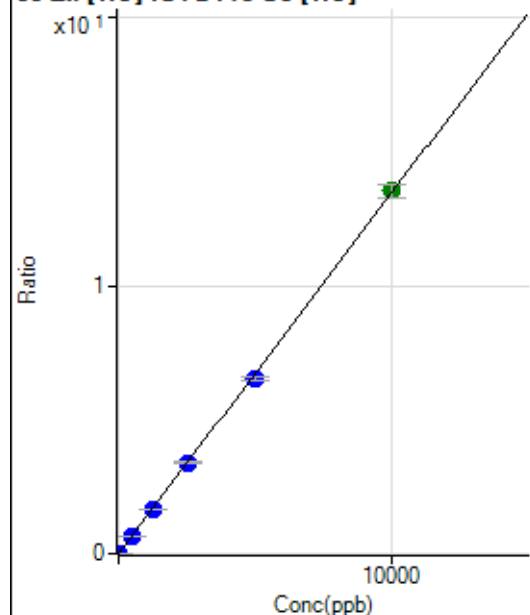
$$R = 0.9999$$

$$DL = 0.01199$$

$$BEC = 0.2008$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	330.01	0.0027	P	12.8
2	☒	0.200					
3	☐	2.000	1.609	601.13	0.0048	P	7.6
4	☐	500.000	501.299	84979.56	0.6771	P	0.2
5	☐	1250.000	1242.735	207068.36	1.6747	P	1.1
6	☐	2500.000	2512.659	418708.61	3.3832	P	1.9
7	☐	5000.000	4865.584	837829.88	6.5489	P	1.8
8	☐	10000.000	10064.886	1713557.84	13.5441	A	3.4
9	☐			4646.37	0.0362	P	3.1

$$y = 0.0013 * x + 0.0027$$

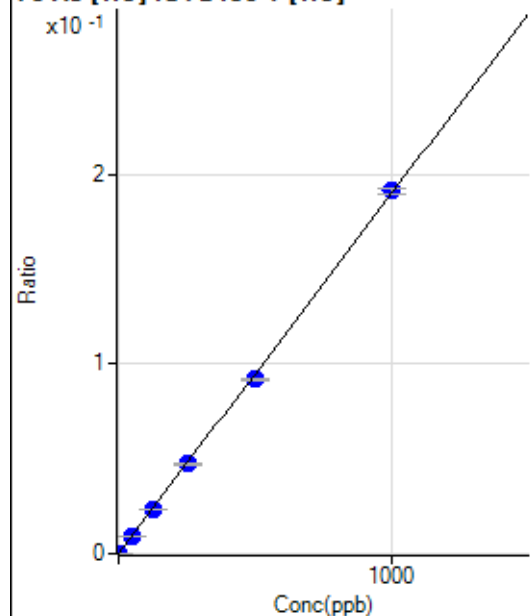
$$R = 0.9999$$

$$DL = 0.7635$$

$$BEC = 1.982$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.71	0.0000	P	30.7
2	☐	0.100	0.125	30.23	0.0000	P	19.7
3	☐	1.000	0.964	165.45	0.0002	P	3.5
4	☐	50.000	48.643	7937.00	0.0093	P	1.3
5	☐	125.000	122.512	19578.43	0.0233	P	1.5
6	☐	250.000	248.388	39809.95	0.0472	P	1.8
7	☐	500.000	485.726	80326.25	0.0923	P	1.0
8	☐	1000.000	1007.919	162089.37	0.1915	P	1.8
9	☐			147.79	0.0002	P	8.1

$$y = 1.8994E-004 * x + 1.2587E-005$$

$$R = 0.9999$$

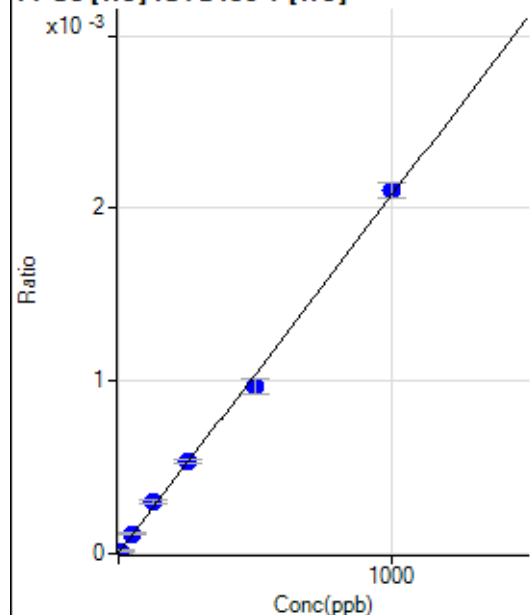
$$DL = 0.06108$$

$$BEC = 0.06627$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2.22	0.0000	P	86.6
2	☐	0.500	0.021	2.22	0.0000	P	86.6
3	☐	5.000	6.373	13.33	0.0000	P	50.8
4	☐	50.000	53.117	96.67	0.0001	P	11.1
5	☐	125.000	144.033	253.34	0.0003	P	5.0
6	☐	250.000	256.702	451.12	0.0005	P	3.8
7	☐	500.000	466.148	843.37	0.0010	P	8.4
8	☐	1000.000	1012.709	1779.02	0.0021	P	4.2
9	☐			7.78	0.0000	P	88.8

$$y = 2.0731E-006 * x + 2.6184E-006$$

$$R = 0.9990$$

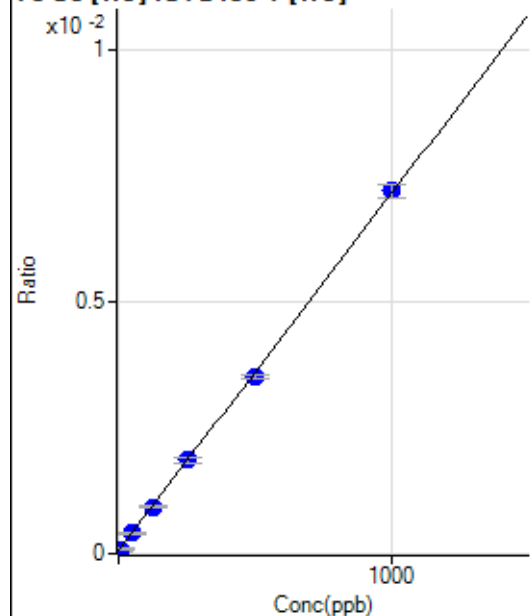
$$DL = 3.282$$

$$BEC = 1.263$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	56.01	0.0001	P	15.8
2	☐	0.500	-0.622	51.01	0.0001	P	14.3
3	☐	5.000	3.940	79.34	0.0001	P	10.3
4	☐	50.000	49.118	355.37	0.0004	P	6.3
5	☐	125.000	122.586	786.44	0.0009	P	3.5
6	☐	250.000	252.723	1567.25	0.0019	P	4.8
7	☐	500.000	485.193	3052.97	0.0035	P	1.6
8	☐	1000.000	1007.074	6101.28	0.0072	P	3.4
9	☐			51.01	0.0001	P	13.2

$$y = 7.0925E-006 * x + 6.5806E-005$$

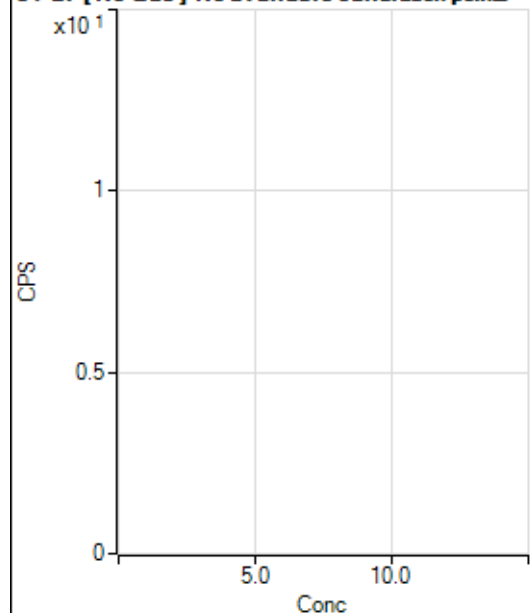
$$R = 0.9998$$

$$DL = 4.405$$

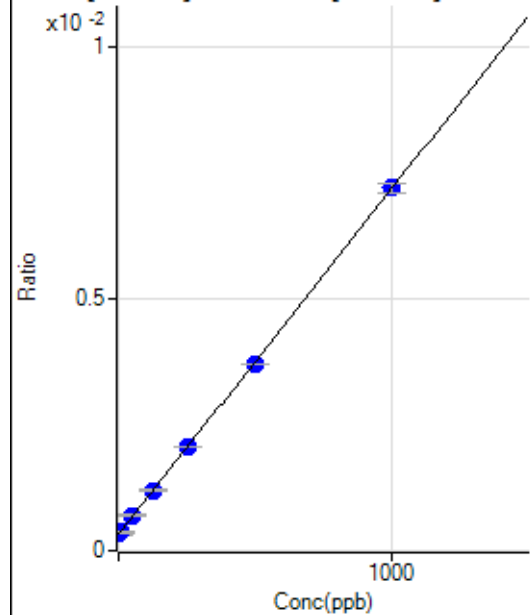
$$BEC = 9.278$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2703.04		P	6.5
2	☐			2469.44		P	3.9
3	☐			2506.14		P	6.4
4	☐			2219.14		P	7.1
5	☐			2309.25		P	5.8
6	☐			2262.53		P	9.7
7	☐			2255.85		P	7.7
8	☐			2265.85		P	6.9
9	☐			2559.55		P	7.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1831.20	0.0003	P	3.5
2	☒	0.500					
3	☐	5.000	6.059	2049.81	0.0004	P	4.8
4	☐	50.000	53.766	3875.53	0.0007	P	4.9
5	☐	125.000	127.140	6803.78	0.0012	P	3.3
6	☐	250.000	252.666	11533.38	0.0021	P	0.9
7	☐	500.000	492.016	21348.08	0.0037	P	0.8
8	☐	1000.000	1002.865	40233.34	0.0072	P	2.9
9	☐			1895.90	0.0003	P	5.3

$$y = 6.8627E-006 * x + 3.2513E-004$$

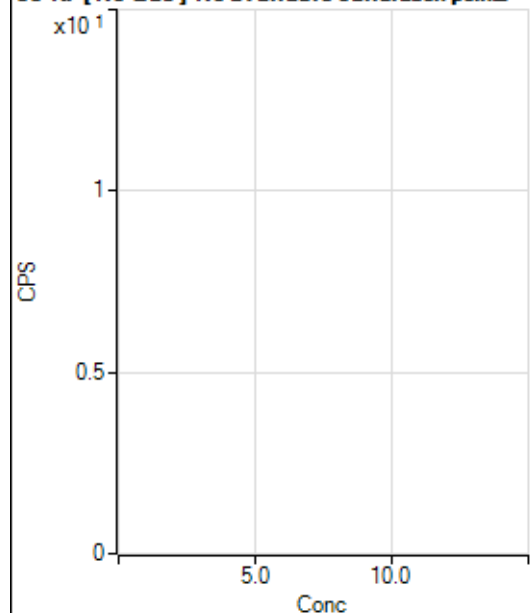
$$R = 0.9999$$

$$DL = 5.044$$

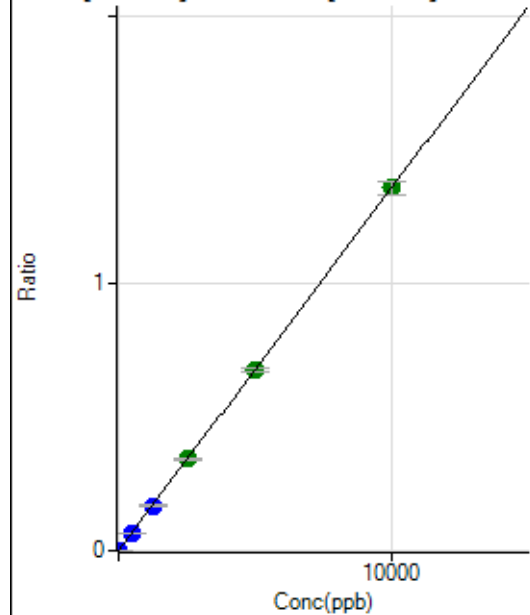
$$BEC = 47.38$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1942.38		P	2.9
2	☐			1941.27		P	4.1
3	☐			1967.94		P	4.0
4	☐			2034.61		P	4.4
5	☐			2017.94		P	7.8
6	☐			1982.38		P	5.7
7	☐			1977.94		P	3.4
8	☐			2000.16		P	3.6
9	☐			1921.26		P	1.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	3250.46	0.0006	P	4.7
2	☐	0.100	-0.015	3183.78	0.0006	P	5.8
3	☐	1.000	0.835	3858.97	0.0007	P	4.2
4	☐	500.000	489.067	373192.04	0.0668	P	3.5
5	☐	1250.000	1230.338	949807.20	0.1672	P	4.4
6	☐	2500.000	2538.916	1929291.12	0.3445	A	2.0
7	☐	5000.000	4980.524	3893858.51	0.6751	A	2.2
8	☐	10000.000	10003.014	7563965.88	1.3554	A	4.1
9	☐			7396.55	0.0013	P	3.7

$$y = 1.3544\text{E-}004 * x + 5.7717\text{E-}004$$

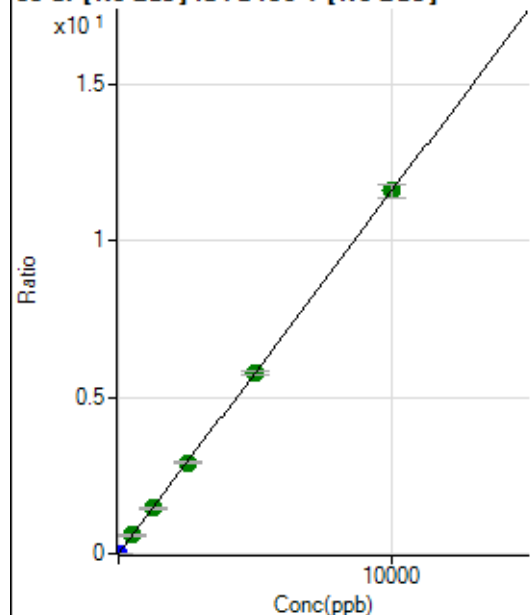
$$R = 1.0000$$

$$DL = 0.5952$$

$$BEC = 4.261$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	225.01	0.0000	P	5.7
2	☐	0.100	0.094	825.05	0.0001	P	8.2
3	☐	1.000	1.002	6698.98	0.0012	P	7.2
4	☐	500.000	504.321	3256653.22	0.5832	A	4.3
5	☐	1250.000	1249.375	8207728.40	1.4446	A	2.8
6	☐	2500.000	2510.818	16262092.72	2.9032	A	1.9
7	☐	5000.000	4971.367	33152361.85	5.7483	A	1.8
8	☐	10000.000	10011.474	64607361.86	11.5760	A	3.4
9	☐			36069.57	0.0063	P	1.8

$$y = 0.0012 * x + 3.9928E-005$$

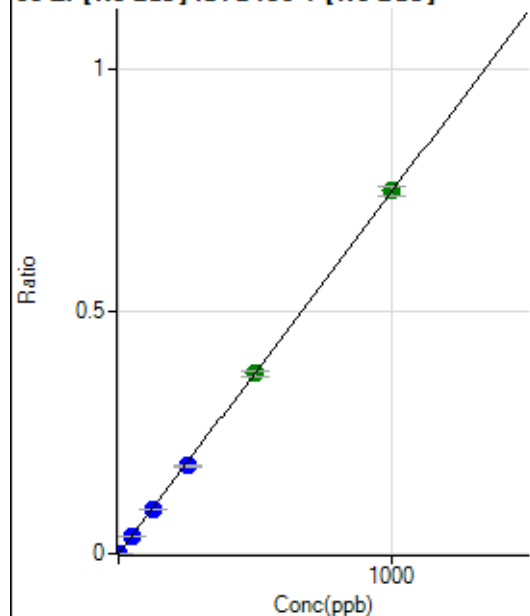
$$R = 1.0000$$

$$DL = 0.005858$$

$$BEC = 0.03453$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	305.57	0.0001	P	7.4
2	☐	0.100	0.108	747.26	0.0001	P	6.1
3	☐	1.000	1.012	4520.33	0.0008	P	6.8
4	☐	50.000	49.142	205064.06	0.0367	P	3.4
5	☐	125.000	121.800	516572.75	0.0909	P	3.2
6	☐	250.000	243.540	1018021.90	0.1817	P	2.2
7	☐	500.000	497.558	2141260.81	0.3712	A	3.1
8	☐	1000.000	1003.279	4179603.48	0.7485	A	2.7
9	☐			1944.64	0.0003	P	6.5

$$y = 7.4603E-004 * x + 5.4270E-005$$

$$R = 1.0000$$

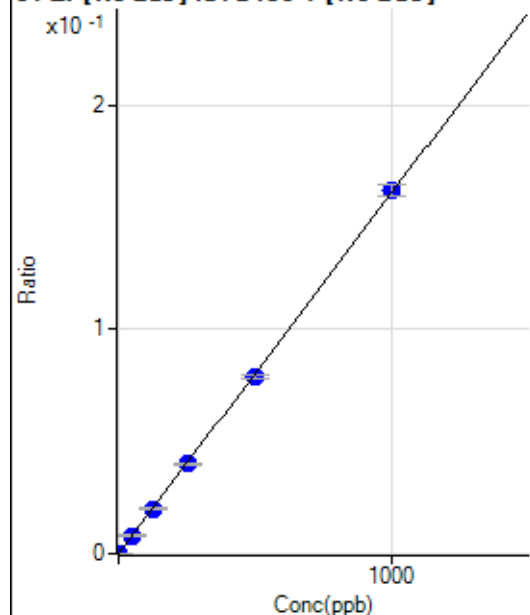
$$DL = 0.01612$$

$$BEC = 0.07274$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.11	0.0000	P	15.5
2	☐	0.100	0.105	177.78	0.0000	P	19.8
3	☐	1.000	1.092	1066.74	0.0002	P	14.8
4	☐	50.000	49.921	44970.70	0.0081	P	3.1
5	☐	125.000	123.900	113377.15	0.0200	P	3.6
6	☐	250.000	247.939	223615.80	0.0399	P	2.4
7	☐	500.000	489.891	454868.90	0.0789	P	2.8
8	☐	1000.000	1005.711	903522.26	0.1619	P	3.3
9	☐			538.91	0.0001	P	4.4

$$y = 1.6096E-004 * x + 1.5295E-005$$

$$R = 0.9999$$

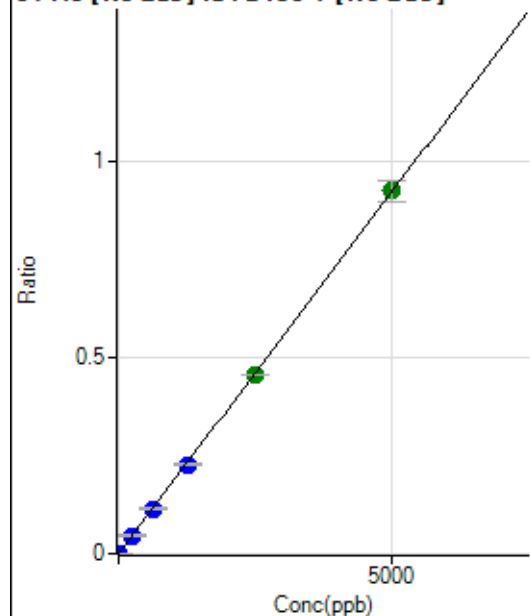
$$DL = 0.04405$$

$$BEC = 0.09503$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	147.23	0.0000	P	32.7
2	☐	0.500	0.526	680.60	0.0001	P	4.6
3	☐	5.000	4.931	5231.68	0.0009	P	4.0
4	☐	250.000	249.516	256930.05	0.0460	P	3.2
5	☐	625.000	621.881	651247.17	0.1146	P	2.8
6	☐	1250.000	1231.660	1271433.53	0.2270	P	2.4
7	☐	2500.000	2472.957	2628108.44	0.4557	A	0.6
8	☐	5000.000	5018.520	5157183.28	0.9248	A	5.8
9	☐			2947.62	0.0005	P	2.1

$$y = 1.8427E-004 * x + 2.6109E-005$$

$$R = 1.0000$$

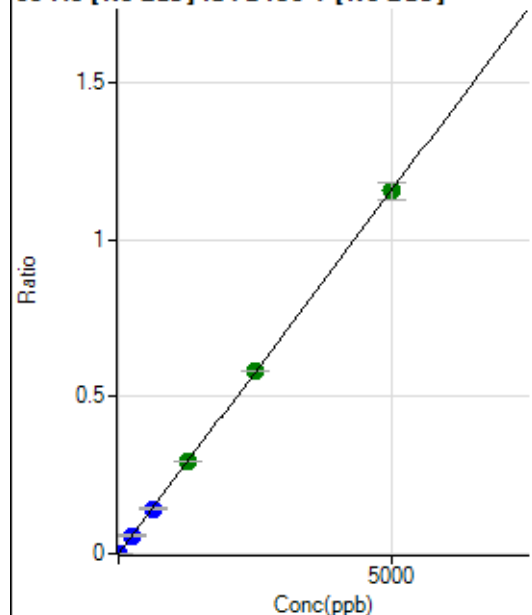
$$DL = 0.1392$$

$$BEC = 0.1417$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0000	P	94.6
2	☐	0.500	0.432	575.03	0.0001	P	5.2
3	☐	5.000	4.807	6234.91	0.0011	P	7.0
4	☐	250.000	247.684	319826.58	0.0573	P	3.4
5	☐	625.000	619.757	814016.57	0.1433	P	3.1
6	☐	1250.000	1266.197	1639648.88	0.2927	A	1.2
7	☐	2500.000	2509.072	3345130.67	0.5801	A	0.5
8	☐	5000.000	4992.186	6438382.74	1.1541	A	4.7
9	☐			3892.31	0.0007	P	6.4

$$y = 2.3118\text{E-}004 * x + 3.9740\text{E-}006$$

$$R = 1.0000$$

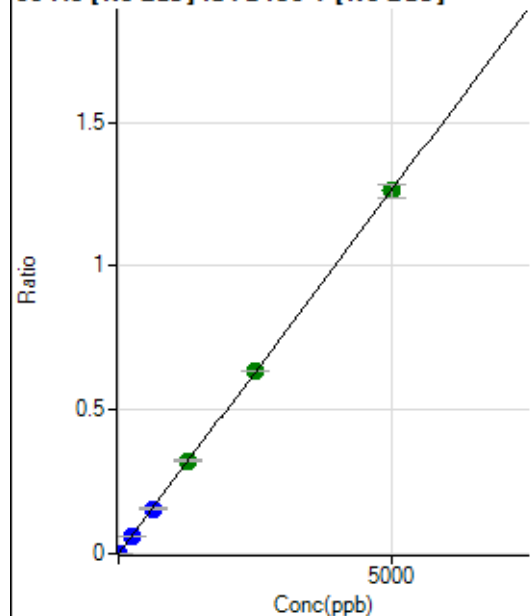
$$DL = 0.04877$$

$$BEC = 0.01719$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72.22	0.0000	P	32.1
2	☐	0.500	0.557	850.05	0.0002	P	10.2
3	☐	5.000	4.861	6946.37	0.0012	P	2.2
4	☐	250.000	244.643	345469.68	0.0619	P	3.7
5	☐	625.000	613.764	881583.69	0.1552	P	2.9
6	☐	1250.000	1277.940	1809605.60	0.3231	A	0.9
7	☐	2500.000	2505.702	3653118.31	0.6334	A	0.4
8	☐	5000.000	4991.836	7042545.21	1.2619	A	3.5
9	☐			4598.11	0.0008	P	9.4

$$y = 2.5280\text{E-}004 * x + 1.2788\text{E-}005$$

$$R = 1.0000$$

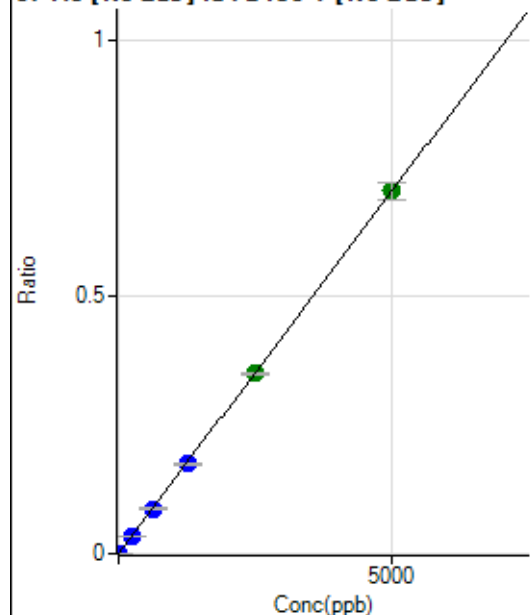
$$DL = 0.04864$$

$$BEC = 0.05059$$

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	5.56	0.0000	P	173.
2	☐	0.500	0.493	388.90	0.0001	P	19.2
3	☐	5.000	4.814	3797.83	0.0007	P	3.1
4	☐	250.000	247.258	194526.77	0.0348	P	3.6
5	☐	625.000	616.333	493253.12	0.0868	P	3.2
6	☐	1250.000	1244.971	982308.65	0.1754	P	1.7
7	☐	2500.000	2485.852	2019380.88	0.3502	A	1.2
8	☐	5000.000	5009.552	3936314.32	0.7056	A	4.8
9	☐			2114.10	0.0004	P	4.8

$$y = 1.4086E-004 * x + 9.9617E-007$$

$$R = 1.0000$$

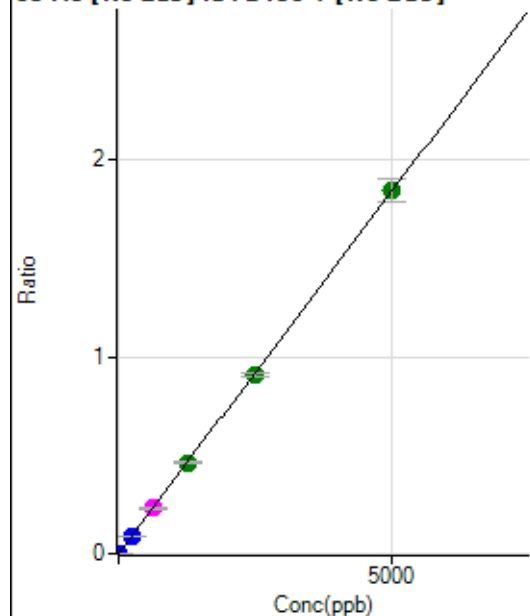
$$DL = 0.03675$$

$$BEC = 0.007072$$

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	44.44	0.0000	P	21.0
2	☐	0.500	0.493	1044.51	0.0002	P	8.4
3	☐	5.000	4.967	10259.62	0.0018	P	0.7
4	☐	250.000	246.357	505873.64	0.0906	P	2.7
5	☐	625.000	625.374	1306547.56	0.2299	M	2.5
6	☐	1250.000	1259.872	2593998.67	0.4631	A	1.3
7	☐	2500.000	2470.592	5237487.62	0.9081	A	1.1
8	☐	5000.000	5012.372	10273770.71	1.8425	A	6.4
9	☐			6168.20	0.0011	P	10.2

$$y = 3.6758E-004 * x + 7.8797E-006$$

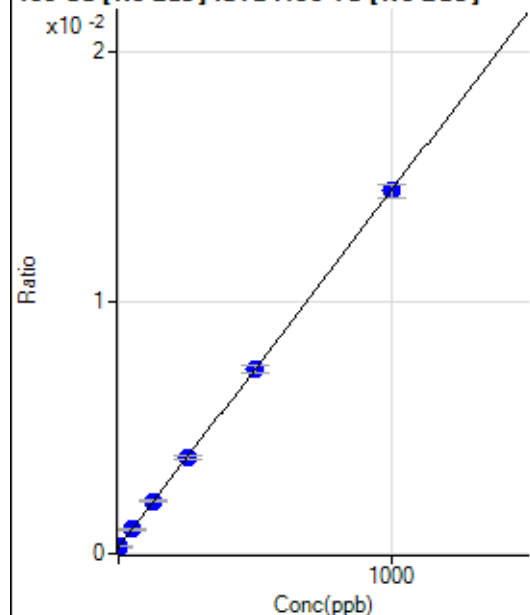
$$R = 1.0000$$

$$DL = 0.01347$$

$$BEC = 0.02144$$

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	1019.51	0.0003	P	11.1
2	☐	0.100	2.558	1133.41	0.0003	P	9.1
3	☐	1.000	2.880	1155.63	0.0003	P	9.4
4	☐	50.000	51.414	3836.75	0.0010	P	6.4
5	☐	125.000	129.024	8497.31	0.0021	P	5.4
6	☐	250.000	251.684	15311.63	0.0038	P	4.4
7	☐	500.000	501.100	30008.28	0.0074	P	3.9
8	☐	1000.000	998.453	56776.07	0.0145	P	3.9
9	☐			1197.31	0.0003	P	10.9

$$y = 1.4224\text{E-}005 * x + 2.5184\text{E-}004$$

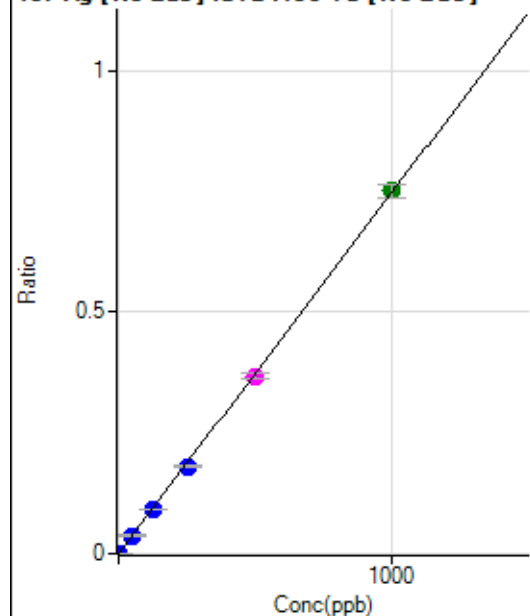
$$R = 1.0000$$

$$DL = 5.91$$

$$BEC = 17.71$$

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	41.67	0.0000	P	34.8
2	☐	0.100	0.090	305.57	0.0001	P	22.4
3	☐	1.000	0.992	2961.52	0.0008	P	7.1
4	☐	50.000	49.595	144685.48	0.0371	P	4.5
5	☐	125.000	121.531	369754.08	0.0908	P	2.4
6	☐	250.000	241.195	720108.43	0.1802	P	2.1
7	☐	500.000	493.219	1498409.72	0.3685	M	4.1
8	☐	1000.000	1006.046	2951723.70	0.7516	A	3.8
9	☐			1319.54	0.0003	P	9.4

$$y = 7.4705\text{E-}004 * x + 1.0293\text{E-}005$$

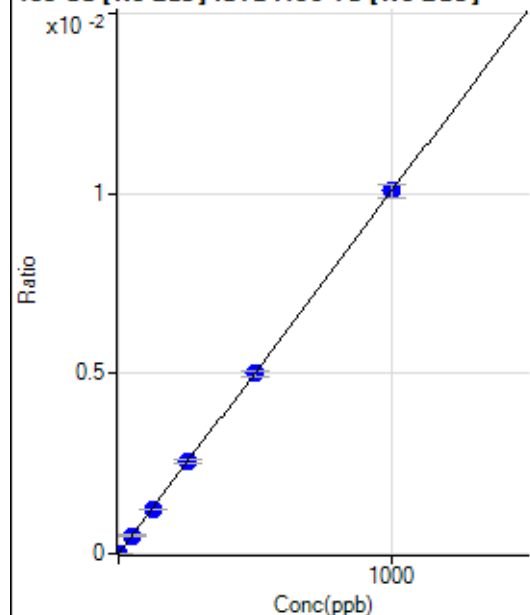
$$R = 0.9999$$

$$DL = 0.01438$$

$$BEC = 0.01378$$

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	9.72	0.0000	P	24.6
2	☐	0.100	-0.028	8.33	0.0000	P	49.6
3	☐	1.000	0.879	44.45	0.0000	P	29.3
4	☐	50.000	50.165	1980.72	0.0005	P	5.4
5	☐	125.000	122.019	5012.08	0.0012	P	2.1
6	☐	250.000	254.025	10228.90	0.0026	P	4.2
7	☐	500.000	496.376	20331.80	0.0050	P	2.6
8	☐	1000.000	1001.170	39592.81	0.0101	P	3.7
9	☐			50.00	0.0000	P	25.2

$$y = 1.0067\text{E-}005 * x + 2.3992\text{E-}006$$

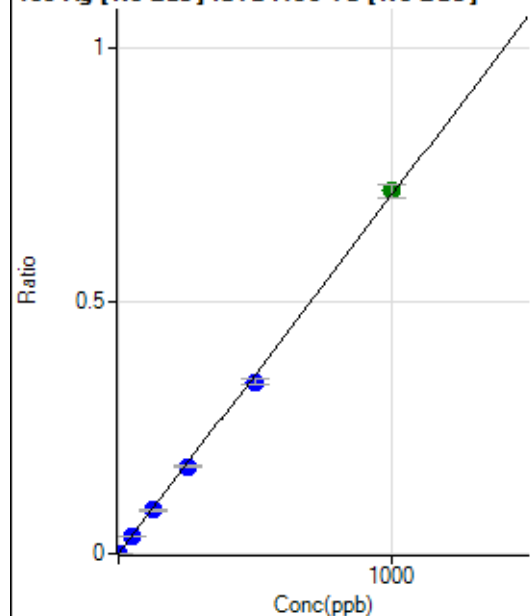
$$R = 1.0000$$

$$DL = 0.1756$$

$$BEC = 0.2383$$

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	19.44	0.0000	P	98.8
2	☐	0.100	0.078	238.90	0.0001	P	34.5
3	☐	1.000	0.975	2747.57	0.0007	P	4.6
4	☐	50.000	48.788	135264.10	0.0346	P	3.3
5	☐	125.000	120.922	349597.23	0.0858	P	1.3
6	☐	250.000	243.575	691023.38	0.1729	P	2.4
7	☐	500.000	479.885	1385341.94	0.3407	P	2.4
8	☐	1000.000	1012.234	2821706.64	0.7186	A	3.7
9	☐			1347.32	0.0003	P	7.7

$$y = 7.0989\text{E-}004 * x + 4.7946\text{E-}006$$

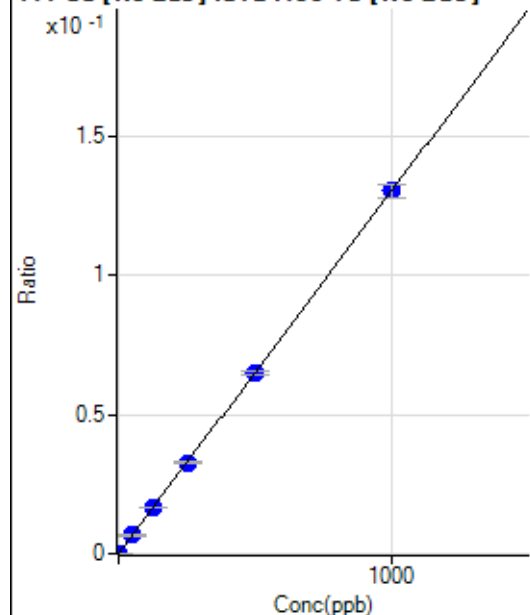
$$R = 0.9997$$

$$DL = 0.02002$$

$$BEC = 0.006754$$

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	69.17	0.0000	P	10.0
2	☐	0.100	0.120	128.61	0.0000	P	8.0
3	☐	1.000	1.039	600.30	0.0002	P	3.1
4	☐	50.000	51.820	26374.68	0.0068	P	6.4
5	☐	125.000	126.871	67281.30	0.0165	P	1.5
6	☐	250.000	250.962	130535.58	0.0327	P	2.3
7	☐	500.000	498.356	263704.79	0.0648	P	2.7
8	☐	1000.000	1000.256	511013.78	0.1301	P	3.6
9	☐			340.15	0.0001	P	12.7

$$y = 1.3009\text{E-}004 * x + 1.7086\text{E-}005$$

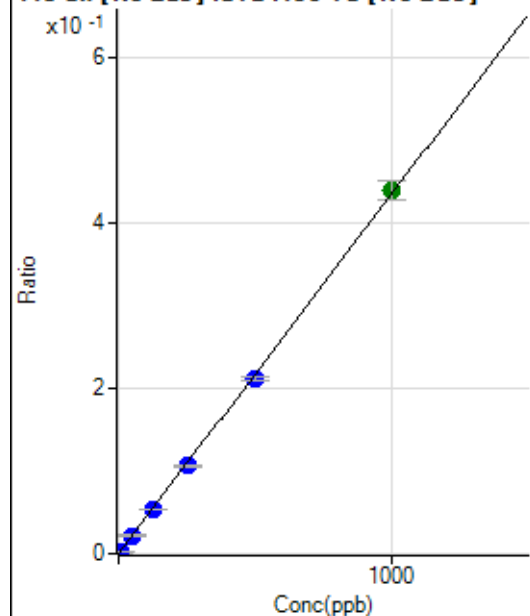
$$R = 1.0000$$

$$DL = 0.03951$$

$$BEC = 0.1313$$

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	197.23	0.0000	P	24.7
2	☐	0.500	0.516	1075.07	0.0003	P	6.0
3	☐	5.000	5.295	9275.59	0.0024	P	3.9
4	☐	50.000	49.747	84703.48	0.0217	P	5.1
5	☐	125.000	121.887	216217.80	0.0531	P	1.2
6	☐	250.000	243.595	423833.34	0.1061	P	2.7
7	☐	500.000	486.135	860520.90	0.2116	P	1.8
8	☐	1000.000	1008.934	1723360.56	0.4391	A	5.3
9	☐			1561.24	0.0004	P	6.8

$$y = 4.3519\text{E-}004 * x + 4.8748\text{E-}005$$

$$R = 0.9998$$

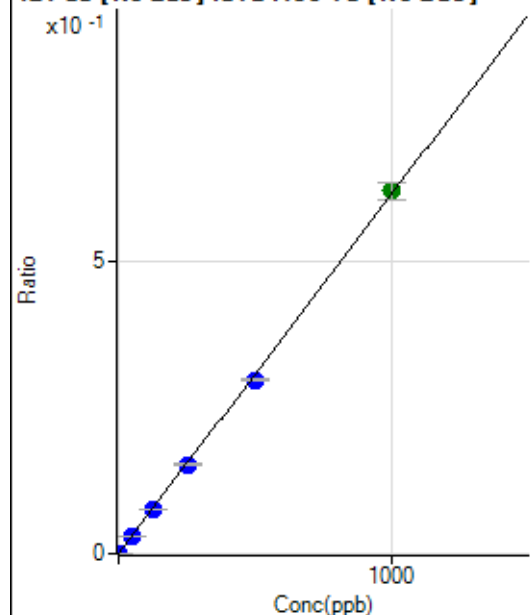
$$DL = 0.08294$$

$$BEC = 0.112$$

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	27.78	0.0000	P	34.2
2	☐	0.200	0.179	458.35	0.0001	P	22.2
3	☐	2.000	2.077	5048.30	0.0013	P	11.1
4	☐	50.000	49.194	117897.87	0.0302	P	5.2
5	☐	125.000	121.613	304025.17	0.0747	P	1.5
6	☐	250.000	246.170	603884.91	0.1511	P	2.1
7	☐	500.000	484.114	1208466.23	0.2972	P	1.6
8	☐	1000.000	1009.364	2431691.42	0.6196	A	5.1
9	☐			2294.70	0.0006	P	6.1

$$y = 6.1383\text{E-}004 * x + 6.8489\text{E-}006$$

$$R = 0.9998$$

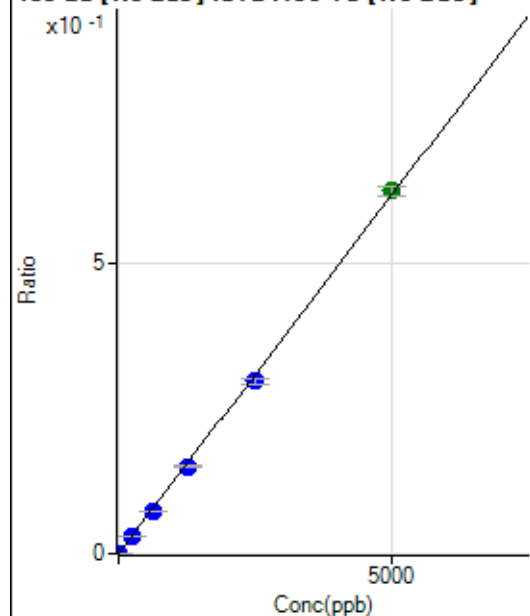
$$DL = 0.01145$$

$$BEC = 0.01116$$

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	36.11	0.0000	P	74.0
2	☐	1.000	0.796	422.24	0.0001	P	7.1
3	☐	10.000	10.178	4989.95	0.0013	P	8.5
4	☐	250.000	244.922	118208.41	0.0303	P	4.4
5	☐	625.000	593.437	298718.14	0.0734	P	0.8
6	☐	1250.000	1212.011	598632.25	0.1498	P	2.2
7	☐	2500.000	2402.323	1207390.55	0.2969	P	2.4
8	☐	5000.000	5062.535	2457502.16	0.6257	A	2.8
9	☐			1522.35	0.0004	P	2.0

$$y = 1.2359\text{E-}004 * x + 8.9043\text{E-}006$$

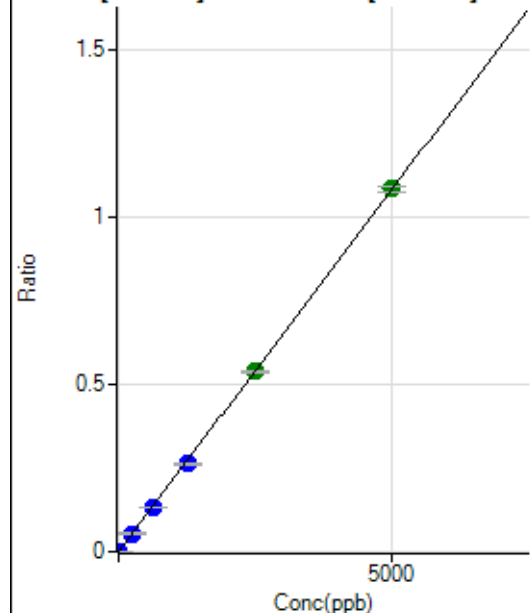
$$R = 0.9997$$

$$DL = 0.1599$$

$$BEC = 0.07205$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	16.67	0.0000	P	0.6
2	☐	1.000	0.985	852.83	0.0002	P	14.4
3	☐	10.000	9.980	8516.80	0.0022	P	0.7
4	☐	250.000	246.569	207878.38	0.0533	P	6.1
5	☐	625.000	607.144	534065.95	0.1311	P	2.0
6	☐	1250.000	1213.075	1047132.41	0.2620	P	2.8
7	☐	2500.000	2489.196	2186464.93	0.5377	A	1.8
8	☐	5000.000	5017.037	4258252.18	1.0837	A	1.5
9	☐			2611.43	0.0006	P	5.6

$$y = 2.1600\text{E-}004 * x + 4.1161\text{E-}006$$

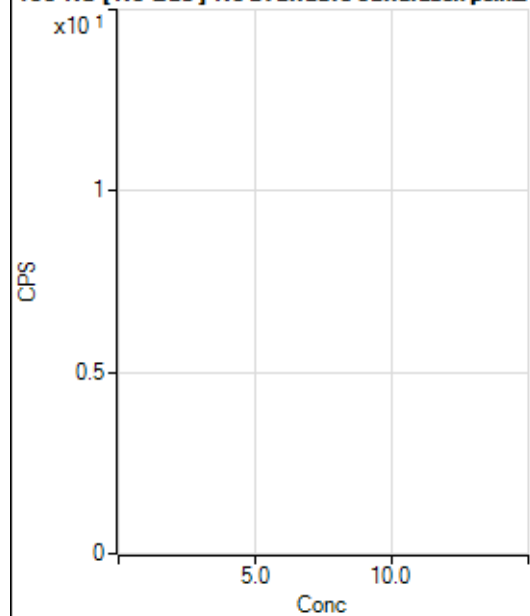
$$R = 1.0000$$

$$DL = 0.0003534$$

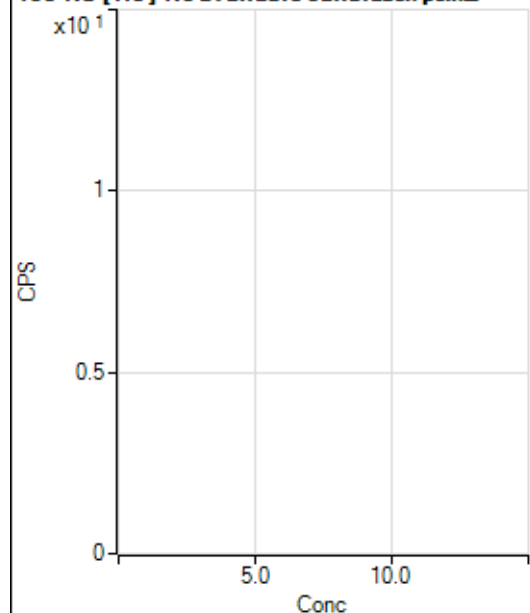
$$BEC = 0.01906$$

Weight: <None>

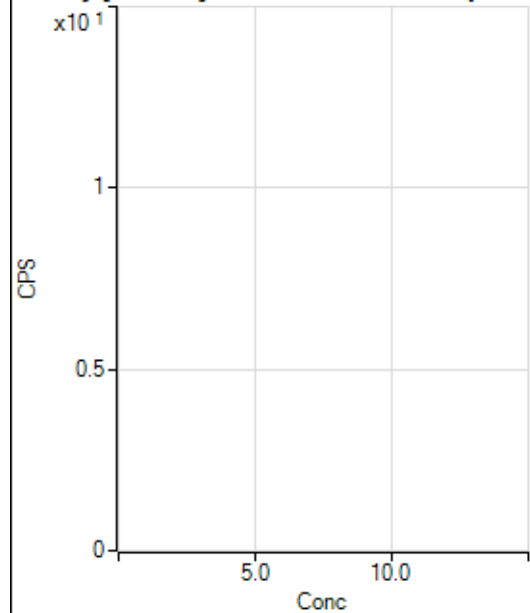
Min Conc: 0

150 Nd [No Gas] No available calibration points

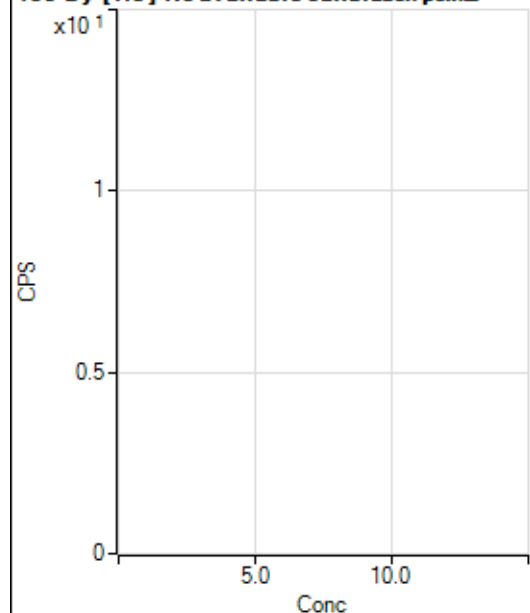
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	173.
2	☐			8.89		P	86.6
3	☐			2.22		P	173.
4	☐			0.00		P	
5	☐			22.22		P	62.4
6	☐			22.22		P	45.8
7	☐			40.00		P	28.9
8	☐			53.33		P	25.0
9	☐			13.33		P	132.

150 Nd [He] No available calibration points

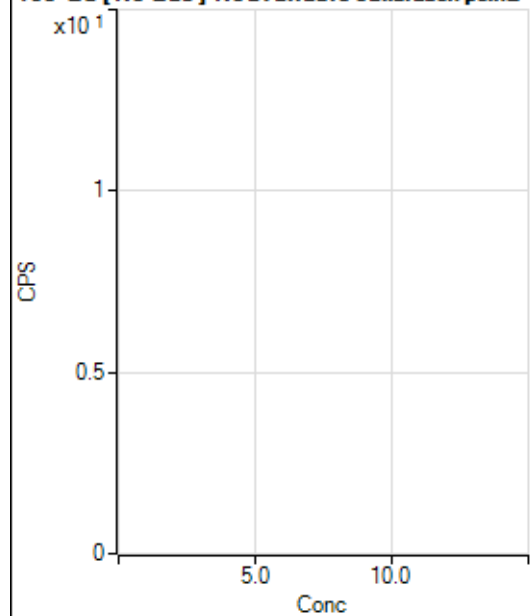
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐			0.00		P	
3	☐			1.11		P	173.
4	☐			2.22		P	173.
5	☐			1.11		P	173.
6	☐			2.22		P	86.6
7	☐			3.33		P	100.
8	☐			4.44		P	43.4
9	☐			7.78		P	24.7

156 Dy [No Gas] No available calibration points

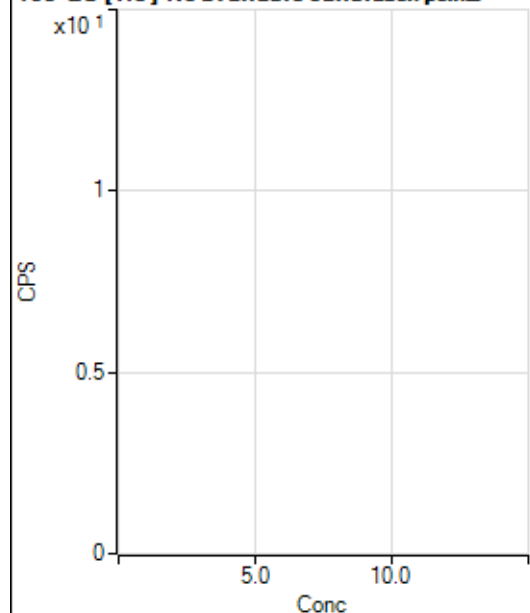
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	86.6
2	☐			5.55		P	86.6
3	☐			2.78		P	173.
4	☐			19.44		P	65.5
5	☐			41.66		P	34.6
6	☐			52.78		P	63.8
7	☐			75.00		P	33.3
8	☐			144.45		P	26.0
9	☐			527.81		P	22.2

156 Dy [He] No available calibration points

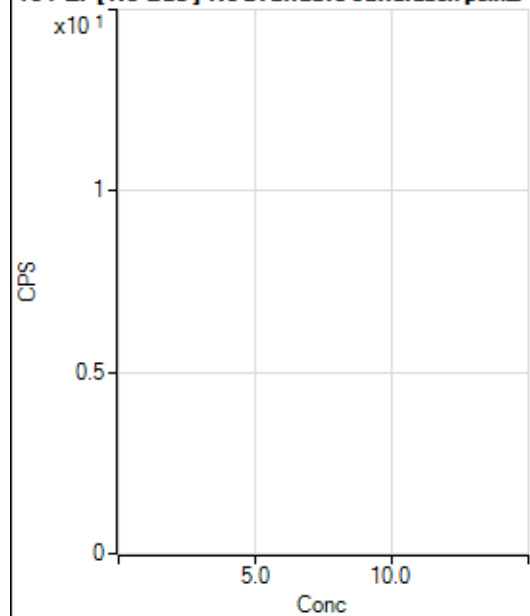
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			2.22		P	173.
3	☐			4.44		P	114.
4	☐			4.45		P	86.6
5	☐			10.00		P	57.8
6	☐			25.56		P	49.4
7	☐			35.56		P	14.3
8	☐			78.89		P	6.5
9	☐			344.45		P	4.6

160 Gd [No Gas] Noavailable calibration poin_

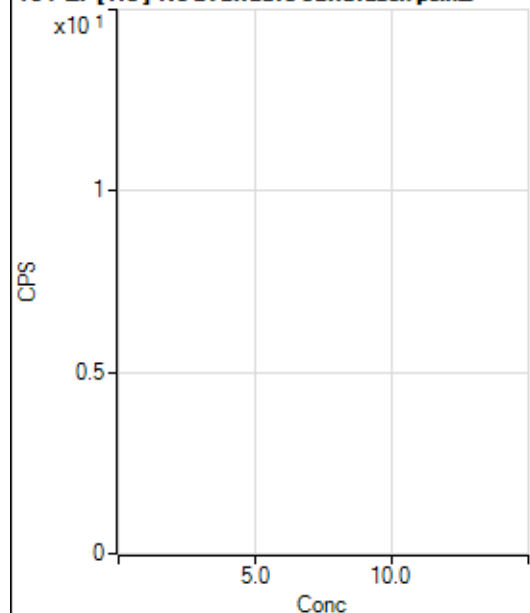
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	66.7
2	☐			25.00		P	88.2
3	☐			38.89		P	32.7
4	☐			19.44		P	65.5
5	☐			27.78		P	105.
6	☐			63.89		P	52.7
7	☐			100.00		P	8.3
8	☐			125.01		P	30.5
9	☐			594.47		P	7.2

160 Gd [He] No available calibration points

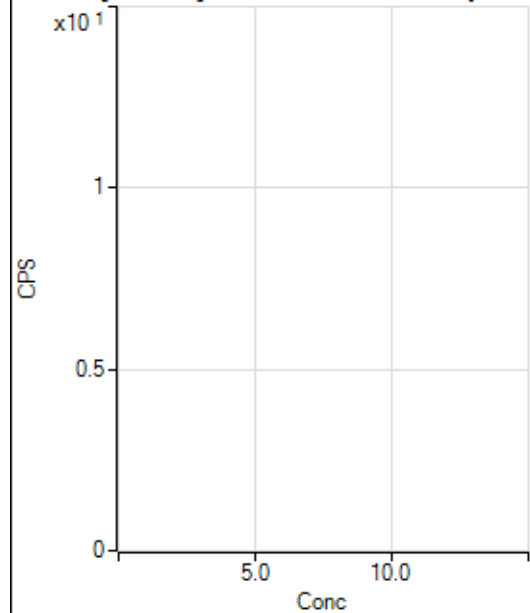
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	100.
2	☐			12.22		P	15.7
3	☐			13.33		P	109.
4	☐			12.22		P	15.7
5	☐			26.67		P	12.5
6	☐			42.22		P	32.9
7	☐			41.11		P	44.7
8	☐			90.00		P	17.0
9	☐			441.13		P	4.6

164 Er [No Gas] No available calibration points

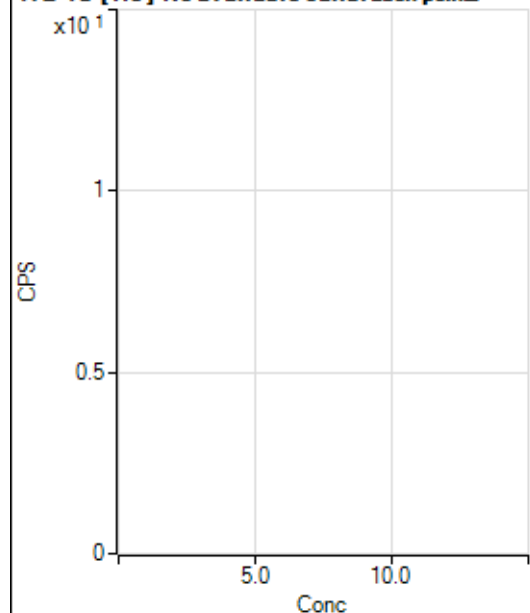
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			19.45		P	24.7
2	☐			27.78		P	45.8
3	☐			52.78		P	9.1
4	☐			30.55		P	15.7
5	☐			38.89		P	65.5
6	☐			33.33		P	75.0
7	☐			50.00		P	57.7
8	☐			47.22		P	79.6
9	☐			127.78		P	13.6

164 Er [He] No available calibration points

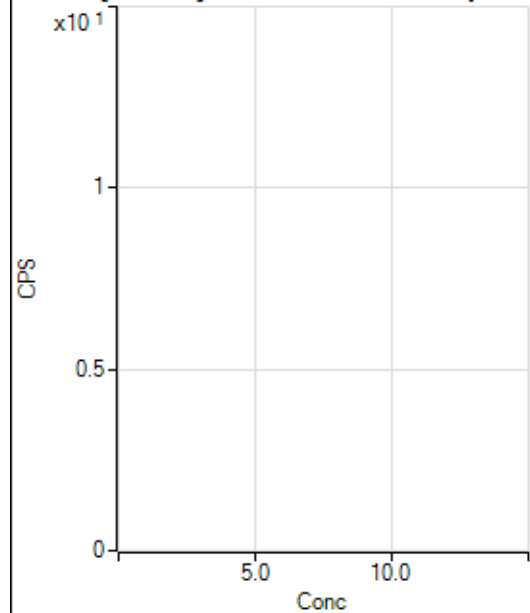
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			12.22		P	41.7
2	☐			14.44		P	13.4
3	☐			15.56		P	32.7
4	☐			15.56		P	61.9
5	☐			16.67		P	20.0
6	☐			14.45		P	48.0
7	☐			23.33		P	24.7
8	☐			27.78		P	25.0
9	☐			58.89		P	8.6

172 Yb [No Gas] No available calibration points

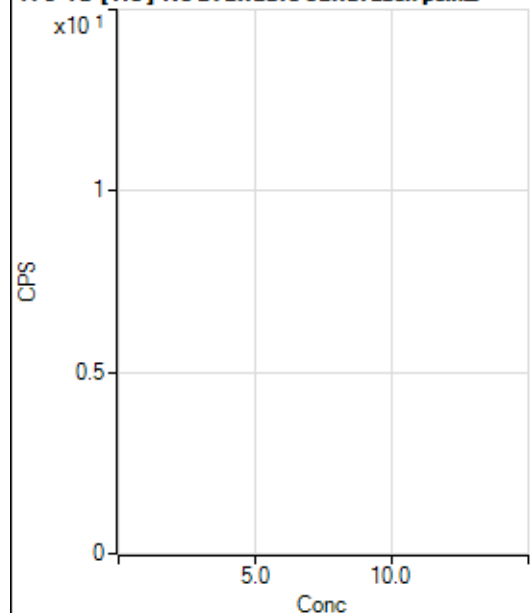
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.89		P	69.3
2	☐			11.11		P	86.6
3	☐			30.56		P	41.7
4	☐			41.67		P	52.9
5	☐			33.33		P	25.0
6	☐			16.67		P	86.6
7	☐			11.11		P	114.
8	☐			19.45		P	24.7
9	☐			22.22		P	21.6

172 Yb [He] No available calibration points

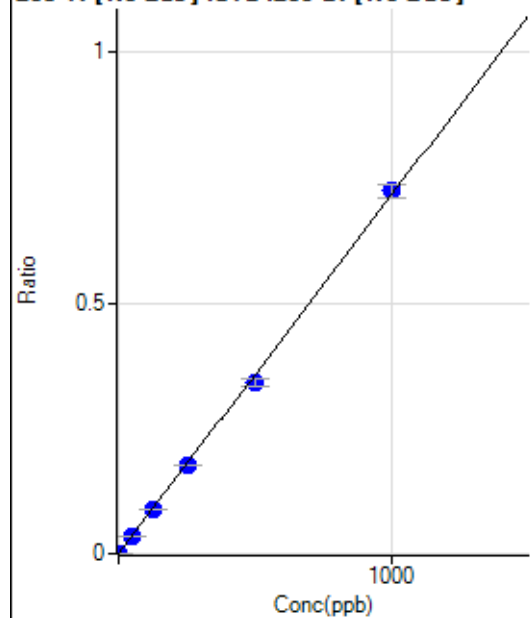
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.56		P	100.
2	☐			14.82		P	78.1
3	☐			14.82		P	78.1
4	☐			1.85		P	173.
5	☐			11.11		P	50.0
6	☐			11.11		P	50.0
7	☐			12.97		P	49.5
8	☐			5.56		P	NaN
9	☐			11.11		P	50.0

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			430.57		P	10.7
2	☐			341.68		P	16.0
3	☐			333.35		P	17.3
4	☐			405.57		P	11.3
5	☐			388.91		P	22.3
6	☐			413.91		P	8.4
7	☐			394.46		P	10.6
8	☐			391.68		P	5.6
9	☐			422.24		P	8.9

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			288.90		P	35.6
2	☐			240.75		P	8.7
3	☐			224.08		P	15.7
4	☐			238.90		P	19.9
5	☐			220.38		P	24.2
6	☐			214.82		P	8.3
7	☐			203.71		P	11.0
8	☐			233.34		P	21.8
9	☐			205.56		P	30.1

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	119.45	0.0001	P	17.8
2	☐	0.100	0.097	266.68	0.0001	P	9.7
3	☐	1.000	1.015	1655.71	0.0008	P	4.9
4	☐	50.000	48.648	73363.01	0.0349	P	2.6
5	☐	125.000	123.916	190162.99	0.0887	P	3.2
6	☐	250.000	247.118	372495.18	0.1769	P	1.5
7	☐	500.000	478.802	747106.73	0.3427	P	4.5
8	☐	1000.000	1011.523	1461440.50	0.7239	P	3.4
9	☐			802.83	0.0004	P	13.2

$$y = 7.1555E-004 * x + 5.5029E-005$$

$$R = 0.9997$$

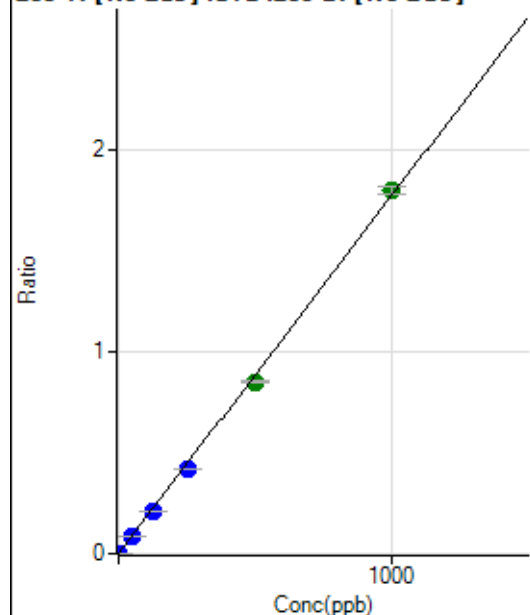
$$DL = 0.04116$$

$$BEC = 0.0769$$

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	336.13	0.0002	P	26.4
2	☐	0.100	0.093	683.37	0.0003	P	19.0
3	☐	1.000	0.969	3959.06	0.0019	P	7.5
4	☐	50.000	46.780	174648.05	0.0830	P	1.9
5	☐	125.000	118.968	451889.56	0.2108	P	2.2
6	☐	250.000	236.358	881863.75	0.4187	P	2.1
7	☐	500.000	480.693	1856834.72	0.8514	A	2.1
8	☐	1000.000	1013.979	3626867.36	1.7957	A	2.1
9	☐			1877.97	0.0009	P	11.2

$$y = 0.0018 * x + 1.5445E-004$$

$$R = 0.9996$$

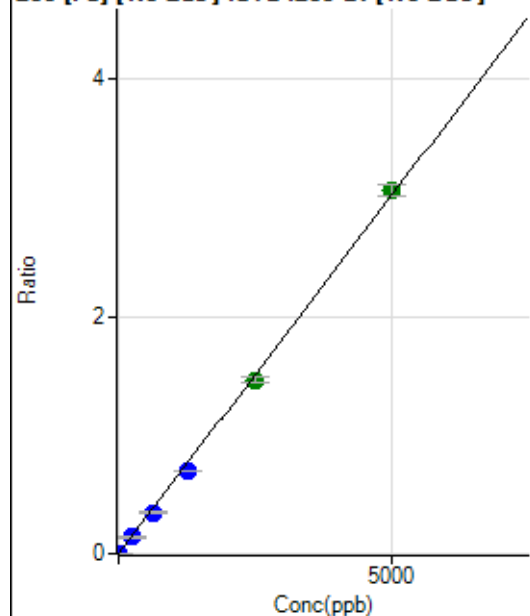
$$DL = 0.06908$$

$$BEC = 0.08722$$

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	196.30	0.0001	P	20.8
2	☐	0.100	0.083	300.01	0.0001	P	9.8
3	☐	1.000	0.976	1438.99	0.0007	P	10.2
4	☐	250.000	231.189	294084.70	0.1398	P	3.3
5	☐	625.000	575.784	745954.08	0.3480	P	1.2
6	☐	1250.000	1160.020	1476152.22	0.7010	P	1.1
7	☐	2500.000	2429.262	3200955.05	1.4679	A	3.5
8	☐	5000.000	5064.956	6178813.16	3.0604	A	3.3
9	☐			13744.53	0.0066	P	2.7

$$y = 6.0421E-004 * x + 9.0265E-005$$

$$R = 0.9997$$

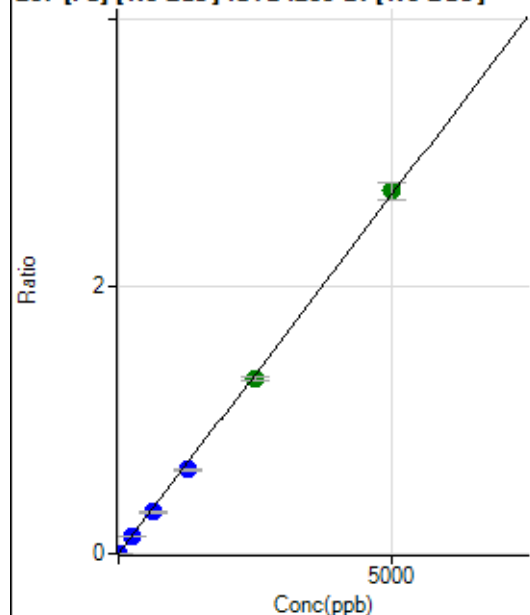
$$DL = 0.09325$$

$$BEC = 0.1494$$

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	185.19	0.0001	P	16.8
2	☐	0.100	0.084	279.64	0.0001	P	15.6
3	☐	1.000	0.861	1159.33	0.0005	P	8.9
4	☐	250.000	233.914	263793.65	0.1254	P	5.0
5	☐	625.000	582.810	669434.96	0.3123	P	3.5
6	☐	1250.000	1168.979	1319004.96	0.6264	P	1.1
7	☐	2500.000	2435.899	2846896.62	1.3052	A	2.9
8	☐	5000.000	5058.384	5470387.39	2.7103	A	4.6
9	☐			12413.53	0.0060	P	3.5

$$y = 5.3578E-004 * x + 8.5398E-005$$

$$R = 0.9997$$

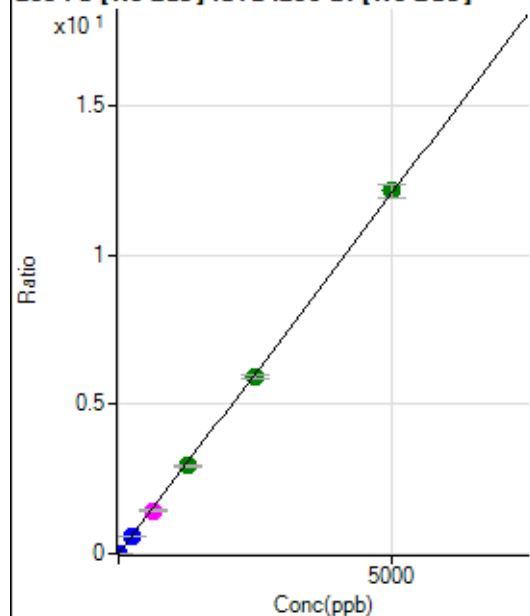
$$DL = 0.08027$$

$$BEC = 0.1594$$

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	737.06	0.0003	P	9.9
2	☐	0.100	0.085	1163.00	0.0005	P	6.0
3	☐	1.000	0.965	5652.45	0.0027	P	2.7
4	☐	250.000	232.994	1184285.93	0.5629	P	3.4
5	☐	625.000	597.875	3094452.54	1.4439	M	4.2
6	☐	1250.000	1220.394	6205554.22	2.9469	A	1.1
7	☐	2500.000	2446.119	12881774.22	5.9064	A	2.2
8	☐	5000.000	5038.583	24558617.05	12.1658	A	3.9
9	☐			55812.62	0.0270	P	1.6

$$y = 0.0024 * x + 3.3909E-004$$

$$R = 0.9999$$

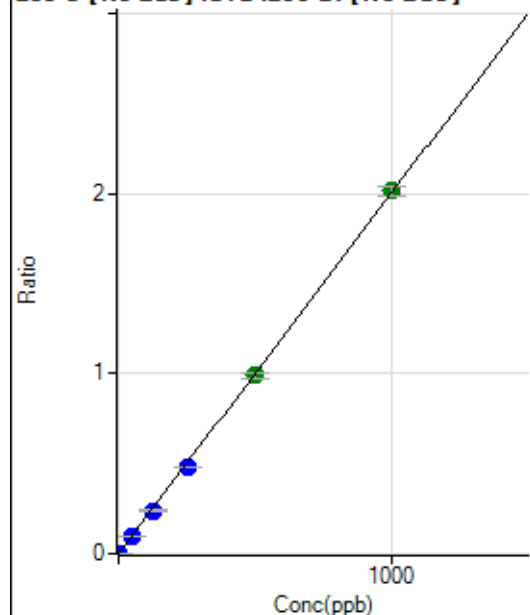
$$DL = 0.04153$$

$$BEC = 0.1404$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	16.67	0.0000	P	49.2
2	☐	0.100	0.080	361.13	0.0002	P	5.1
3	☐	1.000	1.053	4481.49	0.0021	P	5.2
4	☐	50.000	47.466	199974.59	0.0951	P	3.6
5	☐	125.000	119.798	514238.23	0.2399	P	1.0
6	☐	250.000	238.228	1004553.60	0.4770	P	0.6
7	☐	500.000	494.104	2157379.43	0.9894	A	3.6
8	☐	1000.000	1006.668	4070854.52	2.0157	A	2.4
9	☐			1450.13	0.0007	P	10.7

$$y = 0.0020 * x + 7.6623E-006$$

$$R = 0.9999$$

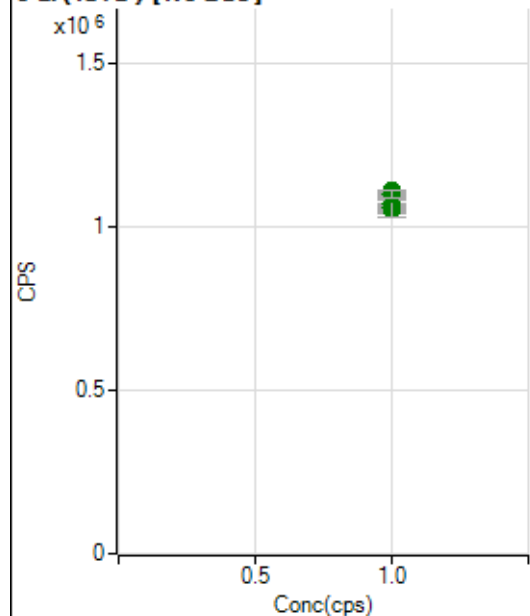
$$DL = 0.005653$$

$$BEC = 0.003827$$

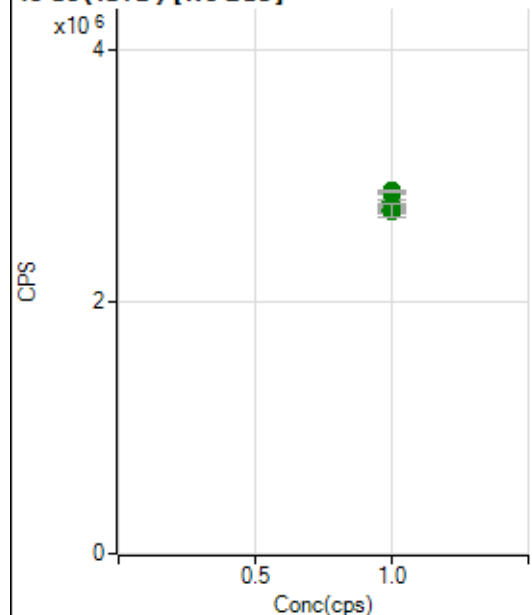
Weight: <None>

Min Conc: 0

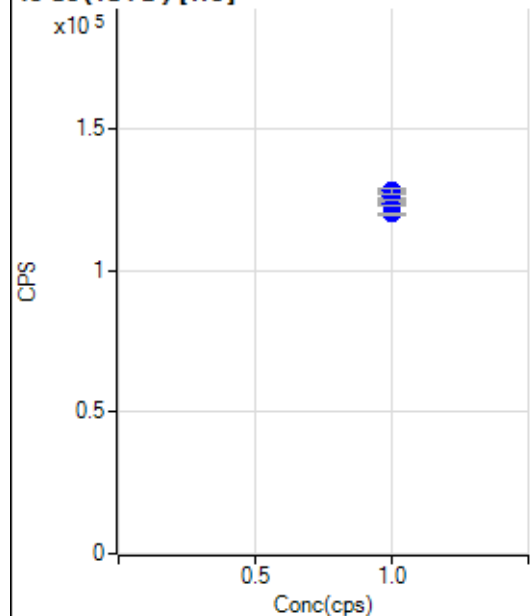
6 Li (ISTD) [No Gas]



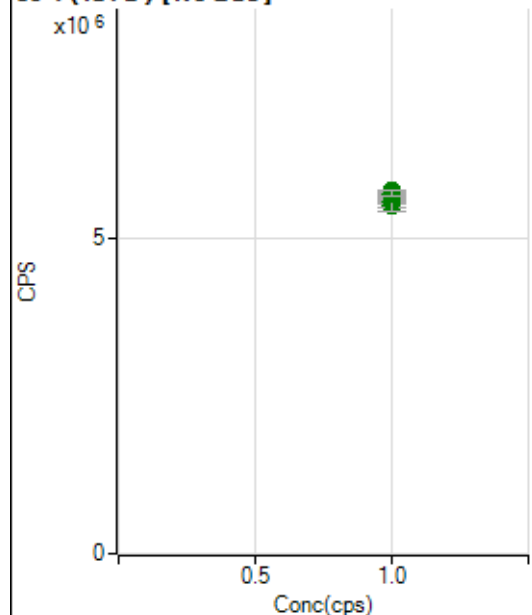
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1052078.52		A	0.3
2	☐	1.000		1058730.07		A	4.1
3	☐	1.000		1057699.83		A	2.7
4	☐	1.000		1054562.44		A	0.9
5	☐	1.000		1094468.72		A	0.4
6	☐	1.000		1072007.14		A	1.4
7	☐	1.000		1108742.47		A	0.8
8	☐	1.000		1057784.11		A	5.5
9	☐	1.000		1098948.98		A	1.8

45 Sc (ISTD) [No Gas]

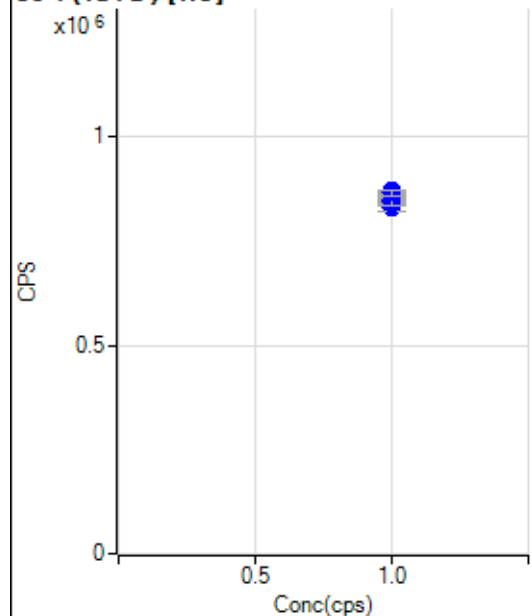
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2761806.59		A	1.1
2	☐	1.000		2749282.88		A	1.9
3	☐	1.000		2728300.98		A	0.5
4	☐	1.000		2718762.06		A	1.3
5	☐	1.000		2800453.43		A	1.1
6	☐	1.000		2759055.76		A	0.7
7	☐	1.000		2855913.95		A	0.6
8	☐	1.000		2726827.39		A	4.0
9	☐	1.000		2879847.88		A	0.3

45 Sc (ISTD) [He]

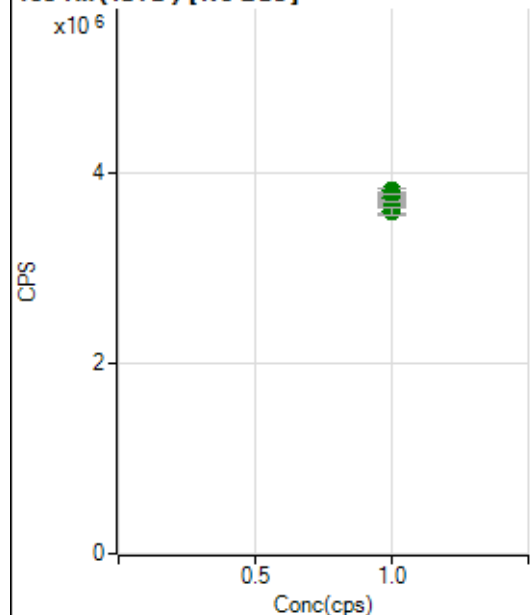
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		123793.90		P	0.2
2	☐	1.000		120232.08		P	0.8
3	☐	1.000		124466.56		P	0.8
4	☐	1.000		125502.27		P	0.7
5	☐	1.000		123651.35		P	0.4
6	☐	1.000		123781.20		P	1.4
7	☐	1.000		127954.67		P	1.4
8	☐	1.000		126566.18		P	2.5
9	☐	1.000		128311.51		P	1.5

89 Y (ISTD) [No Gas]

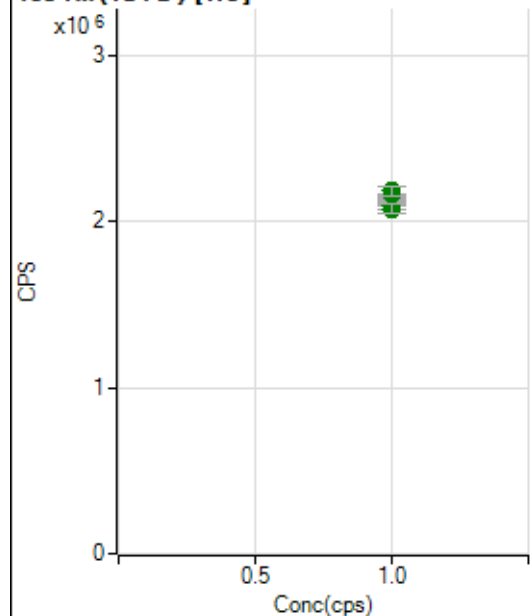
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5633744.50		A	1.2
2	☐	1.000		5532019.71		A	1.6
3	☐	1.000		5596097.28		A	3.5
4	☐	1.000		5588027.21		A	2.7
5	☐	1.000		5683672.14		A	2.2
6	☐	1.000		5601332.90		A	0.6
7	☐	1.000		5766959.91		A	0.6
8	☐	1.000		5586936.27		A	4.8
9	☐	1.000		5724471.65		A	1.8

89 Y (ISTD) [He]

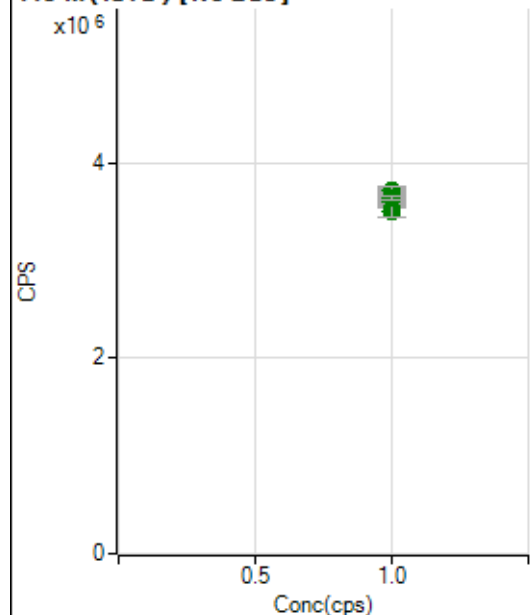
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		851100.93		P	0.9
2	☐	1.000		831307.31		P	1.9
3	☐	1.000		845738.95		P	1.3
4	☐	1.000		857958.20		P	0.8
5	☐	1.000		840972.16		P	0.8
6	☐	1.000		843735.97		P	1.4
7	☐	1.000		870582.58		P	0.5
8	☐	1.000		846848.56		P	2.3
9	☐	1.000		865901.71		P	1.4

103 Rh (ISTD) [No Gas]

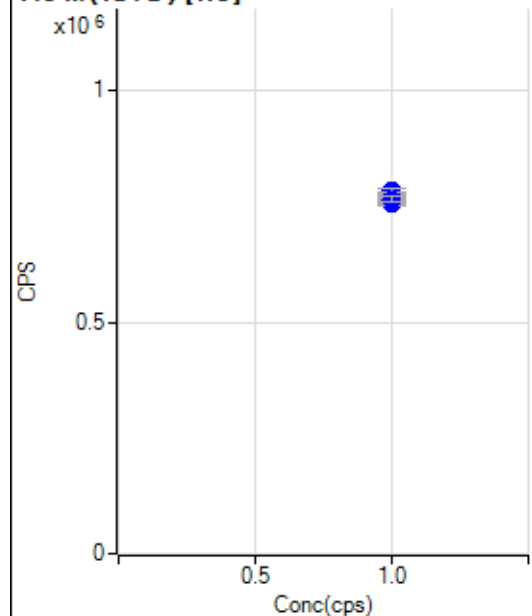
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3751576.04		A	1.1
2	☐	1.000		3707063.67		A	1.4
3	☐	1.000		3734574.43		A	3.7
4	☐	1.000		3733827.04		A	1.3
5	☐	1.000		3814898.52		A	0.9
6	☐	1.000		3743885.46		A	1.2
7	☐	1.000		3784118.75		A	0.2
8	☐	1.000		3638429.64		A	3.2
9	☐	1.000		3604066.92		A	2.3

103 Rh (ISTD) [He]

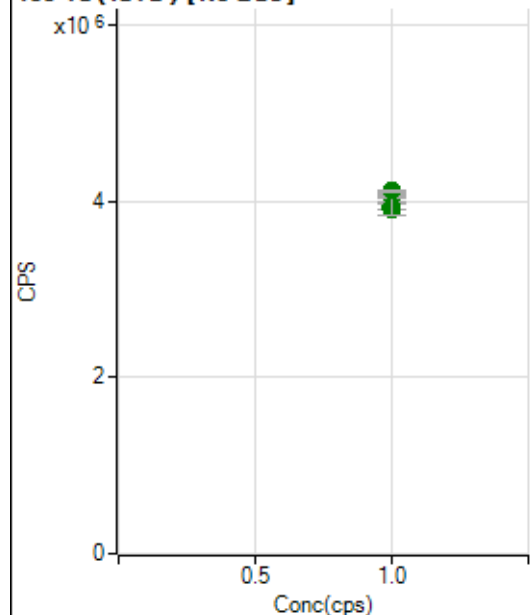
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2161522.33		A	0.8
2	☐	1.000		2107851.65		A	1.5
3	☐	1.000		2151717.75		A	1.7
4	☐	1.000		2133917.59		A	1.2
5	☐	1.000		2125326.01		A	1.7
6	☐	1.000		2120943.91		A	0.6
7	☐	1.000		2184781.81		A	2.5
8	☐	1.000		2094813.16		A	2.2
9	☐	1.000		2077970.65		A	2.5

115 In (ISTD) [No Gas]

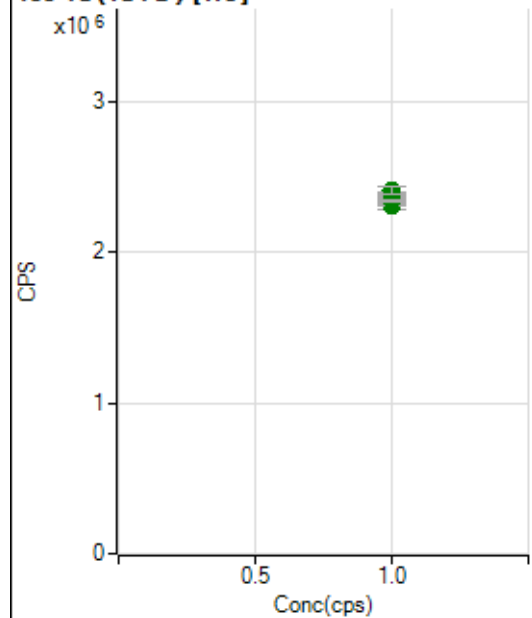
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3674780.41		A	0.8
2	☐	1.000		3585602.85		A	2.1
3	☐	1.000		3637708.76		A	4.4
4	☐	1.000		3611798.72		A	1.0
5	☐	1.000		3708757.34		A	1.4
6	☐	1.000		3609163.26		A	1.6
7	☐	1.000		3711667.99		A	2.0
8	☐	1.000		3507435.46		A	3.7
9	☐	1.000		3639658.73		A	0.9

115 In (ISTD) [He]

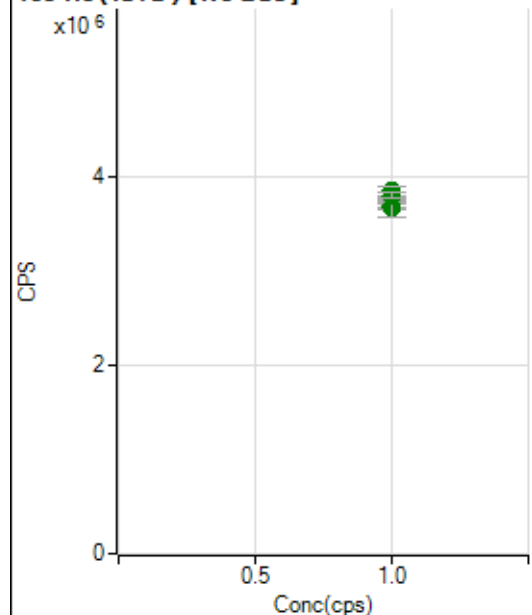
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		772751.39		P	0.4
2	☐	1.000		757210.87		P	1.1
3	☐	1.000		768475.34		P	0.9
4	☐	1.000		774669.68		P	0.5
5	☐	1.000		764740.92		P	0.1
6	☐	1.000		767672.94		P	1.8
7	☐	1.000		782857.89		P	0.9
8	☐	1.000		757731.67		P	2.3
9	☐	1.000		765097.39		P	1.8

159 Tb (ISTD) [No Gas]

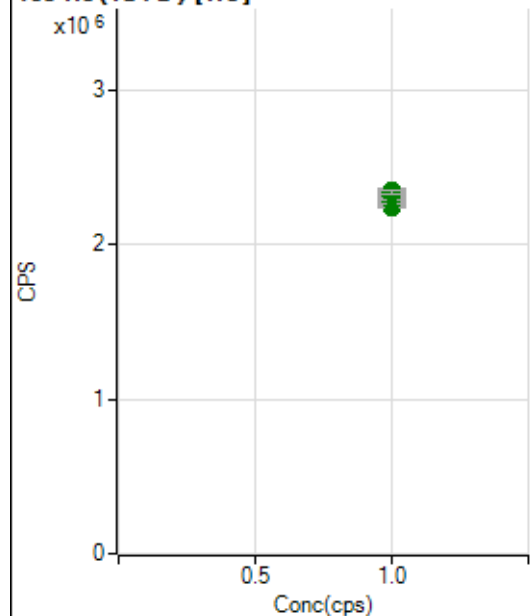
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4050043.55		A	0.6
2	☐	1.000		3933880.95		A	1.6
3	☐	1.000		3943122.48		A	1.9
4	☐	1.000		3907480.05		A	3.0
5	☐	1.000		4072648.76		A	0.8
6	☐	1.000		3996486.33		A	0.4
7	☐	1.000		4066513.90		A	0.3
8	☐	1.000		3931263.83		A	4.9
9	☐	1.000		4117750.22		A	0.6

159 Tb (ISTD) [He]

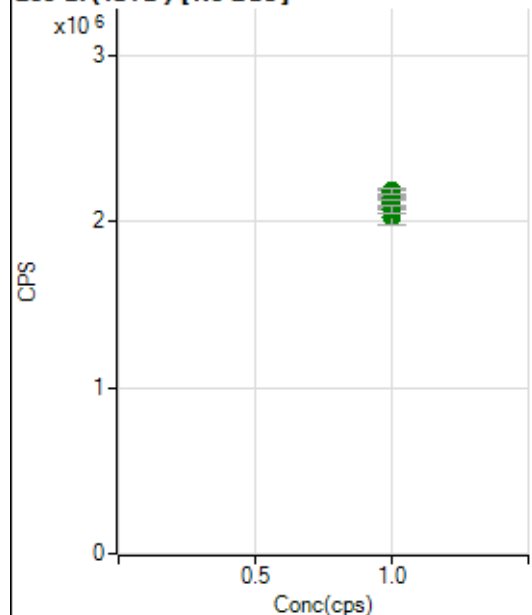
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2364673.12		A	0.7
2	☐	1.000		2314656.75		A	2.3
3	☐	1.000		2356919.15		A	2.5
4	☐	1.000		2361662.29		A	1.0
5	☐	1.000		2311856.25		A	0.3
6	☐	1.000		2351908.35		A	0.9
7	☐	1.000		2381319.31		A	1.7
8	☐	1.000		2342661.28		A	0.6
9	☐	1.000		2405157.79		A	2.1

165 Ho (ISTD) [No Gas]

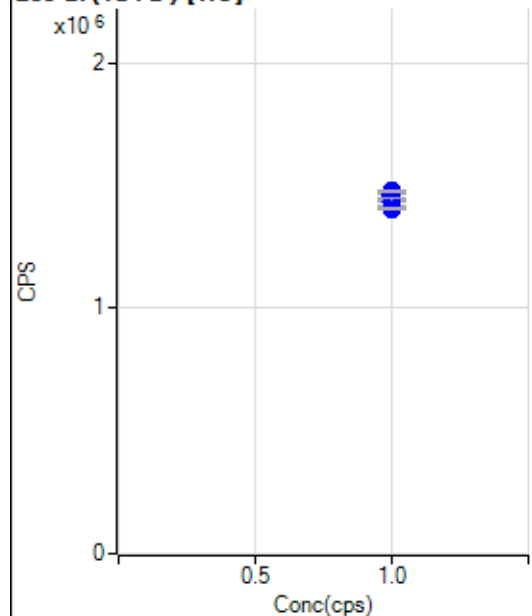
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3733553.47		A	0.7
2	☐	1.000		3683570.83		A	1.5
3	☐	1.000		3702840.36		A	1.5
4	☐	1.000		3676353.77		A	1.8
5	☐	1.000		3720530.25		A	2.5
6	☐	1.000		3686802.47		A	2.7
7	☐	1.000		3842261.20		A	2.5
8	☐	1.000		3664831.85		A	5.6
9	☐	1.000		3797970.27		A	1.8

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2290549.27		A	2.4
2	☐	1.000		2241846.74		A	0.8
3	☐	1.000		2273910.45		A	0.4
4	☐	1.000		2293457.34		A	0.9
5	☐	1.000		2275142.66		A	1.3
6	☐	1.000		2322856.43		A	1.2
7	☐	1.000		2346042.64		A	1.3
8	☐	1.000		2310385.71		A	2.0
9	☐	1.000		2335490.09		A	0.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2171768.49		A	1.3
2	☐	1.000		2139809.72		A	0.5
3	☐	1.000		2119519.43		A	2.2
4	☐	1.000		2104897.31		A	2.2
5	☐	1.000		2143865.49		A	1.4
6	☐	1.000		2105798.88		A	1.6
7	☐	1.000		2181495.78		A	1.9
8	☐	1.000		2021082.71		A	4.8
9	☐	1.000		2068572.18		A	2.2

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1476064.39		P	0.5
2	☐	1.000		1435459.16		P	0.3
3	☐	1.000		1459345.29		P	0.8
4	☐	1.000		1466528.69		P	0.3
5	☐	1.000		1444972.20		P	0.5
6	☐	1.000		1466499.84		P	1.8
7	☐	1.000		1479635.52		P	0.6
8	☐	1.000		1434446.07		P	2.6
9	☐	1.000		1407229.56		P	1.0