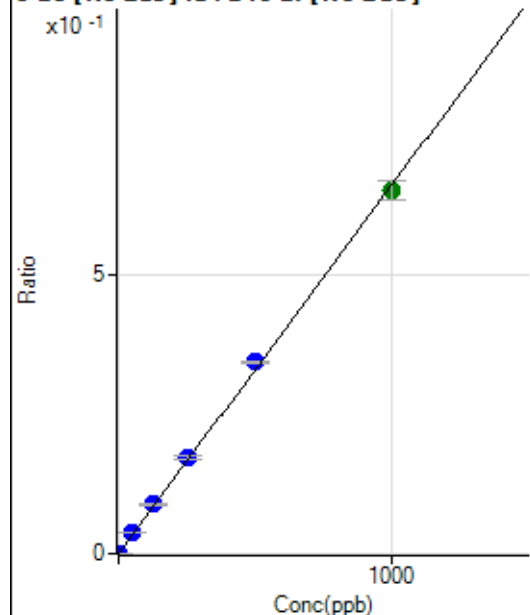


Calibration for 011CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7122022 MS.b\  
 Analysis File: P7122022 MS.batch.bin  
 DA Date-Time: 2022-12-21 00:54:28  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2022-12-20 12:35:17
2	005CALS.d	S02	2022-12-20 12:38:10
3	006CALS.d	S03	2022-12-20 12:41:05
4	007CALS.d	S04	2022-12-20 12:43:48
5	008CALS.d	S05	2022-12-20 12:46:35
6	009CALS.d	S06	2022-12-20 12:49:20
7	010CALS.d	S07	2022-12-20 12:52:07
8	011CALS.d	S08	2022-12-20 12:54:52

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	100.00	0.0000	P	3.5
2	<input type="checkbox"/>	1.000	1.027	2064.60	0.0007	P	3.5
3	<input type="checkbox"/>	50.000	55.492	104315.51	0.0368	P	2.1
4	<input type="checkbox"/>	125.000	133.806	246918.53	0.0887	P	2.8
5	<input type="checkbox"/>	250.000	261.531	473706.43	0.1733	P	2.8
6	<input type="checkbox"/>	500.000	521.062	898942.24	0.3453	P	1.3
7	<input type="checkbox"/>	1000.000	985.211	1716067.47	0.6528	A	5.3
8	<input type="checkbox"/>			517.79	0.0002	P	15.8

$$y = 6.6257\text{E-}004 * x + 3.4548\text{E-}005$$

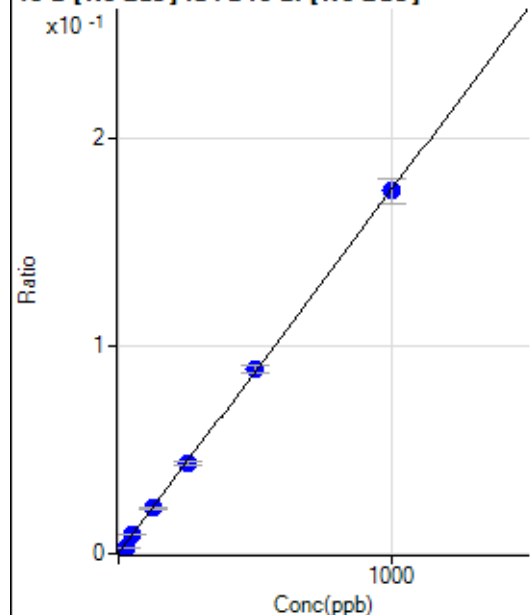
$$R = 0.9996$$

$$DL = 0.00542$$

$$BEC = 0.05214$$

Weight: &lt;None&gt;

Min Conc: 0

**10 B [No Gas] ISTD:6 Li [No Gas]**

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	619.47	0.0002	P	10.7
2	<input type="checkbox"/>	25.000	16.084	8755.44	0.0030	P	8.8
3	<input type="checkbox"/>	50.000	51.824	26350.70	0.0093	P	4.8
4	<input type="checkbox"/>	125.000	123.372	60800.60	0.0218	P	7.4
5	<input type="checkbox"/>	250.000	247.034	118912.56	0.0435	P	5.6
6	<input type="checkbox"/>	500.000	507.641	232284.18	0.0892	P	4.6
7	<input type="checkbox"/>	1000.000	997.256	459909.02	0.1750	P	7.1
8	<input type="checkbox"/>			13998.29	0.0056	P	11.5

$$y = 1.7529\text{E-}004 * x + 2.1389\text{E-}004$$

$$R = 0.9999$$

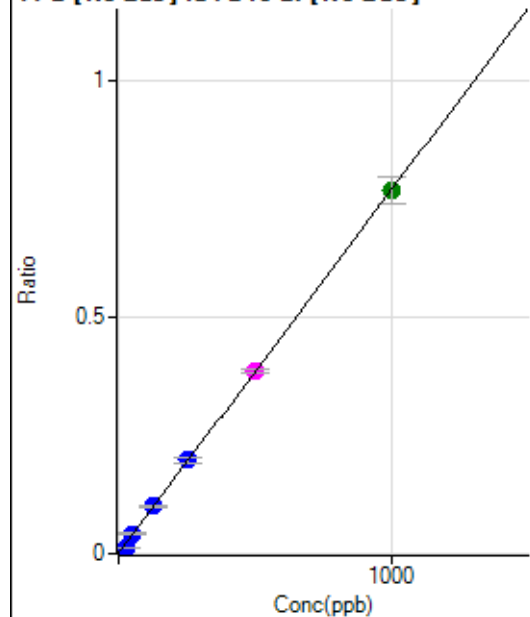
$$DL = 0.3905$$

$$BEC = 1.22$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	2536.38	0.0009	P	5.2
2	<input type="checkbox"/>	25.000	16.504	39152.95	0.0136	P	7.3
3	<input type="checkbox"/>	50.000	53.269	118540.85	0.0418	P	4.6
4	<input type="checkbox"/>	125.000	129.083	278697.11	0.1001	P	5.2
5	<input type="checkbox"/>	250.000	256.701	541675.57	0.1982	P	5.3
6	<input type="checkbox"/>	500.000	501.209	1005453.09	0.3862	M	1.6
7	<input type="checkbox"/>	1000.000	997.259	2016760.79	0.7675	A	7.3
8	<input type="checkbox"/>			63930.37	0.0258	P	12.9

$$y = 7.6874\text{E-}004 * x + 8.7646\text{E-}004$$

$$R = 0.9999$$

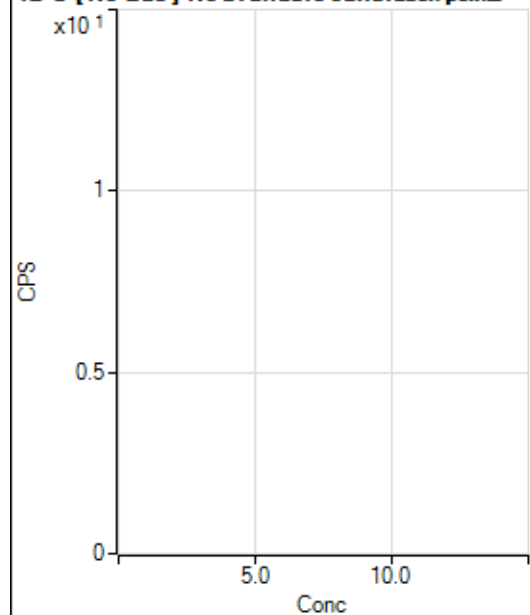
$$DL = 0.1768$$

$$BEC = 1.14$$

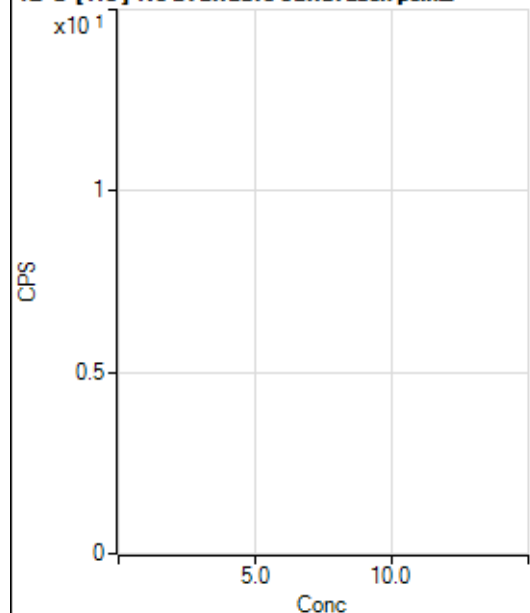
Weight: &lt;None&gt;

Min Conc: 0

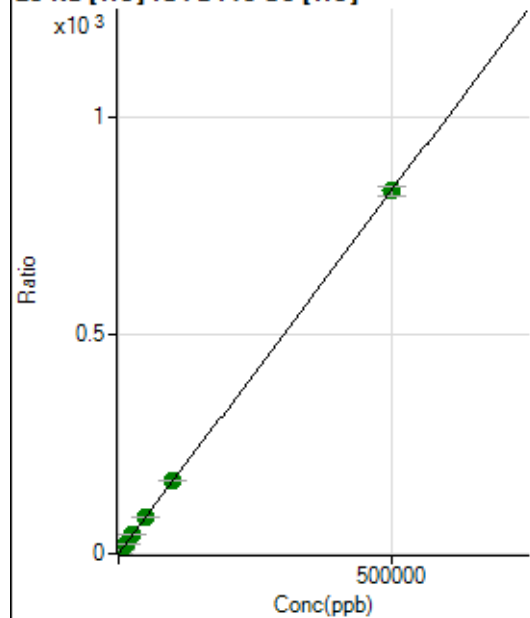
12 C [No Gas] No available calibration points



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>						
2	<input type="checkbox"/>						
3	<input type="checkbox"/>						
4	<input type="checkbox"/>						
5	<input type="checkbox"/>						
6	<input type="checkbox"/>						
7	<input type="checkbox"/>						
8	<input type="checkbox"/>						

**12 C [He] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>						
2	<input type="checkbox"/>						
3	<input type="checkbox"/>						
4	<input type="checkbox"/>						
5	<input type="checkbox"/>						
6	<input type="checkbox"/>						
7	<input type="checkbox"/>						
8	<input type="checkbox"/>						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	15793.47	0.0378	P	5.6
2	<input type="checkbox"/>	500.000	474.417	349034.64	0.8264	P	0.4
3	<input type="checkbox"/>	5000.000	5180.225	3620902.31	8.6487	A	2.0
4	<input type="checkbox"/>	12500.000	12907.827	8697298.29	21.4940	A	1.7
5	<input type="checkbox"/>	25000.000	25884.743	16977347.72	43.0651	A	0.6
6	<input type="checkbox"/>	50000.000	50998.831	33286491.95	84.8115	A	0.5
7	<input type="checkbox"/>	100000.00	100217.66	65458441.28	166.6264	A	1.7
8	<input type="checkbox"/>	500000.00	499800.37	310255132.8	830.8401	A	2.8

$$y = 0.0017 * x + 0.0378$$

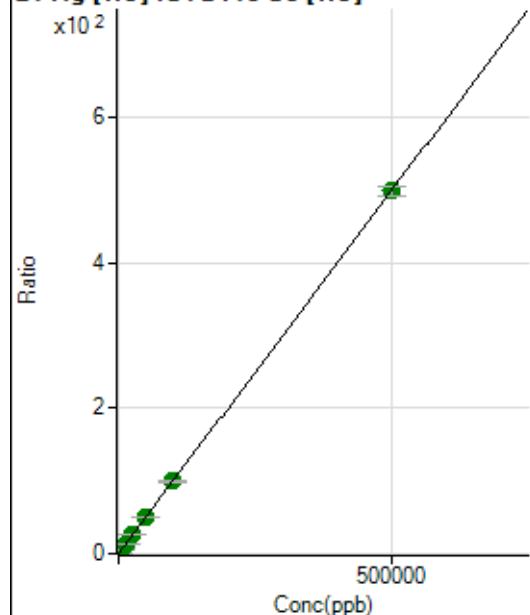
$$R = 1.0000$$

$$DL = 3.838$$

$$BEC = 22.71$$

Weight: &lt;None&gt;

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	646.32	0.0015	P	16.3
2	<input type="checkbox"/>	500.000	480.266	203264.03	0.4812	P	0.1
3	<input type="checkbox"/>	5000.000	5677.743	2374824.30	5.6725	A	1.1
4	<input type="checkbox"/>	12500.000	13030.563	5267298.84	13.0165	A	0.7
5	<input type="checkbox"/>	25000.000	26171.754	10305695.95	26.1419	A	0.4
6	<input type="checkbox"/>	50000.000	50700.091	19875557.39	50.6407	A	0.4
7	<input type="checkbox"/>	100000.00	100260.59	39336875.88	100.1417	A	2.6
8	<input type="checkbox"/>	500000.00	499799.26	186412200.4	499.2003	A	2.6

$$y = 9.9880\text{E-}004 * x + 0.0015$$

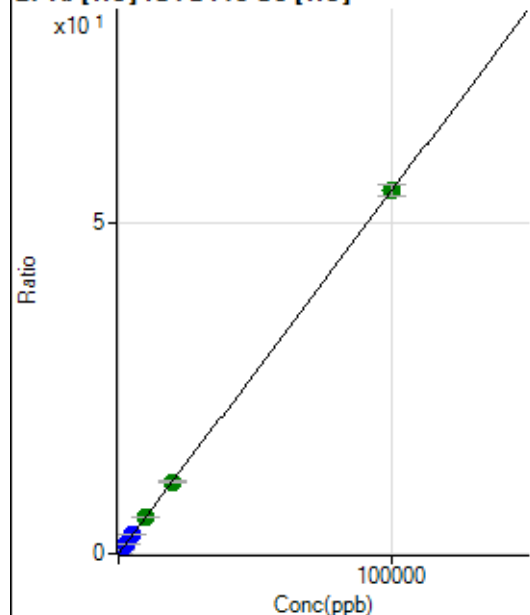
$$R = 1.0000$$

$$DL = 0.7571$$

$$BEC = 1.548$$

Weight: &lt;None&gt;

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	633.36	0.0015	P	13.3
2	<input type="checkbox"/>	20.000	16.913	4560.00	0.0108	P	4.4
3	<input type="checkbox"/>	1000.000	1060.175	244245.65	0.5834	P	0.8
4	<input type="checkbox"/>	2500.000	2572.523	571938.50	1.4134	P	1.5
5	<input type="checkbox"/>	5000.000	5174.935	1120303.97	2.8418	P	0.6
6	<input type="checkbox"/>	10000.000	10072.100	2170337.85	5.5296	A	1.2
7	<input type="checkbox"/>	20000.000	19849.522	4280210.80	10.8960	A	2.2
8	<input type="checkbox"/>	100000.00	100011.72	20496043.98	54.8932	A	3.1

$$y = 5.4885\text{E-}004 * x + 0.0015$$

$$R = 1.0000$$

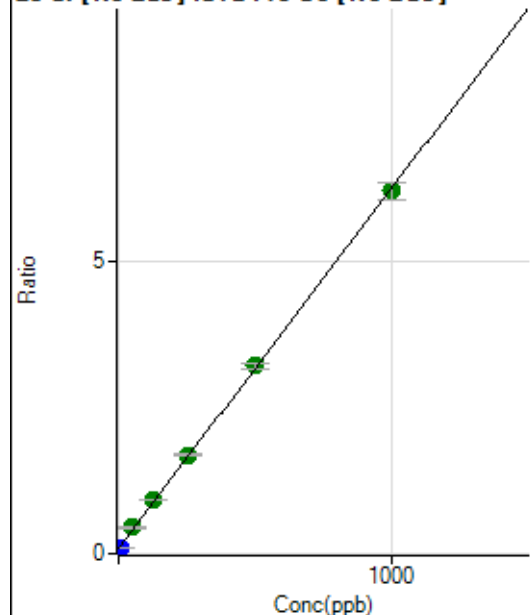
$$DL = 1.098$$

$$BEC = 2.755$$

Weight: &lt;None&gt;

Min Conc: 0

28 Si [No Gas] ISTD:45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	442334.12	0.0912	P	0.9
2	<input type="checkbox"/>	10.000	1.042	491612.06	0.0976	P	1.7
3	<input type="checkbox"/>	50.000	57.764	2229933.60	0.4464	A	2.7
4	<input type="checkbox"/>	125.000	133.085	4367090.60	0.9095	A	1.2
5	<input type="checkbox"/>	250.000	259.809	7882328.74	1.6888	A	1.4
6	<input type="checkbox"/>	500.000	506.736	14456349.11	3.2071	A	2.4
7	<input type="checkbox"/>	1000.000	992.871	29049241.62	6.1963	A	5.0
8	<input type="checkbox"/>			566728.98	0.1211	P	8.7

$$y = 0.0061 * x + 0.0912$$

$$R = 0.9998$$

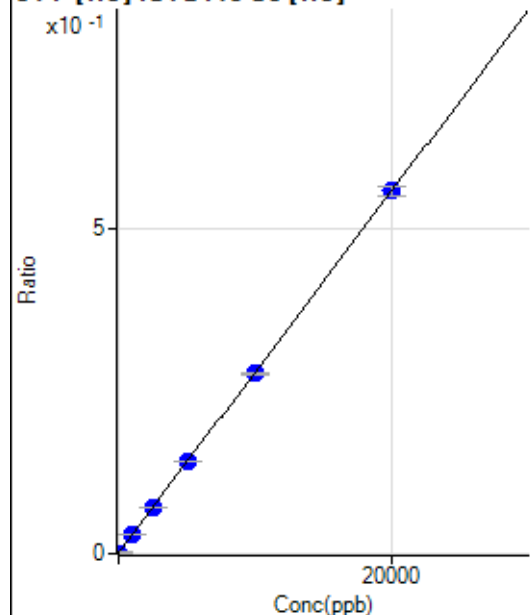
$$DL = 0.3816$$

$$BEC = 14.83$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	-9.331	394.46	0.0009	P	7.6
2	<input type="checkbox"/>	0.000	9.331	616.69	0.0015	P	28.8
3	<input type="checkbox"/>	1000.000	1016.393	12313.58	0.0294	P	1.3
4	<input type="checkbox"/>	2500.000	2525.859	28850.06	0.0713	P	2.2
5	<input type="checkbox"/>	5000.000	5067.251	55911.10	0.1418	P	0.7
6	<input type="checkbox"/>	10000.000	9928.635	108615.00	0.2767	P	0.9
7	<input type="checkbox"/>	20000.000	20014.818	218657.13	0.5566	P	2.4
8	<input type="checkbox"/>			458.36	0.0012	P	12.1

$$y = 2.7752E-005 * x + 0.0012$$

$$R = 1.0000$$

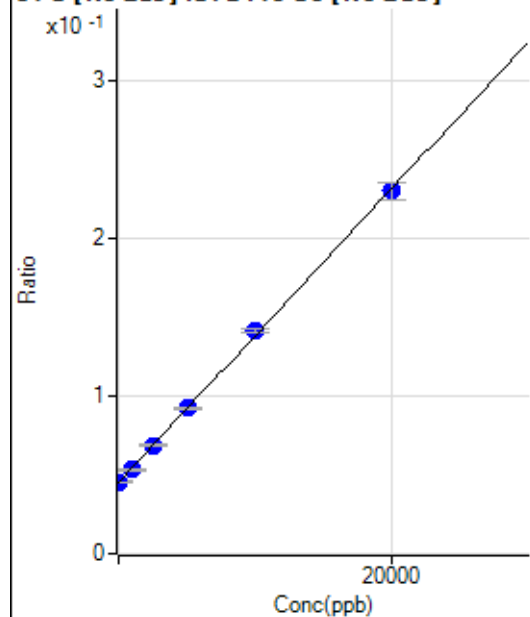
$$DL = 26.59$$

$$BEC = 43.31$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	27.436	220511.88	0.0455	P	1.6
2	<input type="checkbox"/>	0.000	-27.436	226451.16	0.0450	P	0.9
3	<input type="checkbox"/>	1000.000	892.244	267336.33	0.0535	P	2.3
4	<input type="checkbox"/>	2500.000	2524.479	329831.70	0.0687	P	2.2
5	<input type="checkbox"/>	5000.000	5051.939	430445.54	0.0922	P	0.9
6	<input type="checkbox"/>	10000.000	10293.500	635596.38	0.1410	P	1.4
7	<input type="checkbox"/>	20000.000	19842.593	1077718.54	0.2299	P	4.5
8	<input type="checkbox"/>			194205.02	0.0414	P	4.8

$$y = 9.3054E-006 * x + 0.0452$$

R = 0.9998

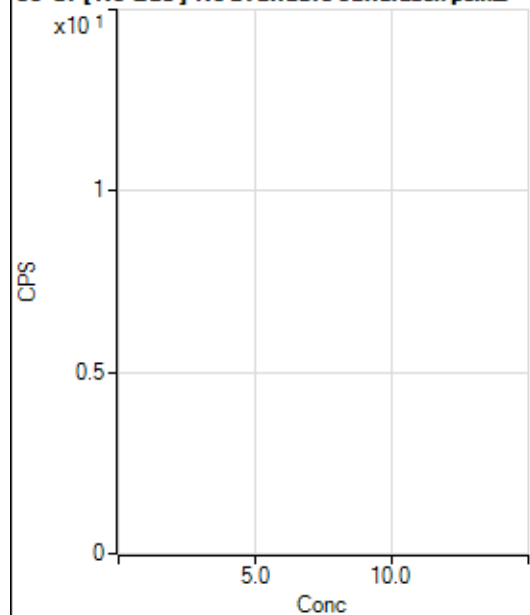
DL = 185

BEC = 4859

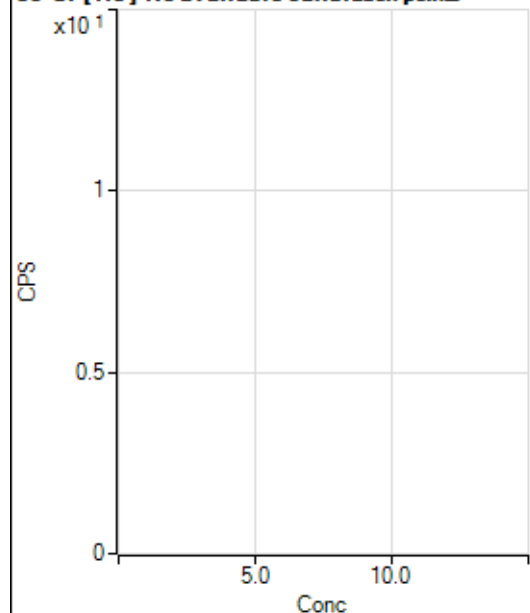
Weight: &lt;None&gt;

Min Conc: 0

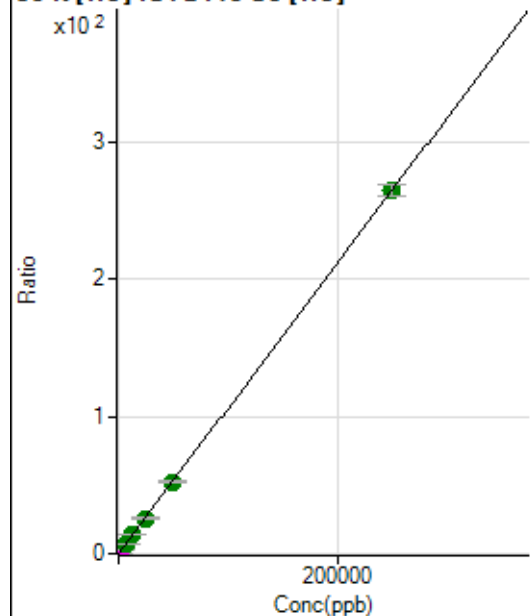
35 Cl [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>						
2	<input type="checkbox"/>						
3	<input type="checkbox"/>						
4	<input type="checkbox"/>						
5	<input type="checkbox"/>						
6	<input type="checkbox"/>						
7	<input type="checkbox"/>						
8	<input type="checkbox"/>						

**35 Cl [He] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>						
2	<input type="checkbox"/>						
3	<input type="checkbox"/>						
4	<input type="checkbox"/>						
5	<input type="checkbox"/>						
6	<input type="checkbox"/>						
7	<input type="checkbox"/>						
8	<input type="checkbox"/>						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	40075.57	0.0958	P	1.8
2	<input type="checkbox"/>	500.000	485.901	257057.27	0.6086	P	0.8
3	<input type="checkbox"/>	2500.000	2605.252	1191329.88	2.8455	M	3.6
4	<input type="checkbox"/>	6250.000	6222.169	2696184.33	6.6629	A	1.3
5	<input type="checkbox"/>	12500.000	12616.794	5287446.47	13.4121	A	1.1
6	<input type="checkbox"/>	25000.000	24445.946	10164327.49	25.8971	A	1.1
7	<input type="checkbox"/>	50000.000	49394.261	20517452.89	52.2286	A	1.9
8	<input type="checkbox"/>	250000.00	250170.38	98620910.54	264.1363	A	3.3

$$y = 0.0011 * x + 0.0958$$

$$R = 1.0000$$

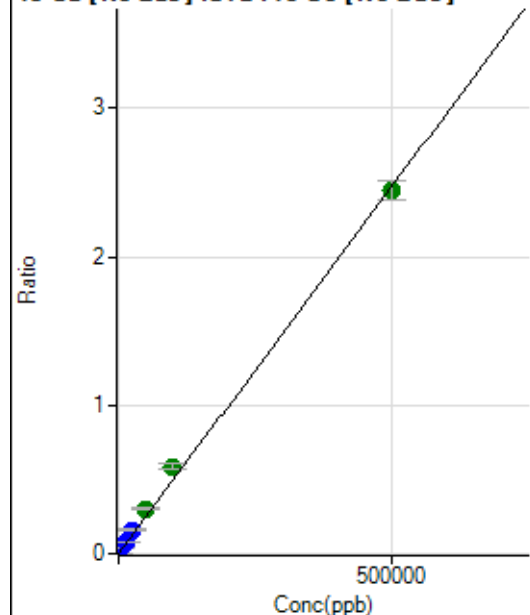
$$DL = 4.969$$

$$BEC = 90.75$$

Weight: &lt;None&gt;

Min Conc: 0



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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	111.11	0.0000	P	15.2
2	<input type="checkbox"/>	500.000	516.705	12978.13	0.0026	P	1.3
3	<input type="checkbox"/>	5000.000	6644.024	164147.70	0.0329	P	2.5
4	<input type="checkbox"/>	12500.000	16239.051	385432.59	0.0803	P	1.8
5	<input type="checkbox"/>	25000.000	32508.838	750028.30	0.1607	P	2.0
6	<input type="checkbox"/>	50000.000	61526.980	1370720.92	0.3041	A	2.8
7	<input type="checkbox"/>	100000.00	118830.46	2752765.71	0.5873	A	6.0
8	<input type="checkbox"/>	500000.00	494595.83	11455567.18	2.4444	A	5.4

$$y = 4.9422\text{E-}006 * x + 2.2897\text{E-}005$$

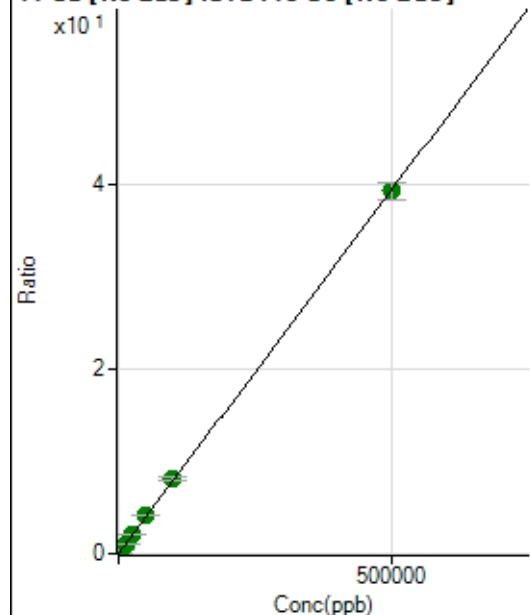
$$R = 0.9991$$

$$DL = 2.107$$

$$BEC = 4.633$$

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	7854.27	0.0016	P	4.0
2	<input type="checkbox"/>	500.000	527.423	217030.35	0.0431	P	3.0
3	<input type="checkbox"/>	5000.000	5487.149	2163580.42	0.4331	A	2.7
4	<input type="checkbox"/>	12500.000	13471.829	5094357.43	1.0610	A	1.4
5	<input type="checkbox"/>	25000.000	26428.833	9708406.23	2.0800	A	0.8
6	<input type="checkbox"/>	50000.000	52914.502	18764308.02	4.1628	A	2.7
7	<input type="checkbox"/>	100000.00	103067.82	38007929.23	8.1068	A	4.8
8	<input type="checkbox"/>	500000.00	498994.34	183930183.3	39.2422	A	5.1

$$y = 7.8639\text{E-}005 * x + 0.0016$$

$$R = 1.0000$$

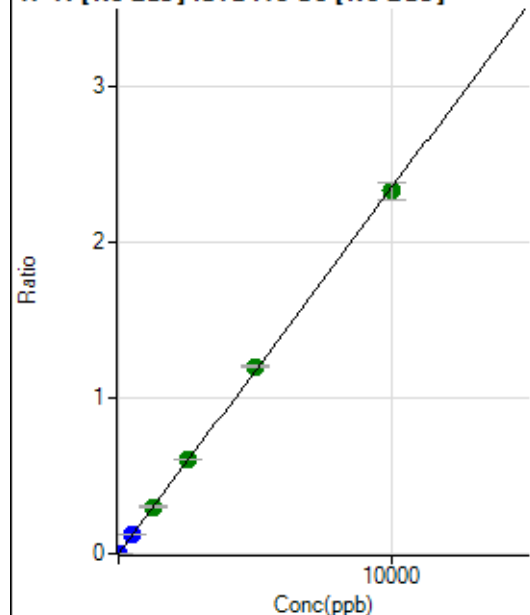
$$DL = 2.5$$

$$BEC = 20.59$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	163.89	0.0000	P	28.1
2	<input type="checkbox"/>	5.000	4.762	5795.72	0.0012	P	2.9
3	<input type="checkbox"/>	500.000	527.949	618662.61	0.1239	P	3.1
4	<input type="checkbox"/>	1250.000	1273.787	1434366.56	0.2988	A	3.1
5	<input type="checkbox"/>	2500.000	2556.754	2798973.63	0.5997	A	0.5
6	<input type="checkbox"/>	5000.000	5123.382	5416674.81	1.2016	A	1.7
7	<input type="checkbox"/>	10000.000	9919.750	10907167.52	2.3265	A	4.9
8	<input type="checkbox"/>			2530.83	0.0005	P	4.6

$$y = 2.3453\text{E-}004 * x + 3.3794\text{E-}005$$

$$R = 0.9999$$

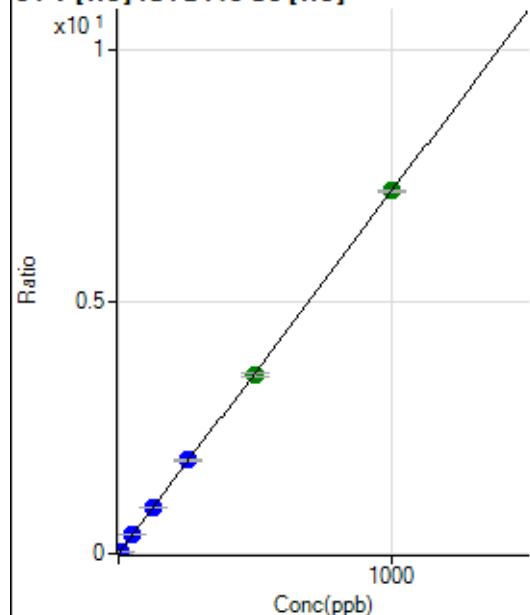
$$DL = 0.1214$$

$$BEC = 0.1441$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	8.89	0.0000	P	93.8
2	<input type="checkbox"/>	5.000	4.721	14341.34	0.0340	P	0.5
3	<input type="checkbox"/>	50.000	51.469	154879.79	0.3699	P	0.8
4	<input type="checkbox"/>	125.000	127.619	371184.48	0.9173	P	0.5
5	<input type="checkbox"/>	250.000	257.668	730091.88	1.8520	P	0.7
6	<input type="checkbox"/>	500.000	493.167	1391265.55	3.5446	A	1.8
7	<input type="checkbox"/>	1000.000	1001.100	2827147.35	7.1953	A	0.3
8	<input type="checkbox"/>			691.13	0.0019	P	3.7

$$y = 0.0072 * x + 2.1126\text{E-}005$$

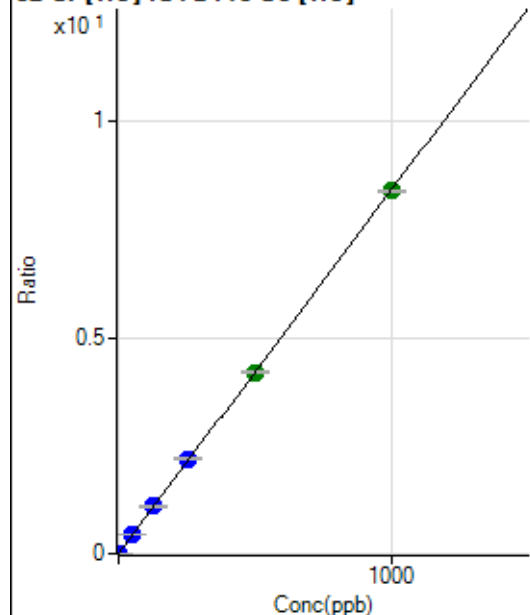
$$R = 0.9999$$

$$DL = 0.008274$$

$$BEC = 0.002939$$

Weight: &lt;None&gt;

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	884.48	0.0021	P	8.8
2	<input type="checkbox"/>	2.000	1.906	7662.01	0.0181	P	1.7
3	<input type="checkbox"/>	50.000	52.712	186485.35	0.4455	P	1.3
4	<input type="checkbox"/>	125.000	129.785	442565.77	1.0937	P	0.8
5	<input type="checkbox"/>	250.000	261.328	867286.85	2.2000	P	0.3
6	<input type="checkbox"/>	500.000	498.164	1645250.31	4.1920	A	0.5
7	<input type="checkbox"/>	1000.000	997.352	3296635.85	8.3904	A	0.6
8	<input type="checkbox"/>			21049.21	0.0564	P	4.2

$$y = 0.0084 * x + 0.0021$$

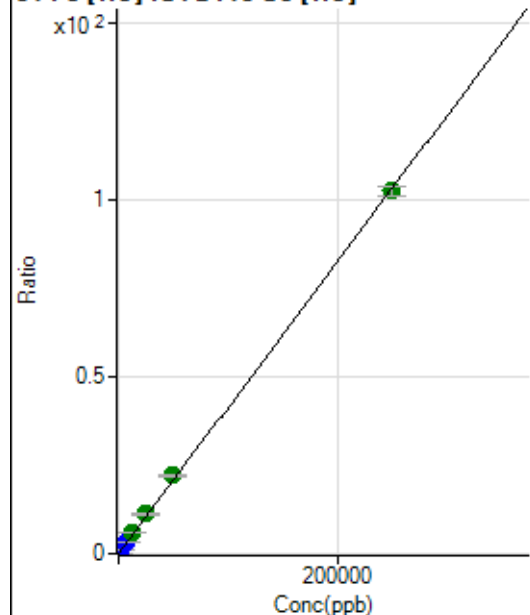
$$R = 0.9999$$

$$DL = 0.06616$$

$$BEC = 0.2513$$

Weight: &lt;None&gt;

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	2289.20	0.0055	P	9.2
2	<input type="checkbox"/>	50.000	52.572	11452.82	0.0271	P	5.0
3	<input type="checkbox"/>	2500.000	3002.120	520011.62	1.2421	P	1.2
4	<input type="checkbox"/>	6250.000	7385.126	1233303.40	3.0476	P	0.6
5	<input type="checkbox"/>	12500.000	14154.002	2300741.57	5.8360	A	1.3
6	<input type="checkbox"/>	25000.000	27061.917	4377359.08	11.1532	A	0.5
7	<input type="checkbox"/>	50000.000	53844.818	8716002.88	22.1859	A	1.6
8	<input type="checkbox"/>	250000.00	248908.74	38289779.68	102.5393	A	2.8

$$y = 4.1193E-004 * x + 0.0055$$

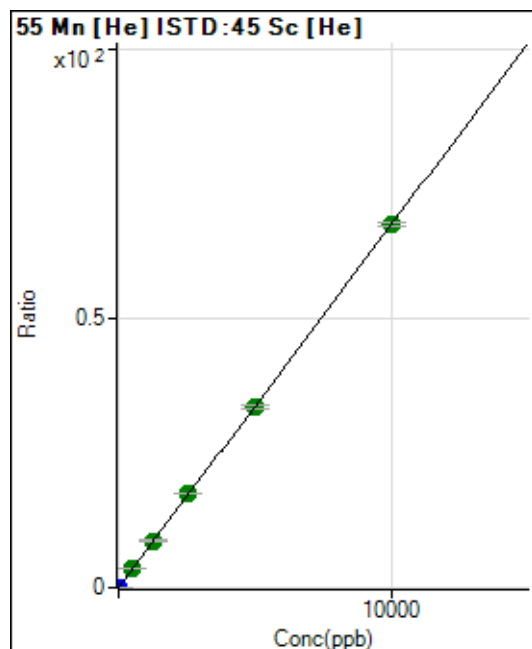
$$R = 0.9999$$

$$DL = 3.65$$

$$BEC = 13.27$$

Weight: &lt;None&gt;

Min Conc: 0



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	95.56	0.0002	P	21.3
2	<input type="checkbox"/>	1.000	1.015	2990.32	0.0071	P	2.5
3	<input type="checkbox"/>	500.000	526.834	1488431.04	3.5551	A	0.7
4	<input type="checkbox"/>	1250.000	1287.144	3514388.18	8.6853	A	1.8
5	<input type="checkbox"/>	2500.000	2600.749	6918141.49	17.5490	A	1.0
6	<input type="checkbox"/>	5000.000	4968.332	13157735.22	33.5244	A	1.3
7	<input type="checkbox"/>	10000.000	9984.662	26468739.60	67.3724	A	1.2
8	<input type="checkbox"/>			25690.85	0.0688	P	1.4

$$y = 0.0067 * x + 2.2843E-004$$

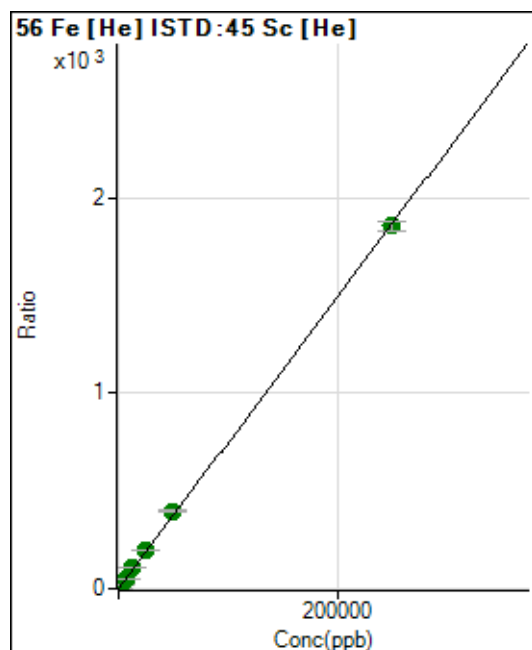
$$R = 0.9999$$

$$DL = 0.02164$$

$$BEC = 0.03385$$

Weight: <None>

Min Conc: 0



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	11723.26	0.0280	P	0.7
2	<input type="checkbox"/>	50.000	52.827	177943.02	0.4213	P	0.7
3	<input type="checkbox"/>	2500.000	2842.788	8872113.28	21.1912	A	2.5
4	<input type="checkbox"/>	6250.000	6953.470	20957597.69	51.7934	A	1.6
5	<input type="checkbox"/>	12500.000	14047.202	41237143.98	104.6029	A	0.7
6	<input type="checkbox"/>	25000.000	26840.227	78434030.46	199.8410	A	0.4
7	<input type="checkbox"/>	50000.000	53013.366	155030259.0	394.6878	A	2.8
8	<input type="checkbox"/>	250000.00	249114.92	692494311.7	1,854.572	A	2.9

$$y = 0.0074 * x + 0.0280$$

$$R = 0.9999$$

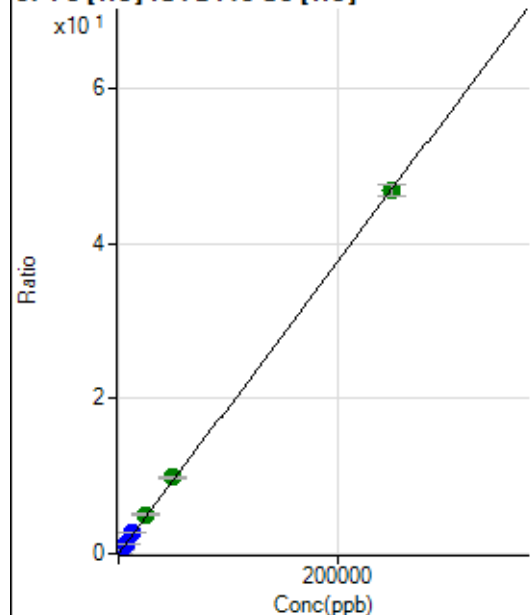
$$DL = 0.08097$$

$$BEC = 3.763$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	261.12	0.0006	P	21.2
2	<input type="checkbox"/>	50.000	54.023	4552.62	0.0108	P	1.3
3	<input type="checkbox"/>	2500.000	2919.205	229944.00	0.5492	P	0.9
4	<input type="checkbox"/>	6250.000	7189.524	547013.19	1.3518	P	0.7
5	<input type="checkbox"/>	12500.000	14418.189	1068456.10	2.7103	P	0.4
6	<input type="checkbox"/>	25000.000	27026.932	1993771.11	5.0800	A	1.7
7	<input type="checkbox"/>	50000.000	52353.001	3864963.17	9.8397	A	2.8
8	<input type="checkbox"/>	250000.00	249203.11	17487296.92	46.8349	A	3.1

$$y = 1.8794\text{E-}004 * x + 6.2489\text{E-}004$$

$$R = 0.9999$$

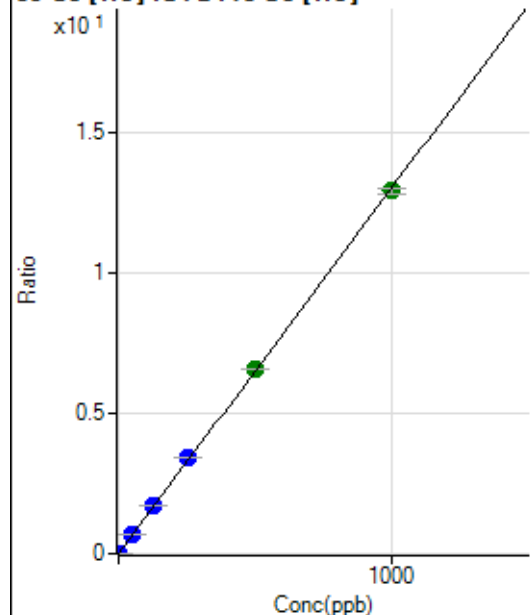
$$DL = 2.11$$

$$BEC = 3.325$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	52.22	0.0001	P	25.4
2	<input type="checkbox"/>	1.000	0.987	5484.39	0.0130	P	2.6
3	<input type="checkbox"/>	50.000	54.283	296208.20	0.7075	P	0.7
4	<input type="checkbox"/>	125.000	132.585	699219.40	1.7279	P	0.6
5	<input type="checkbox"/>	250.000	264.955	1361179.63	3.4529	P	0.5
6	<input type="checkbox"/>	500.000	504.649	2581200.34	6.5765	A	0.1
7	<input type="checkbox"/>	1000.000	992.774	5082726.24	12.9376	A	1.5
8	<input type="checkbox"/>			5554.41	0.0149	P	3.7

$$y = 0.0130 * x + 1.2470\text{E-}004$$

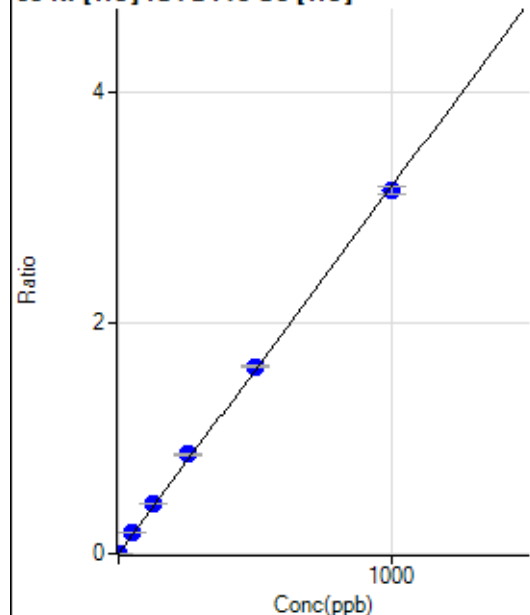
$$R = 0.9999$$

$$DL = 0.007278$$

$$BEC = 0.009569$$

Weight: &lt;None&gt;

Min Conc: 0

**60 Ni [He] ISTD:45 Sc [He]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	70.00	0.0002	P	17.6
2	<input type="checkbox"/>	1.000	0.989	1400.08	0.0033	P	5.3
3	<input type="checkbox"/>	50.000	55.836	74494.81	0.1779	P	0.9
4	<input type="checkbox"/>	125.000	135.847	175086.21	0.4327	P	0.7
5	<input type="checkbox"/>	250.000	269.995	338939.98	0.8598	P	0.9
6	<input type="checkbox"/>	500.000	510.200	637605.76	1.6245	P	0.5
7	<input type="checkbox"/>	1000.000	988.253	1236081.69	3.1466	P	2.0
8	<input type="checkbox"/>			4069.49	0.0109	P	3.4

$$y = 0.0032 * x + 1.6736E-004$$

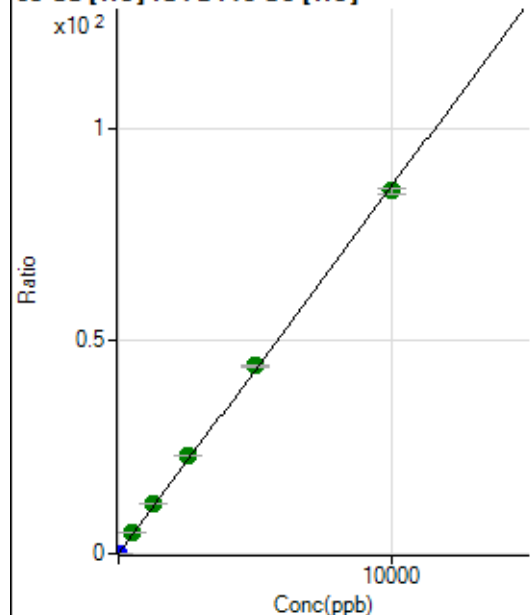
$$R = 0.9997$$

$$DL = 0.02769$$

$$BEC = 0.05257$$

Weight: &lt;None&gt;

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	833.37	0.0020	P	2.2
2	<input type="checkbox"/>	2.000	2.073	8403.51	0.0199	P	1.9
3	<input type="checkbox"/>	500.000	557.172	2015868.42	4.8150	A	0.4
4	<input type="checkbox"/>	1250.000	1365.858	4775262.01	11.8007	A	0.8
5	<input type="checkbox"/>	2500.000	2685.999	9147541.74	23.2044	A	0.3
6	<input type="checkbox"/>	5000.000	5115.456	17343808.77	44.1908	A	0.6
7	<input type="checkbox"/>	10000.000	9878.431	33524784.50	85.3347	A	1.4
8	<input type="checkbox"/>			7710.94	0.0207	P	4.6

$$y = 0.0086 * x + 0.0020$$

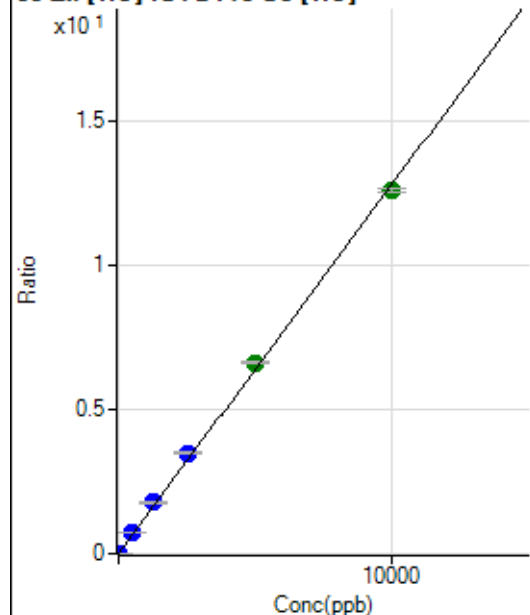
$$R = 0.9997$$

$$DL = 0.01523$$

$$BEC = 0.2305$$

Weight: &lt;None&gt;

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	536.68	0.0013	P	4.9
2	<input type="checkbox"/>	2.000	2.320	1793.46	0.0042	P	2.4
3	<input type="checkbox"/>	500.000	565.780	303065.38	0.7239	P	0.6
4	<input type="checkbox"/>	1250.000	1386.269	716966.44	1.7718	P	0.9
5	<input type="checkbox"/>	2500.000	2736.933	1378516.13	3.4968	P	0.2
6	<input type="checkbox"/>	5000.000	5163.480	2588777.60	6.5959	A	1.1
7	<input type="checkbox"/>	10000.000	9838.704	4937358.67	12.5670	A	1.0
8	<input type="checkbox"/>			3608.25	0.0097	P	1.5

$$y = 0.0013 * x + 0.0013$$

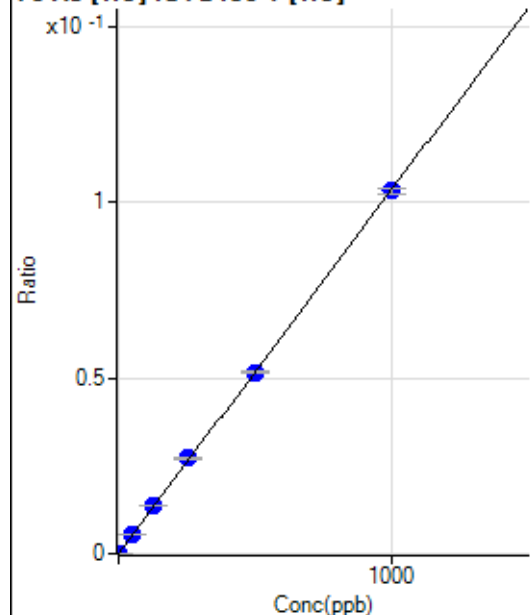
$$R = 0.9995$$

$$DL = 0.1476$$

$$BEC = 1.004$$

Weight: &lt;None&gt;

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	6.79	0.0000	P	95.3
2	<input type="checkbox"/>	1.000	0.964	343.83	0.0001	P	5.8
3	<input type="checkbox"/>	50.000	52.674	18262.49	0.0055	P	2.3
4	<input type="checkbox"/>	125.000	130.792	43414.90	0.0136	P	0.4
5	<input type="checkbox"/>	250.000	261.689	85377.54	0.0271	P	0.4
6	<input type="checkbox"/>	500.000	498.356	163210.94	0.0516	P	1.4
7	<input type="checkbox"/>	1000.000	997.042	322809.16	0.1033	P	1.8
8	<input type="checkbox"/>			89.51	0.0000	P	11.8

$$y = 1.0362E-004 * x + 2.0393E-006$$

$$R = 0.9999$$

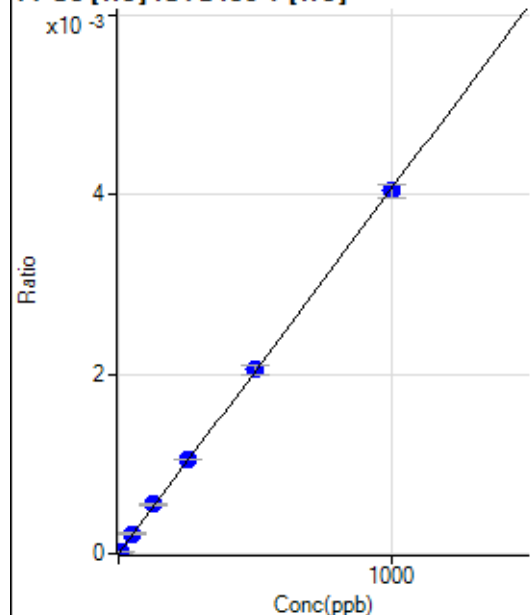
$$DL = 0.05624$$

$$BEC = 0.01968$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	2.22	0.0000	P	86.6
2	<input type="checkbox"/>	5.000	5.588	78.89	0.0000	P	12.5
3	<input type="checkbox"/>	50.000	55.043	750.03	0.0002	P	8.9
4	<input type="checkbox"/>	125.000	134.829	1757.90	0.0005	P	5.7
5	<input type="checkbox"/>	250.000	257.711	3300.40	0.0010	P	1.4
6	<input type="checkbox"/>	500.000	504.890	6487.03	0.0021	P	5.1
7	<input type="checkbox"/>	1000.000	994.144	12625.46	0.0040	P	3.9
8	<input type="checkbox"/>			5.56	0.0000	P	33.0

$$y = 4.0649\text{E-}006 * x + 6.6833\text{E-}007$$

$$R = 0.9999$$

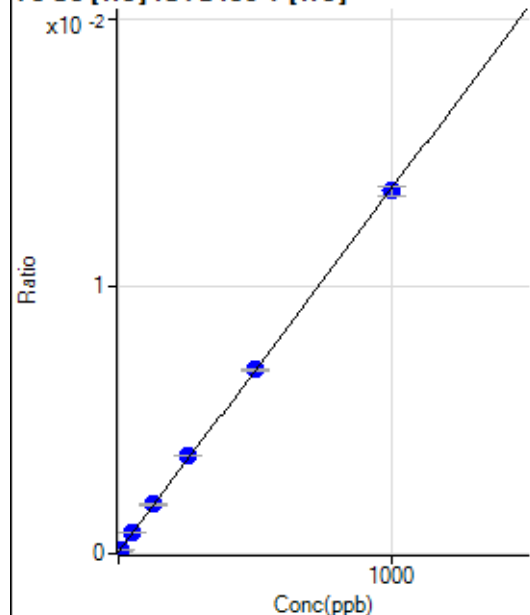
$$DL = 0.4272$$

$$BEC = 0.1644$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	219.14	0.0001	P	15.3
2	<input type="checkbox"/>	5.000	5.333	467.91	0.0001	P	4.0
3	<input type="checkbox"/>	50.000	53.938	2674.95	0.0008	P	3.3
4	<input type="checkbox"/>	125.000	131.131	5924.66	0.0018	P	2.3
5	<input type="checkbox"/>	250.000	264.992	11557.01	0.0037	P	1.0
6	<input type="checkbox"/>	500.000	502.493	21812.33	0.0069	P	0.7
7	<input type="checkbox"/>	1000.000	994.040	42449.30	0.0136	P	2.7
8	<input type="checkbox"/>			225.31	0.0001	P	11.4

$$y = 1.3602\text{E-}005 * x + 6.6197\text{E-}005$$

$$R = 0.9999$$

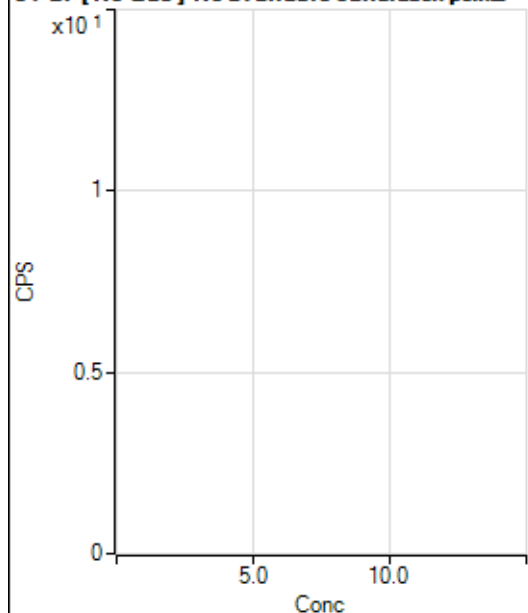
$$DL = 2.233$$

$$BEC = 4.867$$

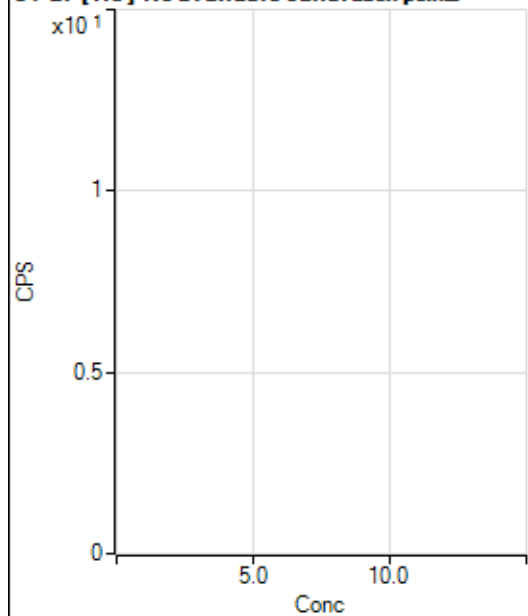
Weight: &lt;None&gt;

Min Conc: 0

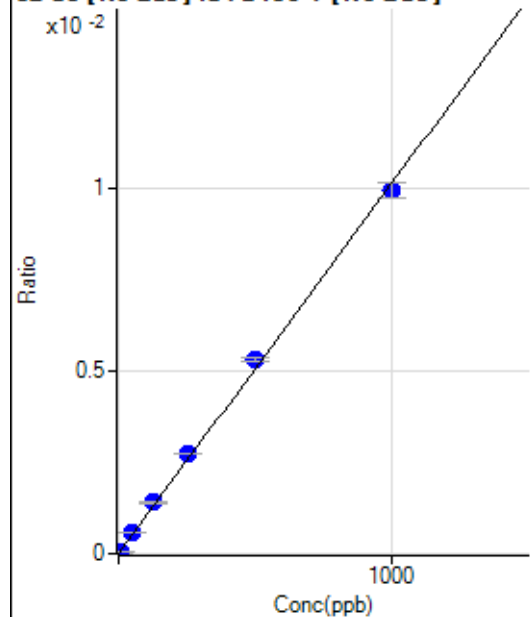


**81 Br [ No Gas ] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>			71842.60		P	0.6
2	<input type="checkbox"/>			75038.99		P	1.4
3	<input type="checkbox"/>			74497.61		P	0.5
4	<input type="checkbox"/>			71685.86		P	2.3
5	<input type="checkbox"/>			68429.07		P	1.5
6	<input type="checkbox"/>			67465.92		P	2.5
7	<input type="checkbox"/>			68640.87		P	0.4
8	<input type="checkbox"/>			67823.19		P	0.5

**81 Br [ He ] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>			96.76		P	53.1
2	<input type="checkbox"/>			133.47		P	49.9
3	<input type="checkbox"/>			113.45		P	10.2
4	<input type="checkbox"/>			136.81		P	16.9
5	<input type="checkbox"/>			116.78		P	13.1
6	<input type="checkbox"/>			110.11		P	0.0
7	<input type="checkbox"/>			130.13		P	33.5
8	<input type="checkbox"/>			113.45		P	35.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	41.27	0.0000	P	17.8
2	<input type="checkbox"/>	5.000	5.073	804.35	0.0001	P	4.1
3	<input type="checkbox"/>	50.000	55.508	8260.05	0.0006	P	1.9
4	<input type="checkbox"/>	125.000	138.227	19818.86	0.0014	P	1.2
5	<input type="checkbox"/>	250.000	270.399	38100.92	0.0027	P	1.6
6	<input type="checkbox"/>	500.000	525.078	73031.05	0.0053	P	1.8
7	<input type="checkbox"/>	1000.000	980.432	141578.99	0.0099	P	4.2
8	<input type="checkbox"/>			328.28	0.0000	P	8.0

$$y = 1.0123E-005 * x + 2.9004E-006$$

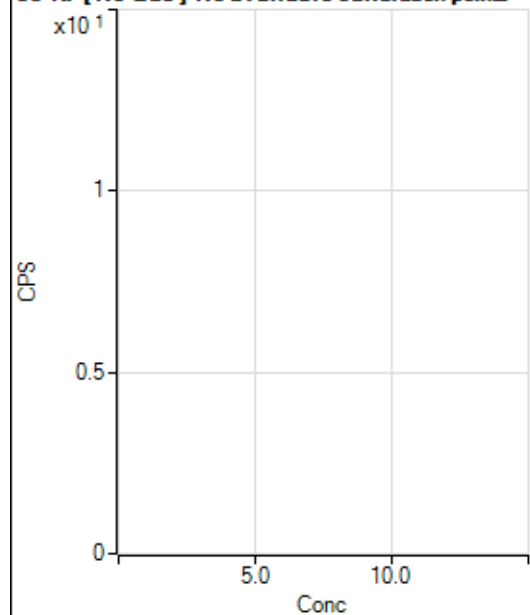
$$R = 0.9993$$

$$DL = 0.1533$$

$$BEC = 0.2865$$

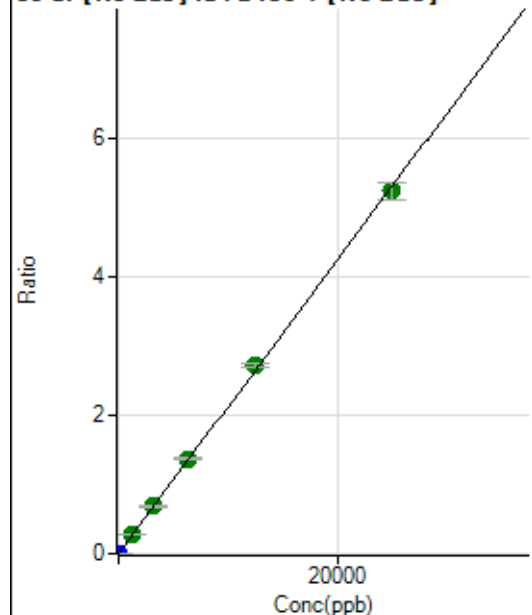
Weight: &lt;None&gt;

Min Conc: 0

**83 Kr [No Gas] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>			134.45		P	6.2
2	<input type="checkbox"/>			116.67		P	12.5
3	<input type="checkbox"/>			130.00		P	7.7
4	<input type="checkbox"/>			137.78		P	18.5
5	<input type="checkbox"/>			107.78		P	9.9
6	<input type="checkbox"/>			138.89		P	20.4
7	<input type="checkbox"/>			187.78		P	11.4
8	<input type="checkbox"/>			243.34		P	4.7

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	258.34	0.0000	P	15.9
2	<input type="checkbox"/>	1.000	0.919	3153.21	0.0002	P	3.8
3	<input type="checkbox"/>	1250.000	1318.751	4084831.21	0.2793	A	1.0
4	<input type="checkbox"/>	3125.000	3237.373	9690212.37	0.6856	A	1.6
5	<input type="checkbox"/>	6250.000	6470.873	19055377.16	1.3704	A	1.2
6	<input type="checkbox"/>	12500.000	12862.386	37404858.48	2.7239	A	2.2
7	<input type="checkbox"/>	25000.000	24746.105	74724750.98	5.2406	A	4.9
8	<input type="checkbox"/>			21602.43	0.0016	P	7.8

$$y = 2.1177E-004 * x + 1.8128E-005$$

R = 0.9998

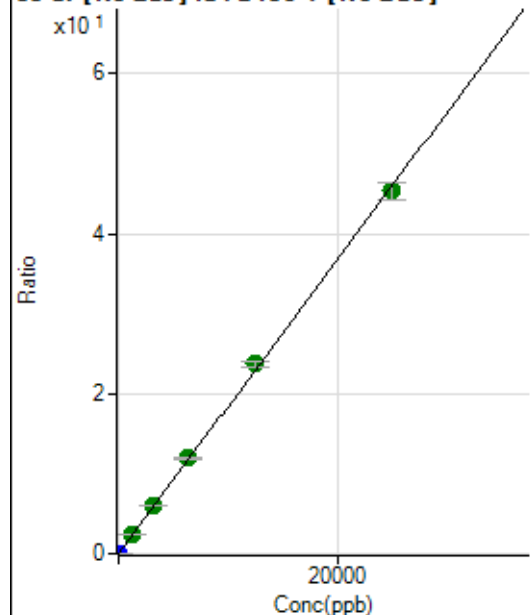
DL = 0.0408

BEC = 0.0856

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	186.12	0.0000	P	9.6
2	<input type="checkbox"/>	1.000	0.949	25995.80	0.0018	P	4.9
3	<input type="checkbox"/>	1250.000	1308.638	35109838.63	2.4010	A	2.7
4	<input type="checkbox"/>	3125.000	3277.565	84993910.93	6.0134	A	1.4
5	<input type="checkbox"/>	6250.000	6527.259	166512256.5	11.9756	A	1.8
6	<input type="checkbox"/>	12500.000	12902.343	325056298.9	23.6719	A	2.1
7	<input type="checkbox"/>	25000.000	24707.511	646423297.7	45.3308	A	4.5
8	<input type="checkbox"/>			185826.88	0.0137	P	7.5

$$y = 0.0018 * x + 1.3073E-005$$

R = 0.9997

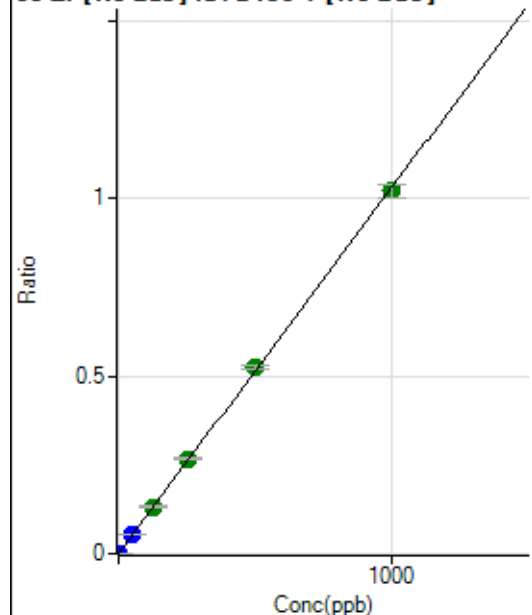
DL = 0.002051

BEC = 0.007126

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	583.36	0.0000	P	8.5
2	<input type="checkbox"/>	1.000	0.927	14766.05	0.0010	P	2.7
3	<input type="checkbox"/>	50.000	53.121	800632.24	0.0548	P	2.8
4	<input type="checkbox"/>	125.000	128.270	1867837.80	0.1321	A	2.1
5	<input type="checkbox"/>	250.000	258.082	3696317.53	0.2658	A	2.1
6	<input type="checkbox"/>	500.000	511.163	7229596.08	0.5265	A	2.4
7	<input type="checkbox"/>	1000.000	991.833	14568164.22	1.0215	A	4.0
8	<input type="checkbox"/>			4014.54	0.0003	P	3.7

$$y = 0.0010 * x + 4.0948E-005$$

$$R = 0.9999$$

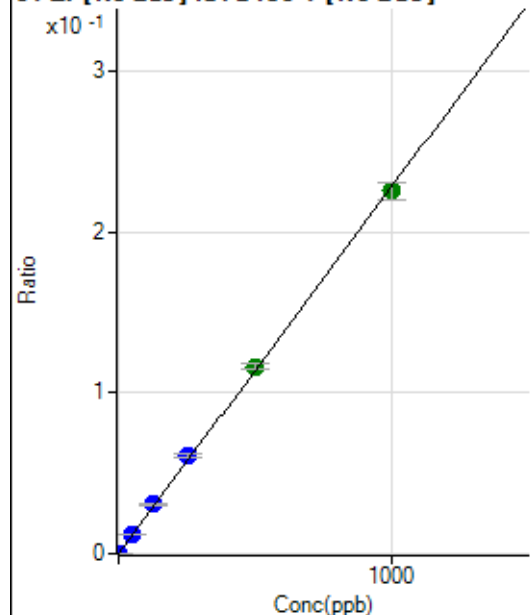
$$DL = 0.0101$$

$$BEC = 0.03976$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	86.11	0.0000	P	15.1
2	<input type="checkbox"/>	1.000	0.965	3347.69	0.0002	P	6.1
3	<input type="checkbox"/>	50.000	53.388	177970.13	0.0122	P	2.8
4	<input type="checkbox"/>	125.000	133.721	430706.87	0.0305	P	2.3
5	<input type="checkbox"/>	250.000	266.912	845585.90	0.0608	P	2.5
6	<input type="checkbox"/>	500.000	510.618	1597499.63	0.1163	A	3.3
7	<input type="checkbox"/>	1000.000	989.204	3213784.49	0.2254	A	4.7
8	<input type="checkbox"/>			927.83	0.0001	P	2.2

$$y = 2.2784E-004 * x + 6.0500E-006$$

$$R = 0.9997$$

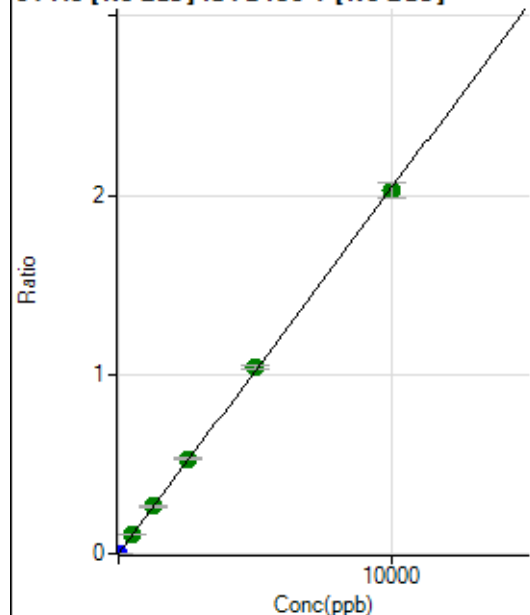
$$DL = 0.01201$$

$$BEC = 0.02655$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	216.68	0.0000	P	14.5
2	<input type="checkbox"/>	5.000	5.621	17232.68	0.0012	P	1.7
3	<input type="checkbox"/>	500.000	523.847	1563388.68	0.1069	A	2.5
4	<input type="checkbox"/>	1250.000	1288.804	3717080.81	0.2630	A	2.4
5	<input type="checkbox"/>	2500.000	2581.861	7325542.27	0.5269	A	1.9
6	<input type="checkbox"/>	5000.000	5101.770	14295399.28	1.0411	A	2.2
7	<input type="checkbox"/>	10000.000	9922.607	28874556.55	2.0248	A	4.3
8	<input type="checkbox"/>			9900.84	0.0007	P	7.2

$$y = 2.0406\text{E-}004 * x + 1.5203\text{E-}005$$

$$R = 0.9999$$

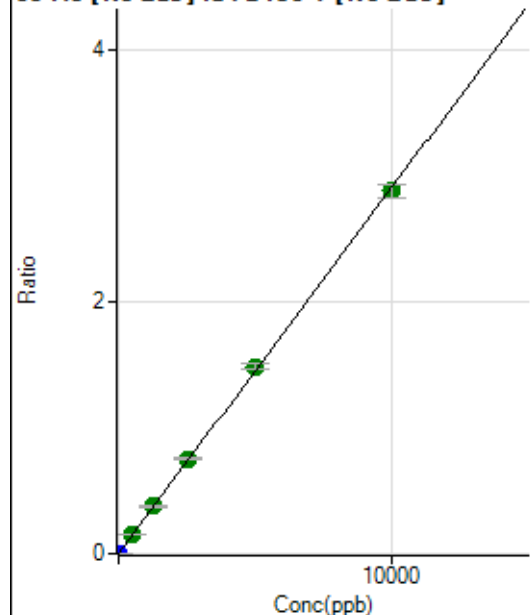
$$DL = 0.03234$$

$$BEC = 0.07451$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	47.22	0.0000	P	21.2
2	<input type="checkbox"/>	5.000	4.974	21477.38	0.0014	P	3.2
3	<input type="checkbox"/>	500.000	526.711	2238214.31	0.1531	A	3.6
4	<input type="checkbox"/>	1250.000	1297.341	5328552.55	0.3770	A	2.7
5	<input type="checkbox"/>	2500.000	2597.234	10494429.49	0.7548	A	2.3
6	<input type="checkbox"/>	5000.000	5100.569	20353722.16	1.4823	A	3.1
7	<input type="checkbox"/>	10000.000	9918.154	41109489.81	2.8823	A	3.5
8	<input type="checkbox"/>			11974.73	0.0009	P	9.9

$$y = 2.9061\text{E-}004 * x + 3.3202\text{E-}006$$

$$R = 0.9999$$

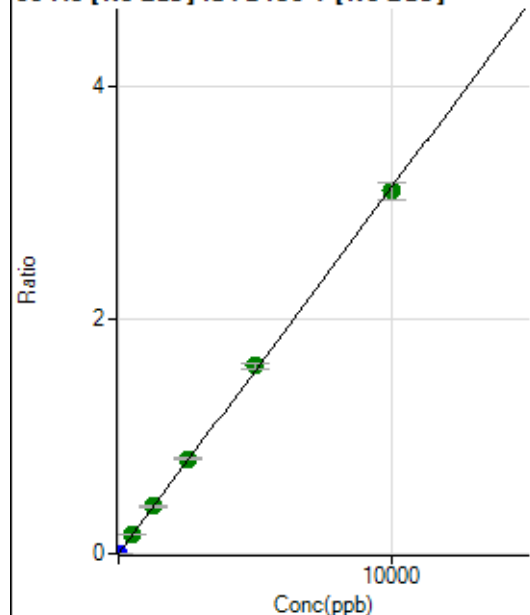
$$DL = 0.007279$$

$$BEC = 0.01143$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	158.34	0.0000	P	11.0
2	<input type="checkbox"/>	5.000	4.977	23294.00	0.0016	P	0.8
3	<input type="checkbox"/>	500.000	523.307	2398466.33	0.1640	A	2.0
4	<input type="checkbox"/>	1250.000	1287.408	5702343.31	0.4035	A	2.9
5	<input type="checkbox"/>	2500.000	2591.716	11292518.57	0.8122	A	3.0
6	<input type="checkbox"/>	5000.000	5123.586	22049362.47	1.6057	A	2.7
7	<input type="checkbox"/>	10000.000	9909.437	44283827.38	3.1055	A	4.6
8	<input type="checkbox"/>			41888.60	0.0031	P	6.5

$$y = 3.1338\text{E-}004 * x + 1.1125\text{E-}005$$

$$R = 0.9998$$

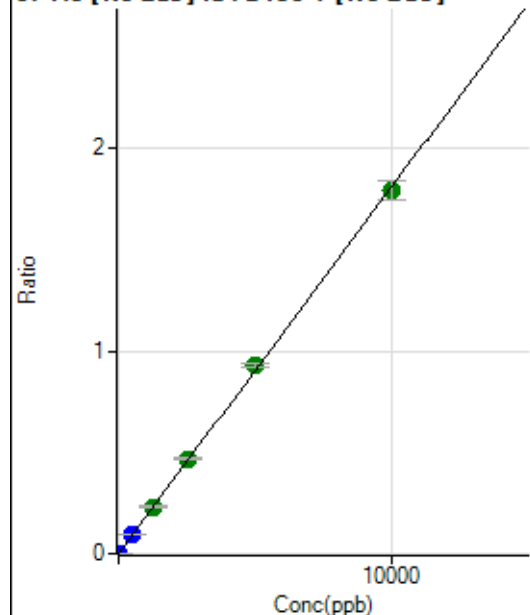
$$DL = 0.0117$$

$$BEC = 0.0355$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	47.22	0.0000	P	51.0
2	<input type="checkbox"/>	5.000	4.966	13381.49	0.0009	P	1.6
3	<input type="checkbox"/>	500.000	531.236	1406491.32	0.0962	P	3.3
4	<input type="checkbox"/>	1250.000	1284.734	3287762.16	0.2326	A	2.3
5	<input type="checkbox"/>	2500.000	2589.947	6519690.77	0.4689	A	2.6
6	<input type="checkbox"/>	5000.000	5148.622	12800843.08	0.9322	A	2.4
7	<input type="checkbox"/>	10000.000	9897.299	25550464.81	1.7920	A	5.1
8	<input type="checkbox"/>			8063.59	0.0006	P	13.5

$$y = 1.8105\text{E-}004 * x + 3.3166\text{E-}006$$

$$R = 0.9998$$

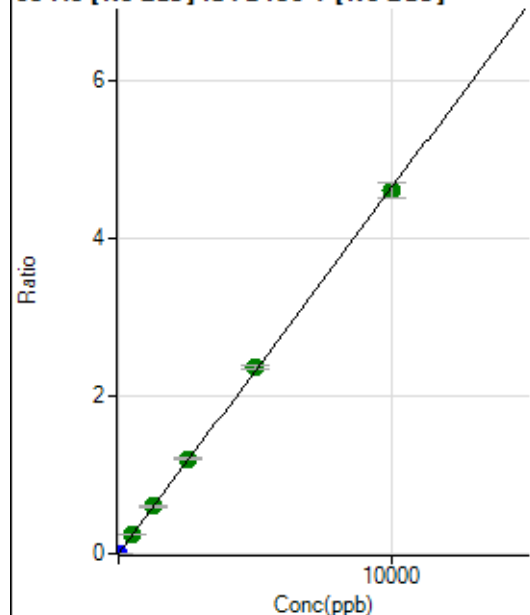
$$DL = 0.02801$$

$$BEC = 0.01832$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	105.56	0.0000	P	36.4
2	<input type="checkbox"/>	5.000	4.821	33207.75	0.0022	P	1.6
3	<input type="checkbox"/>	500.000	518.576	3511368.18	0.2401	A	3.4
4	<input type="checkbox"/>	1250.000	1292.701	8459182.13	0.5986	A	3.1
5	<input type="checkbox"/>	2500.000	2589.264	16670102.45	1.1989	A	2.2
6	<input type="checkbox"/>	5000.000	5104.621	32458149.34	2.3637	A	1.9
7	<input type="checkbox"/>	10000.000	9919.107	65500608.41	4.5930	A	4.1
8	<input type="checkbox"/>			18731.91	0.0014	P	10.2

$$y = 4.6304\text{E-}004 * x + 7.3972\text{E-}006$$

$$R = 0.9999$$

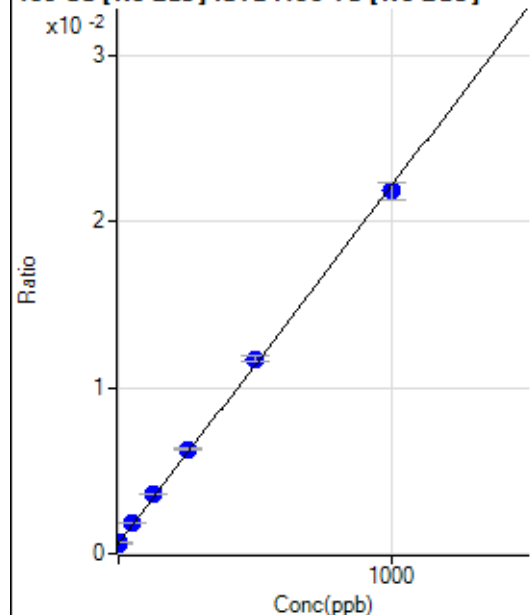
$$DL = 0.01744$$

$$BEC = 0.01598$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	7096.37	0.0006	P	5.0
2	<input type="checkbox"/>	1.000	2.820	8074.70	0.0007	P	5.4
3	<input type="checkbox"/>	50.000	57.903	21936.51	0.0019	P	1.4
4	<input type="checkbox"/>	125.000	138.205	41983.43	0.0036	P	2.0
5	<input type="checkbox"/>	250.000	262.997	73670.95	0.0063	P	1.7
6	<input type="checkbox"/>	500.000	517.302	134488.99	0.0117	P	3.1
7	<input type="checkbox"/>	1000.000	986.052	256565.32	0.0218	P	4.5
8	<input type="checkbox"/>			7015.78	0.0006	P	6.9

$$y = 2.1508\text{E-}005 * x + 6.1178\text{E-}004$$

$$R = 0.9997$$

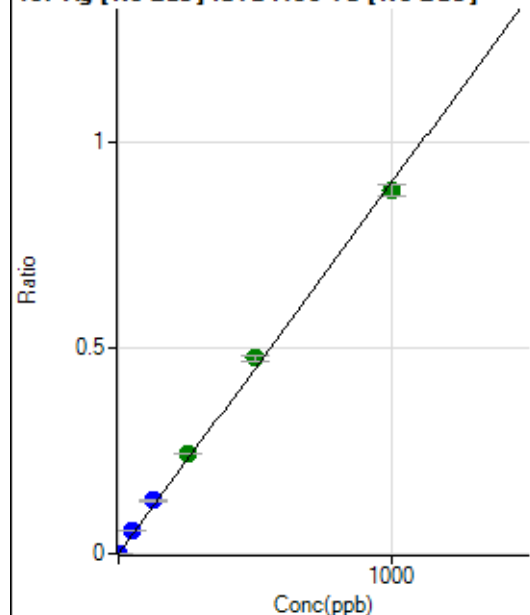
$$DL = 4.298$$

$$BEC = 28.44$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	155.56	0.0000	P	5.8
2	<input type="checkbox"/>	1.000	1.039	11399.22	0.0009	P	3.9
3	<input type="checkbox"/>	50.000	60.090	640034.49	0.0542	P	1.2
4	<input type="checkbox"/>	125.000	143.465	1515216.56	0.1293	P	1.7
5	<input type="checkbox"/>	250.000	271.137	2872793.99	0.2444	A	0.5
6	<input type="checkbox"/>	500.000	526.937	5442818.65	0.4751	A	2.4
7	<input type="checkbox"/>	1000.000	978.435	10374196.85	0.8821	A	3.2
8	<input type="checkbox"/>			4953.77	0.0004	P	11.6

$$y = 9.0152\text{E-}004 * x + 1.3407\text{E-}005$$

$$R = 0.9991$$

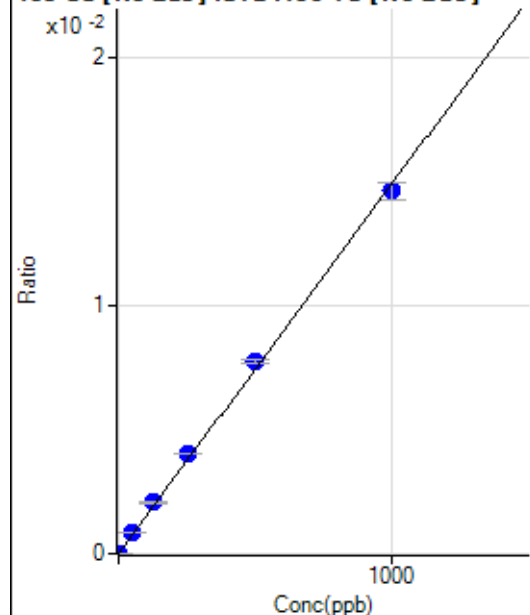
$$DL = 0.002569$$

$$BEC = 0.01487$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	23.61	0.0000	P	44.2
2	<input type="checkbox"/>	1.000	0.943	193.06	0.0000	P	11.9
3	<input type="checkbox"/>	50.000	59.188	10437.19	0.0009	P	1.8
4	<input type="checkbox"/>	125.000	139.277	24321.88	0.0021	P	2.9
5	<input type="checkbox"/>	250.000	268.725	47066.28	0.0040	P	0.3
6	<input type="checkbox"/>	500.000	521.072	88960.49	0.0078	P	1.6
7	<input type="checkbox"/>	1000.000	982.538	172112.91	0.0146	P	4.5
8	<input type="checkbox"/>			90.28	0.0000	P	19.4

$$y = 1.4895\text{E-}005 * x + 2.0346\text{E-}006$$

$$R = 0.9994$$

$$DL = 0.1811$$

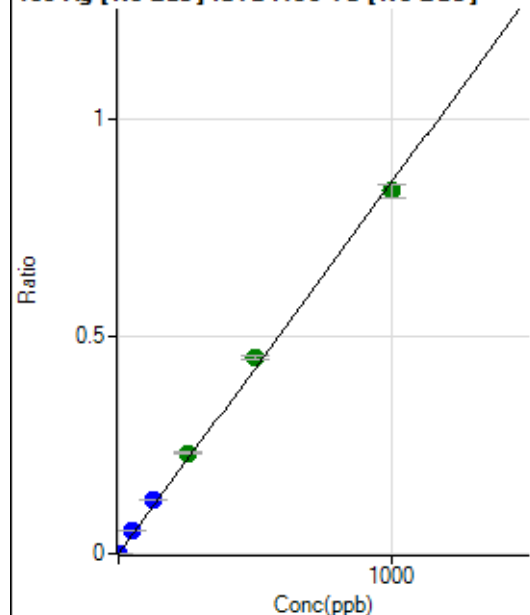
$$BEC = 0.1366$$

Weight: &lt;None&gt;

Min Conc: 0



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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	50.00	0.0000	P	88.4
2	<input type="checkbox"/>	1.000	1.076	11079.51	0.0009	P	4.1
3	<input type="checkbox"/>	50.000	60.652	611561.33	0.0518	P	1.9
4	<input type="checkbox"/>	125.000	144.565	1445548.08	0.1234	P	1.4
5	<input type="checkbox"/>	250.000	271.921	2727773.56	0.2321	A	0.9
6	<input type="checkbox"/>	500.000	528.247	5166749.64	0.4509	A	1.1
7	<input type="checkbox"/>	1000.000	977.418	9811935.73	0.8343	A	3.7
8	<input type="checkbox"/>			4484.12	0.0004	P	9.0

$$y = 8.5359\text{E-}004 * x + 4.3162\text{E-}006$$

$$R = 0.9990$$

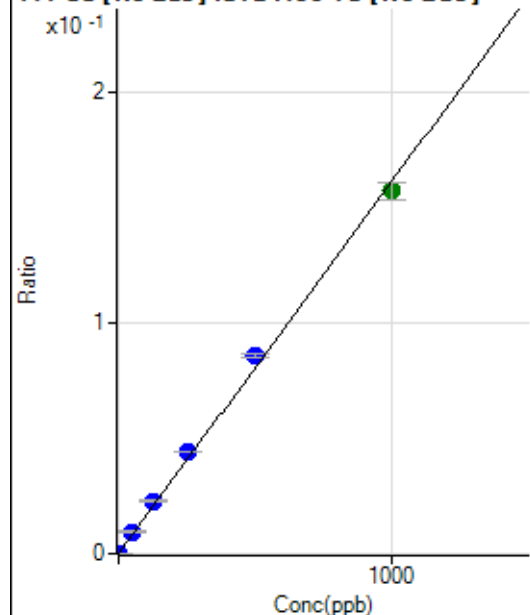
$$DL = 0.0134$$

$$BEC = 0.005057$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	698.66	0.0001	P	6.2
2	<input type="checkbox"/>	1.000	1.125	2903.09	0.0002	P	1.1
3	<input type="checkbox"/>	50.000	58.885	112904.78	0.0096	P	1.4
4	<input type="checkbox"/>	125.000	141.191	267498.15	0.0228	P	1.6
5	<input type="checkbox"/>	250.000	273.397	519003.74	0.0442	P	0.4
6	<input type="checkbox"/>	500.000	531.895	983820.64	0.0859	P	1.4
7	<input type="checkbox"/>	1000.000	975.735	1851335.24	0.1574	A	4.5
8	<input type="checkbox"/>			1275.91	0.0001	P	2.3

$$y = 1.6130\text{E-}004 * x + 6.0233\text{E-}005$$

$$R = 0.9989$$

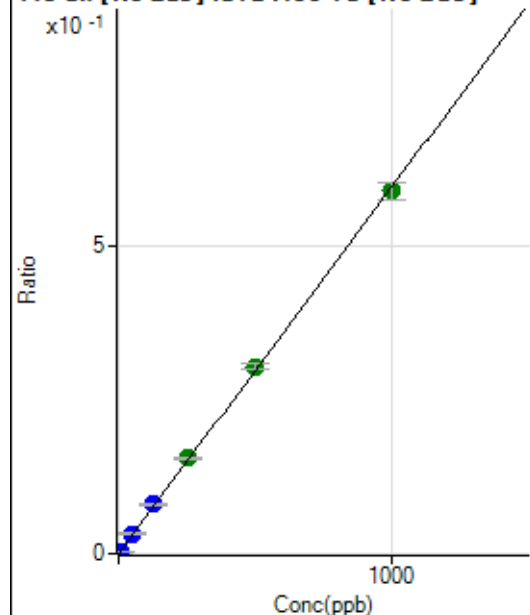
$$DL = 0.06912$$

$$BEC = 0.3734$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	786.16	0.0001	P	8.1
2	<input type="checkbox"/>	5.000	4.991	36357.75	0.0030	P	3.9
3	<input type="checkbox"/>	50.000	54.992	386224.05	0.0327	P	2.0
4	<input type="checkbox"/>	125.000	133.900	931483.69	0.0795	P	2.4
5	<input type="checkbox"/>	250.000	260.236	1815569.25	0.1545	A	0.8
6	<input type="checkbox"/>	500.000	511.116	3475614.94	0.3033	A	2.4
7	<input type="checkbox"/>	1000.000	990.521	6911049.11	0.5878	A	4.9
8	<input type="checkbox"/>			7354.84	0.0007	P	3.0

$$y = 5.9335\text{E-}004 * x + 6.7775\text{E-}005$$

$$R = 0.9998$$

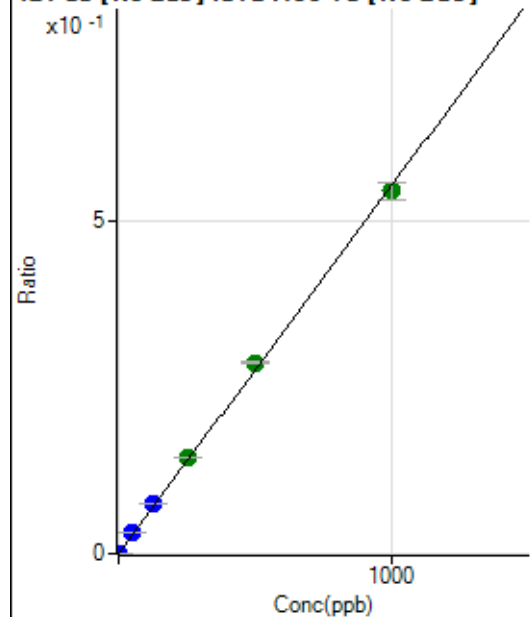
$$DL = 0.02776$$

$$BEC = 0.1142$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	91.67	0.0000	P	8.7
2	<input type="checkbox"/>	2.000	1.943	12983.92	0.0011	P	5.4
3	<input type="checkbox"/>	50.000	55.463	362225.73	0.0307	P	1.5
4	<input type="checkbox"/>	125.000	135.281	876069.22	0.0748	P	1.9
5	<input type="checkbox"/>	250.000	260.541	1692753.55	0.1440	A	0.4
6	<input type="checkbox"/>	500.000	519.090	3287953.57	0.2869	A	1.5
7	<input type="checkbox"/>	1000.000	986.262	6410075.80	0.5452	A	4.9
8	<input type="checkbox"/>			4264.64	0.0004	P	6.1

$$y = 5.5277\text{E-}004 * x + 7.9003\text{E-}006$$

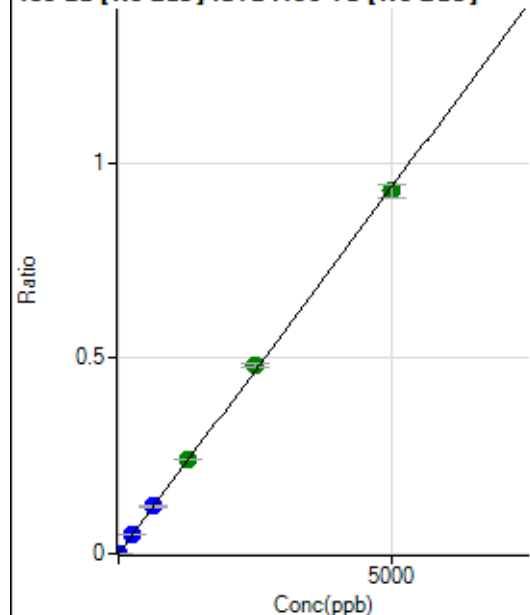
$$R = 0.9996$$

$$DL = 0.003744$$

$$BEC = 0.01429$$

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	5.55	0.0000	P	86.6
2	<input type="checkbox"/>	10.000	9.279	20890.83	0.0017	P	3.3
3	<input type="checkbox"/>	250.000	263.606	583841.33	0.0494	P	1.6
4	<input type="checkbox"/>	625.000	644.661	1415916.30	0.1209	P	1.9
5	<input type="checkbox"/>	1250.000	1293.066	2849422.11	0.2425	A	0.5
6	<input type="checkbox"/>	2500.000	2568.885	5518934.28	0.4817	A	2.8
7	<input type="checkbox"/>	5000.000	4951.655	10918106.23	0.9284	A	4.0
8	<input type="checkbox"/>			5798.57	0.0005	P	7.9

$$y = 1.8750\text{E-}004 * x + 4.7719\text{E-}007$$

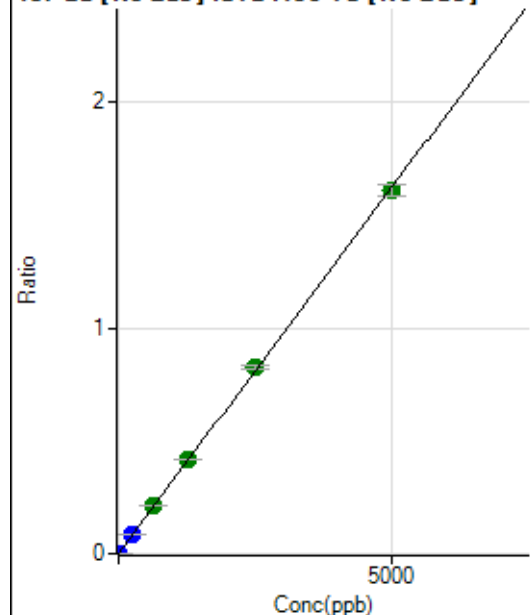
$$R = 0.9998$$

$$DL = 0.006612$$

$$BEC = 0.002545$$

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	27.78	0.0000	P	17.2
2	<input type="checkbox"/>	10.000	9.130	35589.56	0.0030	P	1.2
3	<input type="checkbox"/>	250.000	265.623	1017732.85	0.0862	P	1.5
4	<input type="checkbox"/>	625.000	656.942	2496351.21	0.2131	A	1.3
5	<input type="checkbox"/>	1250.000	1292.706	4927803.58	0.4193	A	0.7
6	<input type="checkbox"/>	2500.000	2553.329	9490101.60	0.8282	A	1.9
7	<input type="checkbox"/>	5000.000	4957.887	18914358.06	1.6082	A	3.1
8	<input type="checkbox"/>			9706.35	0.0009	P	7.1

$$y = 3.2437\text{E-}004 * x + 2.3941\text{E-}006$$

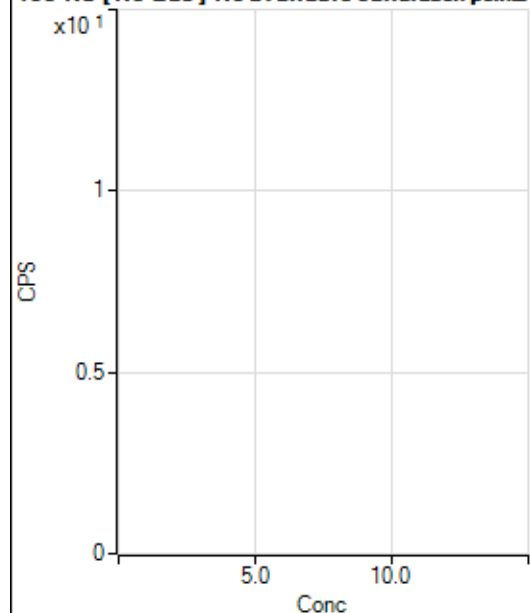
$$R = 0.9999$$

$$DL = 0.003806$$

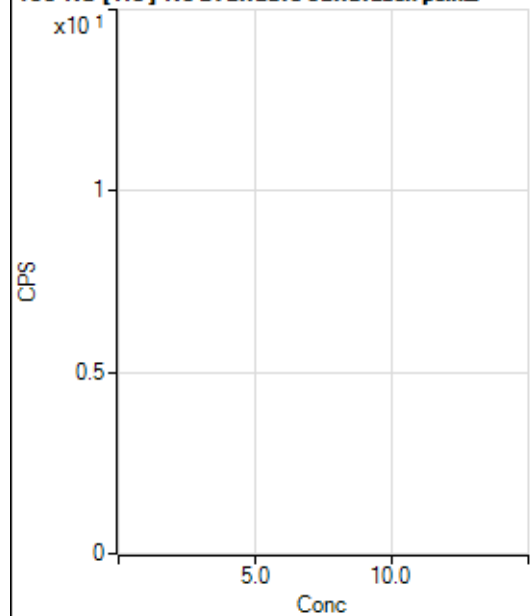
$$BEC = 0.007381$$

Weight: &lt;None&gt;

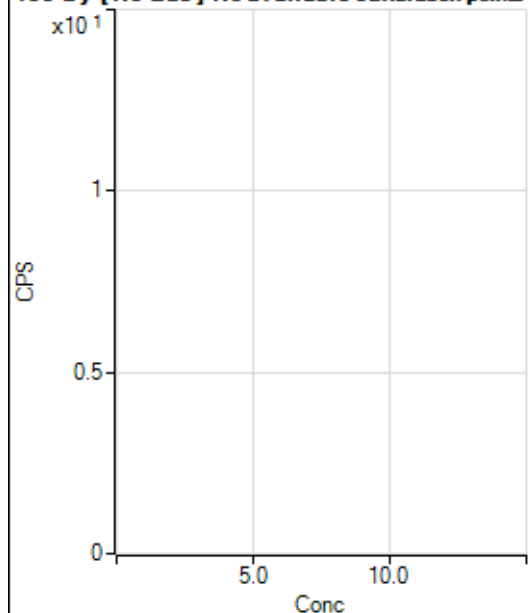
Min Conc: 0

**150 Nd [ No Gas ] No available calibration points**

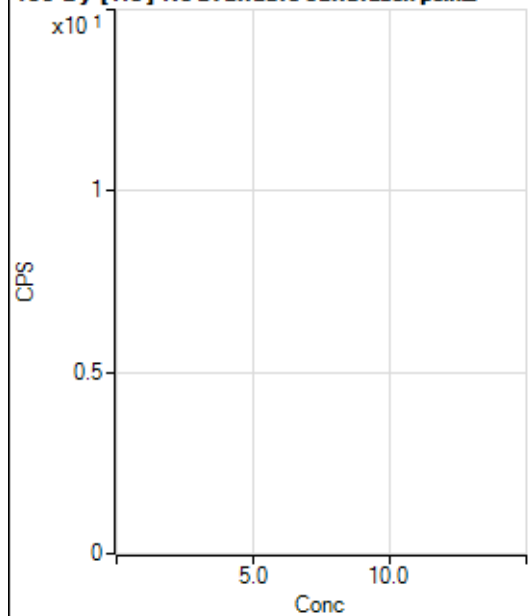
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>			4.45		P	86.6
2	<input type="checkbox"/>			15.56		P	65.5
3	<input type="checkbox"/>			140.00		P	8.2
4	<input type="checkbox"/>			346.68		P	15.3
5	<input type="checkbox"/>			697.81		P	4.3
6	<input type="checkbox"/>			1384.54		P	7.6
7	<input type="checkbox"/>			2622.52		P	6.3
8	<input type="checkbox"/>			77.78		P	9.9

**150 Nd [ He ] No available calibration points**

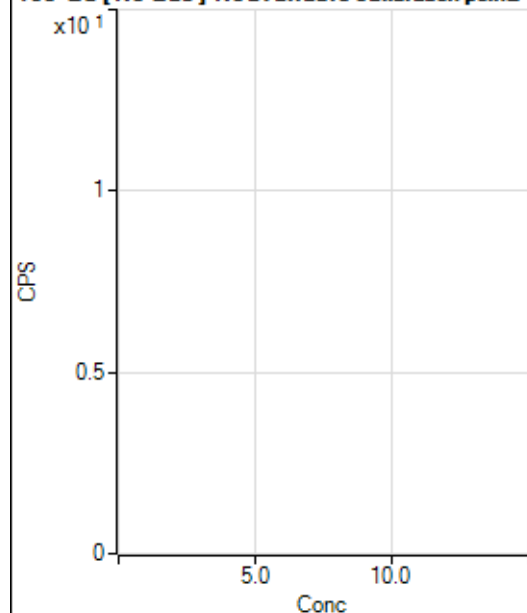
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>			2.22		P	86.6
2	<input type="checkbox"/>			5.55		P	69.3
3	<input type="checkbox"/>			31.11		P	16.4
4	<input type="checkbox"/>			63.33		P	32.9
5	<input type="checkbox"/>			118.89		P	21.0
6	<input type="checkbox"/>			211.11		P	23.0
7	<input type="checkbox"/>			465.57		P	7.0
8	<input type="checkbox"/>			41.11		P	40.0

**156 Dy [ No Gas ] No available calibration points**

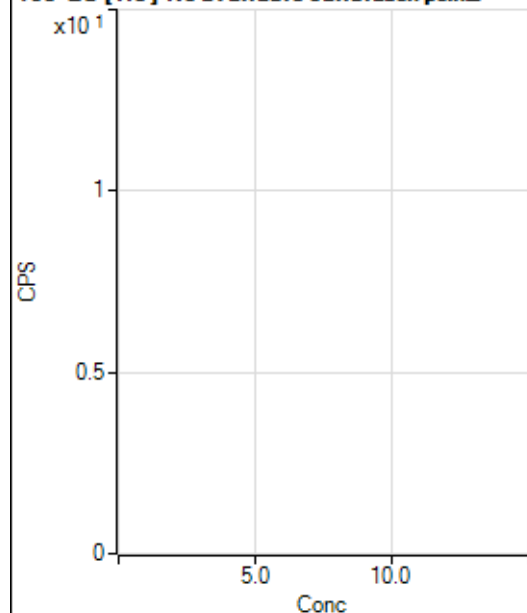
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>			11.11		P	43.3
2	<input type="checkbox"/>			22.22		P	86.6
3	<input type="checkbox"/>			47.22		P	27.0
4	<input type="checkbox"/>			97.23		P	34.6
5	<input type="checkbox"/>			197.23		P	2.4
6	<input type="checkbox"/>			419.46		P	21.9
7	<input type="checkbox"/>			744.49		P	10.0
8	<input type="checkbox"/>			1986.31		P	4.4

**156 Dy [ He ] No available calibration points**

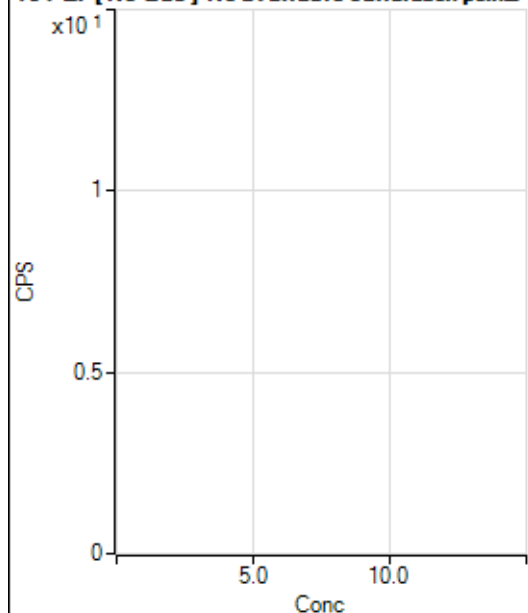
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>			3.33		P	100.
2	<input type="checkbox"/>			7.78		P	65.5
3	<input type="checkbox"/>			40.00		P	22.0
4	<input type="checkbox"/>			104.45		P	24.2
5	<input type="checkbox"/>			188.89		P	7.3
6	<input type="checkbox"/>			377.79		P	5.2
7	<input type="checkbox"/>			676.69		P	4.7
8	<input type="checkbox"/>			1221.18		P	1.8

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

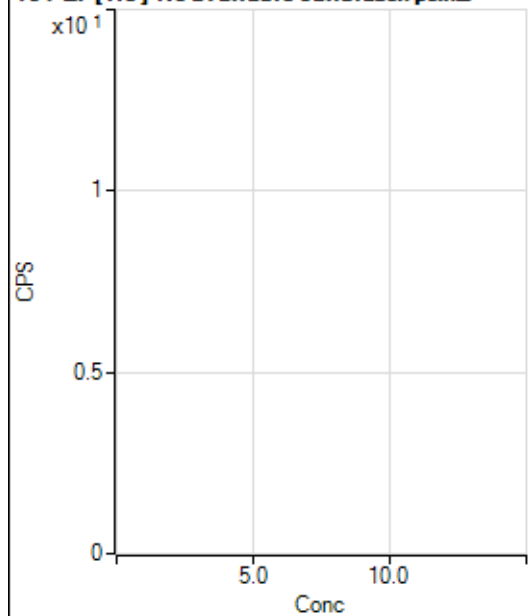
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>			38.89		P	24.7
2	<input type="checkbox"/>			69.44		P	27.7
3	<input type="checkbox"/>			88.89		P	21.6
4	<input type="checkbox"/>			97.23		P	32.5
5	<input type="checkbox"/>			216.67		P	26.9
6	<input type="checkbox"/>			350.01		P	2.4
7	<input type="checkbox"/>			522.25		P	12.9
8	<input type="checkbox"/>			2014.09		P	3.4

**160 Gd [ He ] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>			385.56		P	1.8
2	<input type="checkbox"/>			385.56		P	6.6
3	<input type="checkbox"/>			375.57		P	14.2
4	<input type="checkbox"/>			391.12		P	3.0
5	<input type="checkbox"/>			450.01		P	11.2
6	<input type="checkbox"/>			497.79		P	7.0
7	<input type="checkbox"/>			673.36		P	4.5
8	<input type="checkbox"/>			1642.33		P	8.4

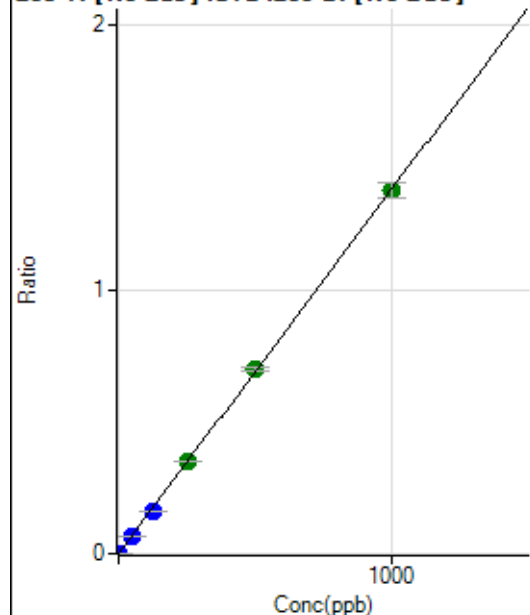
**164 Er [ No Gas ] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>			100.00		P	22.0
2	<input type="checkbox"/>			80.56		P	6.0
3	<input type="checkbox"/>			88.89		P	21.6
4	<input type="checkbox"/>			91.67		P	0.0
5	<input type="checkbox"/>			113.89		P	11.2
6	<input type="checkbox"/>			127.78		P	39.8
7	<input type="checkbox"/>			200.01		P	11.0
8	<input type="checkbox"/>			141.67		P	NaN

**164 Er [ He ] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>			46.67		P	7.1
2	<input type="checkbox"/>			42.22		P	16.4
3	<input type="checkbox"/>			78.89		P	12.2
4	<input type="checkbox"/>			58.89		P	34.6
5	<input type="checkbox"/>			68.89		P	7.4
6	<input type="checkbox"/>			78.89		P	36.4
7	<input type="checkbox"/>			102.22		P	3.8
8	<input type="checkbox"/>			98.89		P	1.9

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	205.56	0.0000	P	30.3
2	<input type="checkbox"/>	1.000	0.828	9431.27	0.0012	P	1.1
3	<input type="checkbox"/>	50.000	47.583	518786.29	0.0657	P	2.4
4	<input type="checkbox"/>	125.000	117.368	1274357.06	0.1620	P	1.1
5	<input type="checkbox"/>	250.000	254.129	2666412.54	0.3506	A	0.9
6	<input type="checkbox"/>	500.000	507.993	5100461.44	0.7009	A	2.2
7	<input type="checkbox"/>	1000.000	996.046	9969694.06	1.3743	A	4.4
8	<input type="checkbox"/>			1527.91	0.0003	P	8.1

$$y = 0.0014 * x + 2.6093E-005$$

$$R = 0.9999$$

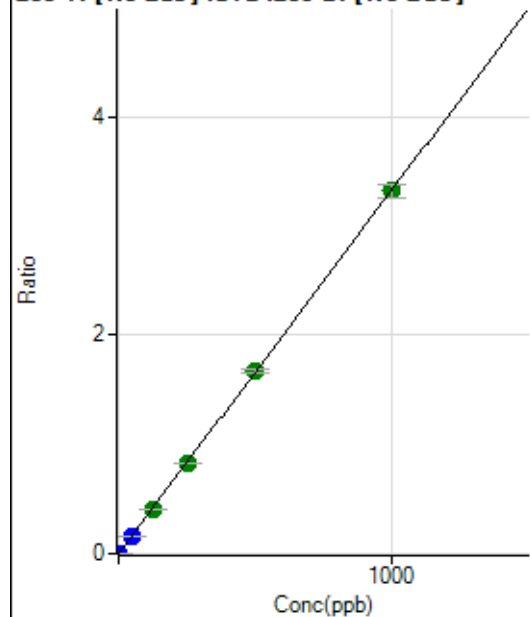
$$DL = 0.01718$$

$$BEC = 0.01891$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	461.13	0.0001	P	7.8
2	<input type="checkbox"/>	1.000	0.824	22560.86	0.0028	P	2.6
3	<input type="checkbox"/>	50.000	47.681	1251948.33	0.1585	P	2.2
4	<input type="checkbox"/>	125.000	121.761	3183884.75	0.4046	A	1.1
5	<input type="checkbox"/>	250.000	250.070	6318782.95	0.8310	A	0.6
6	<input type="checkbox"/>	500.000	502.966	12161816.50	1.6712	A	1.4
7	<input type="checkbox"/>	1000.000	999.021	24083942.38	3.3194	A	3.6
8	<input type="checkbox"/>			3670.04	0.0006	P	17.7

$$y = 0.0033 * x + 5.8605E-005$$

$$R = 1.0000$$

$$DL = 0.004121$$

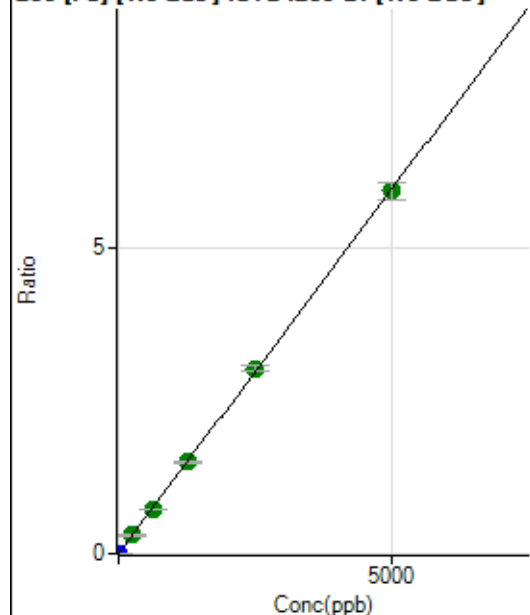
$$BEC = 0.01764$$

Weight: &lt;None&gt;

Min Conc: 0



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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	609.28	0.0001	P	11.6
2	<input type="checkbox"/>	1.000	0.802	8330.46	0.0010	P	4.6
3	<input type="checkbox"/>	250.000	251.949	2370925.11	0.3001	A	2.0
4	<input type="checkbox"/>	625.000	608.543	5703203.65	0.7248	A	0.8
5	<input type="checkbox"/>	1250.000	1258.728	11399577.80	1.4991	A	2.0
6	<input type="checkbox"/>	2500.000	2539.513	22008538.22	3.0244	A	2.7
7	<input type="checkbox"/>	5000.000	4980.022	43025046.79	5.9309	A	4.5
8	<input type="checkbox"/>			9042.05	0.0015	P	9.5

$$y = 0.0012 * x + 7.7372E-005$$

$$R = 0.9999$$

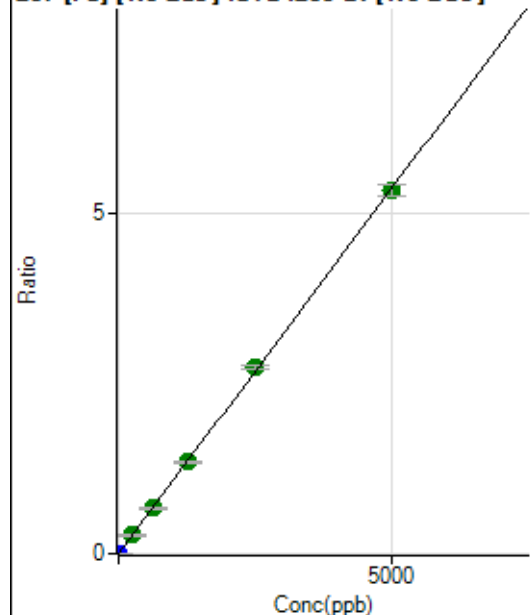
$$DL = 0.02259$$

$$BEC = 0.06497$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	470.39	0.0001	P	10.2
2	<input type="checkbox"/>	1.000	0.780	7242.79	0.0009	P	3.3
3	<input type="checkbox"/>	250.000	252.696	2142945.16	0.2713	A	2.9
4	<input type="checkbox"/>	625.000	619.247	5230478.24	0.6647	A	2.3
5	<input type="checkbox"/>	1250.000	1262.163	10302288.66	1.3548	A	2.4
6	<input type="checkbox"/>	2500.000	2553.662	19947207.85	2.7411	A	1.6
7	<input type="checkbox"/>	5000.000	4970.712	38713229.57	5.3355	A	3.3
8	<input type="checkbox"/>			7863.51	0.0013	P	10.7

$$y = 0.0011 * x + 5.9818E-005$$

$$R = 0.9999$$

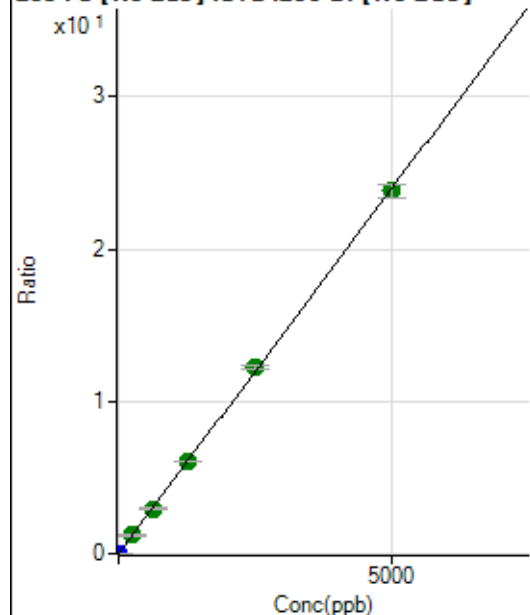
$$DL = 0.01704$$

$$BEC = 0.05573$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	2239.00	0.0003	P	2.6
2	<input type="checkbox"/>	1.000	0.801	33225.64	0.0041	P	3.4
3	<input type="checkbox"/>	250.000	252.458	9549181.37	1.2089	A	2.8
4	<input type="checkbox"/>	625.000	615.601	23192296.98	2.9475	A	1.5
5	<input type="checkbox"/>	1250.000	1265.426	46070123.02	6.0585	A	1.0
6	<input type="checkbox"/>	2500.000	2547.610	88757636.48	12.1969	A	1.9
7	<input type="checkbox"/>	5000.000	4973.391	172748864.5	23.8102	A	3.8
8	<input type="checkbox"/>			35735.47	0.0060	P	9.6

$$y = 0.0048 * x + 2.8439E-004$$

$$R = 0.9999$$

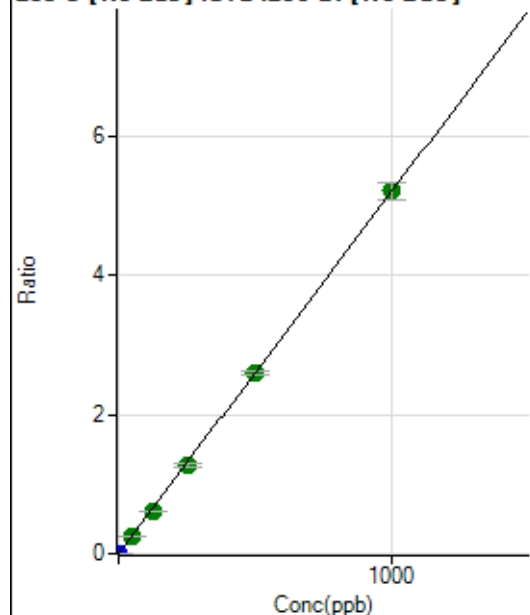
$$DL = 0.004608$$

$$BEC = 0.0594$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	0.000	0.000	11.11	0.0000	P	44.9
2	<input type="checkbox"/>	1.000	0.767	32225.61	0.0040	P	3.8
3	<input type="checkbox"/>	50.000	47.087	1935419.62	0.2450	A	3.1
4	<input type="checkbox"/>	125.000	115.702	4737516.95	0.6021	A	1.9
5	<input type="checkbox"/>	250.000	244.369	9669483.98	1.2716	A	2.3
6	<input type="checkbox"/>	500.000	500.432	18949999.90	2.6041	A	2.5
7	<input type="checkbox"/>	1000.000	1002.500	37842275.15	5.2167	A	4.7
8	<input type="checkbox"/>			2872.63	0.0005	P	24.4

$$y = 0.0052 * x + 1.4174E-006$$

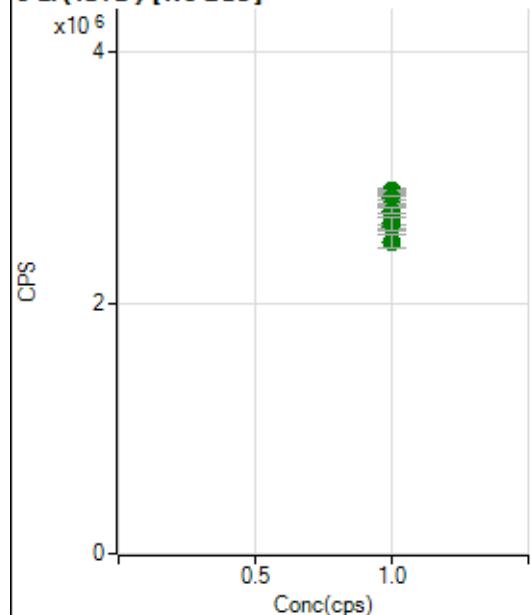
$$R = 1.0000$$

$$DL = 0.0003672$$

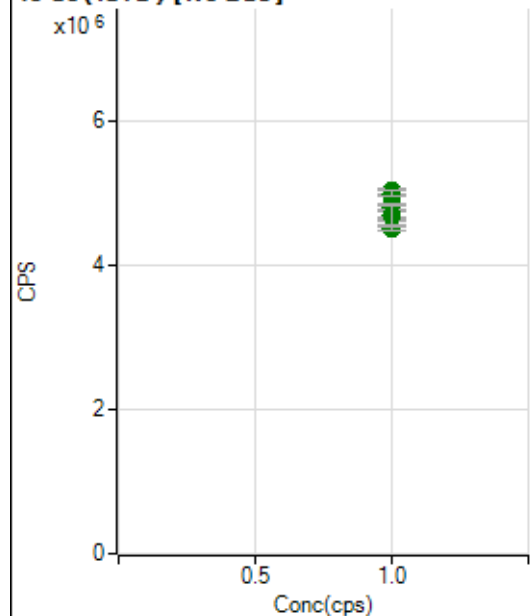
$$BEC = 0.0002724$$

Weight: &lt;None&gt;

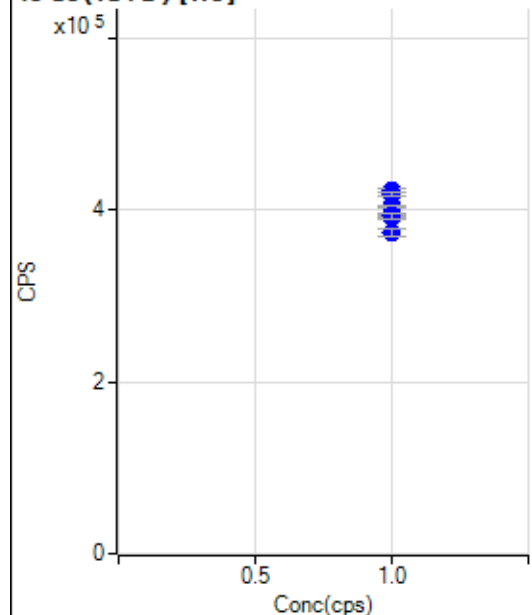
Min Conc: 0

**6 Li (ISTD) [No Gas]**

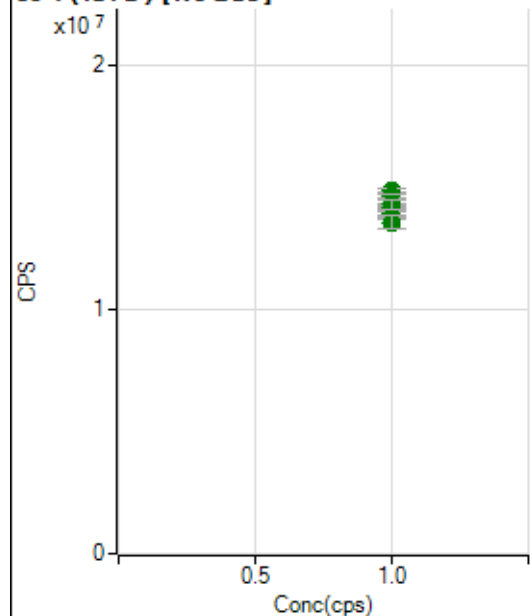
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		2894876.38		A	1.6
2	<input type="checkbox"/>	1.000		2887308.70		A	0.6
3	<input type="checkbox"/>	1.000		2834820.79		A	1.0
4	<input type="checkbox"/>	1.000		2784504.23		A	1.0
5	<input type="checkbox"/>	1.000		2733959.23		A	1.5
6	<input type="checkbox"/>	1.000		2603344.81		A	1.0
7	<input type="checkbox"/>	1.000		2632054.75		A	3.6
8	<input type="checkbox"/>	1.000		2489372.86		A	4.1

**45 Sc (ISTD) [No Gas]**

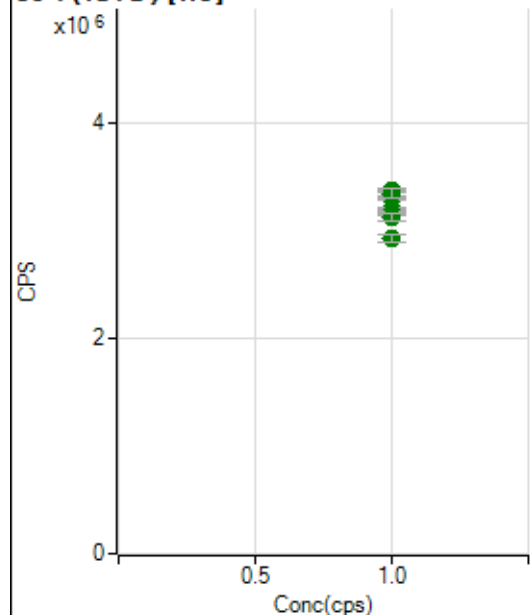
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		4850245.34		A	0.9
2	<input type="checkbox"/>	1.000		5037355.55		A	1.3
3	<input type="checkbox"/>	1.000		4996700.97		A	1.6
4	<input type="checkbox"/>	1.000		4802125.94		A	1.9
5	<input type="checkbox"/>	1.000		4667516.74		A	0.6
6	<input type="checkbox"/>	1.000		4508355.11		A	1.2
7	<input type="checkbox"/>	1.000		4693223.13		A	3.2
8	<input type="checkbox"/>	1.000		4696236.14		A	5.8

**45 Sc (ISTD) [He]**

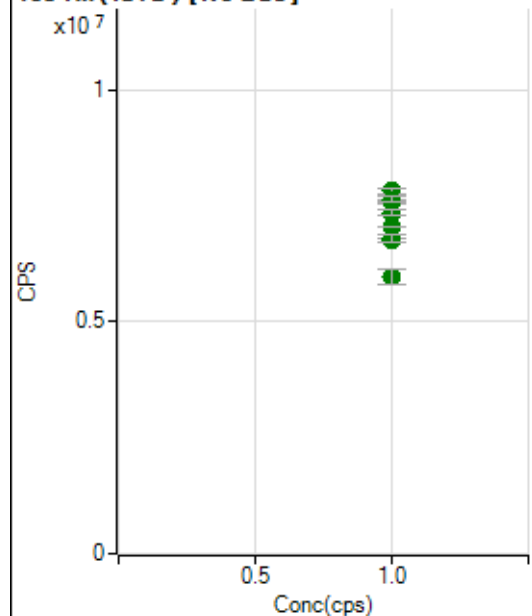
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		418425.94		P	1.1
2	<input type="checkbox"/>	1.000		422376.73		P	0.9
3	<input type="checkbox"/>	1.000		418674.02		P	1.0
4	<input type="checkbox"/>	1.000		404672.16		P	0.8
5	<input type="checkbox"/>	1.000		394217.62		P	0.5
6	<input type="checkbox"/>	1.000		392484.11		P	0.6
7	<input type="checkbox"/>	1.000		392931.76		P	1.9
8	<input type="checkbox"/>	1.000		373577.47		P	2.5

**89 Y (ISTD) [No Gas]**

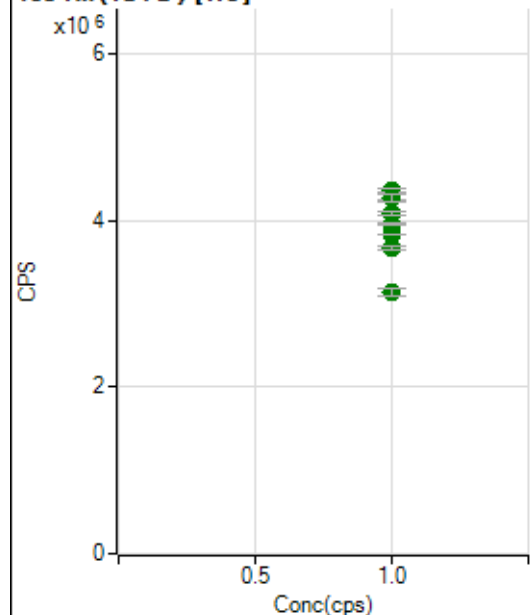
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		14239030.62		A	0.9
2	<input type="checkbox"/>	1.000		14828597.83		A	1.0
3	<input type="checkbox"/>	1.000		14626420.48		A	1.2
4	<input type="checkbox"/>	1.000		14135301.04		A	1.3
5	<input type="checkbox"/>	1.000		13906089.51		A	1.1
6	<input type="checkbox"/>	1.000		13732462.15		A	0.6
7	<input type="checkbox"/>	1.000		14270612.84		A	2.6
8	<input type="checkbox"/>	1.000		13547472.58		A	4.2

**89 Y(ISTD) [He]**

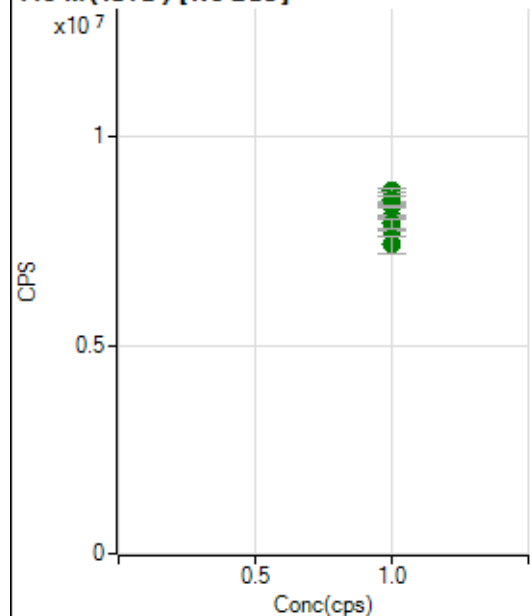
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		3310012.35		A	1.1
2	<input type="checkbox"/>	1.000		3372617.48		A	0.7
3	<input type="checkbox"/>	1.000		3346088.74		A	2.5
4	<input type="checkbox"/>	1.000		3203027.80		A	0.5
5	<input type="checkbox"/>	1.000		3148486.73		A	0.6
6	<input type="checkbox"/>	1.000		3160832.77		A	1.0
7	<input type="checkbox"/>	1.000		3125397.70		A	2.1
8	<input type="checkbox"/>	1.000		2936136.87		A	2.3

**103 Rh(ISTD) [No Gas]**

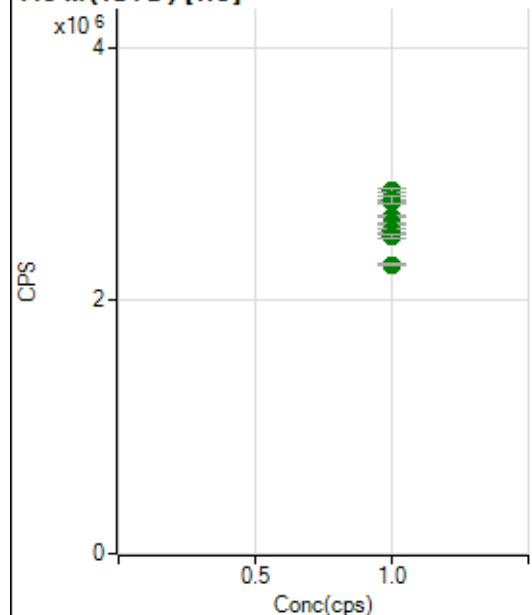
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		7584451.83		A	1.2
2	<input type="checkbox"/>	1.000		7823835.85		A	1.7
3	<input type="checkbox"/>	1.000		7639315.23		A	1.5
4	<input type="checkbox"/>	1.000		7360729.75		A	1.4
5	<input type="checkbox"/>	1.000		7048615.87		A	0.3
6	<input type="checkbox"/>	1.000		6739344.34		A	1.2
7	<input type="checkbox"/>	1.000		6788371.01		A	2.5
8	<input type="checkbox"/>	1.000		5958860.88		A	5.5

**103 Rh (ISTD) [He]**

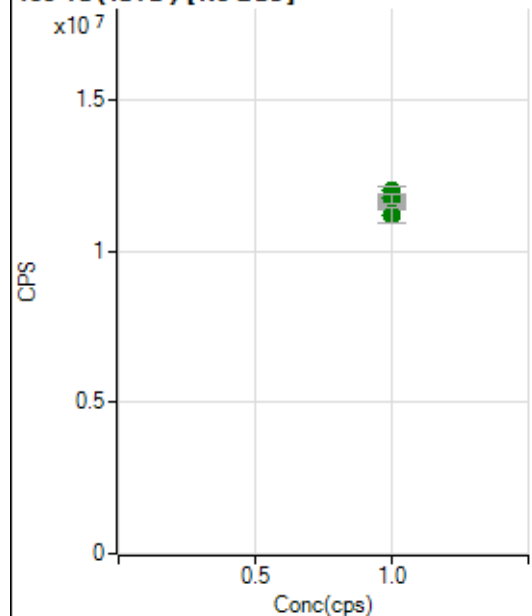
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		4284336.85		A	1.5
2	<input type="checkbox"/>	1.000		4359727.75		A	0.9
3	<input type="checkbox"/>	1.000		4272798.17		A	1.8
4	<input type="checkbox"/>	1.000		4087388.41		A	0.8
5	<input type="checkbox"/>	1.000		3956789.28		A	0.6
6	<input type="checkbox"/>	1.000		3839167.58		A	0.3
7	<input type="checkbox"/>	1.000		3681900.08		A	1.4
8	<input type="checkbox"/>	1.000		3134262.11		A	3.0

**115 In (ISTD) [No Gas]**

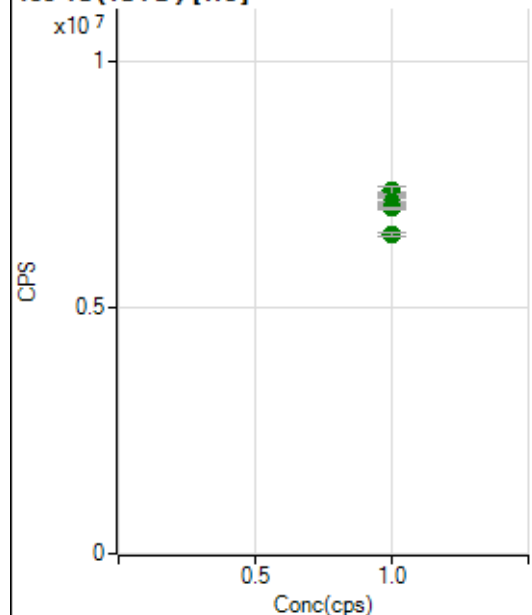
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		8372496.99		A	1.1
2	<input type="checkbox"/>	1.000		8697058.39		A	1.0
3	<input type="checkbox"/>	1.000		8475183.11		A	2.1
4	<input type="checkbox"/>	1.000		8321209.03		A	0.3
5	<input type="checkbox"/>	1.000		8086498.15		A	0.7
6	<input type="checkbox"/>	1.000		7760317.30		A	0.8
7	<input type="checkbox"/>	1.000		7916408.36		A	3.2
8	<input type="checkbox"/>	1.000		7401359.37		A	5.4

**115 In (ISTD) [He]**

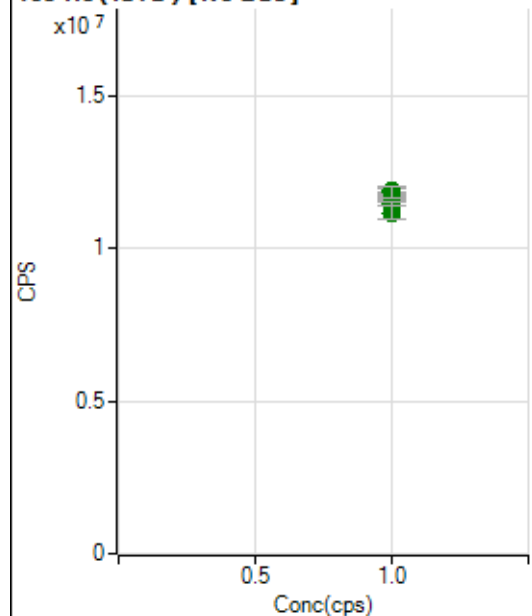
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		2789591.48		A	0.2
2	<input type="checkbox"/>	1.000		2868433.55		A	1.1
3	<input type="checkbox"/>	1.000		2801351.67		A	2.0
4	<input type="checkbox"/>	1.000		2666400.93		A	0.8
5	<input type="checkbox"/>	1.000		2612006.12		A	0.7
6	<input type="checkbox"/>	1.000		2552460.42		A	1.0
7	<input type="checkbox"/>	1.000		2508467.69		A	1.5
8	<input type="checkbox"/>	1.000		2287857.46		A	0.7

**159 Tb (ISTD) [No Gas]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		11600831.08		A	0.6
2	<input type="checkbox"/>	1.000		12008811.21		A	2.1
3	<input type="checkbox"/>	1.000		11812197.32		A	0.5
4	<input type="checkbox"/>	1.000		11715496.07		A	1.6
5	<input type="checkbox"/>	1.000		11752642.88		A	1.2
6	<input type="checkbox"/>	1.000		11459690.39		A	1.4
7	<input type="checkbox"/>	1.000		11767276.77		A	2.6
8	<input type="checkbox"/>	1.000		11200317.54		A	4.3

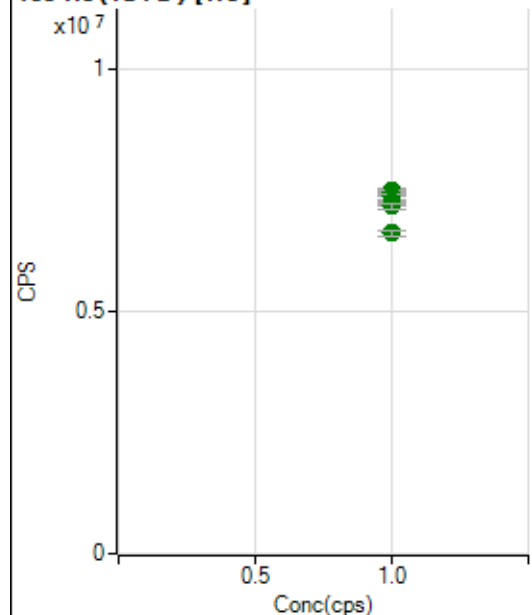
**159 Tb (ISTD) [He]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		7317841.21		A	1.0
2	<input type="checkbox"/>	1.000		7305873.99		A	0.4
3	<input type="checkbox"/>	1.000		7374566.63		A	2.2
4	<input type="checkbox"/>	1.000		7159244.27		A	1.7
5	<input type="checkbox"/>	1.000		7101442.53		A	0.7
6	<input type="checkbox"/>	1.000		7129182.33		A	0.2
7	<input type="checkbox"/>	1.000		7020238.23		A	0.6
8	<input type="checkbox"/>	1.000		6486721.29		A	1.6

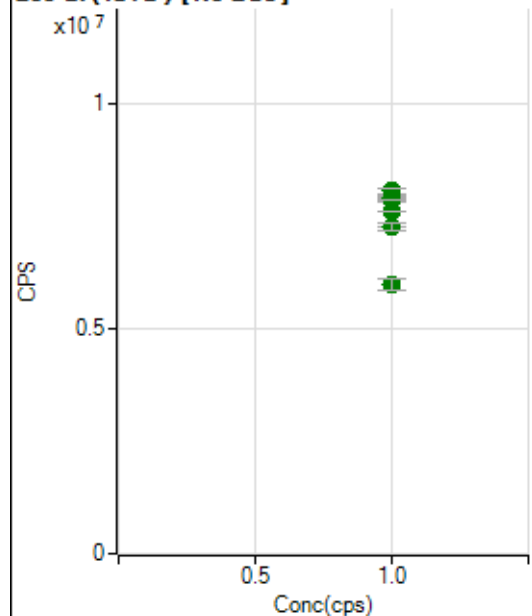
**165 Ho (ISTD) [No Gas]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		11573725.24		A	0.7
2	<input type="checkbox"/>	1.000		11839533.71		A	2.8
3	<input type="checkbox"/>	1.000		11889612.05		A	0.9
4	<input type="checkbox"/>	1.000		11731084.13		A	1.3
5	<input type="checkbox"/>	1.000		11720351.49		A	0.4
6	<input type="checkbox"/>	1.000		11460980.38		A	1.4
7	<input type="checkbox"/>	1.000		11832048.02		A	3.2
8	<input type="checkbox"/>	1.000		11174469.83		A	3.9

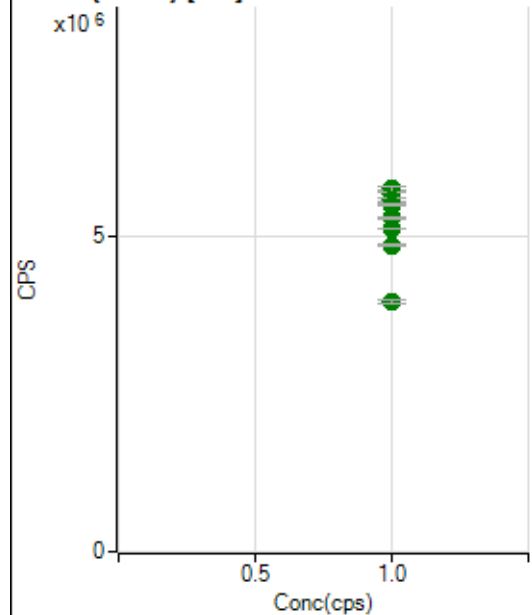


**165 Ho (ISTD) [He]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		7449547.04		A	2.2
2	<input type="checkbox"/>	1.000		7480314.82		A	1.2
3	<input type="checkbox"/>	1.000		7441159.27		A	1.3
4	<input type="checkbox"/>	1.000		7355534.75		A	1.2
5	<input type="checkbox"/>	1.000		7245884.34		A	0.6
6	<input type="checkbox"/>	1.000		7189235.45		A	0.6
7	<input type="checkbox"/>	1.000		7170985.80		A	1.8
8	<input type="checkbox"/>	1.000		6610470.04		A	1.5

**209 Bi (ISTD) [No Gas]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		7871216.27		A	1.4
2	<input type="checkbox"/>	1.000		8072107.52		A	1.6
3	<input type="checkbox"/>	1.000		7900797.04		A	1.3
4	<input type="checkbox"/>	1.000		7868448.29		A	0.4
5	<input type="checkbox"/>	1.000		7604343.98		A	0.2
6	<input type="checkbox"/>	1.000		7277116.91		A	0.3
7	<input type="checkbox"/>	1.000		7259690.31		A	2.5
8	<input type="checkbox"/>	1.000		5975895.19		A	4.3

**209 Bi (ISTD) [He]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	<input type="checkbox"/>	1.000		5677090.47		A	1.9
2	<input type="checkbox"/>	1.000		5750299.98		A	1.4
3	<input type="checkbox"/>	1.000		5583387.90		A	1.0
4	<input type="checkbox"/>	1.000		5498259.78		A	0.5
5	<input type="checkbox"/>	1.000		5300302.94		A	0.5
6	<input type="checkbox"/>	1.000		5122020.34		A	0.4
7	<input type="checkbox"/>	1.000		4853455.48		A	0.5
8	<input type="checkbox"/>	1.000		3958039.98		A	1.4

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7122022 MS.b  
Acq. Date-Time 2022-12-20 12:03:52  
Report Comment ---  
Instrument Name G8403A JP14410463

[No Gas]

## Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		10166	101661.96			0.743	5.000
24		305659	3056594.81			0.935	5.000
25		41113	411130.08			0.960	5.000
26		46032	460317.93			0.962	5.000
59		77145	771452.04			0.790	5.000
113		10146	101461.17			1.319	5.000
115		128572	1285724.53			1.187	5.000
206		35368	353684.16			1.135	5.000
207		32389	323888.60			1.082	5.000
208		75893	758926.28			1.356	5.000
220		0	1.20			69.722	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

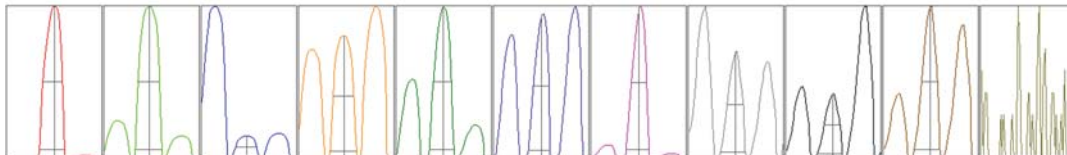
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	10069	10111	10215	10181	10255
24	303962	303395	303390	308960	308591
25	40672	40805	41127	41302	41659
26	45475	45870	46036	46078	46700
59	76591	77452	76853	76763	78068
113	9985	10044	10170	10211	10321
115	126568	127841	128379	129569	130505
206	34832	35137	35478	35503	35892
207	32129	31995	32435	32491	32894
208	74614	75185	76176	76212	77277

# US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	0	0	0	0

Integration Time [sec] 0.1

## Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	17563.48	9.05	8.90 - 9.10	
24	470505.24	23.95	23.90 - 24.10	
25	64726.03	24.95	24.90 - 25.10	
26	73141.73	25.95	25.90 - 26.10	
59	143802.07	59.00	58.90 - 59.10	
113	21377.80	113.05	112.90 - 113.10	
115	274848.29	115.05	114.90 - 115.10	
206	71954.23	206.00	205.90 - 206.10	
207	65286.25	207.00	206.90 - 207.10	
208	154495.21	208.00	207.90 - 208.10	
220	0.00	220.45	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.787	0.900	
24	0.68	0.835	0.900	
25	0.66	0.829	0.900	
26	0.66	0.832	0.900	
59	0.55	0.780	0.900	
113	0.48	0.685	0.900	
115	0.48	0.721	0.900	
206	0.51	0.775	0.900	
207	0.50	0.784	0.900	
208	0.49	0.807	0.900	
220	0.18	0.175		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.87 L/min Dilution Gas 0.40 L/min

# US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

## Lens Parameters

Extract 1	0.0 V	Omega Lens	8.8 V	Deflect	15.6 V
Extract 2	-95.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-60 V	Cell Exit	-50 V		

## Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	180 V		

## QP Parameters

Mass Gain	122	Axis Gain	1.0003	QP Bias	-3.0 V
Mass Offset	124	Axis Offset	0.00		

## Hardware Settings

### Torch

Torch H	-0.3 mm	Torch V	0.7 mm
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### EM

Discriminator	3.2 mV	Analog HV	2249 V	Pulse HV	1497 V
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[He]

## Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		25892	258917.58			0.967	
89		88207	882070.33			1.263	
205		33774	337742.56			0.329	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	26185	25692	25965	26038	25578
89	89758	88803	87453	88086	86935
205	33856	33646	33829	33878	33662

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.87 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

### Lens Parameters

Extract 1	0.0 V	Omega Lens	8.4 V	Deflect	3.0 V
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# US EPA Tune Check Report

Extract 2	-95.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-60 V	Cell Exit	-60 V		

## Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		

## QP Parameters

Mass Gain	122	Axis Gain	1.0003	QP Bias	-13.0 V
Mass Offset	124	Axis Offset	0.00		

## Hardware Settings

### Torch

Torch H	-0.3 mm	Torch V	0.7 mm
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### EM

Discriminator	3.2 mV	Analog HV	2249 V	Pulse HV	1497 V
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