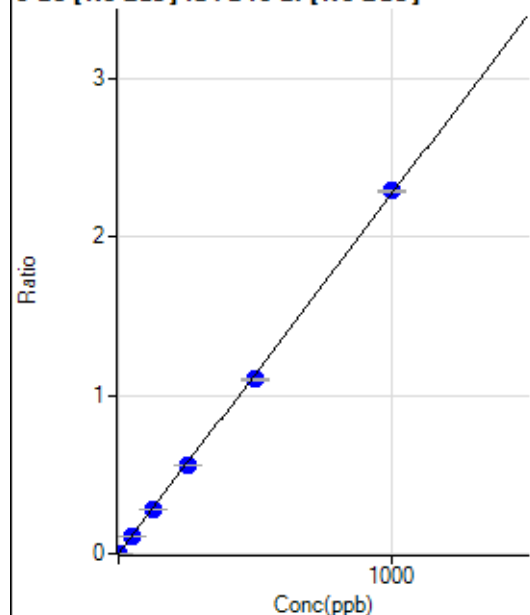


Batch Folder: D:\ICP-MS Data\P711082019 MS.b\
Analysis File: P711082019 MS.batch.bin
DA Date-Time: 2019-11-08 16:29:07
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-11-08 12:52:51
2			
3	005CALS.d	S02	2019-11-08 13:00:22
4	006CALS.d	S03	2019-11-08 13:04:18
5	007CALS.d	S04	2019-11-08 13:08:13
6	008CALS.d	S05	2019-11-08 13:12:06
7	009CALS.d	S06	2019-11-08 13:15:56
8	010CALS.d	S07	2019-11-08 13:19:46
9	011CALS.d	S08	2019-11-08 13:23:32

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.93	0.0000	P	74.2
2	☐	0.100					
3	☐	1.000	1.082	1683.47	0.0025	P	7.2
4	☐	50.000	49.328	76093.95	0.1121	P	0.6
5	☐	125.000	122.748	188301.43	0.2790	P	0.9
6	☐	250.000	244.490	370565.68	0.5556	P	0.7
7	☐	500.000	484.769	734895.82	1.1016	P	0.4
8	☐	1000.000	1009.308	1494537.85	2.2934	P	0.5
9	☐			262.97	0.0004	P	16.4

$$y = 0.0023 * x + 3.8457E-005$$

$$R = 0.9998$$

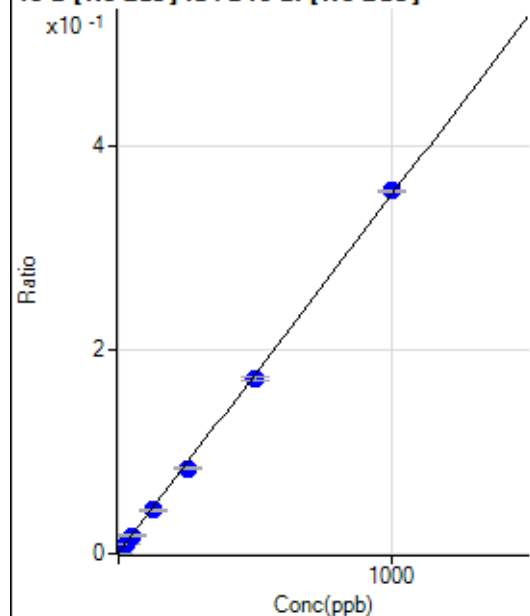
$$DL = 0.03769$$

$$BEC = 0.01692$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	541.70	0.0008	P	9.5
2	☐	2.500					
3	☐	25.000	22.400	5856.90	0.0087	P	0.8
4	☐	50.000	48.510	12116.40	0.0179	P	3.1
5	☐	125.000	119.811	28967.51	0.0429	P	2.0
6	☐	250.000	235.596	55770.32	0.0836	P	1.5
7	☐	500.000	485.289	114324.91	0.1714	P	2.4
8	☐	1000.000	1011.745	232249.87	0.3564	P	0.7
9	☐			10809.81	0.0167	P	4.9

$$y = 3.5147E-004 * x + 8.0604E-004$$

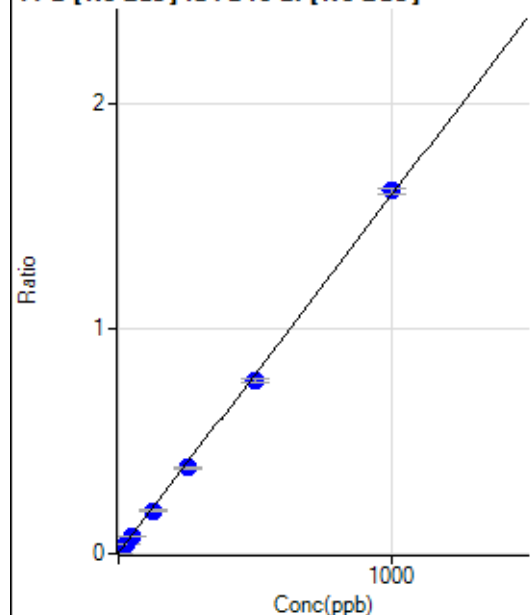
$$R = 0.9997$$

$$DL = 0.651$$

$$BEC = 2.293$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2300.27	0.0034	P	5.6
2	☐	2.500					
3	☐	25.000	23.568	27567.79	0.0409	P	4.0
4	☐	50.000	47.856	53919.45	0.0795	P	2.6
5	☐	125.000	118.339	129207.77	0.1914	P	1.5
6	☐	250.000	237.687	254153.29	0.3810	P	2.1
7	☐	500.000	483.664	514884.51	0.7718	P	2.5
8	☐	1000.000	1012.222	1050090.76	1.6114	P	1.4
9	☐			46963.20	0.0727	P	6.3

$$y = 0.0016 * x + 0.0034$$

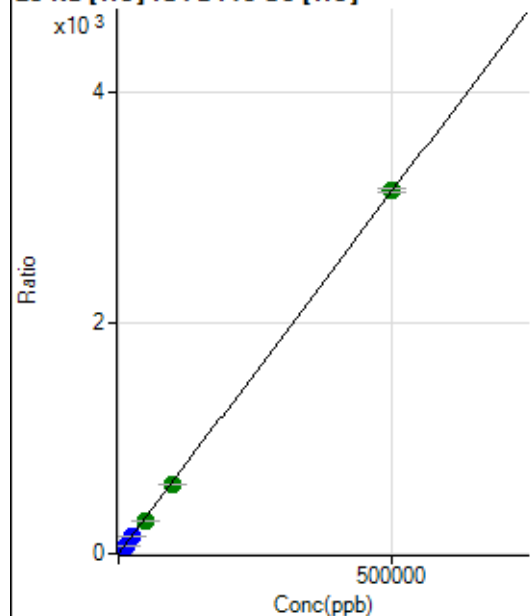
$$R = 0.9997$$

$$DL = 0.3635$$

$$BEC = 2.157$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2422.51	0.0785	P	3.9
2	☐	50.000					
3	☐	500.000	499.859	100342.81	3.2087	P	0.8
4	☐	5000.000	4742.903	946680.03	29.7793	P	0.7
5	☐	12500.000	11770.735	2319738.92	73.7886	P	0.4
6	☐	25000.000	23922.612	4644123.89	149.8854	P	0.3
7	☐	50000.000	45328.076	9126566.26	283.9295	A	1.9
8	☐	100000.00	95575.478	19579979.08	598.5859	A	1.2
9	☐	500000.00	501426.76	107761663.5	3,140.085	A	0.9

$$y = 0.0063 * x + 0.0785$$

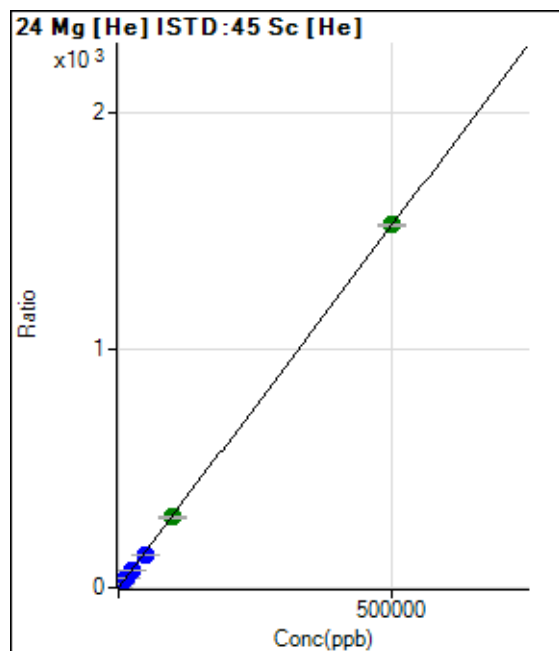
$$R = 0.9999$$

$$DL = 1.479$$

$$BEC = 12.54$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.45	0.0031	P	35.7
2	☐	50.000					
3	☐	500.000	552.378	52740.86	1.6865	P	1.7
4	☐	5000.000	4902.139	475076.65	14.9432	P	2.0
5	☐	12500.000	12051.045	1154712.52	36.7308	P	0.5
6	☐	25000.000	24196.584	2284927.12	73.7465	P	0.4
7	☐	50000.000	45932.205	4499769.11	139.9897	P	2.0
8	☐	100000.00	97026.066	9672576.43	295.7075	A	1.0
9	☐	500000.00	501053.88	52404574.09	1,527.054	A	0.7

$$y = 0.0030 * x + 0.0031$$

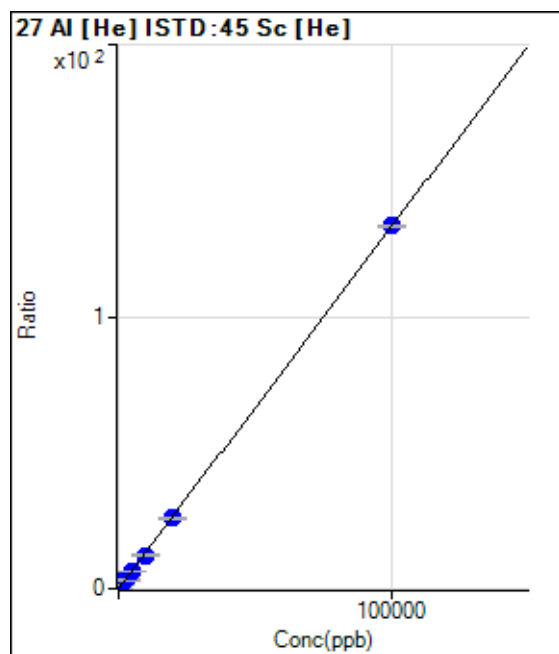
$$R = 1.0000$$

$$DL = 1.078$$

$$BEC = 1.005$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.33	0.0003	P	100.
2	☐	2.000					
3	☐	20.000	2104.730	87580.48	2.8031	P	9.6
4	☐	1000.000	965.572	40884.73	1.2861	P	0.3
5	☐	2500.000	2392.579	100163.11	3.1864	P	2.4
6	☐	5000.000	4837.304	199602.90	6.4419	P	0.5
7	☐	10000.000	9227.025	394966.32	12.2876	P	2.0
8	☐	20000.000	19489.083	848935.42	25.9532	P	1.2
9	☐	100000.00	100190.22	4578635.09	133.4201	P	0.5

$$y = 0.0013 * x + 2.7032E-004$$

$$R = 0.9997$$

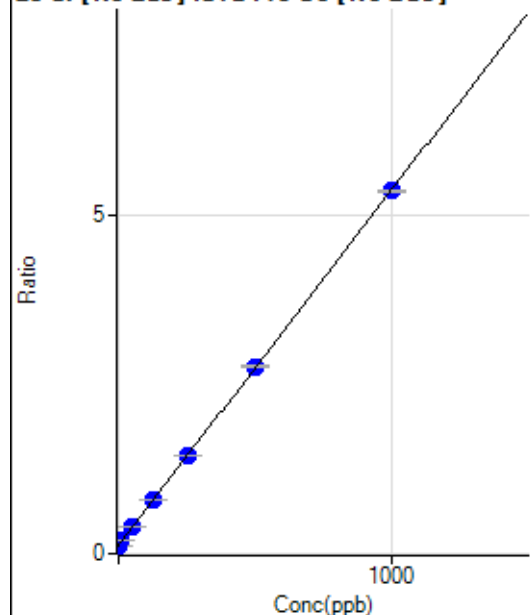
$$DL = 0.6097$$

$$BEC = 0.203$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	108633.74	0.1231	P	1.0
2	☐	1.000					
3	☐	10.000	12.593	170390.42	0.1894	P	3.3
4	☐	50.000	50.695	350812.54	0.3898	P	1.3
5	☐	125.000	127.360	710284.08	0.7930	P	0.8
6	☐	250.000	252.301	1299608.71	1.4502	P	0.7
7	☐	500.000	502.577	2494828.25	2.7667	P	0.7
8	☐	1000.000	997.780	4846010.53	5.3714	P	0.7
9	☐			356396.99	0.3952	P	1.6

$$y = 0.0053 * x + 0.1231$$

$$R = 1.0000$$

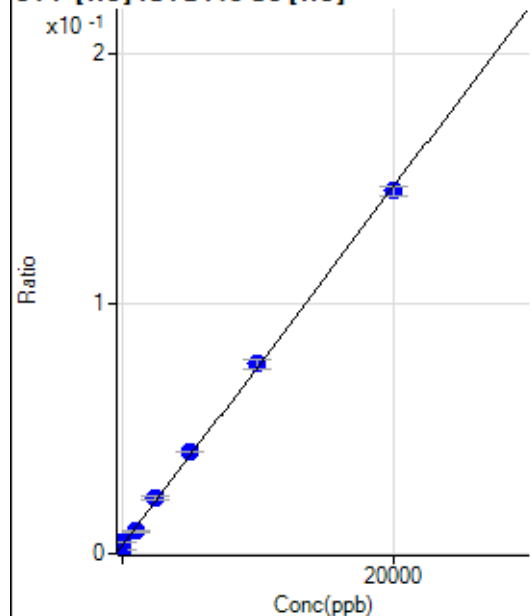
$$DL = 0.6834$$

$$BEC = 23.41$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-196.297	52.78	0.0017	P	9.3
2	☐	0.000					
3	☐	0.000	196.297	141.67	0.0045	P	8.8
4	☐	1000.000	845.112	291.68	0.0092	P	8.4
5	☐	2500.000	2706.667	708.38	0.0225	P	6.8
6	☐	5000.000	5265.849	1266.77	0.0409	P	1.0
7	☐	10000.000	10173.463	2444.75	0.0761	P	4.8
8	☐	20000.000	19828.717	4753.71	0.1453	P	2.4
9	☐			97.23	0.0028	P	26.8

$$y = 7.1713E-006 * x + 0.0031$$

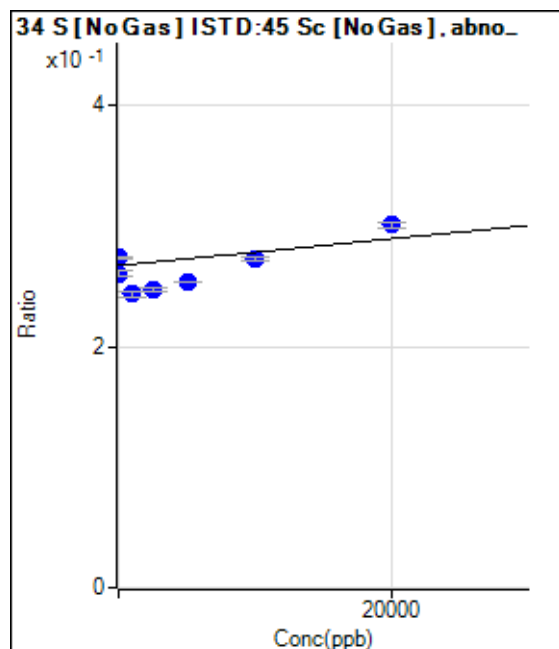
$$R = 0.9996$$

$$DL = 116.6$$

$$BEC = 434.9$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	5820.578	241581.79	0.2738	P	0.8
2	☐	0.000					
3	☐	0.000	-5820.578	234765.97	0.2609	P	2.0
4	☐	1000.000	-20915.27	219651.81	0.2441	P	2.0
5	☐	2500.000	-18190.49	221314.67	0.2471	P	1.3
6	☐	5000.000	-11686.83	227928.97	0.2544	P	0.1
7	☐	10000.000	5146.962	246229.77	0.2731	P	1.0
8	☐	20000.000	30280.302	271586.39	0.3010	P	1.3
9	☐			219228.34	0.2431	P	1.6

$$y = 1.1128\text{E-}006 * x + 0.2674$$

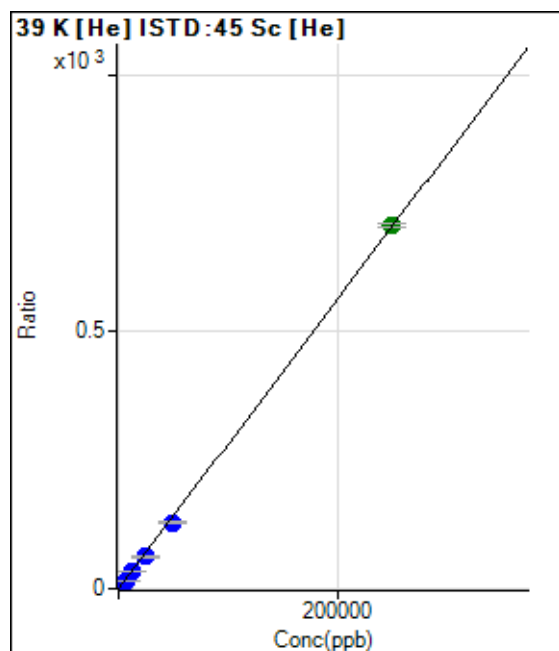
$$R = 0.7941$$

$$DL = 9852$$

$$BEC = 2.403\text{E}+05$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8836.35	0.2865	P	3.7
2	☐	50.000					
3	☐	500.000	497.736	52661.07	1.6841	P	1.6
4	☐	2500.000	2313.266	215615.90	6.7821	P	1.8
5	☐	6250.000	5693.252	511583.33	16.2730	P	0.6
6	☐	12500.000	11482.186	1007824.37	32.5283	P	0.2
7	☐	25000.000	21893.525	1985442.73	61.7631	P	1.2
8	☐	50000.000	45715.433	4208438.76	128.6547	P	1.0
9	☐	250000.00	251234.24	24220290.30	705.7483	A	0.9

$$y = 0.0028 * x + 0.2865$$

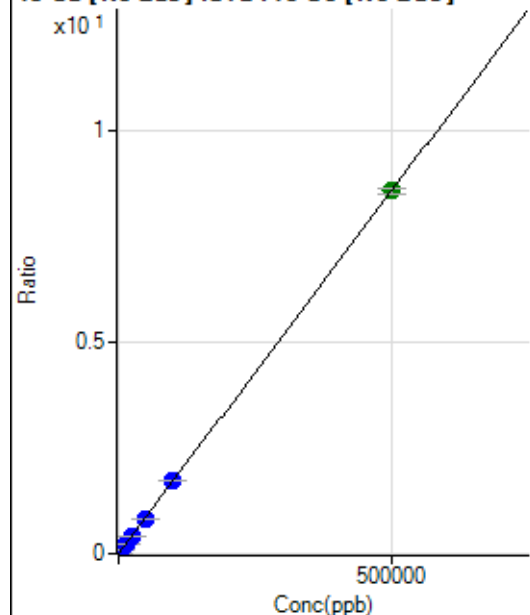
$$R = 0.9998$$

$$DL = 11.22$$

$$BEC = 102$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.11	0.0001	P	20.0
2	☐	50.000					
3	☐	500.000	519.377	8119.27	0.0090	P	3.7
4	☐	5000.000	4956.990	76733.55	0.0853	P	1.7
5	☐	12500.000	12319.538	189657.77	0.2117	P	1.0
6	☐	25000.000	24179.295	372320.91	0.4155	P	0.8
7	☐	50000.000	48297.706	748263.68	0.8298	P	0.1
8	☐	100000.00	100929.04	1564328.89	1.7340	P	0.8
9	☐	500000.00	500030.37	7746446.88	8.5902	A	1.4

$$y = 1.7179\text{E-}005 * x + 9.7582\text{E-}005$$

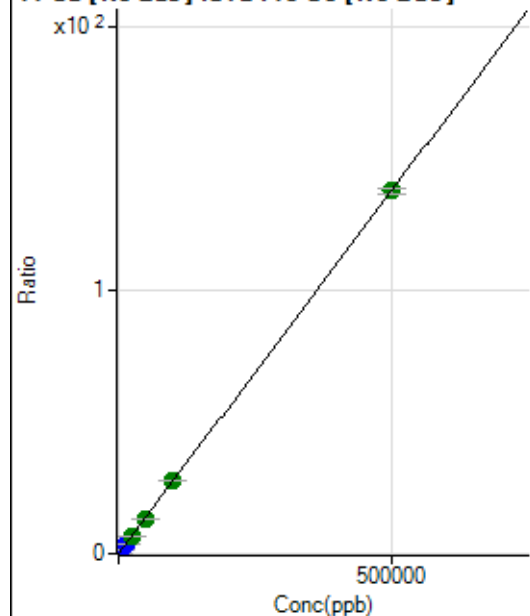
$$R = 1.0000$$

$$DL = 3.402$$

$$BEC = 5.68$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2725.36	0.0031	P	4.1
2	☐	50.000					
3	☐	500.000	520.819	131986.45	0.1467	P	3.0
4	☐	5000.000	4937.025	1227907.79	1.3643	P	1.2
5	☐	12500.000	12239.402	3025231.40	3.3777	P	1.0
6	☐	25000.000	24427.434	6038049.61	6.7381	A	0.8
7	☐	50000.000	48417.781	12039546.02	13.3525	A	1.1
8	☐	100000.00	101216.25	25179068.79	27.9098	A	0.8
9	☐	500000.00	499950.72	124311011.1	137.8465	A	1.3

$$y = 2.7571\text{E-}004 * x + 0.0031$$

$$R = 1.0000$$

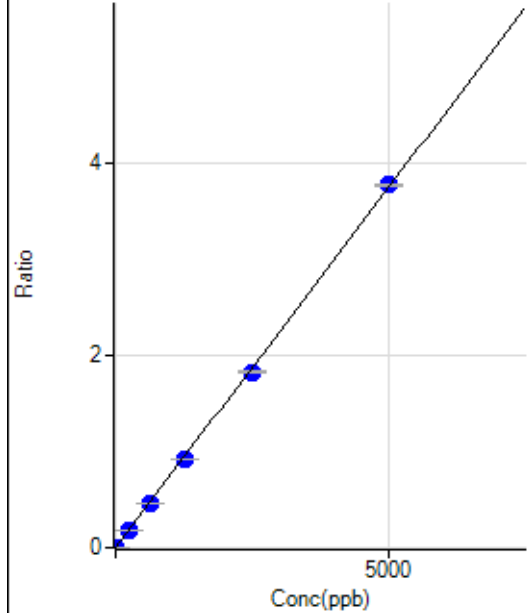
$$DL = 1.374$$

$$BEC = 11.21$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0000	P	21.4
2	☐	0.500					
3	☐	5.000	5.217	3542.22	0.0039	P	2.1
4	☐	250.000	249.653	168453.53	0.1872	P	1.0
5	☐	625.000	615.339	413163.25	0.4613	P	0.6
6	☐	1250.000	1219.573	819289.73	0.9143	P	0.5
7	☐	2500.000	2441.672	1650464.36	1.8304	P	1.4
8	☐	5000.000	5037.995	3407184.84	3.7767	P	0.6
9	☐			1616.83	0.0018	P	6.5

$$y = 7.4963\text{E-}004 * x + 2.5182\text{E-}005$$

$$R = 0.9999$$

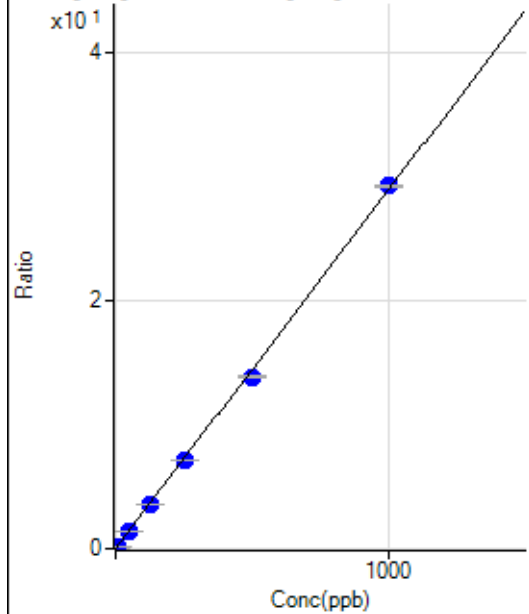
$$DL = 0.02161$$

$$BEC = 0.03359$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.
2	☐	0.500					
3	☐	5.000	5.879	5324.38	0.1702	P	1.6
4	☐	50.000	49.549	45603.88	1.4346	P	1.1
5	☐	125.000	123.405	112320.45	3.5729	P	0.5
6	☐	250.000	248.492	222908.80	7.1944	P	0.2
7	☐	500.000	478.708	445530.80	13.8595	P	1.2
8	☐	1000.000	1011.241	957709.65	29.2774	P	0.5
9	☐			367.79	0.0107	P	7.7

$$y = 0.0290 * x + 3.5931\text{E-}005$$

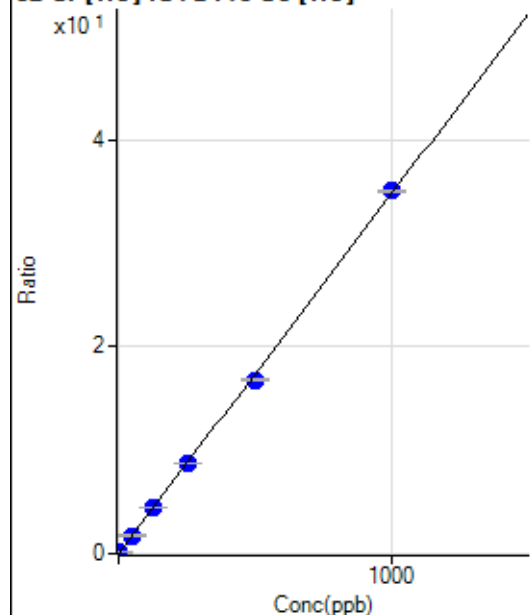
$$R = 0.9997$$

$$DL = 0.006449$$

$$BEC = 0.001241$$

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	208.89	0.0068	P	6.6
2	☐	0.200					
3	☐	2.000	3.654	4185.11	0.1339	P	6.7
4	☐	50.000	50.476	56038.44	1.7629	P	0.9
5	☐	125.000	126.147	138178.49	4.3955	P	0.9
6	☐	250.000	251.013	270800.99	8.7396	P	0.8
7	☐	500.000	482.637	539994.95	16.7979	P	1.0
8	☐	1000.000	1008.258	1147649.89	35.0844	P	0.7
9	☐			48901.08	1.4249	P	1.0

$$y = 0.0348 * x + 0.0068$$

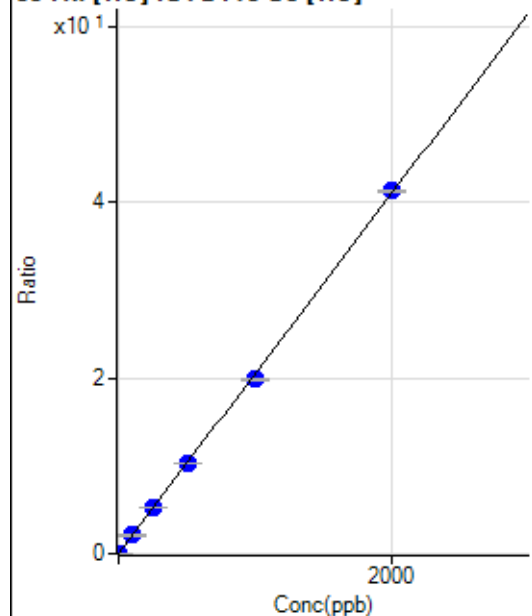
$$R = 0.9998$$

$$DL = 0.03834$$

$$BEC = 0.1947$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	36.66	0.0012	P	15.7
2	☐	0.100					
3	☐	1.000	2.638	1730.13	0.0553	P	6.9
4	☐	100.000	101.787	66399.32	2.0887	P	1.4
5	☐	250.000	253.259	163326.03	5.1952	P	0.6
6	☐	500.000	503.610	320056.76	10.3296	P	0.4
7	☐	1000.000	967.672	637978.91	19.8470	P	1.6
8	☐	2000.000	2014.764	1351685.48	41.3217	P	0.8
9	☐			6464.85	0.1884	P	1.5

$$y = 0.0205 * x + 0.0012$$

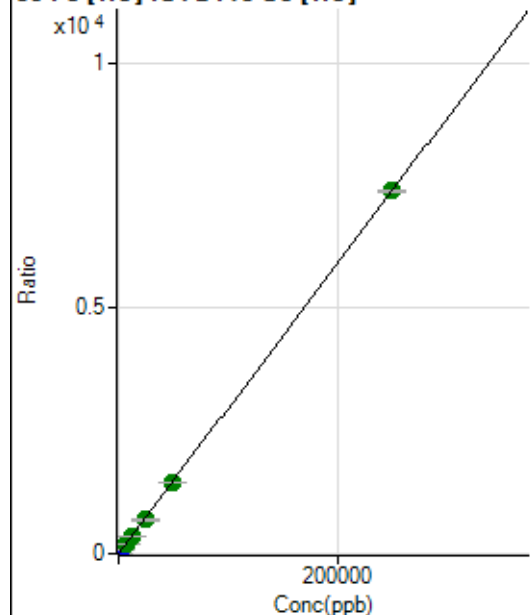
$$R = 0.9998$$

$$DL = 0.02735$$

$$BEC = 0.05795$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1242.68	0.0403	P	5.1
2	☐	5.000					
3	☐	50.000	63.834	60117.63	1.9225	P	2.4
4	☐	2500.000	2459.747	2307032.28	72.5693	P	1.3
5	☐	6250.000	6101.978	5657478.77	179.9655	A	0.9
6	☐	12500.000	12198.461	11145646.08	359.7288	A	0.2
7	☐	25000.000	23318.670	22104785.91	687.6235	A	1.2
8	☐	50000.000	48746.092	47019694.11	1,437.386	A	0.7
9	☐	250000.00	250438.09	253422444.5	7,384.553	A	0.6

$$y = 0.0295 * x + 0.0403$$

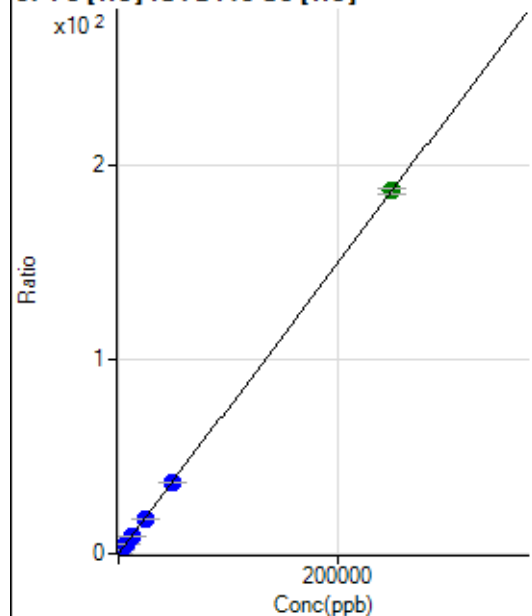
$$R = 1.0000$$

$$DL = 0.2074$$

$$BEC = 1.366$$

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	125.93	0.0041	P	13.6
2	☐	5.000					
3	☐	50.000	61.699	1564.94	0.0501	P	3.3
4	☐	2500.000	2461.545	58439.00	1.8382	P	0.9
5	☐	6250.000	6089.661	142767.50	4.5415	P	1.2
6	☐	12500.000	12281.419	283656.62	9.1550	P	0.4
7	☐	25000.000	23482.319	562585.59	17.5009	P	1.2
8	☐	50000.000	48625.113	1185276.96	36.2349	P	0.7
9	☐	250000.00	250442.06	6403718.32	186.6100	A	1.5

$$y = 7.4511E-004 * x + 0.0041$$

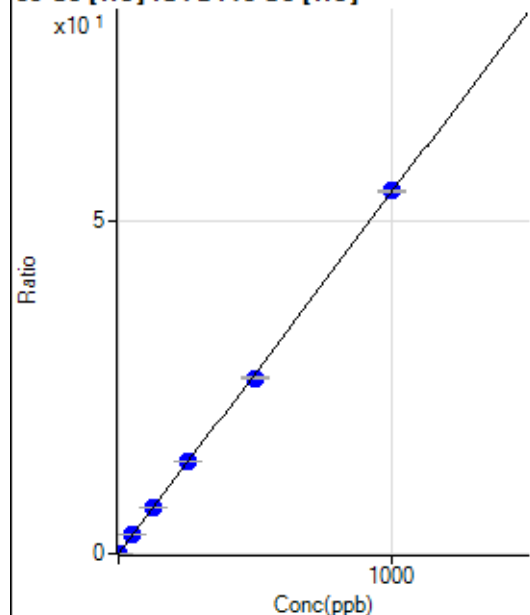
$$R = 1.0000$$

$$DL = 2.242$$

$$BEC = 5.48$$

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	21.11	0.0007	P	36.6
2	☐	0.100					
3	☐	1.000	1.082	1859.04	0.0594	P	0.5
4	☐	50.000	52.099	89952.52	2.8297	P	0.9
5	☐	125.000	128.516	219396.16	6.9790	P	1.0
6	☐	250.000	256.083	430846.04	13.9059	P	0.3
7	☐	500.000	486.840	849837.76	26.4359	P	0.9
8	☐	1000.000	1004.515	1784216.19	54.5454	P	0.9
9	☐			4057.29	0.1182	P	2.1

$$y = 0.0543 * x + 6.8470E-004$$

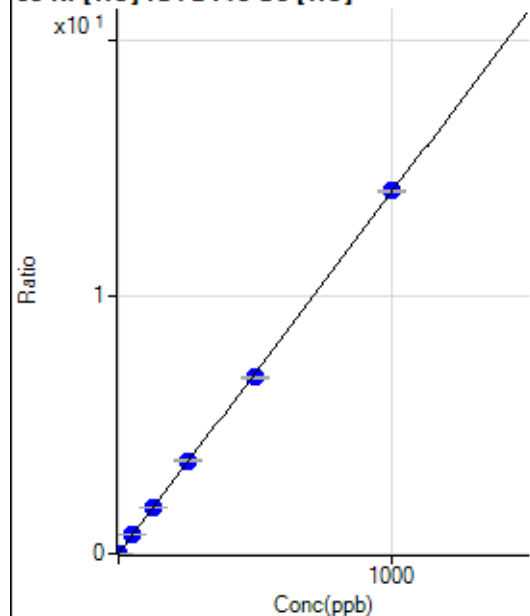
$$R = 0.9998$$

$$DL = 0.01385$$

$$BEC = 0.01261$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.89	0.0003	P	43.1
2	☐	0.100					
3	☐	1.000	1.496	666.69	0.0213	P	5.5
4	☐	50.000	52.560	23511.26	0.7396	P	3.1
5	☐	125.000	129.206	57142.06	1.8177	P	0.6
6	☐	250.000	257.661	112301.88	3.6245	P	0.4
7	☐	500.000	487.456	220415.12	6.8567	P	1.5
8	☐	1000.000	1003.702	461813.67	14.1181	P	0.6
9	☐			13392.94	0.3902	P	2.2

$$y = 0.0141 * x + 2.8809E-004$$

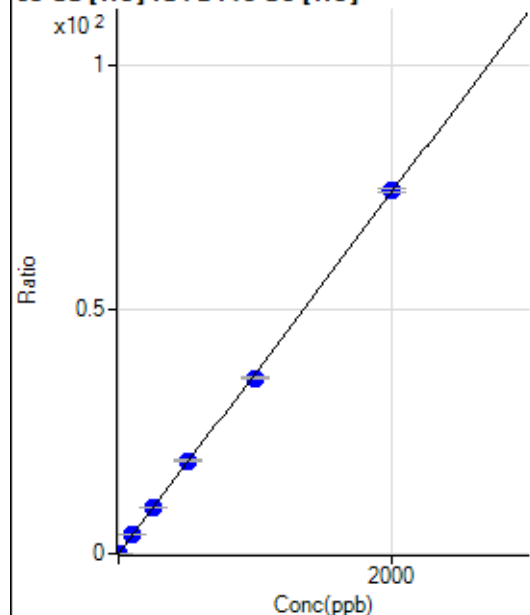
$$R = 0.9998$$

$$DL = 0.02649$$

$$BEC = 0.02048$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	248.90	0.0081	P	13.3
2	☐	0.200					
3	☐	2.000	3.489	4284.07	0.1370	P	3.6
4	☐	100.000	104.758	123350.91	3.8801	P	1.5
5	☐	250.000	258.067	300132.16	9.5468	P	0.2
6	☐	500.000	515.815	590962.75	19.0737	P	0.7
7	☐	1000.000	970.627	1153535.52	35.8845	P	1.4
8	☐	2000.000	2009.485	2429815.31	74.2830	P	1.1
9	☐			5346.63	0.1558	P	0.6

$$y = 0.0370 * x + 0.0081$$

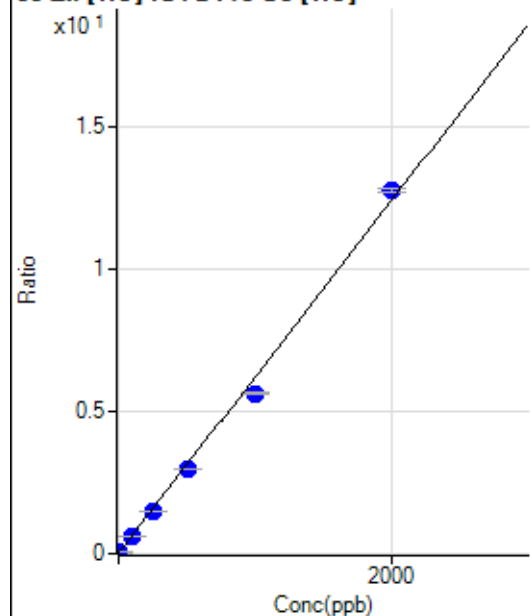
$$R = 0.9998$$

$$DL = 0.08729$$

$$BEC = 0.2183$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	583.36	0.0189	P	6.3
2	☐	0.200					
3	☐	2.000	6.606	1872.37	0.0599	P	5.4
4	☐	100.000	96.901	19713.53	0.6201	P	0.5
5	☐	250.000	240.235	47454.84	1.5094	P	0.4
6	☐	500.000	478.260	92527.75	2.9863	P	0.5
7	☐	1000.000	903.224	180756.22	5.6229	P	1.2
8	☐	2000.000	2055.194	417725.14	12.7703	P	1.2
9	☐			8549.29	0.2491	P	1.9

$$y = 0.0062 * x + 0.0189$$

$$R = 0.9982$$

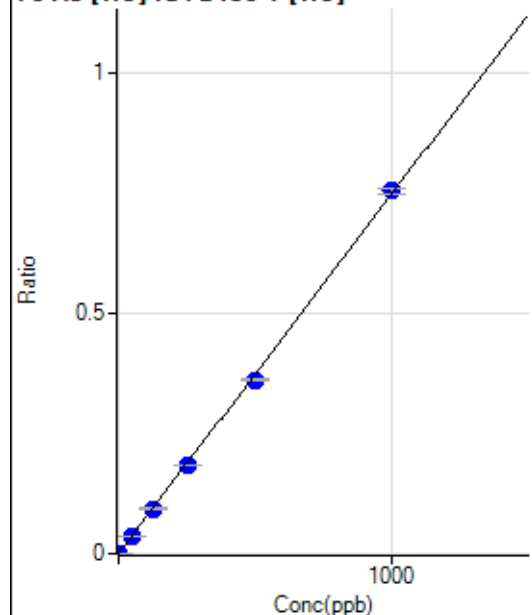
$$DL = 0.5736$$

$$BEC = 3.048$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.47	0.0000	P	173.
2	☐	0.100					
3	☐	1.000	1.028	130.25	0.0008	P	21.3
4	☐	50.000	49.840	6130.35	0.0373	P	1.5
5	☐	125.000	125.450	15435.41	0.0938	P	2.2
6	☐	250.000	245.380	30139.28	0.1835	P	0.9
7	☐	500.000	483.808	59858.82	0.3619	P	1.2
8	☐	1000.000	1009.203	125804.50	0.7548	P	1.4
9	☐			67.28	0.0004	P	7.6

$$y = 7.4791\text{E-}004 * x + 1.5146\text{E-}005$$

$$R = 0.9998$$

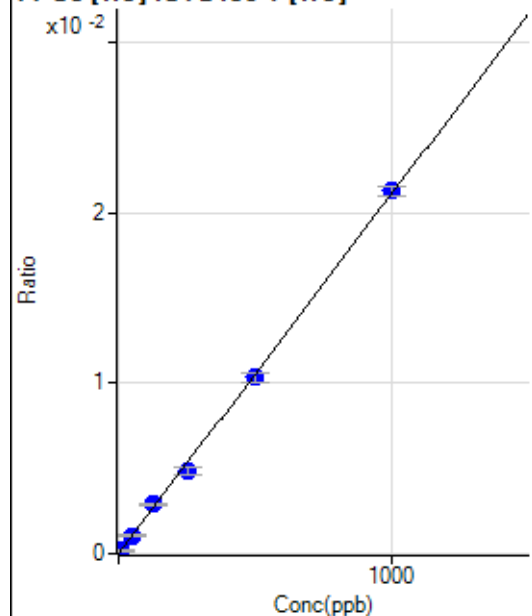
$$DL = 0.1052$$

$$BEC = 0.02025$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	8.575	30.00	0.0002	P	33.7
4	☐	50.000	50.625	175.56	0.0011	P	14.1
5	☐	125.000	137.096	475.57	0.0029	P	3.7
6	☐	250.000	229.579	794.48	0.0048	P	8.6
7	☐	500.000	489.718	1707.91	0.0103	P	5.9
8	☐	1000.000	1008.685	3544.94	0.0213	P	2.6
9	☐			1.11	0.0000	P	173.

$$y = 2.1085\text{E-}005 * x + 0.0000\text{E+}000$$

$$R = 0.9995$$

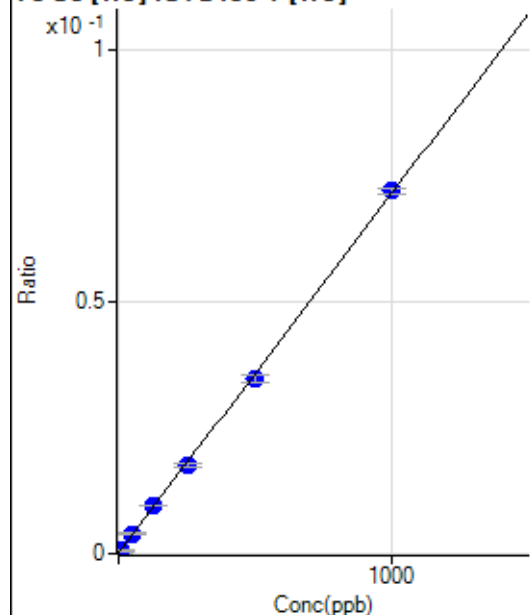
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.84	0.0001	P	35.7
2	☐	0.500					
3	☐	5.000	6.729	103.09	0.0006	P	19.9
4	☐	50.000	52.989	643.23	0.0039	P	10.5
5	☐	125.000	132.475	1576.03	0.0096	P	2.6
6	☐	250.000	245.700	2897.23	0.0176	P	4.1
7	☐	500.000	484.518	5733.89	0.0347	P	3.9
8	☐	1000.000	1007.723	11988.98	0.0719	P	1.8
9	☐			44.44	0.0003	P	41.0

$$y = 7.1243\text{E-}005 * x + 1.4145\text{E-}004$$

$$R = 0.9998$$

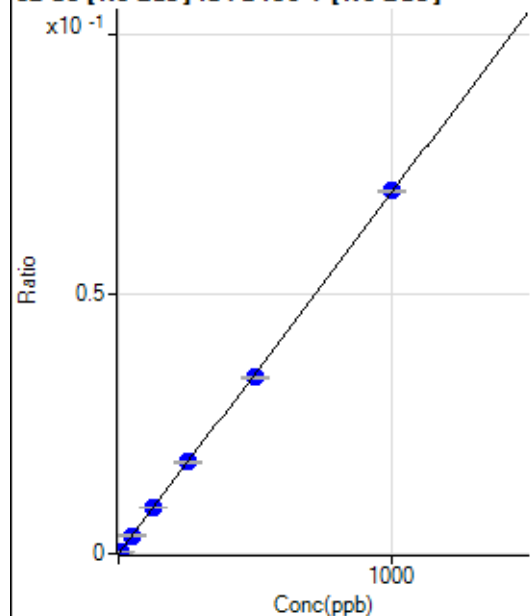
$$DL = 2.126$$

$$BEC = 1.985$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	48.56	0.0000	P	6.7
2	☐	0.500					
3	☐	5.000	5.289	544.89	0.0004	P	14.9
4	☐	50.000	49.853	4789.23	0.0035	P	1.4
5	☐	125.000	126.799	12016.24	0.0089	P	0.8
6	☐	250.000	252.714	23715.91	0.0176	P	0.1
7	☐	500.000	488.215	47030.88	0.0340	P	0.6
8	☐	1000.000	1004.995	94769.58	0.0700	P	0.6
9	☐			36.41	0.0000	P	225.

$$y = 6.9588\text{E-}005 * x + 3.6648\text{E-}005$$

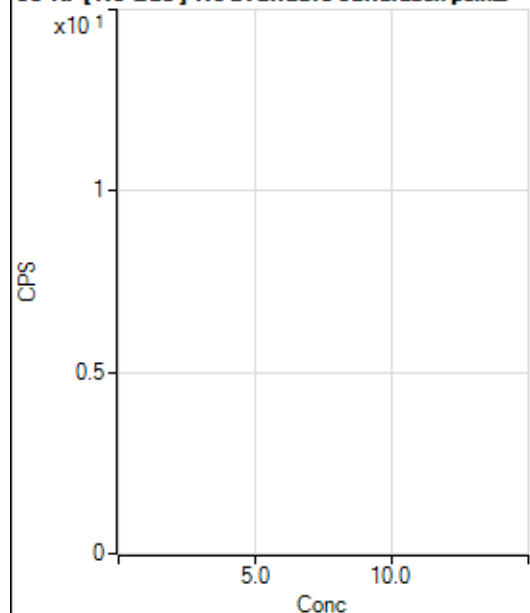
$$R = 0.9999$$

$$DL = 0.1052$$

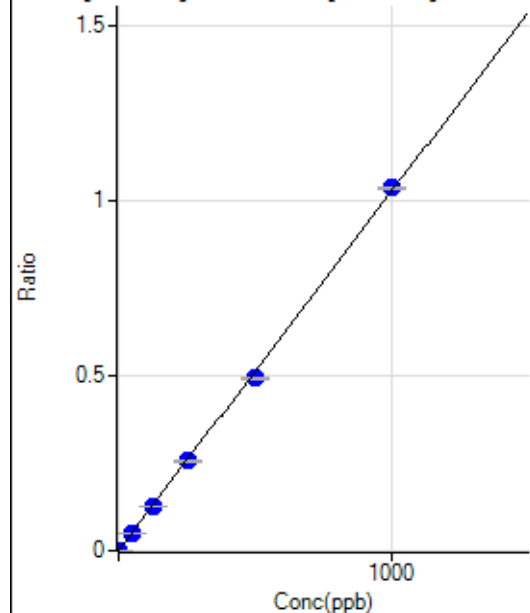
$$BEC = 0.5266$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			622.24		P	2.2
2	☐						
3	☐			655.58		P	13.5
4	☐			690.03		P	5.5
5	☐			644.47		P	3.5
6	☐			658.91		P	10.0
7	☐			703.36		P	11.3
8	☐			743.37		P	5.6
9	☐			761.15		P	7.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1108.42	0.0008	P	11.9
2	☐	0.100					
3	☐	1.000	1.065	2597.56	0.0019	P	1.8
4	☐	50.000	49.750	70750.31	0.0518	P	1.2
5	☐	125.000	123.321	172426.80	0.1271	P	0.9
6	☐	250.000	248.614	343797.50	0.2555	P	1.2
7	☐	500.000	480.779	682046.80	0.4932	P	1.2
8	☐	1000.000	1010.179	1402442.84	1.0355	P	0.3
9	☐			6932.50	0.0053	P	9.2

$$y = 0.0010 * x + 8.3657E-004$$

$$R = 0.9997$$

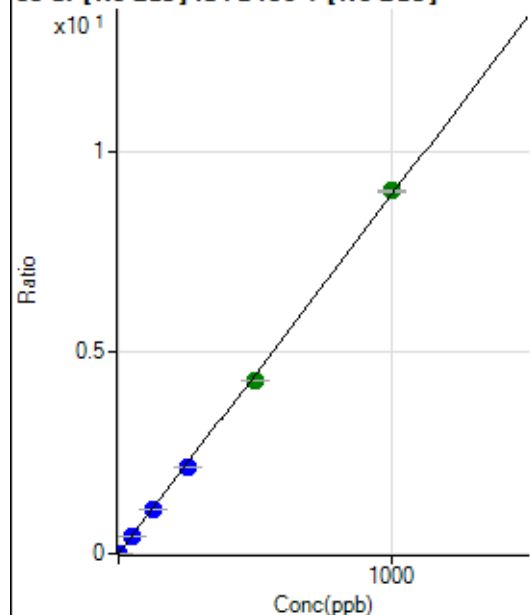
$$DL = 0.2917$$

$$BEC = 0.8168$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0000	P	28.9
2	☐	0.100					
3	☐	1.000	1.077	12973.03	0.0096	P	3.5
4	☐	50.000	49.779	605533.75	0.4433	P	0.5
5	☐	125.000	122.580	1480239.50	1.0915	P	0.7
6	☐	250.000	242.337	2903910.22	2.1578	P	1.2
7	☐	500.000	480.974	5922146.40	4.2826	A	0.4
8	☐	1000.000	1011.742	12201261.47	9.0085	A	0.3
9	☐			51641.49	0.0394	P	1.1

$$y = 0.0089 * x + 3.7739E-005$$

$$R = 0.9997$$

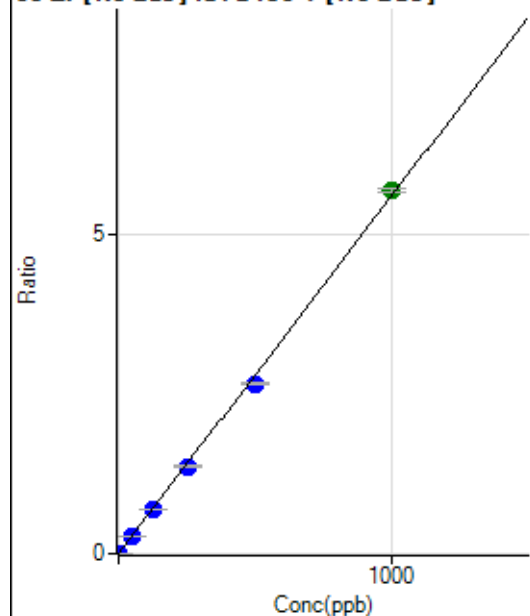
$$DL = 0.003669$$

$$BEC = 0.004238$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	111.12	0.0001	P	11.5
2	☐	0.100					
3	☐	1.000	0.917	7052.04	0.0052	P	2.5
4	☐	50.000	48.648	373202.12	0.2732	P	1.2
5	☐	125.000	121.898	928194.38	0.6844	P	0.5
6	☐	250.000	244.099	1844236.96	1.3704	P	1.3
7	☐	500.000	474.932	3687018.14	2.6663	P	0.6
8	☐	1000.000	1014.465	7713366.41	5.6952	A	1.2
9	☐			2250.27	0.0017	P	8.1

$$y = 0.0056 * x + 8.3869E-005$$

$$R = 0.9995$$

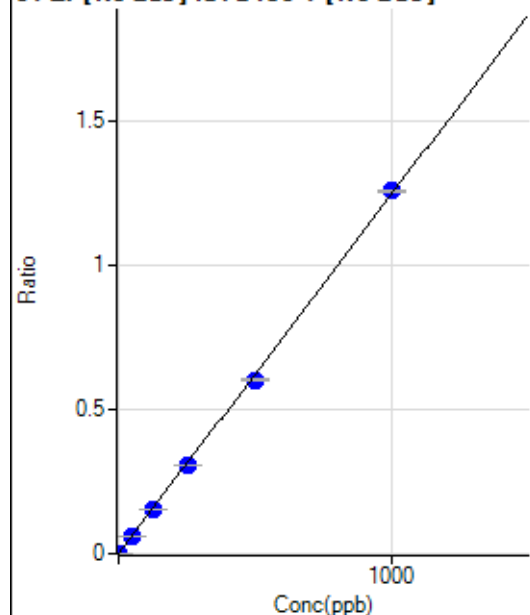
$$DL = 0.005142$$

$$BEC = 0.01494$$

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	8.33	0.0000	P	100.
2	☐	0.100					
3	☐	1.000	0.981	1655.72	0.0012	P	14.8
4	☐	50.000	48.505	82655.76	0.0605	P	1.5
5	☐	125.000	121.496	205523.24	0.1515	P	0.6
6	☐	250.000	247.036	414664.82	0.3081	P	0.5
7	☐	500.000	483.197	833364.10	0.6027	P	1.1
8	☐	1000.000	1009.655	1705599.63	1.2593	P	0.5
9	☐			511.14	0.0004	P	16.5

$$y = 0.0012 * x + 6.2876E-006$$

$$R = 0.9998$$

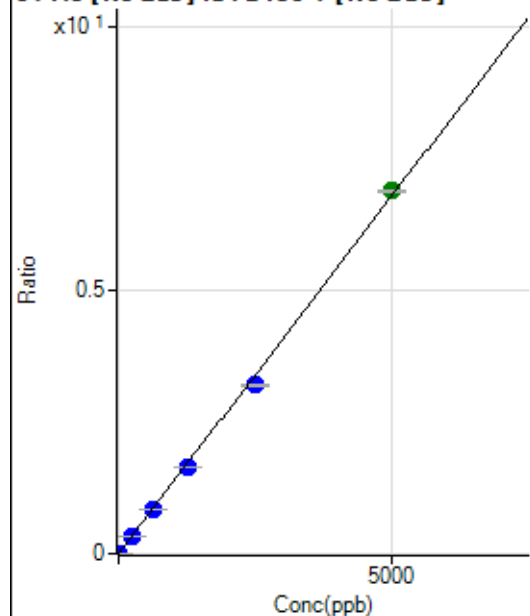
$$DL = 0.01512$$

$$BEC = 0.005041$$

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	44.44	0.0000	P	21.7
2	☐	0.500					
3	☐	5.000	5.185	9528.61	0.0071	P	4.2
4	☐	250.000	245.389	455013.86	0.3331	P	0.7
5	☐	625.000	611.560	1125716.41	0.8300	P	0.5
6	☐	1250.000	1220.946	2230112.44	1.6571	P	0.4
7	☐	2500.000	2366.171	4440589.64	3.2114	P	1.2
8	☐	5000.000	5076.088	9330864.70	6.8893	A	0.6
9	☐			8519.53	0.0065	P	4.0

$$y = 0.0014 * x + 3.3546E-005$$

$$R = 0.9995$$

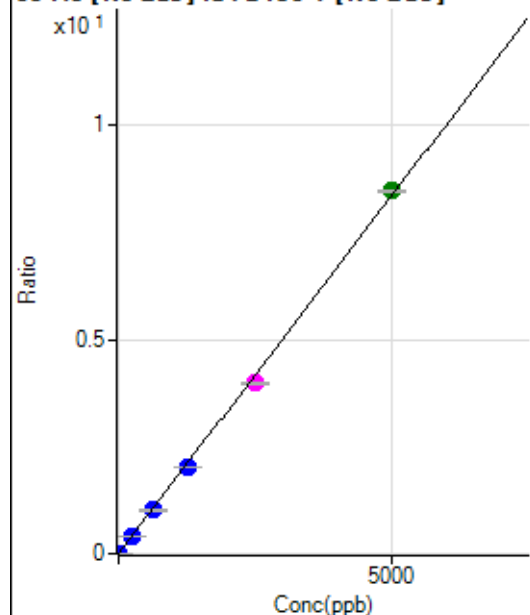
$$DL = 0.01609$$

$$BEC = 0.02472$$

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	11.11	0.0000	P	43.3
2	☐	0.500					
3	☐	5.000	5.146	11596.78	0.0086	P	2.0
4	☐	250.000	244.689	558350.52	0.4087	P	1.0
5	☐	625.000	606.635	1374270.02	1.0133	P	1.0
6	☐	1250.000	1215.400	2732119.55	2.0302	P	0.5
7	☐	2500.000	2379.849	5497408.50	3.9752	M	1.3
8	☐	5000.000	5071.287	11472833.94	8.4709	A	0.5
9	☐			12847.96	0.0098	P	3.1

$$y = 0.0017 * x + 8.3841E-006$$

$$R = 0.9995$$

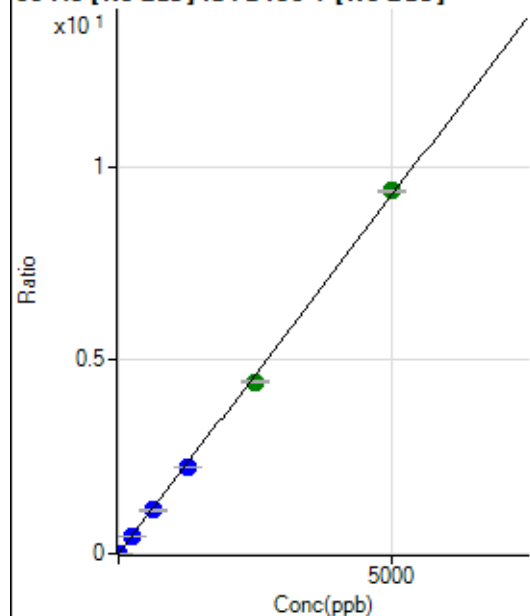
$$DL = 0.006517$$

$$BEC = 0.005019$$

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	30.56	0.0000	P	56.8
2	☐	0.500					
3	☐	5.000	5.123	12820.15	0.0095	P	1.7
4	☐	250.000	242.805	614373.47	0.4497	P	2.0
5	☐	625.000	604.119	1517544.91	1.1190	P	1.4
6	☐	1250.000	1204.640	3002793.99	2.2312	P	0.5
7	☐	2500.000	2398.595	6143319.28	4.4427	A	0.7
8	☐	5000.000	5065.012	12706066.43	9.3814	A	0.4
9	☐			19452.84	0.0148	P	2.3

$$y = 0.0019 * x + 2.3064E-005$$

$$R = 0.9997$$

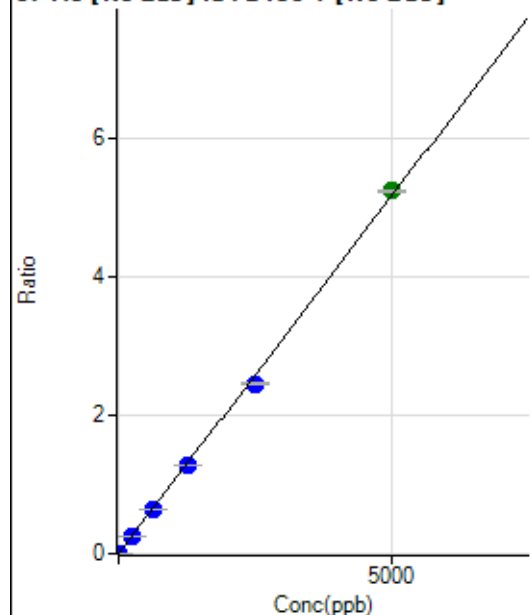
$$DL = 0.02121$$

$$BEC = 0.01245$$

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	11.11	0.0000	P	43.3
2	☐	0.500					
3	☐	5.000	5.168	7204.88	0.0053	P	4.3
4	☐	250.000	244.838	345490.02	0.2529	P	1.3
5	☐	625.000	609.174	853349.26	0.6292	P	1.1
6	☐	1250.000	1229.883	1709699.28	1.2704	P	0.9
7	☐	2500.000	2369.077	3383742.83	2.4471	P	1.1
8	☐	5000.000	5072.727	7096749.90	5.2398	A	0.6
9	☐			7999.81	0.0061	P	1.6

$$y = 0.0010 * x + 8.3841E-006$$

$$R = 0.9995$$

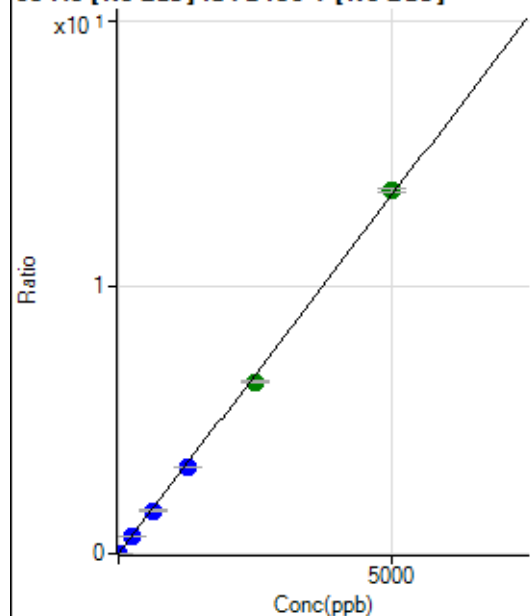
$$DL = 0.01054$$

$$BEC = 0.008117$$

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	16.67	0.0000	P	50.0
2	☐	0.500					
3	☐	5.000	5.293	19174.71	0.0142	P	2.6
4	☐	250.000	242.269	888758.56	0.6506	P	1.6
5	☐	625.000	601.463	2190465.83	1.6152	P	1.2
6	☐	1250.000	1201.677	4342745.97	3.2270	P	0.4
7	☐	2500.000	2401.210	8916589.61	6.4482	A	0.9
8	☐	5000.000	5064.804	18421039.99	13.6009	A	1.1
9	☐			20868.65	0.0159	P	1.8

$$y = 0.0027 * x + 1.2577E-005$$

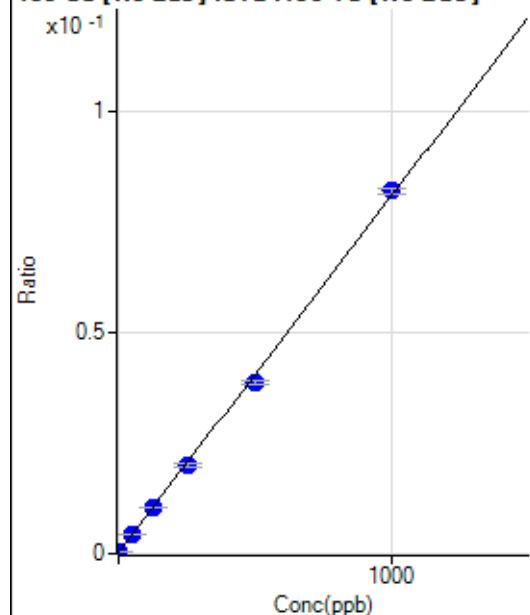
$$R = 0.9997$$

$$DL = 0.00702$$

$$BEC = 0.004684$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	494.47	0.0003	P	0.5
2	☐	0.100					
3	☐	1.000	0.818	616.71	0.0004	P	9.9
4	☐	50.000	48.708	6763.03	0.0042	P	0.4
5	☐	125.000	124.592	16368.39	0.0104	P	2.3
6	☐	250.000	243.936	31856.28	0.0200	P	3.0
7	☐	500.000	475.848	63398.72	0.0387	P	1.7
8	☐	1000.000	1013.708	130435.45	0.0821	P	1.4
9	☐			425.02	0.0003	P	16.7

$$y = 8.0680\text{E-}005 * x + 3.1675\text{E-}004$$

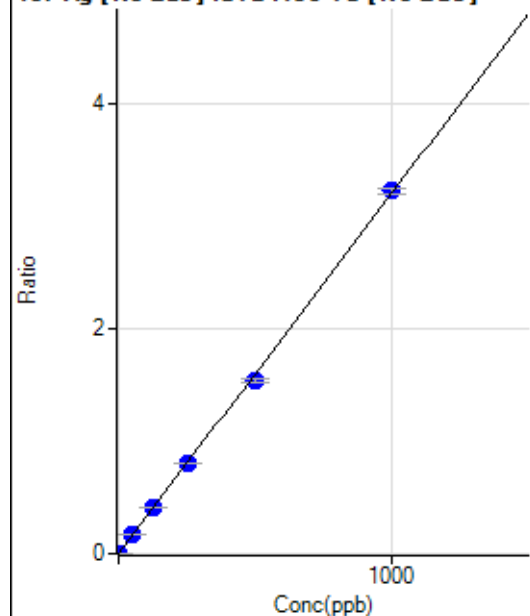
$$R = 0.9996$$

$$DL = 0.05431$$

$$BEC = 3.926$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.00	0.0000	P	34.4
2	☐	0.100					
3	☐	1.000	1.038	5387.39	0.0033	P	1.0
4	☐	50.000	51.895	265005.13	0.1664	P	0.9
5	☐	125.000	130.056	658175.43	0.4170	P	0.1
6	☐	250.000	251.945	1286991.34	0.8078	P	0.5
7	☐	500.000	481.795	2530092.35	1.5447	P	1.6
8	☐	1000.000	1007.889	5133882.80	3.2315	P	1.3
9	☐			1069.54	0.0007	P	24.9

$$y = 0.0032 * x + 1.6061\text{E-}005$$

$$R = 0.9997$$

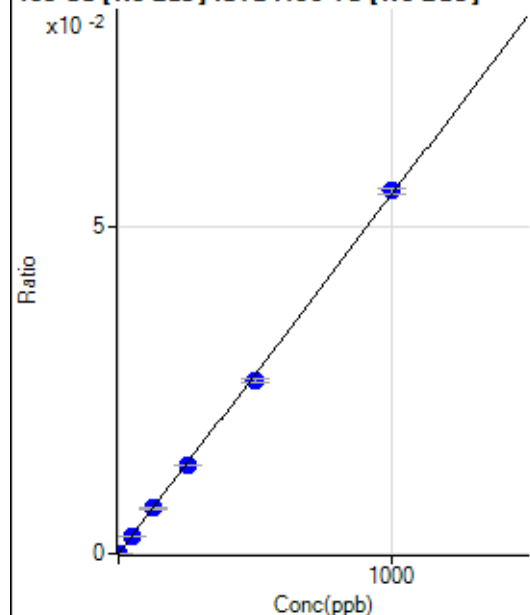
$$DL = 0.005175$$

$$BEC = 0.00501$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.78	0.0000	P	86.6
2	☐	0.100					
3	☐	1.000	1.004	91.67	0.0001	P	17.2
4	☐	50.000	49.126	4300.74	0.0027	P	2.5
5	☐	125.000	126.099	10937.72	0.0069	P	0.7
6	☐	250.000	246.540	21583.32	0.0135	P	1.0
7	☐	500.000	480.459	43241.08	0.0264	P	2.3
8	☐	1000.000	1010.542	88210.41	0.0555	P	1.7
9	☐			27.78	0.0000	P	33.4

$$y = 5.4943\text{E-}005 * x + 1.7771\text{E-}006$$

$$R = 0.9997$$

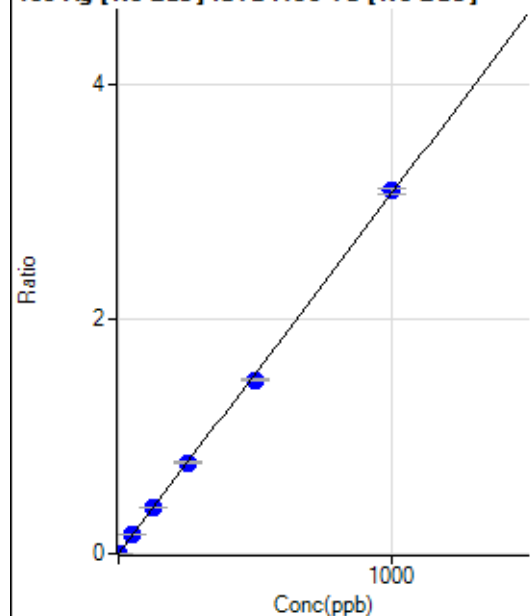
$$DL = 0.08405$$

$$BEC = 0.03234$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	109.
2	☐	0.100					
3	☐	1.000	1.075	5356.80	0.0033	P	0.3
4	☐	50.000	52.843	258534.82	0.1623	P	0.5
5	☐	125.000	129.885	629712.48	0.3990	P	0.5
6	☐	250.000	252.192	1234100.36	0.7747	P	1.3
7	☐	500.000	482.407	2427051.18	1.4818	P	1.4
8	☐	1000.000	1007.495	4916473.33	3.0947	P	1.3
9	☐			1052.86	0.0007	P	16.1

$$y = 0.0031 * x + 2.1435\text{E-}005$$

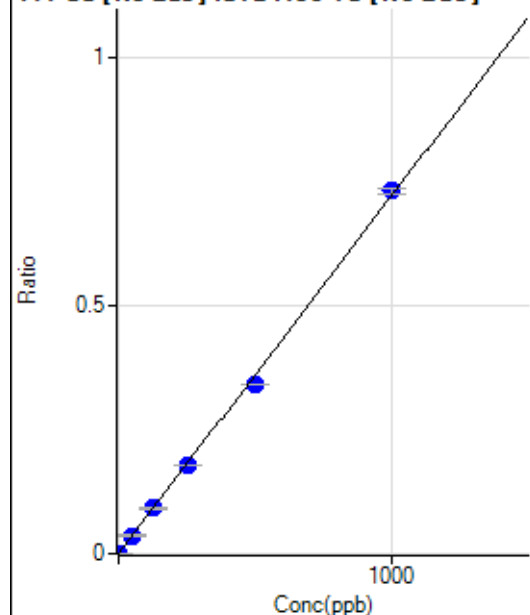
$$R = 0.9997$$

$$DL = 0.02285$$

$$BEC = 0.006978$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	348.35	0.0002	P	1.2
2	☐	0.100					
3	☐	1.000	1.024	1550.94	0.0010	P	4.8
4	☐	50.000	50.704	58671.45	0.0368	P	2.1
5	☐	125.000	126.547	144588.41	0.0916	P	1.6
6	☐	250.000	246.067	283473.41	0.1779	P	1.0
7	☐	500.000	473.272	560234.86	0.3420	P	0.8
8	☐	1000.000	1014.119	1163907.28	0.7326	P	1.6
9	☐			568.36	0.0004	P	12.5

$$y = 7.2221\text{E-}004 * x + 2.2315\text{E-}004$$

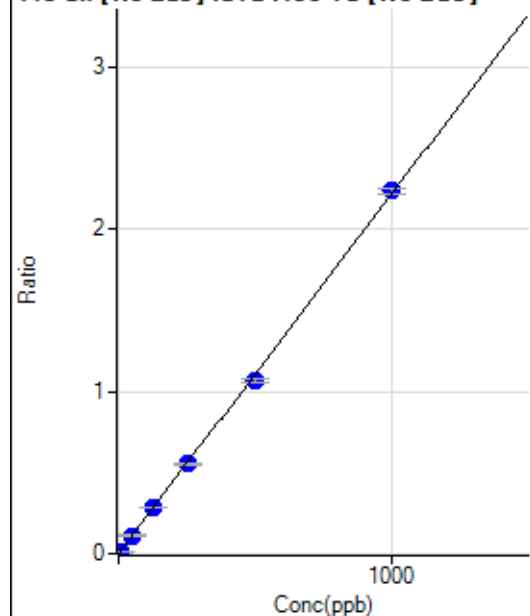
$$R = 0.9995$$

$$DL = 0.01154$$

$$BEC = 0.309$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	313.90	0.0002	P	36.3
2	☐	0.500					
3	☐	5.000	5.210	18924.55	0.0117	P	2.0
4	☐	50.000	50.598	178822.75	0.1123	P	2.2
5	☐	125.000	126.463	442492.26	0.2804	P	1.0
6	☐	250.000	248.763	878325.35	0.5513	P	0.8
7	☐	500.000	482.181	1749976.97	1.0684	P	1.5
8	☐	1000.000	1009.005	3551646.00	2.2356	P	1.3
9	☐			2105.80	0.0014	P	3.0

$$y = 0.0022 * x + 2.0042\text{E-}004$$

$$R = 0.9998$$

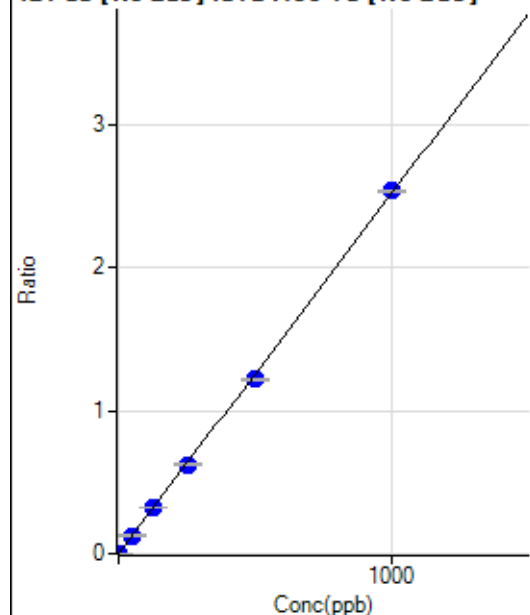
$$DL = 0.09851$$

$$BEC = 0.09047$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27.78	0.0000	P	61.9
2	☐	0.200					
3	☐	2.000	2.035	8275.01	0.0051	P	3.7
4	☐	50.000	50.663	202859.14	0.1274	P	1.7
5	☐	125.000	127.034	504089.21	0.3194	P	0.8
6	☐	250.000	247.713	992164.95	0.6228	P	1.3
7	☐	500.000	484.599	1995588.85	1.2183	P	1.1
8	☐	1000.000	1007.985	4026287.42	2.5342	P	0.6
9	☐			4417.56	0.0030	P	3.4

$$y = 0.0025 * x + 1.7744E-005$$

$$R = 0.9998$$

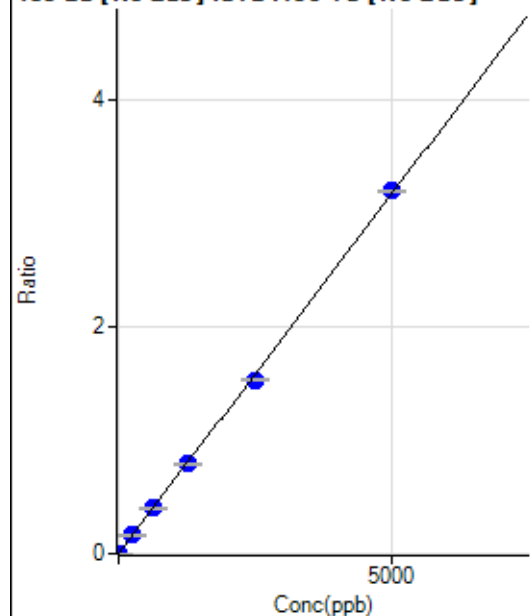
$$DL = 0.0131$$

$$BEC = 0.007058$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19.44	0.0000	P	64.2
2	☐	1.000					
3	☐	10.000	10.673	10921.40	0.0068	P	1.0
4	☐	250.000	255.113	257472.93	0.1617	P	1.4
5	☐	625.000	633.906	633982.10	0.4017	P	1.8
6	☐	1250.000	1244.717	1256739.92	0.7888	P	0.8
7	☐	2500.000	2409.475	2501006.96	1.5269	P	1.1
8	☐	5000.000	5045.213	5079665.39	3.1972	P	0.7
9	☐			1175.10	0.0008	P	14.4

$$y = 6.3371E-004 * x + 1.2383E-005$$

$$R = 0.9997$$

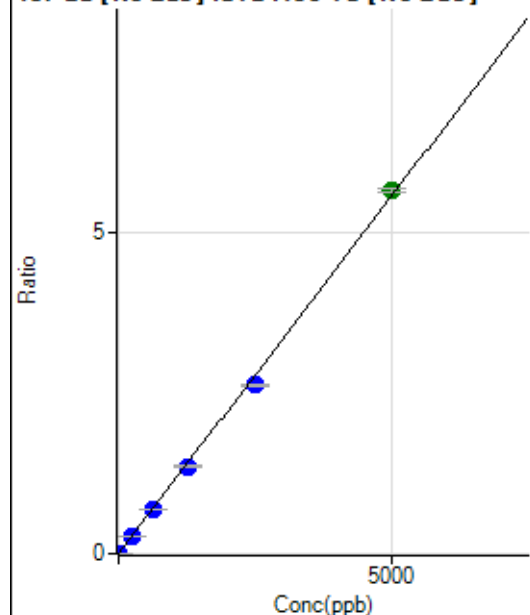
$$DL = 0.03763$$

$$BEC = 0.01954$$

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	50.00	0.0000	P	32.3
2	☐	1.000					
3	☐	10.000	10.491	18849.42	0.0117	P	0.6
4	☐	250.000	249.720	442104.54	0.2776	P	1.4
5	☐	625.000	621.710	1090758.95	0.6911	P	1.2
6	☐	1250.000	1222.595	2165280.63	1.3591	P	0.4
7	☐	2500.000	2364.795	4305765.37	2.6287	P	1.1
8	☐	5000.000	5074.878	8962466.60	5.6412	A	1.2
9	☐			2030.79	0.0014	P	6.6

$$y = 0.0011 * x + 3.1962E-005$$

$$R = 0.9994$$

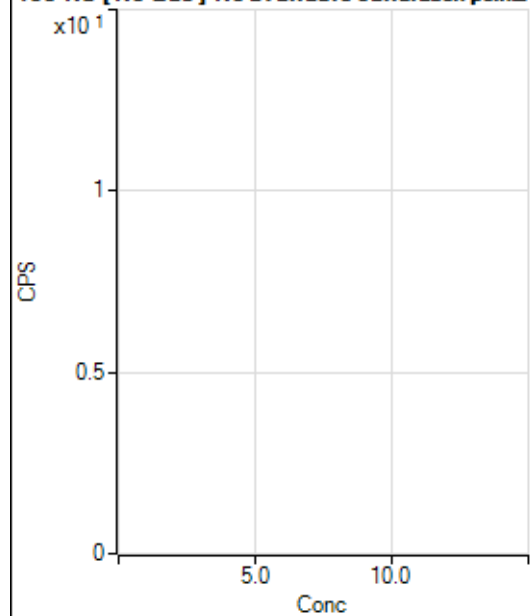
$$DL = 0.02785$$

$$BEC = 0.02875$$

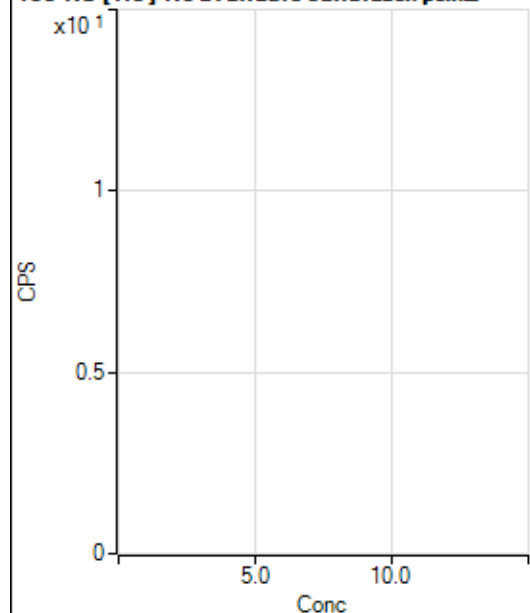
Weight: <None>

Min Conc: 0

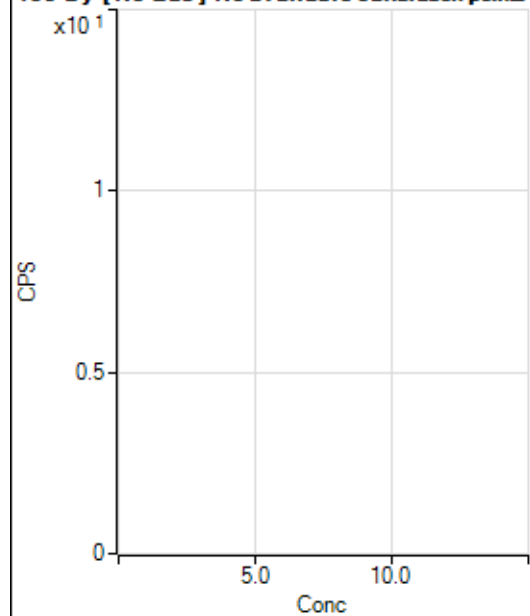
150 Nd [No Gas] No available calibration points



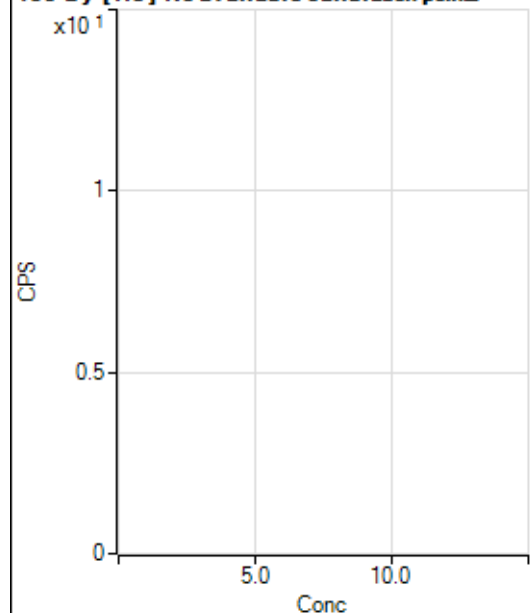
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4.44		P	173.
2	☐						
3	☐			6.67		P	100.
4	☐			13.33		P	100.
5	☐			35.55		P	10.8
6	☐			113.34		P	10.2
7	☐			193.34		P	6.9
8	☐			408.91		P	3.4
9	☐			46.67		P	62.3

150 Nd [He] No available calibration points

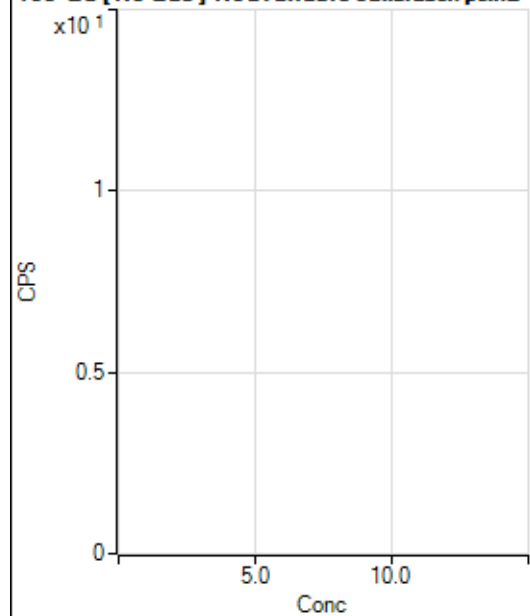
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐						
3	☐			12.22		P	83.3
4	☐			6.67		P	50.0
5	☐			10.00		P	33.3
6	☐			15.56		P	32.7
7	☐			17.78		P	57.3
8	☐			38.89		P	42.3
9	☐			20.00		P	0.0

156 Dy [No Gas] No available calibration points

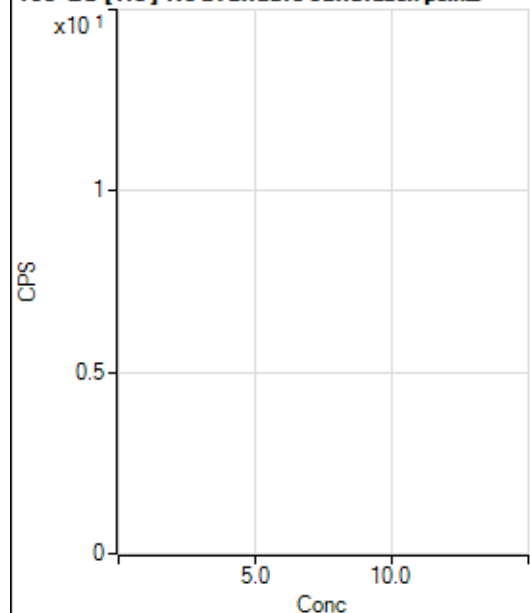
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	43.3
2	☐						
3	☐			11.11		P	86.6
4	☐			25.00		P	33.3
5	☐			16.67		P	50.0
6	☐			27.78		P	62.5
7	☐			38.89		P	53.9
8	☐			94.45		P	18.4
9	☐			19.44		P	65.5

156 Dy [He] No available calibration points

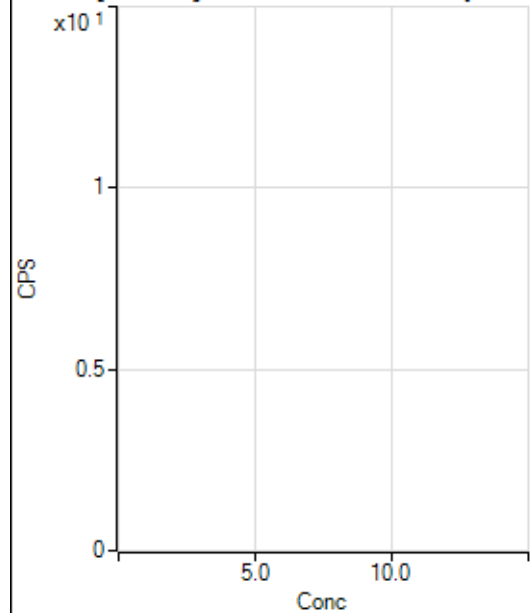
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.33		P	25.0
2	☐						
3	☐			8.89		P	78.1
4	☐			17.78		P	28.6
5	☐			34.44		P	47.7
6	☐			44.44		P	18.9
7	☐			71.11		P	15.1
8	☐			132.22		P	20.2
9	☐			20.00		P	28.9

160 Gd [No Gas] Noavailable calibration poin_

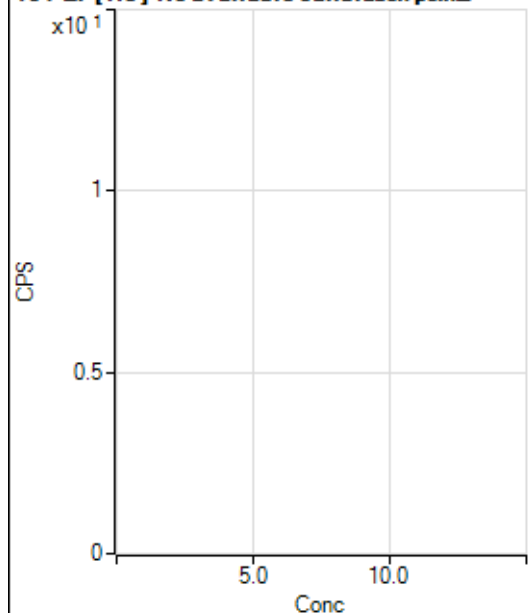
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	21.6
2	☐						
3	☐			22.22		P	21.6
4	☐			11.11		P	114.
5	☐			16.67		P	NaN
6	☐			22.22		P	21.6
7	☐			30.55		P	68.6
8	☐			36.11		P	13.3
9	☐			16.67		P	86.6

160 Gd [He] No available calibration points

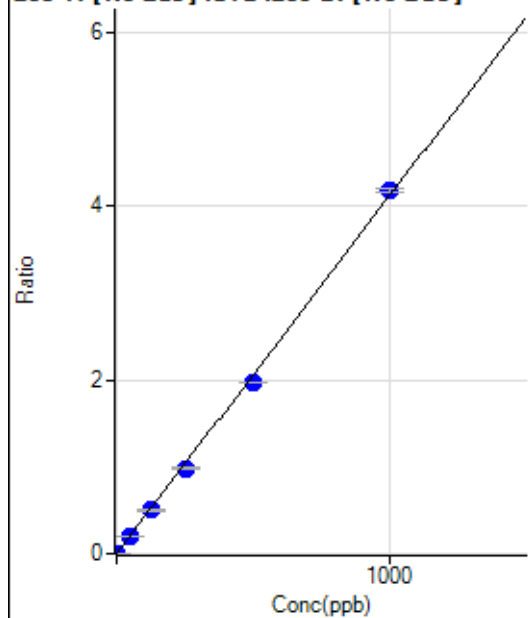
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			37.78		P	28.4
2	☐						
3	☐			38.89		P	13.1
4	☐			50.00		P	48.1
5	☐			54.45		P	12.7
6	☐			65.56		P	2.9
7	☐			38.89		P	17.8
8	☐			38.89		P	48.7
9	☐			53.34		P	47.2

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			36.11		P	13.3
2	☐						
3	☐			27.78		P	17.3
4	☐			38.89		P	44.6
5	☐			36.11		P	58.1
6	☐			16.67		P	50.0
7	☐			25.00		P	0.0
8	☐			36.11		P	48.0
9	☐			27.78		P	62.5

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	37.8
2	☐						
3	☐			30.00		P	19.2
4	☐			36.67		P	9.1
5	☐			31.11		P	59.0
6	☐			31.11		P	40.6
7	☐			27.78		P	42.1
8	☐			27.78		P	25.0
9	☐			41.11		P	28.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	377.80	0.0004	P	16.0
2	☐	0.100					
3	☐	1.000	1.040	4642.68	0.0047	P	3.3
4	☐	50.000	48.588	196441.11	0.2002	P	0.5
5	☐	125.000	121.171	484898.96	0.4987	P	1.0
6	☐	250.000	238.601	955729.88	0.9816	P	0.4
7	☐	500.000	478.882	1931358.18	1.9697	P	0.4
8	☐	1000.000	1013.958	3846210.85	4.1702	P	1.0
9	☐			1497.38	0.0019	P	2.8

$$y = 0.0041 * x + 3.8334E-004$$

$$R = 0.9996$$

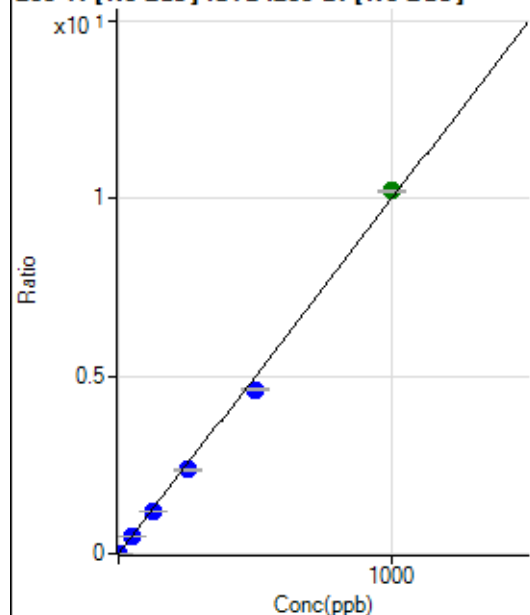
$$DL = 0.04462$$

$$BEC = 0.09321$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	563.93	0.0006	P	8.0
2	☐	0.100					
3	☐	1.000	0.980	10318.33	0.0104	P	1.2
4	☐	50.000	47.696	467891.60	0.4768	P	0.7
5	☐	125.000	118.550	1151558.44	1.1844	P	1.0
6	☐	250.000	236.133	2296338.88	2.3585	P	0.5
7	☐	500.000	462.735	4531261.90	4.6212	P	0.8
8	☐	1000.000	1023.021	9422447.69	10.2160	A	0.8
9	☐			3200.52	0.0041	P	8.7

$$y = 0.0100 * x + 5.7215E-004$$

$$R = 0.9989$$

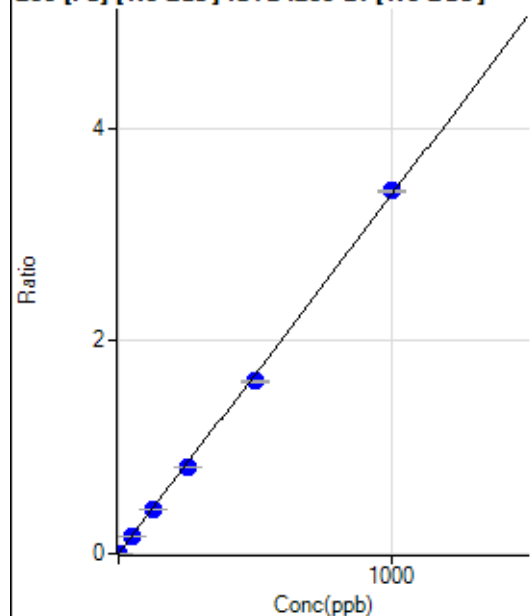
$$DL = 0.01371$$

$$BEC = 0.0573$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	588.92	0.0006	P	5.9
2	☐	0.100					
3	☐	1.000	1.130	4393.45	0.0044	P	2.9
4	☐	50.000	49.102	163208.62	0.1663	P	0.6
5	☐	125.000	122.581	402856.29	0.4143	P	1.4
6	☐	250.000	242.473	797423.07	0.8190	P	0.7
7	☐	500.000	481.937	1595468.50	1.6273	P	1.0
8	☐	1000.000	1011.261	3148740.43	3.4139	P	0.5
9	☐			8817.99	0.0112	P	3.2

$$y = 0.0034 * x + 5.9742E-004$$

$$R = 0.9997$$

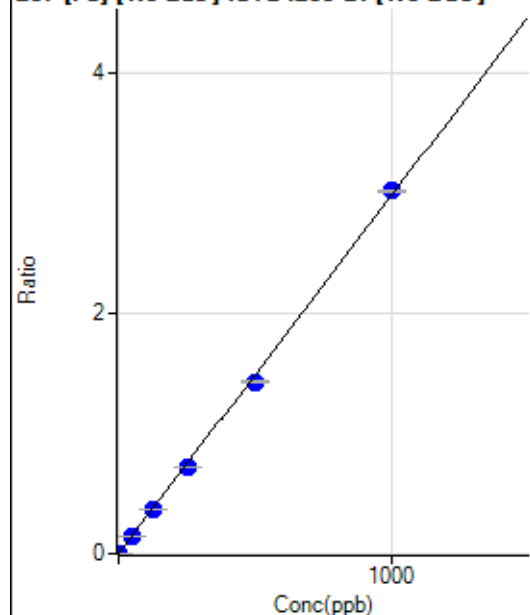
$$DL = 0.03108$$

$$BEC = 0.177$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	613.00	0.0006	P	3.2
2	☐	0.100					
3	☐	1.000	1.109	3904.39	0.0039	P	3.0
4	☐	50.000	48.338	141682.61	0.1444	P	0.6
5	☐	125.000	121.947	353246.53	0.3633	P	1.3
6	☐	250.000	243.200	704879.04	0.7240	P	0.5
7	☐	500.000	478.811	1396875.61	1.4247	P	0.9
8	☐	1000.000	1012.759	2778782.15	3.0128	P	0.8
9	☐			8087.89	0.0102	P	1.2

$$y = 0.0030 * x + 6.2185E-004$$

$$R = 0.9996$$

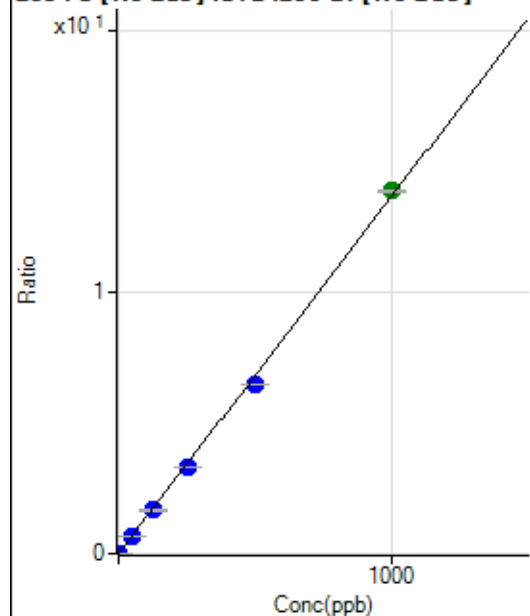
$$DL = 0.01989$$

$$BEC = 0.2091$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2148.27	0.0022	P	5.2
2	☐	0.100					
3	☐	1.000	1.108	17227.02	0.0173	P	0.8
4	☐	50.000	48.341	649361.22	0.6618	P	0.2
5	☐	125.000	121.353	1612074.41	1.6580	P	0.7
6	☐	250.000	240.383	3195651.60	3.2821	P	0.5
7	☐	500.000	473.528	6337209.57	6.4633	P	0.6
8	☐	1000.000	1016.179	12790764.46	13.8677	A	0.5
9	☐			36199.93	0.0459	P	2.4

$$y = 0.0136 * x + 0.0022$$

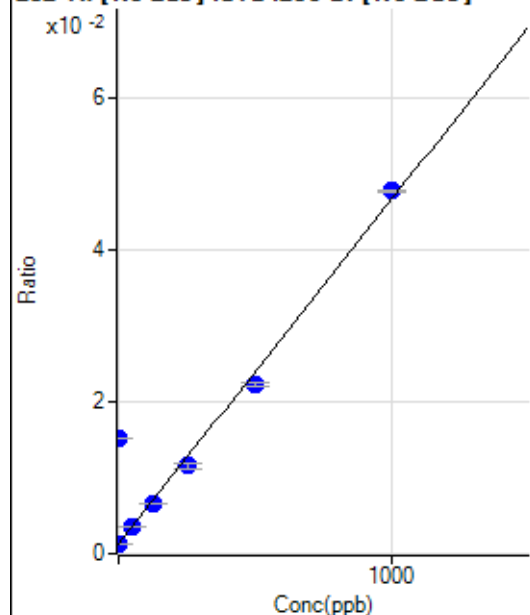
$$R = 0.9994$$

$$DL = 0.02509$$

$$BEC = 0.1597$$

Weight: <None>

Min Conc: 0

232 Th [No Gas] ISTD :209 Bi [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1279.73	0.0013	P	7.8
2	☐	0.100					
3	☐	1.000	305.733	15083.18	0.0151	P	0.6
4	☐	50.000	48.078	3409.81	0.0035	P	3.0
5	☐	125.000	117.654	6442.50	0.0066	P	1.5
6	☐	250.000	226.684	11258.86	0.0116	P	5.6
7	☐	500.000	463.519	21848.28	0.0223	P	2.0
8	☐	1000.000	1024.779	43993.07	0.0477	P	0.8
9	☐			1461.24	0.0019	P	5.1

$$y = 4.5277\text{E-}005 * x + 0.0013$$

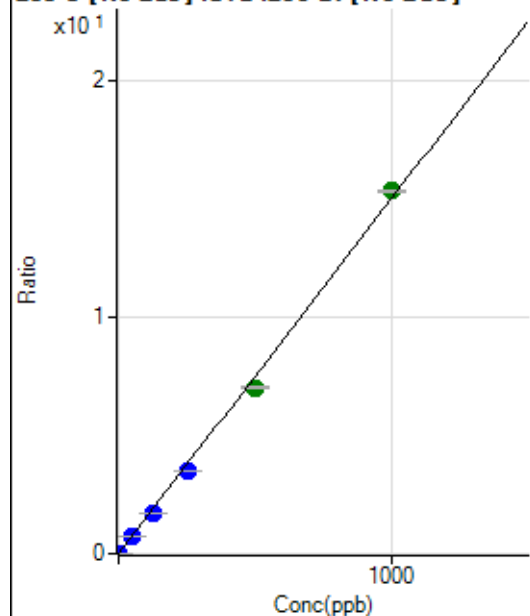
$$R = 0.9451$$

$$DL = 6.675$$

$$BEC = 28.68$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1769.65	0.0018	P	9.3
2	☐	0.100					
3	☐	1.000	0.950	15982.66	0.0160	P	2.6
4	☐	50.000	46.433	684885.12	0.6980	P	0.7
5	☐	125.000	115.997	1692756.85	1.7410	P	0.3
6	☐	250.000	232.958	3402407.63	3.4946	P	0.6
7	☐	500.000	467.840	6879243.64	7.0162	A	1.1
8	☐	1000.000	1021.644	14129927.57	15.3195	A	0.6
9	☐			3567.31	0.0045	P	11.2

$$y = 0.0150 * x + 0.0018$$

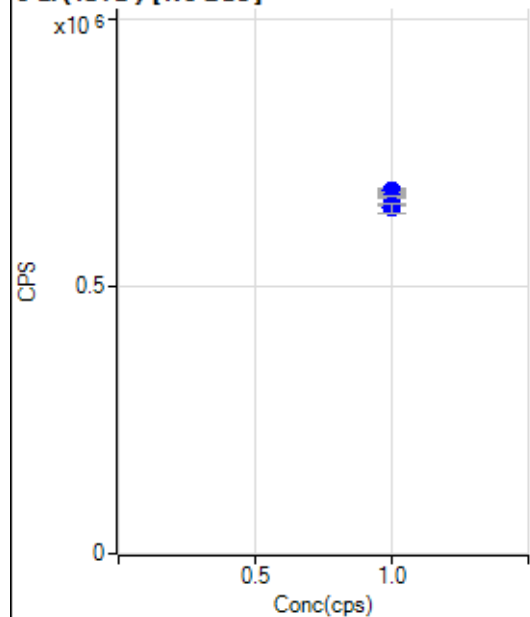
$$R = 0.9991$$

$$DL = 0.03357$$

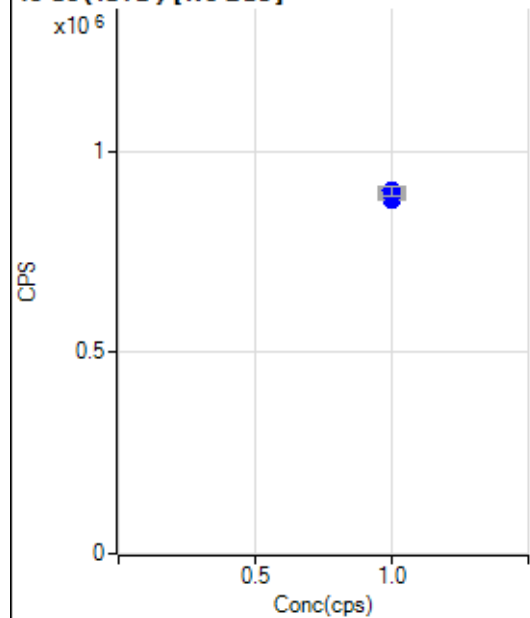
$$BEC = 0.1197$$

Weight: <None>

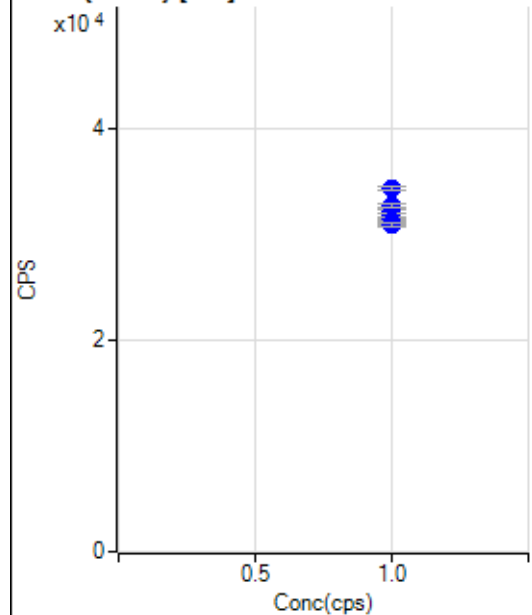
Min Conc: 0

6 Li (ISTD) [No Gas]

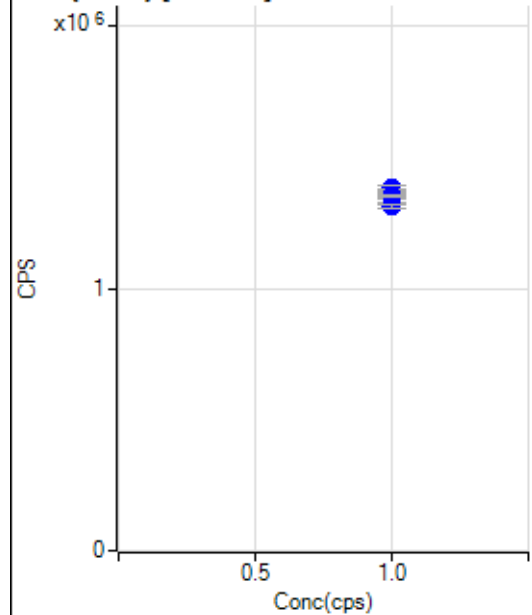
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		671529.23		P	1.7
2	☐	1.000					
3	☐	1.000		674815.41		P	1.5
4	☐	1.000		678659.87		P	1.2
5	☐	1.000		675034.99		P	0.6
6	☐	1.000		667010.13		P	0.7
7	☐	1.000		667155.26		P	0.5
8	☐	1.000		651669.33		P	0.5
9	☐	1.000		646488.12		P	2.5

45 Sc (ISTD) [No Gas]

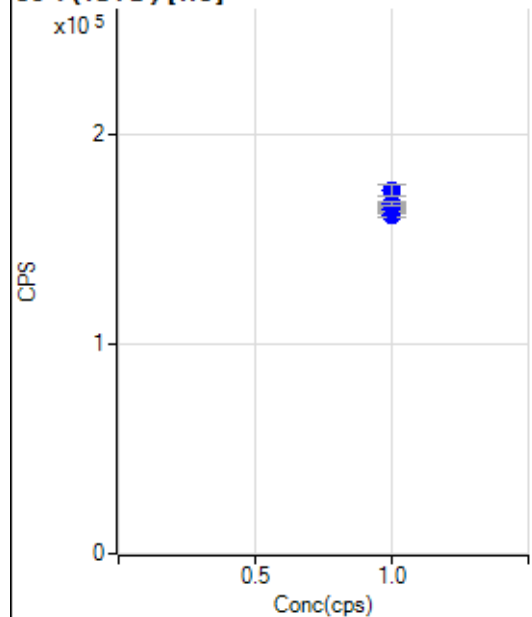
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		882220.55		P	0.3
2	☐	1.000					
3	☐	1.000		900119.49		P	1.9
4	☐	1.000		900043.68		P	1.1
5	☐	1.000		895691.01		P	1.2
6	☐	1.000		896119.43		P	0.5
7	☐	1.000		901733.08		P	1.1
8	☐	1.000		902178.23		P	0.6
9	☐	1.000		901961.66		P	2.7

45 Sc (ISTD) [He]

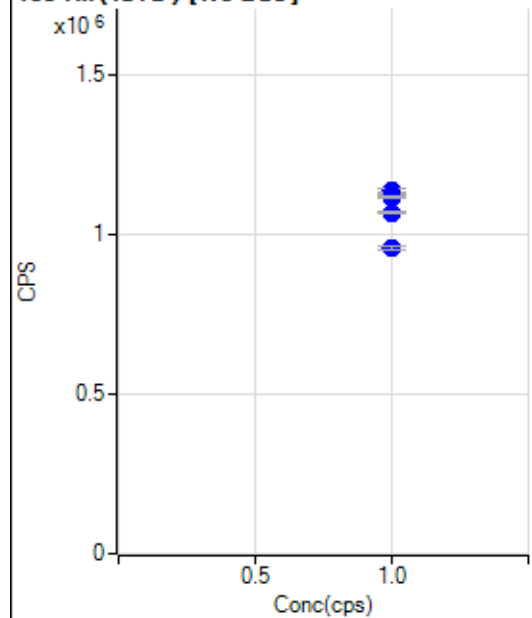
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		30846.74		P	0.2
2	☐	1.000					
3	☐	1.000		31274.26		P	1.5
4	☐	1.000		31789.85		P	0.9
5	☐	1.000		31437.96		P	0.8
6	☐	1.000		30983.65		P	1.3
7	☐	1.000		32149.54		P	1.4
8	☐	1.000		32711.80		P	0.8
9	☐	1.000		34316.69		P	0.9

89 Y (ISTD) [No Gas]

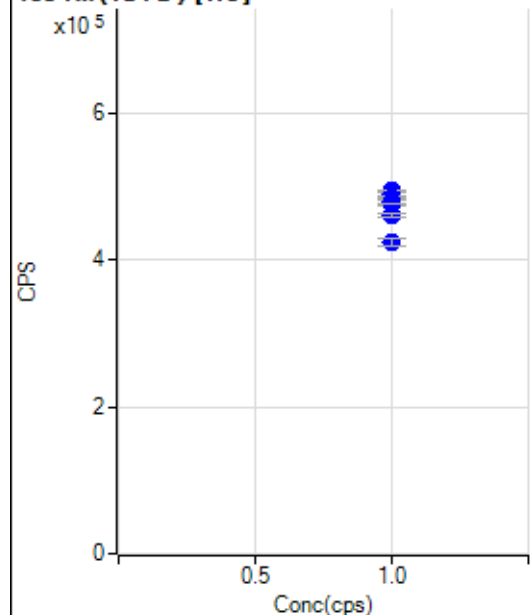
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1324930.99		P	0.1
2	☐	1.000					
3	☐	1.000		1347919.22		P	1.1
4	☐	1.000		1366092.57		P	0.3
5	☐	1.000		1356228.14		P	0.8
6	☐	1.000		1345778.04		P	0.4
7	☐	1.000		1382862.01		P	1.0
8	☐	1.000		1354404.34		P	0.5
9	☐	1.000		1311987.87		P	0.9

89 Y(ISTD) [He]

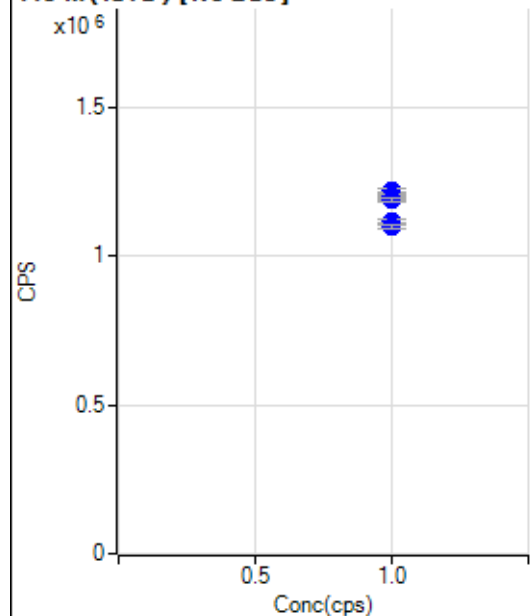
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		161157.26		P	1.1
2	☐	1.000					
3	☐	1.000		166080.53		P	0.4
4	☐	1.000		164409.88		P	2.2
5	☐	1.000		164510.57		P	1.0
6	☐	1.000		164228.84		P	1.7
7	☐	1.000		165420.21		P	0.3
8	☐	1.000		166687.01		P	1.4
9	☐	1.000		172880.92		P	3.3

103 Rh(ISTD) [No Gas]

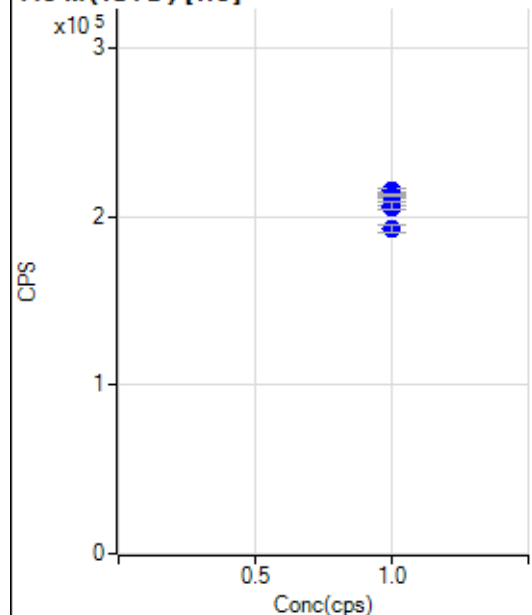
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1112992.86		P	0.5
2	☐	1.000					
3	☐	1.000		1135026.11		P	1.2
4	☐	1.000		1123279.28		P	0.8
5	☐	1.000		1119702.72		P	0.8
6	☐	1.000		1112105.01		P	0.3
7	☐	1.000		1116214.18		P	0.8
8	☐	1.000		1067367.18		P	0.7
9	☐	1.000		954272.93		P	1.4

103 Rh (ISTD) [He]

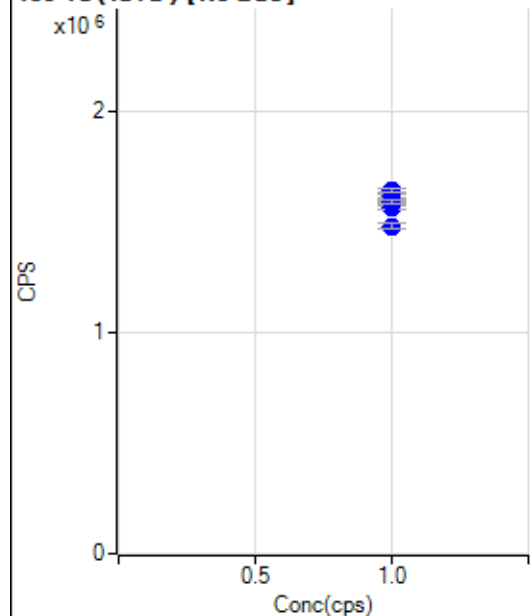
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		485277.76		P	0.2
2	☐	1.000					
3	☐	1.000		494374.96		P	0.5
4	☐	1.000		490130.45		P	1.8
5	☐	1.000		486007.84		P	0.4
6	☐	1.000		478589.42		P	1.3
7	☐	1.000		476452.97		P	0.3
8	☐	1.000		461999.70		P	1.2
9	☐	1.000		425724.43		P	2.5

115 In (ISTD) [No Gas]

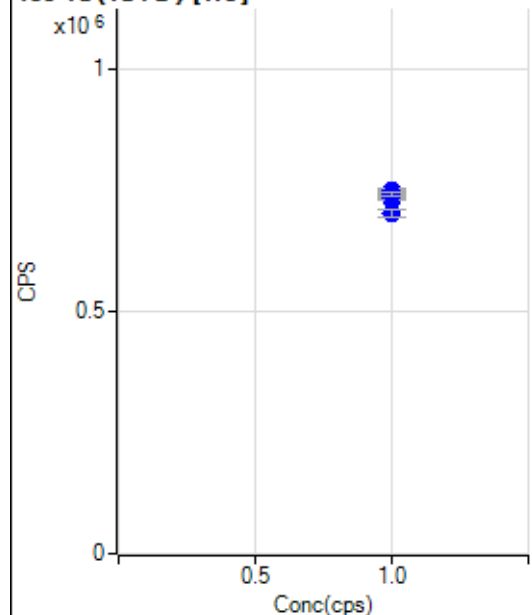
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1197128.68		P	1.0
2	☐	1.000					
3	☐	1.000		1216320.64		P	1.3
4	☐	1.000		1217447.47		P	1.1
5	☐	1.000		1200057.64		P	1.3
6	☐	1.000		1189171.96		P	0.7
7	☐	1.000		1190234.15		P	1.1
8	☐	1.000		1114169.10		P	1.3
9	☐	1.000		1097838.09		P	0.9

115 In (ISTD) [He]

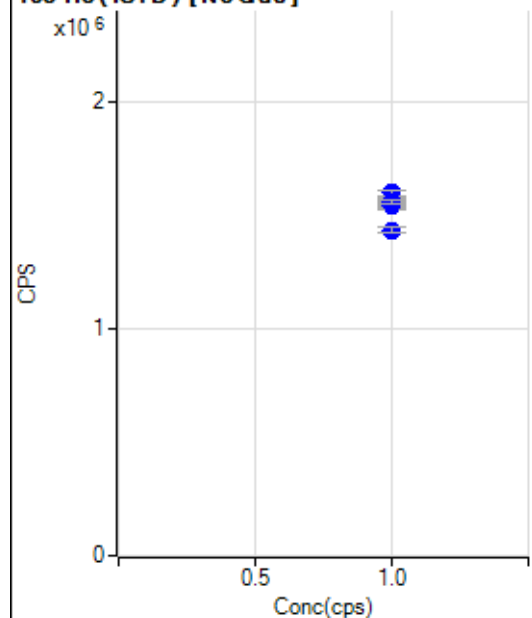
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		211607.37		P	0.6
2	☐	1.000					
3	☐	1.000		215353.44		P	1.1
4	☐	1.000		212663.08		P	0.7
5	☐	1.000		212500.70		P	0.5
6	☐	1.000		205565.23		P	1.4
7	☐	1.000		205502.71		P	0.6
8	☐	1.000		192747.32		P	2.0
9	☐	1.000		206393.99		P	2.0

159 Tb (ISTD) [No Gas]

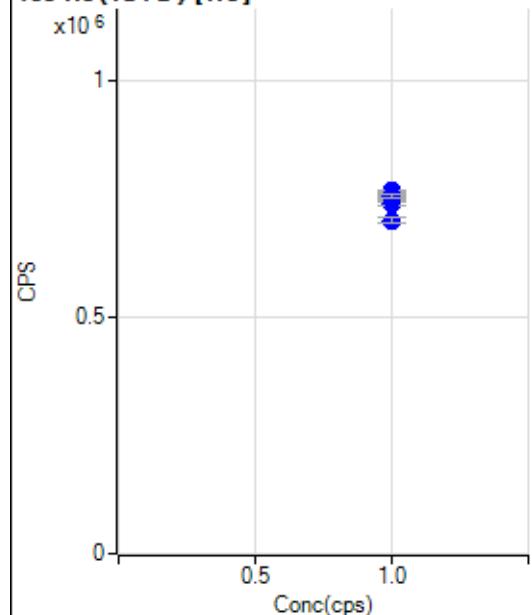
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1561162.72		P	1.3
2	☐	1.000					
3	☐	1.000		1611836.24		P	1.4
4	☐	1.000		1592681.92		P	1.5
5	☐	1.000		1578368.57		P	1.2
6	☐	1.000		1593252.60		P	1.2
7	☐	1.000		1638084.35		P	1.2
8	☐	1.000		1588859.98		P	1.2
9	☐	1.000		1478239.29		P	1.8

159 Tb (ISTD) [He]

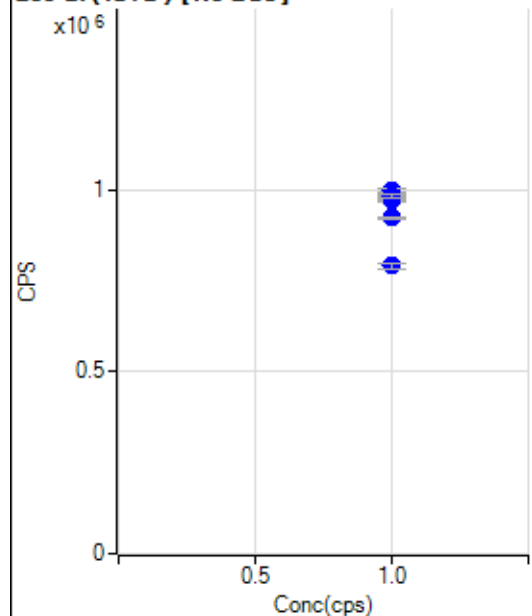
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		732804.84		P	0.3
2	☐	1.000					
3	☐	1.000		747658.95		P	0.2
4	☐	1.000		737860.88		P	1.4
5	☐	1.000		732481.78		P	0.8
6	☐	1.000		736086.24		P	1.0
7	☐	1.000		749046.30		P	1.1
8	☐	1.000		741479.35		P	1.3
9	☐	1.000		702610.14		P	2.0

165 Ho (ISTD) [No Gas]

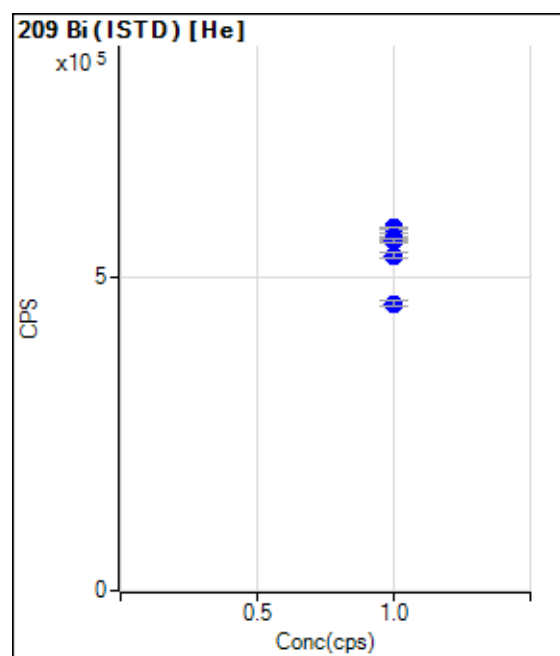
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1540574.76		P	0.9
2	☐	1.000					
3	☐	1.000		1567222.65		P	1.2
4	☐	1.000		1549637.17		P	1.8
5	☐	1.000		1544819.22		P	1.7
6	☐	1.000		1553834.47		P	0.6
7	☐	1.000		1601286.35		P	1.4
8	☐	1.000		1564353.23		P	0.9
9	☐	1.000		1437950.11		P	1.9

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		747582.96		P	0.9
2	☐	1.000					
3	☐	1.000		765938.62		P	0.7
4	☐	1.000		740261.42		P	1.2
5	☐	1.000		746522.15		P	1.5
6	☐	1.000		749783.54		P	1.2
7	☐	1.000		764664.45		P	0.3
8	☐	1.000		755368.10		P	0.7
9	☐	1.000		704215.00		P	1.9

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		985852.09		P	0.4
2	☐	1.000					
3	☐	1.000		996179.46		P	1.0
4	☐	1.000		981238.00		P	0.3
5	☐	1.000		972320.90		P	0.7
6	☐	1.000		973638.76		P	0.6
7	☐	1.000		980524.72		P	1.1
8	☐	1.000		922347.63		P	0.5
9	☐	1.000		789485.13		P	1.4



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		564435.07		P	0.4
2	☐	1.000					
3	☐	1.000		579111.31		P	0.4
4	☐	1.000		565192.61		P	1.6
5	☐	1.000		562463.34		P	1.4
6	☐	1.000		557837.65		P	0.8
7	☐	1.000		557258.38		P	1.1
8	☐	1.000		535545.22		P	1.8
9	☐	1.000		458424.95		P	2.2