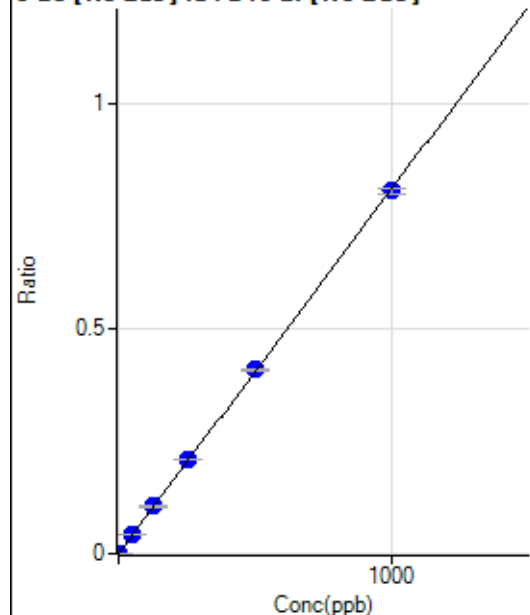


Batch Folder: D:\ICP-MS Data\P7071519 MS.b\
Analysis File: P7071519 MS.batch.bin
DA Date-Time: 2019-07-16 00:14:43
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-07-15 11:21:09
2			
3	005CAL.S.d	S02	2019-07-15 11:29:10
4	006CAL.S.d	S03	2019-07-15 11:33:30
5	007CAL.S.d	S04	2019-07-15 11:38:03
6	008CAL.S.d	S05	2019-07-15 11:42:16
7	009CAL.S.d	S06	2019-07-15 11:46:26
8	010CAL.S.d	S07	2019-07-15 11:50:34
9	011CAL.S.d	S08	2019-07-15 11:54:42

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.11	0.0000	P	43.7
2	☐	0.100					
3	☐	1.000	0.997	1682.34	0.0008	P	3.0
4	☐	50.000	51.399	84841.68	0.0416	P	0.1
5	☐	125.000	129.343	204797.47	0.1046	P	0.2
6	☐	250.000	258.125	402756.09	0.2087	P	0.3
7	☐	500.000	504.333	781176.25	0.4078	P	1.1
8	☐	1000.000	995.190	1516691.37	0.8048	P	1.6
9	☐			178.89	0.0001	P	1.5

$$y = 8.0864\text{E-}004 * x + 1.5035\text{E-}005$$

$$R = 0.9999$$

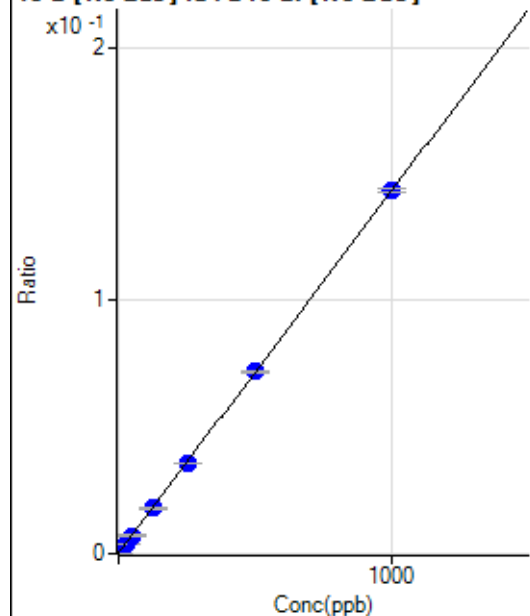
$$DL = 0.02436$$

$$BEC = 0.01859$$

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	411.13	0.0002	P	12.0
2	☐	2.500					
3	☐	25.000	24.008	7440.99	0.0036	P	3.3
4	☐	50.000	48.686	14615.93	0.0072	P	2.2
5	☐	125.000	123.483	34971.98	0.0179	P	2.9
6	☐	250.000	248.111	68862.18	0.0357	P	1.6
7	☐	500.000	501.397	137764.04	0.0719	P	1.4
8	☐	1000.000	1000.054	270017.70	0.1433	P	1.2
9	☐			12989.43	0.0080	P	6.3

$$y = 1.4305\text{E-}004 * x + 1.9865\text{E-}004$$

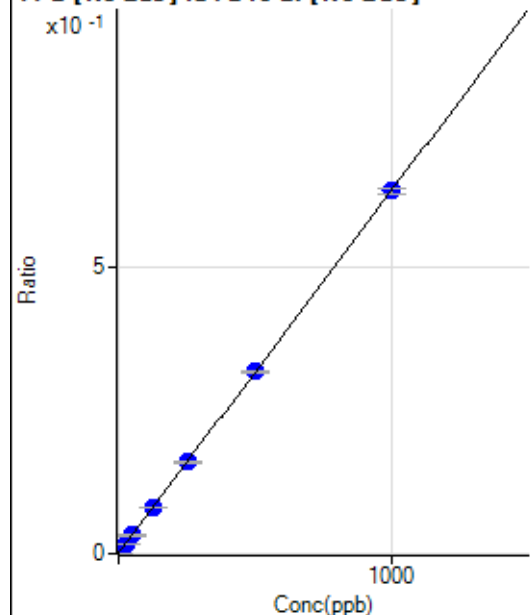
$$R = 1.0000$$

$$DL = 0.4996$$

$$BEC = 1.389$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1741.83	0.0008	P	3.7
2	☐	2.500					
3	☐	25.000	24.530	33579.79	0.0164	P	1.5
4	☐	50.000	49.270	65467.38	0.0321	P	1.1
5	☐	125.000	124.117	155735.24	0.0795	P	1.1
6	☐	250.000	251.008	308731.26	0.1600	P	1.2
7	☐	500.000	500.825	609930.17	0.3184	P	0.9
8	☐	1000.000	999.494	1196068.31	0.6346	P	1.9
9	☐			57507.51	0.0353	P	4.6

$$y = 6.3412E-004 * x + 8.4083E-004$$

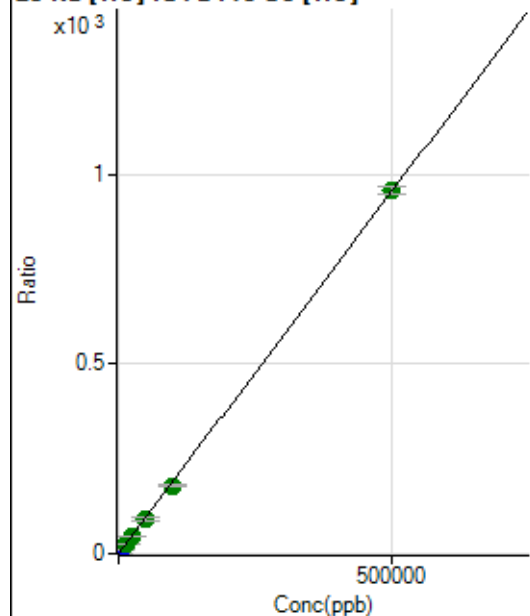
$$R = 1.0000$$

$$DL = 0.1473$$

$$BEC = 1.326$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	7060.23	0.0449	P	2.9
2	☐	50.000					
3	☐	500.000	516.699	162902.78	1.0301	P	2.4
4	☐	5000.000	4990.715	1506895.77	9.5606	P	2.3
5	☐	12500.000	12209.874	3656709.46	23.3251	A	0.6
6	☐	25000.000	24181.837	7372957.20	46.1518	A	0.2
7	☐	50000.000	48006.194	14948613.01	91.5770	A	8.5
8	☐	100000.00	94149.911	30388141.65	179.5579	A	0.7
9	☐	500000.00	501417.63	147584999.1	956.0839	A	2.0

$$y = 0.0019 * x + 0.0449$$

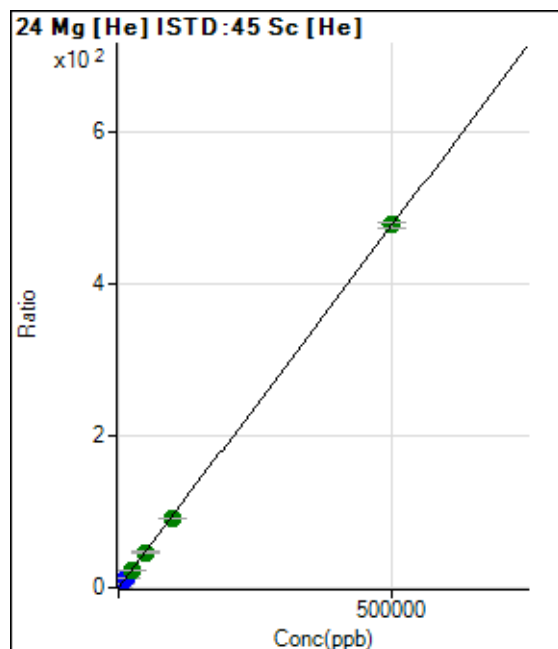
$$R = 0.9999$$

$$DL = 2.081$$

$$BEC = 23.56$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	75.00	0.0005	P	11.6
2	☐	50.000					
3	☐	500.000	527.552	79578.11	0.5032	P	5.1
4	☐	5000.000	5073.449	762105.70	4.8356	P	2.9
5	☐	12500.000	12383.045	1850092.60	11.8019	P	0.3
6	☐	25000.000	24596.855	3744896.78	23.4420	A	0.7
7	☐	50000.000	48597.464	7562715.71	46.3152	A	7.9
8	☐	100000.00	95201.922	15355041.32	90.7306	A	1.1
9	☐	500000.00	501122.18	73725565.54	477.5838	A	1.5

$$y = 9.5303\text{E-}004 * x + 4.7738\text{E-}004$$

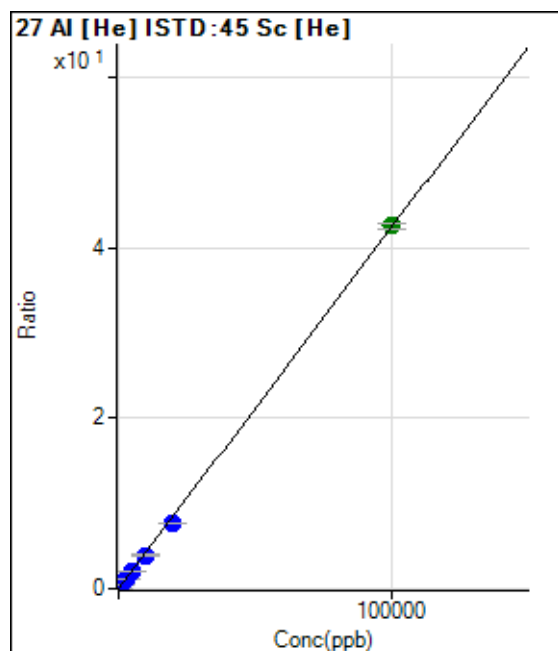
$$R = 0.9999$$

$$DL = 0.175$$

$$BEC = 0.5009$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0002	P	66.3
2	☐	2.000					
3	☐	20.000	18.532	1277.89	0.0081	P	8.5
4	☐	1000.000	957.089	64054.33	0.4064	P	2.8
5	☐	2500.000	2424.344	161340.94	1.0292	P	0.4
6	☐	5000.000	4746.912	321892.54	2.0149	P	0.8
7	☐	10000.000	9284.442	643047.83	3.9407	P	9.1
8	☐	20000.000	18207.254	1307823.67	7.7278	P	0.4
9	☐	100000.00	100445.08	6581164.60	42.6315	A	1.5

$$y = 4.2442\text{E-}004 * x + 2.1205\text{E-}004$$

$$R = 0.9998$$

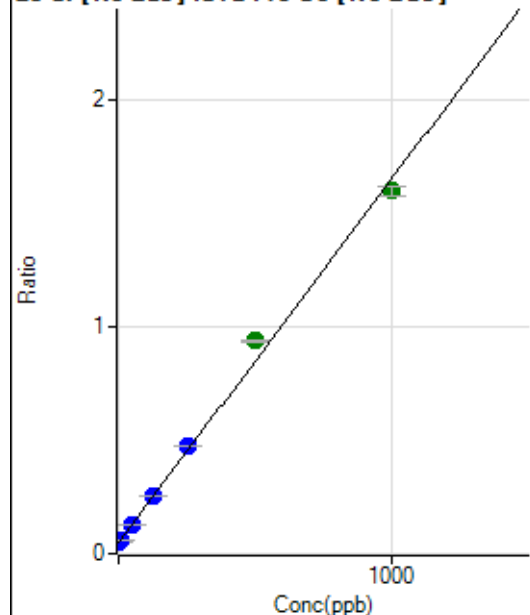
$$DL = 0.9941$$

$$BEC = 0.4996$$

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	151801.08	0.0483	P	2.0
2	☐	1.000					
3	☐	10.000	6.844	188576.19	0.0593	P	1.2
4	☐	50.000	49.654	405466.01	0.1279	P	1.0
5	☐	125.000	130.614	806424.04	0.2577	P	0.4
6	☐	250.000	265.185	1499198.11	0.4735	P	0.8
7	☐	500.000	555.232	3036695.90	0.9384	A	0.6
8	☐	1000.000	967.935	5196130.24	1.6000	A	2.8
9	☐			384305.10	0.1321	P	1.0

$$y = 0.0016 * x + 0.0483$$

$$R = 0.9975$$

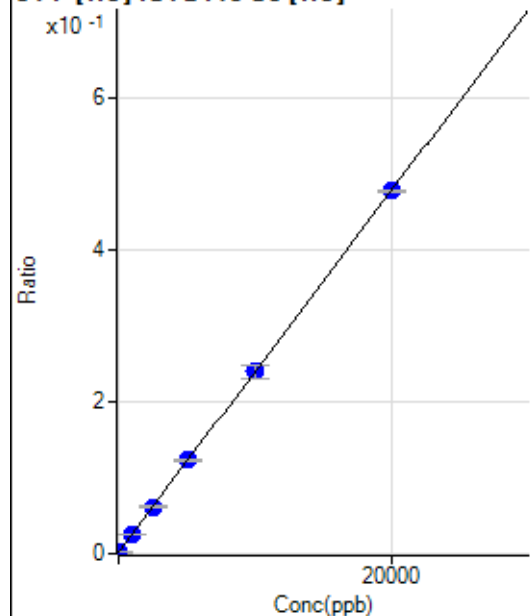
$$DL = 1.821$$

$$BEC = 30.16$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-26.066	202.79	0.0013	P	24.2
2	☐	0.000					
3	☐	0.000	26.066	400.02	0.0025	P	8.0
4	☐	1000.000	976.449	3964.58	0.0252	P	2.8
5	☐	2500.000	2507.328	9656.25	0.0616	P	2.3
6	☐	5000.000	5091.827	19666.31	0.1231	P	2.8
7	☐	10000.000	9981.113	39099.31	0.2395	P	8.2
8	☐	20000.000	19986.748	80840.99	0.4777	P	0.8
9	☐			227.79	0.0015	P	18.7

$$y = 2.3804E-005 * x + 0.0019$$

$$R = 1.0000$$

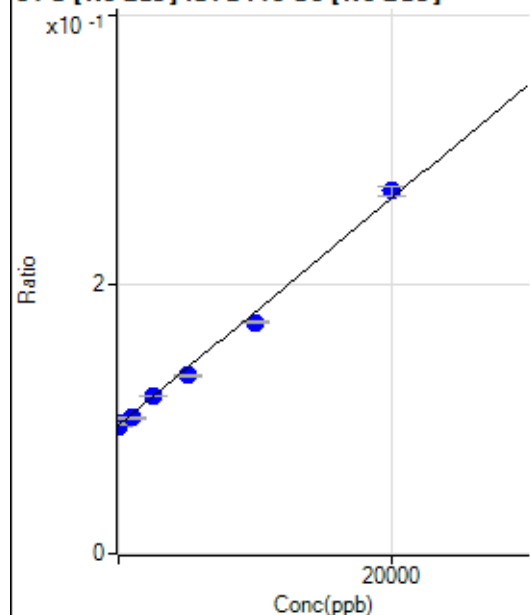
$$DL = 32.48$$

$$BEC = 80.22$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-123.253	296183.81	0.0943	P	0.1
2	☐	0.000					
3	☐	0.000	123.253	306413.41	0.0964	P	1.3
4	☐	1000.000	671.853	320079.81	0.1010	P	1.2
5	☐	2500.000	2548.916	365476.95	0.1168	P	0.5
6	☐	5000.000	4356.432	418045.55	0.1320	P	1.5
7	☐	10000.000	9062.551	555479.76	0.1717	P	0.6
8	☐	20000.000	20639.909	874115.48	0.2692	P	2.6
9	☐			219827.25	0.0756	P	0.9

$$y = 8.4215\text{E-}006 * x + 0.0953$$

$$R = 0.9978$$

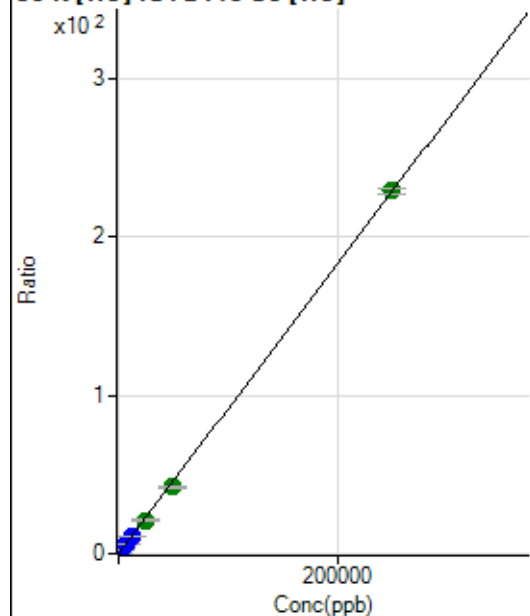
$$DL = 240.1$$

$$BEC = 1.132\text{E}+04$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13612.23	0.0866	P	5.1
2	☐	50.000					
3	☐	500.000	482.356	83336.62	0.5269	P	1.0
4	☐	2500.000	2410.331	360469.40	2.2869	P	2.2
5	☐	6250.000	5971.711	868096.36	5.5379	P	0.9
6	☐	12500.000	11785.596	1732532.74	10.8451	P	1.0
7	☐	25000.000	23109.045	3458919.13	21.1818	A	7.8
8	☐	50000.000	45867.490	7100691.30	41.9569	A	0.6
9	☐	250000.00	251059.20	35391492.46	229.2669	A	1.7

$$y = 9.1285\text{E-}004 * x + 0.0866$$

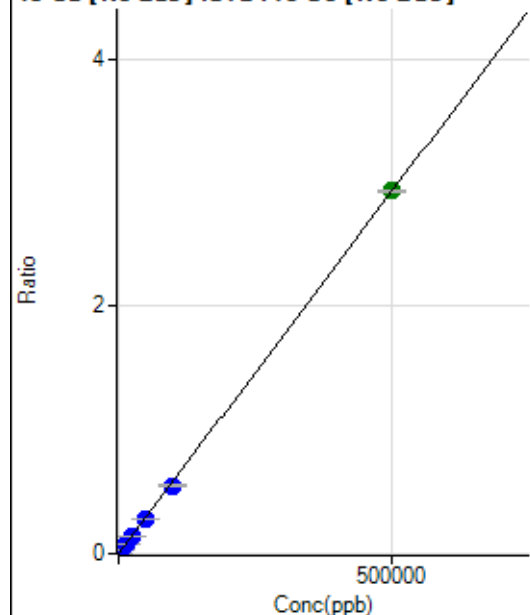
$$R = 0.9998$$

$$DL = 14.53$$

$$BEC = 94.89$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	116.67	0.0000	P	5.4
2	☐	50.000					
3	☐	500.000	471.952	8897.44	0.0028	P	0.6
4	☐	5000.000	4872.092	90456.68	0.0285	P	2.0
5	☐	12500.000	12308.046	225445.88	0.0721	P	0.8
6	☐	25000.000	24349.699	451233.28	0.1425	P	0.9
7	☐	50000.000	47429.174	898105.79	0.2775	P	0.3
8	☐	100000.00	94246.737	1791043.57	0.5515	P	2.2
9	☐	500000.00	501446.35	8535505.32	2.9340	A	0.4

$$y = 5.8510E-006 * x + 3.7125E-005$$

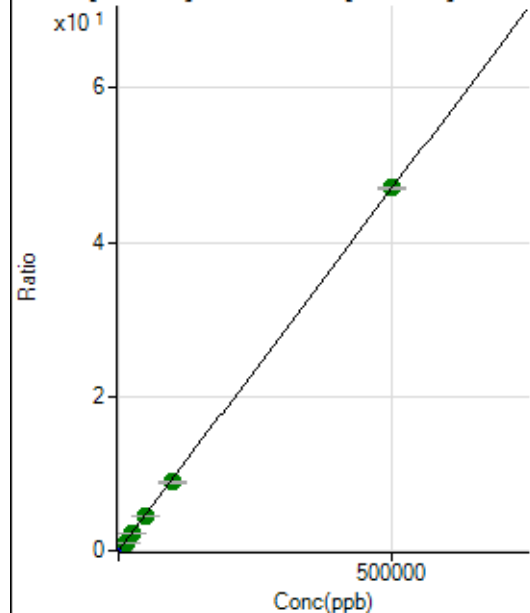
$$R = 0.9999$$

$$DL = 1.031$$

$$BEC = 6.345$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6799.12	0.0022	P	4.0
2	☐	50.000					
3	☐	500.000	477.459	149248.98	0.0469	P	0.4
4	☐	5000.000	4768.613	1424184.11	0.4494	P	0.2
5	☐	12500.000	11866.902	3489076.21	1.1151	A	0.3
6	☐	25000.000	23810.633	7077578.28	2.2353	A	1.2
7	☐	50000.000	47062.337	14289442.33	4.4159	A	0.6
8	☐	100000.00	94838.183	28894763.84	8.8966	A	1.9
9	☐	500000.00	501403.76	136808882.2	47.0265	A	0.5

$$y = 9.3785E-005 * x + 0.0022$$

$$R = 0.9999$$

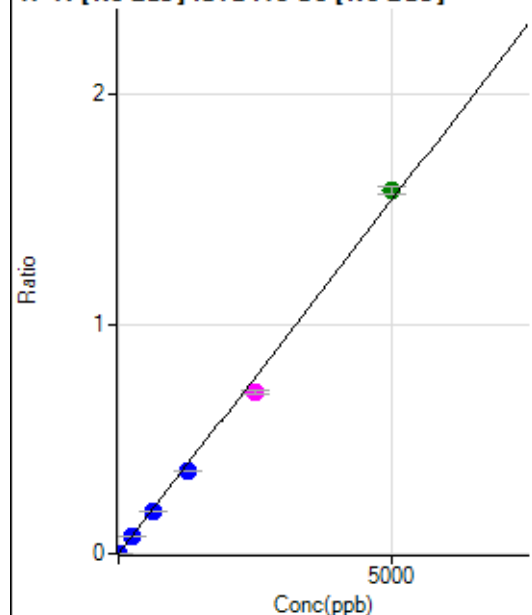
$$DL = 2.739$$

$$BEC = 23.09$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	69.45	0.0000	P	7.1
2	☐	0.500					
3	☐	5.000	4.367	4339.71	0.0014	P	2.3
4	☐	250.000	236.964	231022.81	0.0729	P	1.5
5	☐	625.000	591.209	568975.84	0.1818	P	0.5
6	☐	1250.000	1167.054	1136568.18	0.3589	P	0.7
7	☐	2500.000	2281.221	2270349.05	0.7016	M	2.3
8	☐	5000.000	5135.003	5129054.63	1.5792	A	2.1
9	☐			922.29	0.0003	P	9.8

$$y = 3.0754E-004 * x + 2.2116E-005$$

$$R = 0.9985$$

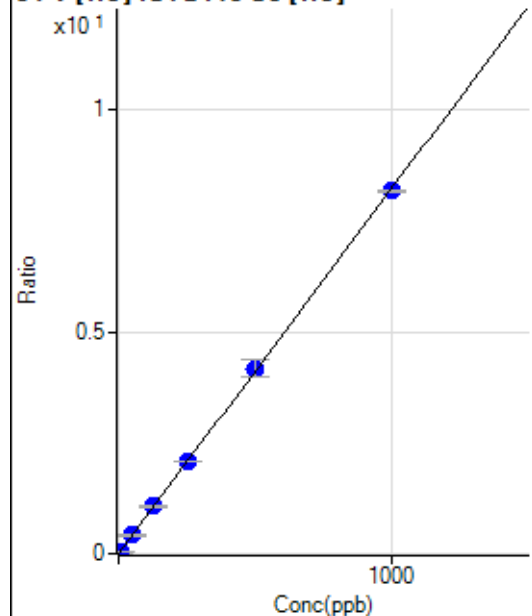
$$DL = 0.01533$$

$$BEC = 0.07191$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.22	0.0000	P	86.6
2	☐	0.500					
3	☐	5.000	5.206	6769.41	0.0428	P	3.2
4	☐	50.000	50.577	65521.44	0.4158	P	3.2
5	☐	125.000	129.140	166401.83	1.0615	P	0.7
6	☐	250.000	254.440	334118.27	2.0915	P	0.7
7	☐	500.000	508.438	682026.75	4.1793	P	8.9
8	☐	1000.000	994.124	1382954.67	8.1715	P	0.7
9	☐			220.01	0.0014	P	8.7

$$y = 0.0082 * x + 1.4109E-005$$

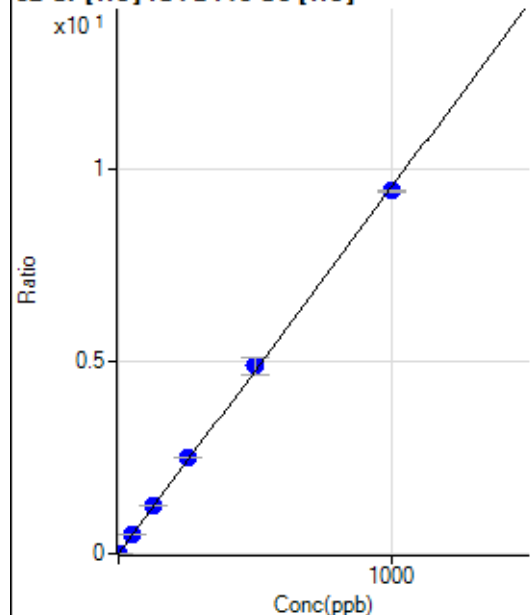
$$R = 0.9999$$

$$DL = 0.00446$$

$$BEC = 0.001717$$

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	533.35	0.0034	P	9.0
2	☐	0.200					
3	☐	2.000	2.022	3574.94	0.0226	P	3.5
4	☐	50.000	51.452	77595.13	0.4923	P	2.7
5	☐	125.000	131.148	195913.09	1.2497	P	0.5
6	☐	250.000	261.211	397092.58	2.4856	P	0.4
7	☐	500.000	512.174	794977.62	4.8705	P	8.6
8	☐	1000.000	990.269	1593168.33	9.4138	P	0.2
9	☐			15388.20	0.0997	P	1.9

$$y = 0.0095 * x + 0.0034$$

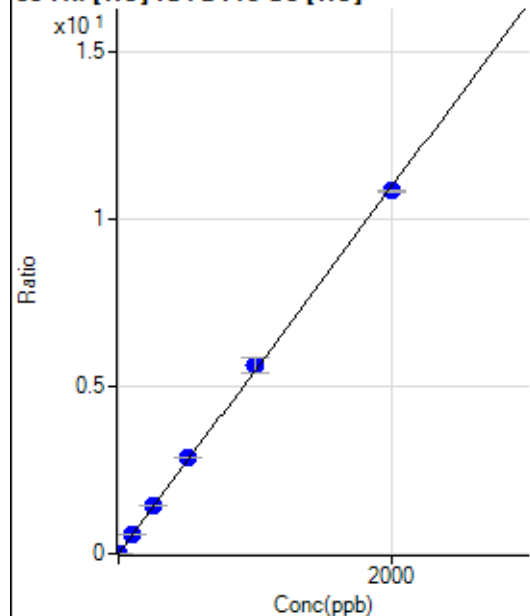
$$R = 0.9998$$

$$DL = 0.09653$$

$$BEC = 0.3572$$

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	13.33	0.0001	P	50.6
2	☐	0.100					
3	☐	1.000	1.017	893.38	0.0057	P	12.2
4	☐	100.000	103.679	89411.65	0.5673	P	3.2
5	☐	250.000	266.026	228181.48	1.4556	P	0.7
6	☐	500.000	523.909	457950.22	2.8666	P	0.2
7	☐	1000.000	1027.675	917543.30	5.6228	P	9.0
8	☐	2000.000	1977.998	1831531.03	10.8223	P	0.5
9	☐			4988.70	0.0323	P	0.9

$$y = 0.0055 * x + 8.5061E-005$$

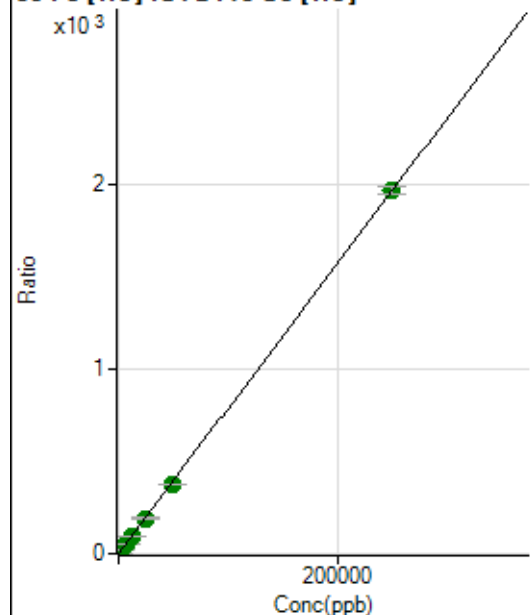
$$R = 0.9998$$

$$DL = 0.02361$$

$$BEC = 0.01555$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2294.68	0.0146	P	4.8
2	☐	5.000					
3	☐	50.000	50.316	64794.94	0.4098	P	6.6
4	☐	2500.000	2433.832	3014762.86	19.1305	A	3.5
5	☐	6250.000	6252.723	7701021.30	49.1251	A	0.3
6	☐	12500.000	12398.428	15559150.12	97.3950	A	0.5
7	☐	25000.000	24406.680	31295308.80	191.7109	A	8.4
8	☐	50000.000	47841.546	63594896.79	375.7743	A	0.9
9	☐	250000.00	250496.69	303703621.6	1,967.479	A	2.0

$$y = 0.0079 * x + 0.0146$$

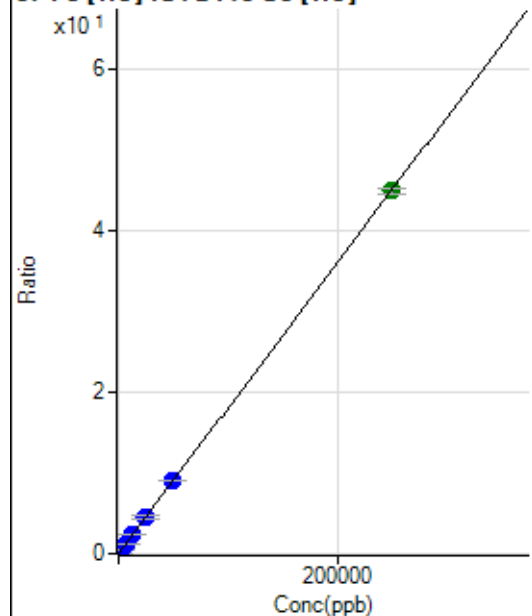
$$R = 1.0000$$

$$DL = 0.2695$$

$$BEC = 1.859$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	161.12	0.0010	P	20.4
2	☐	5.000					
3	☐	50.000	53.556	1683.47	0.0106	P	8.1
4	☐	2500.000	2556.854	72562.25	0.4604	P	3.1
5	☐	6250.000	6557.918	184860.18	1.1793	P	1.1
6	☐	12500.000	12932.152	371364.04	2.3246	P	0.2
7	☐	25000.000	25450.374	746515.05	4.5738	P	8.7
8	☐	50000.000	50757.159	1543572.46	9.1208	P	0.1
9	☐	250000.00	249773.65	6928008.78	44.8788	A	1.7

$$y = 1.7967E-004 * x + 0.0010$$

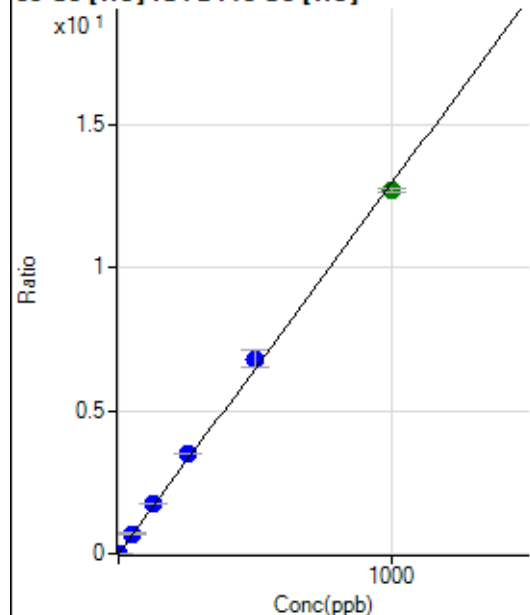
$$R = 1.0000$$

$$DL = 3.488$$

$$BEC = 5.7$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	35.39	0.0002	P	21.8
2	☐	0.100					
3	☐	1.000	1.089	2263.93	0.0143	P	4.4
4	☐	50.000	54.061	110326.13	0.7000	P	2.2
5	☐	125.000	136.635	277266.68	1.7688	P	0.9
6	☐	250.000	269.200	556677.17	3.4846	P	0.5
7	☐	500.000	526.320	1111888.78	6.8126	P	8.7
8	☐	1000.000	980.382	2147570.22	12.6897	A	0.9
9	☐			24658.99	0.1597	P	2.2

$$y = 0.0129 * x + 2.2490E-004$$

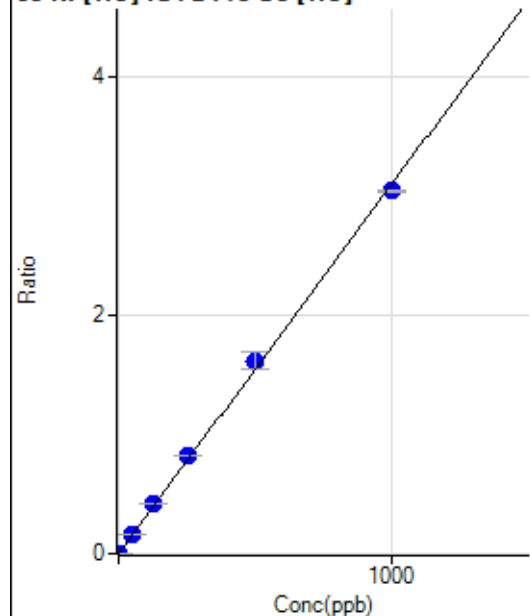
$$R = 0.9992$$

$$DL = 0.01139$$

$$BEC = 0.01738$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32.22	0.0002	P	5.9
2	☐	0.100					
3	☐	1.000	1.082	563.35	0.0036	P	12.0
4	☐	50.000	53.584	26220.29	0.1664	P	3.1
5	☐	125.000	135.605	65953.14	0.4207	P	0.4
6	☐	250.000	267.497	132549.41	0.8297	P	0.3
7	☐	500.000	522.458	264389.25	1.6203	P	9.2
8	☐	1000.000	982.892	515863.00	3.0481	P	0.5
9	☐			7356.39	0.0477	P	1.1

$$y = 0.0031 * x + 2.0497E-004$$

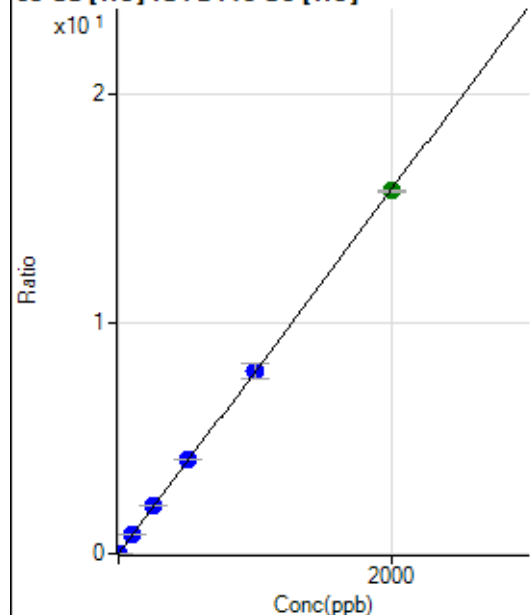
$$R = 0.9994$$

$$DL = 0.01162$$

$$BEC = 0.0661$$

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	263.34	0.0017	P	13.3
2	☐	0.200					
3	☐	2.000	2.050	2830.32	0.0179	P	6.5
4	☐	100.000	104.296	130316.97	0.8269	P	3.0
5	☐	250.000	261.634	324757.74	2.0718	P	1.0
6	☐	500.000	514.859	651046.30	4.0753	P	0.4
7	☐	1000.000	1004.178	1296798.29	7.9469	P	9.0
8	☐	2000.000	1992.527	2668339.63	15.7668	A	0.9
9	☐			2989.24	0.0194	P	4.9

$$y = 0.0079 * x + 0.0017$$

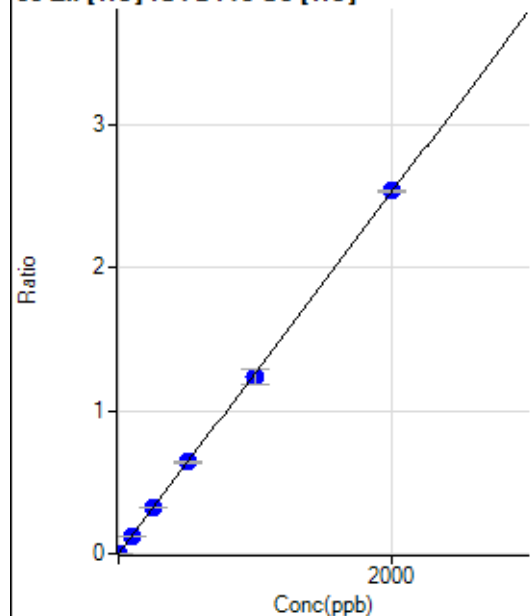
$$R = 1.0000$$

$$DL = 0.08445$$

$$BEC = 0.2117$$

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	86.67	0.0006	P	24.0
2	☐	0.200					
3	☐	2.000	2.206	527.79	0.0033	P	3.4
4	☐	100.000	98.823	19753.58	0.1253	P	3.3
5	☐	250.000	255.521	50669.99	0.3232	P	0.9
6	☐	500.000	505.553	102077.04	0.6390	P	0.2
7	☐	1000.000	980.017	202040.51	1.2381	P	9.0
8	☐	2000.000	2007.972	429221.77	2.5362	P	0.7
9	☐			3298.21	0.0214	P	3.5

$$y = 0.0013 * x + 5.5188E-004$$

$$R = 0.9999$$

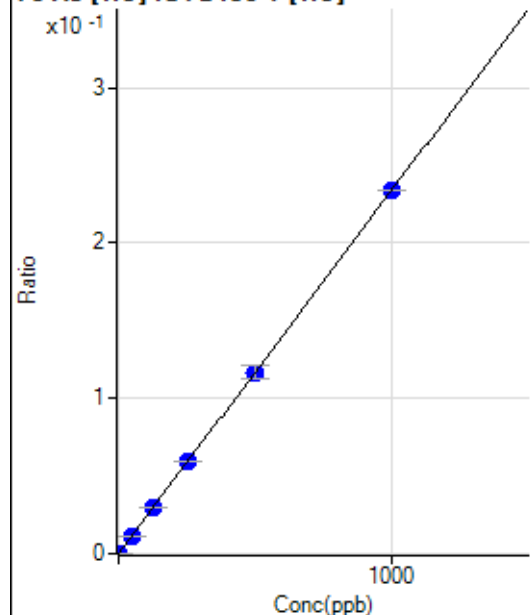
$$DL = 0.3153$$

$$BEC = 0.437$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5.56	0.0000	P	33.8
2	☐	0.100					
3	☐	1.000	0.953	133.95	0.0002	P	14.5
4	☐	50.000	49.174	6615.13	0.0115	P	2.2
5	☐	125.000	125.972	17016.81	0.0295	P	1.2
6	☐	250.000	252.755	34512.53	0.0591	P	0.8
7	☐	500.000	499.787	70053.42	0.1168	P	8.1
8	☐	1000.000	999.338	143184.44	0.2336	P	0.0
9	☐			185.19	0.0003	P	9.8

$$y = 2.3376\text{E-}004 * x + 9.7789\text{E-}006$$

$$R = 1.0000$$

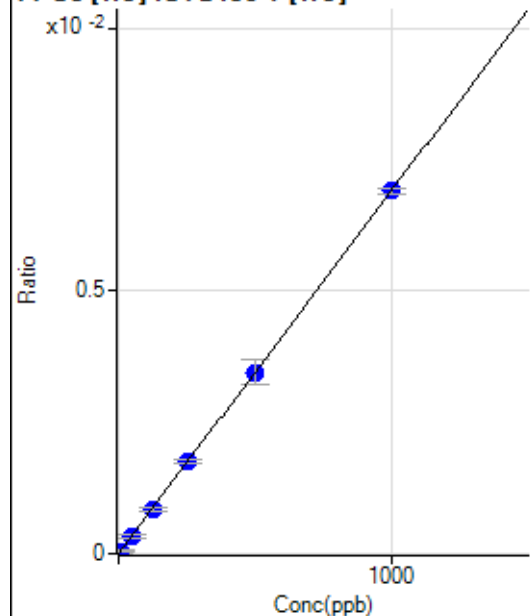
$$DL = 0.04237$$

$$BEC = 0.04183$$

Weight: <None>

Min Conc: 0

77 Se [He] ISTD:89 Y [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	7.536	31.11	0.0001	P	37.9
4	☐	50.000	47.489	190.00	0.0003	P	11.9
5	☐	125.000	121.999	487.79	0.0008	P	5.5
6	☐	250.000	254.353	1026.72	0.0018	P	4.1
7	☐	500.000	499.482	2065.74	0.0035	P	13.7
8	☐	1000.000	999.659	4231.80	0.0069	P	1.9
9	☐			1.11	0.0000	P	173.

$$y = 6.9046\text{E-}006 * x + 1.9631\text{E-}006$$

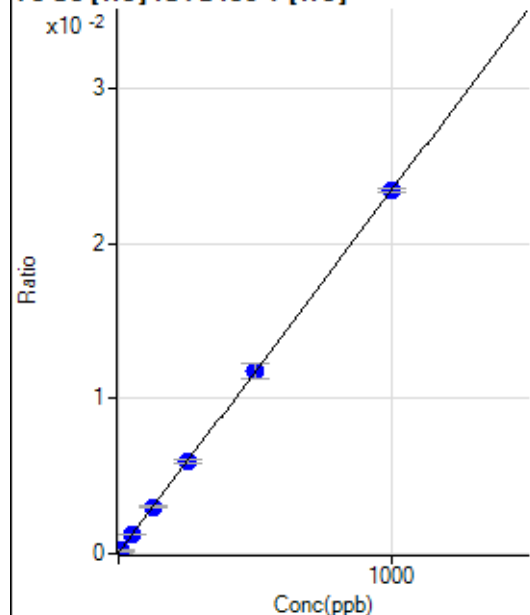
$$R = 1.0000$$

$$DL = 1.477$$

$$BEC = 0.2843$$

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	32.10	0.0001	P	18.1
2	☐	0.500					
3	☐	5.000	5.652	108.64	0.0002	P	23.6
4	☐	50.000	51.318	721.63	0.0013	P	2.4
5	☐	125.000	126.267	1735.92	0.0030	P	3.7
6	☐	250.000	252.542	3477.00	0.0060	P	3.7
7	☐	500.000	500.712	7041.90	0.0117	P	8.9
8	☐	1000.000	998.781	14328.13	0.0234	P	0.9
9	☐			57.41	0.0001	P	15.9

$$y = 2.3350E-005 * x + 5.6419E-005$$

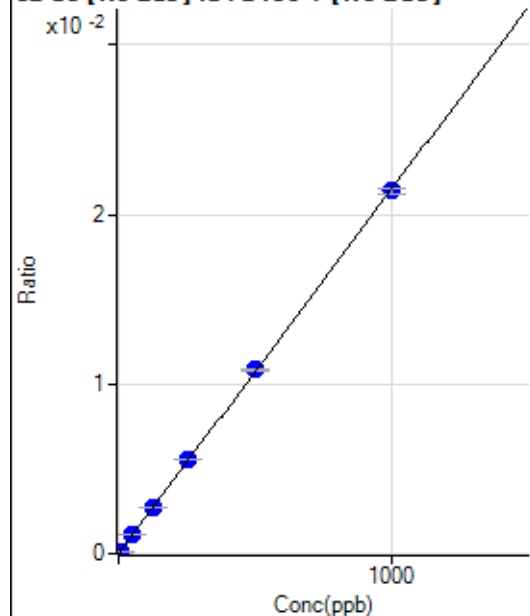
$$R = 1.0000$$

$$DL = 1.309$$

$$BEC = 2.416$$

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	9.51	0.0000	P	307.
2	☐	0.500					
3	☐	5.000	5.677	461.33	0.0001	P	3.9
4	☐	50.000	50.409	4034.57	0.0011	P	1.4
5	☐	125.000	127.370	10147.30	0.0027	P	1.0
6	☐	250.000	258.162	20854.34	0.0055	P	0.9
7	☐	500.000	504.125	41389.68	0.0108	P	1.0
8	☐	1000.000	995.577	82134.22	0.0214	P	1.8
9	☐			75.60	0.0000	P	33.9

$$y = 2.1487E-005 * x + 2.6602E-006$$

$$R = 1.0000$$

$$DL = 1.14$$

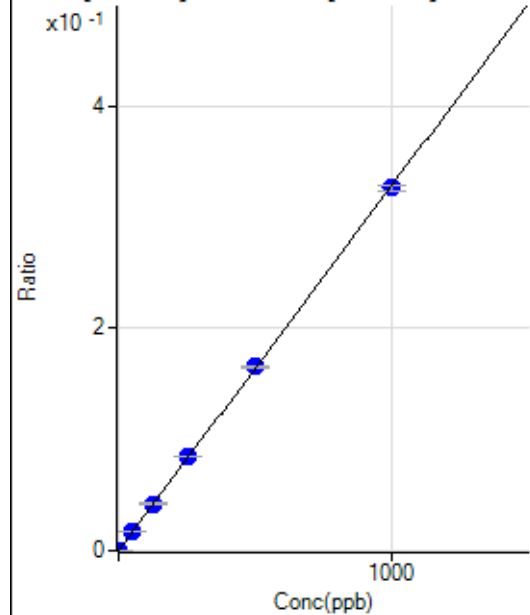
$$BEC = 0.1238$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			152.22		P	21.9
2	☐						
3	☐			144.45		P	13.9
4	☐			150.01		P	27.8
5	☐			133.34		P	21.8
6	☐			130.00		P	13.6
7	☐			137.78		P	9.8
8	☐			157.78		P	20.5
9	☐			165.56		P	16.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	241.68	0.0001	P	16.9
2	☐	0.100					
3	☐	1.000	0.994	1452.91	0.0004	P	9.0
4	☐	50.000	51.342	62865.81	0.0169	P	1.1
5	☐	125.000	128.799	156842.73	0.0423	P	0.8
6	☐	250.000	258.806	319463.49	0.0850	P	0.4
7	☐	500.000	505.210	633725.32	0.1659	P	0.8
8	☐	1000.000	994.652	1253618.78	0.3265	P	1.7
9	☐			5087.19	0.0015	P	2.8

$$y = 3.2824\text{E-}004 * x + 6.6139\text{E-}005$$

$$R = 0.9999$$

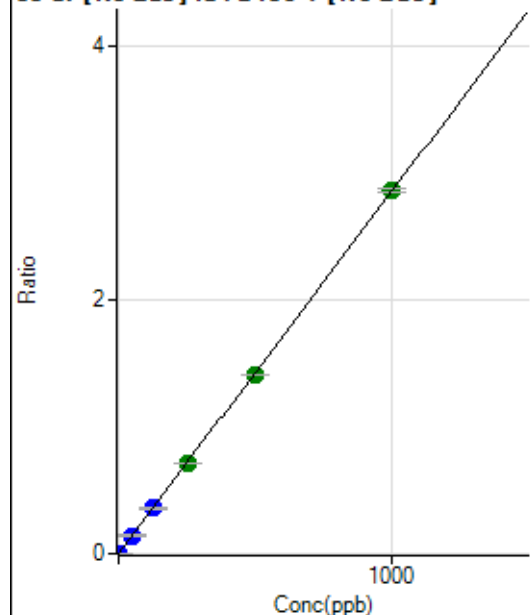
$$DL = 0.1024$$

$$BEC = 0.2015$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	25.00	0.0000	P	1.3
2	☐	0.100					
3	☐	1.000	1.001	10590.39	0.0029	P	1.7
4	☐	50.000	50.380	533828.60	0.1437	P	0.4
5	☐	125.000	125.000	1320301.16	0.3564	P	0.7
6	☐	250.000	250.630	2685490.34	0.7147	A	0.2
7	☐	500.000	495.011	5392058.41	1.4115	A	0.0
8	☐	1000.000	1002.318	10972871.51	2.8581	A	1.1
9	☐			42915.35	0.0127	P	0.7

$$y = 0.0029 * x + 6.8329E-006$$

$$R = 1.0000$$

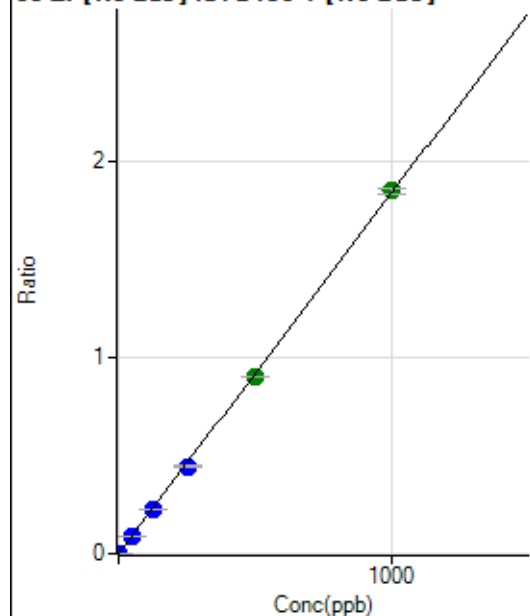
$$DL = 9.078E-05$$

$$BEC = 0.002396$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	308.35	0.0001	P	33.2
2	☐	0.100					
3	☐	1.000	0.962	6860.28	0.0019	P	3.8
4	☐	50.000	49.088	336033.80	0.0904	P	0.5
5	☐	125.000	122.774	837353.11	0.2261	P	0.3
6	☐	250.000	242.085	1674653.17	0.4457	P	1.0
7	☐	500.000	491.252	3454263.66	0.9043	A	0.7
8	☐	1000.000	1006.677	7113804.67	1.8529	A	1.3
9	☐			1908.55	0.0006	P	5.2

$$y = 0.0018 * x + 8.4054E-005$$

$$R = 0.9999$$

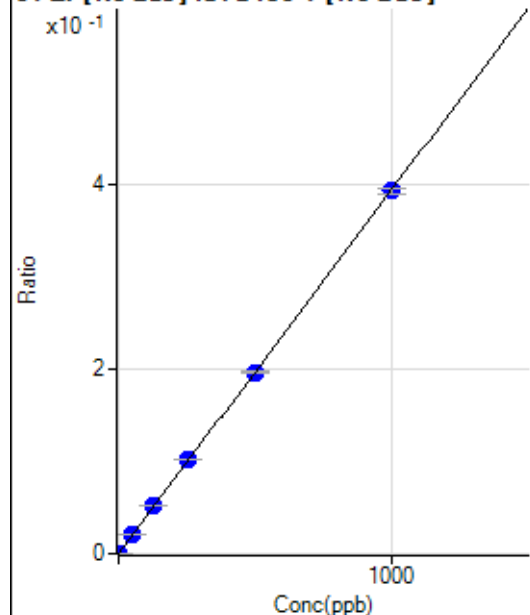
$$DL = 0.04553$$

$$BEC = 0.04567$$

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	58.34	0.0000	P	63.1
2	☐	0.100					
3	☐	1.000	0.960	1461.25	0.0004	P	6.2
4	☐	50.000	52.156	76552.38	0.0206	P	0.6
5	☐	125.000	129.778	189800.74	0.0512	P	0.2
6	☐	250.000	258.771	383855.97	0.1022	P	0.6
7	☐	500.000	498.913	752280.76	0.1969	P	0.9
8	☐	1000.000	997.646	1511752.63	0.3938	P	1.7
9	☐			380.58	0.0001	P	6.6

$$y = 3.9470\text{E-}004 * x + 1.5986\text{E-}005$$

$$R = 1.0000$$

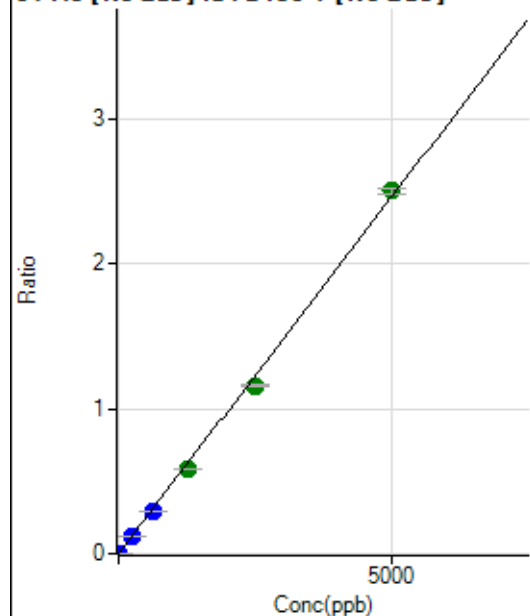
$$DL = 0.07666$$

$$BEC = 0.0405$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	147.23	0.0000	P	18.0
2	☐	0.500					
3	☐	5.000	4.295	7966.44	0.0022	P	2.0
4	☐	250.000	240.862	440329.78	0.1185	P	0.7
5	☐	625.000	598.801	1091042.17	0.2945	P	0.5
6	☐	1250.000	1194.208	2207204.58	0.5874	A	0.8
7	☐	2500.000	2359.140	4432368.81	1.1603	A	1.0
8	☐	5000.000	5088.111	9607199.61	2.5025	A	1.7
9	☐			3667.29	0.0011	P	5.4

$$y = 4.9183\text{E-}004 * x + 4.0224\text{E-}005$$

$$R = 0.9994$$

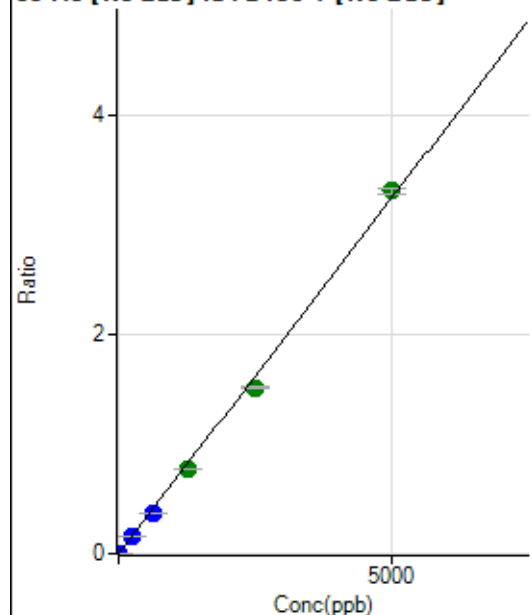
$$DL = 0.04422$$

$$BEC = 0.08178$$

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	36.11	0.0000	P	72.9
2	☐	0.500					
3	☐	5.000	4.205	10142.88	0.0027	P	3.7
4	☐	250.000	233.835	564446.56	0.1519	P	1.2
5	☐	625.000	578.577	1392173.74	0.3759	P	1.0
6	☐	1250.000	1182.707	2886993.94	0.7683	A	0.4
7	☐	2500.000	2335.302	5794894.70	1.5170	A	0.8
8	☐	5000.000	5105.784	12732848.29	3.3167	A	1.7
9	☐			5643.00	0.0017	P	6.1

$$y = 6.4959\text{E-}004 * x + 9.8109\text{E-}006$$

$$R = 0.9991$$

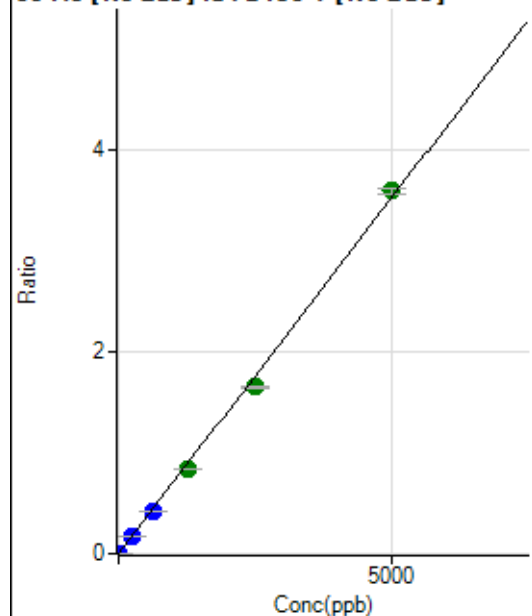
$$DL = 0.03302$$

$$BEC = 0.0151$$

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	52.78	0.0000	P	32.9
2	☐	0.500					
3	☐	5.000	4.269	11185.35	0.0030	P	3.5
4	☐	250.000	237.364	621425.09	0.1672	P	0.3
5	☐	625.000	585.188	1527157.94	0.4123	P	0.2
6	☐	1250.000	1179.440	3122372.84	0.8309	A	0.4
7	☐	2500.000	2346.532	6314852.14	1.6531	A	1.2
8	☐	5000.000	5099.983	13793751.18	3.5930	A	1.5
9	☐			8886.46	0.0026	P	7.7

$$y = 7.0450\text{E-}004 * x + 1.4419\text{E-}005$$

$$R = 0.9992$$

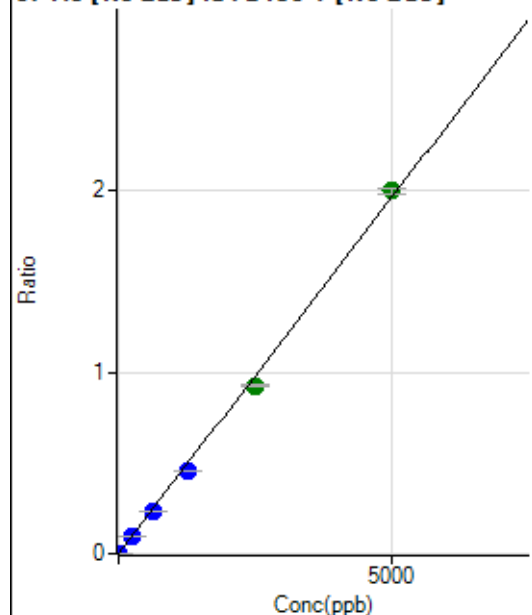
$$DL = 0.0202$$

$$BEC = 0.02047$$

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	19.45	0.0000	P	23.3
2	☐	0.500					
3	☐	5.000	4.257	6198.82	0.0017	P	4.2
4	☐	250.000	242.241	353059.03	0.0950	P	1.7
5	☐	625.000	599.615	871181.05	0.2352	P	0.6
6	☐	1250.000	1161.030	1711249.23	0.4554	P	1.3
7	☐	2500.000	2357.244	3531884.06	0.9246	A	0.7
8	☐	5000.000	5097.182	7675135.33	1.9993	A	1.9
9	☐			3294.95	0.0010	P	9.5

$$y = 3.9223\text{E-}004 * x + 5.3041\text{E-}006$$

$$R = 0.9992$$

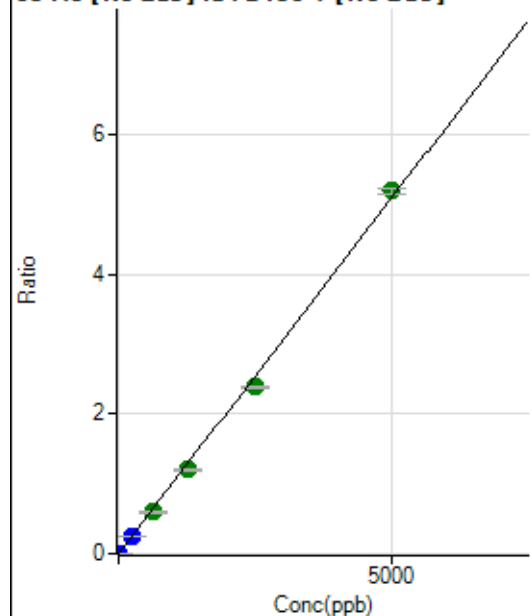
$$DL = 0.009471$$

$$BEC = 0.01352$$

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	33.34	0.0000	P	66.7
2	☐	0.500					
3	☐	5.000	4.197	15873.28	0.0043	P	0.8
4	☐	250.000	236.425	895916.74	0.2411	P	0.1
5	☐	625.000	582.361	2199848.23	0.5939	A	0.6
6	☐	1250.000	1178.329	4515380.57	1.2016	A	1.1
7	☐	2500.000	2343.459	9128908.54	2.3898	A	0.7
8	☐	5000.000	5102.198	19974886.90	5.2031	A	1.7
9	☐			7880.28	0.0023	P	4.4

$$y = 0.0010 * x + 9.1400\text{E-}006$$

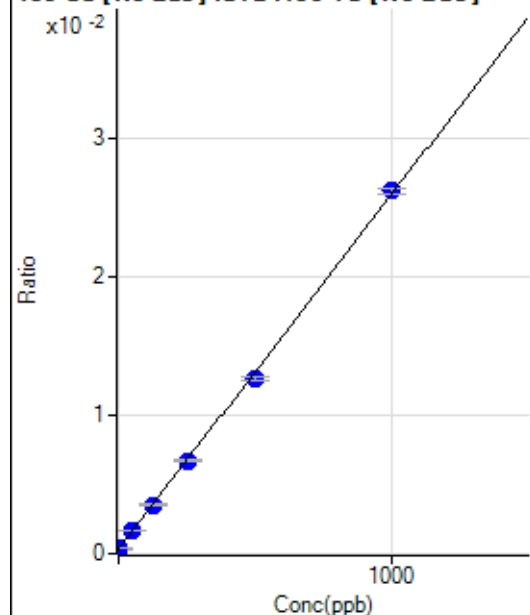
$$R = 0.9992$$

$$DL = 0.01792$$

$$BEC = 0.008963$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1261.24	0.0003	P	11.1
2	☐	0.100					
3	☐	1.000	1.347	1397.35	0.0004	P	5.5
4	☐	50.000	50.513	6207.16	0.0016	P	3.1
5	☐	125.000	124.661	13351.25	0.0035	P	1.9
6	☐	250.000	249.760	26085.83	0.0067	P	3.2
7	☐	500.000	480.173	49423.16	0.0126	P	2.9
8	☐	1000.000	1009.990	102404.47	0.0262	P	1.8
9	☐			1180.65	0.0003	P	6.5

$$y = 2.5636\text{E-}005 * x + 3.3922\text{E-}004$$

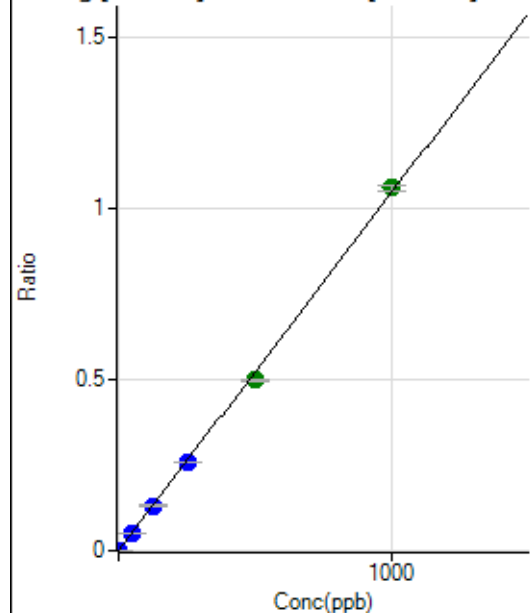
$$R = 0.9997$$

$$DL = 4.424$$

$$BEC = 13.23$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	30.56	0.0000	P	62.7
2	☐	0.100					
3	☐	1.000	1.076	4234.15	0.0011	P	8.3
4	☐	50.000	50.621	200968.81	0.0529	P	1.0
5	☐	125.000	125.995	497323.93	0.1317	P	0.4
6	☐	250.000	245.423	992320.83	0.2565	P	0.7
7	☐	500.000	475.418	1941361.56	0.4968	A	0.3
8	☐	1000.000	1013.280	4133950.22	1.0589	A	1.4
9	☐			405.58	0.0001	P	11.6

$$y = 0.0010 * x + 8.1738\text{E-}006$$

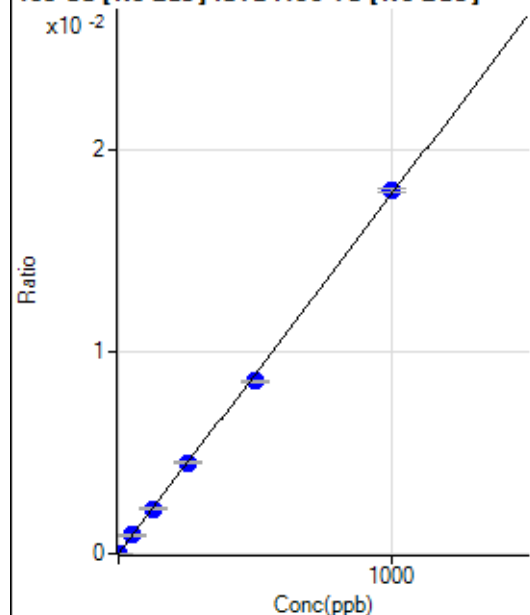
$$R = 0.9995$$

$$DL = 0.0147$$

$$BEC = 0.007822$$

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	1.39	0.0000	P	173.
2	☐	0.100					
3	☐	1.000	1.339	90.28	0.0000	P	22.1
4	☐	50.000	50.825	3431.05	0.0009	P	2.2
5	☐	125.000	123.910	8315.10	0.0022	P	3.1
6	☐	250.000	253.121	17398.44	0.0045	P	1.3
7	☐	500.000	479.175	33262.94	0.0085	P	0.4
8	☐	1000.000	1009.727	70031.86	0.0179	P	1.0
9	☐			19.45	0.0000	P	25.3

$$y = 1.7765E-005 * x + 3.6520E-007$$

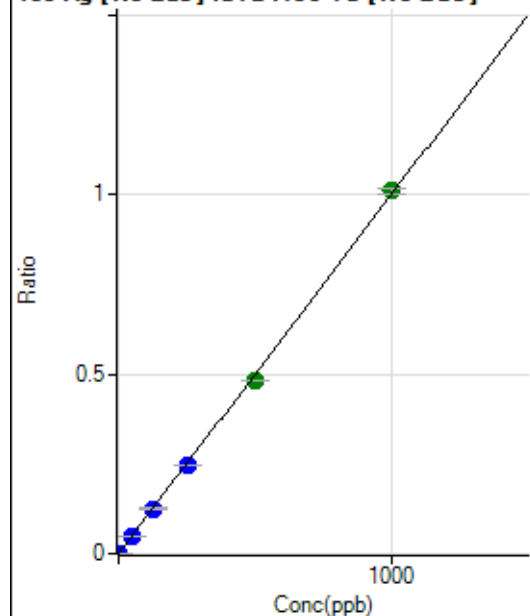
$$R = 0.9997$$

$$DL = 0.1068$$

$$BEC = 0.02056$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	25.00	0.0000	P	31.7
2	☐	0.100					
3	☐	1.000	1.110	4173.01	0.0011	P	4.0
4	☐	50.000	50.381	191209.35	0.0503	P	0.7
5	☐	125.000	125.775	474592.37	0.1257	P	0.5
6	☐	250.000	245.794	950051.36	0.2456	P	0.6
7	☐	500.000	481.828	1880899.72	0.4814	A	0.2
8	☐	1000.000	1010.021	3939252.82	1.0090	A	1.6
9	☐			269.46	0.0001	P	27.5

$$y = 9.9903E-004 * x + 6.6919E-006$$

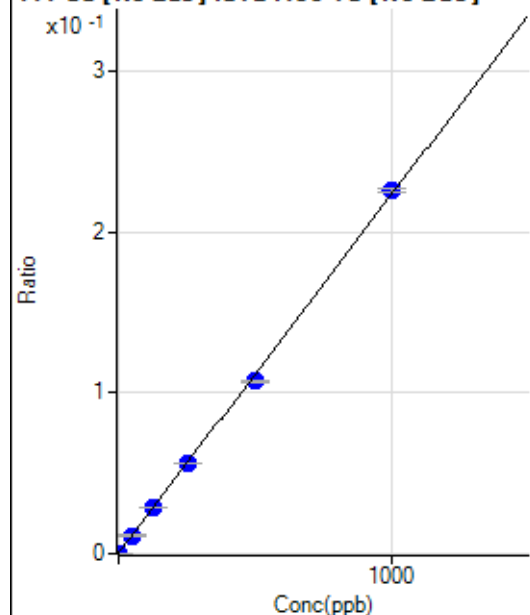
$$R = 0.9997$$

$$DL = 0.006361$$

$$BEC = 0.006698$$

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	881.89	0.0002	P	11.3
2	☐	0.100					
3	☐	1.000	1.005	1724.71	0.0005	P	4.0
4	☐	50.000	49.662	42954.24	0.0113	P	1.1
5	☐	125.000	126.088	107059.33	0.0283	P	0.6
6	☐	250.000	249.480	216095.00	0.0559	P	0.2
7	☐	500.000	479.401	418530.61	0.1071	P	0.8
8	☐	1000.000	1010.310	880230.80	0.2255	P	1.2
9	☐			940.63	0.0003	P	7.6

$$y = 2.2293\text{E-}004 * x + 2.3720\text{E-}004$$

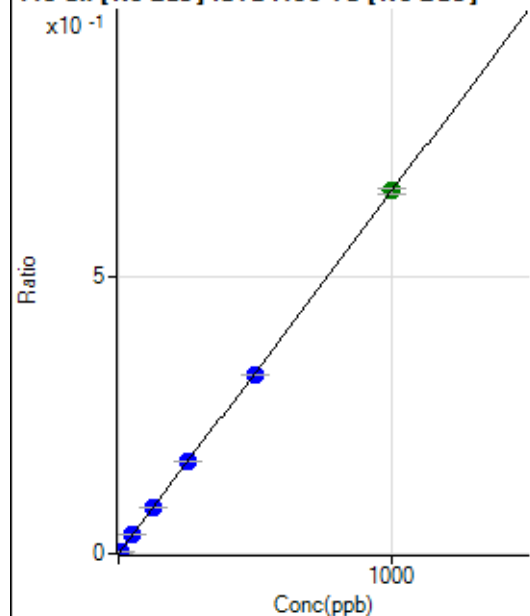
$$R = 0.9997$$

$$DL = 0.362$$

$$BEC = 1.064$$

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	111.12	0.0000	P	22.9
2	☐	0.500					
3	☐	5.000	5.256	12973.16	0.0035	P	2.6
4	☐	50.000	51.138	127233.51	0.0335	P	0.8
5	☐	125.000	129.458	320088.04	0.0848	P	0.7
6	☐	250.000	255.338	646585.90	0.1671	P	1.3
7	☐	500.000	493.228	1261360.44	0.3228	P	0.5
8	☐	1000.000	1001.436	2558477.05	0.6554	A	1.8
9	☐			1022.31	0.0003	P	8.4

$$y = 6.5443\text{E-}004 * x + 2.9837\text{E-}005$$

$$R = 0.9999$$

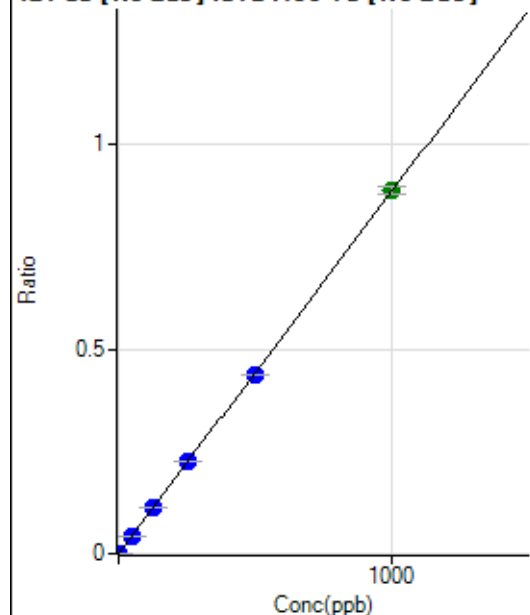
$$DL = 0.03139$$

$$BEC = 0.04559$$

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	17.50	0.0000	P	76.7
2	☐	0.200					
3	☐	2.000	2.064	6845.97	0.0018	P	1.2
4	☐	50.000	50.328	169176.01	0.0445	P	0.4
5	☐	125.000	128.994	431116.36	0.1141	P	0.5
6	☐	250.000	253.189	866801.00	0.2240	P	0.5
7	☐	500.000	492.774	1703817.23	0.4360	P	0.3
8	☐	1000.000	1002.300	3462118.37	0.8869	A	2.1
9	☐			4296.39	0.0013	P	4.4

$$y = 8.8487\text{E-}004 * x + 4.6537\text{E-}006$$

$$R = 0.9999$$

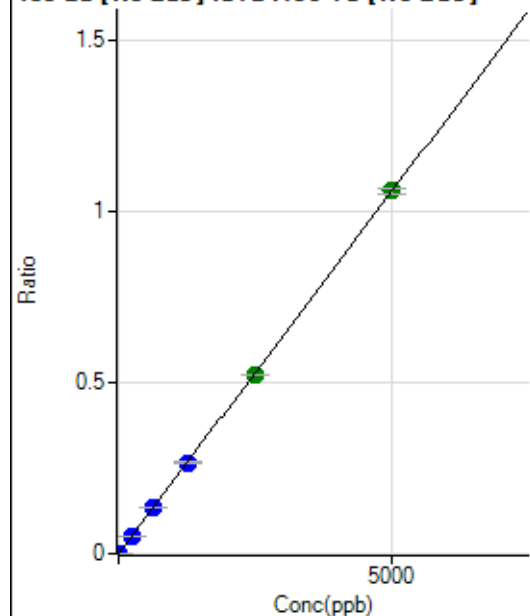
$$DL = 0.0121$$

$$BEC = 0.005259$$

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	8.33	0.0000	P	173.
2	☐	1.000					
3	☐	10.000	10.407	8222.25	0.0022	P	1.6
4	☐	250.000	250.242	200658.96	0.0528	P	0.2
5	☐	625.000	634.340	505740.17	0.1339	P	0.5
6	☐	1250.000	1256.953	1026536.06	0.2653	P	0.9
7	☐	2500.000	2465.852	2033895.57	0.5205	A	0.5
8	☐	5000.000	5014.156	4131874.22	1.0584	A	1.8
9	☐			538.92	0.0002	P	22.1

$$y = 2.1109\text{E-}004 * x + 2.2648\text{E-}006$$

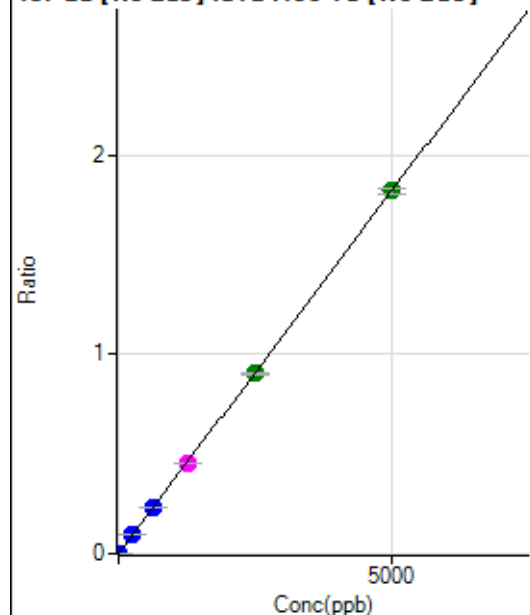
$$R = 1.0000$$

$$DL = 0.05575$$

$$BEC = 0.01073$$

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	11.11	0.0000	P	114.
2	☐	1.000					
3	☐	10.000	10.156	13810.20	0.0037	P	0.5
4	☐	250.000	253.041	349302.01	0.0920	P	0.3
5	☐	625.000	635.908	872805.80	0.2311	P	0.4
6	☐	1250.000	1252.360	1760787.71	0.4551	M	0.7
7	☐	2500.000	2485.959	3529996.08	0.9034	A	0.5
8	☐	5000.000	5004.915	7100265.00	1.8188	A	1.6
9	☐			877.85	0.0003	P	5.5

$$y = 3.6340\text{E-}004 * x + 3.0164\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.02852$$

$$BEC = 0.0083$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐						
3	☐			0.00		P	
4	☐			11.11		P	124.
5	☐			40.00		P	44.1
6	☐			71.11		P	14.3
7	☐			148.89		P	54.2
8	☐			233.35		P	18.7
9	☐			68.89		P	40.3

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			3.33		P	100.
5	☐			11.11		P	45.8
6	☐			7.78		P	49.5
7	☐			25.56		P	7.5
8	☐			37.78		P	66.8
9	☐			27.78		P	59.2

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			2.78		P	173.
4	☐			2.78		P	173.
5	☐			8.33		P	100.
6	☐			13.89		P	34.7
7	☐			33.34		P	66.1
8	☐			66.67		P	25.0
9	☐			33.34		P	66.1

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐						
3	☐			3.33		P	100.
4	☐			1.11		P	173.
5	☐			17.78		P	47.2
6	☐			16.67		P	20.0
7	☐			40.00		P	44.1
8	☐			82.22		P	25.7
9	☐			16.67		P	40.0

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			19.44		P	65.5
2	☐						
3	☐			27.78		P	91.7
4	☐			25.00		P	33.3
5	☐			38.89		P	44.6
6	☐			27.78		P	62.5
7	☐			47.23		P	20.4
8	☐			58.34		P	14.3
9	☐			52.78		P	36.5

160 Gd [He] No available calibration points

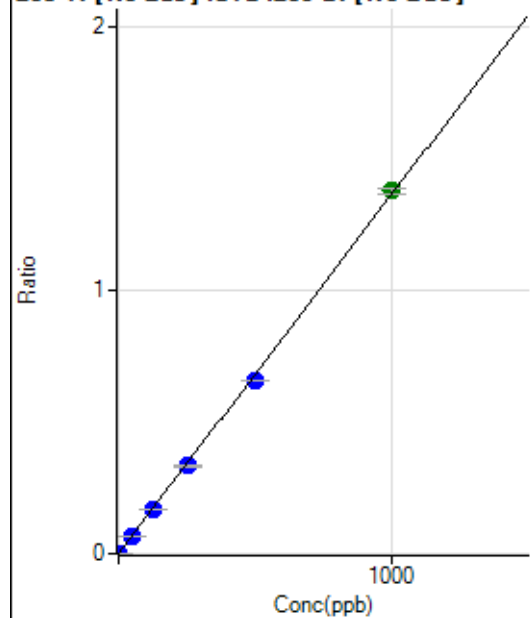
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			65.55		P	29.8
2	☐						
3	☐			66.67		P	10.0
4	☐			68.89		P	11.2
5	☐			67.78		P	32.8
6	☐			60.00		P	33.8
7	☐			66.67		P	31.2
8	☐			76.67		P	30.4
9	☐			74.44		P	29.1

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.33		P	0.0
2	☐						
3	☐			13.89		P	34.7
4	☐			16.67		P	50.0
5	☐			13.89		P	34.7
6	☐			16.67		P	50.0
7	☐			16.67		P	86.6
8	☐			27.78		P	34.6
9	☐			30.56		P	41.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐						
3	☐			3.33		P	100.
4	☐			10.00		P	57.7
5	☐			4.44		P	43.4
6	☐			12.22		P	41.7
7	☐			5.56		P	34.7
8	☐			6.67		P	50.0
9	☐			5.56		P	91.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	19.45	0.0000	P	25.7
2	☐	0.100					
3	☐	1.000	0.923	2697.62	0.0013	P	5.7
4	☐	50.000	48.917	143765.18	0.0667	P	1.7
5	☐	125.000	123.217	361932.27	0.1679	P	0.4
6	☐	250.000	245.169	728317.66	0.3342	P	2.4
7	☐	500.000	482.247	1417016.25	0.6573	P	0.6
8	☐	1000.000	1010.361	2859823.68	1.3771	A	1.7
9	☐			908.41	0.0005	P	1.8

$$y = 0.0014 * x + 9.3166E-006$$

$$R = 0.9998$$

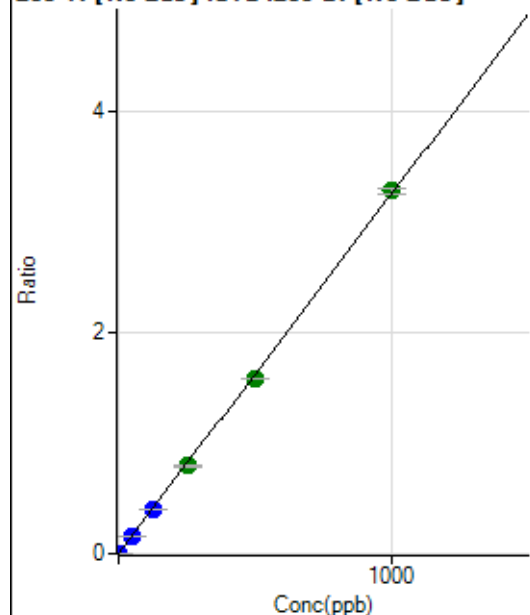
$$DL = 0.00528$$

$$BEC = 0.006836$$

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	69.45	0.0000	P	24.3
2	☐	0.100					
3	☐	1.000	0.979	6846.52	0.0032	P	2.9
4	☐	50.000	49.570	347627.79	0.1612	P	0.7
5	☐	125.000	123.871	868173.22	0.4029	P	0.6
6	☐	250.000	244.079	1730199.54	0.7938	A	1.3
7	☐	500.000	485.959	3406903.72	1.5803	A	0.5
8	☐	1000.000	1008.663	6812241.51	3.2801	A	1.4
9	☐			2339.21	0.0014	P	11.8

$$y = 0.0033 * x + 3.3180E-005$$

$$R = 0.9998$$

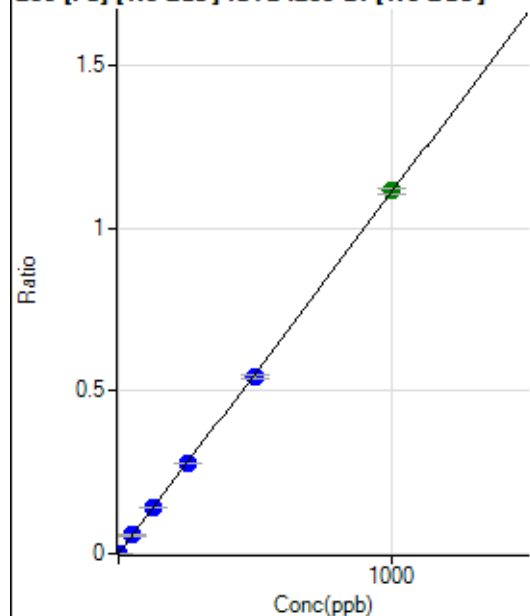
$$DL = 0.00743$$

$$BEC = 0.0102$$

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	61.11	0.0000	P	8.1
2	☐	0.100					
3	☐	1.000	1.016	2459.56	0.0012	P	5.1
4	☐	50.000	50.650	121115.82	0.0562	P	1.5
5	☐	125.000	126.148	301405.27	0.1399	P	0.2
6	☐	250.000	249.829	603698.93	0.2770	P	1.4
7	☐	500.000	490.259	1171625.62	0.5435	P	1.5
8	☐	1000.000	1004.737	2313029.51	1.1138	A	1.4
9	☐			1940.94	0.0012	P	3.4

$$y = 0.0011 * x + 2.9216E-005$$

$$R = 0.9999$$

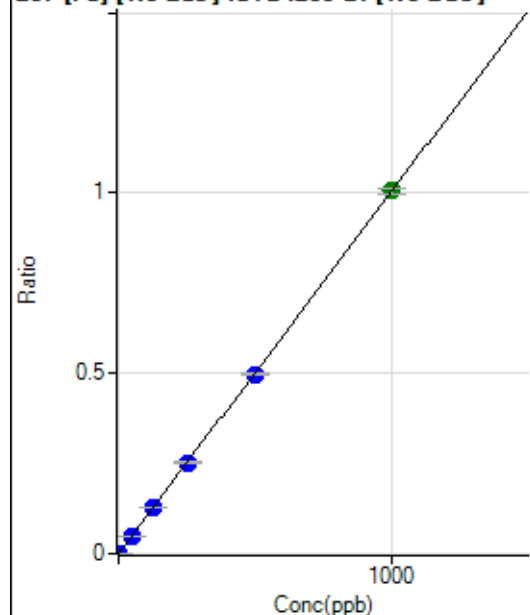
$$DL = 0.006378$$

$$BEC = 0.02636$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	37.04	0.0000	P	53.2
2	☐	0.100					
3	☐	1.000	0.946	2057.63	0.0010	P	4.8
4	☐	50.000	50.106	108476.10	0.0503	P	1.0
5	☐	125.000	125.907	272376.30	0.1264	P	0.4
6	☐	250.000	251.999	551333.25	0.2530	P	2.1
7	☐	500.000	495.049	1071222.28	0.4969	P	0.7
8	☐	1000.000	1001.857	2088377.96	1.0056	A	1.3
9	☐			1598.30	0.0010	P	8.9

$$y = 0.0010 * x + 1.7728E-005$$

$$R = 1.0000$$

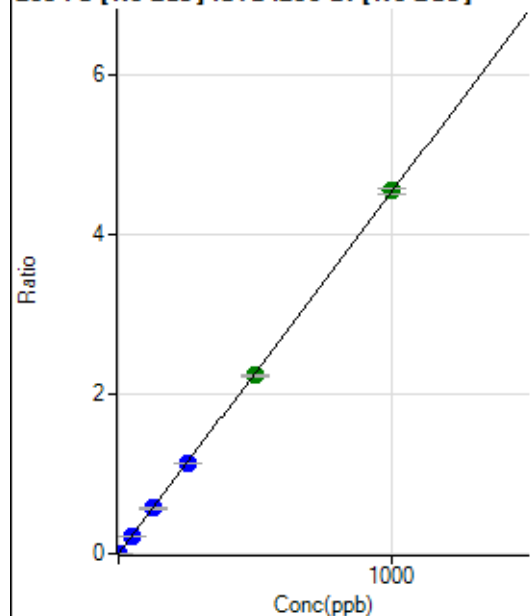
$$DL = 0.0282$$

$$BEC = 0.01766$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	222.23	0.0001	P	3.7
2	☐	0.100					
3	☐	1.000	0.989	9746.14	0.0046	P	4.4
4	☐	50.000	49.884	486605.30	0.2257	P	0.6
5	☐	125.000	125.185	1220151.55	0.5662	P	0.6
6	☐	250.000	250.496	2469342.15	1.1329	P	1.5
7	☐	500.000	492.615	4802608.75	2.2278	A	0.6
8	☐	1000.000	1003.551	9424806.19	4.5383	A	1.3
9	☐			7356.56	0.0044	P	2.2

$$y = 0.0045 * x + 1.0626E-004$$

$$R = 1.0000$$

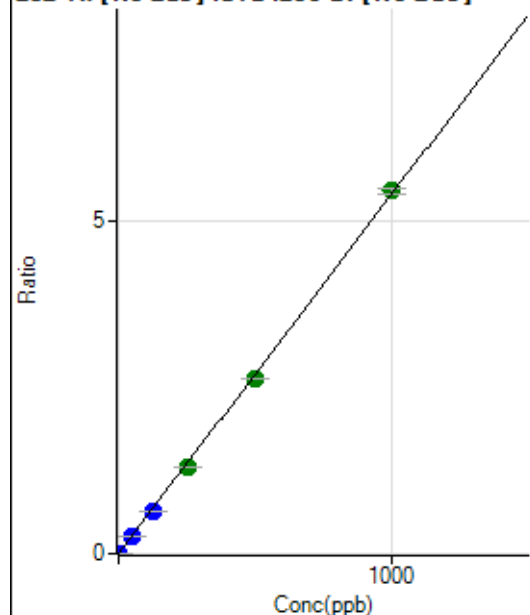
$$DL = 0.002618$$

$$BEC = 0.0235$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	20.37	0.0000	P	15.4
2	☐	0.100					
3	☐	1.000	0.893	10289.56	0.0048	P	2.9
4	☐	50.000	46.944	546679.35	0.2535	P	0.6
5	☐	125.000	118.377	1377708.70	0.6393	P	0.9
6	☐	250.000	241.493	2843029.64	1.3042	A	0.9
7	☐	500.000	485.851	5656795.26	2.6240	A	0.4
8	☐	1000.000	1010.182	11329725.02	5.4557	A	1.6
9	☐			1761.28	0.0011	P	9.7

$$y = 0.0054 * x + 9.7398E-006$$

$$R = 0.9998$$

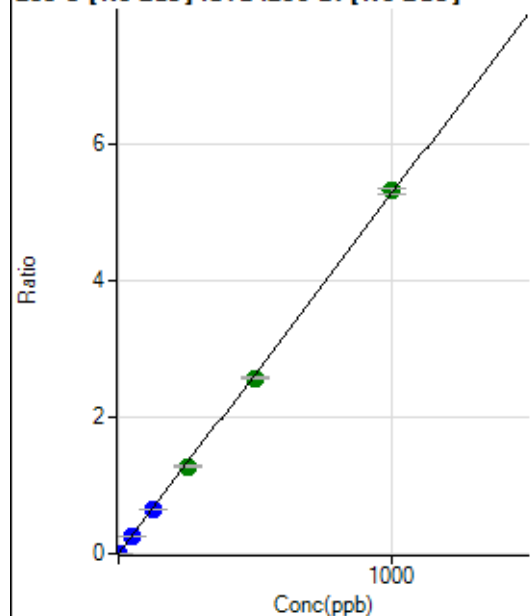
$$DL = 0.0008332$$

$$BEC = 0.001803$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	11.11	0.0000	P	114.
2	☐	0.100					
3	☐	1.000	0.919	10329.53	0.0049	P	3.9
4	☐	50.000	48.061	546819.29	0.2536	P	0.2
5	☐	125.000	121.207	1378281.39	0.6396	P	0.7
6	☐	250.000	242.904	2793920.68	1.2818	A	1.4
7	☐	500.000	487.996	5551450.03	2.5751	A	0.5
8	☐	1000.000	1008.347	11049781.67	5.3209	A	1.7
9	☐			686.16	0.0004	P	24.1

$$y = 0.0053 * x + 5.3490E-006$$

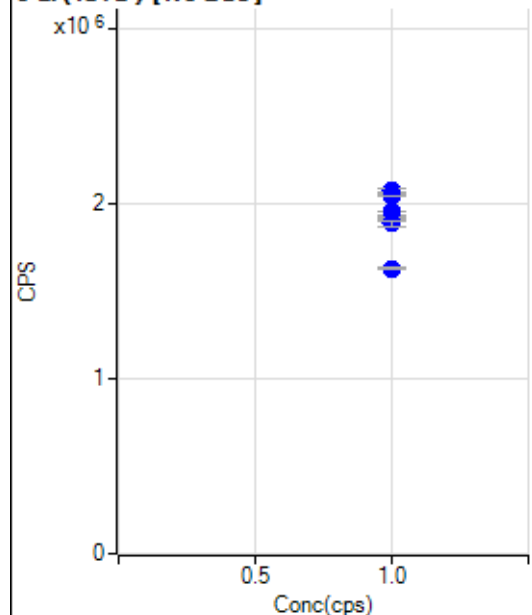
$$R = 0.9999$$

$$DL = 0.003478$$

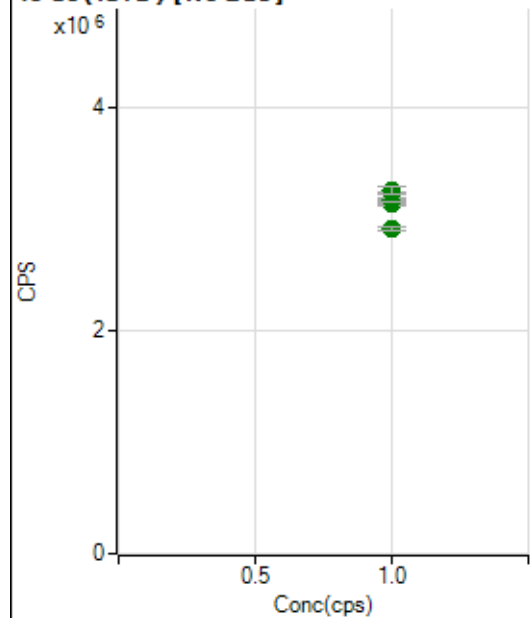
$$BEC = 0.001014$$

Weight: <None>

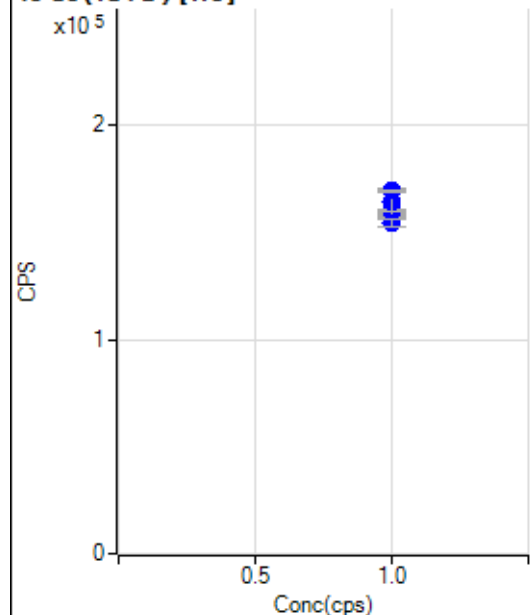
Min Conc: 0

6 Li (ISTD) [No Gas]

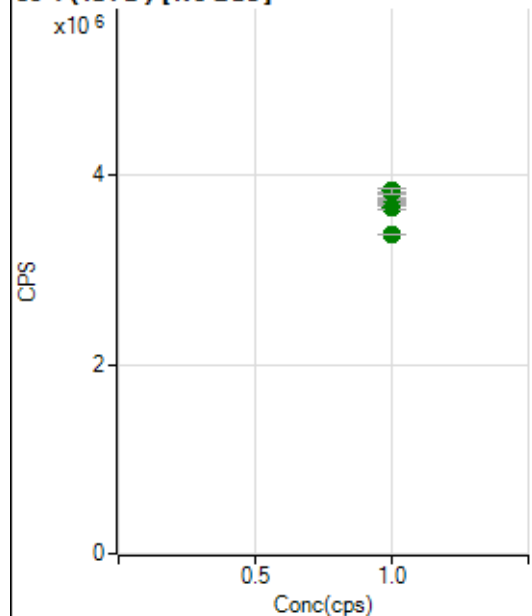
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2071118.64		P	0.9
2	☐	1.000					
3	☐	1.000		2048021.52		P	0.5
4	☐	1.000		2040535.13		P	0.3
5	☐	1.000		1957793.55		P	0.1
6	☐	1.000		1929418.89		P	0.2
7	☐	1.000		1915495.63		P	0.6
8	☐	1.000		1884960.79		P	1.5
9	☐	1.000		1629421.32		P	0.4

45 Sc (ISTD) [No Gas]

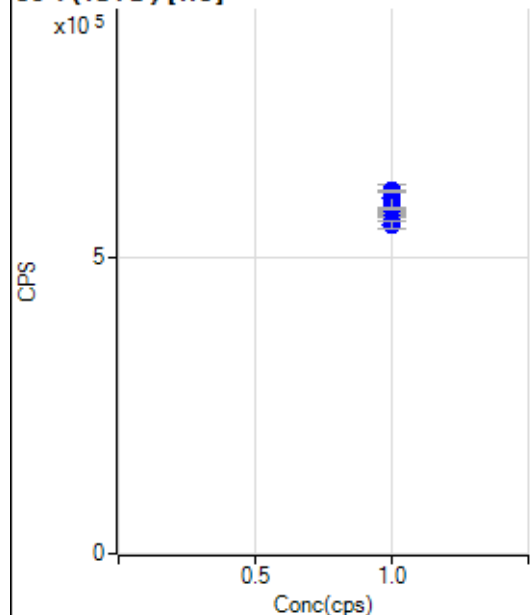
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3140768.02		A	1.7
2	☐	1.000					
3	☐	1.000		3179301.24		A	0.4
4	☐	1.000		3169129.61		A	0.2
5	☐	1.000		3128937.98		A	0.5
6	☐	1.000		3166521.93		A	0.8
7	☐	1.000		3235905.06		A	0.3
8	☐	1.000		3248701.42		A	2.0
9	☐	1.000		2909227.08		A	0.7

45 Sc (ISTD) [He]

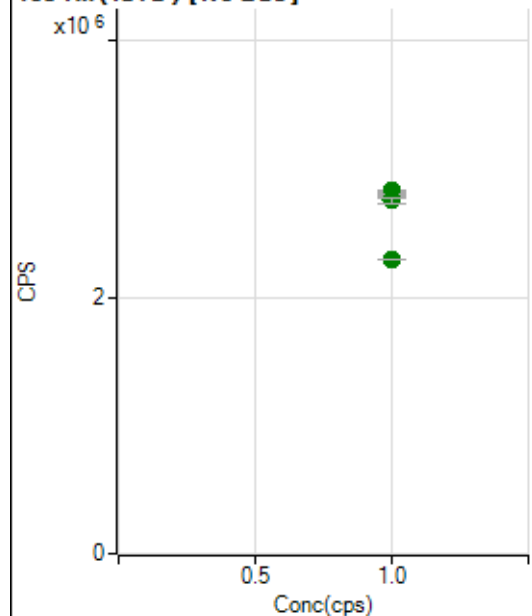
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		157186.62		P	0.8
2	☐	1.000					
3	☐	1.000		158155.65		P	0.7
4	☐	1.000		157668.52		P	2.2
5	☐	1.000		156766.33		P	1.2
6	☐	1.000		159755.56		P	0.5
7	☐	1.000		164006.95		P	8.3
8	☐	1.000		169237.32		P	0.4
9	☐	1.000		154405.40		P	2.2

89 Y (ISTD) [No Gas]

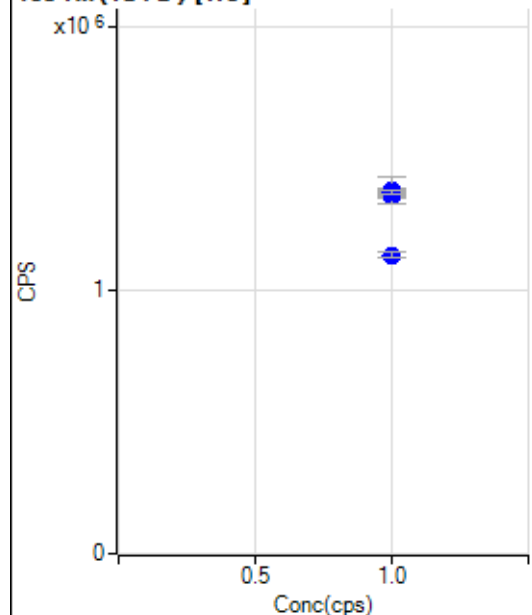
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3659184.94		A	1.3
2	☐	1.000					
3	☐	1.000		3700772.48		A	0.6
4	☐	1.000		3715854.18		A	0.5
5	☐	1.000		3704202.48		A	0.5
6	☐	1.000		3757672.13		A	0.2
7	☐	1.000		3820049.88		A	0.5
8	☐	1.000		3839693.80		A	1.6
9	☐	1.000		3384441.79		A	0.1

89 Y(ISTD) [He]

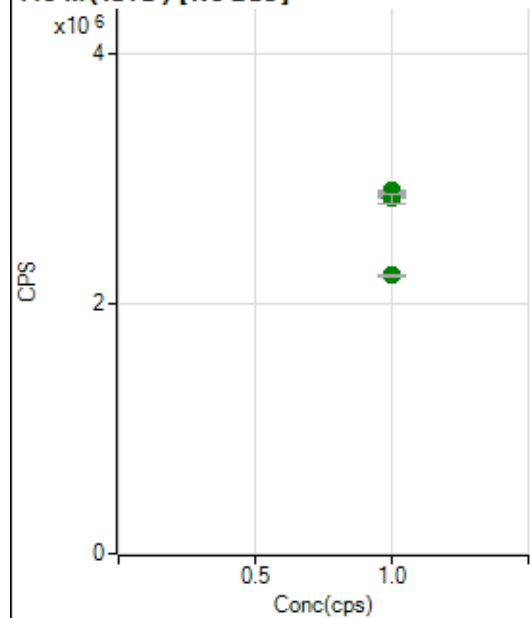
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		568642.30		P	0.5
2	☐	1.000					
3	☐	1.000		576475.50		P	0.4
4	☐	1.000		575148.16		P	2.1
5	☐	1.000		577664.41		P	0.4
6	☐	1.000		584029.16		P	0.4
7	☐	1.000		601905.86		P	7.2
8	☐	1.000		612905.34		P	0.6
9	☐	1.000		556504.93		P	2.4

103 Rh(ISTD) [No Gas]

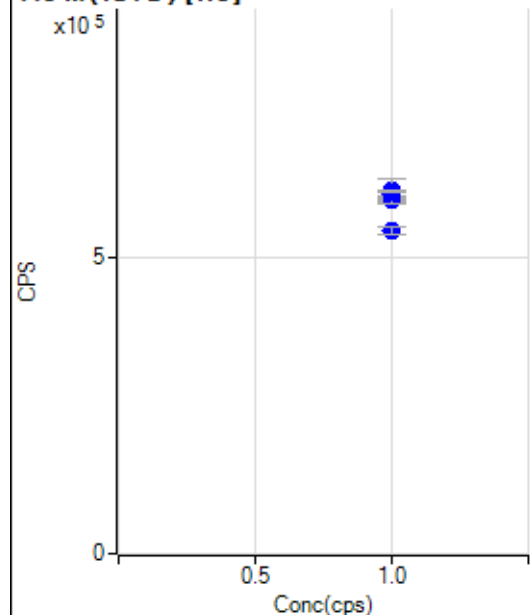
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2813419.68		A	1.5
2	☐	1.000					
3	☐	1.000		2818974.98		A	0.3
4	☐	1.000		2830559.07		A	0.3
5	☐	1.000		2788011.15		A	0.6
6	☐	1.000		2796550.00		A	0.2
7	☐	1.000		2808725.30		A	0.2
8	☐	1.000		2753175.95		A	1.6
9	☐	1.000		2295801.57		A	0.3

103 Rh (ISTD) [He]

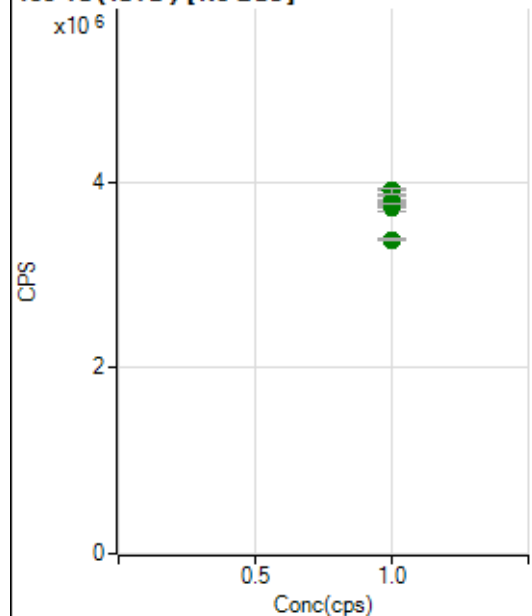
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1358495.66		P	1.0
2	☐	1.000					
3	☐	1.000		1375691.58		P	0.7
4	☐	1.000		1371217.11		P	1.9
5	☐	1.000		1362998.88		P	0.2
6	☐	1.000		1368952.57		P	1.0
7	☐	1.000		1378022.38		P	7.3
8	☐	1.000		1372877.67		P	0.6
9	☐	1.000		1135588.84		P	2.5

115 In (ISTD) [No Gas]

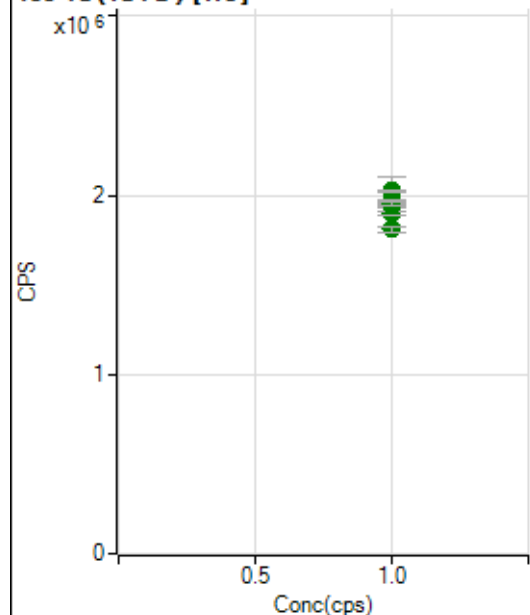
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2858823.33		A	1.2
2	☐	1.000					
3	☐	1.000		2863842.20		A	0.1
4	☐	1.000		2900289.71		A	0.8
5	☐	1.000		2850467.07		A	0.7
6	☐	1.000		2877384.20		A	0.4
7	☐	1.000		2876208.95		A	0.6
8	☐	1.000		2836524.30		A	2.8
9	☐	1.000		2224565.04		A	0.4

115 In (ISTD) [He]

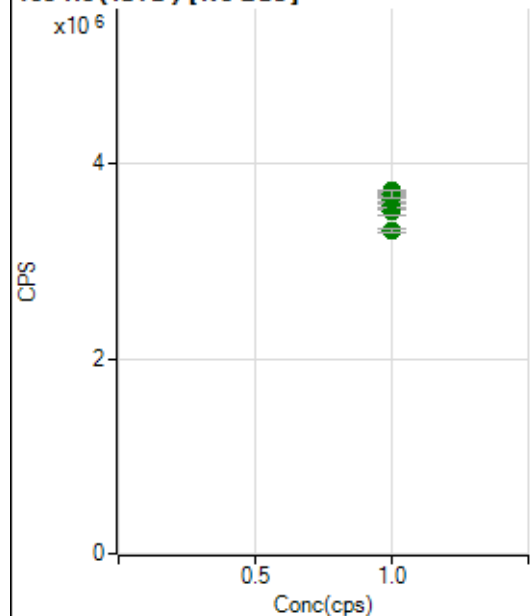
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		597538.36		P	0.5
2	☐	1.000					
3	☐	1.000		602108.59		P	0.3
4	☐	1.000		603707.61		P	2.1
5	☐	1.000		600584.65		P	0.2
6	☐	1.000		608477.11		P	1.7
7	☐	1.000		613432.66		P	7.1
8	☐	1.000		612414.82		P	0.9
9	☐	1.000		547616.51		P	2.4

159 Tb (ISTD) [No Gas]

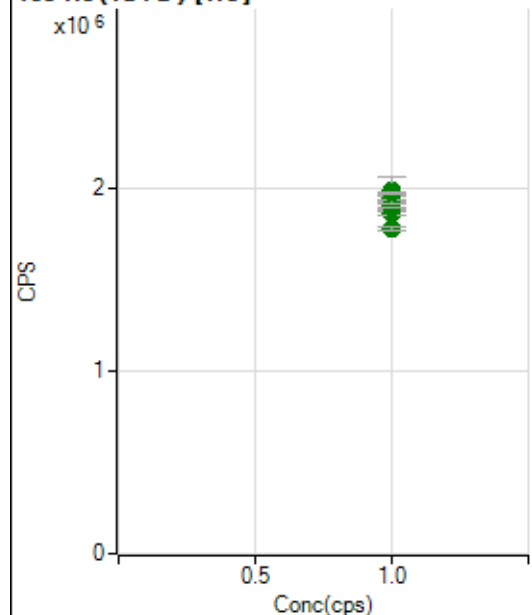
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3723361.61		A	1.9
2	☐	1.000					
3	☐	1.000		3738937.93		A	0.4
4	☐	1.000		3798461.99		A	0.2
5	☐	1.000		3776832.03		A	0.1
6	☐	1.000		3868897.55		A	0.5
7	☐	1.000		3907424.91		A	0.2
8	☐	1.000		3904515.67		A	1.7
9	☐	1.000		3378277.07		A	0.7

159 Tb (ISTD) [He]

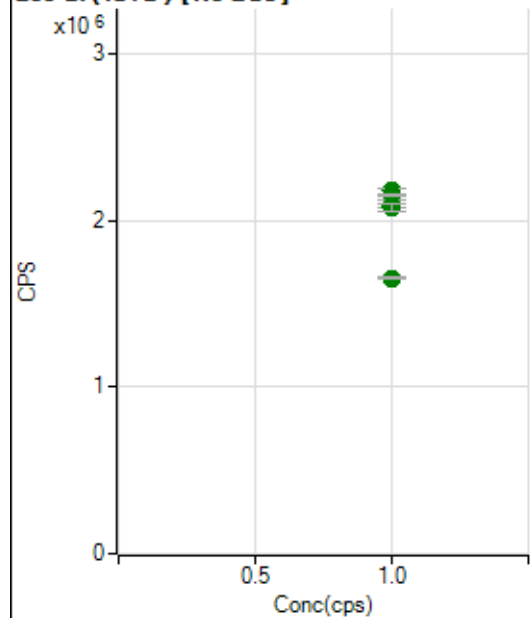
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1899451.45		A	1.5
2	☐	1.000					
3	☐	1.000		1936880.91		A	0.4
4	☐	1.000		1942215.23		A	1.3
5	☐	1.000		1952156.41		A	1.2
6	☐	1.000		1970379.36		A	0.4
7	☐	1.000		2024137.99		A	7.9
8	☐	1.000		2023569.75		A	0.6
9	☐	1.000		1809323.39		A	1.9

165 Ho (ISTD) [No Gas]

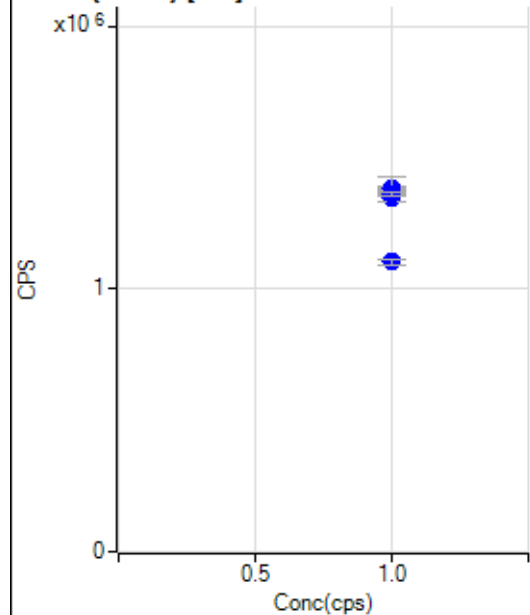
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3508745.43		A	1.7
2	☐	1.000					
3	☐	1.000		3568257.94		A	1.3
4	☐	1.000		3683585.59		A	0.7
5	☐	1.000		3630482.28		A	1.2
6	☐	1.000		3661206.12		A	1.0
7	☐	1.000		3722874.26		A	0.4
8	☐	1.000		3698193.92		A	2.2
9	☐	1.000		3318830.61		A	0.9

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1864691.10		A	0.7
2	☐	1.000					
3	☐	1.000		1892447.71		A	0.4
4	☐	1.000		1905095.49		A	1.8
5	☐	1.000		1904193.55		A	0.9
6	☐	1.000		1945389.83		A	1.2
7	☐	1.000		1987209.34		A	7.5
8	☐	1.000		1976866.43		A	0.2
9	☐	1.000		1780594.00		A	1.4

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2090711.36		A	1.4
2	☐	1.000					
3	☐	1.000		2127961.62		A	0.2
4	☐	1.000		2156125.14		A	0.4
5	☐	1.000		2155005.45		A	0.7
6	☐	1.000		2179980.66		A	1.3
7	☐	1.000		2155832.36		A	0.4
8	☐	1.000		2077140.00		A	2.2
9	☐	1.000		1656968.86		A	0.6

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1344640.13		P	1.3
2	☐	1.000					
3	☐	1.000		1367227.67		P	0.7
4	☐	1.000		1379595.90		P	2.2
5	☐	1.000		1378723.04		P	0.4
6	☐	1.000		1379653.58		P	0.2
7	☐	1.000		1382030.96		P	7.0
8	☐	1.000		1361387.51		P	1.3
9	☐	1.000		1102956.68		P	2.5