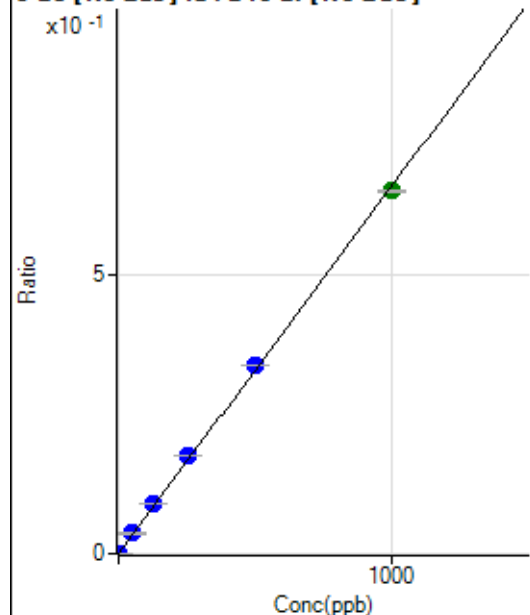


Calibration for 007CALS.d

Batch Folder: D:\ICP-MS Data\P7042219-MS2.b\
 Analysis File: P7042219-MS2.batch.bin
 DA Date-Time: 2019-04-23 00:49:25
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-04-22 14:59:32
2			
3	005CALS.d	S02	2019-04-22 15:08:02
4	006CALS.d	S03	2019-04-22 15:11:57
5	007CALS.d	S04	2019-04-22 15:16:00
6	008CALS.d	S05	2019-04-22 15:19:48
7	009CALS.d	S06	2019-04-22 15:23:33
8	010CALS.d	S07	2019-04-22 15:27:18
9	011CALS.d	S08	2019-04-22 15:31:04

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	115.56	0.0000	P	16.0
2	☐	0.100					
3	☐	1.000	1.024	5755.63	0.0007	P	2.6
4	☐	50.000	55.970	290438.47	0.0369	P	4.0
5	☐	125.000	135.016	681890.91	0.0891	P	0.6
6	☐	250.000	265.394	1250484.15	0.1751	P	0.2
7	☐	500.000	512.737	2336949.83	0.3383	P	0.3
8	☐	1000.000	988.232	4574680.80	0.6520	A	0.6
9	☐			440.01	0.0001	P	11.7

$$y = 6.5975\text{E-}004 * x + 1.3451\text{E-}005$$

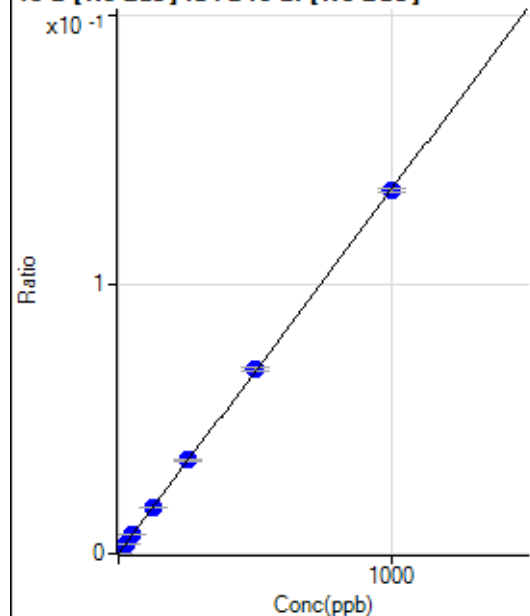
$$R = 0.9997$$

$$DL = 0.009799$$

$$BEC = 0.02039$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	683.38	0.0001	P	18.7
2	☐	2.500					
3	☐	25.000	23.866	27648.49	0.0033	P	1.8
4	☐	50.000	52.354	56333.73	0.0072	P	3.7
5	☐	125.000	127.015	132167.73	0.0173	P	1.3
6	☐	250.000	256.201	248131.71	0.0347	P	2.2
7	☐	500.000	504.277	471956.06	0.0683	P	1.9
8	☐	1000.000	995.970	946261.23	0.1349	P	0.9
9	☐			37124.76	0.0056	P	8.1

$$y = 1.3532\text{E-}004 * x + 7.9551\text{E-}005$$

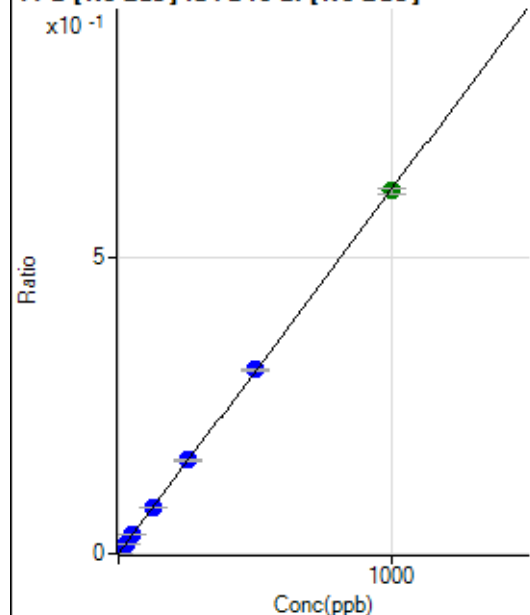
$$R = 1.0000$$

$$DL = 0.3301$$

$$BEC = 0.5879$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3194.91	0.0004	P	7.9
2	☐	2.500					
3	☐	25.000	23.873	125903.88	0.0151	P	0.8
4	☐	50.000	52.428	256647.94	0.0326	P	4.8
5	☐	125.000	126.365	598258.63	0.0782	P	1.9
6	☐	250.000	256.160	1128704.70	0.1581	P	1.9
7	☐	500.000	504.118	2146416.65	0.3107	P	1.8
8	☐	1000.000	996.137	4305519.11	0.6136	A	1.5
9	☐			169577.89	0.0256	P	7.4

$$y = 6.1561\text{E-}004 * x + 3.7211\text{E-}004$$

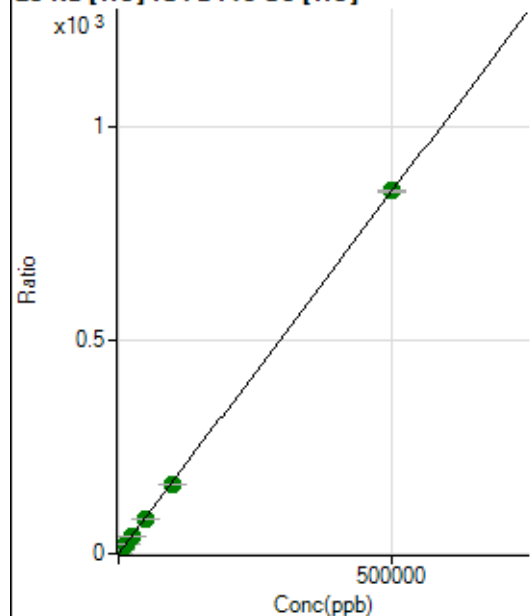
$$R = 1.0000$$

$$DL = 0.1433$$

$$BEC = 0.6045$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	6682.32	0.0109	P	7.5
2	☐	50.000					
3	☐	500.000	464.685	494648.03	0.7993	P	0.3
4	☐	5000.000	4851.112	4871442.56	8.2422	A	0.5
5	☐	12500.000	12171.047	11308766.22	20.6626	A	1.3
6	☐	25000.000	24487.556	21184801.69	41.5612	A	0.7
7	☐	50000.000	47644.616	41734102.67	80.8541	A	0.3
8	☐	100000.00	94607.541	84634842.17	160.5406	A	0.5
9	☐	500000.00	501349.40	443843398.8	850.6987	A	0.5

$$y = 0.0017 * x + 0.0109$$

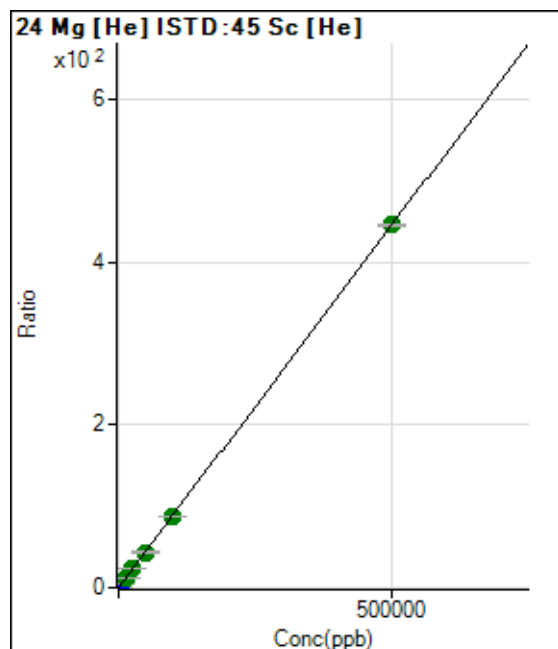
$$R = 0.9999$$

$$DL = 1.43$$

$$BEC = 6.396$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	247.23	0.0004	P	15.8
2	☐	50.000					
3	☐	500.000	491.501	271131.05	0.4381	P	1.0
4	☐	5000.000	5050.713	2658948.28	4.4986	P	0.7
5	☐	12500.000	12587.457	6136014.20	11.2109	A	0.9
6	☐	25000.000	25451.641	11554334.89	22.6678	A	0.7
7	☐	50000.000	49033.678	22540873.59	43.6702	A	0.4
8	☐	100000.00	96957.285	45523596.85	86.3514	A	0.2
9	☐	500000.00	500679.90	232651355.2	445.9102	A	0.8

$$y = 8.9061\text{E-}004 * x + 4.0169\text{E-}004$$

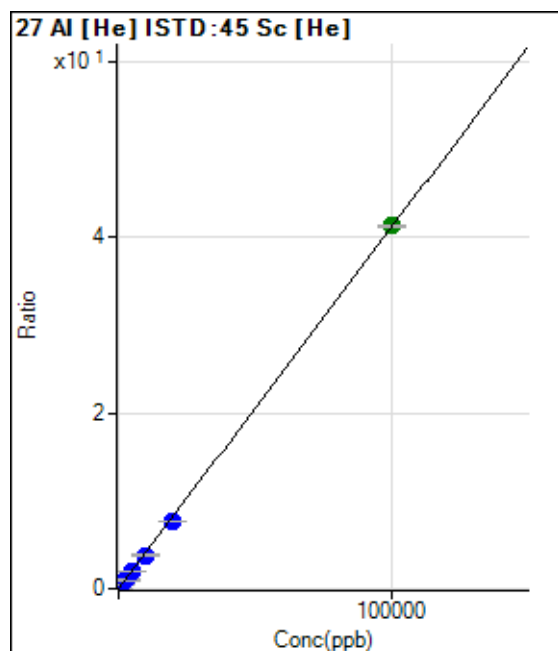
$$R = 1.0000$$

$$DL = 0.214$$

$$BEC = 0.451$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	255.57	0.0004	P	29.6
2	☐	2.000					
3	☐	20.000	18.273	4906.56	0.0079	P	1.9
4	☐	1000.000	957.395	232941.86	0.3941	P	0.6
5	☐	2500.000	2404.671	541426.22	0.9892	P	1.1
6	☐	5000.000	4814.605	1009367.50	1.9802	P	0.5
7	☐	10000.000	9295.897	1973327.17	3.8230	P	0.8
8	☐	20000.000	18486.921	4007870.97	7.6024	P	0.6
9	☐	100000.00	100385.10	21537459.51	41.2797	A	0.4

$$y = 4.1121\text{E-}004 * x + 4.1482\text{E-}004$$

$$R = 0.9999$$

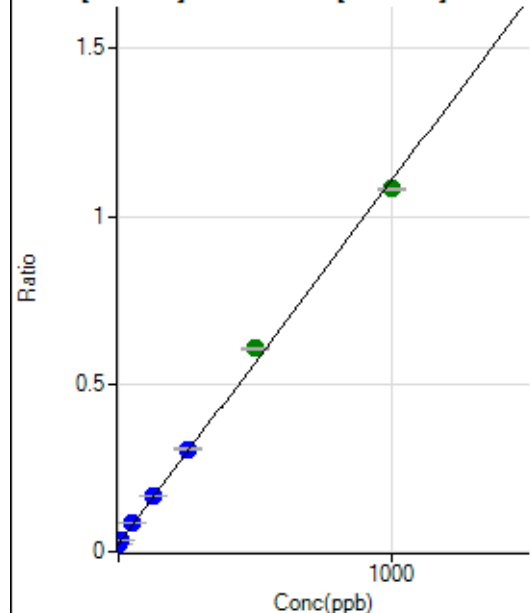
$$DL = 0.8943$$

$$BEC = 1.009$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	301008.08	0.0236	P	0.7
2	☐	1.000					
3	☐	10.000	9.310	430885.94	0.0337	P	0.7
4	☐	50.000	56.624	1019975.32	0.0849	P	4.0
5	☐	125.000	131.557	1950774.72	0.1660	P	1.2
6	☐	250.000	259.875	3319440.68	0.3050	P	1.5
7	☐	500.000	538.144	6433066.42	0.6063	A	1.0
8	☐	1000.000	977.315	11898993.75	1.0819	A	0.6
9	☐			906386.42	0.0874	P	1.5

$$y = 0.0011 * x + 0.0236$$

$$R = 0.9988$$

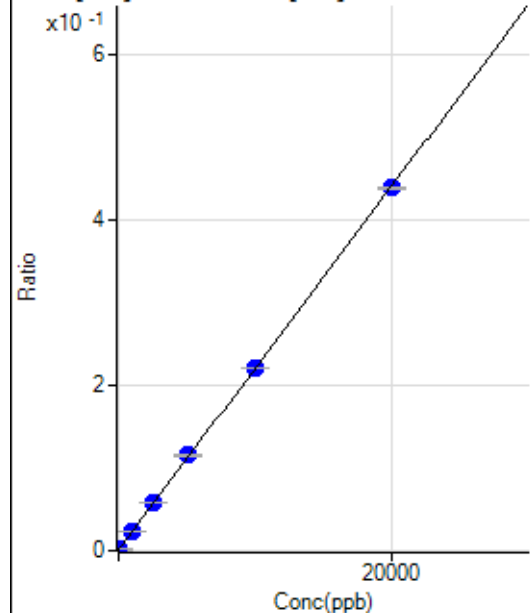
$$DL = 0.4256$$

$$BEC = 21.77$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-26.528	202.79	0.0003	P	39.2
2	☐	0.000					
3	☐	0.000	26.528	925.07	0.0015	P	9.3
4	☐	1000.000	1046.302	14135.04	0.0239	P	0.9
5	☐	2500.000	2565.120	31364.55	0.0573	P	0.4
6	☐	5000.000	5221.763	58975.87	0.1157	P	1.5
7	☐	10000.000	10030.577	114291.00	0.2214	P	0.6
8	☐	20000.000	19918.816	231329.03	0.4388	P	0.4
9	☐			261.13	0.0005	P	22.9

$$y = 2.1984E-005 * x + 9.1183E-004$$

$$R = 0.9999$$

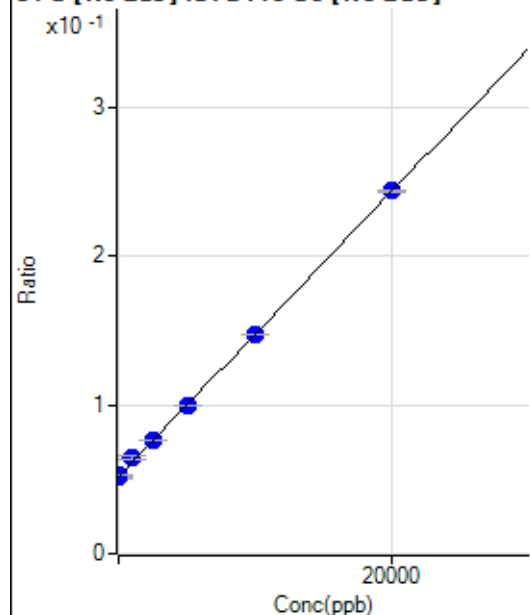
$$DL = 18.26$$

$$BEC = 41.48$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-72.533	652620.01	0.0511	P	0.6
2	☐	0.000					
3	☐	0.000	72.533	672146.26	0.0525	P	0.4
4	☐	1000.000	1361.199	778926.95	0.0648	P	4.5
5	☐	2500.000	2569.087	897698.91	0.0764	P	0.1
6	☐	5000.000	4990.846	1083940.31	0.0996	P	0.2
7	☐	10000.000	9899.157	1555118.46	0.1466	P	0.1
8	☐	20000.000	20026.014	2678261.45	0.2435	P	0.6
9	☐			504983.22	0.0487	P	2.4

$$y = 9.5734\text{E-}006 * x + 0.0518$$

$$R = 0.9998$$

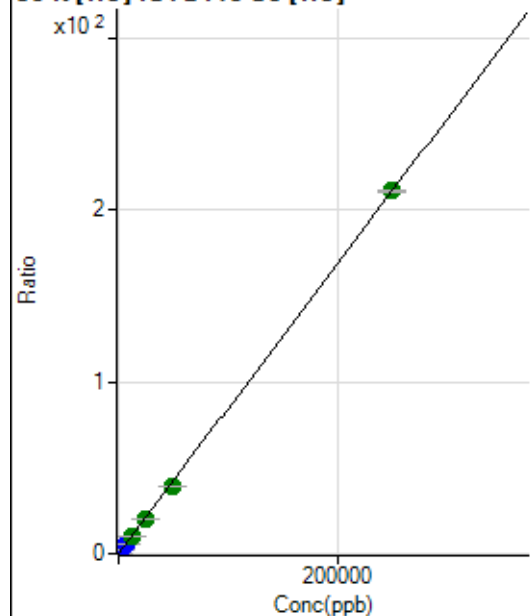
$$DL = 80.25$$

$$BEC = 5412$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	25133.19	0.0408	P	2.6
2	☐	50.000					
3	☐	500.000	466.913	268769.81	0.4343	P	0.5
4	☐	2500.000	2452.536	1245725.14	2.1078	P	0.7
5	☐	6250.000	6088.368	2830820.92	5.1720	P	0.8
6	☐	12500.000	12056.718	5200254.07	10.2021	A	0.9
7	☐	25000.000	23547.048	10264290.33	19.8860	A	0.5
8	☐	50000.000	47019.888	20912901.33	39.6686	A	0.3
9	☐	250000.00	250768.06	110287662.1	211.3850	A	0.3

$$y = 8.4279\text{E-}004 * x + 0.0408$$

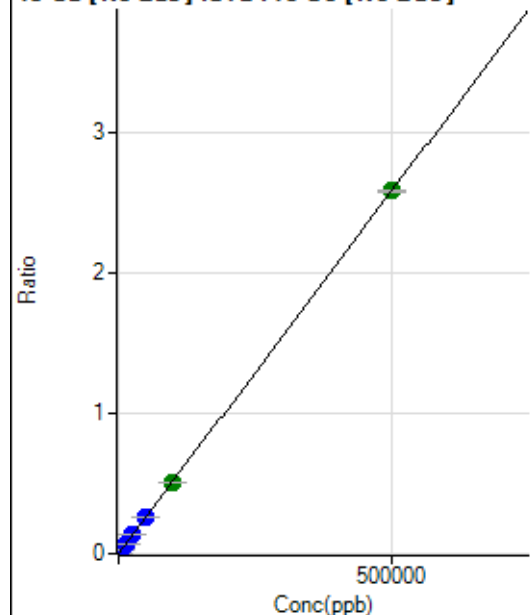
$$R = 0.9999$$

$$DL = 3.846$$

$$BEC = 48.42$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	236.12	0.0000	P	26.6
2	☐	50.000					
3	☐	500.000	454.412	30259.63	0.0024	P	1.5
4	☐	5000.000	5224.474	324171.19	0.0270	P	3.9
5	☐	12500.000	12561.912	761901.46	0.0648	P	0.3
6	☐	25000.000	25285.215	1420503.65	0.1305	P	0.3
7	☐	50000.000	49688.978	2720802.47	0.2564	P	0.0
8	☐	100000.00	97656.276	5542943.79	0.5040	A	0.6
9	☐	500000.00	500481.83	26792812.06	2.5828	A	0.2

$$y = 5.1606\text{E-}006 * x + 1.8513\text{E-}005$$

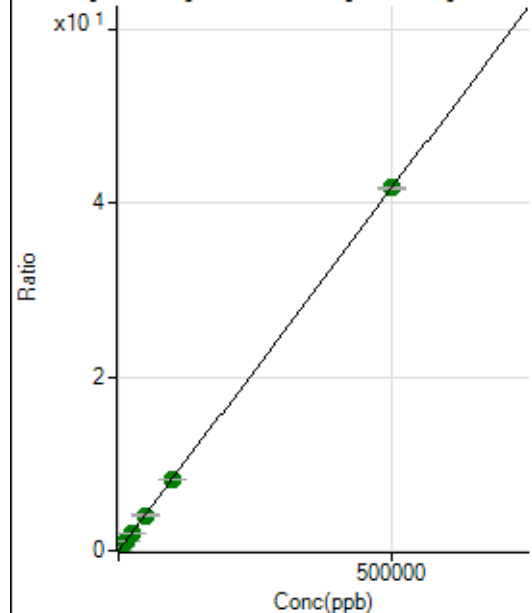
$$R = 1.0000$$

$$DL = 2.86$$

$$BEC = 3.587$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	8639.10	0.0007	P	0.8
2	☐	50.000					
3	☐	500.000	464.160	503955.35	0.0394	P	1.2
4	☐	5000.000	5139.310	5154586.27	0.4290	A	4.2
5	☐	12500.000	12385.109	12137212.08	1.0330	A	0.4
6	☐	25000.000	24909.732	22605850.85	2.0769	A	0.2
7	☐	50000.000	49024.171	43360045.76	4.0868	A	0.5
8	☐	100000.00	97365.117	89259949.91	8.1160	A	0.3
9	☐	500000.00	500630.58	432862037.4	41.7279	A	0.2

$$y = 8.3349\text{E-}005 * x + 6.7662\text{E-}004$$

$$R = 1.0000$$

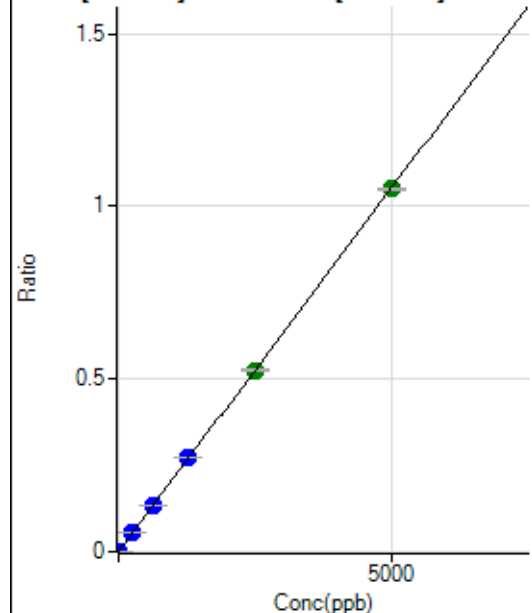
$$DL = 0.2068$$

$$BEC = 8.118$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	158.34	0.0000	P	22.5
2	☐	0.500					
3	☐	5.000	5.124	13973.85	0.0011	P	2.6
4	☐	250.000	267.621	677280.55	0.0564	P	4.4
5	☐	625.000	643.231	1591808.75	0.1355	P	0.6
6	☐	1250.000	1296.807	2972719.62	0.2731	P	1.1
7	☐	2500.000	2494.622	5574384.63	0.5254	A	0.4
8	☐	5000.000	4987.827	11553212.76	1.0505	A	0.5
9	☐			3292.19	0.0003	P	4.6

$$y = 2.1061\text{E-}004 * x + 1.2393\text{E-}005$$

$$R = 0.9999$$

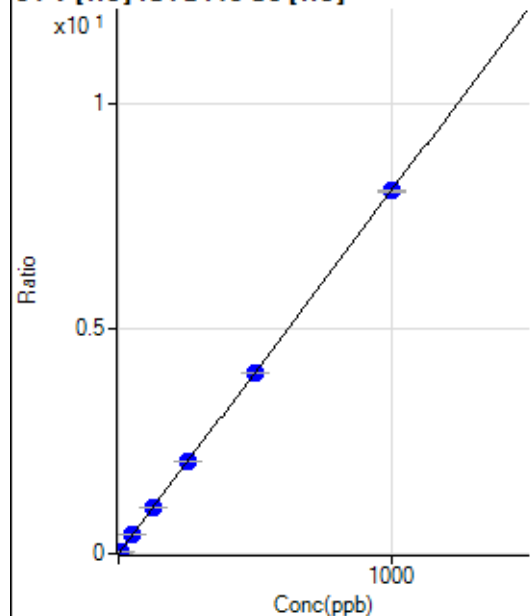
$$DL = 0.03966$$

$$BEC = 0.05884$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	8.89	0.0000	P	21.4
2	☐	0.500					
3	☐	5.000	5.097	25408.69	0.0411	P	1.5
4	☐	50.000	51.131	243347.23	0.4118	P	0.8
5	☐	125.000	127.193	560604.87	1.0243	P	1.2
6	☐	250.000	254.665	1045325.23	2.0508	P	0.1
7	☐	500.000	498.339	2071388.69	4.0130	P	0.1
8	☐	1000.000	999.333	4242507.85	8.0475	P	0.5
9	☐			701.14	0.0013	P	7.6

$$y = 0.0081 * x + 1.4429\text{E-}005$$

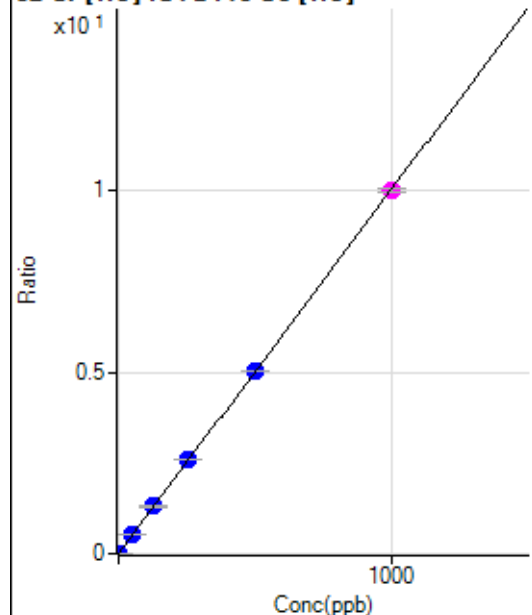
$$R = 1.0000$$

$$DL = 0.001151$$

$$BEC = 0.001792$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1533.44	0.0025	P	5.7
2	☐	0.200					
3	☐	2.000	2.005	13991.25	0.0226	P	2.2
4	☐	50.000	51.818	308815.71	0.5225	P	0.4
5	☐	125.000	129.522	712751.28	1.3023	P	1.4
6	☐	250.000	259.165	1326972.60	2.6033	P	0.4
7	☐	500.000	502.489	2604145.17	5.0452	P	0.3
8	☐	1000.000	995.808	5269671.73	9.9959	M	0.9
9	☐			59666.77	0.1144	P	0.2

$$y = 0.0100 * x + 0.0025$$

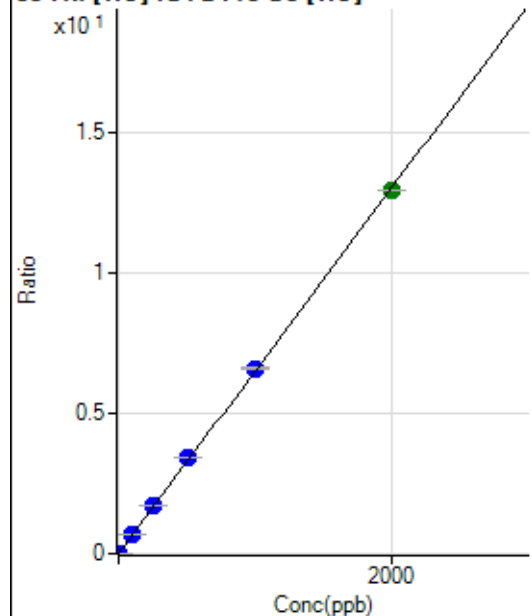
$$R = 0.9999$$

$$DL = 0.04269$$

$$BEC = 0.248$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	73.33	0.0001	P	27.5
2	☐	0.100					
3	☐	1.000	0.955	3922.82	0.0063	P	4.3
4	☐	100.000	103.873	399823.66	0.6765	P	0.5
5	☐	250.000	259.372	924461.41	1.6890	P	0.9
6	☐	500.000	523.840	1738735.68	3.4112	P	0.3
7	☐	1000.000	1015.027	3411567.10	6.6096	P	0.7
8	☐	2000.000	1985.162	6814848.93	12.9267	A	0.1
9	☐			21453.64	0.0411	P	1.1

$$y = 0.0065 * x + 1.1909E-004$$

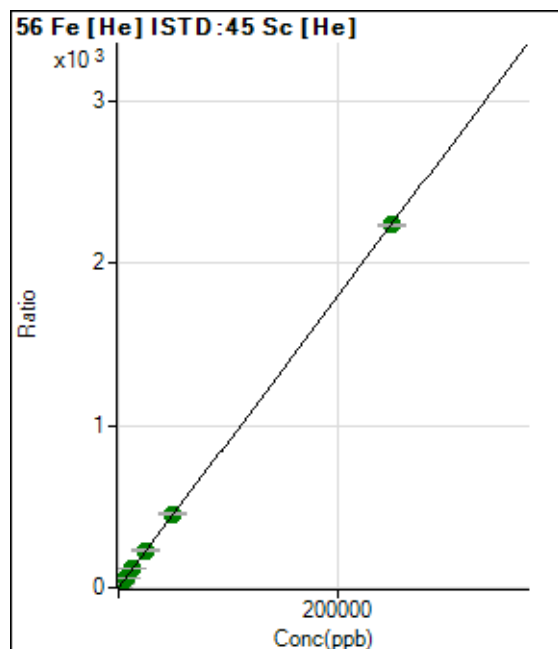
$$R = 0.9999$$

$$DL = 0.01508$$

$$BEC = 0.01829$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	8619.45	0.0140	P	3.6
2	☐	5.000					
3	☐	50.000	52.789	300939.54	0.4863	P	0.3
4	☐	2500.000	2681.540	14188497.42	24.0060	A	0.2
5	☐	6250.000	6641.644	32531391.70	59.4375	A	1.0
6	☐	12500.000	13404.317	61137886.09	119.9439	A	0.3
7	☐	25000.000	25785.615	119088675.8	230.7208	A	0.4
8	☐	50000.000	50931.770	240245586.8	455.7063	A	0.3
9	☐	250000.00	249678.26	1165521418.	2,233.913	A	0.2

$$y = 0.0089 * x + 0.0140$$

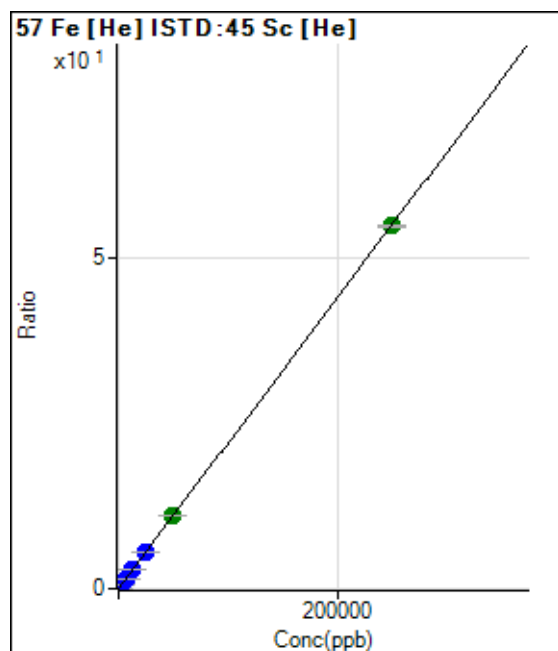
$$R = 1.0000$$

$$DL = 0.1671$$

$$BEC = 1.564$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	203.71	0.0003	P	18.3
2	☐	5.000					
3	☐	50.000	52.730	7385.40	0.0119	P	3.2
4	☐	2500.000	2653.322	345283.28	0.5842	P	0.7
5	☐	6250.000	6636.730	799523.81	1.4608	P	1.2
6	☐	12500.000	13314.522	1493643.39	2.9303	P	0.3
7	☐	25000.000	25741.669	2924111.90	5.6651	P	0.2
8	☐	50000.000	50749.094	5887737.05	11.1682	A	0.6
9	☐	250000.00	249724.08	28672066.84	54.9547	A	0.4

$$y = 2.2006E-004 * x + 3.3078E-004$$

$$R = 1.0000$$

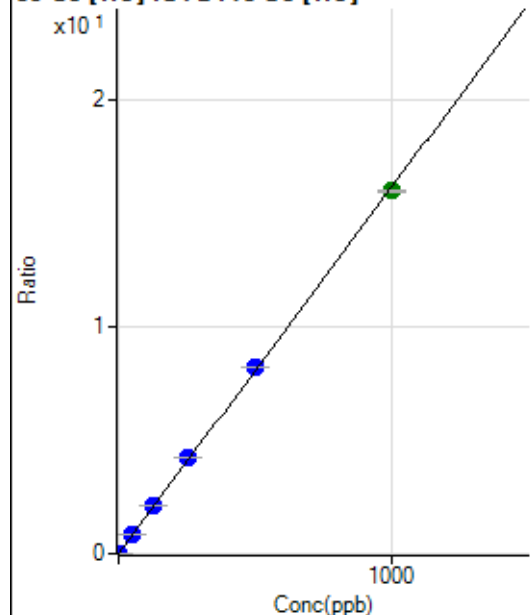
$$DL = 0.825$$

$$BEC = 1.503$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	146.67	0.0002	P	15.5
2	☐	0.100					
3	☐	1.000	1.011	10247.05	0.0166	P	1.6
4	☐	50.000	53.120	507107.12	0.8580	P	0.6
5	☐	125.000	132.045	1167182.78	2.1325	P	0.9
6	☐	250.000	264.269	2175316.32	4.2677	P	0.4
7	☐	500.000	509.988	4250949.21	8.2356	P	0.2
8	☐	1000.000	990.402	8431525.50	15.9934	A	0.3
9	☐			95816.68	0.1836	P	0.2

$$y = 0.0161 * x + 2.3828E-004$$

$$R = 0.9998$$

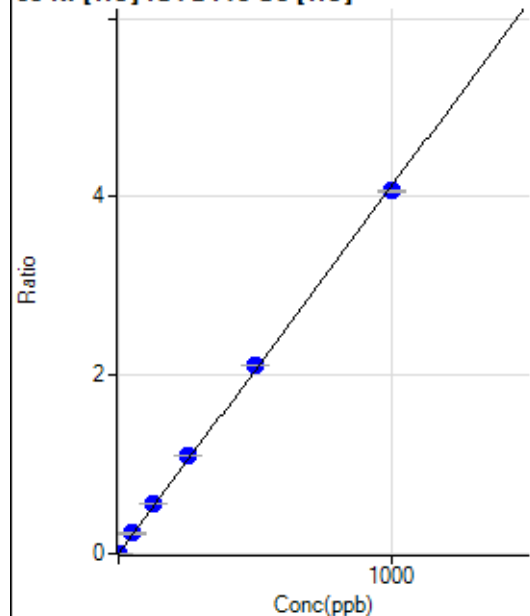
$$DL = 0.00684$$

$$BEC = 0.01476$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	138.89	0.0002	P	3.1
2	☐	0.100					
3	☐	1.000	1.029	2759.19	0.0045	P	1.4
4	☐	50.000	54.957	133825.28	0.2264	P	0.6
5	☐	125.000	135.245	304771.81	0.5569	P	1.1
6	☐	250.000	267.939	562207.31	1.1030	P	0.1
7	☐	500.000	512.613	1089087.73	2.1100	P	0.3
8	☐	1000.000	987.680	2143089.01	4.0652	P	0.9
9	☐			31269.00	0.0599	P	1.5

$$y = 0.0041 * x + 2.2548E-004$$

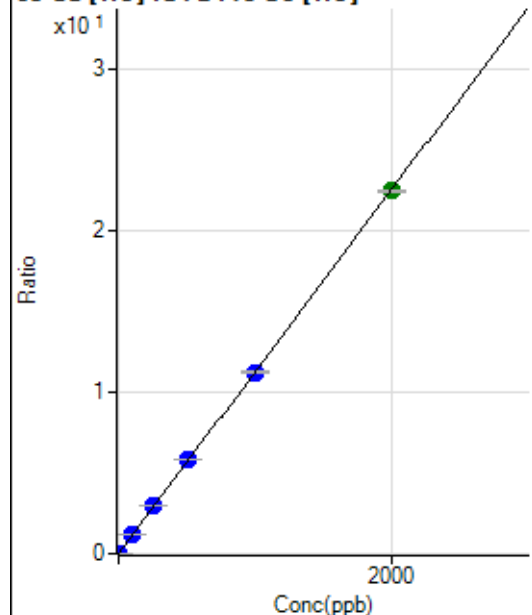
$$R = 0.9997$$

$$DL = 0.005118$$

$$BEC = 0.05479$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1413.42	0.0023	P	5.4
2	☐	0.200					
3	☐	2.000	2.058	15751.97	0.0255	P	0.7
4	☐	100.000	106.627	710637.85	1.2024	P	0.8
5	☐	250.000	262.958	1621086.57	2.9620	P	1.6
6	☐	500.000	522.175	2996956.42	5.8796	P	0.2
7	☐	1000.000	998.259	5800721.30	11.2382	P	0.2
8	☐	2000.000	1993.375	11829314.13	22.4387	A	0.6
9	☐			10835.26	0.0208	P	1.5

$$y = 0.0113 * x + 0.0023$$

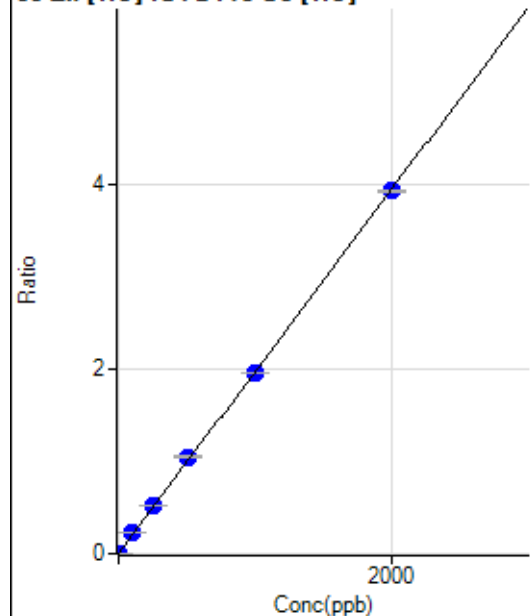
$$R = 0.9999$$

$$DL = 0.03324$$

$$BEC = 0.2039$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1274.52	0.0021	P	7.6
2	☐	0.200					
3	☐	2.000	1.862	3552.72	0.0057	P	3.4
4	☐	100.000	112.228	131995.83	0.2233	P	0.4
5	☐	250.000	266.400	288575.65	0.5273	P	1.4
6	☐	500.000	532.213	535878.15	1.0513	P	0.2
7	☐	1000.000	993.961	1012528.22	1.9616	P	0.2
8	☐	2000.000	1992.305	2071747.38	3.9299	P	0.9
9	☐			17445.05	0.0334	P	1.8

$$y = 0.0020 * x + 0.0021$$

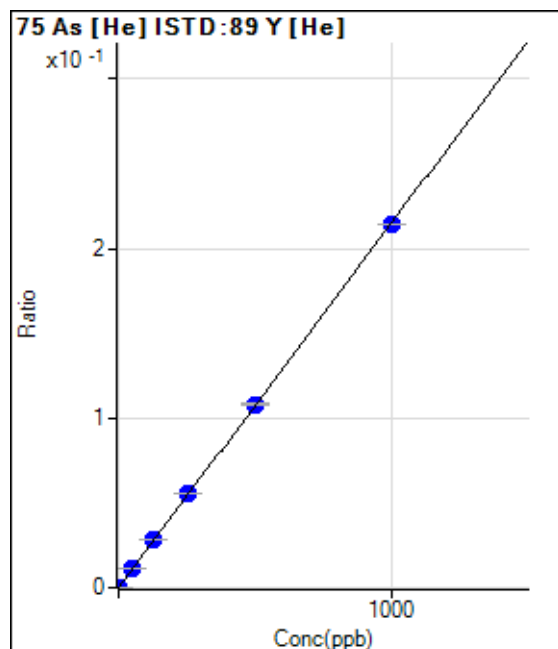
$$R = 0.9998$$

$$DL = 0.2391$$

$$BEC = 1.05$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	8.64	0.0000	P	23.7
2	☐	0.100					
3	☐	1.000	0.986	682.74	0.0002	P	4.8
4	☐	50.000	53.071	35040.94	0.0114	P	1.2
5	☐	125.000	131.992	81455.24	0.0284	P	0.7
6	☐	250.000	260.337	151234.45	0.0560	P	0.4
7	☐	500.000	502.988	295705.17	0.1082	P	0.8
8	☐	1000.000	994.894	594514.39	0.2139	P	0.2
9	☐			748.17	0.0003	P	4.3

$$y = 2.1503\text{E-}004 * x + 2.7416\text{E-}006$$

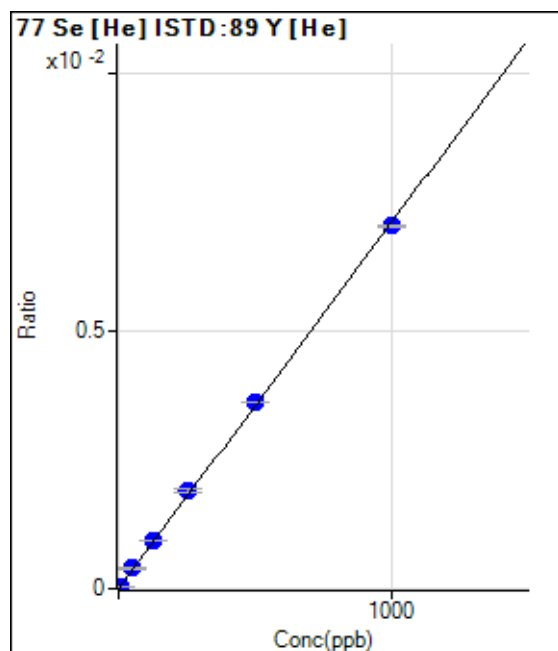
$$R = 0.9999$$

$$DL = 0.009082$$

$$BEC = 0.01275$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	5.164	116.67	0.0000	P	7.4
4	☐	50.000	56.104	1224.52	0.0004	P	6.7
5	☐	125.000	130.964	2670.29	0.0009	P	3.0
6	☐	250.000	268.178	5147.65	0.0019	P	4.2
7	☐	500.000	507.546	9860.18	0.0036	P	0.3
8	☐	1000.000	990.631	19560.06	0.0070	P	0.6
9	☐			3.33	0.0000	P	100.4

$$y = 7.1053\text{E-}006 * x + 0.0000\text{E+}000$$

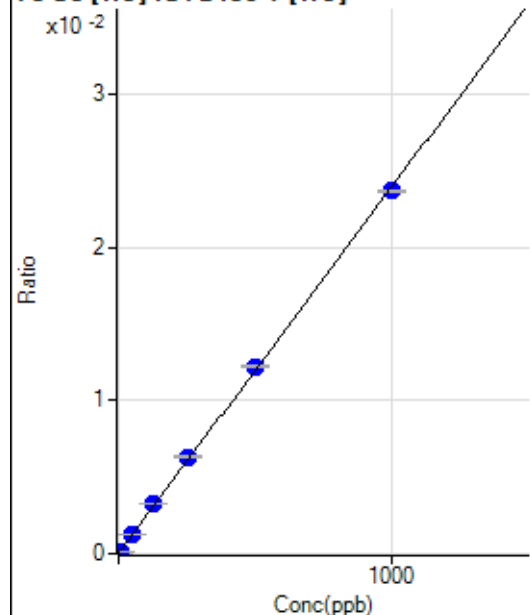
$$R = 0.9998$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	96.92	0.0000	P	10.1
2	☐	0.500					
3	☐	5.000	5.492	514.83	0.0002	P	3.5
4	☐	50.000	52.462	3939.46	0.0013	P	1.8
5	☐	125.000	134.325	9291.93	0.0032	P	1.4
6	☐	250.000	263.551	17082.38	0.0063	P	1.0
7	☐	500.000	510.559	33411.26	0.0122	P	1.5
8	☐	1000.000	990.041	65774.67	0.0237	P	0.5
9	☐			90.12	0.0000	P	19.2

$$y = 2.3876E-005 * x + 3.0797E-005$$

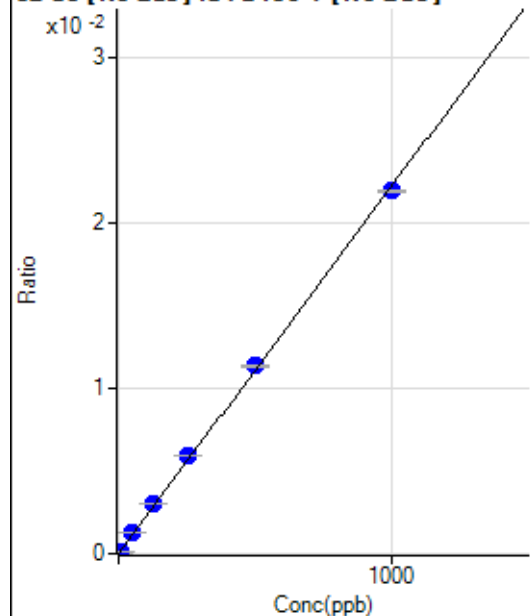
$$R = 0.9998$$

$$DL = 0.3915$$

$$BEC = 1.29$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	-0.13	0.0000	P	-25140.
2	☐	0.500					
3	☐	5.000	5.639	2462.50	0.0001	P	5.4
4	☐	50.000	56.821	23426.11	0.0013	P	3.8
5	☐	125.000	135.990	55421.78	0.0030	P	0.5
6	☐	250.000	267.590	103556.21	0.0060	P	0.2
7	☐	500.000	512.142	194858.93	0.0114	P	0.8
8	☐	1000.000	987.813	386265.45	0.0220	P	0.5
9	☐			236.67	0.0000	P	17.6

$$y = 2.2242E-005 * x - 7.8835E-009$$

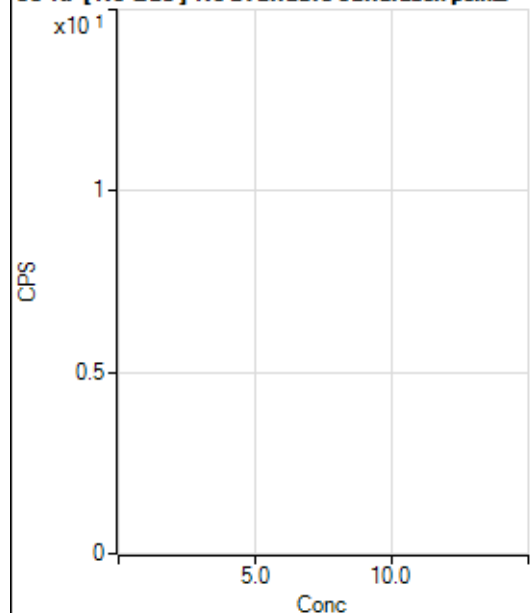
$$R = 0.9997$$

$$DL = 0.2673$$

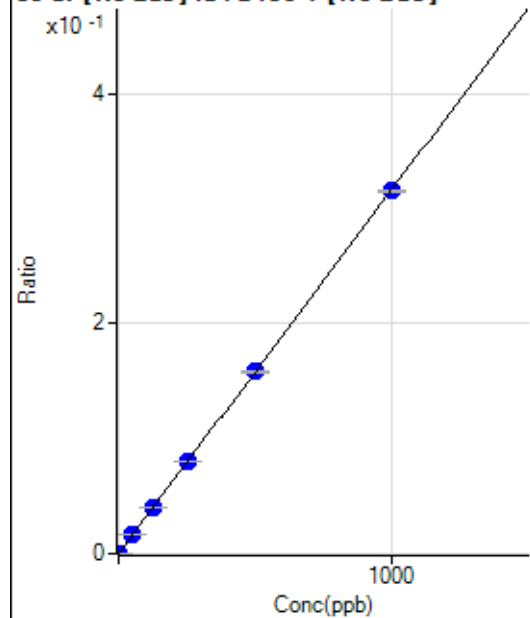
$$BEC = -0.0003544$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			643.36		P	4.1
2	☐						
3	☐			574.47		P	3.9
4	☐			585.58		P	1.3
5	☐			601.14		P	9.3
6	☐			493.35		P	10.6
7	☐			521.13		P	11.6
8	☐			561.13		P	7.9
9	☐			574.47		P	3.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	958.40	0.0000	P	10.5
2	☐	0.100					
3	☐	1.000	0.944	6829.67	0.0003	P	5.4
4	☐	50.000	52.648	309669.95	0.0167	P	3.7
5	☐	125.000	127.853	742106.19	0.0405	P	0.9
6	☐	250.000	255.187	1405703.28	0.0808	P	0.3
7	☐	500.000	501.267	2713889.99	0.1587	P	1.2
8	☐	1000.000	997.581	5549945.05	0.3157	P	0.6
9	☐			23019.31	0.0014	P	0.7

$$y = 3.1640\text{E-}004 * x + 4.8963\text{E-}005$$

$$R = 1.0000$$

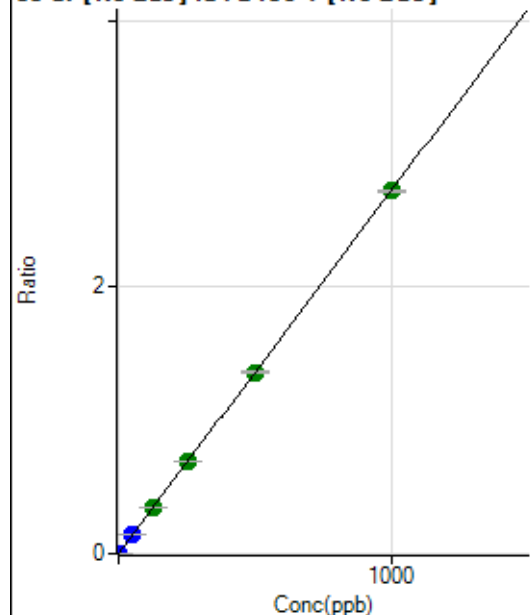
$$DL = 0.04856$$

$$BEC = 0.1547$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	211.12	0.0000	P	27.8
2	☐	0.100					
3	☐	1.000	0.957	51423.87	0.0026	P	1.3
4	☐	50.000	53.318	2692776.69	0.1453	P	3.9
5	☐	125.000	127.081	6344462.90	0.3463	A	0.5
6	☐	250.000	253.972	12040069.80	0.6920	A	0.2
7	☐	500.000	500.065	23307475.17	1.3625	A	0.3
8	☐	1000.000	998.549	47831334.06	2.7207	A	0.4
9	☐			191510.37	0.0119	P	0.5

$$y = 0.0027 * x + 1.0783E-005$$

$$R = 1.0000$$

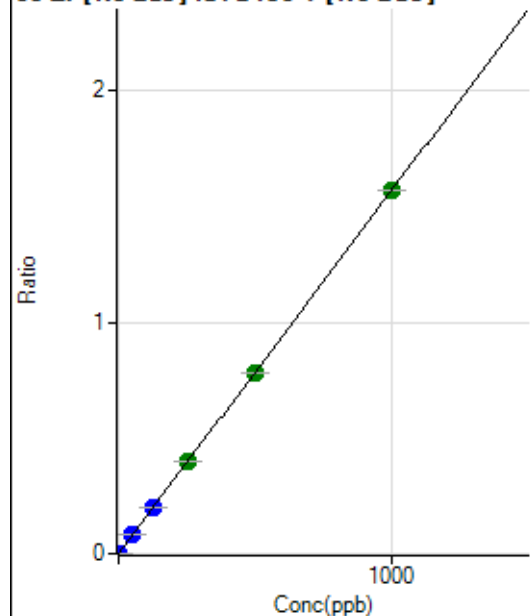
$$DL = 0.003297$$

$$BEC = 0.003958$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1519.60	0.0001	P	5.8
2	☐	0.100					
3	☐	1.000	0.918	29790.28	0.0015	P	1.4
4	☐	50.000	52.676	1532160.07	0.0827	P	3.3
5	☐	125.000	128.498	3692025.78	0.2015	P	1.2
6	☐	250.000	253.366	6911907.97	0.3973	A	0.1
7	☐	500.000	498.423	13366872.17	0.7814	A	0.5
8	☐	1000.000	999.376	27543604.43	1.5667	A	0.1
9	☐			8322.25	0.0005	P	3.0

$$y = 0.0016 * x + 7.7629E-005$$

$$R = 1.0000$$

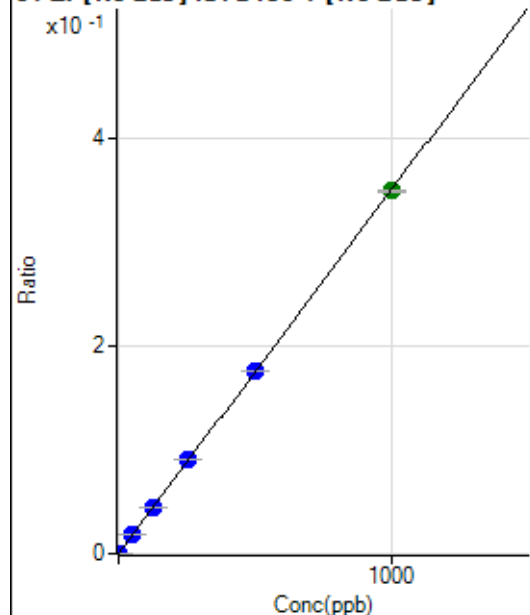
$$DL = 0.008585$$

$$BEC = 0.04952$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	302.80	0.0000	P	6.5
2	☐	0.100					
3	☐	1.000	0.889	6418.38	0.0003	P	2.9
4	☐	50.000	52.942	343786.00	0.0185	P	4.1
5	☐	125.000	128.465	824274.17	0.0450	P	0.9
6	☐	250.000	256.760	1564191.11	0.0899	P	0.2
7	☐	500.000	502.278	3008069.47	0.1758	P	0.8
8	☐	1000.000	996.591	6133700.70	0.3489	A	0.6
9	☐			1947.45	0.0001	P	8.9

$$y = 3.5007\text{E-}004 * x + 1.5468\text{E-}005$$

$$R = 1.0000$$

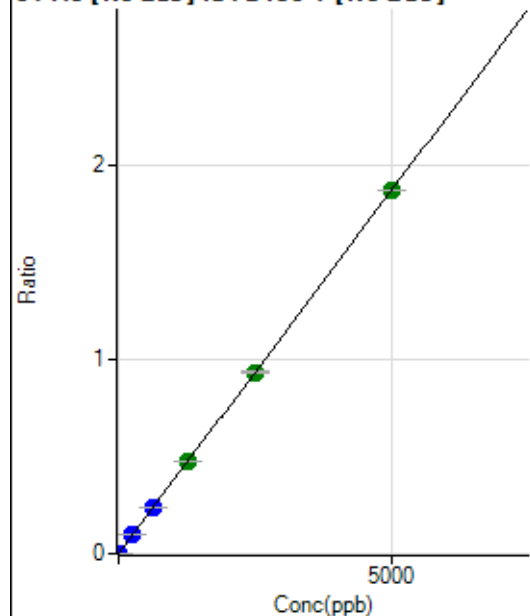
$$DL = 0.008678$$

$$BEC = 0.04418$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	538.92	0.0000	P	4.3
2	☐	0.500					
3	☐	5.000	4.908	36525.60	0.0019	P	1.7
4	☐	250.000	264.375	1829831.16	0.0987	P	3.7
5	☐	625.000	646.095	4419845.80	0.2412	P	0.6
6	☐	1250.000	1273.824	8274376.40	0.4756	A	0.4
7	☐	2500.000	2492.890	15919237.16	0.9307	A	1.3
8	☐	5000.000	4994.244	32777975.39	1.8644	A	0.1
9	☐			15928.89	0.0010	P	1.1

$$y = 3.7331\text{E-}004 * x + 2.7537\text{E-}005$$

$$R = 1.0000$$

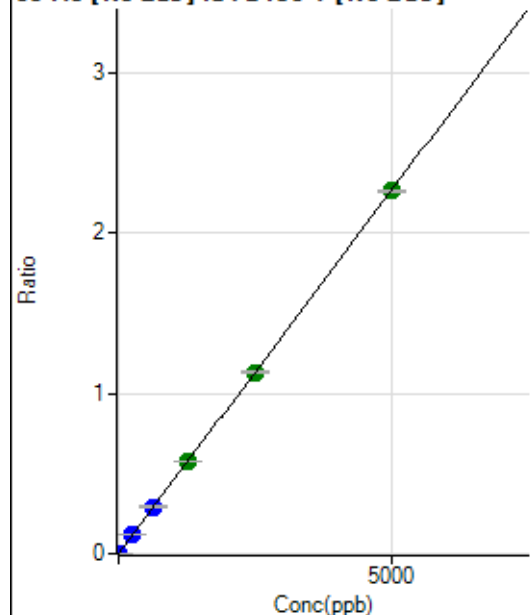
$$DL = 0.009459$$

$$BEC = 0.07376$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	63.90	0.0000	P	52.4
2	☐	0.500					
3	☐	5.000	5.124	45634.97	0.0023	P	2.3
4	☐	250.000	265.079	2224958.38	0.1200	P	3.6
5	☐	625.000	646.206	5361132.80	0.2926	P	1.5
6	☐	1250.000	1272.371	10024618.28	0.5762	A	0.3
7	☐	2500.000	2496.245	19335923.52	1.1303	A	0.6
8	☐	5000.000	4992.880	39747576.58	2.2609	A	0.5
9	☐			23222.46	0.0014	P	3.2

$$y = 4.5282\text{E-}004 * x + 3.2602\text{E-}006$$

$$R = 1.0000$$

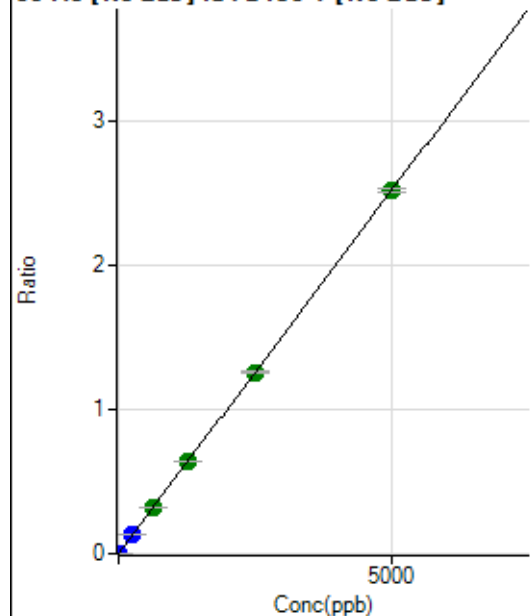
$$DL = 0.01132$$

$$BEC = 0.0072$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	161.12	0.0000	P	21.5
2	☐	0.500					
3	☐	5.000	5.054	50100.06	0.0026	P	0.9
4	☐	250.000	265.533	2476513.79	0.1336	P	3.9
5	☐	625.000	630.869	5816421.48	0.3174	A	0.6
6	☐	1250.000	1267.732	11098863.62	0.6379	A	0.6
7	☐	2500.000	2495.572	21479928.95	1.2557	A	0.9
8	☐	5000.000	4996.271	44197193.35	2.5140	A	0.9
9	☐			36077.31	0.0022	P	3.8

$$y = 5.0317\text{E-}004 * x + 8.2320\text{E-}006$$

$$R = 1.0000$$

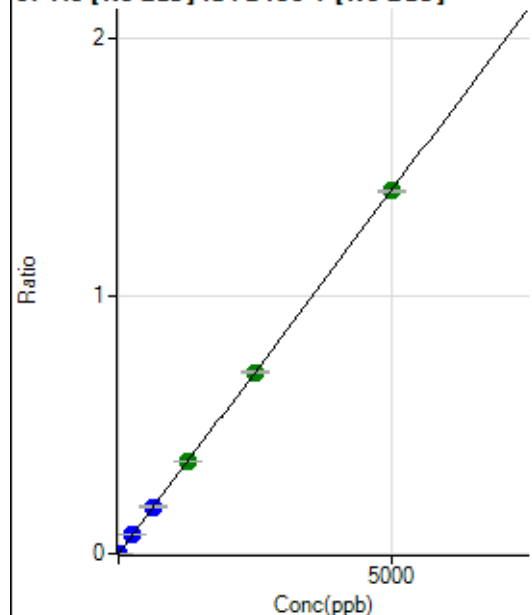
$$DL = 0.01056$$

$$BEC = 0.01636$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	58.34	0.0000	P	79.2
2	☐	0.500					
3	☐	5.000	5.005	27736.38	0.0014	P	0.7
4	☐	250.000	264.230	1379142.36	0.0744	P	3.8
5	☐	625.000	646.721	3336601.42	0.1821	P	1.4
6	☐	1250.000	1268.751	6216157.69	0.3573	A	0.8
7	☐	2500.000	2499.808	12041416.94	0.7039	A	0.4
8	☐	5000.000	4991.981	24712850.90	1.4057	A	0.8
9	☐			13226.17	0.0008	P	4.7

$$y = 2.8159\text{E-}004 * x + 2.9776\text{E-}006$$

$$R = 1.0000$$

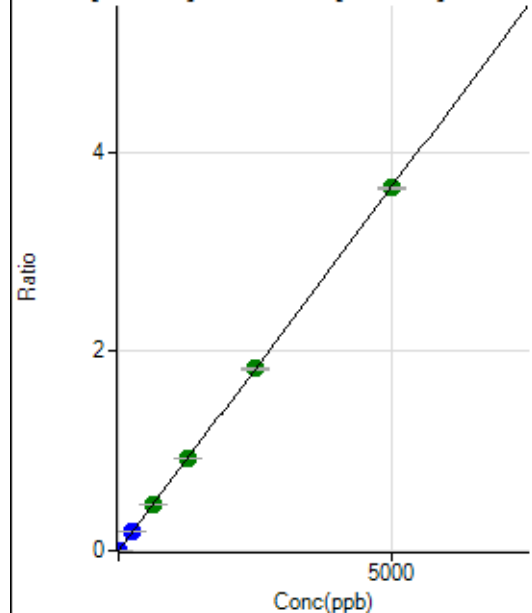
$$DL = 0.02514$$

$$BEC = 0.01057$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	77.78	0.0000	P	22.6
2	☐	0.500					
3	☐	5.000	5.081	72833.98	0.0037	P	0.2
4	☐	250.000	264.527	3575209.50	0.1929	P	3.7
5	☐	625.000	633.009	8457120.68	0.4616	A	0.8
6	☐	1250.000	1273.164	16152441.68	0.9283	A	0.5
7	☐	2500.000	2506.601	31264539.24	1.8277	A	1.0
8	☐	5000.000	4989.181	63956954.21	3.6379	A	0.6
9	☐			33479.23	0.0021	P	1.3

$$y = 7.2916\text{E-}004 * x + 3.9761\text{E-}006$$

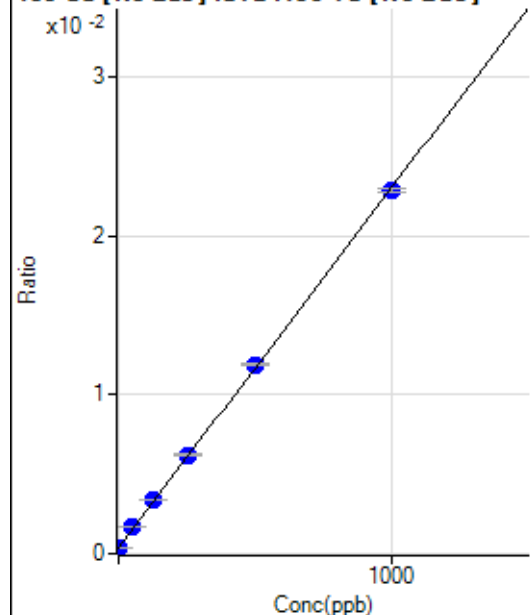
$$R = 1.0000$$

$$DL = 0.003701$$

$$BEC = 0.005453$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	9534.18	0.0004	P	2.4
2	☐	0.100					
3	☐	1.000	1.698	10515.40	0.0004	P	2.5
4	☐	50.000	57.960	41756.92	0.0017	P	2.0
5	☐	125.000	134.444	86329.70	0.0034	P	1.1
6	☐	250.000	258.726	153956.94	0.0062	P	0.6
7	☐	500.000	508.637	291833.40	0.0119	P	0.9
8	☐	1000.000	991.921	573770.48	0.0229	P	1.1
9	☐			8316.70	0.0004	P	4.1

$$y = 2.2682\text{E-}005 * x + 3.6928\text{E-}004$$

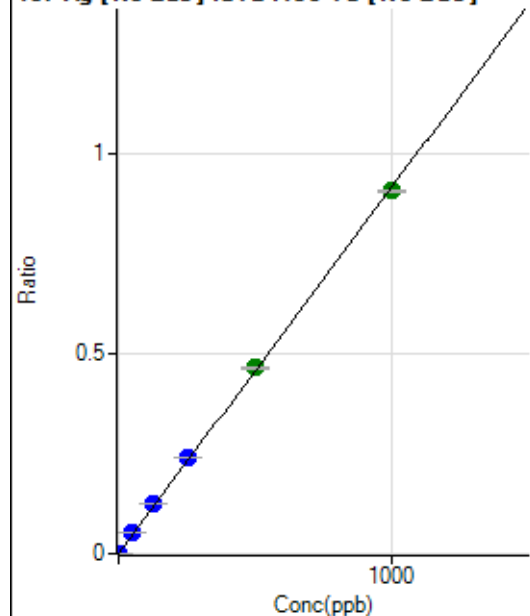
$$R = 0.9999$$

$$DL = 1.191$$

$$BEC = 16.28$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	261.12	0.0000	P	5.9
2	☐	0.100					
3	☐	1.000	1.127	26870.86	0.0010	P	2.6
4	☐	50.000	58.011	1317779.02	0.0532	P	2.7
5	☐	125.000	136.046	3147124.07	0.1246	P	1.0
6	☐	250.000	263.756	5963701.91	0.2416	P	0.5
7	☐	500.000	507.327	11391620.57	0.4648	A	0.2
8	☐	1000.000	991.116	22779310.06	0.9079	A	0.2
9	☐			2489.22	0.0001	P	4.2

$$y = 9.1606\text{E-}004 * x + 1.0110\text{E-}005$$

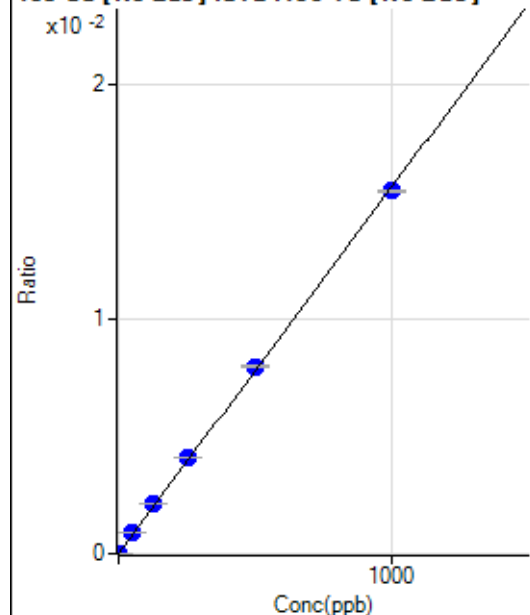
$$R = 0.9998$$

$$DL = 0.00196$$

$$BEC = 0.01104$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	29.17	0.0000	P	28.0
2	☐	0.100					
3	☐	1.000	1.010	436.13	0.0000	P	4.7
4	☐	50.000	56.584	21949.20	0.0009	P	3.9
5	☐	125.000	134.515	53118.82	0.0021	P	0.8
6	☐	250.000	263.392	101639.23	0.0041	P	0.4
7	☐	500.000	509.495	195226.13	0.0080	P	1.1
8	☐	1000.000	990.386	388419.51	0.0155	P	0.5
9	☐			72.23	0.0000	P	21.9

$$y = 1.5630E-005 * x + 1.1285E-006$$

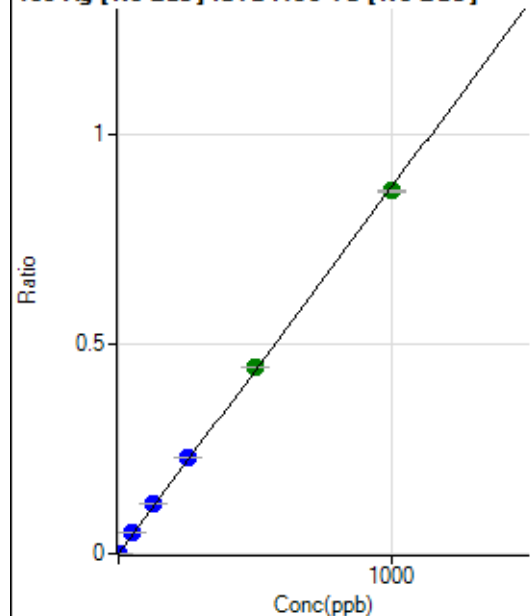
$$R = 0.9998$$

$$DL = 0.06058$$

$$BEC = 0.0722$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	150.01	0.0000	P	13.9
2	☐	0.100					
3	☐	1.000	1.098	24925.56	0.0010	P	1.4
4	☐	50.000	58.029	1258705.88	0.0508	P	3.6
5	☐	125.000	136.272	3010917.36	0.1192	P	1.3
6	☐	250.000	264.035	5702218.40	0.2310	P	0.6
7	☐	500.000	509.294	10922958.75	0.4456	A	0.2
8	☐	1000.000	990.034	21734783.30	0.8663	A	0.5
9	☐			2347.53	0.0001	P	8.4

$$y = 8.7499E-004 * x + 5.8058E-006$$

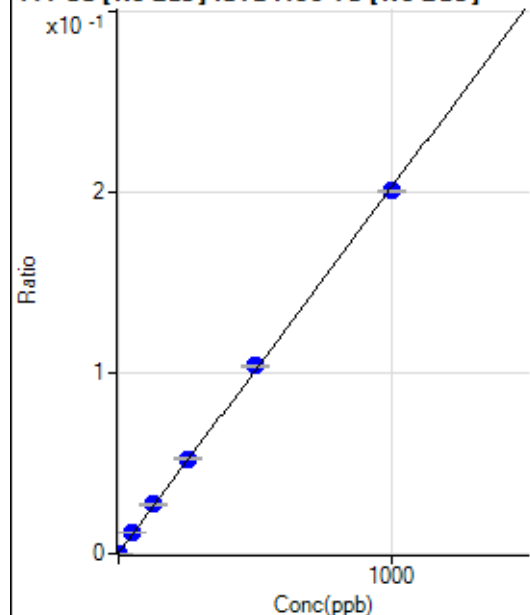
$$R = 0.9998$$

$$DL = 0.002771$$

$$BEC = 0.006635$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	6661.84	0.0003	P	2.4
2	☐	0.100					
3	☐	1.000	1.109	12444.14	0.0005	P	2.4
4	☐	50.000	56.803	291604.35	0.0118	P	3.8
5	☐	125.000	133.649	690143.09	0.0273	P	1.3
6	☐	250.000	258.548	1299063.61	0.0526	P	0.9
7	☐	500.000	511.447	2545835.93	0.1039	P	0.7
8	☐	1000.000	990.718	5041891.93	0.2010	P	0.5
9	☐			6104.48	0.0003	P	4.7

$$y = 2.0258\text{E-}004 * x + 2.5803\text{E-}004$$

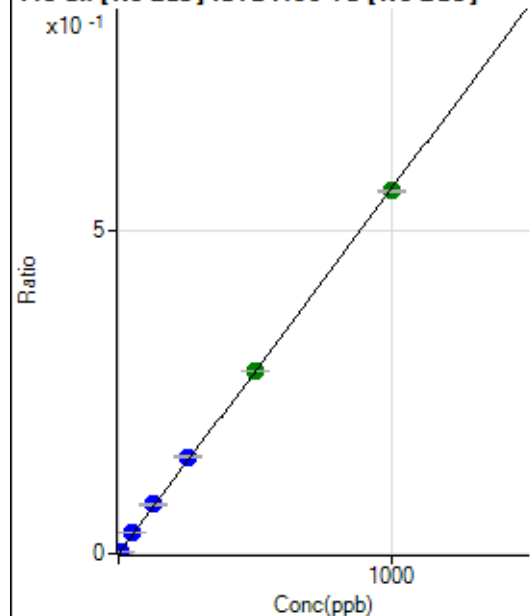
$$R = 0.9998$$

$$DL = 0.09292$$

$$BEC = 1.274$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1113.99	0.0000	P	12.0
2	☐	0.500					
3	☐	5.000	5.458	80709.80	0.0031	P	0.7
4	☐	50.000	56.485	792861.86	0.0320	P	4.3
5	☐	125.000	134.341	1919751.91	0.0760	P	1.4
6	☐	250.000	264.625	3695206.81	0.1497	P	1.3
7	☐	500.000	501.000	6946878.02	0.2834	A	0.5
8	☐	1000.000	994.349	14111709.69	0.5625	A	0.6
9	☐			8058.22	0.0004	P	4.6

$$y = 5.6561\text{E-}004 * x + 4.3140\text{E-}005$$

$$R = 0.9999$$

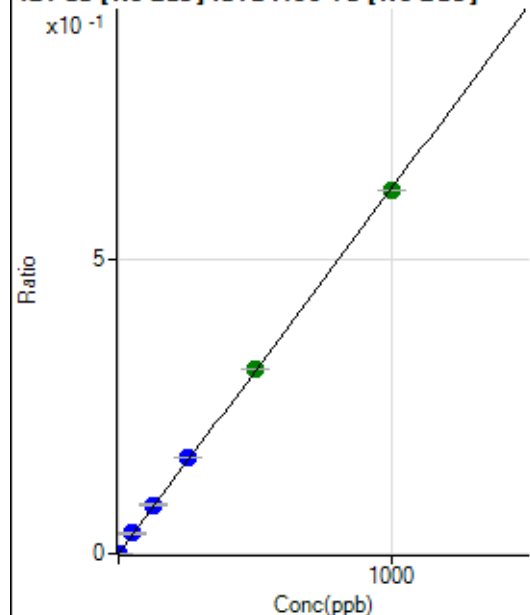
$$DL = 0.02747$$

$$BEC = 0.07627$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	36.11	0.0000	P	74.9
2	☐	0.200					
3	☐	2.000	2.002	32062.58	0.0012	P	2.4
4	☐	50.000	56.165	863866.97	0.0349	P	3.7
5	☐	125.000	134.021	2099887.96	0.0832	P	1.0
6	☐	250.000	263.878	4041260.12	0.1637	P	0.8
7	☐	500.000	503.473	7657419.18	0.3124	A	0.2
8	☐	1000.000	993.358	15464774.31	0.6164	A	0.2
9	☐			17163.93	0.0008	P	0.9

$$y = 6.2050E-004 * x + 1.4025E-006$$

$$R = 0.9999$$

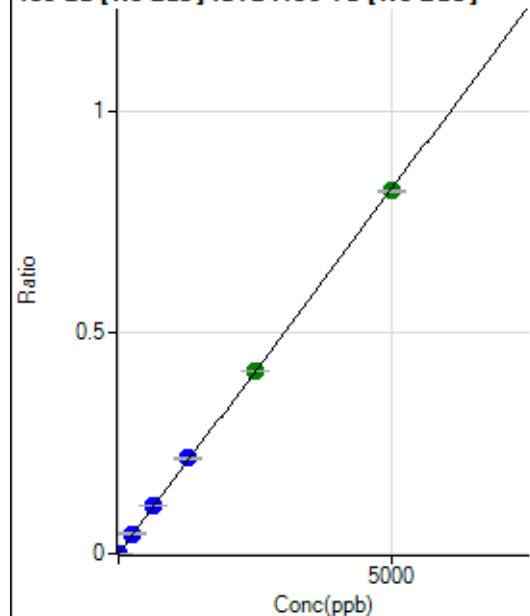
$$DL = 0.005076$$

$$BEC = 0.00226$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	47.22	0.0000	P	54.6
2	☐	1.000					
3	☐	10.000	10.279	43792.41	0.0017	P	1.0
4	☐	250.000	276.006	1129136.32	0.0456	P	3.9
5	☐	625.000	662.719	2762081.62	0.1094	P	0.4
6	☐	1250.000	1311.521	5342605.28	0.2165	P	1.0
7	☐	2500.000	2506.690	10140844.59	0.4137	A	0.2
8	☐	5000.000	4975.259	20602336.74	0.8212	A	0.3
9	☐			2505.89	0.0001	P	1.7

$$y = 1.6505E-004 * x + 1.8341E-006$$

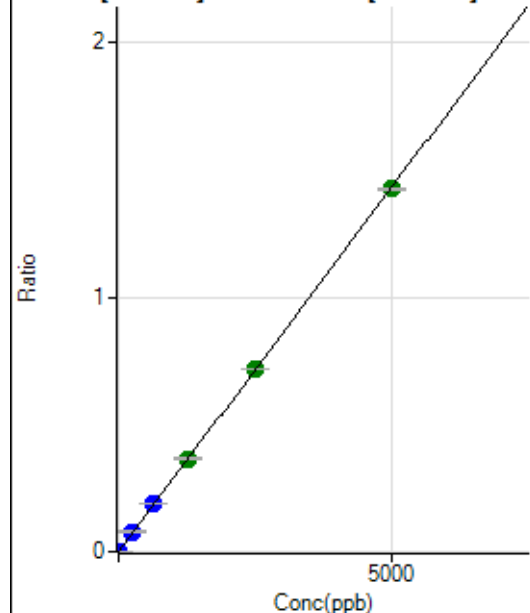
$$R = 0.9999$$

$$DL = 0.0182$$

$$BEC = 0.01111$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	55.56	0.0000	P	73.8
2	☐	1.000					
3	☐	10.000	10.322	76154.09	0.0030	P	0.8
4	☐	250.000	274.650	1946376.93	0.0785	P	3.9
5	☐	625.000	663.601	4791109.22	0.1897	P	0.6
6	☐	1250.000	1280.604	9037049.59	0.3661	A	0.2
7	☐	2500.000	2508.710	17581171.92	0.7173	A	0.6
8	☐	5000.000	4981.936	35737385.52	1.4244	A	0.3
9	☐			4136.92	0.0002	P	8.0

$$y = 2.8591E-004 * x + 2.1444E-006$$

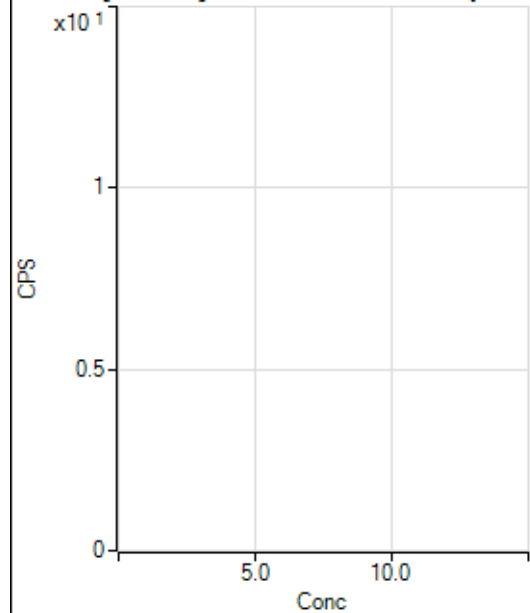
$$R = 1.0000$$

$$DL = 0.0166$$

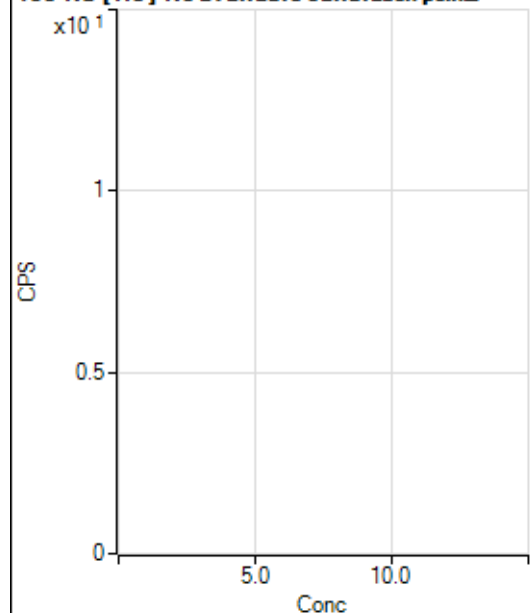
$$BEC = 0.0075$$

Weight: <None>

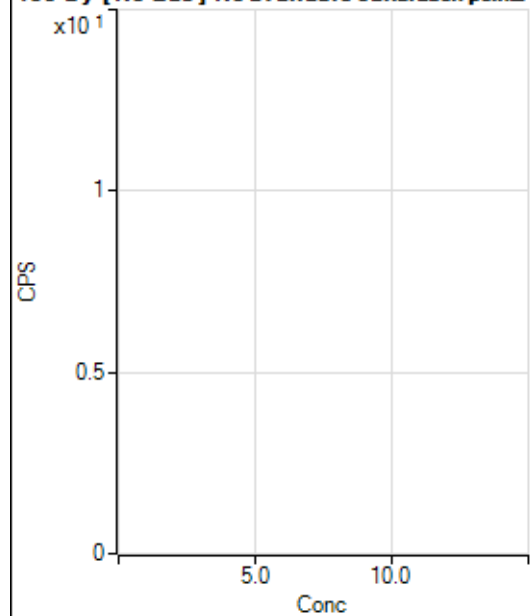
Min Conc: 0

150 Nd [No Gas] No available calibration points

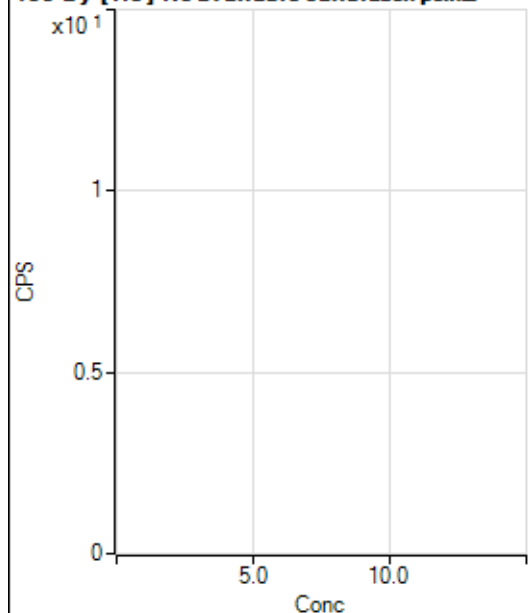
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			4.45		P	86.6
2	☐						
3	☐			6.67		P	100.0
4	☐			148.89		P	11.3
5	☐			266.68		P	30.4
6	☐			553.36		P	24.0
7	☐			1020.07		P	7.4
8	☐			2178.04		P	4.7
9	☐			308.90		P	16.5

150 Nd [He] No available calibration points

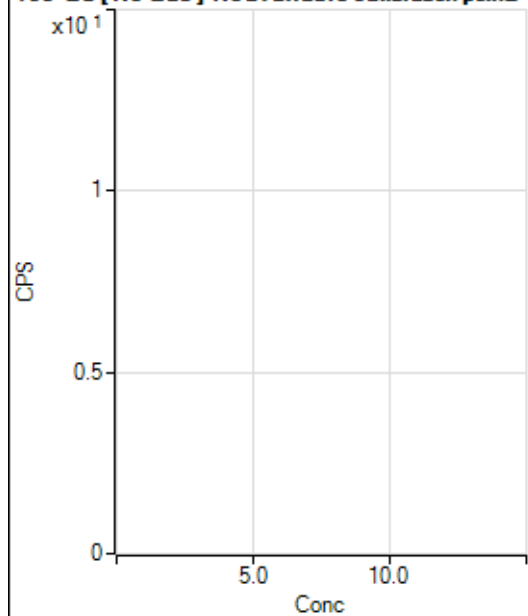
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			4.44		P	43.4
2	☐						
3	☐			3.33		P	173.2
4	☐			14.44		P	81.1
5	☐			38.89		P	42.3
6	☐			63.33		P	34.5
7	☐			123.34		P	23.6
8	☐			197.78		P	7.0
9	☐			125.56		P	29.6

156 Dy [No Gas] No available calibration points

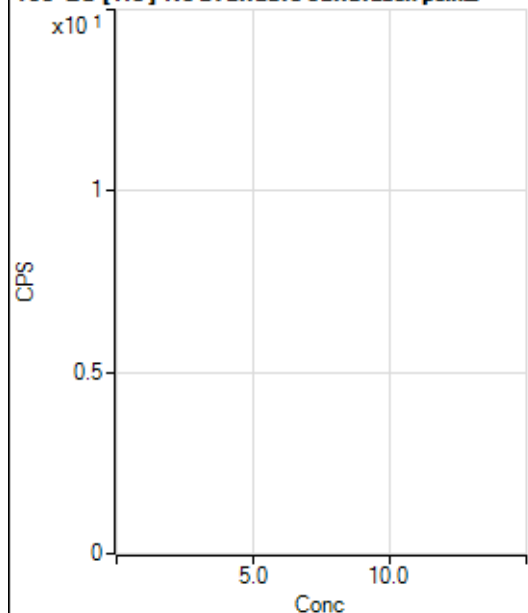
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			16.66		P	86.6
2	☐						
3	☐			8.33		P	100.0
4	☐			11.11		P	43.3
5	☐			83.34		P	43.6
6	☐			94.45		P	25.5
7	☐			177.79		P	28.6
8	☐			313.91		P	18.6
9	☐			188.90		P	10.2

156 Dy [He] No available calibration points

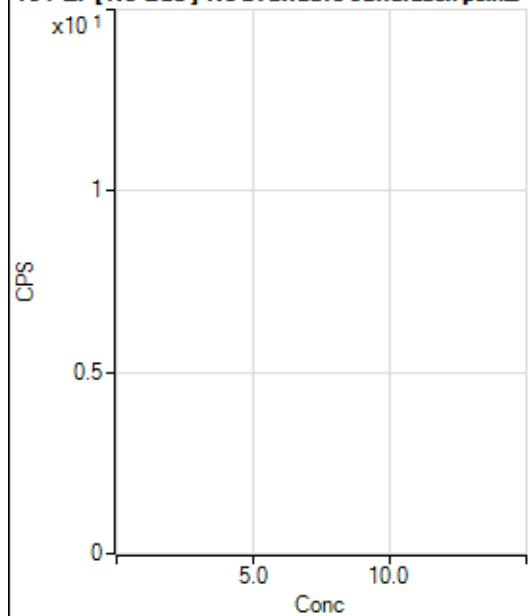
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			11.11		P	91.7
2	☐						
3	☐			6.67		P	50.0
4	☐			30.00		P	22.2
5	☐			64.45		P	20.9
6	☐			126.67		P	9.5
7	☐			198.89		P	5.4
8	☐			401.13		P	6.0
9	☐			105.56		P	3.6

160 Gd [No Gas] Noavailable calibration poin_

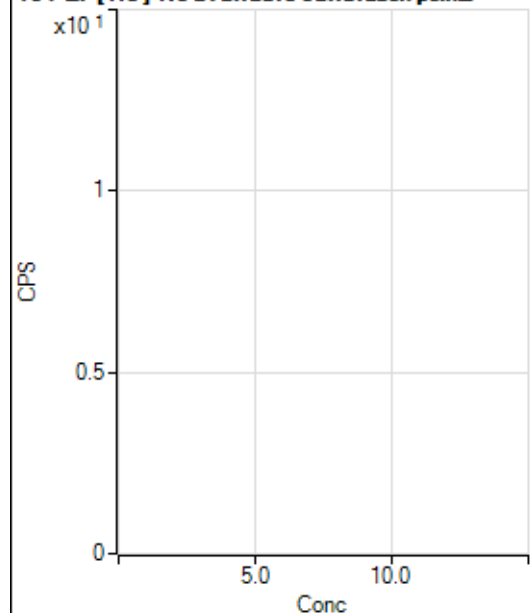
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			133.34		P	12.5
2	☐						
3	☐			100.01		P	14.4
4	☐			130.56		P	47.9
5	☐			155.56		P	11.2
6	☐			183.34		P	9.1
7	☐			188.90		P	17.8
8	☐			191.68		P	32.8
9	☐			233.34		P	22.3

160 Gd [He] No available calibration points

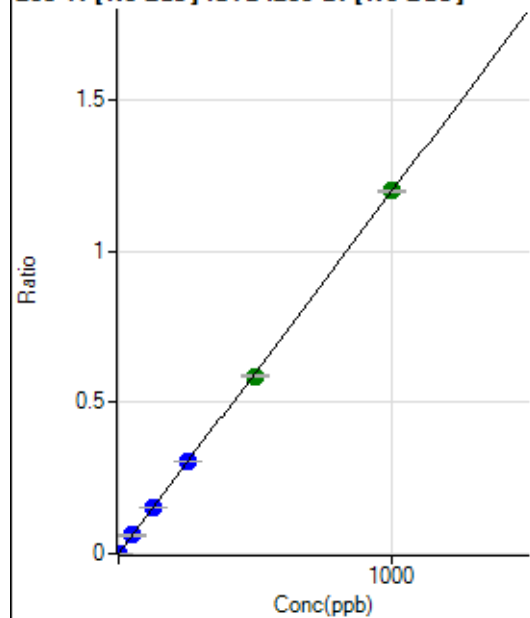
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			402.24		P	10.8
2	☐						
3	☐			440.01		P	4.6
4	☐			424.46		P	9.5
5	☐			375.57		P	6.0
6	☐			355.56		P	2.0
7	☐			370.01		P	6.5
8	☐			427.79		P	6.8
9	☐			422.24		P	13.0

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			80.56		P	26.0
2	☐						
3	☐			66.67		P	12.5
4	☐			69.45		P	45.4
5	☐			75.00		P	11.1
6	☐			75.00		P	22.2
7	☐			86.12		P	27.9
8	☐			75.01		P	38.5
9	☐			116.67		P	21.4

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			35.55		P	10.8
2	☐						
3	☐			36.67		P	24.1
4	☐			50.00		P	23.1
5	☐			36.67		P	32.8
6	☐			42.22		P	36.5
7	☐			42.22		P	31.9
8	☐			57.78		P	12.0
9	☐			76.67		P	4.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	186.12	0.0000	P	13.6
2	☐	0.100					
3	☐	1.000	0.893	19108.93	0.0011	P	3.7
4	☐	50.000	51.056	1033460.84	0.0612	P	3.9
5	☐	125.000	125.401	2572042.51	0.1503	P	0.7
6	☐	250.000	256.385	5124389.13	0.3072	P	0.8
7	☐	500.000	491.355	9655444.31	0.5887	A	0.9
8	☐	1000.000	1002.623	19421112.41	1.2012	A	0.7
9	☐			2175.28	0.0002	P	5.0

$$y = 0.0012 * x + 1.0491E-005$$

$$R = 0.9999$$

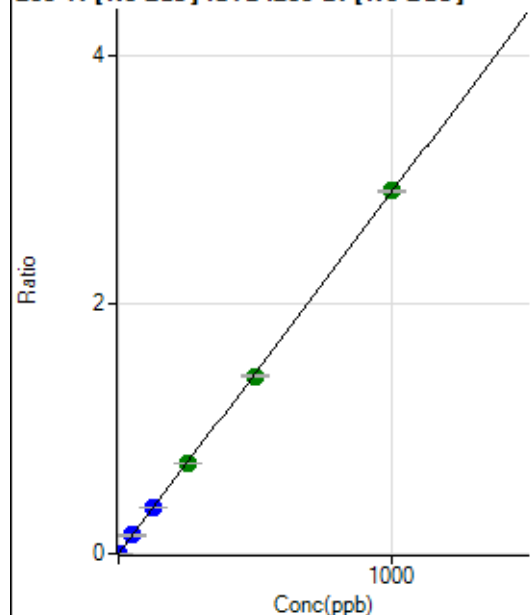
$$DL = 0.003578$$

$$BEC = 0.008756$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	419.47	0.0000	P	14.0
2	☐	0.100					
3	☐	1.000	0.896	46326.72	0.0026	P	0.4
4	☐	50.000	50.821	2490114.07	0.1474	P	4.1
5	☐	125.000	126.836	6297296.19	0.3679	P	1.3
6	☐	250.000	248.456	12021121.71	0.7206	A	0.2
7	☐	500.000	492.054	23406836.11	1.4271	A	0.9
8	☐	1000.000	1004.089	47081988.21	2.9121	A	0.6
9	☐			5309.65	0.0004	P	4.9

$$y = 0.0029 * x + 2.3668E-005$$

$$R = 0.9999$$

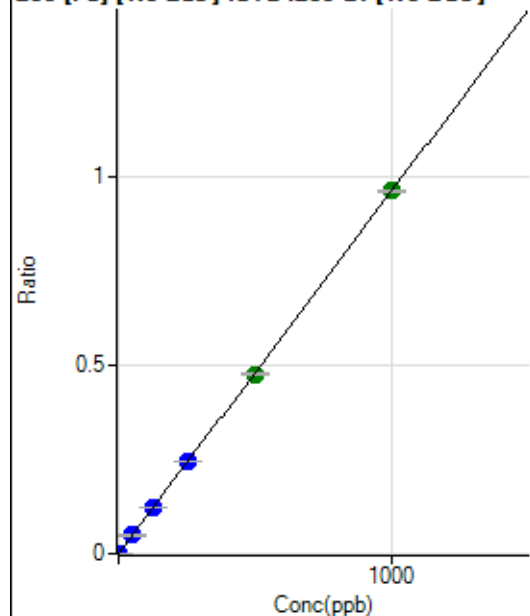
$$DL = 0.00343$$

$$BEC = 0.008161$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	450.02	0.0000	P	8.3
2	☐	0.100					
3	☐	1.000	0.936	16384.54	0.0009	P	1.3
4	☐	50.000	51.017	830766.58	0.0492	P	3.9
5	☐	125.000	125.706	2073749.94	0.1211	P	0.9
6	☐	250.000	254.150	4085395.32	0.2449	P	1.1
7	☐	500.000	495.579	7832101.22	0.4775	A	0.4
8	☐	1000.000	1001.034	15594150.12	0.9645	A	0.5
9	☐			19279.31	0.0015	P	2.1

$$y = 9.6350E-004 * x + 2.5372E-005$$

$$R = 1.0000$$

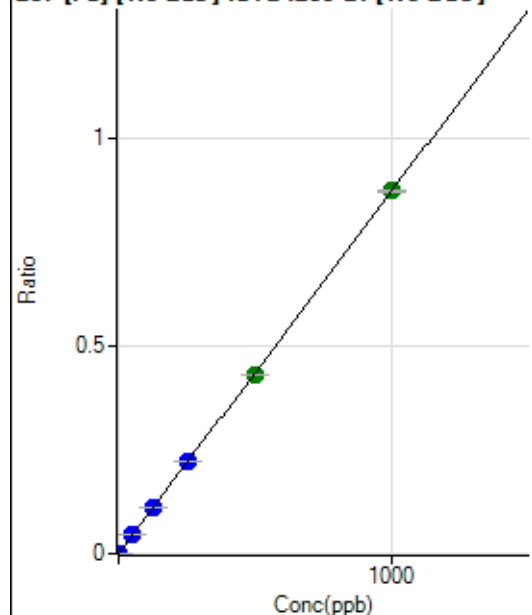
$$DL = 0.006525$$

$$BEC = 0.02633$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	375.94	0.0000	P	7.8
2	☐	0.100					
3	☐	1.000	0.885	14028.11	0.0008	P	0.8
4	☐	50.000	51.464	759379.00	0.0450	P	3.8
5	☐	125.000	125.646	1878151.16	0.1097	P	0.9
6	☐	250.000	254.925	3713296.38	0.2226	P	0.4
7	☐	500.000	494.261	7078230.14	0.4316	A	0.2
8	☐	1000.000	1001.485	14137093.37	0.8744	A	0.8
9	☐			16414.25	0.0013	P	4.0

$$y = 8.7309\text{E-}004 * x + 2.1197\text{E-}005$$

$$R = 1.0000$$

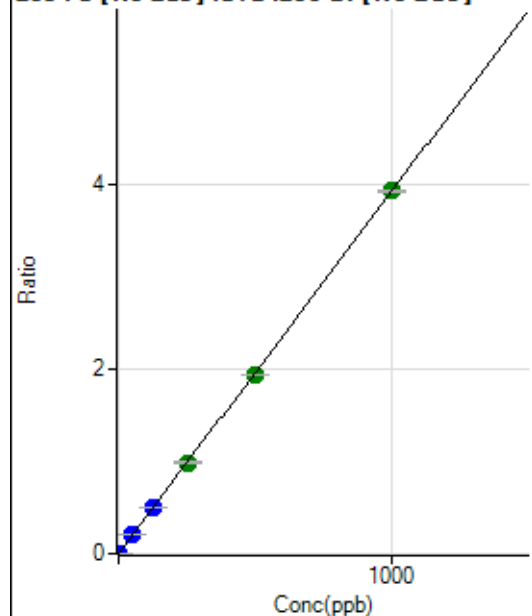
$$DL = 0.005654$$

$$BEC = 0.02428$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1824.17	0.0001	P	2.9
2	☐	0.100					
3	☐	1.000	0.910	64891.31	0.0037	P	2.0
4	☐	50.000	51.571	3416420.19	0.2022	P	3.9
5	☐	125.000	126.745	8505959.42	0.4969	P	0.8
6	☐	250.000	252.168	16490754.74	0.9885	A	0.1
7	☐	500.000	494.791	31812274.67	1.9396	A	0.2
8	☐	1000.000	1001.766	63486456.97	3.9268	A	0.6
9	☐			75631.96	0.0059	P	2.2

$$y = 0.0039 * x + 1.0288\text{E-}004$$

$$R = 1.0000$$

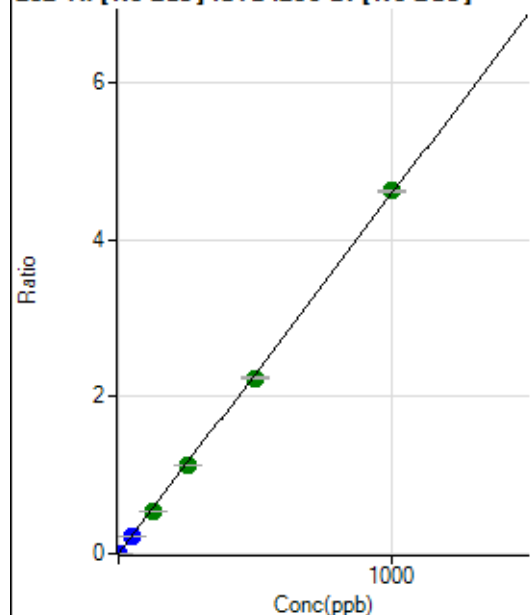
$$DL = 0.002313$$

$$BEC = 0.02625$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	137.04	0.0000	P	13.0
2	☐	0.100					
3	☐	1.000	0.809	65634.64	0.0037	P	2.1
4	☐	50.000	48.351	3742107.75	0.2215	P	3.5
5	☐	125.000	118.243	9272923.24	0.5417	A	0.7
6	☐	250.000	243.738	18626651.80	1.1166	A	0.3
7	☐	500.000	487.824	36652467.95	2.2347	A	1.0
8	☐	1000.000	1008.581	74699079.45	4.6203	A	0.8
9	☐			11924.32	0.0009	P	13.4

$$y = 0.0046 * x + 7.7293E-006$$

$$R = 0.9999$$

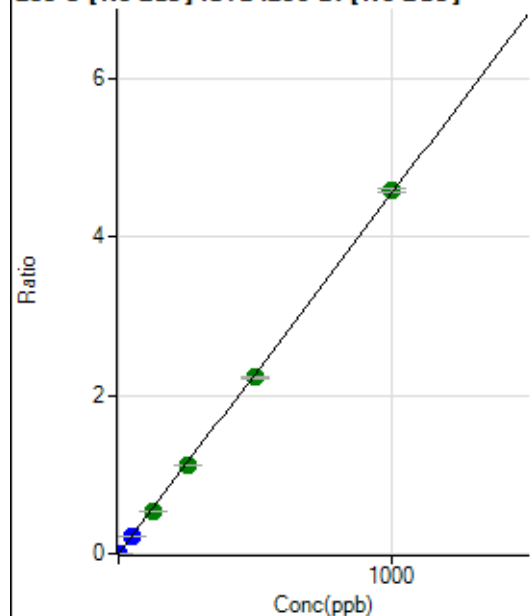
$$DL = 0.0006603$$

$$BEC = 0.001687$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	80.56	0.0000	P	26.5
2	☐	0.100					
3	☐	1.000	0.844	67821.70	0.0038	P	1.4
4	☐	50.000	48.913	3753892.88	0.2222	P	3.3
5	☐	125.000	117.533	9139106.63	0.5339	A	0.6
6	☐	250.000	244.842	18553733.23	1.1122	A	0.3
7	☐	500.000	488.977	36430595.26	2.2212	A	0.6
8	☐	1000.000	1007.789	74010667.63	4.5779	A	1.2
9	☐			2617.06	0.0002	P	8.8

$$y = 0.0045 * x + 4.5484E-006$$

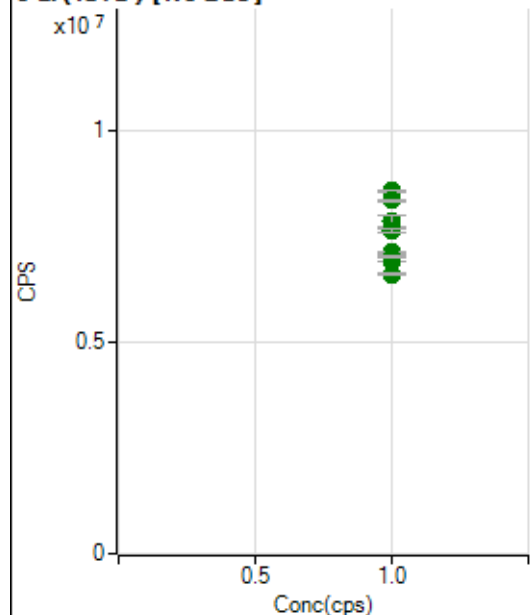
$$R = 0.9999$$

$$DL = 0.0007951$$

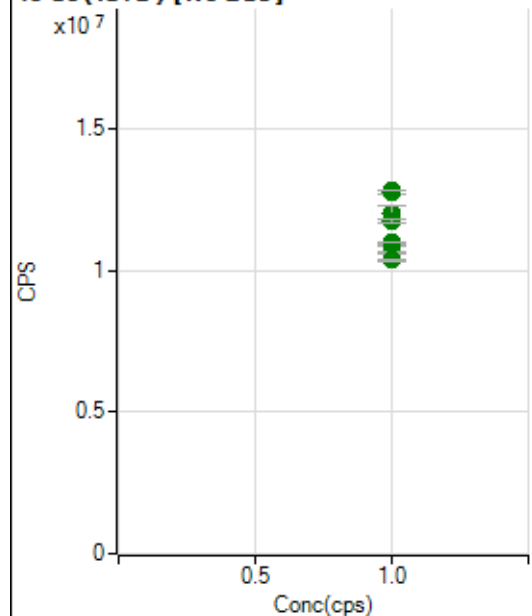
$$BEC = 0.001001$$

Weight: <None>

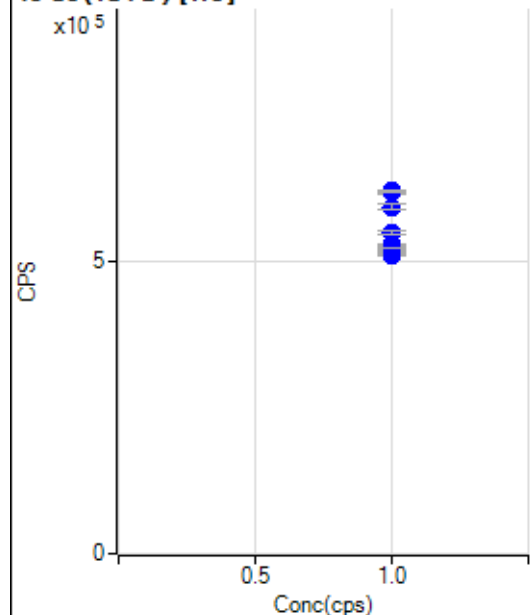
Min Conc: 0

6 Li (ISTD) [No Gas]

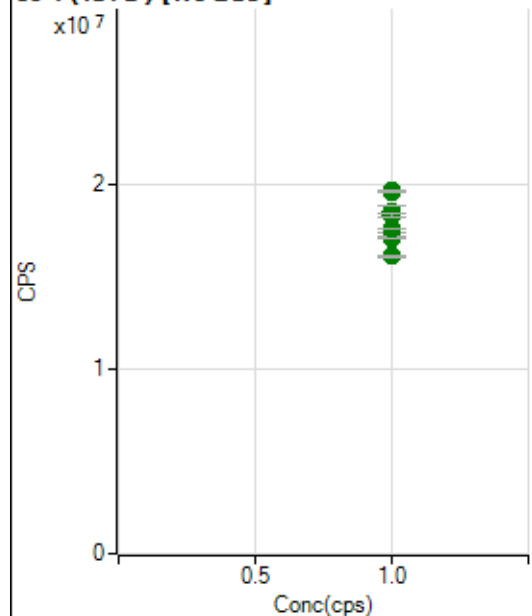
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8587698.22		A	0.4
2	☐	1.000					
3	☐	1.000		8355566.85		A	0.4
4	☐	1.000		7869300.46		A	3.3
5	☐	1.000		7654131.38		A	0.8
6	☐	1.000		7141337.94		A	0.8
7	☐	1.000		6908152.30		A	0.2
8	☐	1.000		7016532.90		A	0.5
9	☐	1.000		6615910.69		A	0.6

45 Sc (ISTD) [No Gas]

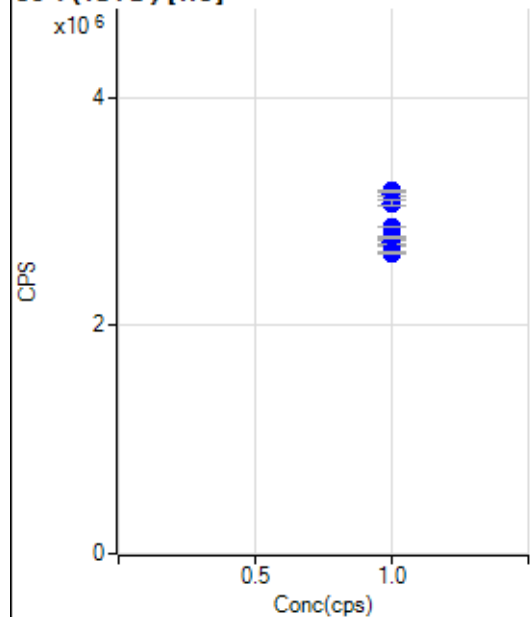
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		12768629.45		A	0.8
2	☐	1.000					
3	☐	1.000		12802381.97		A	0.2
4	☐	1.000		12026927.26		A	3.7
5	☐	1.000		11749697.92		A	1.2
6	☐	1.000		10884525.68		A	0.9
7	☐	1.000		10609669.60		A	0.3
8	☐	1.000		10998014.66		A	0.4
9	☐	1.000		10373384.52		A	0.5

45 Sc (ISTD) [He]

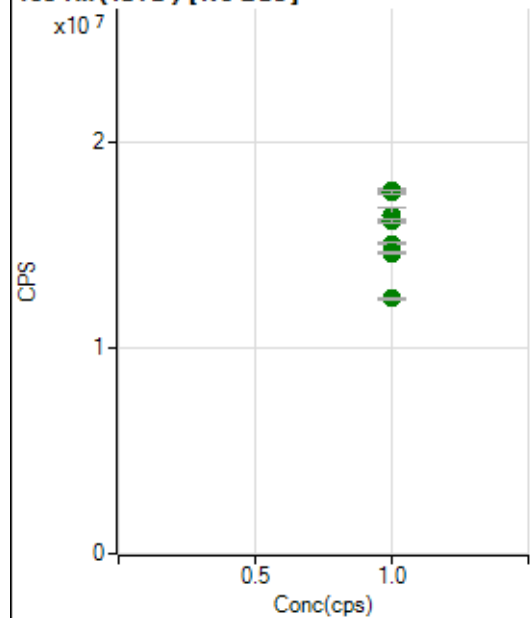
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		615912.53		P	0.7
2	☐	1.000					
3	☐	1.000		618832.96		P	0.2
4	☐	1.000		591046.80		P	1.6
5	☐	1.000		547369.67		P	1.4
6	☐	1.000		509719.26		P	0.2
7	☐	1.000		516164.57		P	0.4
8	☐	1.000		527191.63		P	0.4
9	☐	1.000		521741.24		P	0.3

89 Y (ISTD) [No Gas]

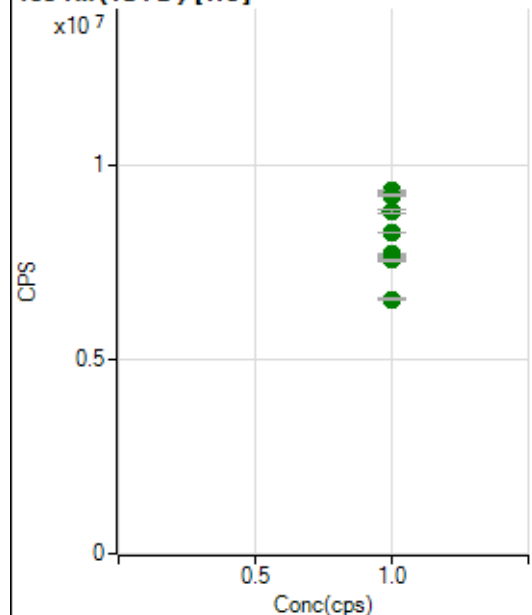
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		19573078.18		A	0.4
2	☐	1.000					
3	☐	1.000		19638365.40		A	0.5
4	☐	1.000		18550935.42		A	3.4
5	☐	1.000		18323479.73		A	1.3
6	☐	1.000		17399187.94		A	0.1
7	☐	1.000		17106701.13		A	0.9
8	☐	1.000		17580613.07		A	0.4
9	☐	1.000		16104432.95		A	0.8

89 Y (ISTD) [He]

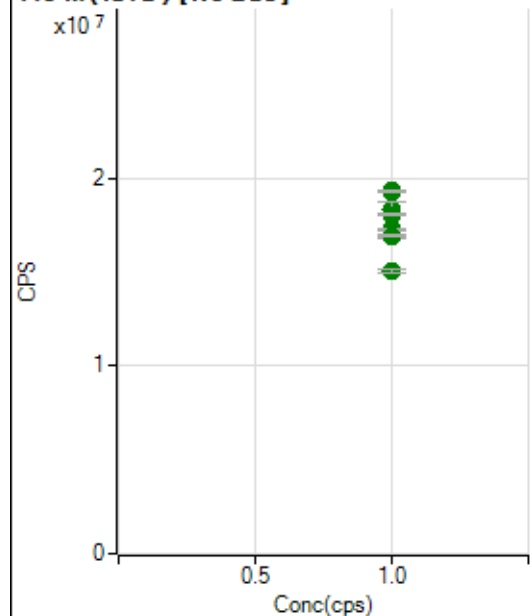
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3148317.87		P	1.2
2	☐	1.000					
3	☐	1.000		3179331.13		P	0.3
4	☐	1.000		3070155.75		P	1.6
5	☐	1.000		2869658.36		P	0.1
6	☐	1.000		2701428.09		P	0.2
7	☐	1.000		2734125.69		P	1.1
8	☐	1.000		2778955.79		P	0.6
9	☐	1.000		2633280.31		P	0.5

103 Rh (ISTD) [No Gas]

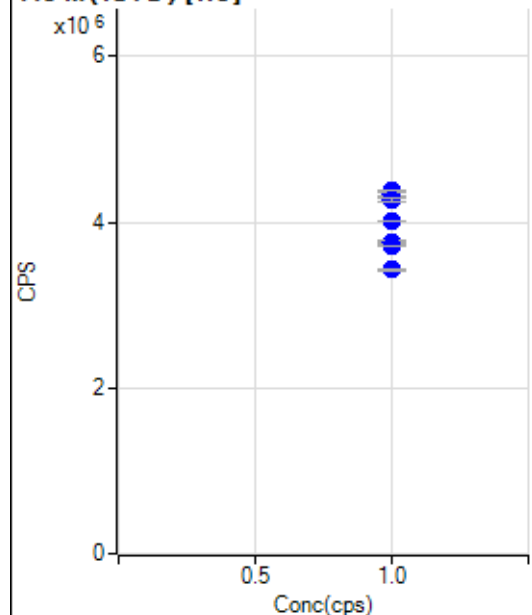
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		17652176.78		A	1.1
2	☐	1.000					
3	☐	1.000		17606412.02		A	0.8
4	☐	1.000		16502094.98		A	3.9
5	☐	1.000		16176414.25		A	1.0
6	☐	1.000		15100812.14		A	0.6
7	☐	1.000		14588138.87		A	0.4
8	☐	1.000		14655319.25		A	0.7
9	☐	1.000		12412242.72		A	0.7

103 Rh (ISTD) [He]

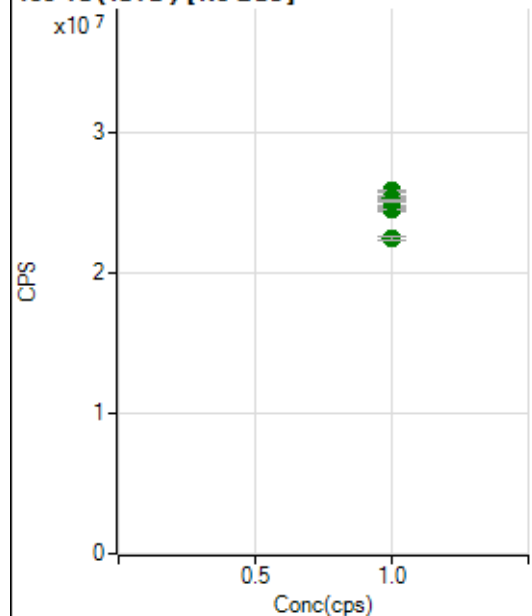
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		9348226.87		A	0.6
2	☐	1.000					
3	☐	1.000		9230487.71		A	0.2
4	☐	1.000		8812897.72		A	1.0
5	☐	1.000		8261342.10		A	0.1
6	☐	1.000		7733440.16		A	0.3
7	☐	1.000		7662117.31		A	1.0
8	☐	1.000		7564821.97		A	0.4
9	☐	1.000		6549231.57		A	0.7

115 In (ISTD) [No Gas]

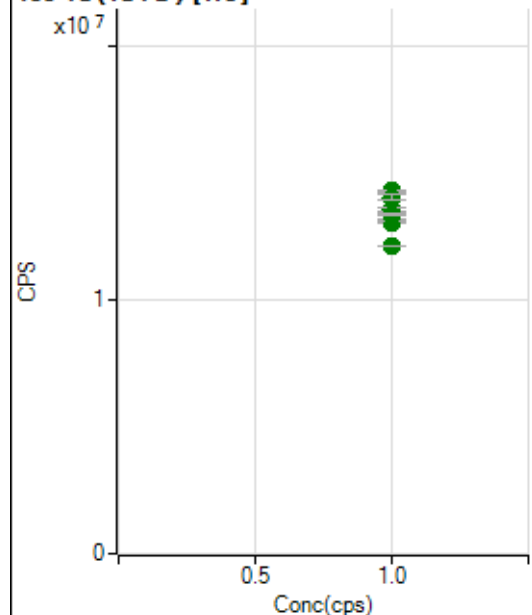
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		19282927.81		A	0.6
2	☐	1.000					
3	☐	1.000		19327807.10		A	0.4
4	☐	1.000		18351869.09		A	3.8
5	☐	1.000		18069976.08		A	0.4
6	☐	1.000		17270716.04		A	0.2
7	☐	1.000		16859234.50		A	0.2
8	☐	1.000		16939598.00		A	0.7
9	☐	1.000		15061761.35		A	1.0

115 In (ISTD) [He]

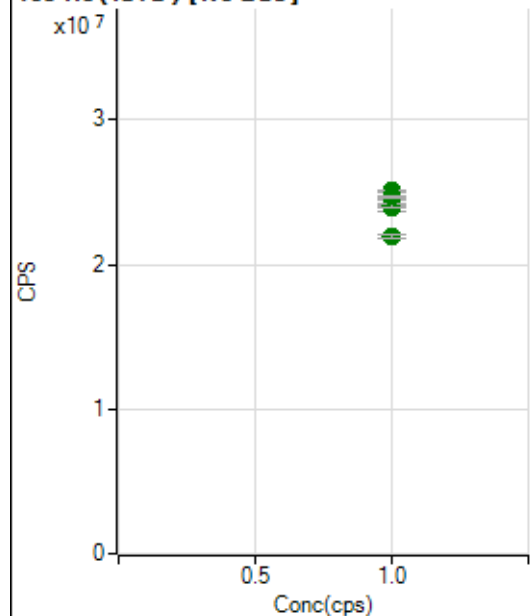
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4335206.52		P	1.1
2	☐	1.000					
3	☐	1.000		4376828.54		P	0.3
4	☐	1.000		4264455.85		P	1.2
5	☐	1.000		4009857.59		P	0.3
6	☐	1.000		3765638.85		P	0.2
7	☐	1.000		3765685.65		P	1.4
8	☐	1.000		3703842.21		P	0.1
9	☐	1.000		3424386.23		P	0.6

159 Tb (ISTD) [No Gas]

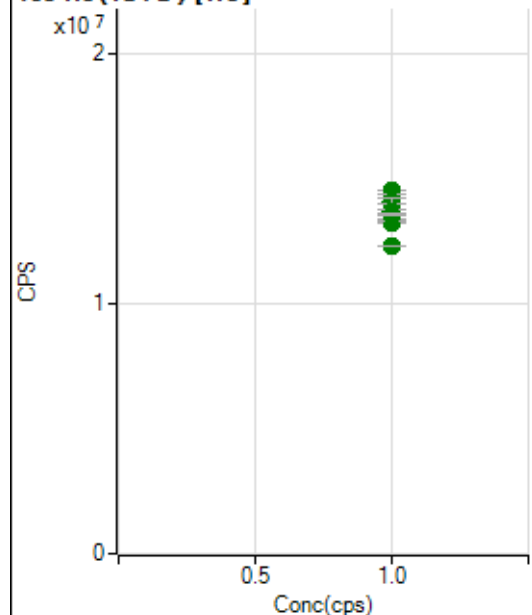
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		25820459.61		A	0.8
2	☐	1.000					
3	☐	1.000		25785128.23		A	0.4
4	☐	1.000		24809339.91		A	3.7
5	☐	1.000		25252432.13		A	1.1
6	☐	1.000		24681635.47		A	0.3
7	☐	1.000		24511098.80		A	0.3
8	☐	1.000		25089483.80		A	0.5
9	☐	1.000		22434266.61		A	1.1

159 Tb (ISTD) [He]

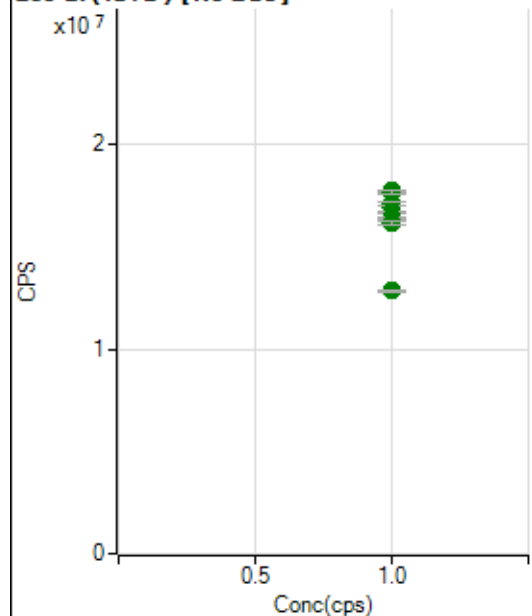
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		14285534.09		A	0.1
2	☐	1.000					
3	☐	1.000		14257255.48		A	0.5
4	☐	1.000		14030328.26		A	1.3
5	☐	1.000		13548545.77		A	0.8
6	☐	1.000		13050699.66		A	0.4
7	☐	1.000		13135411.75		A	1.0
8	☐	1.000		13333606.19		A	0.5
9	☐	1.000		12131201.21		A	0.2

165 Ho (ISTD) [No Gas]

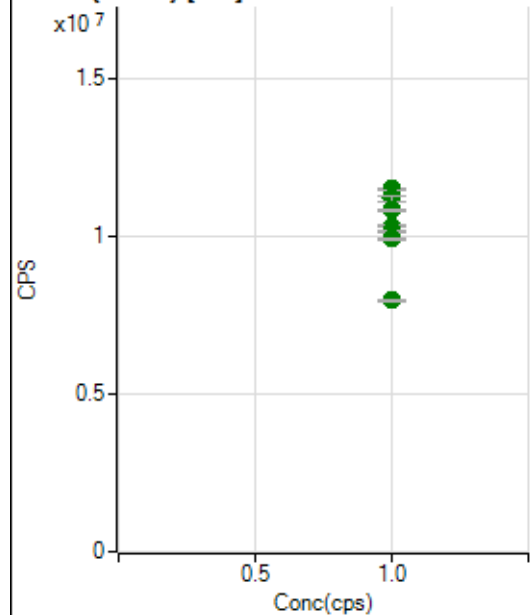
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		25081463.58		A	0.8
2	☐	1.000					
3	☐	1.000		25069887.88		A	0.8
4	☐	1.000		24125324.85		A	3.6
5	☐	1.000		24596342.56		A	1.0
6	☐	1.000		23992784.91		A	0.5
7	☐	1.000		24073044.81		A	0.8
8	☐	1.000		24664708.02		A	0.8
9	☐	1.000		21917674.80		A	1.1

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		14489350.06		A	0.1
2	☐	1.000					
3	☐	1.000		14355554.37		A	0.2
4	☐	1.000		14088887.99		A	1.2
5	☐	1.000		13672060.35		A	0.7
6	☐	1.000		13221859.25		A	0.5
7	☐	1.000		13318071.61		A	0.9
8	☐	1.000		13543557.44		A	0.3
9	☐	1.000		12313823.84		A	0.1

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		17730281.96		A	0.7
2	☐	1.000					
3	☐	1.000		17675093.63		A	0.8
4	☐	1.000		16907685.16		A	3.5
5	☐	1.000		17118440.72		A	1.2
6	☐	1.000		16681968.36		A	0.2
7	☐	1.000		16401695.03		A	0.4
8	☐	1.000		16168158.65		A	0.9
9	☐	1.000		12862802.73		A	0.9

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		11495353.72		A	0.3
2	☐	1.000					
3	☐	1.000		11456123.58		A	0.5
4	☐	1.000		11183506.78		A	1.4
5	☐	1.000		10815553.73		A	0.4
6	☐	1.000		10307444.36		A	0.7
7	☐	1.000		10154395.96		A	0.3
8	☐	1.000		9911991.80		A	0.5
9	☐	1.000		7961267.03		A	0.3