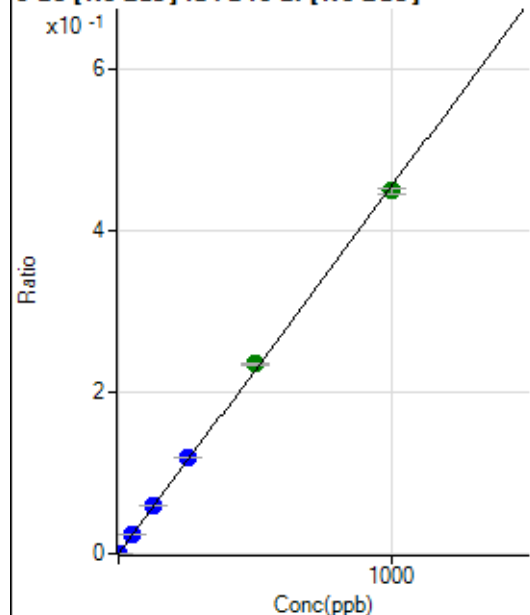


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8070221MS.b\
Analysis File: P8070221MS.batch.bin
DA Date-Time: 2021-07-04 19:07:47
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2021-07-02 11:29:14
2	004CALS.d	S01	2021-07-02 11:32:20
3	005CALS.d	S02	2021-07-02 11:35:23
4	006CALS.d	S03	2021-07-02 11:38:28
5	007CALS.d	S04	2021-07-02 11:41:34
6	008CALS.d	S05	2021-07-02 11:44:40
7	009CALS.d	S06	2021-07-02 11:47:43
8	010CALS.d	S07	2021-07-02 11:50:48
9	011CALS.d	S08	2021-07-02 11:53:52

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	48.66	0.0000	P	16.5
2	☐	0.100	0.107	357.27	0.0001	P	11.1
3	☐	1.000	1.094	3185.06	0.0005	P	5.0
4	☐	50.000	53.476	159859.01	0.0244	P	1.9
5	☐	125.000	132.874	393662.93	0.0605	P	0.9
6	☐	250.000	262.099	782119.91	0.1193	P	1.6
7	☐	500.000	516.239	1535439.03	0.2351	A	0.6
8	☐	1000.000	987.698	2917463.91	0.4497	A	1.3
9	☐			574.56	0.0001	P	13.6

$$y = 4.5531\text{E-}004 * x + 7.6191\text{E-}006$$

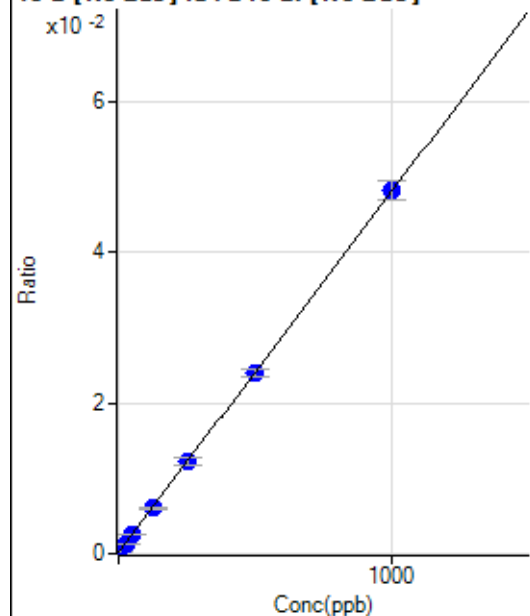
$$R = 0.9997$$

$$DL = 0.008306$$

$$BEC = 0.01673$$

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	971.18	0.0002	P	2.2
2	☐	2.500	2.059	1589.78	0.0003	P	2.3
3	☐	25.000	24.340	8302.72	0.0013	P	2.4
4	☐	50.000	50.067	16715.57	0.0025	P	8.1
5	☐	125.000	124.287	39688.26	0.0061	P	4.5
6	☐	250.000	251.804	79906.10	0.0122	P	8.0
7	☐	500.000	495.390	155855.89	0.0239	P	4.4
8	☐	1000.000	1001.957	312067.52	0.0481	P	5.4
9	☐			28764.51	0.0048	P	5.9

$$y = 4.7856\text{E-}005 * x + 1.5212\text{E-}004$$

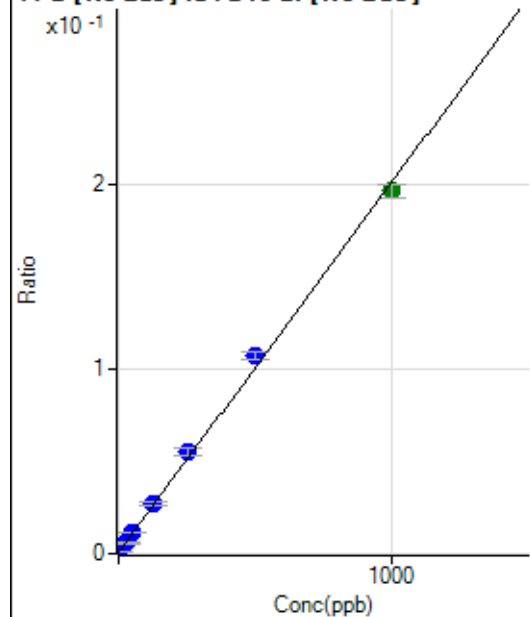
$$R = 1.0000$$

$$DL = 0.2051$$

$$BEC = 3.179$$

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	4053.77	0.0006	P	2.1
2	☐	2.500	2.489	7183.69	0.0011	P	4.4
3	☐	25.000	25.609	36296.83	0.0058	P	5.0
4	☐	50.000	53.651	74589.95	0.0114	P	5.8
5	☐	125.000	132.300	176305.03	0.0271	P	6.3
6	☐	250.000	270.884	358980.90	0.0548	P	7.5
7	☐	500.000	531.595	698691.25	0.1070	P	3.8
8	☐	1000.000	977.871	1273060.15	0.1962	A	3.9
9	☐			129244.79	0.0216	P	6.4

$$y = 2.0002\text{E-}004 * x + 6.3495\text{E-}004$$

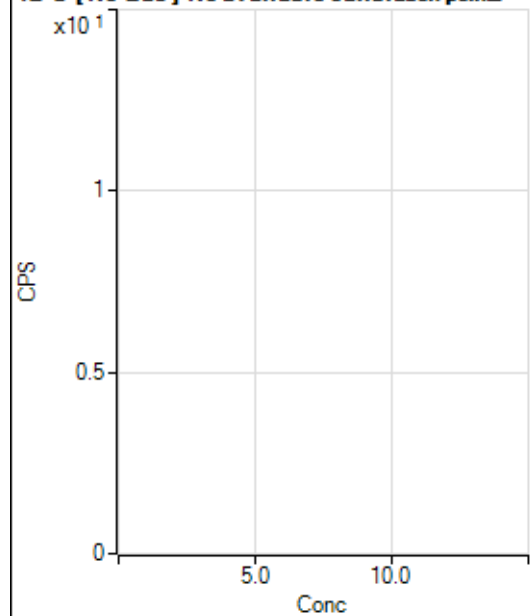
$$R = 0.9990$$

$$DL = 0.204$$

$$BEC = 3.174$$

Weight: <None>

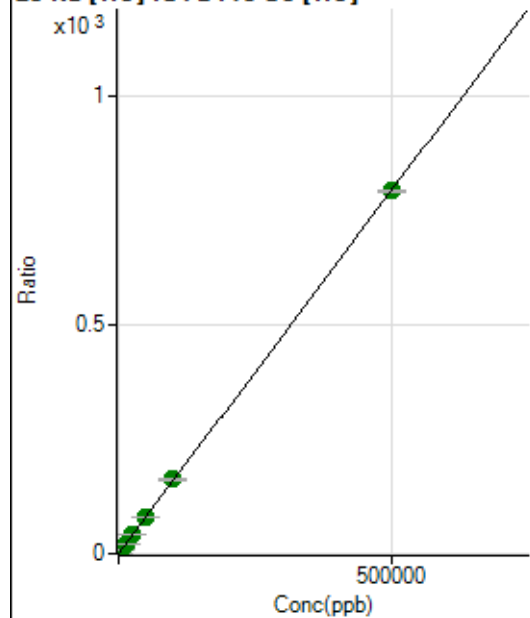
Min Conc: 0

12 C [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			5508609.50		A	0.9
2	☐			5694263.54		A	0.4
3	☐			6589123.63		A	2.7
4	☐			6867549.20		A	3.1
5	☐			7023727.33		A	3.2
6	☐			7338879.16		A	2.2
7	☐			7707790.28		A	1.8
8	☐			8294624.23		A	2.8
9	☐			7561617.18		A	2.3

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			49297.26		P	0.9
2	☐			51894.98		P	1.2
3	☐			63119.41		P	1.7
4	☐			66007.05		P	2.1
5	☐			67441.22		P	0.6
6	☐			72370.14		P	2.0
7	☐			77652.39		P	1.5
8	☐			82847.18		P	1.9
9	☐			79967.63		P	2.1

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	14121.06	0.0761	P	5.1
2	☐	50.000	52.990	29371.93	0.1604	P	2.4
3	☐	500.000	532.461	170434.93	0.9225	P	1.5
4	☐	5000.000	5354.089	1624379.55	8.5868	A	0.4
5	☐	12500.000	12884.065	3848617.75	20.5562	A	1.5
6	☐	25000.000	26113.465	7588810.76	41.5852	A	0.5
7	☐	50000.000	51426.895	14858952.07	81.8225	A	0.3
8	☐	100000.00	102029.64	29389294.06	162.2588	A	0.7
9	☐	500000.00	499382.53	147111174.1	793.8767	A	0.3

$$y = 0.0016 * x + 0.0761$$

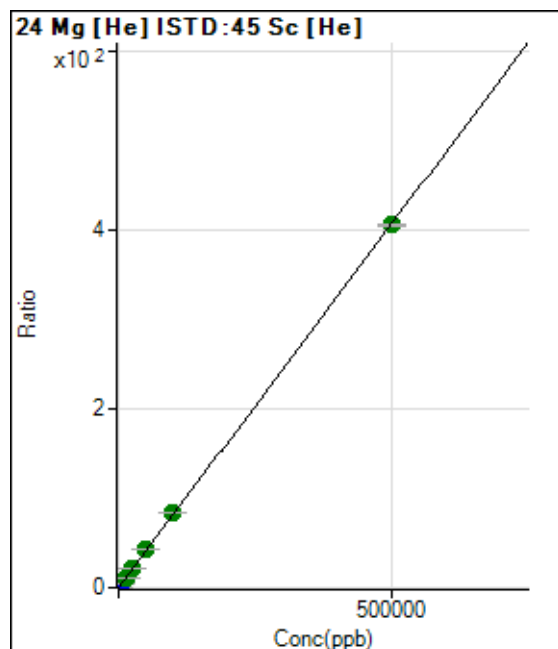
$$R = 1.0000$$

$$DL = 7.379$$

$$BEC = 47.9$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	130.56	0.0007	P	28.0
2	☐	50.000	50.446	7635.53	0.0417	P	4.4
3	☐	500.000	526.932	79232.27	0.4289	P	2.4
4	☐	5000.000	5500.768	845724.49	4.4709	P	0.9
5	☐	12500.000	13527.500	2058200.22	10.9937	A	2.3
6	☐	25000.000	26961.380	3998300.74	21.9106	A	0.8
7	☐	50000.000	52631.887	7767326.56	42.7716	A	1.0
8	☐	100000.00	103577.40	15245637.84	84.1720	A	1.0
9	☐	500000.00	498892.53	75127380.85	405.4217	A	0.9

$$y = 8.1264\text{E-}004 * x + 7.0186\text{E-}004$$

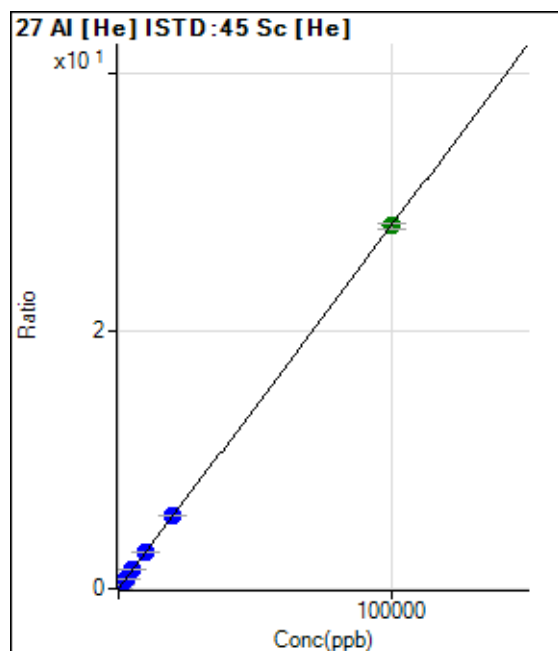
$$R = 1.0000$$

$$DL = 0.7257$$

$$BEC = 0.8637$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	91.24	0.0005	P	15.9
2	☐	2.000	1.891	187.48	0.0010	P	0.6
3	☐	20.000	21.438	1204.90	0.0065	P	7.5
4	☐	1000.000	1055.138	56271.22	0.2975	P	0.1
5	☐	2500.000	2572.377	135643.05	0.7245	P	1.3
6	☐	5000.000	5237.604	269100.37	1.4746	P	0.4
7	☐	10000.000	10296.513	526360.31	2.8985	P	0.4
8	☐	20000.000	20199.289	1029792.21	5.6856	P	0.9
9	☐	100000.00	99916.250	5211268.44	28.1221	A	1.3

$$y = 2.8145\text{E-}004 * x + 4.9121\text{E-}004$$

$$R = 1.0000$$

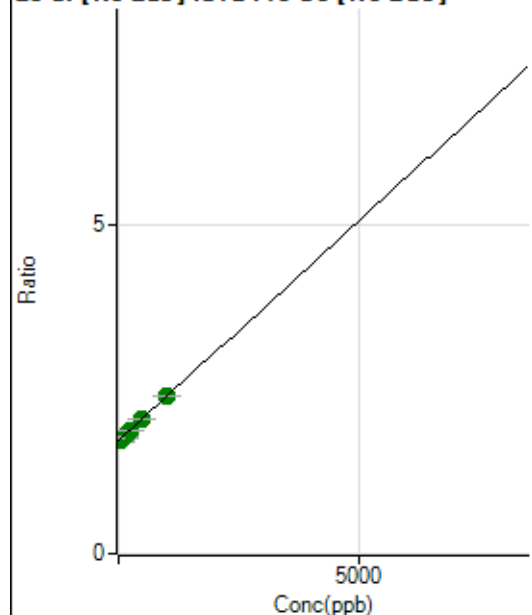
$$DL = 0.8329$$

$$BEC = 1.745$$

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	11675492.71	1.7284	A	1.9
2	☐	1.000	21.679	11783358.34	1.7428	A	3.1
3	☐	10.000	47.283	11725778.73	1.7599	A	1.0
4	☐	50.000	-5.336	11913695.49	1.7248	A	1.8
5	☐	125.000	71.937	12154318.41	1.7764	A	0.8
6	☐	250.000	223.973	12780996.98	1.8778	A	0.6
7	☐	500.000	494.257	13755790.76	2.0582	A	0.5
8	☐	1000.000	1018.384	16205468.42	2.4080	A	0.9
9	☐			11420742.96	1.7741	A	5.4

$$y = 6.6731E-004 * x + 1.7284$$

$$R = 0.9956$$

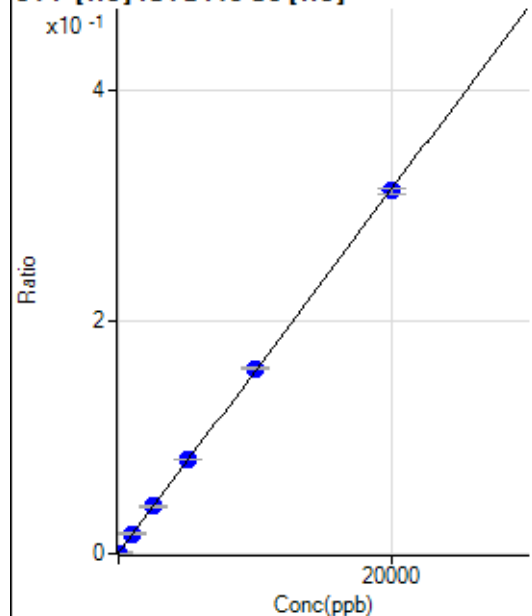
$$DL = 150.8$$

$$BEC = 2590$$

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	3.208	136.11	0.0007	P	19.2
2	☐	0.000	4.876	138.89	0.0008	P	35.1
3	☐	0.000	-8.084	102.78	0.0006	P	3.2
4	☐	1000.000	1020.133	3156.00	0.0167	P	10.6
5	☐	2500.000	2550.863	7621.63	0.0407	P	4.0
6	☐	5000.000	5109.193	14755.06	0.0809	P	1.0
7	☐	10000.000	10124.097	28974.00	0.1595	P	1.4
8	☐	20000.000	19903.289	56691.96	0.3130	P	1.8
9	☐			188.90	0.0010	P	9.2

$$y = 1.5692E-005 * x + 6.8292E-004$$

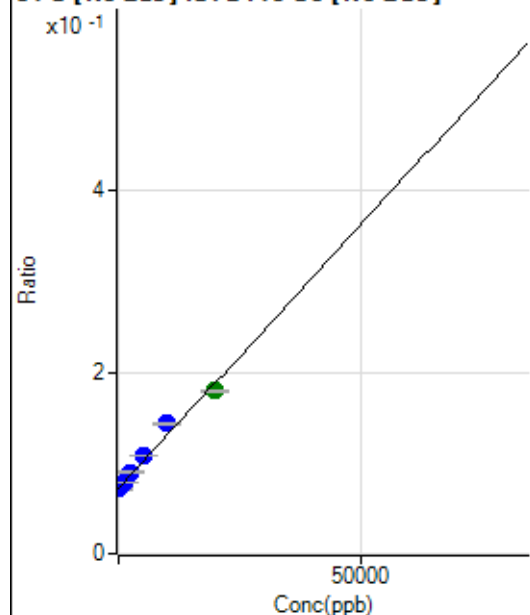
$$R = 1.0000$$

$$DL = 27.11$$

$$BEC = 43.52$$

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	-68.738	483696.76	0.0716	P	1.0
2	☐	0.000	-36.175	485376.05	0.0718	P	2.7
3	☐	0.000	104.913	483731.21	0.0726	P	0.8
4	☐	1000.000	1112.603	541766.19	0.0784	P	2.3
5	☐	2500.000	3005.459	611560.71	0.0894	P	1.8
6	☐	5000.000	6126.537	731458.06	0.1075	P	0.2
7	☐	10000.000	12336.963	958543.75	0.1434	P	1.2
8	☐	20000.000	18481.072	1204670.51	0.1790	A	0.9
9	☐			434792.71	0.0675	P	5.6

$$y = 5.7899E-006 * x + 0.0720$$

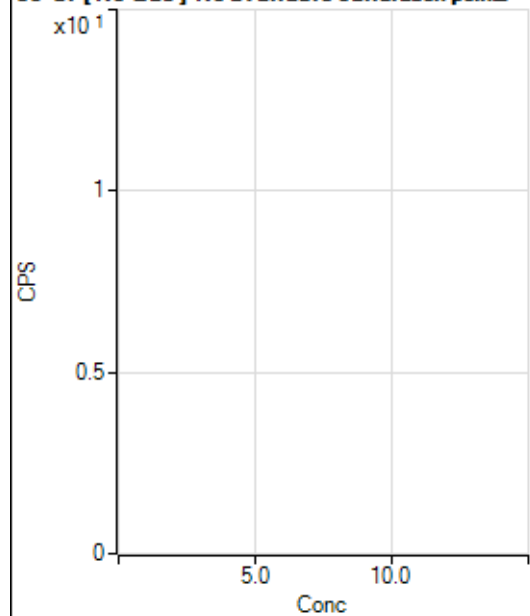
$$R = 0.9877$$

$$DL = 558.4$$

$$BEC = 1.243E+04$$

Weight: <None>

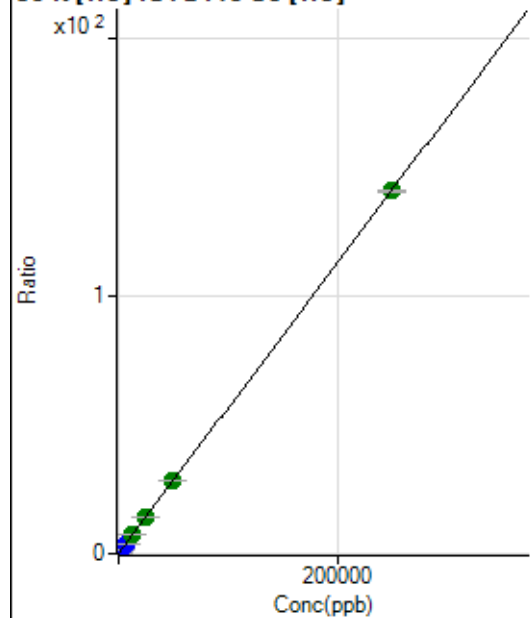
Min Conc: 0

35 Cl [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			512102.25		P	1.0
2	☐			503349.93		P	0.0
3	☐			515381.93		P	1.1
4	☐			506122.15		P	0.7
5	☐			501023.05		P	0.0
6	☐			488637.26		P	0.9
7	☐			462078.09		P	0.8
8	☐			455758.62		P	1.0
9	☐			460710.87		P	0.4

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			3172.66		P	3.5
2	☐			3161.57		P	10.5
3	☐			3072.64		P	2.3
4	☐			3158.76		P	7.4
5	☐			3039.29		P	3.3
6	☐			2836.46		P	2.2
7	☐			2805.90		P	3.3
8	☐			2705.88		P	4.7
9	☐			3008.74		P	3.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	18200.84	0.0981	P	4.0
2	☐	50.000	49.230	23038.31	0.1258	P	2.6
3	☐	500.000	511.000	71206.49	0.3855	P	2.9
4	☐	2500.000	2637.019	299099.67	1.5811	P	0.5
5	☐	6250.000	6361.216	688151.50	3.6755	P	1.4
6	☐	12500.000	12933.349	1345167.35	7.3716	A	0.9
7	☐	25000.000	25480.840	2620142.42	14.4280	A	1.0
8	☐	50000.000	49970.128	5107962.78	28.2003	A	0.3
9	☐	250000.00	249932.05	26064059.79	140.6546	A	0.8

$$y = 5.6238E-004 * x + 0.0981$$

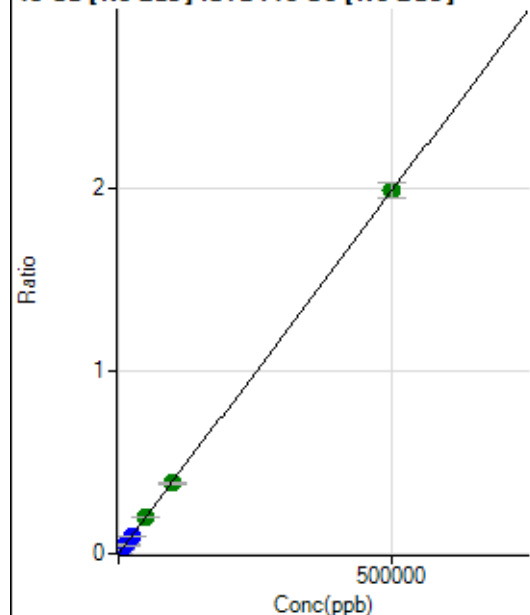
$$R = 1.0000$$

$$DL = 20.95$$

$$BEC = 174.5$$

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	212.37	0.0000	P	8.5
2	☐	50.000	47.605	1492.93	0.0002	P	3.4
3	☐	500.000	496.871	13370.21	0.0020	P	0.8
4	☐	5000.000	4814.861	132440.53	0.0192	P	1.2
5	☐	12500.000	11983.844	326126.05	0.0477	P	1.9
6	☐	25000.000	24300.189	657742.06	0.0966	P	0.4
7	☐	50000.000	49877.554	1325653.37	0.1983	A	2.1
8	☐	100000.00	96928.912	2593923.07	0.3854	A	0.4
9	☐	500000.00	500676.21	12819044.15	1.9905	A	4.2

$$y = 3.9755E-006 * x + 3.1408E-005$$

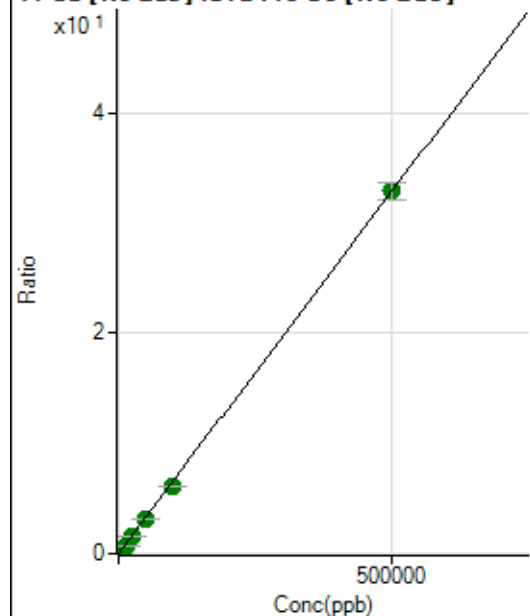
$$R = 1.0000$$

$$DL = 2.023$$

$$BEC = 7.9$$

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	30004.89	0.0044	P	1.6
2	☐	50.000	48.962	51765.69	0.0077	P	2.7
3	☐	500.000	495.700	246415.41	0.0370	P	1.4
4	☐	5000.000	4889.224	2248257.97	0.3254	A	0.4
5	☐	12500.000	11757.395	5310965.83	0.7763	A	1.5
6	☐	25000.000	23952.824	10733411.68	1.5770	A	0.9
7	☐	50000.000	48295.262	21222493.91	3.1751	A	1.5
8	☐	100000.00	94001.549	41567091.48	6.1757	A	0.6
9	☐	500000.00	501442.20	212011517.9	32.9247	A	4.7

$$y = 6.5651E-005 * x + 0.0044$$

$$R = 0.9999$$

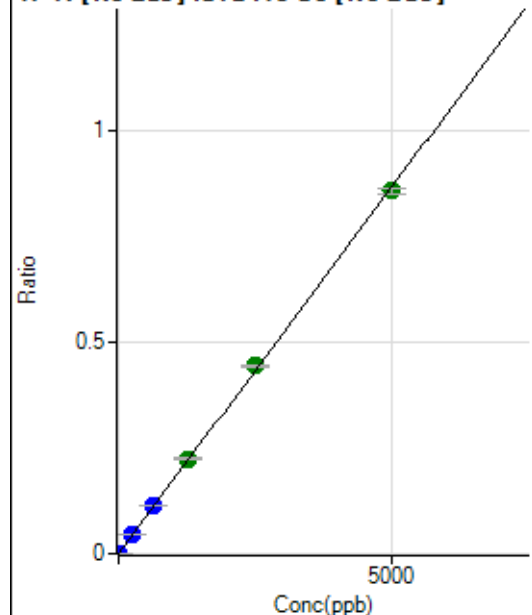
$$DL = 3.296$$

$$BEC = 67.66$$

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	194.45	0.0000	P	33.6
2	☐	0.500	0.572	863.94	0.0001	P	14.3
3	☐	5.000	5.670	6735.09	0.0010	P	2.0
4	☐	250.000	260.351	311580.61	0.0451	P	2.2
5	☐	625.000	650.791	771085.95	0.1127	P	1.9
6	☐	1250.000	1296.133	1527774.01	0.2245	A	1.3
7	☐	2500.000	2565.481	2969364.98	0.4443	A	0.6
8	☐	5000.000	4951.984	5770444.09	0.8575	A	1.8
9	☐			1511.23	0.0002	P	2.7

$$y = 1.7316E-004 * x + 2.8880E-005$$

$$R = 0.9998$$

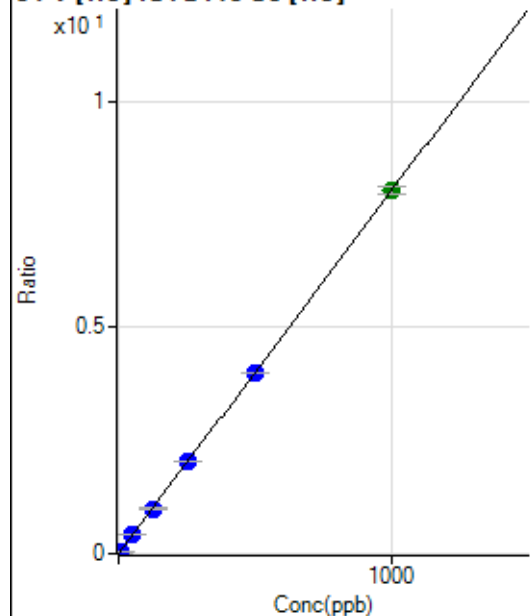
$$DL = 0.1681$$

$$BEC = 0.1668$$

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	4.44	0.0000	P	45.7
2	☐	0.500	0.542	801.14	0.0044	P	4.9
3	☐	5.000	5.228	7755.49	0.0420	P	2.0
4	☐	50.000	51.616	78372.86	0.4143	P	0.9
5	☐	125.000	124.454	187020.41	0.9989	P	1.3
6	☐	250.000	254.572	372862.25	2.0433	P	0.4
7	☐	500.000	498.314	726320.13	3.9996	P	0.1
8	☐	1000.000	999.687	1453141.65	8.0236	A	2.1
9	☐			896.71	0.0048	P	23.3

$$y = 0.0080 * x + 2.4092E-005$$

$$R = 1.0000$$

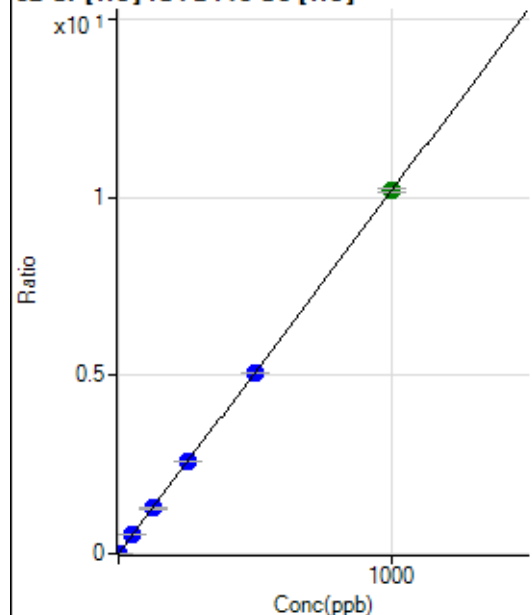
$$DL = 0.004116$$

$$BEC = 0.003002$$

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	815.59	0.0044	P	0.9
2	☐	0.200	0.171	1124.50	0.0061	P	4.0
3	☐	2.000	2.072	4704.14	0.0255	P	1.1
4	☐	50.000	51.083	99095.52	0.5238	P	0.2
5	☐	125.000	125.157	239092.21	1.2771	P	2.0
6	☐	250.000	254.793	473601.37	2.5953	P	0.3
7	☐	500.000	497.599	919674.84	5.0643	P	0.3
8	☐	1000.000	999.928	1842392.49	10.1723	A	1.1
9	☐			7835.54	0.0423	P	1.3

$$y = 0.0102 * x + 0.0044$$

$$R = 1.0000$$

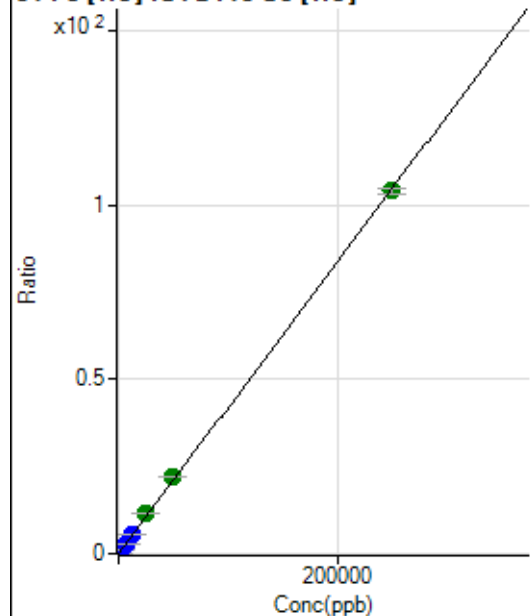
$$DL = 0.01124$$

$$BEC = 0.4322$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	411.12	0.0022	P	8.9
2	☐	5.000	4.905	781.52	0.0043	P	8.7
3	☐	50.000	55.960	4736.05	0.0256	P	1.7
4	☐	2500.000	2768.749	219630.97	1.1610	P	1.1
5	☐	6250.000	6680.438	523940.43	2.7982	P	0.7
6	☐	12500.000	13521.976	1033169.55	5.6617	P	0.4
7	☐	25000.000	27323.804	2077195.42	11.4383	A	0.6
8	☐	50000.000	53322.393	4042745.20	22.3197	A	0.4
9	☐	250000.00	249038.59	19315127.51	104.2345	A	1.5

$$y = 4.1854E-004 * x + 0.0022$$

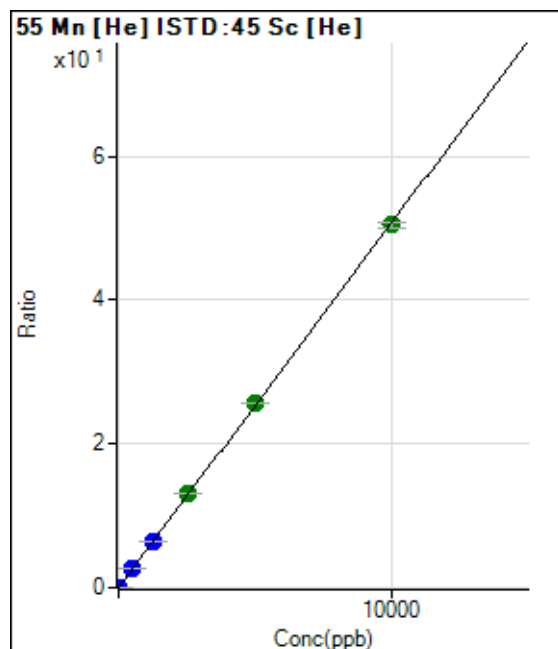
$$R = 0.9999$$

$$DL = 1.415$$

$$BEC = 5.287$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	40.00	0.0002	P	56.6
2	☐	0.100	0.074	108.89	0.0006	P	26.8
3	☐	1.000	1.121	1090.05	0.0059	P	1.5
4	☐	500.000	515.777	494785.37	2.6156	P	0.6
5	☐	1250.000	1253.014	1189599.06	6.3539	P	1.4
6	☐	2500.000	2582.313	2389557.03	13.0944	A	0.1
7	☐	5000.000	5059.446	4658985.55	25.6552	A	0.5
8	☐	10000.000	9948.533	9136432.85	50.4464	A	1.9
9	☐			7845.60	0.0423	P	14.0

$$y = 0.0051 * x + 2.1698E-004$$

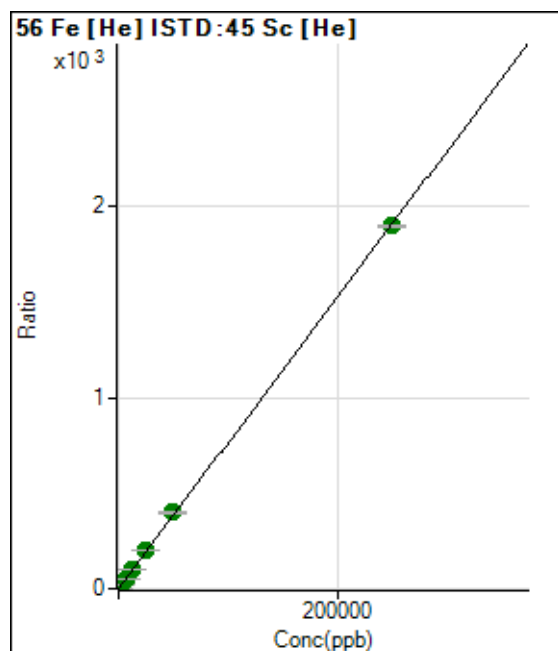
$$R = 0.9999$$

$$DL = 0.07267$$

$$BEC = 0.04279$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	2474.33	0.0133	P	3.1
2	☐	5.000	5.501	10109.29	0.0552	P	2.3
3	☐	50.000	55.562	80563.02	0.4361	P	2.8
4	☐	2500.000	2752.316	3964341.93	20.9573	A	1.5
5	☐	6250.000	6625.617	9442246.16	50.4315	A	1.0
6	☐	12500.000	13641.582	18945694.17	103.8200	A	0.7
7	☐	25000.000	26559.544	36705022.58	202.1203	A	0.9
8	☐	50000.000	52411.283	72236910.87	398.8411	A	1.3
9	☐	250000.00	249292.79	351537900.4	1,897.026	A	0.6

$$y = 0.0076 * x + 0.0133$$

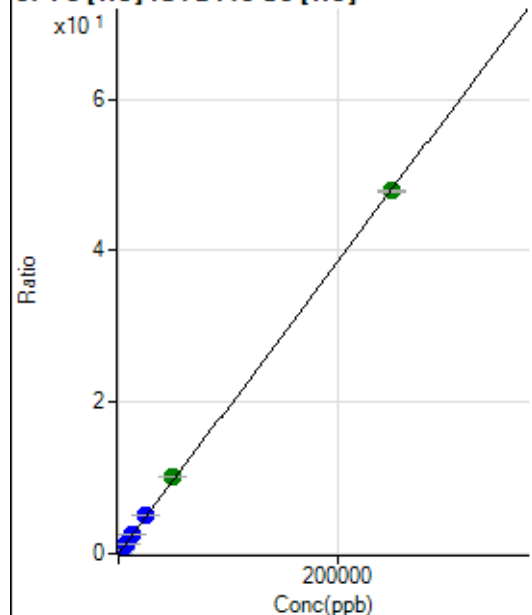
$$R = 0.9999$$

$$DL = 0.1629$$

$$BEC = 1.752$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	61.11	0.0003	P	26.3
2	☐	5.000	5.438	251.86	0.0014	P	11.5
3	☐	50.000	58.500	2137.23	0.0116	P	2.7
4	☐	2500.000	2695.540	98026.86	0.5182	P	0.9
5	☐	6250.000	6540.196	235316.17	1.2568	P	1.3
6	☐	12500.000	13334.069	467552.01	2.5621	P	0.3
7	☐	25000.000	25978.427	906435.29	4.9914	P	0.5
8	☐	50000.000	52897.583	1840770.15	10.1631	A	0.9
9	☐	250000.00	249271.72	8874533.07	47.8910	A	0.6

$$y = 1.9212\text{E-}004 * x + 3.3050\text{E-}004$$

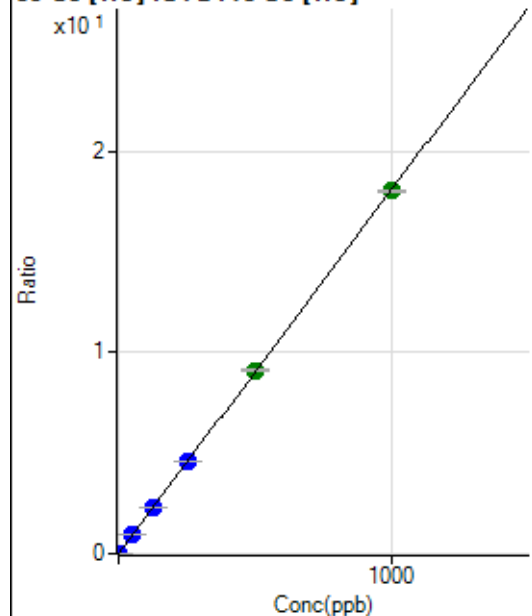
$$R = 0.9999$$

$$DL = 1.358$$

$$BEC = 1.72$$

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	53.34	0.0003	P	23.9
2	☐	0.100	0.100	384.45	0.0021	P	13.4
3	☐	1.000	1.024	3476.02	0.0188	P	3.7
4	☐	50.000	51.956	177972.87	0.9408	P	0.7
5	☐	125.000	124.983	423667.71	2.2628	P	0.9
6	☐	250.000	254.074	839390.07	4.5997	P	0.3
7	☐	500.000	503.837	1656392.76	9.1211	A	0.5
8	☐	1000.000	996.967	3269072.28	18.0481	A	0.7
9	☐			5437.76	0.0293	P	7.4

$$y = 0.0181 * x + 2.8834\text{E-}004$$

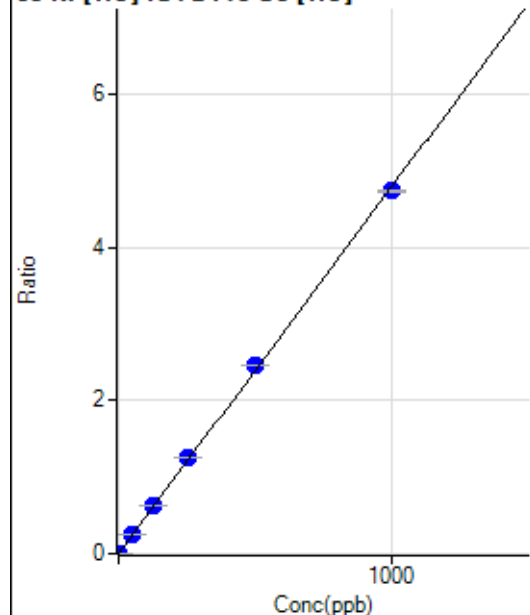
$$R = 1.0000$$

$$DL = 0.01142$$

$$BEC = 0.01593$$

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	30.00	0.0002	P	2.1
2	☐	0.100	0.111	126.67	0.0007	P	21.1
3	☐	1.000	1.093	997.83	0.0054	P	4.0
4	☐	50.000	53.075	48175.73	0.2547	P	1.1
5	☐	125.000	129.760	116525.74	0.6224	P	0.6
6	☐	250.000	263.078	230237.20	1.2616	P	0.6
7	☐	500.000	512.761	446526.66	2.4589	P	0.4
8	☐	1000.000	989.601	859506.63	4.7453	P	0.7
9	☐			2512.47	0.0136	P	7.7

$$y = 0.0048 * x + 1.6170E-004$$

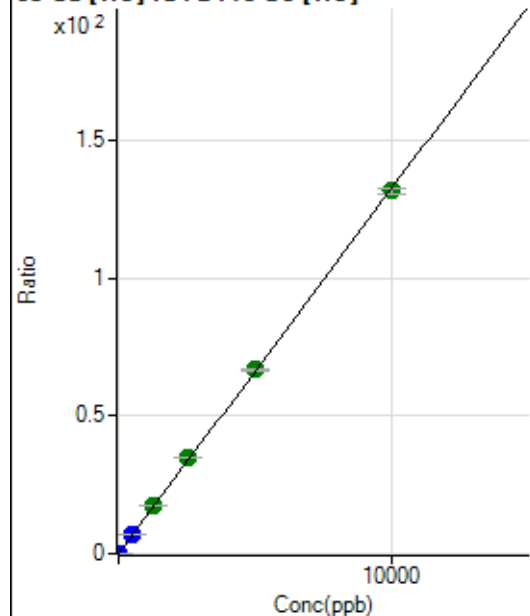
$$R = 0.9998$$

$$DL = 0.002118$$

$$BEC = 0.03372$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	390.01	0.0021	P	12.5
2	☐	0.200	0.203	877.81	0.0048	P	6.0
3	☐	2.000	1.993	5274.36	0.0286	P	4.6
4	☐	500.000	529.114	1328685.83	7.0238	P	0.4
5	☐	1250.000	1304.982	3242826.13	17.3202	A	1.2
6	☐	2500.000	2629.180	6367822.68	34.8933	A	0.7
7	☐	5000.000	5038.503	12142912.60	66.8668	A	1.0
8	☐	10000.000	9940.125	23891243.53	131.9150	A	1.7
9	☐			16270.79	0.0878	P	16.2

$$y = 0.0133 * x + 0.0021$$

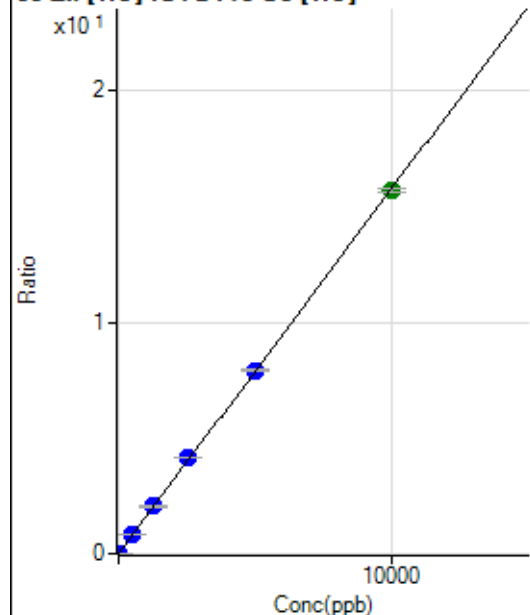
$$R = 0.9999$$

$$DL = 0.05965$$

$$BEC = 0.1586$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	173.34	0.0009	P	15.5
2	☒	0.200					
3	☐	2.000	2.499	901.15	0.0049	P	2.3
4	☐	500.000	532.946	159216.07	0.8417	P	0.6
5	☐	1250.000	1291.474	381621.69	2.0382	P	0.7
6	☐	2500.000	2636.864	759248.76	4.1606	P	1.0
7	☐	5000.000	5029.073	1440880.45	7.9343	P	0.3
8	☐	10000.000	9944.416	2841488.99	15.6883	A	1.0
9	☐			5617.84	0.0303	P	5.5

$$y = 0.0016 * x + 9.3592E-004$$

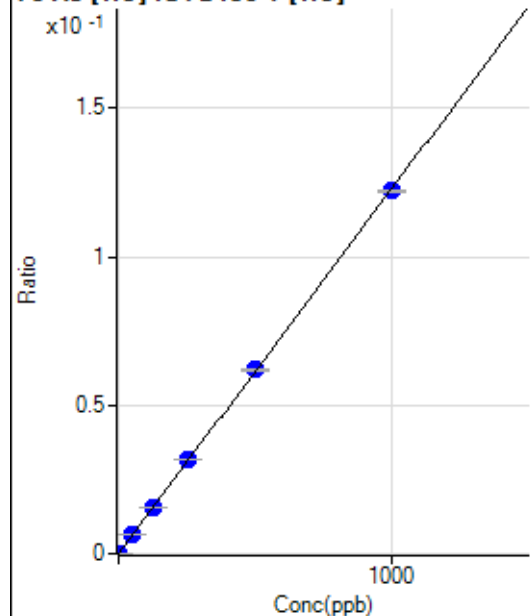
$$R = 0.9999$$

$$DL = 0.2756$$

$$BEC = 0.5933$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	8.00	0.0000	P	54.0
2	☐	0.100	0.090	23.33	0.0000	P	26.1
3	☐	1.000	1.116	201.02	0.0001	P	3.6
4	☐	50.000	51.856	9217.27	0.0064	P	3.2
5	☐	125.000	127.589	22200.59	0.0157	P	0.3
6	☐	250.000	256.341	43953.67	0.0315	P	0.3
7	☐	500.000	505.829	85655.79	0.0621	P	1.1
8	☐	1000.000	995.084	167285.05	0.1222	P	0.8
9	☐			115.01	0.0001	P	29.7

$$y = 1.2278E-004 * x + 5.6682E-006$$

$$R = 1.0000$$

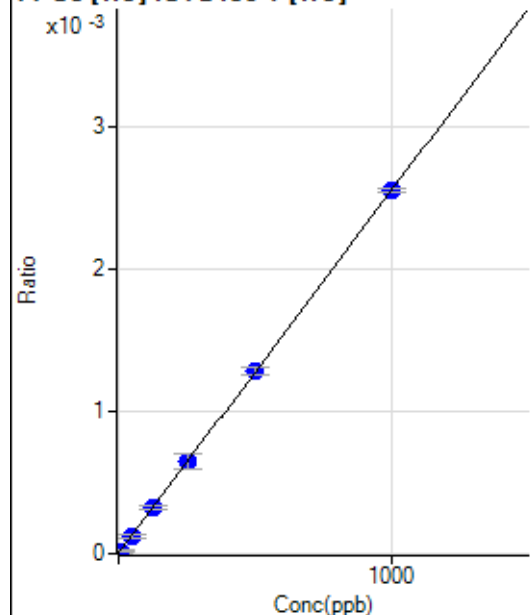
$$DL = 0.07482$$

$$BEC = 0.04617$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3.33	0.0000	P	0.6
2	☐	0.500	0.335	4.44	0.0000	P	173.2
3	☐	5.000	6.515	26.67	0.0000	P	23.3
4	☐	50.000	45.297	171.11	0.0001	P	23.7
5	☐	125.000	126.802	461.13	0.0003	P	9.3
6	☐	250.000	252.691	902.26	0.0006	P	16.5
7	☐	500.000	501.214	1765.69	0.0013	P	4.3
8	☐	1000.000	998.723	3489.36	0.0025	P	1.0
9	☐			3.33	0.0000	P	100.9

$$y = 2.5492\text{E-}006 * x + 2.3627\text{E-}006$$

$$R = 1.0000$$

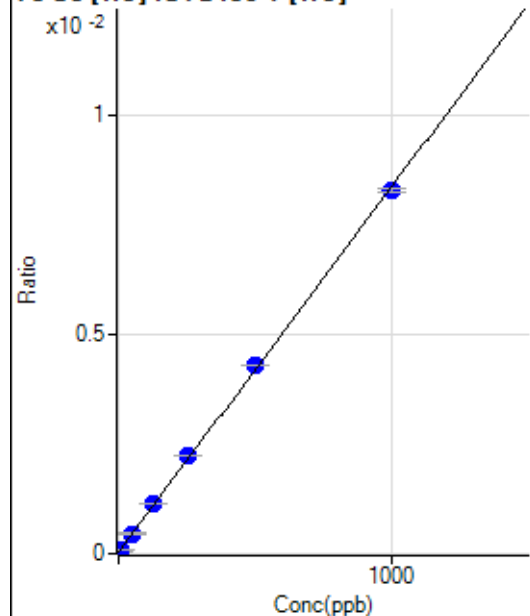
$$DL = 0.0156$$

$$BEC = 0.9268$$

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	48.68	0.0000	P	2.9
2	☐	0.500	-0.296	44.67	0.0000	P	7.5
3	☐	5.000	5.601	114.34	0.0001	P	14.1
4	☐	50.000	50.626	660.75	0.0005	P	4.6
5	☐	125.000	131.924	1607.26	0.0011	P	1.7
6	☐	250.000	263.535	3116.67	0.0022	P	1.2
7	☐	500.000	512.574	5942.19	0.0043	P	0.5
8	☐	1000.000	989.430	11343.37	0.0083	P	0.9
9	☐			53.68	0.0000	P	5.2

$$y = 8.3385\text{E-}006 * x + 3.4540\text{E-}005$$

$$R = 0.9998$$

$$DL = 0.362$$

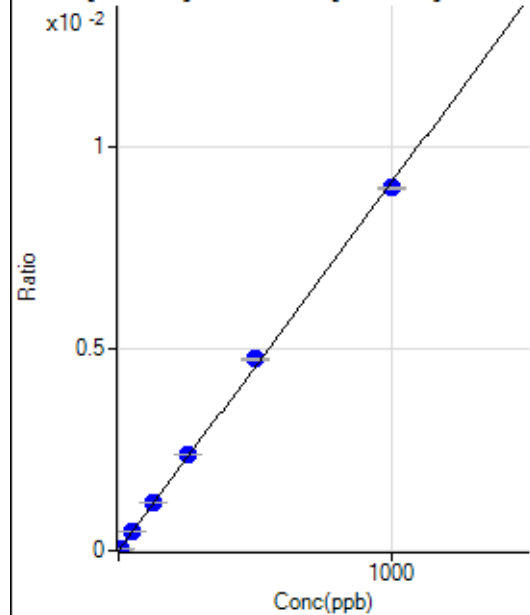
$$BEC = 4.142$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			25329.33		P	3.8
2	☐			25101.52		P	2.5
3	☐			24469.88		P	1.8
4	☐			24603.63		P	1.6
5	☐			24195.80		P	1.9
6	☐			23941.79		P	1.6
7	☐			24142.30		P	2.9
8	☐			23784.73		P	3.9
9	☐			24028.71		P	1.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	0.66	0.0000	P	13556.
2	☒	0.500					
3	☐	5.000	6.149	783.40	0.0001	P	11.6
4	☐	50.000	53.029	7068.91	0.0005	P	1.7
5	☐	125.000	131.437	17290.48	0.0012	P	1.0
6	☐	250.000	261.796	34312.51	0.0024	P	0.7
7	☐	500.000	520.655	67362.37	0.0047	P	0.6
8	☐	1000.000	985.762	128197.18	0.0090	P	0.7
9	☐			116.00	0.0000	P	92.9

$$y = 9.0937E-006 * x + 2.6369E-008$$

$$R = 0.9996$$

$$DL = 1.179$$

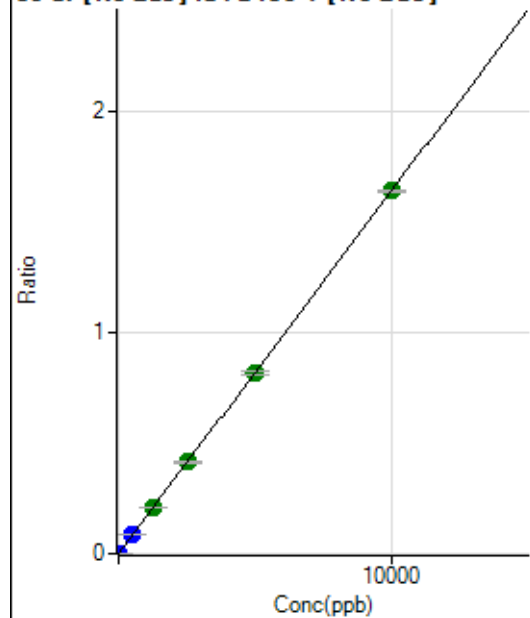
$$BEC = 0.0029$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			998.94		P	1.2
2	☐			972.27		P	3.7
3	☐			918.93		P	4.6
4	☐			946.71		P	7.1
5	☐			1011.16		P	4.8
6	☐			1022.27		P	4.4
7	☐			983.38		P	7.0
8	☐			1037.83		P	4.4
9	☐			1047.83		P	5.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1614.04	0.0001	P	7.1
2	☐	0.100	0.101	1847.39	0.0001	P	4.5
3	☐	1.000	1.116	4159.08	0.0003	P	2.0
4	☐	500.000	507.585	1219795.55	0.0832	P	1.7
5	☐	1250.000	1267.253	3003221.05	0.2076	A	1.2
6	☐	2500.000	2526.171	5962624.14	0.4137	A	1.0
7	☐	5000.000	4982.798	11607973.26	0.8159	A	1.3
8	☐	10000.000	9999.522	23414836.81	1.6373	A	0.4
9	☐			10204.01	0.0008	P	2.7

$$y = 1.6372E-004 * x + 1.1417E-004$$

$$R = 1.0000$$

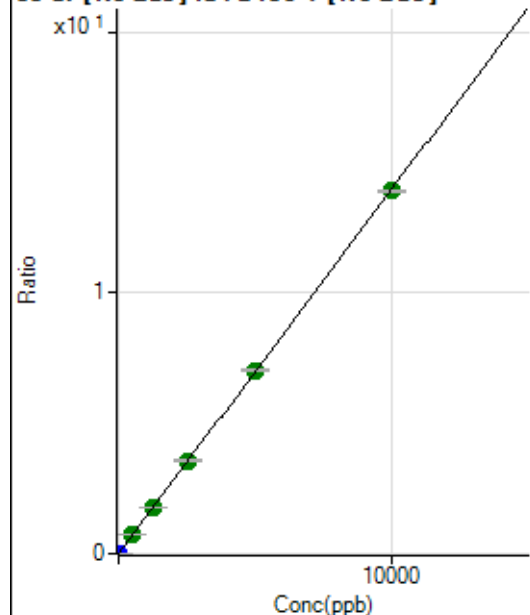
$$DL = 0.1493$$

$$BEC = 0.6973$$

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	155.56	0.0000	P	11.1
2	☐	0.100	0.111	2347.48	0.0002	P	4.6
3	☐	1.000	1.070	21074.79	0.0015	P	2.6
4	☐	500.000	505.613	10349083.48	0.7060	A	0.2
5	☐	1250.000	1273.195	25717238.59	1.7777	A	0.2
6	☐	2500.000	2554.821	51411430.31	3.5672	A	1.6
7	☐	5000.000	5039.579	100109507.1	7.0366	A	0.7
8	☐	10000.000	9963.325	198953255.8	13.9115	A	0.5
9	☐			72511.28	0.0054	P	0.8

$$y = 0.0014 * x + 1.0999E-005$$

$$R = 1.0000$$

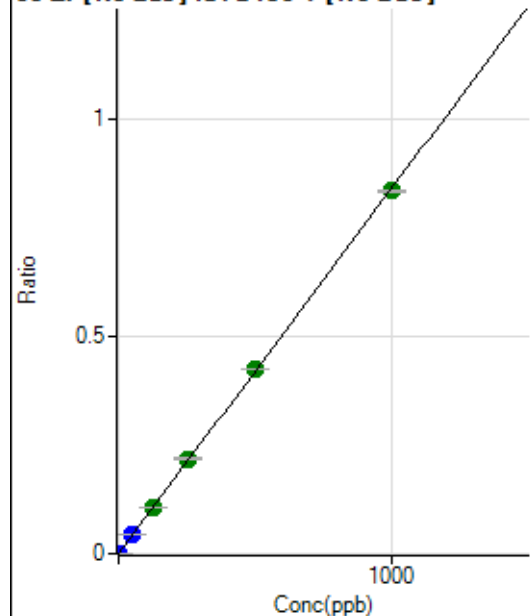
$$DL = 0.002625$$

$$BEC = 0.007877$$

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	794.48	0.0001	P	4.3
2	☐	0.100	0.103	2014.09	0.0001	P	3.3
3	☐	1.000	1.013	12694.98	0.0009	P	4.6
4	☐	50.000	50.667	624146.83	0.0426	P	1.1
5	☐	125.000	126.722	1539299.31	0.1064	A	1.0
6	☐	250.000	259.439	3139064.52	0.2178	A	1.9
7	☐	500.000	507.262	6057797.83	0.4258	A	0.4
8	☐	1000.000	993.761	11928264.59	0.8341	A	0.4
9	☐			3500.53	0.0003	P	3.2

$$y = 8.3927E-004 * x + 5.6155E-005$$

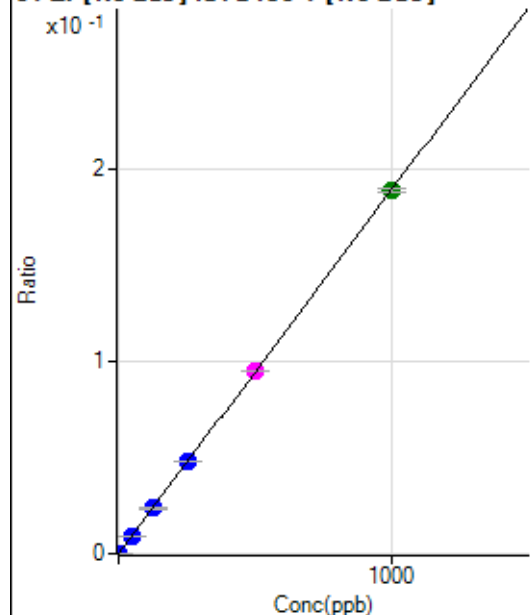
$$R = 0.9999$$

$$DL = 0.008716$$

$$BEC = 0.06691$$

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	152.78	0.0000	P	3.0
2	☐	0.100	0.084	377.79	0.0000	P	17.0
3	☐	1.000	0.993	2786.47	0.0002	P	9.8
4	☐	50.000	50.042	139174.62	0.0095	P	0.4
5	☐	125.000	124.432	341265.58	0.0236	P	0.6
6	☐	250.000	254.713	695851.27	0.0483	P	0.7
7	☐	500.000	502.853	1355904.25	0.0953	M	0.7
8	☐	1000.000	997.464	2703400.30	0.1890	A	1.1
9	☐			727.82	0.0001	P	7.7

$$y = 1.8950E-004 * x + 1.0802E-005$$

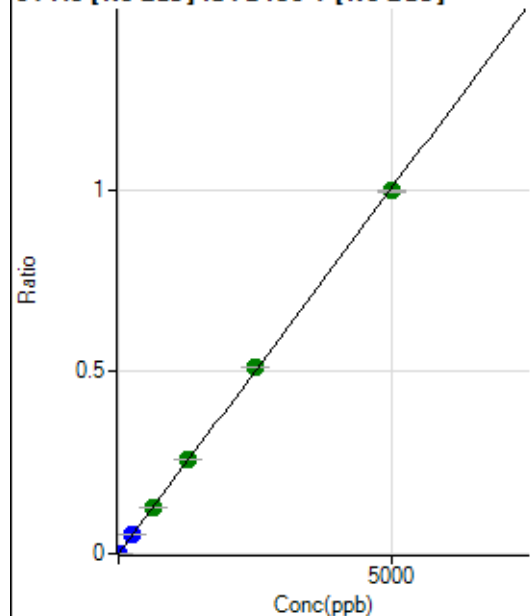
$$R = 1.0000$$

$$DL = 0.005177$$

$$BEC = 0.057$$

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	252.79	0.0000	P	4.0
2	☐	0.500	0.482	1622.36	0.0001	P	3.5
3	☐	5.000	5.264	15069.64	0.0011	P	1.1
4	☐	250.000	254.825	750973.35	0.0512	P	0.3
5	☐	625.000	636.185	1849728.55	0.1279	A	1.2
6	☐	1250.000	1283.910	3719028.95	0.2580	A	0.4
7	☐	2500.000	2550.234	7291801.47	0.5125	A	0.4
8	☐	5000.000	4964.766	14268723.76	0.9978	A	0.7
9	☐			4981.59	0.0004	P	1.9

$$y = 2.0096E-004 * x + 1.7868E-005$$

$$R = 0.9999$$

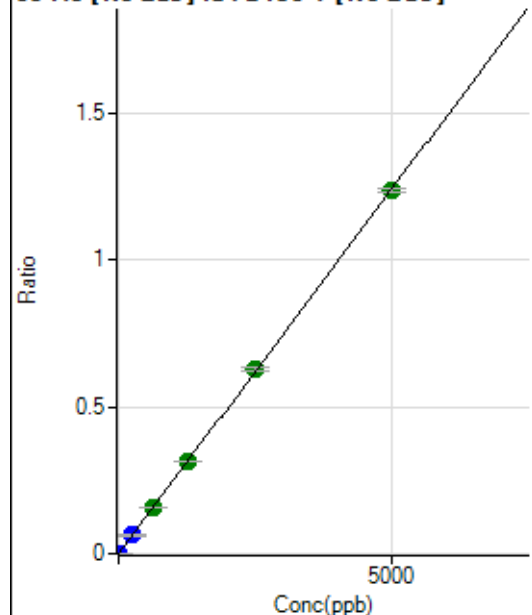
$$DL = 0.01059$$

$$BEC = 0.08891$$

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	33.33	0.0000	P	1.2
2	☐	0.500	0.486	1736.26	0.0001	P	4.7
3	☐	5.000	5.162	17950.86	0.0013	P	4.7
4	☐	250.000	252.043	915720.24	0.0625	P	1.2
5	☐	625.000	632.379	2267293.65	0.1567	A	1.2
6	☐	1250.000	1267.047	4526231.31	0.3140	A	0.3
7	☐	2500.000	2529.620	8919609.23	0.6270	A	1.6
8	☐	5000.000	4979.903	17651540.67	1.2343	A	1.1
9	☐			6004.24	0.0004	P	4.0

$$y = 2.4785E-004 * x + 2.3567E-006$$

$$R = 1.0000$$

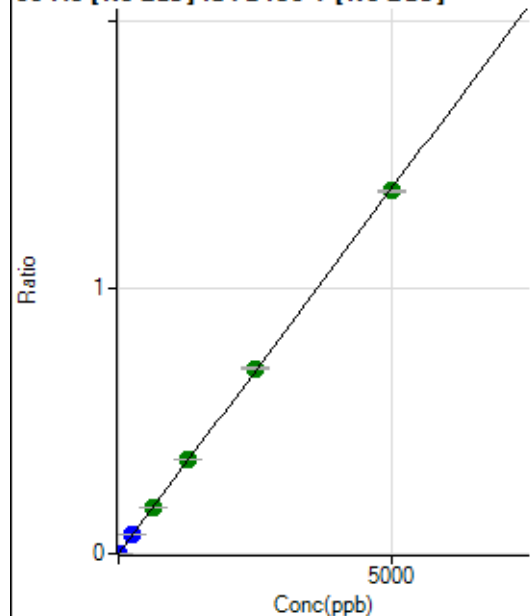
$$DL = 0.0003519$$

$$BEC = 0.009509$$

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	127.78	0.0000	P	19.1
2	☐	0.500	0.506	2089.11	0.0001	P	9.5
3	☐	5.000	5.163	19981.55	0.0014	P	3.2
4	☐	250.000	251.473	1011990.22	0.0690	P	1.0
5	☐	625.000	637.267	2530630.09	0.1749	A	0.4
6	☐	1250.000	1288.356	5097127.46	0.3537	A	0.2
7	☐	2500.000	2538.183	9911954.91	0.6967	A	1.3
8	☐	5000.000	4969.712	19508949.91	1.3641	A	0.4
9	☐			14505.18	0.0011	P	4.9

$$y = 2.7449E-004 * x + 9.0229E-006$$

$$R = 0.9999$$

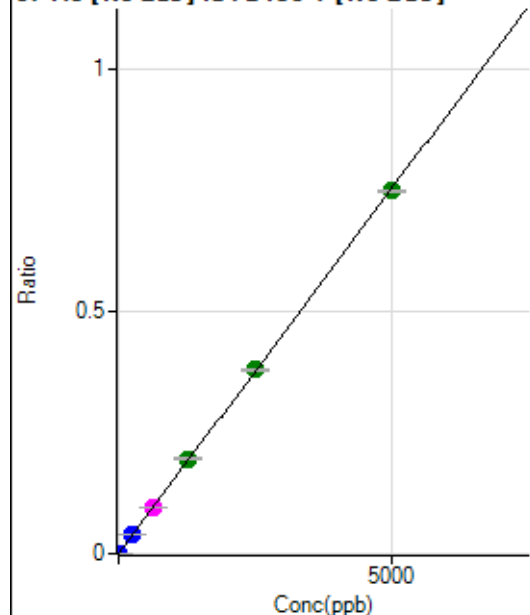
$$DL = 0.01879$$

$$BEC = 0.03287$$

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	36.11	0.0000	P	14.6
2	☐	0.500	0.496	1091.74	0.0001	P	15.7
3	☐	5.000	5.150	10915.71	0.0008	P	0.3
4	☐	250.000	255.277	564338.49	0.0385	P	1.4
5	☐	625.000	642.413	1401509.42	0.0969	M	0.9
6	☐	1250.000	1301.385	2828604.75	0.1963	A	1.2
7	☐	2500.000	2524.649	5416877.90	0.3807	A	1.2
8	☐	5000.000	4972.389	10723849.72	0.7499	A	0.6
9	☐			3578.35	0.0003	P	6.0

$$y = 1.5081\text{E-}004 * x + 2.5560\text{E-}006$$

$$R = 0.9999$$

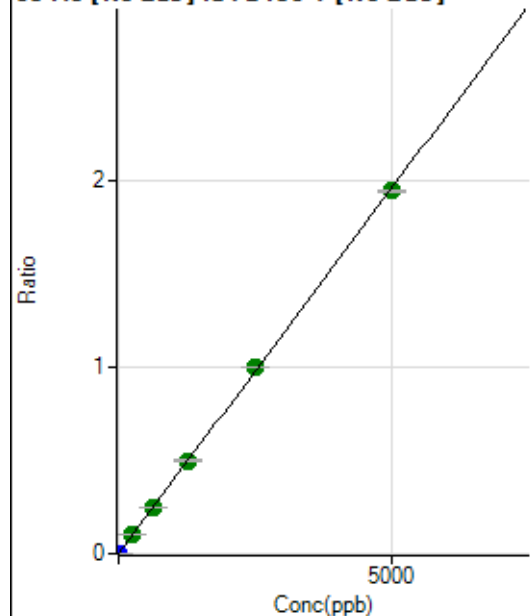
$$DL = 0.00743$$

$$BEC = 0.01695$$

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	88.89	0.0000	P	24.7
2	☐	0.500	0.493	2817.01	0.0002	P	3.5
3	☐	5.000	5.227	28763.77	0.0021	P	2.4
4	☐	250.000	254.251	1459585.71	0.0996	A	0.8
5	☐	625.000	632.279	3581878.16	0.2476	A	0.7
6	☐	1250.000	1276.441	7204041.83	0.4999	A	2.0
7	☐	2500.000	2549.891	14206537.82	0.9986	A	0.2
8	☐	5000.000	4967.322	27818876.66	1.9452	A	0.2
9	☐			8800.26	0.0007	P	3.7

$$y = 3.9160\text{E-}004 * x + 6.2967\text{E-}006$$

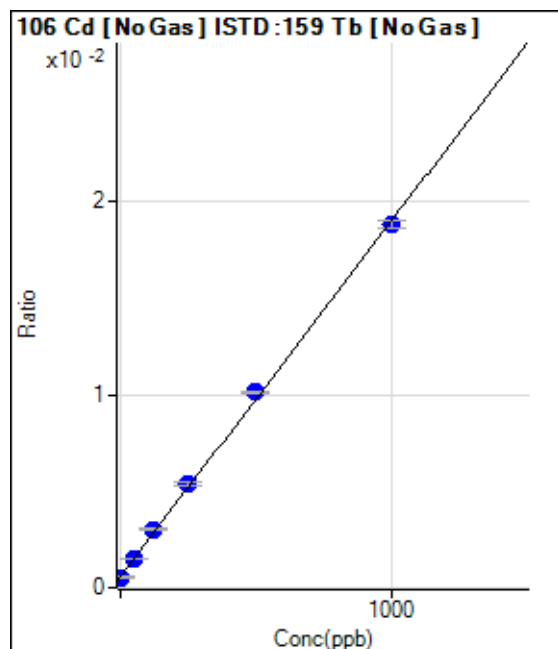
$$R = 0.9999$$

$$DL = 0.01192$$

$$BEC = 0.01608$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	4823.21	0.0005	P	5.1
2	☐	0.100	-1.274	4612.03	0.0005	P	3.6
3	☐	1.000	-0.302	4759.28	0.0005	P	6.2
4	☐	50.000	53.705	14143.73	0.0015	P	1.3
5	☐	125.000	133.826	27884.35	0.0030	P	2.9
6	☐	250.000	261.506	50757.80	0.0054	P	3.1
7	☐	500.000	517.713	94073.78	0.0101	P	0.4
8	☐	1000.000	986.980	178690.21	0.0188	P	2.3
9	☐			4267.45	0.0005	P	2.3

$$y = 1.8484\text{E-}005 * x + 5.3716\text{E-}004$$

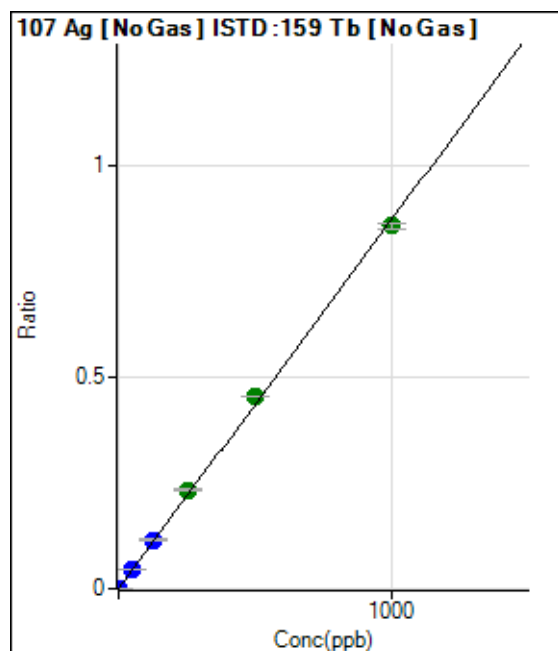
$$R = 0.9997$$

$$DL = 4.459$$

$$BEC = 29.06$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	72.22	0.0000	P	40.3
2	☐	0.100	0.099	847.27	0.0001	P	1.8
3	☐	1.000	1.040	8208.26	0.0009	P	3.5
4	☐	50.000	54.278	438340.59	0.0474	P	1.4
5	☐	125.000	132.635	1073105.69	0.1159	P	1.9
6	☐	250.000	268.010	2212611.38	0.2341	A	0.7
7	☐	500.000	521.850	4242787.03	0.4558	A	0.7
8	☐	1000.000	983.404	8173820.41	0.8590	A	1.3
9	☐			2983.74	0.0003	P	2.7

$$y = 8.7345\text{E-}004 * x + 8.0358\text{E-}006$$

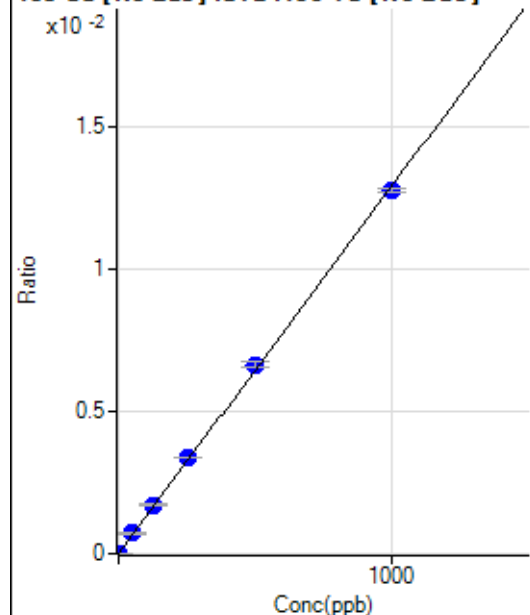
$$R = 0.9995$$

$$DL = 0.01111$$

$$BEC = 0.0092$$

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	34.72	0.0000	P	14.0
2	☐	0.100	0.072	43.05	0.0000	P	38.7
3	☐	1.000	1.132	165.28	0.0000	P	9.1
4	☐	50.000	54.887	6571.09	0.0007	P	2.1
5	☐	125.000	133.221	15931.55	0.0017	P	1.5
6	☐	250.000	261.451	31866.22	0.0034	P	1.5
7	☐	500.000	515.576	61842.03	0.0066	P	2.5
8	☐	1000.000	988.077	121160.24	0.0127	P	0.9
9	☐			140.28	0.0000	P	8.8

$$y = 1.2881\text{E-}005 * x + 3.8684\text{E-}006$$

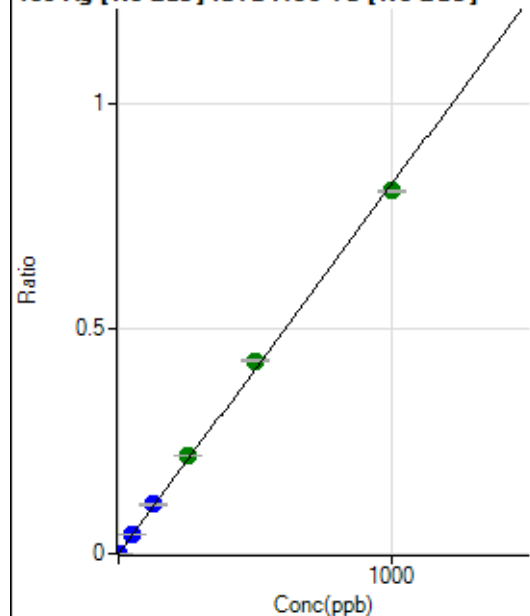
$$R = 0.9997$$

$$DL = 0.1259$$

$$BEC = 0.3003$$

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	19.45	0.0000	P	107.6
2	☐	0.100	0.095	719.48	0.0001	P	12.3
3	☐	1.000	1.036	7632.87	0.0009	P	1.0
4	☐	50.000	54.135	410720.69	0.0444	P	2.0
5	☐	125.000	133.283	1013150.64	0.1094	P	2.0
6	☐	250.000	267.569	2075446.36	0.2196	A	0.5
7	☐	500.000	522.541	3991929.30	0.4288	A	1.1
8	☐	1000.000	983.095	7678196.79	0.8068	A	0.7
9	☐			3039.32	0.0004	P	7.9

$$y = 8.2068\text{E-}004 * x + 2.1682\text{E-}006$$

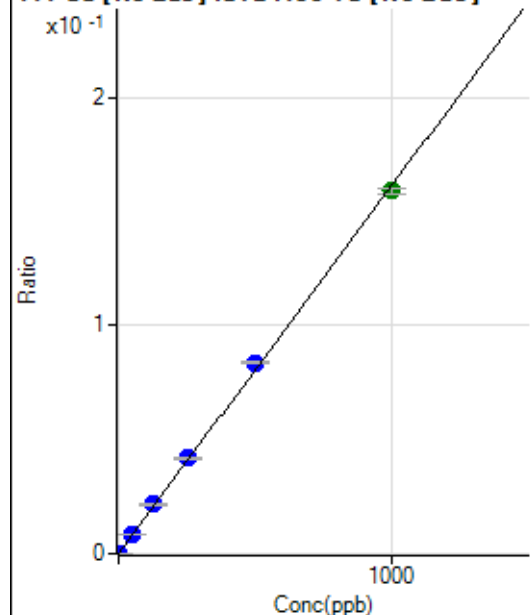
$$R = 0.9994$$

$$DL = 0.008525$$

$$BEC = 0.002642$$

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	232.13	0.0000	P	7.7
2	☐	0.100	0.093	367.14	0.0000	P	10.2
3	☐	1.000	1.035	1725.15	0.0002	P	3.7
4	☐	50.000	54.296	81129.36	0.0088	P	1.0
5	☐	125.000	133.279	199167.39	0.0215	P	1.7
6	☐	250.000	259.423	395341.42	0.0418	P	0.7
7	☐	500.000	519.699	779734.08	0.0838	P	0.8
8	☐	1000.000	986.545	1513003.34	0.1590	A	1.5
9	☐			499.91	0.0001	P	5.4

$$y = 1.6114\text{E-}004 * x + 2.5849\text{E-}005$$

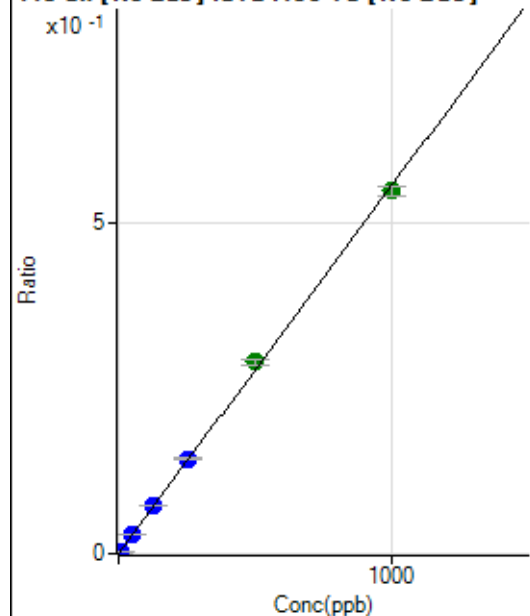
$$R = 0.9997$$

$$DL = 0.03683$$

$$BEC = 0.1604$$

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	733.37	0.0001	P	3.8
2	☐	0.500	0.500	3222.69	0.0004	P	2.2
3	☐	5.000	5.302	27063.36	0.0030	P	1.3
4	☐	50.000	53.093	272998.64	0.0295	P	0.9
5	☐	125.000	130.308	670216.16	0.0724	P	1.3
6	☐	250.000	258.699	1356852.52	0.1436	P	0.7
7	☐	500.000	521.074	2690254.21	0.2891	A	3.2
8	☐	1000.000	986.469	5206506.89	0.5472	A	2.5
9	☐			2928.17	0.0003	P	8.7

$$y = 5.5463\text{E-}004 * x + 8.1701\text{E-}005$$

$$R = 0.9996$$

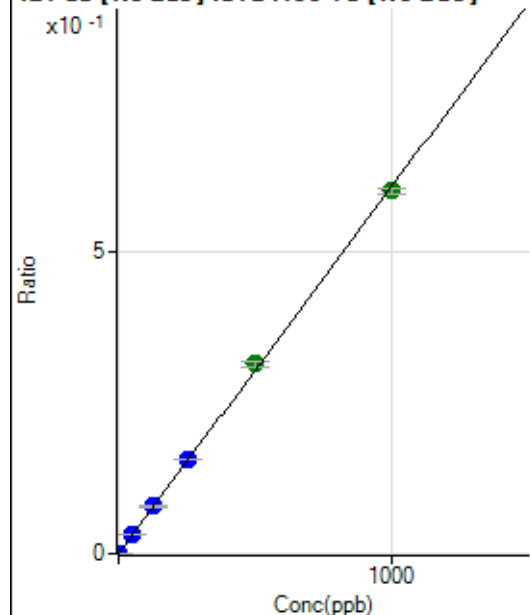
$$DL = 0.017$$

$$BEC = 0.1473$$

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	33.33	0.0000	P	90.0
2	☐	0.200	0.213	1197.31	0.0001	P	16.1
3	☐	2.000	2.189	11972.27	0.0013	P	1.1
4	☐	50.000	52.242	294240.04	0.0318	P	0.9
5	☐	125.000	128.898	727378.98	0.0785	P	1.4
6	☐	250.000	258.435	1487986.05	0.1574	P	0.0
7	☐	500.000	516.844	2930274.39	0.3149	A	2.3
8	☐	1000.000	988.870	5732026.95	0.6024	A	1.9
9	☐			4045.15	0.0005	P	8.6

$$y = 6.0917\text{E-}004 * x + 3.7143\text{E-}006$$

$$R = 0.9998$$

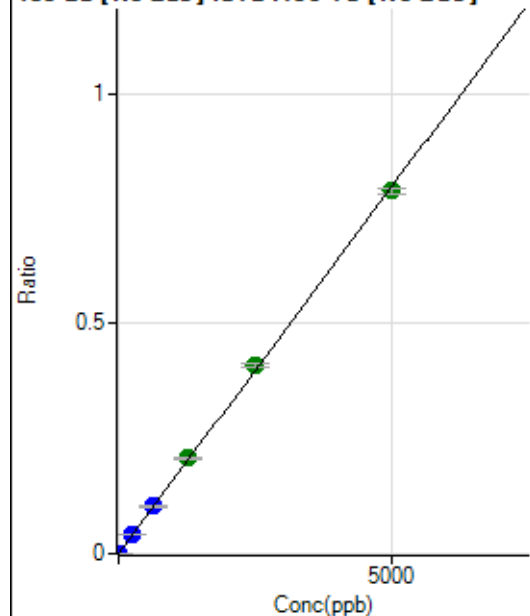
$$DL = 0.01645$$

$$BEC = 0.006097$$

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	11.11	0.0000	P	42.8
2	☐	1.000	0.975	1405.67	0.0002	P	8.2
3	☐	10.000	10.475	14944.73	0.0017	P	2.8
4	☐	250.000	257.668	379266.43	0.0410	P	1.4
5	☐	625.000	643.263	948755.34	0.1024	P	1.6
6	☐	1250.000	1307.727	1968020.31	0.2082	A	1.8
7	☐	2500.000	2569.337	3807393.44	0.4091	A	2.4
8	☐	5000.000	4948.233	7497373.43	0.7879	A	1.4
9	☐			3094.88	0.0004	P	3.0

$$y = 1.5922\text{E-}004 * x + 1.2360\text{E-}006$$

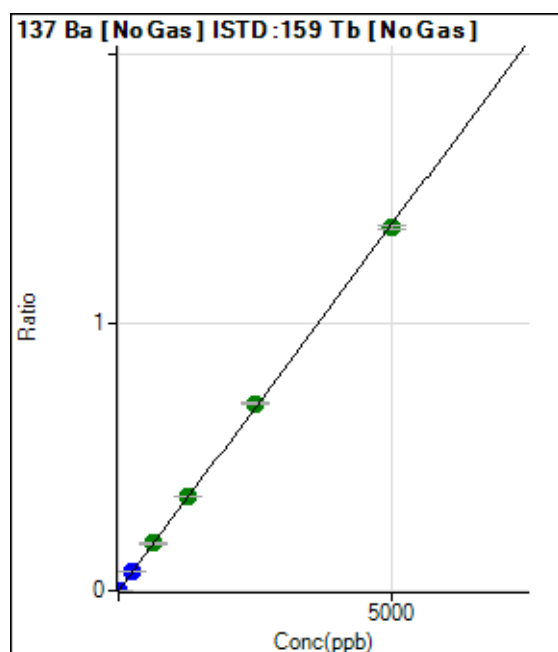
$$R = 0.9998$$

$$DL = 0.009974$$

$$BEC = 0.007763$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	11.11	0.0000	P	44.0
2	☐	1.000	1.086	2675.34	0.0003	P	2.0
3	☐	10.000	10.790	26401.38	0.0029	P	3.0
4	☐	250.000	258.696	653241.70	0.0707	P	1.6
5	☐	625.000	644.265	1630165.71	0.1760	A	1.0
6	☐	1250.000	1291.058	3333083.41	0.3527	A	0.4
7	☐	2500.000	2560.780	6510235.30	0.6995	A	1.8
8	☐	5000.000	4956.501	12883927.81	1.3539	A	1.1
9	☐			5140.01	0.0006	P	8.2

$$y = 2.7315E-004 * x + 1.2396E-006$$

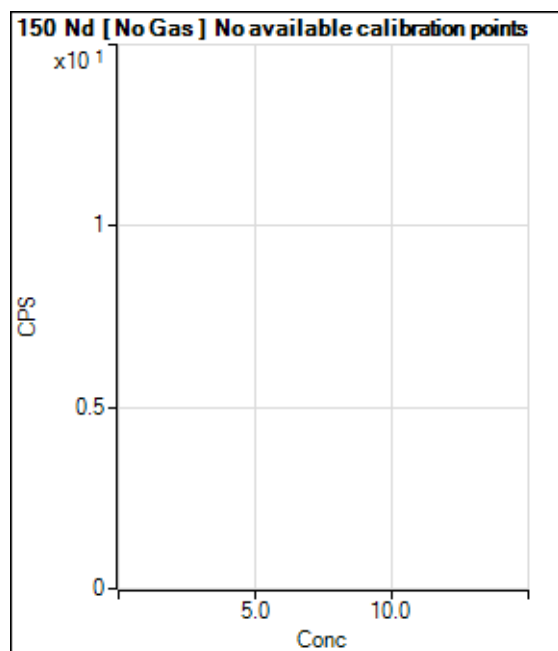
$$R = 0.9999$$

$$DL = 0.005989$$

$$BEC = 0.004538$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			6.67		P	100.0
2	☐			8.89		P	43.3
3	☐			6.67		P	173.2
4	☐			26.67		P	66.1
5	☐			71.11		P	37.9
6	☐			106.67		P	41.0
7	☐			233.34		P	15.9
8	☐			491.13		P	16.2
9	☐			46.67		P	28.6

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			1.11		P	173.2
2	☐			1.11		P	173.2
3	☐			2.22		P	86.6
4	☐			5.55		P	69.3
5	☐			2.22		P	86.6
6	☐			8.89		P	21.6
7	☐			15.56		P	32.7
8	☐			38.89		P	54.4
9	☐			20.00		P	33.4

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			5.55		P	86.6
2	☐			13.89		P	69.3
3	☐			8.33		P	100.0
4	☐			33.33		P	50.0
5	☐			38.89		P	49.5
6	☐			116.67		P	7.1
7	☐			219.45		P	8.8
8	☐			380.57		P	21.9
9	☐			1500.13		P	4.0

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			3.33		P	100.1
2	☐			0.00		P	
3	☐			2.22		P	86.6
4	☐			12.22		P	41.7
5	☐			22.22		P	37.8
6	☐			33.33		P	34.6
7	☐			70.00		P	25.2
8	☐			158.89		P	12.6
9	☐			802.26		P	3.3

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			72.22		P	35.2
2	☐			63.89		P	30.1
3	☐			38.89		P	49.5
4	☐			100.00		P	22.0
5	☐			111.12		P	22.9
6	☐			127.78		P	10.0
7	☐			272.23		P	22.1
8	☐			438.91		P	15.8
9	☐			1714.05		P	6.9

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			24.45		P	92.8
2	☐			23.33		P	28.6
3	☐			34.45		P	31.1
4	☐			40.00		P	14.4
5	☐			52.22		P	22.4
6	☐			71.11		P	16.5
7	☐			118.89		P	25.1
8	☐			202.23		P	8.1
9	☐			828.92		P	7.5

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			38.89		P	44.6
2	☐			55.56		P	17.3
3	☐			47.22		P	10.2
4	☐			66.67		P	0.0
5	☐			55.55		P	37.8
6	☐			66.67		P	12.5
7	☐			111.12		P	18.9
8	☐			102.78		P	37.5
9	☐			286.12		P	3.4

164 Er [He] No available calibration points

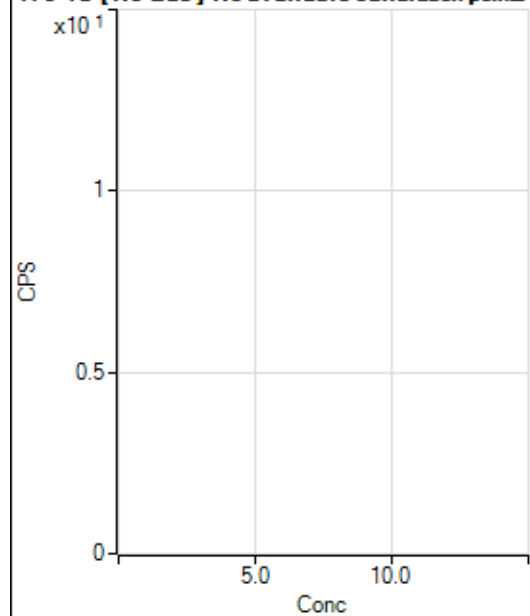
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			22.22		P	22.9
2	☐			24.44		P	51.6
3	☐			32.22		P	15.8
4	☐			28.89		P	17.6
5	☐			41.11		P	28.5
6	☐			23.33		P	37.8
7	☐			46.67		P	12.4
8	☐			56.67		P	25.6
9	☐			101.11		P	5.0

172 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			16.67		P	50.0
2	☐			13.89		P	69.3
3	☐			22.22		P	57.3
4	☐			11.11		P	43.3
5	☐			27.78		P	17.3
6	☐			22.22		P	21.6
7	☐			36.11		P	35.3
8	☐			38.89		P	32.7
9	☐			52.78		P	18.2

172 Yb [He] No available calibration points

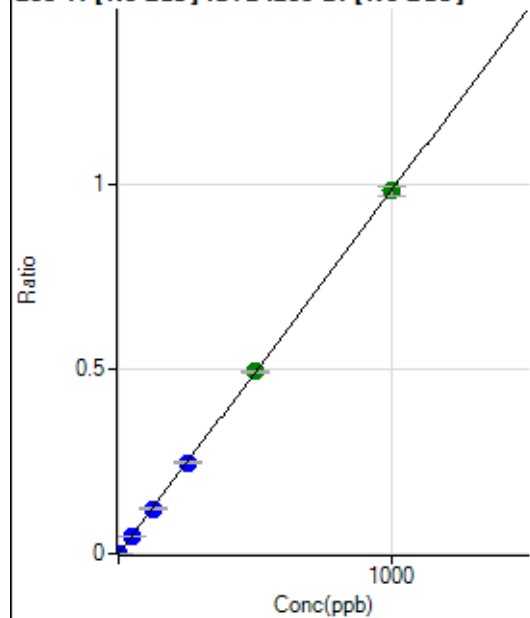
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			12.96		P	107.9
2	☐			9.26		P	69.2
3	☐			18.52		P	17.3
4	☐			5.56		P	100.0
5	☐			14.82		P	57.3
6	☐			22.22		P	43.3
7	☐			14.81		P	43.3
8	☐			22.22		P	43.3
9	☐			35.19		P	63.8

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			1500.13		P	11.2
2	☐			1616.81		P	6.5
3	☐			1527.91		P	7.5
4	☐			1564.02		P	14.0
5	☐			1472.36		P	6.6
6	☐			1580.71		P	2.9
7	☐			1522.36		P	7.8
8	☐			1555.69		P	6.4
9	☐			1372.33		P	8.4

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			1022.28		P	11.6
2	☐			900.05		P	2.8
3	☐			825.96		P	3.5
4	☐			848.19		P	1.0
5	☐			848.19		P	1.6
6	☐			744.48		P	10.0
7	☐			716.70		P	7.9
8	☐			685.22		P	5.4
9	☐			818.56		P	3.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	552.80	0.0001	P	18.4
2	☐	0.100	0.118	1113.97	0.0002	P	8.5
3	☐	1.000	1.021	5329.03	0.0011	P	1.0
4	☐	50.000	49.149	233957.18	0.0485	P	2.3
5	☐	125.000	123.435	597345.00	0.1216	P	1.7
6	☐	250.000	249.655	1215399.74	0.2458	P	1.6
7	☐	500.000	502.224	2437223.56	0.4943	A	0.8
8	☐	1000.000	999.213	4803173.07	0.9834	A	2.4
9	☐			1769.62	0.0004	P	8.4

$$y = 9.8405E-004 * x + 1.1678E-004$$

$$R = 1.0000$$

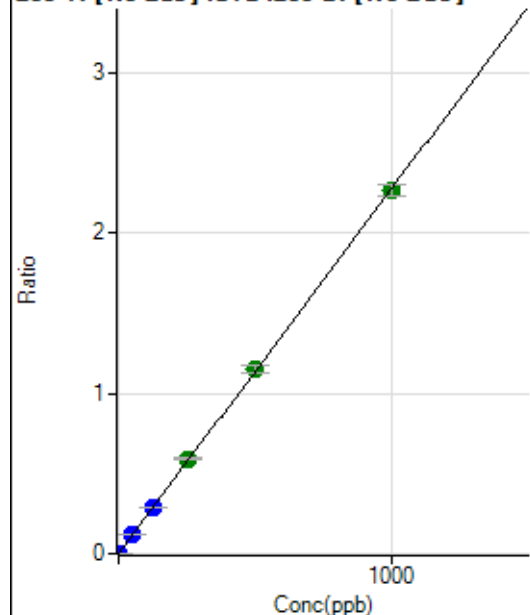
$$DL = 0.06534$$

$$BEC = 0.1187$$

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	1477.90	0.0003	P	8.6
2	☐	0.100	0.086	2422.53	0.0005	P	8.2
3	☐	1.000	1.003	12314.51	0.0026	P	1.3
4	☐	50.000	50.961	560376.03	0.1162	P	3.7
5	☐	125.000	126.560	1414979.38	0.2880	P	1.5
6	☐	250.000	259.105	2913962.61	0.5893	A	1.5
7	☐	500.000	505.953	5672219.01	1.1504	A	3.1
8	☐	1000.000	994.504	11040829.76	2.2609	A	3.2
9	☐			4034.09	0.0010	P	3.0

$$y = 0.0023 * x + 3.1223E-004$$

$$R = 0.9999$$

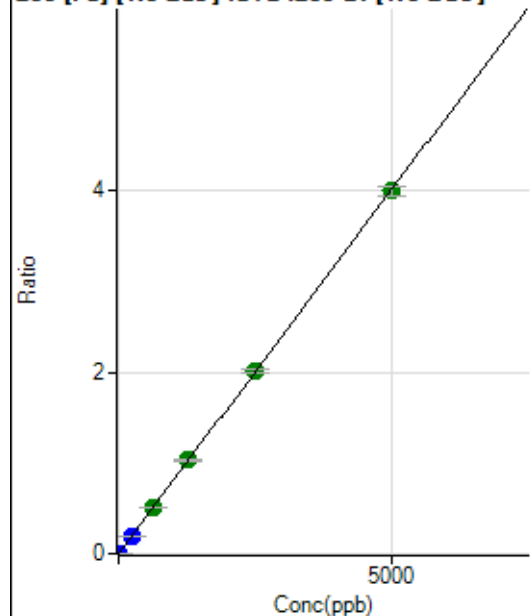
$$DL = 0.03553$$

$$BEC = 0.1374$$

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	459.28	0.0001	P	11.2
2	☐	0.100	0.080	772.26	0.0002	P	8.1
3	☐	1.000	1.053	4473.08	0.0009	P	5.1
4	☐	250.000	244.755	947937.79	0.1964	P	1.5
5	☐	625.000	632.600	2494167.79	0.5075	A	0.7
6	☐	1250.000	1281.670	5084326.10	1.0281	A	1.2
7	☐	2500.000	2513.451	9940938.30	2.0162	A	2.1
8	☐	5000.000	4984.669	19527588.40	3.9984	A	2.4
9	☐			18109.20	0.0043	P	4.3

$$y = 8.0212E-004 * x + 9.7005E-005$$

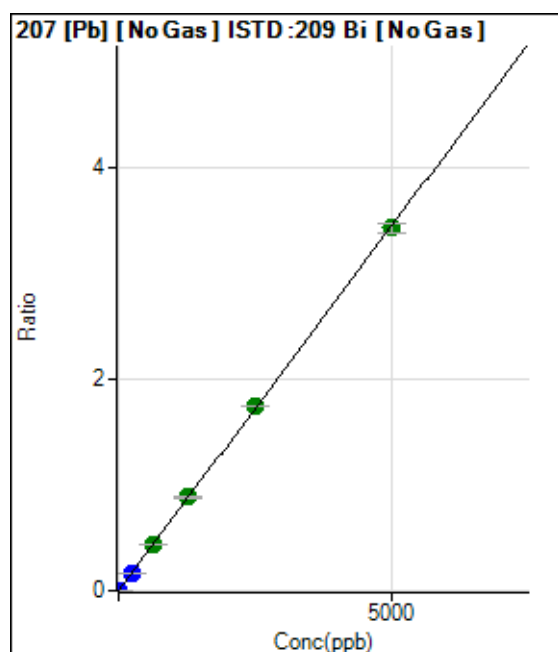
$$R = 1.0000$$

$$DL = 0.04071$$

$$BEC = 0.1209$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	372.24	0.0001	P	14.8
2	☐	0.100	0.101	707.44	0.0001	P	11.7
3	☐	1.000	1.040	3776.55	0.0008	P	1.8
4	☐	250.000	247.766	824056.95	0.1707	P	1.4
5	☐	625.000	625.007	2115297.39	0.4305	A	1.3
6	☐	1250.000	1287.769	4385849.72	0.8870	A	1.8
7	☐	2500.000	2529.468	8589233.87	1.7421	A	0.8
8	☐	5000.000	4975.934	16736522.13	3.4270	A	2.5
9	☐			16115.81	0.0038	P	6.2

$$y = 6.8870\text{E-}004 * x + 7.8673\text{E-}005$$

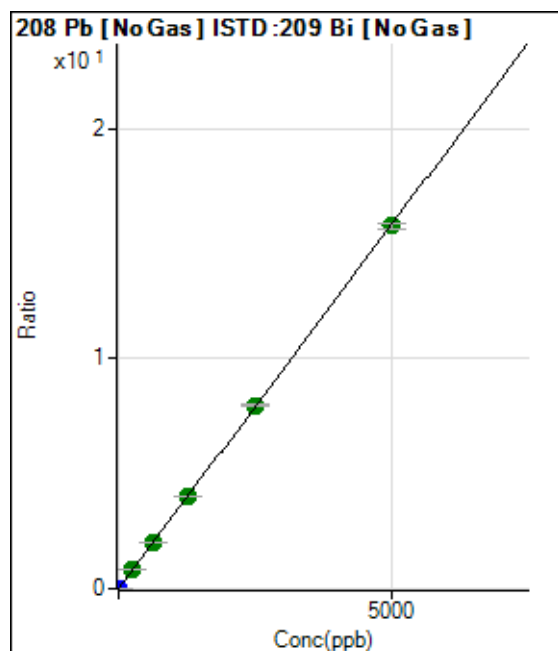
$$R = 0.9999$$

$$DL = 0.05082$$

$$BEC = 0.1142$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1657.48	0.0003	P	10.1
2	☐	0.100	0.089	3013.15	0.0006	P	2.1
3	☐	1.000	1.056	17517.94	0.0037	P	1.5
4	☐	250.000	252.692	3858144.45	0.7993	A	0.4
5	☐	625.000	629.440	9779676.52	1.9905	A	1.5
6	☐	1250.000	1272.868	19904285.89	4.0248	A	0.8
7	☐	2500.000	2521.336	39305648.57	7.9722	A	0.8
8	☐	5000.000	4982.926	76954221.63	15.7551	A	1.4
9	☐			72658.04	0.0172	P	4.3

$$y = 0.0032 * x + 3.4987\text{E-}004$$

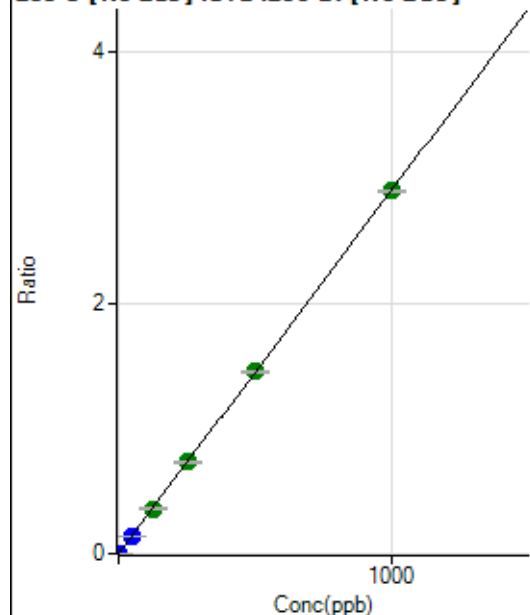
$$R = 1.0000$$

$$DL = 0.03355$$

$$BEC = 0.1107$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	13.89	0.0000	P	123.6
2	☐	0.100	0.092	1283.44	0.0003	P	9.1
3	☐	1.000	0.973	13401.89	0.0028	P	3.1
4	☐	50.000	48.415	676760.11	0.1402	P	1.1
5	☐	125.000	122.996	1750040.38	0.3562	A	2.3
6	☐	250.000	251.647	3603994.22	0.7288	A	1.5
7	☐	500.000	502.494	7174982.97	1.4553	A	0.9
8	☐	1000.000	998.671	14128580.01	2.8923	A	0.6
9	☐			2508.65	0.0006	P	6.4

$$y = 0.0029 * x + 2.9167E-006$$

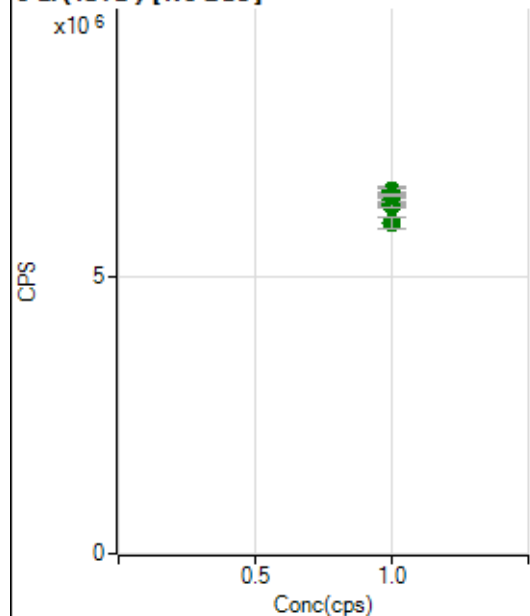
$$R = 1.0000$$

$$DL = 0.003734$$

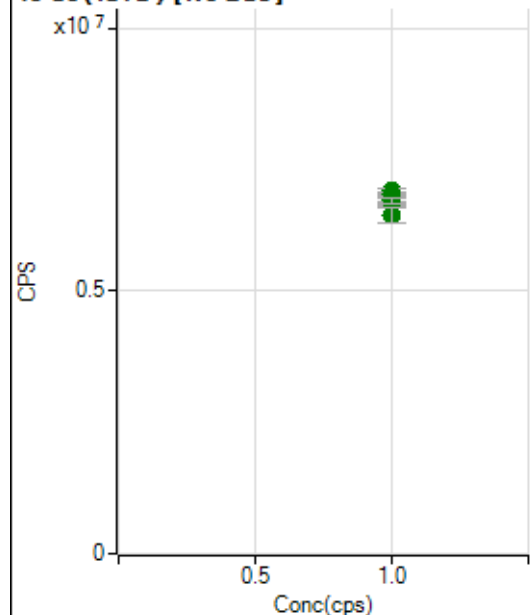
$$BEC = 0.001007$$

Weight: <None>

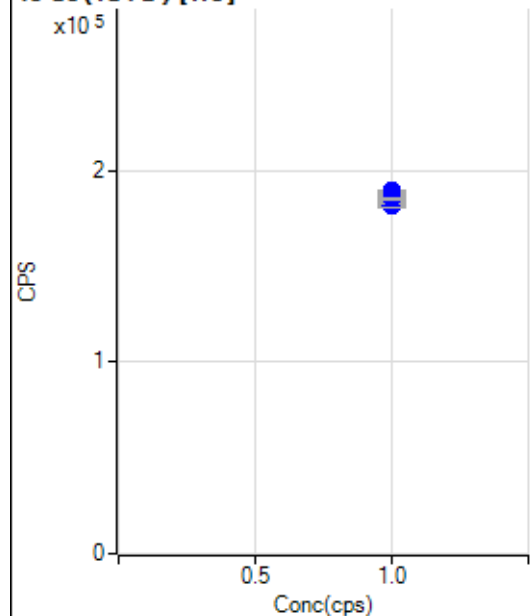
Min Conc: 0

6 Li (ISTD) [No Gas]

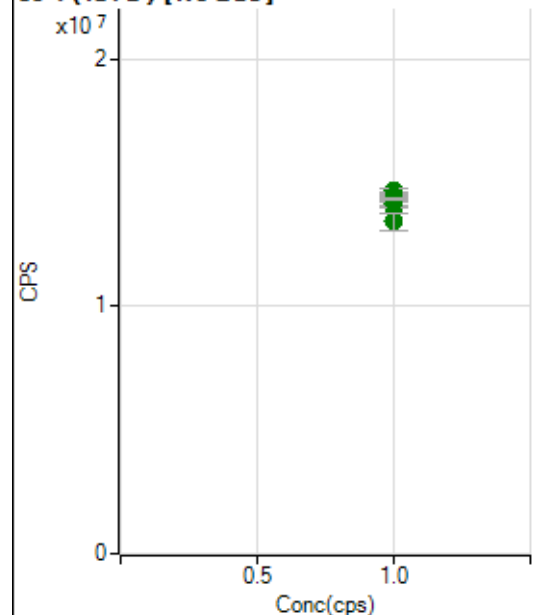
	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	1.000		6385198.67		A	1.1
2	☐	1.000		6342619.43		A	1.3
3	☐	1.000		6303688.22		A	1.5
4	☐	1.000		6564905.09		A	2.0
5	☐	1.000		6506447.08		A	0.8
6	☐	1.000		6554889.68		A	2.0
7	☐	1.000		6532713.24		A	2.8
8	☐	1.000		6487324.07		A	0.5
9	☐	1.000		5986048.18		A	4.0

45 Sc (ISTD) [No Gas]

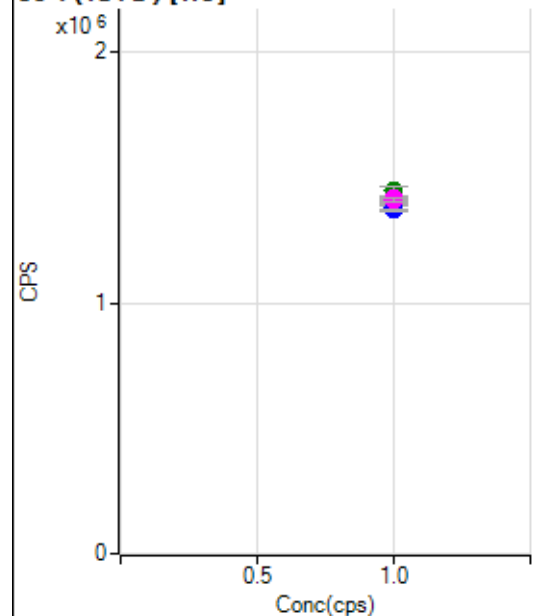
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		6756436.08		A	1.6
2	☐	1.000		6764379.69		A	2.5
3	☐	1.000		6662960.32		A	0.9
4	☐	1.000		6908530.25		A	1.5
5	☐	1.000		6842291.15		A	1.7
6	☐	1.000		6806301.36		A	0.2
7	☐	1.000		6683614.55		A	0.9
8	☐	1.000		6730607.61		A	1.5
9	☐	1.000		6448706.43		A	4.8

45 Sc (ISTD) [He]

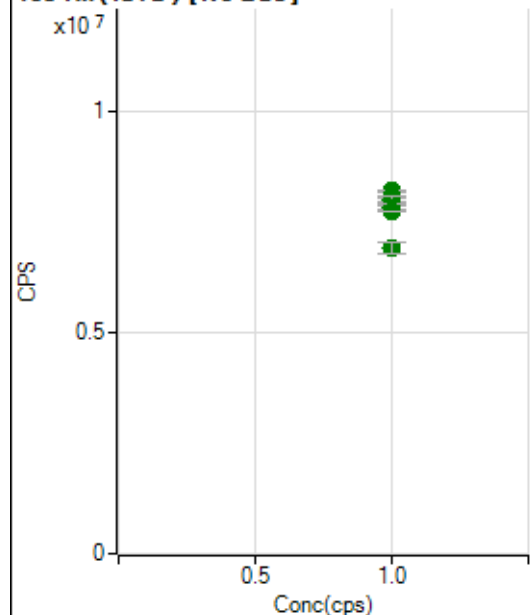
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		185585.41		P	2.1
2	☐	1.000		183158.33		P	0.7
3	☐	1.000		184780.22		P	1.8
4	☐	1.000		189170.96		P	0.6
5	☐	1.000		187237.15		P	0.8
6	☐	1.000		182487.74		P	0.8
7	☐	1.000		181600.12		P	0.1
8	☐	1.000		181134.50		P	1.1
9	☐	1.000		185308.35		P	0.3

89 Y (ISTD) [No Gas]

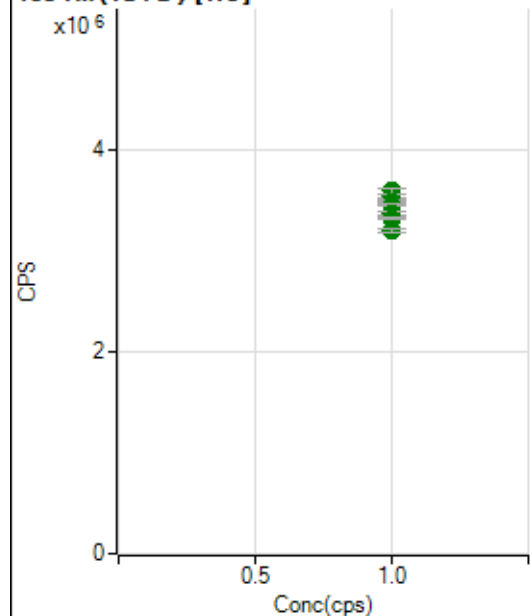
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		14144060.76		A	1.2
2	☐	1.000		14134258.68		A	2.1
3	☐	1.000		14007786.46		A	0.7
4	☐	1.000		14659307.70		A	0.9
5	☐	1.000		14466411.73		A	0.8
6	☐	1.000		14412843.53		A	0.5
7	☐	1.000		14227211.74		A	0.4
8	☐	1.000		14301113.54		A	0.6
9	☐	1.000		13414202.58		A	5.0

89 Y (ISTD) [He]

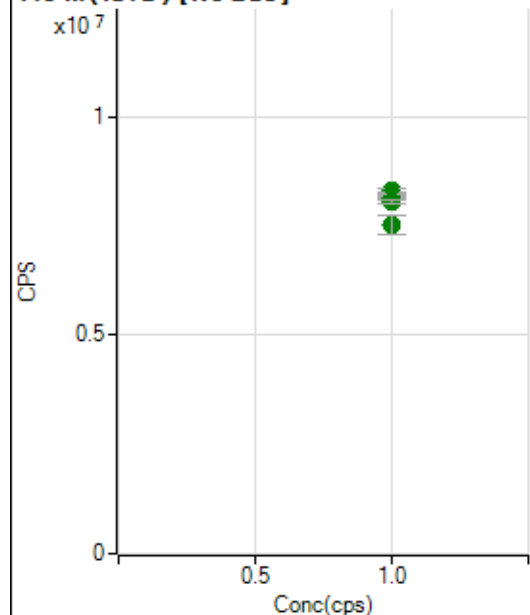
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1409451.21		P	0.6
2	☐	1.000		1393133.66		M	0.8
3	☐	1.000		1410059.01		M	2.2
4	☐	1.000		1447146.28		A	2.3
5	☐	1.000		1416695.32		M	0.7
6	☐	1.000		1396296.44		P	0.5
7	☐	1.000		1379200.22		P	1.2
8	☐	1.000		1369234.67		P	1.1
9	☐	1.000		1412808.19		M	1.3

103 Rh (ISTD) [No Gas]

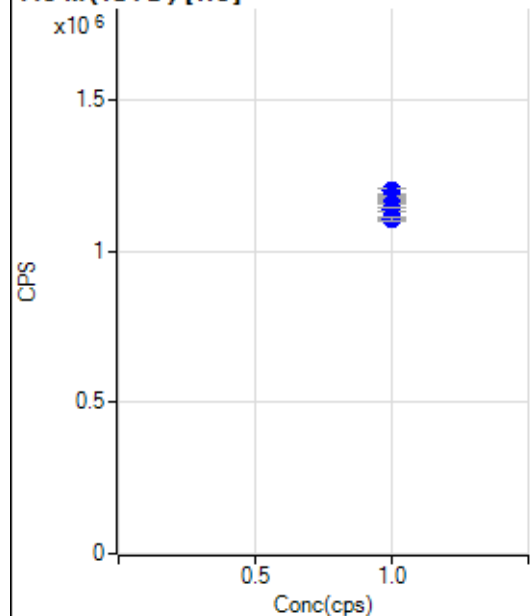
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8055568.23		A	3.0
2	☐	1.000		7981759.47		A	2.6
3	☐	1.000		8064200.53		A	0.4
4	☐	1.000		8204201.40		A	0.7
5	☐	1.000		8070613.03		A	0.9
6	☐	1.000		7992411.29		A	2.2
7	☐	1.000		7835003.47		A	1.5
8	☐	1.000		7745602.26		A	0.3
9	☐	1.000		6906212.22		A	4.1

103 Rh (ISTD) [He]

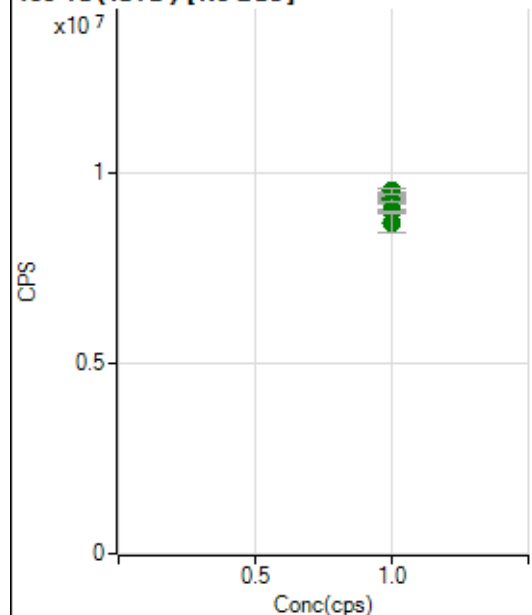
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3531820.99		A	1.1
2	☐	1.000		3476436.27		A	1.4
3	☐	1.000		3475876.13		A	1.4
4	☐	1.000		3585951.37		A	1.5
5	☐	1.000		3481418.80		A	0.5
6	☐	1.000		3443717.69		A	0.6
7	☐	1.000		3358309.85		A	1.0
8	☐	1.000		3313549.43		A	0.4
9	☐	1.000		3192062.42		A	0.9

115 In (ISTD) [No Gas]

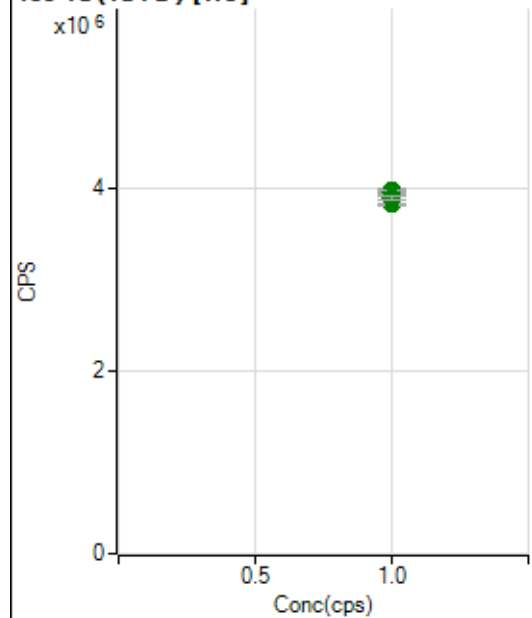
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8121422.25		A	0.6
2	☐	1.000		8130070.58		A	0.8
3	☐	1.000		8162064.85		A	1.3
4	☐	1.000		8306502.96		A	1.6
5	☐	1.000		8276090.67		A	2.2
6	☐	1.000		8247303.37		A	0.6
7	☐	1.000		8164009.64		A	1.3
8	☐	1.000		8055537.94		A	0.8
9	☐	1.000		7512941.32		A	5.7

115 In (ISTD) [He]

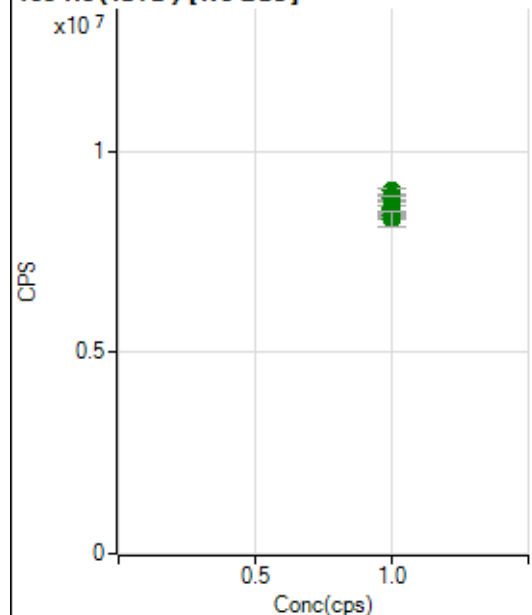
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1176561.87		P	1.0
2	☐	1.000		1162065.23		P	0.7
3	☐	1.000		1176378.11		P	1.7
4	☐	1.000		1201260.57		P	1.3
5	☐	1.000		1181333.75		P	0.1
6	☐	1.000		1158245.02		P	0.2
7	☐	1.000		1141860.27		P	1.0
8	☐	1.000		1111970.33		P	0.2
9	☐	1.000		1107846.31		P	0.8

159 Tb (ISTD) [No Gas]

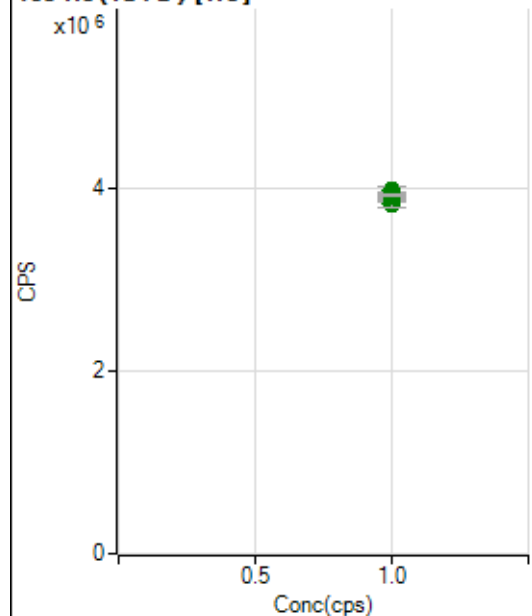
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8977305.63		A	0.6
2	☐	1.000		8980841.53		A	0.7
3	☐	1.000		8954386.25		A	0.4
4	☐	1.000		9245128.33		A	1.1
5	☐	1.000		9264179.45		A	1.6
6	☐	1.000		9451391.11		A	0.3
7	☐	1.000		9308622.08		A	1.3
8	☐	1.000		9517550.41		A	1.9
9	☐	1.000		8670673.62		A	5.9

159 Tb (ISTD) [He]

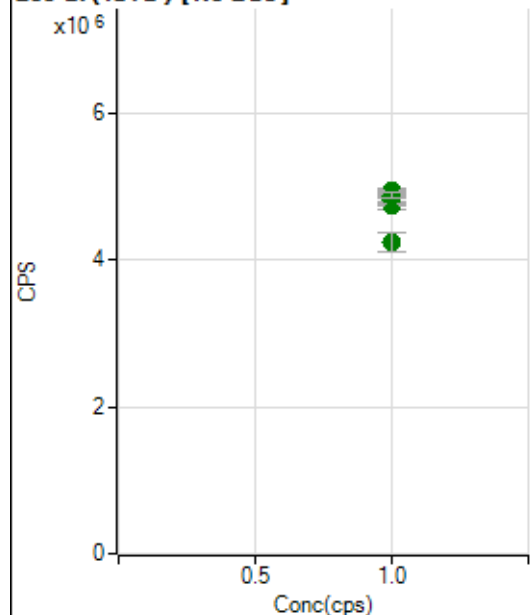
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3887582.62		A	0.9
2	☐	1.000		3819825.71		A	0.7
3	☐	1.000		3866821.82		A	2.1
4	☐	1.000		3969707.23		A	1.2
5	☐	1.000		3923349.80		A	0.9
6	☐	1.000		3932759.94		A	0.7
7	☐	1.000		3969628.10		A	1.9
8	☐	1.000		3954816.37		A	1.5
9	☐	1.000		3894188.59		A	0.8

165 Ho (ISTD) [No Gas]

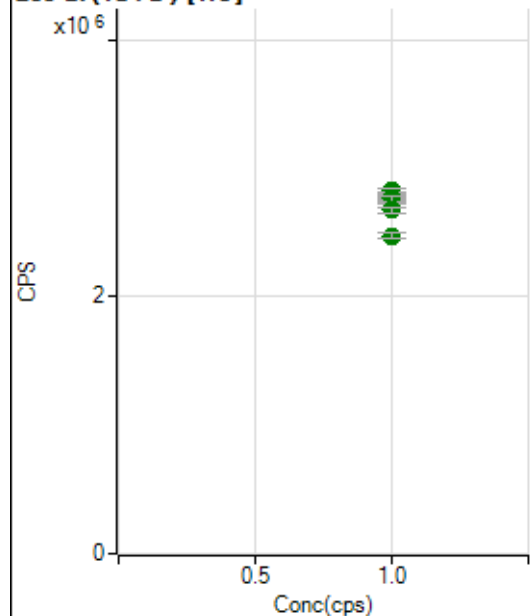
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8376212.43		A	1.7
2	☐	1.000		8551917.47		A	3.0
3	☐	1.000		8438524.93		A	1.6
4	☐	1.000		8631341.08		A	2.7
5	☐	1.000		8771991.86		A	0.3
6	☐	1.000		9026390.83		A	1.4
7	☐	1.000		8866416.26		A	1.3
8	☐	1.000		8890871.03		A	0.3
9	☐	1.000		8320869.80		A	4.8

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3897570.99		A	1.8
2	☐	1.000		3826467.58		A	1.5
3	☐	1.000		3843012.03		A	2.2
4	☐	1.000		3974412.93		A	2.1
5	☐	1.000		3956212.16		A	0.6
6	☐	1.000		3942512.41		A	0.5
7	☐	1.000		3919675.36		A	1.6
8	☐	1.000		3924484.14		A	0.7
9	☐	1.000		3924354.80		A	0.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4739151.04		A	2.2
2	☐	1.000		4778813.61		A	1.3
3	☐	1.000		4749926.70		A	0.6
4	☐	1.000		4827134.44		A	2.2
5	☐	1.000		4914062.36		A	1.9
6	☐	1.000		4945861.45		A	1.8
7	☐	1.000		4930238.78		A	0.5
8	☐	1.000		4885162.36		A	1.8
9	☐	1.000		4234984.87		A	6.1

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		2781970.65		A	2.1
2	☐	1.000		2746939.54		A	0.5
3	☐	1.000		2783925.24		A	0.4
4	☐	1.000		2825601.14		A	1.5
5	☐	1.000		2776125.55		A	0.7
6	☐	1.000		2767827.02		A	3.1
7	☐	1.000		2767189.72		A	1.5
8	☐	1.000		2677161.26		A	1.5
9	☐	1.000		2476732.24		A	1.6

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8070221MS.b
Acq. Date-Time 2021-07-02 10:58:10
Report Comment ---
Instrument Name G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		18268	182675.71			0.563	5.000
24		130845	1308452.29			1.264	5.000
25		18098	180981.00			0.872	5.000
26		21178	211775.19			1.059	5.000
59		23177	231768.56			1.080	5.000
113		9881	98813.77			1.549	5.000
115		30008	300080.46			1.502	5.000
206		10655	106550.62			1.214	5.000
207		8836	88358.19			1.226	5.000
208		21833	218334.12			1.682	5.000
220		1	5.60			37.564	

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

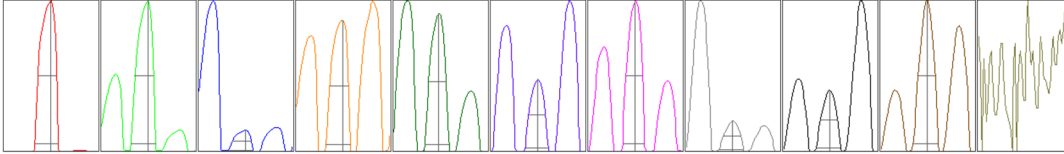
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	18393	18269	18252	18112	18312
24	131133	132297	131800	128046	130950
25	18220	18155	18103	17826	18186
26	21255	21310	21362	20799	21162
59	23438	23271	23268	22772	23136
113	9992	9913	9981	9617	9904
115	30520	30238	30119	29335	29828
206	10731	10735	10690	10427	10693
207	8893	8883	8894	8643	8866
208	22004	21953	22228	21260	21722

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	32050.79	9.00	8.90 - 9.10	
24	235427.65	24.00	23.90 - 24.10	
25	32082.24	25.00	24.90 - 25.10	
26	36303.66	26.00	25.90 - 26.10	
59	43828.69	58.95	58.90 - 59.10	
113	19698.38	113.00	112.90 - 113.10	
115	59461.04	115.00	114.90 - 115.10	
206	20528.66	206.00	205.90 - 206.10	
207	17148.35	207.00	206.90 - 207.10	
208	42375.68	208.00	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.739	0.900	
24	0.59	0.779	0.900	
25	0.59	0.777	0.900	
26	0.60	0.777	0.900	
59	0.55	0.772	0.900	
113	0.53	0.729	0.900	
115	0.52	0.691	0.900	
206	0.55	0.778	0.900	
207	0.54	0.782	0.900	
208	0.54	0.799	0.900	
220	0.30			

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.75 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.40 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	9.6 V	Deflect	16.2 V
Extract 2	-160.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-100 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	150 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9995	QP Bias	-4.0 V
Mass Offset	125	Axis Offset	-0.05		

Hardware Settings

Torch

Torch H	1.0 mm	Torch V	-0.8 mm
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EM

Discriminator	4.0 mV	Analog HV	2207 V	Pulse HV	1535 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		4597	45965.46			0.373	
89		20341	203409.69			0.409	
205		31130	311295.17			1.085	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	4591	4617	4612	4576	4587
89	20401	20222	20437	20328	20317
205	30566	31302	31457	31157	31166

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.75 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.40 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	9.6 V	Deflect	5.0 V
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US EPA Tune Check Report

Extract 2	-160.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-100 V	Cell Exit	-70 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		
QP Parameters					
Mass Gain	123	Axis Gain	0.9995	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	-0.05		
Hardware Settings					
Torch					
Torch H	1.0 mm	Torch V	-0.8 mm		
EM					
Discriminator	4.0 mV	Analog HV	2207 V	Pulse HV	1535 V