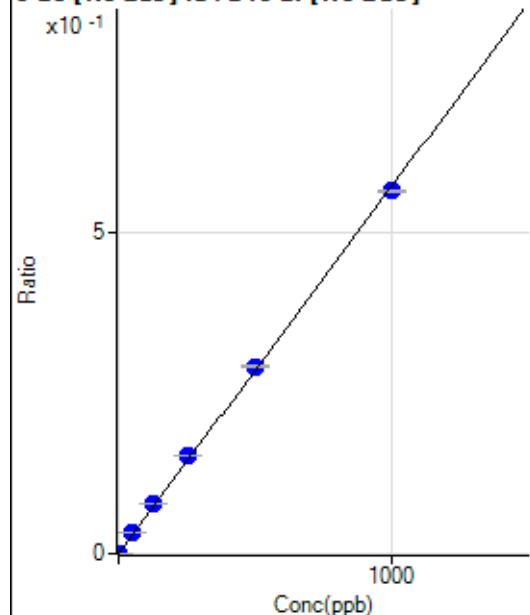


Batch Folder: D:\ICP-MS Data\P7061319-MS.b\
Analysis File: P7061319-MS.batch.bin
DA Date-Time: 2019-06-14 03:34:50
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-06-13 13:21:21
2	004CALS.d	S01	2019-06-13 13:24:56
3	005CALS.d	S02	2019-06-13 13:29:15
4	006CALS.d	S03	2019-06-13 13:33:11
5	007CALS.d	S04	2019-06-13 13:37:07
6	008CALS.d	S05	2019-06-13 13:41:00
7	009CALS.d	S06	2019-06-13 13:44:51
8	010CALS.d	S07	2019-06-13 13:48:41
9	011CALS.d	S08	2019-06-13 13:52:28

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	23.2
2	☐	0.100	0.095	180.01	0.0001	P	22.3
3	☐	1.000	1.002	1158.95	0.0006	P	3.9
4	☐	50.000	57.050	60569.01	0.0327	P	1.3
5	☐	125.000	136.498	140700.18	0.0782	P	2.2
6	☐	250.000	267.925	248118.84	0.1534	P	1.3
7	☐	500.000	510.687	444442.66	0.2924	P	0.9
8	☐	1000.000	988.385	852037.88	0.5658	P	0.4
9	☐			326.68	0.0002	P	12.6

$$y = 5.7243\text{E-}004 * x + 4.2172\text{E-}005$$

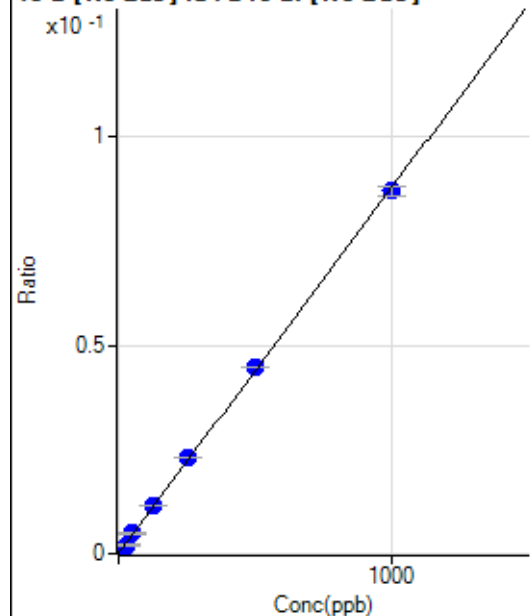
$$R = 0.9997$$

$$DL = 0.05135$$

$$BEC = 0.07367$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.12	0.0001	P	15.3
2	☐	2.500	2.551	555.59	0.0003	P	7.8
3	☐	25.000	22.828	3909.00	0.0021	P	4.3
4	☐	50.000	54.592	9014.12	0.0049	P	1.8
5	☐	125.000	130.146	20695.44	0.0115	P	2.1
6	☐	250.000	262.667	37410.87	0.0231	P	1.3
7	☐	500.000	508.703	67997.87	0.0447	P	0.4
8	☐	1000.000	991.663	131193.45	0.0871	P	2.4
9	☐			7638.37	0.0050	P	14.0

$$y = 8.7789\text{E-}005 * x + 7.3847\text{E-}005$$

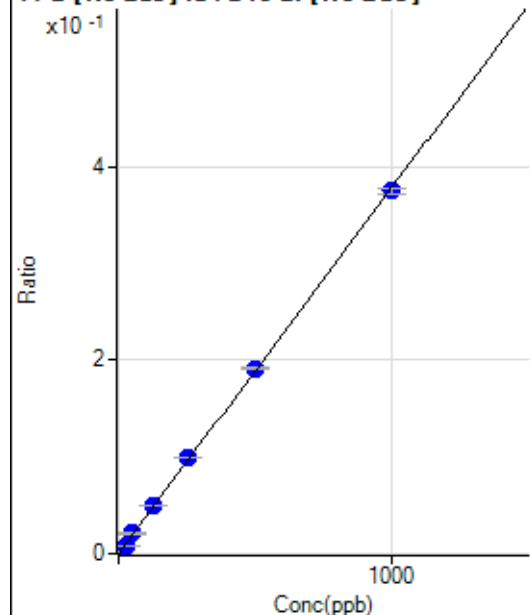
$$R = 0.9998$$

$$DL = 0.386$$

$$BEC = 0.8412$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	458.36	0.0002	P	6.6
2	☐	2.500	2.599	2291.93	0.0012	P	4.5
3	☐	25.000	22.701	16579.05	0.0088	P	1.7
4	☐	50.000	55.236	39056.95	0.0211	P	2.5
5	☐	125.000	131.319	89593.00	0.0498	P	2.7
6	☐	250.000	262.123	160308.24	0.0991	P	1.7
7	☐	500.000	507.232	291222.04	0.1916	P	1.7
8	☐	1000.000	992.359	564037.53	0.3746	P	1.7
9	☐			32853.38	0.0213	P	13.6

$$y = 3.7723\text{E-}004 * x + 2.4870\text{E-}004$$

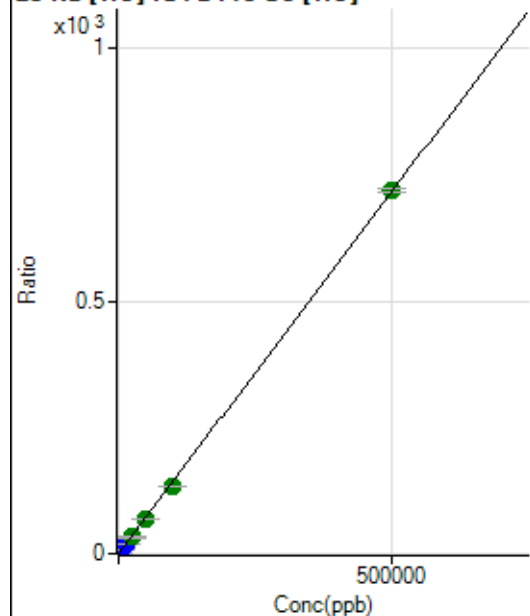
$$R = 0.9999$$

$$DL = 0.1312$$

$$BEC = 0.6593$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1655.72	0.0109	P	5.2
2	☐	50.000	43.986	11407.50	0.0738	P	1.6
3	☐	500.000	434.235	96881.33	0.6319	P	1.0
4	☐	5000.000	5074.801	1090136.65	7.2684	P	0.9
5	☐	12500.000	12459.474	2461369.28	17.8293	P	0.5
6	☐	25000.000	22812.275	4306539.59	32.6349	A	5.3
7	☐	50000.000	46838.495	7974201.22	66.9949	A	0.1
8	☐	100000.00	93654.179	16006214.42	133.9462	A	1.1
9	☐	500000.00	501695.03	94594522.25	717.4875	A	1.0

$$y = 0.0014 * x + 0.0109$$

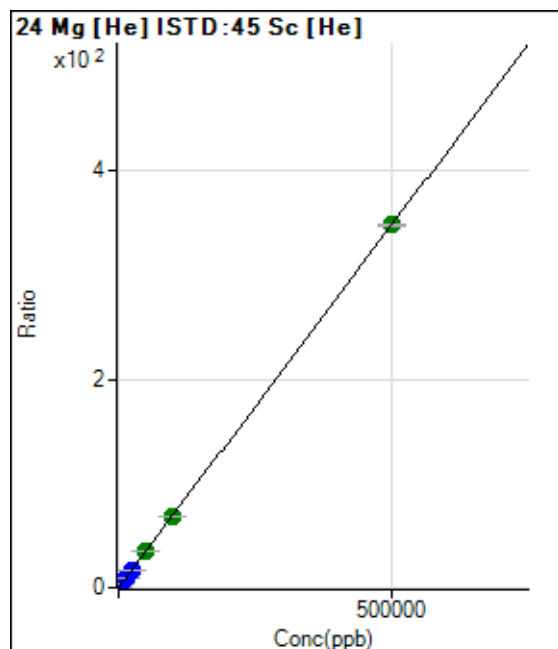
$$R = 0.9999$$

$$DL = 1.198$$

$$BEC = 7.642$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	133.34	0.0009	P	22.5
2	☐	50.000	47.684	5262.27	0.0341	P	2.4
3	☐	500.000	482.377	51603.69	0.3366	P	1.5
4	☐	5000.000	5421.443	565967.48	3.7735	P	0.4
5	☐	12500.000	13266.287	1274548.88	9.2324	P	0.9
6	☐	25000.000	24262.431	2228338.83	16.8843	P	4.9
7	☐	50000.000	49476.542	4098035.77	34.4299	A	0.4
8	☐	100000.00	98242.999	8169372.75	68.3649	A	1.1
9	☐	500000.00	500417.27	45914165.95	348.2245	A	0.4

$$y = 6.9587\text{E-}004 * x + 8.8038\text{E-}004$$

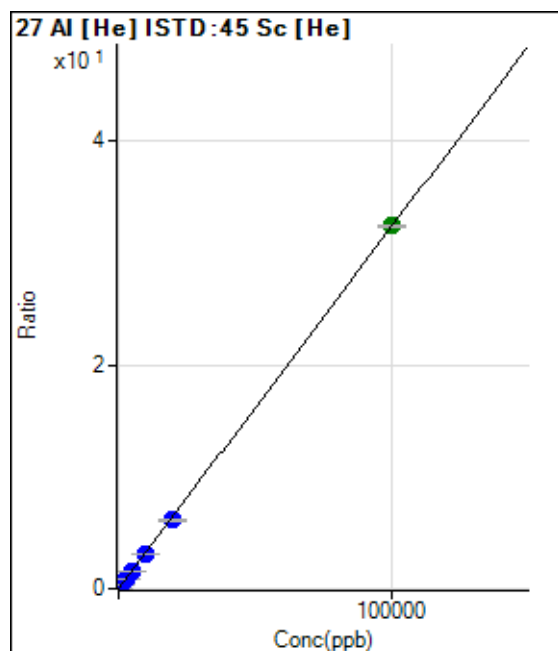
$$R = 1.0000$$

$$DL = 0.8555$$

$$BEC = 1.265$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0001	P	43.2
2	☐	2.000	1.885	116.67	0.0008	P	29.1
3	☐	20.000	17.037	866.74	0.0057	P	4.2
4	☐	1000.000	1041.581	50508.57	0.3368	P	2.1
5	☐	2500.000	2541.840	113428.12	0.8216	P	1.5
6	☐	5000.000	4718.315	201220.91	1.5251	P	5.7
7	☐	10000.000	9542.243	367082.92	3.0841	P	1.3
8	☐	20000.000	18875.800	729026.86	6.1006	P	0.7
9	☐	100000.00	100283.23	4273260.12	32.4108	A	0.8

$$y = 3.2319\text{E-}004 * x + 1.4668\text{E-}004$$

$$R = 0.9999$$

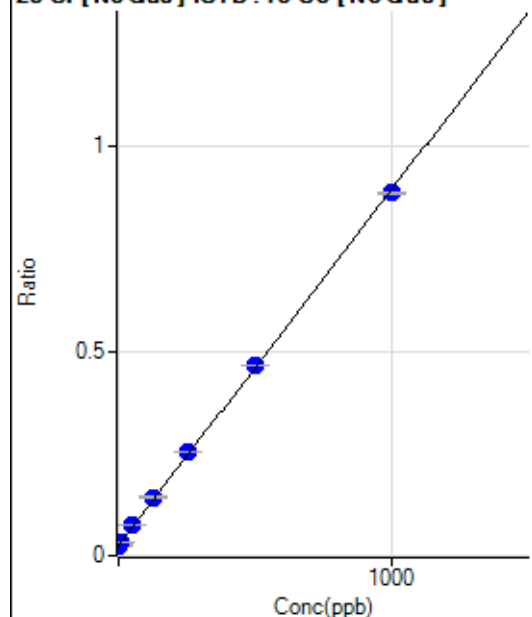
$$DL = 0.588$$

$$BEC = 0.4538$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	83236.19	0.0253	P	3.0
2	☐	1.000	1.403	87282.40	0.0265	P	2.9
3	☐	10.000	7.745	106184.13	0.0320	P	0.5
4	☐	50.000	59.365	250657.54	0.0769	P	0.5
5	☐	125.000	135.821	454958.04	0.1434	P	1.9
6	☐	250.000	264.260	716215.10	0.2550	P	0.4
7	☐	500.000	506.813	1230540.80	0.4659	P	0.1
8	☐	1000.000	991.230	2325556.06	0.8870	P	0.6
9	☐			117379.54	0.0436	P	8.0

$$y = 8.6929\text{E-}004 * x + 0.0253$$

$$R = 0.9998$$

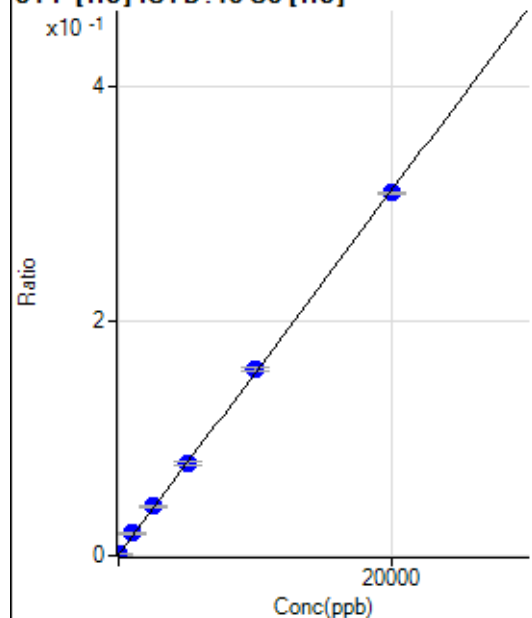
$$DL = 2.609$$

$$BEC = 29.1$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-11.305	75.00	0.0005	P	19.2
2	☐	0.000	-11.931	75.00	0.0005	P	10.9
3	☐	0.000	23.236	158.34	0.0010	P	23.7
4	☐	1000.000	1181.414	2855.95	0.0190	P	3.5
5	☐	2500.000	2668.176	5820.80	0.0422	P	5.4
6	☐	5000.000	5029.203	10412.39	0.0789	P	4.6
7	☐	10000.000	10175.799	18912.71	0.1589	P	2.5
8	☐	20000.000	19874.707	37013.39	0.3097	P	0.8
9	☐			111.12	0.0008	P	17.5

$$y = 1.5550\text{E-}005 * x + 6.7091\text{E-}004$$

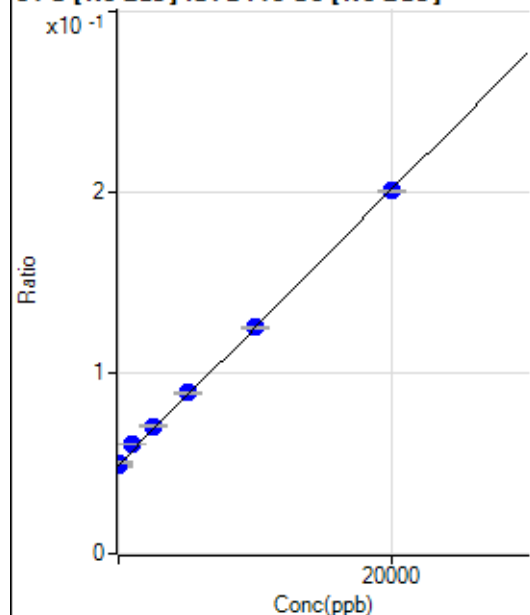
$$R = 0.9999$$

$$DL = 25.23$$

$$BEC = 43.14$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-102.717	159416.74	0.0484	P	1.1
2	☐	0.000	-43.971	160963.27	0.0489	P	2.3
3	☐	0.000	146.688	166913.14	0.0503	P	1.1
4	☐	1000.000	1504.937	197742.55	0.0607	P	0.1
5	☐	2500.000	2797.272	223700.16	0.0705	P	2.5
6	☐	5000.000	5222.999	249765.91	0.0889	P	0.6
7	☐	10000.000	9971.251	330239.85	0.1250	P	0.7
8	☐	20000.000	19896.219	525616.69	0.2005	P	0.6
9	☐			147675.66	0.0548	P	5.2

$$y = 7.6016\text{E-}006 * x + 0.0492$$

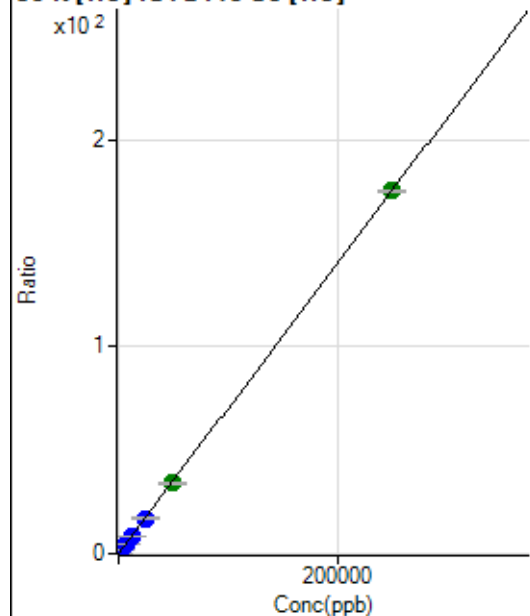
$$R = 0.9996$$

$$DL = 291.7$$

$$BEC = 6476$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8449.96	0.0558	P	5.0
2	☐	50.000	48.702	13879.23	0.0898	P	1.2
3	☐	500.000	465.533	58468.73	0.3813	P	0.8
4	☐	2500.000	2721.847	293842.73	1.9592	P	0.6
5	☐	6250.000	6624.563	647230.07	4.6883	P	0.7
6	☐	12500.000	12055.053	1119761.00	8.4858	P	5.4
7	☐	25000.000	24477.189	2044000.59	17.1726	P	0.4
8	☐	50000.000	48505.830	4060106.21	33.9757	A	0.8
9	☐	250000.00	250361.84	23090816.83	175.1330	A	0.7

$$y = 6.9930\text{E-}004 * x + 0.0558$$

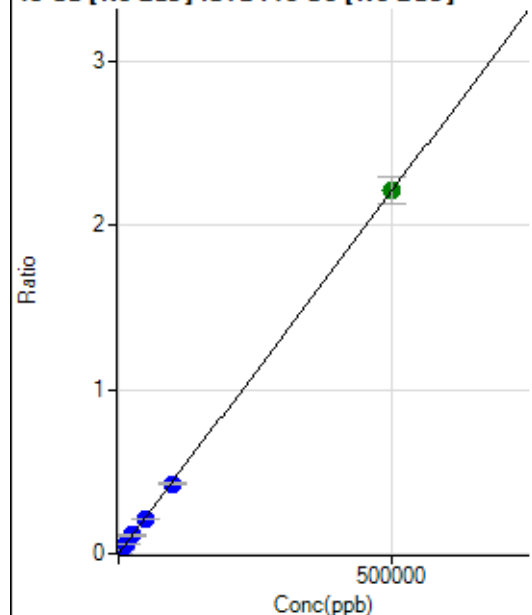
$$R = 1.0000$$

$$DL = 11.94$$

$$BEC = 79.76$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	105.56	0.0000	P	46.1
2	☐	50.000	43.570	738.94	0.0002	P	4.9
3	☐	500.000	478.176	7107.57	0.0021	P	1.6
4	☐	5000.000	5327.889	76791.21	0.0236	P	0.4
5	☐	12500.000	12572.716	176308.50	0.0555	P	1.3
6	☐	25000.000	25241.228	313128.61	0.1115	P	0.6
7	☐	50000.000	48697.394	568079.57	0.2151	P	0.1
8	☐	100000.00	96551.640	1117920.05	0.4264	P	0.9
9	☐	500000.00	500802.79	5957983.55	2.2114	A	7.3

$$y = 4.4157\text{E-}006 * x + 3.2042\text{E-}005$$

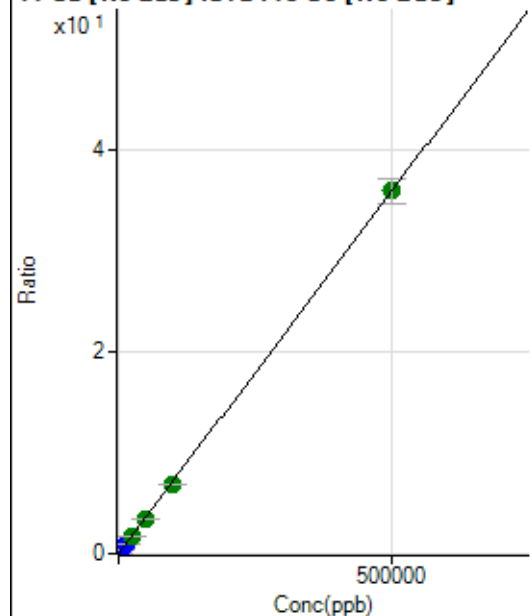
$$R = 1.0000$$

$$DL = 10.03$$

$$BEC = 7.256$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3320.01	0.0010	P	6.4
2	☐	50.000	48.276	14719.05	0.0045	P	1.0
3	☐	500.000	457.926	112201.89	0.0338	P	0.5
4	☐	5000.000	5311.665	1244586.92	0.3818	P	0.5
5	☐	12500.000	12681.333	2888471.76	0.9102	P	2.0
6	☐	25000.000	25149.012	5066958.01	1.8041	A	0.2
7	☐	50000.000	48521.827	9191616.87	3.4797	A	0.3
8	☐	100000.00	96530.172	18148688.25	6.9217	A	0.2
9	☐	500000.00	500826.72	96745192.44	35.9074	A	7.2

$$y = 7.1694\text{E-}005 * x + 0.0010$$

$$R = 1.0000$$

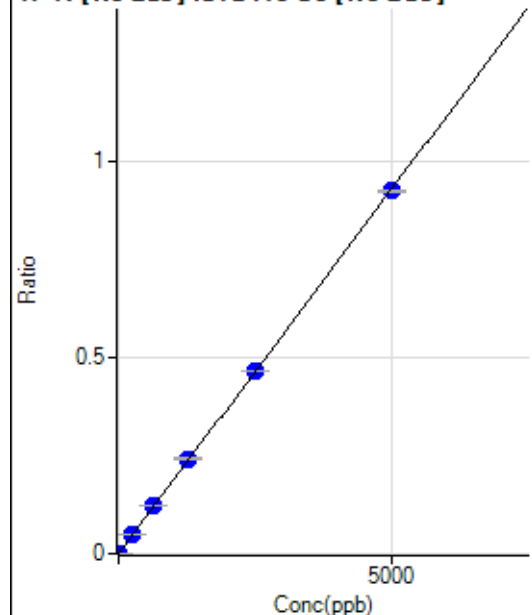
$$DL = 2.706$$

$$BEC = 14.07$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0000	P	60.5
2	☐	0.500	0.481	344.46	0.0001	P	15.1
3	☐	5.000	5.017	3142.13	0.0009	P	2.6
4	☐	250.000	275.032	166631.51	0.0511	P	0.6
5	☐	625.000	655.827	386751.65	0.1219	P	2.8
6	☐	1250.000	1302.784	679943.56	0.2421	P	0.8
7	☐	2500.000	2505.923	1229989.81	0.4656	P	0.8
8	☐	5000.000	4978.738	2425646.67	0.9251	P	0.5
9	☐			1358.45	0.0005	P	8.1

$$y = 1.8581E-004 * x + 1.5218E-005$$

$$R = 0.9999$$

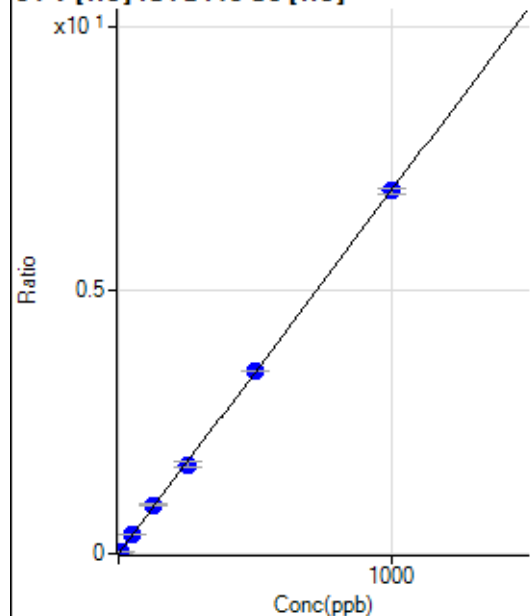
$$DL = 0.1486$$

$$BEC = 0.0819$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.
2	☐	0.500	0.511	545.57	0.0035	P	7.6
3	☐	5.000	4.935	5214.34	0.0340	P	1.9
4	☐	50.000	55.048	56890.31	0.3793	P	0.9
5	☐	125.000	134.475	127918.28	0.9266	P	0.8
6	☐	250.000	245.394	223120.04	1.6909	P	5.4
7	☐	500.000	502.073	411776.19	3.4595	P	0.5
8	☐	1000.000	998.678	822291.41	6.8813	P	1.3
9	☐			253.34	0.0019	P	14.7

$$y = 0.0069 * x + 7.3653E-006$$

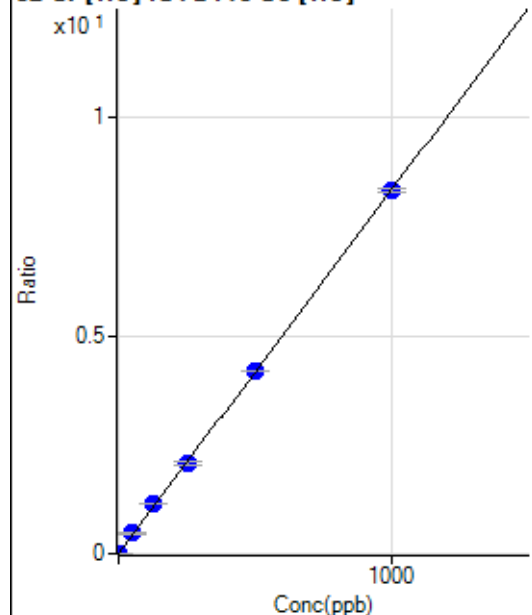
$$R = 0.9999$$

$$DL = 0.005554$$

$$BEC = 0.001069$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	386.68	0.0026	P	11.8
2	☐	0.200	0.159	598.91	0.0039	P	0.9
3	☐	2.000	1.818	2715.84	0.0177	P	2.4
4	☐	50.000	55.667	69982.93	0.4666	P	2.1
5	☐	125.000	135.210	155963.74	1.1298	P	0.8
6	☐	250.000	247.342	272442.65	2.0646	P	5.2
7	☐	500.000	502.857	499276.71	4.1947	P	0.6
8	☐	1000.000	997.677	994202.18	8.3198	P	1.0
9	☐			14304.87	0.1085	P	1.2

$$y = 0.0083 * x + 0.0026$$

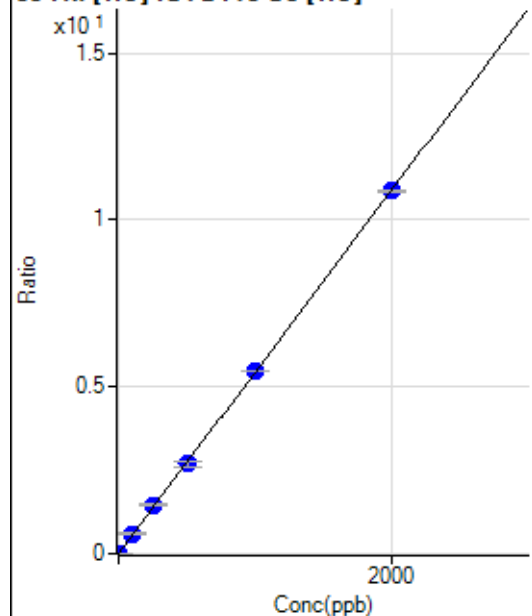
$$R = 0.9999$$

$$DL = 0.1084$$

$$BEC = 0.3061$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	30.00	0.0002	P	19.6
2	☐	0.100	0.170	173.34	0.0011	P	5.6
3	☐	1.000	1.013	874.49	0.0057	P	9.2
4	☐	100.000	110.978	90599.96	0.6041	P	0.5
5	☐	250.000	268.788	201934.83	1.4628	P	0.9
6	☐	500.000	494.441	354970.78	2.6906	P	5.9
7	☐	1000.000	1002.397	649242.95	5.4546	P	0.1
8	☐	2000.000	1997.294	1298745.75	10.8681	P	0.6
9	☐			6273.64	0.0476	P	2.9

$$y = 0.0054 * x + 1.9812E-004$$

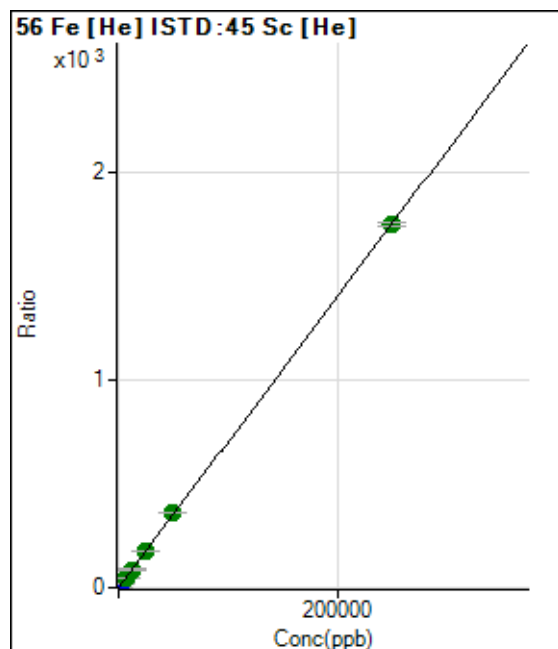
$$R = 0.9999$$

$$DL = 0.02136$$

$$BEC = 0.03641$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1724.22	0.0114	P	5.5
2	☐	5.000	5.337	7522.48	0.0487	P	2.7
3	☐	50.000	53.089	58645.19	0.3825	P	0.2
4	☐	2500.000	2861.082	3001471.42	20.0117	P	0.3
5	☐	6250.000	6835.566	6598278.27	47.7953	A	0.2
6	☐	12500.000	12565.974	11591406.16	87.8536	A	5.7
7	☐	25000.000	25660.844	21352435.66	179.3931	A	0.3
8	☐	50000.000	51437.726	42970661.14	359.5860	A	0.7
9	☐	250000.00	249624.82	230064714.4	1,745.010	A	1.0

$$y = 0.0070 * x + 0.0114$$

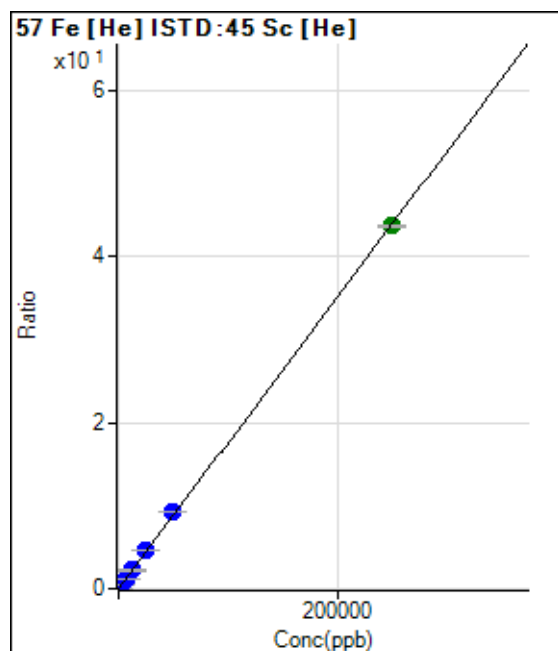
$$R = 1.0000$$

$$DL = 0.2681$$

$$BEC = 1.628$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	92.60	0.0006	P	50.9
2	☐	5.000	4.726	222.23	0.0014	P	18.5
3	☐	50.000	55.308	1579.76	0.0103	P	5.8
4	☐	2500.000	2865.295	75426.66	0.5029	P	0.9
5	☐	6250.000	7002.292	169544.64	1.2281	P	0.4
6	☐	12500.000	12857.494	297487.31	2.2545	P	5.5
7	☐	25000.000	26102.560	544725.35	4.5764	P	0.3
8	☐	50000.000	52558.005	1101048.81	9.2141	P	1.2
9	☐	250000.00	249337.80	5762992.03	43.7097	A	0.7

$$y = 1.7530E-004 * x + 6.1066E-004$$

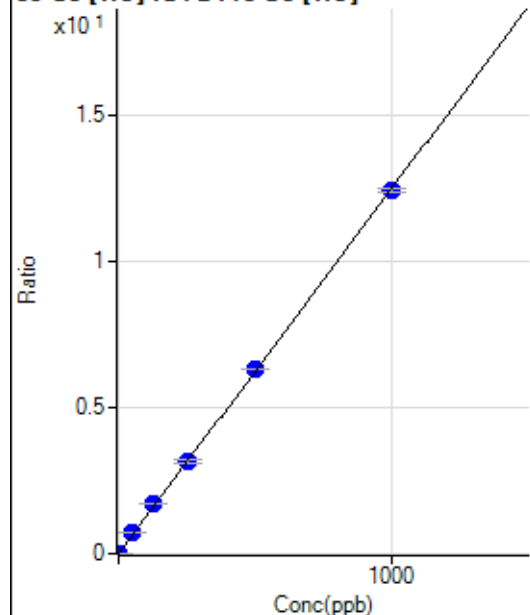
$$R = 0.9999$$

$$DL = 5.317$$

$$BEC = 3.483$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	46.67	0.0003	P	18.6
2	☐	0.100	0.077	196.67	0.0013	P	10.5
3	☐	1.000	0.939	1840.15	0.0120	P	9.5
4	☐	50.000	56.872	106299.33	0.7087	P	0.5
5	☐	125.000	137.828	237057.02	1.7172	P	0.6
6	☐	250.000	251.372	413281.73	3.1315	P	5.0
7	☐	500.000	506.637	751212.37	6.3112	P	0.2
8	☐	1000.000	994.391	1480181.09	12.3869	P	1.2
9	☐			20053.91	0.1521	P	1.8

$$y = 0.0125 * x + 3.0793E-004$$

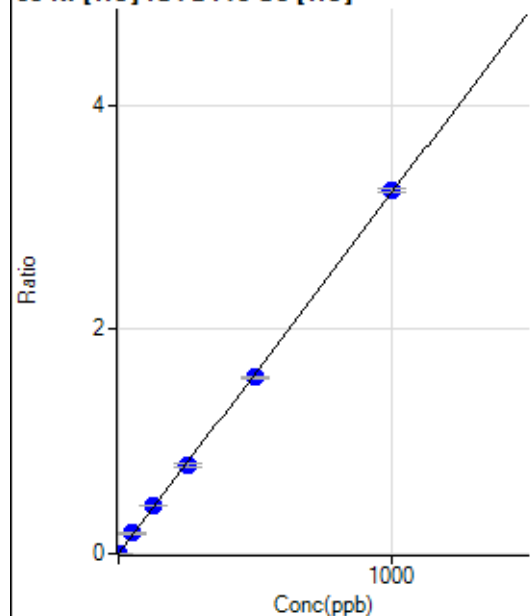
$$R = 0.9999$$

$$DL = 0.01376$$

$$BEC = 0.02472$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	48.89	0.0003	P	7.5
2	☐	0.100	0.092	95.56	0.0006	P	17.7
3	☐	1.000	0.987	535.57	0.0035	P	9.7
4	☐	50.000	55.973	27032.88	0.1802	P	1.4
5	☐	125.000	134.010	59511.49	0.4311	P	0.4
6	☐	250.000	245.165	104032.28	0.7884	P	5.3
7	☐	500.000	488.159	186805.04	1.5694	P	0.3
8	☐	1000.000	1005.705	386339.85	3.2330	P	0.9
9	☐			6578.24	0.0499	P	2.8

$$y = 0.0032 * x + 3.2271E-004$$

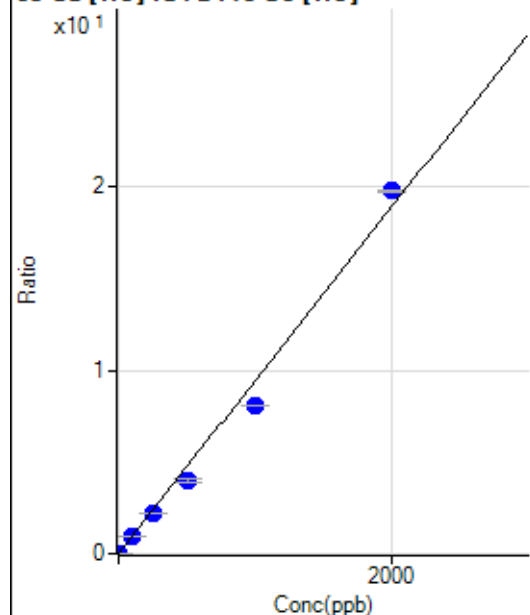
$$R = 0.9998$$

$$DL = 0.0226$$

$$BEC = 0.1004$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	235.56	0.0016	P	20.5
2	☐	0.200	0.169	487.79	0.0032	P	10.7
3	☐	2.000	1.753	2780.31	0.0181	P	2.8
4	☐	100.000	98.278	139632.63	0.9310	P	1.1
5	☐	250.000	235.950	308275.44	2.2330	P	0.1
6	☐	500.000	426.440	532413.98	4.0345	P	5.2
7	☐	1000.000	852.620	959948.92	8.0651	P	0.4
8	☐	2000.000	2093.922	2366617.64	19.8045	P	0.8
9	☐			3200.40	0.0243	P	2.7

$$y = 0.0095 * x + 0.0016$$

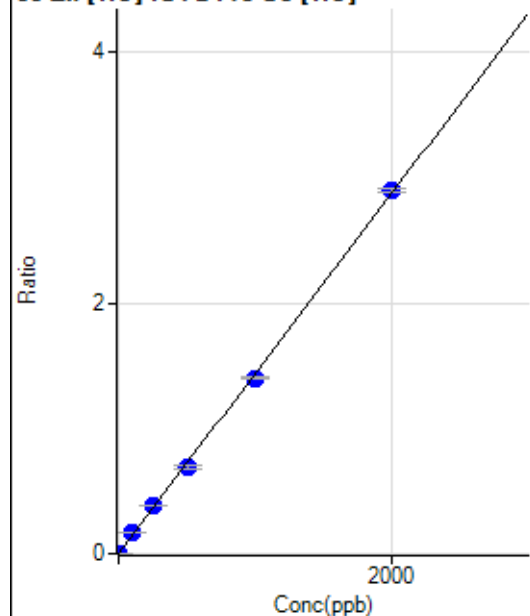
$$R = 0.9956$$

$$DL = 0.1012$$

$$BEC = 0.1645$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103.34	0.0007	P	17.8
2	☐	0.200	0.291	170.00	0.0011	P	8.5
3	☐	2.000	1.746	488.91	0.0032	P	10.3
4	☐	100.000	115.314	24962.60	0.1664	P	0.6
5	☐	250.000	265.882	52853.10	0.3829	P	1.1
6	☐	500.000	481.664	91445.01	0.6930	P	5.5
7	☐	1000.000	975.196	166929.05	1.4024	P	0.7
8	☐	2000.000	2014.235	346049.79	2.8959	P	1.1
9	☐			5376.62	0.0408	P	1.4

$$y = 0.0014 * x + 6.8202E-004$$

$$R = 0.9998$$

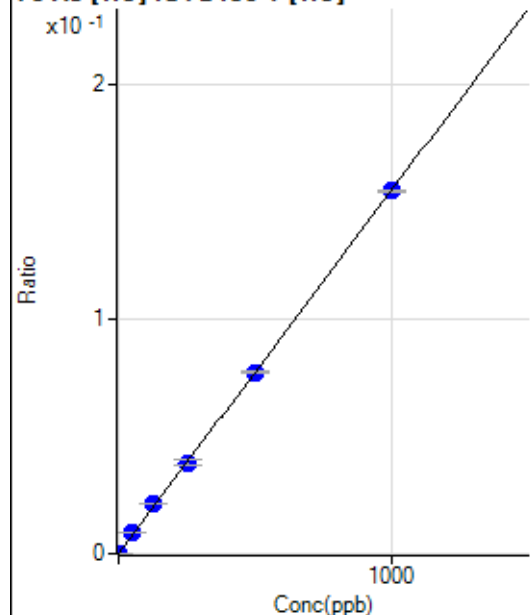
$$DL = 0.2527$$

$$BEC = 0.4745$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	11.11	0.0000	P	43.8
2	☐	0.100	0.050	17.90	0.0000	P	31.3
3	☐	1.000	0.933	135.19	0.0002	P	13.7
4	☐	50.000	57.607	7564.37	0.0089	P	1.0
5	☐	125.000	137.209	16839.45	0.0213	P	1.1
6	☐	250.000	250.232	29702.54	0.0388	P	5.6
7	☐	500.000	499.145	54355.29	0.0773	P	0.6
8	☐	1000.000	998.463	108384.90	0.1547	P	0.4
9	☐			200.62	0.0003	P	7.2

$$y = 1.5490\text{E-}004 * x + 1.3057\text{E-}005$$

$$R = 0.9999$$

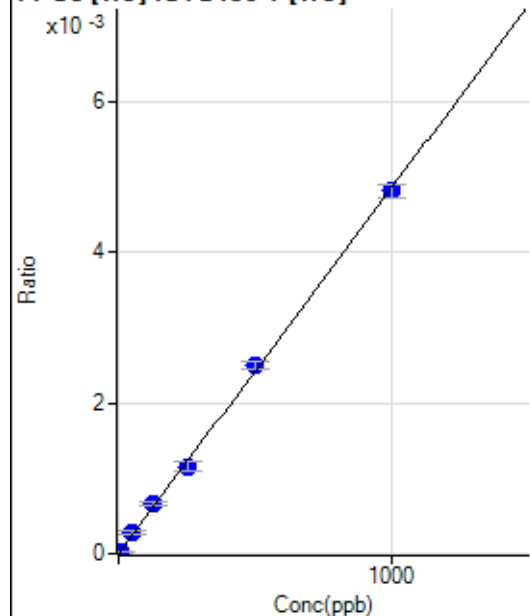
$$DL = 0.1107$$

$$BEC = 0.08429$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.
2	☐	0.500	-0.270	0.00	0.0000	P	
3	☐	5.000	4.274	18.89	0.0000	P	20.9
4	☐	50.000	55.775	230.01	0.0003	P	16.0
5	☐	125.000	137.270	527.79	0.0007	P	8.3
6	☐	250.000	237.771	882.27	0.0012	P	10.8
7	☐	500.000	517.761	1764.58	0.0025	P	4.0
8	☐	1000.000	992.358	3370.45	0.0048	P	3.4
9	☐			2.22	0.0000	P	86.6

$$y = 4.8461\text{E-}006 * x + 1.3103\text{E-}006$$

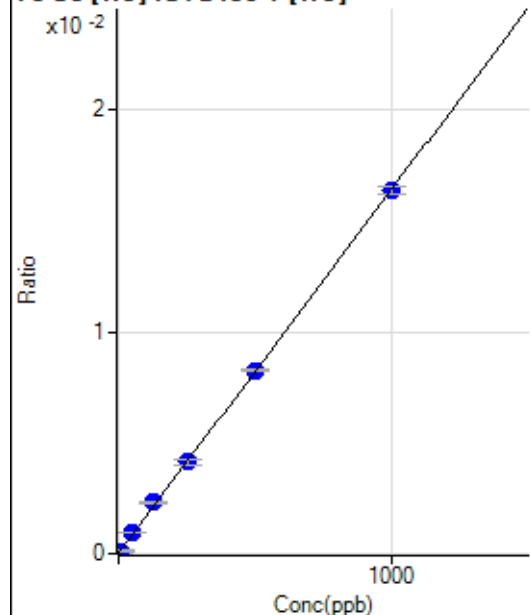
$$R = 0.9996$$

$$DL = 1.405$$

$$BEC = 0.2704$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20.37	0.0000	P	9.5
2	☐	0.500	1.733	45.06	0.0001	P	25.0
3	☐	5.000	6.091	106.18	0.0001	P	16.8
4	☐	50.000	55.871	795.09	0.0009	P	2.1
5	☐	125.000	140.522	1841.49	0.0023	P	3.4
6	☐	250.000	249.859	3153.46	0.0041	P	6.1
7	☐	500.000	503.026	5809.23	0.0083	P	0.7
8	☐	1000.000	996.282	11452.74	0.0163	P	2.1
9	☐			24.69	0.0000	P	18.9

$$y = 1.6382\text{E-}005 * x + 2.3970\text{E-}005$$

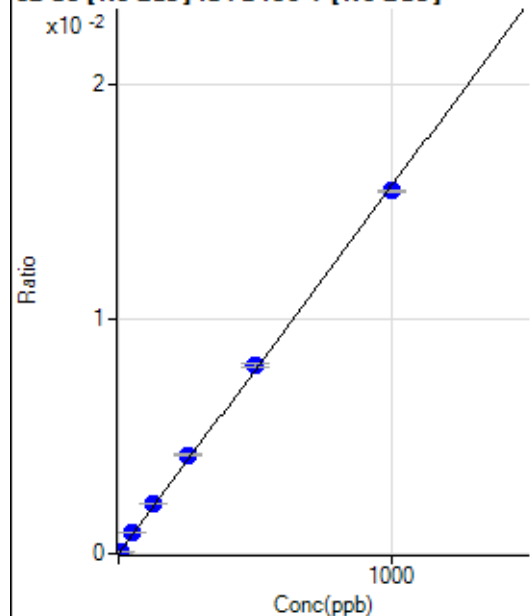
$$R = 0.9999$$

$$DL = 0.4171$$

$$BEC = 1.463$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18.39	0.0000	P	244.
2	☐	0.500	0.402	51.03	0.0000	P	62.5
3	☐	5.000	5.217	452.32	0.0001	P	8.2
4	☐	50.000	56.360	4640.23	0.0009	P	0.2
5	☐	125.000	134.598	10880.27	0.0021	P	1.8
6	☐	250.000	268.208	19742.33	0.0042	P	1.3
7	☐	500.000	512.893	36053.96	0.0080	P	1.6
8	☐	1000.000	987.483	69630.53	0.0155	P	0.2
9	☐			41.73	0.0000	P	11.9

$$y = 1.5677\text{E-}005 * x + 3.3554\text{E-}006$$

$$R = 0.9997$$

$$DL = 1.571$$

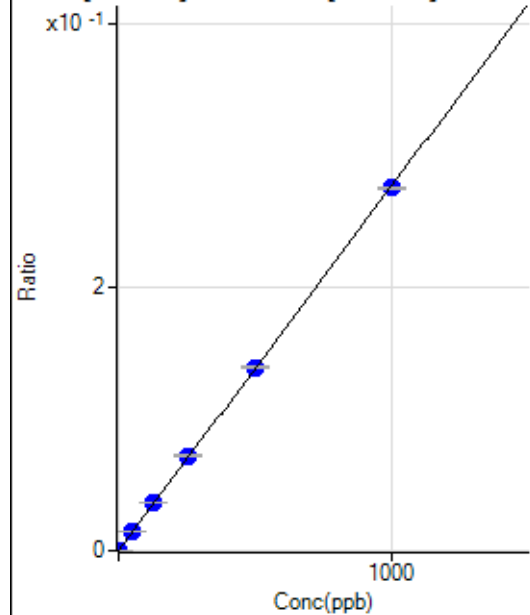
$$BEC = 0.214$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			132.22		P	25.3
2	☐			144.45		P	7.0
3	☐			174.45		P	2.9
4	☐			140.00		P	15.6
5	☐			140.00		P	6.3
6	☐			106.67		P	3.1
7	☐			117.78		P	14.0
8	☐			113.34		P	2.9
9	☐			142.23		P	5.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	219.46	0.0000	P	13.3
2	☐	0.100	0.141	416.69	0.0001	P	10.6
3	☐	1.000	0.824	1425.13	0.0003	P	1.7
4	☐	50.000	53.970	78358.27	0.0150	P	1.4
5	☐	125.000	132.351	188780.48	0.0367	P	1.7
6	☐	250.000	260.289	338176.96	0.0721	P	0.9
7	☐	500.000	502.369	623386.35	0.1391	P	1.0
8	☐	1000.000	995.126	1238676.46	0.2755	P	0.3
9	☐			5706.96	0.0013	P	8.9

$$y = 2.7676E-004 * x + 4.0181E-005$$

$$R = 0.9999$$

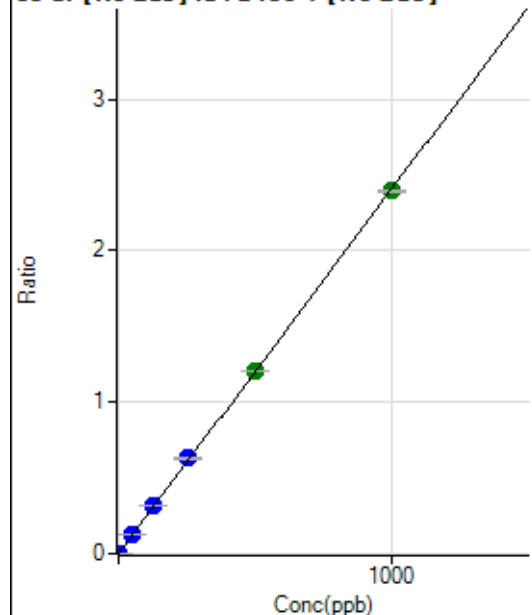
$$DL = 0.05774$$

$$BEC = 0.1452$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	102.78	0.0000	P	32.9
2	☐	0.100	0.097	1330.67	0.0003	P	4.6
3	☐	1.000	0.939	12100.01	0.0023	P	3.6
4	☐	50.000	54.784	689557.75	0.1318	P	0.6
5	☐	125.000	131.611	1629838.38	0.3166	P	2.0
6	☐	250.000	261.879	2955532.31	0.6300	P	0.7
7	☐	500.000	500.463	5396098.60	1.2039	A	0.5
8	☐	1000.000	995.733	10770910.22	2.3952	A	0.3
9	☐			48145.55	0.0108	P	7.2

$$y = 0.0024 * x + 1.8825E-005$$

$$R = 0.9999$$

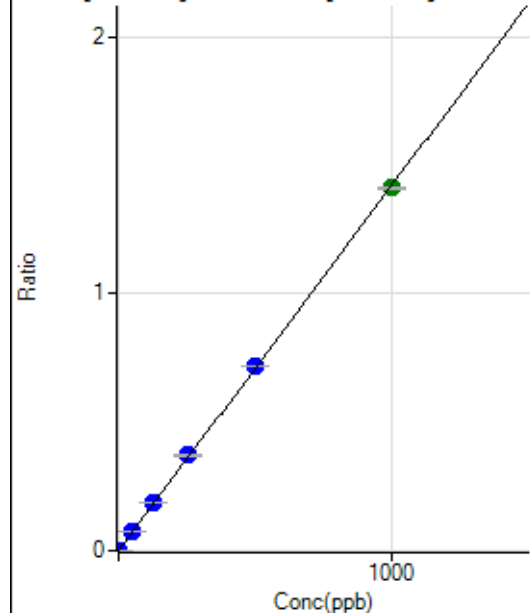
$$DL = 0.007734$$

$$BEC = 0.007826$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	308.35	0.0001	P	12.2
2	☐	0.100	0.090	966.74	0.0002	P	8.2
3	☐	1.000	0.908	7146.55	0.0013	P	1.4
4	☐	50.000	54.290	403261.95	0.0771	P	1.2
5	☐	125.000	130.609	954205.60	0.1854	P	1.8
6	☐	250.000	260.971	1737364.12	0.3703	P	0.4
7	☐	500.000	504.115	3206101.42	0.7153	P	0.2
8	☐	1000.000	994.284	6343573.23	1.4107	A	0.2
9	☐			2536.45	0.0006	P	15.2

$$y = 0.0014 * x + 5.6482E-005$$

$$R = 0.9999$$

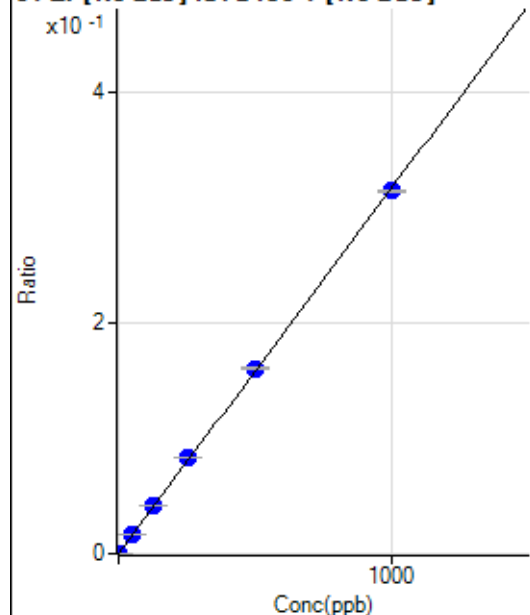
$$DL = 0.0146$$

$$BEC = 0.03981$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	69.45	0.0000	P	13.8
2	☐	0.100	0.087	211.12	0.0000	P	24.0
3	☐	1.000	0.988	1733.52	0.0003	P	8.6
4	☐	50.000	54.501	90546.61	0.0173	P	1.7
5	☐	125.000	132.439	216405.36	0.0420	P	1.9
6	☐	250.000	261.247	388989.33	0.0829	P	0.2
7	☐	500.000	506.435	720352.55	0.1607	P	0.6
8	☐	1000.000	992.816	1416676.98	0.3150	P	0.4
9	☐			580.59	0.0001	P	4.5

$$y = 3.1731E-004 * x + 1.2715E-005$$

$$R = 0.9999$$

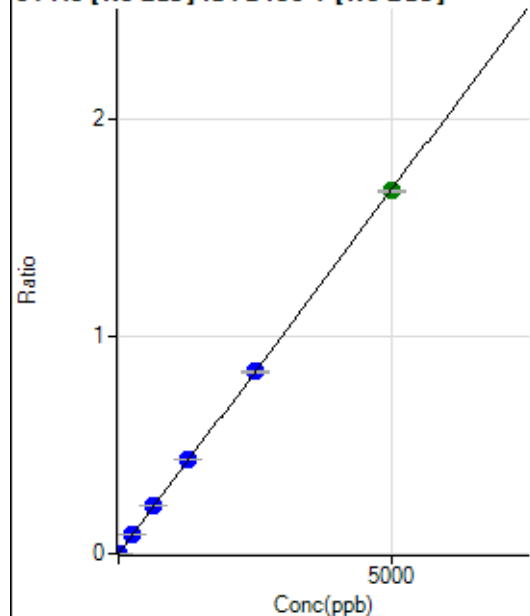
$$DL = 0.01655$$

$$BEC = 0.04007$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	152.79	0.0000	P	24.9
2	☐	0.500	0.489	1008.41	0.0002	P	5.4
3	☐	5.000	4.534	8211.05	0.0015	P	2.4
4	☐	250.000	273.021	478244.70	0.0914	P	0.6
5	☐	625.000	654.324	1127562.31	0.2190	P	1.7
6	☐	1250.000	1300.040	2041593.99	0.4352	P	0.8
7	☐	2500.000	2499.126	3749419.10	0.8365	P	1.0
8	☐	5000.000	4983.111	7500224.99	1.6679	A	0.2
9	☐			5095.56	0.0011	P	10.9

$$y = 3.3470E-004 * x + 2.7992E-005$$

$$R = 0.9999$$

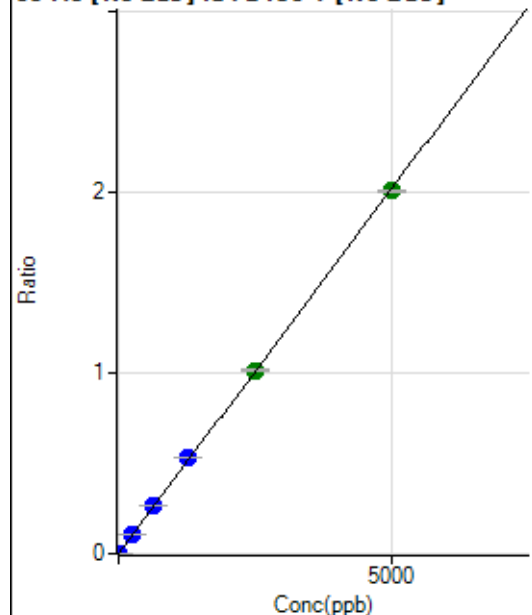
$$DL = 0.06237$$

$$BEC = 0.08363$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.56	0.0000	P	95.5
2	☐	0.500	0.543	1180.65	0.0002	P	1.7
3	☐	5.000	5.051	10854.56	0.0020	P	4.0
4	☐	250.000	275.425	581249.29	0.1111	P	0.2
5	☐	625.000	662.777	1376192.70	0.2673	P	1.9
6	☐	1250.000	1309.337	2477806.39	0.5281	P	0.5
7	☐	2500.000	2510.156	4538228.40	1.0125	A	0.8
8	☐	5000.000	4974.094	9021988.14	2.0063	A	0.2
9	☐			7480.09	0.0017	P	14.8

$$y = 4.0335E-004 * x + 5.5842E-006$$

$$R = 0.9999$$

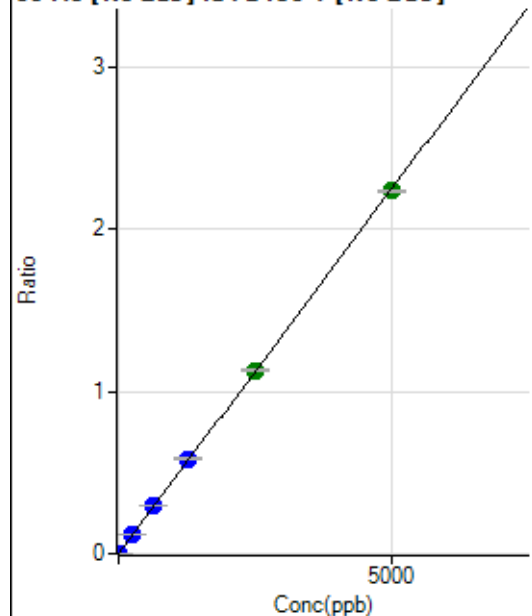
$$DL = 0.03966$$

$$BEC = 0.01384$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.89	0.0000	P	15.2
2	☐	0.500	0.473	1180.66	0.0002	P	9.4
3	☐	5.000	4.866	11685.89	0.0022	P	2.9
4	☐	250.000	272.557	641243.34	0.1226	P	0.4
5	☐	625.000	656.915	1520521.87	0.2954	P	2.5
6	☐	1250.000	1304.339	2751684.96	0.5865	P	0.4
7	☐	2500.000	2509.427	5057694.82	1.1284	A	0.8
8	☐	5000.000	4976.584	10062499.62	2.2377	A	0.4
9	☐			9828.81	0.0022	P	11.5

$$y = 4.4964E-004 * x + 1.1701E-005$$

$$R = 0.9999$$

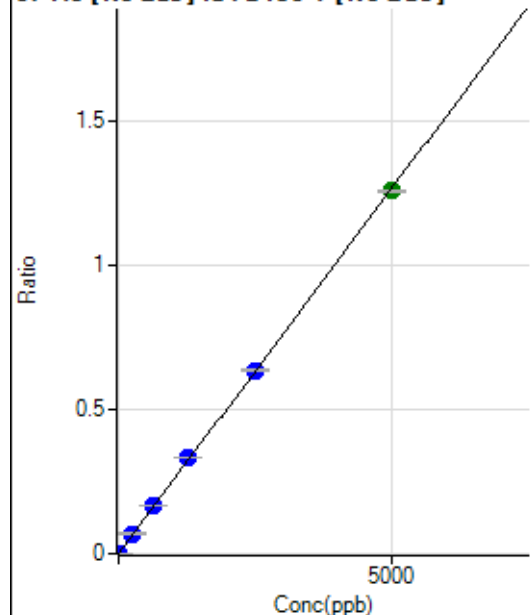
$$DL = 0.01184$$

$$BEC = 0.02602$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38.89	0.0000	P	12.3
2	☐	0.500	0.529	741.72	0.0001	P	7.9
3	☐	5.000	4.976	6729.62	0.0013	P	5.3
4	☐	250.000	276.566	366322.04	0.0700	P	0.6
5	☐	625.000	661.882	862601.53	0.1676	P	1.9
6	☐	1250.000	1319.010	1566600.66	0.3339	P	0.0
7	☐	2500.000	2510.931	2849118.31	0.6356	P	0.6
8	☐	5000.000	4971.343	5659125.38	1.2585	A	0.4
9	☐			4492.57	0.0010	P	14.1

$$y = 2.5314\text{E-}004 * x + 7.1207\text{E-}006$$

$$R = 0.9999$$

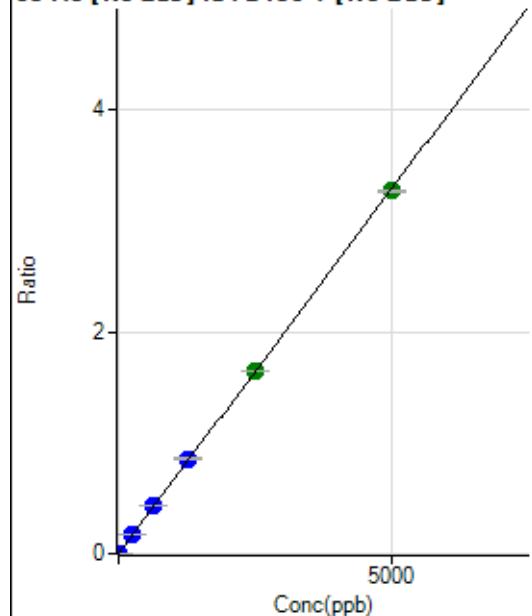
$$DL = 0.01038$$

$$BEC = 0.02813$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	12.0
2	☐	0.500	0.498	1786.31	0.0003	P	8.0
3	☐	5.000	4.832	16927.35	0.0032	P	1.3
4	☐	250.000	272.946	938056.85	0.1793	P	0.2
5	☐	625.000	656.848	2221112.05	0.4315	P	2.0
6	☐	1250.000	1305.456	4023115.24	0.8575	P	0.3
7	☐	2500.000	2508.770	7386355.46	1.6479	A	0.7
8	☐	5000.000	4976.623	14699747.03	3.2689	A	0.4
9	☐			11327.17	0.0025	P	10.7

$$y = 6.5685\text{E-}004 * x + 1.2203\text{E-}005$$

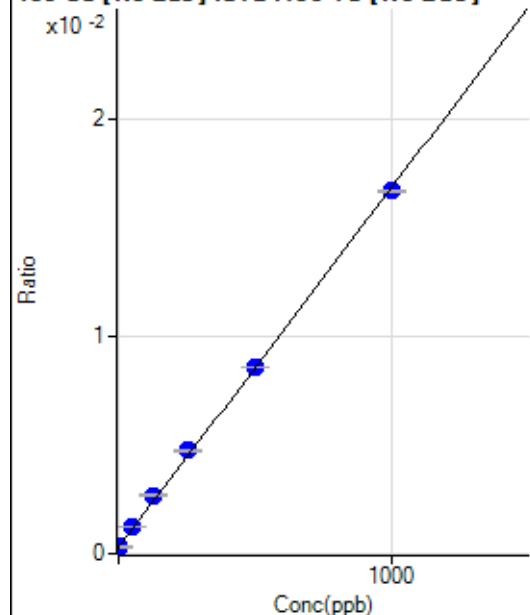
$$R = 0.9999$$

$$DL = 0.006678$$

$$BEC = 0.01858$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2189.16	0.0003	P	5.6
2	☐	0.100	0.437	2136.37	0.0003	P	13.6
3	☐	1.000	1.938	2353.10	0.0003	P	6.0
4	☐	50.000	59.239	9270.09	0.0013	P	1.3
5	☐	125.000	144.890	19881.25	0.0027	P	1.7
6	☐	250.000	270.598	33671.42	0.0048	P	2.0
7	☐	500.000	501.814	59673.54	0.0086	P	0.7
8	☐	1000.000	990.994	117404.93	0.0167	P	0.4
9	☐			2089.14	0.0003	P	4.2

$$y = 1.6559\text{E-}005 * x + 2.8719\text{E-}004$$

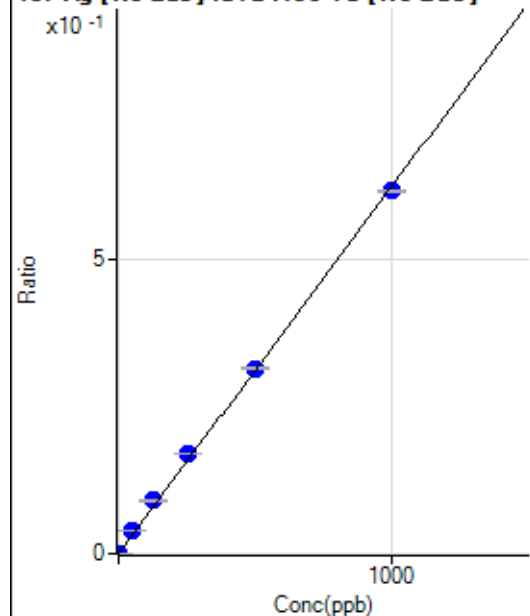
$$R = 0.9996$$

$$DL = 2.93$$

$$BEC = 17.34$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-149.75	0.0000	P	-30.
2	☐	0.100	0.109	348.60	0.0000	P	6.5
3	☐	1.000	1.046	4659.96	0.0006	P	1.5
4	☐	50.000	62.817	285977.63	0.0391	P	0.6
5	☐	125.000	145.136	669049.63	0.0904	P	2.2
6	☐	250.000	273.483	1203240.82	0.1704	P	0.4
7	☐	500.000	504.448	2181722.83	0.3143	P	0.9
8	☐	1000.000	988.747	4331877.04	0.6161	P	0.3
9	☐			356.39	0.0001	P	33.4

$$y = 6.2311\text{E-}004 * x - 1.9660\text{E-}005$$

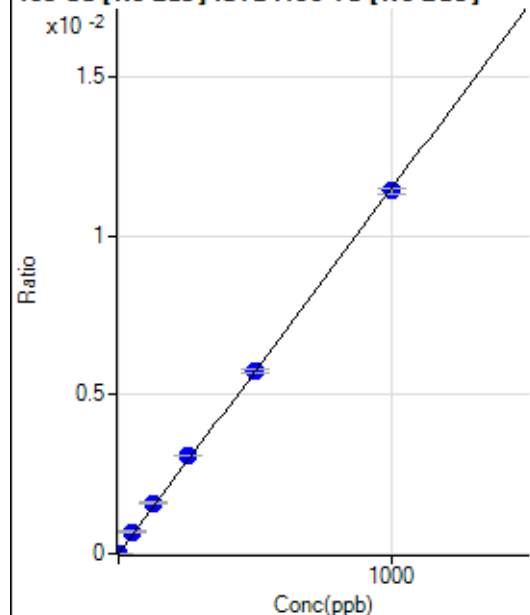
$$R = 0.9995$$

$$DL = 0.0292$$

$$BEC = -0.03155$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12.50	0.0000	P	33.0
2	☐	0.100	0.123	22.22	0.0000	P	75.7
3	☐	1.000	0.988	95.84	0.0000	P	9.0
4	☐	50.000	59.885	5048.24	0.0007	P	2.9
5	☐	125.000	139.185	11862.13	0.0016	P	1.6
6	☐	250.000	268.433	21819.87	0.0031	P	0.7
7	☐	500.000	499.588	39907.63	0.0057	P	1.8
8	☐	1000.000	993.331	80369.30	0.0114	P	1.3
9	☐			30.56	0.0000	P	26.6

$$y = 1.1505\text{E-}005 * x + 1.6385\text{E-}006$$

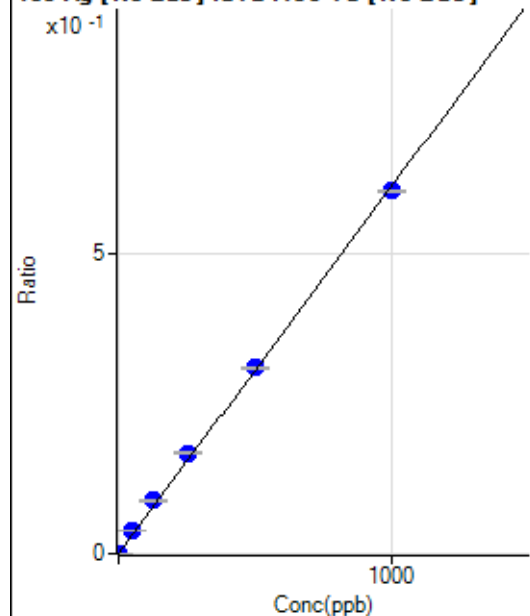
$$R = 0.9997$$

$$DL = 0.1409$$

$$BEC = 0.1424$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19.44	0.0000	P	49.4
2	☐	0.100	0.095	441.69	0.0001	P	9.2
3	☐	1.000	1.190	5387.35	0.0007	P	1.5
4	☐	50.000	62.395	279099.35	0.0382	P	0.3
5	☐	125.000	144.728	655317.97	0.0886	P	2.2
6	☐	250.000	274.527	1186228.06	0.1680	P	0.4
7	☐	500.000	505.560	2147289.52	0.3094	P	1.0
8	☐	1000.000	988.002	4250829.65	0.6046	P	0.4
9	☐			627.82	0.0001	P	20.0

$$y = 6.1189\text{E-}004 * x + 2.5491\text{E-}006$$

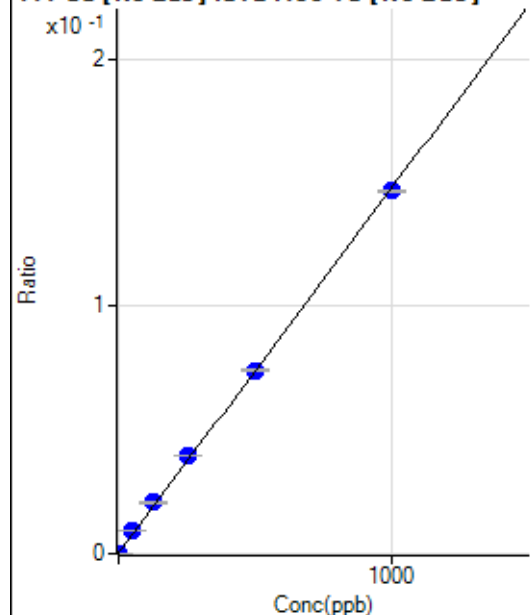
$$R = 0.9995$$

$$DL = 0.006173$$

$$BEC = 0.004166$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1540.33	0.0002	P	5.6
2	☐	0.100	0.122	1596.57	0.0002	P	11.8
3	☐	1.000	1.064	2646.81	0.0004	P	2.5
4	☐	50.000	59.547	65714.83	0.0090	P	0.7
5	☐	125.000	139.548	153893.01	0.0208	P	2.0
6	☐	250.000	268.547	281292.83	0.0398	P	0.6
7	☐	500.000	500.256	513862.98	0.0740	P	0.8
8	☐	1000.000	992.939	1031770.22	0.1467	P	0.5
9	☐			1671.57	0.0002	P	1.4

$$y = 1.4758\text{E-}004 * x + 2.0207\text{E-}004$$

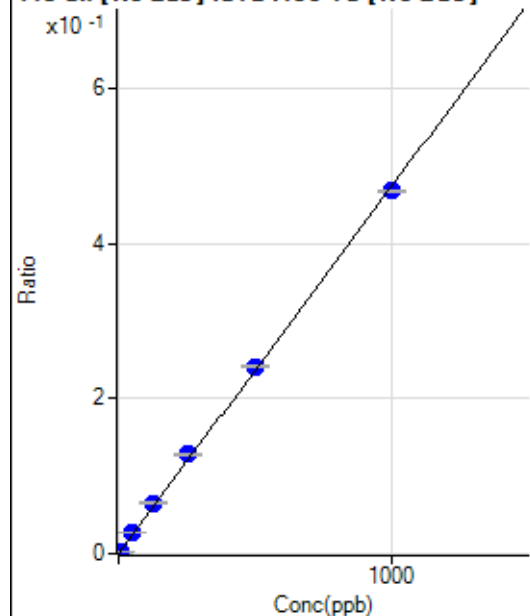
$$R = 0.9997$$

$$DL = 0.228$$

$$BEC = 1.369$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	519.48	0.0001	P	12.6
2	☐	0.500	0.445	2022.45	0.0003	P	2.6
3	☐	5.000	4.986	17900.95	0.0024	P	3.4
4	☐	50.000	58.762	203837.13	0.0279	P	0.7
5	☐	125.000	138.382	485234.27	0.0656	P	2.5
6	☐	250.000	270.201	903749.57	0.1280	P	0.8
7	☐	500.000	508.764	1672290.62	0.2409	P	1.0
8	☐	1000.000	988.457	3290629.87	0.4680	P	0.3
9	☐			3183.84	0.0005	P	8.1

$$y = 4.7339\text{E-}004 * x + 6.8169\text{E-}005$$

$$R = 0.9997$$

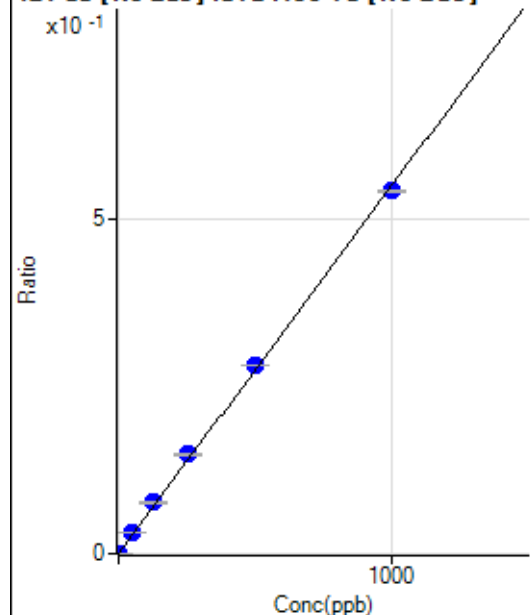
$$DL = 0.05447$$

$$BEC = 0.144$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.66	0.0000	P	86.2
2	☐	0.200	0.208	841.73	0.0001	P	4.5
3	☐	2.000	1.948	7888.66	0.0011	P	2.9
4	☐	50.000	58.506	234445.14	0.0321	P	0.4
5	☐	125.000	138.732	562745.37	0.0760	P	2.2
6	☐	250.000	269.818	1044445.50	0.1479	P	0.5
7	☐	500.000	512.611	1950505.95	0.2810	P	0.6
8	☐	1000.000	986.598	3802721.18	0.5408	P	0.6
9	☐			5517.96	0.0008	P	5.5

$$y = 5.4816E-004 * x + 2.1808E-006$$

$$R = 0.9996$$

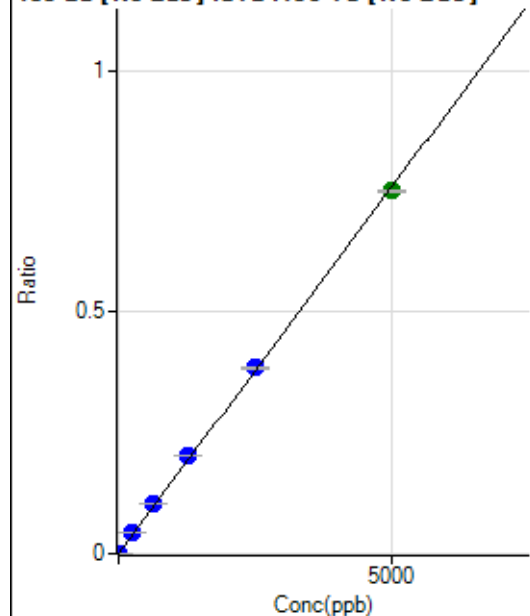
$$DL = 0.01029$$

$$BEC = 0.003978$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0000	P	16.3
2	☐	1.000	1.051	1202.88	0.0002	P	4.5
3	☐	10.000	10.106	11341.20	0.0015	P	2.1
4	☐	250.000	291.840	323418.78	0.0442	P	0.7
5	☐	625.000	687.269	770945.15	0.1042	P	2.1
6	☐	1250.000	1337.574	1431821.03	0.2028	P	0.1
7	☐	2500.000	2534.094	2666453.55	0.3841	P	0.5
8	☐	5000.000	4951.184	5277214.79	0.7505	A	0.2
9	☐			1347.35	0.0002	P	20.0

$$y = 1.5158E-004 * x + 6.5570E-006$$

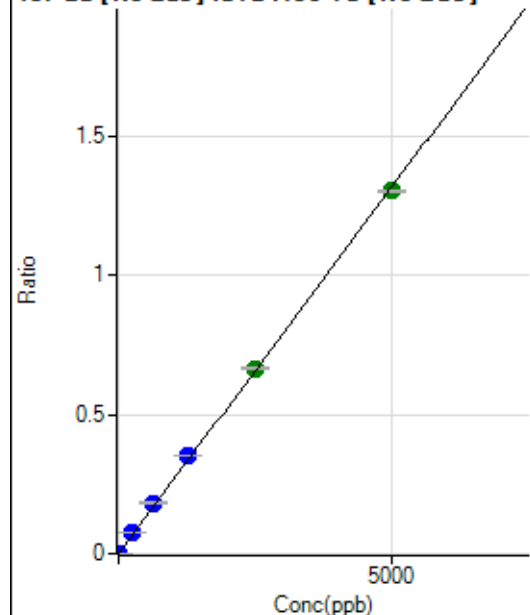
$$R = 0.9997$$

$$DL = 0.02115$$

$$BEC = 0.04326$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	25.00	0.0000	P	33.6
2	☐	1.000	1.017	1961.34	0.0003	P	1.6
3	☐	10.000	10.116	19611.82	0.0027	P	3.0
4	☐	250.000	290.454	557766.23	0.0763	P	0.8
5	☐	625.000	688.234	1337828.88	0.1808	P	2.3
6	☐	1250.000	1333.023	2472874.71	0.3502	P	0.9
7	☐	2500.000	2530.465	4614239.99	0.6647	A	0.5
8	☐	5000.000	4954.085	9150647.08	1.3014	A	0.2
9	☐			2372.53	0.0004	P	19.9

$$y = 2.6269E-004 * x + 3.2823E-006$$

$$R = 0.9998$$

$$DL = 0.0126$$

$$BEC = 0.01249$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			6.67		P	100.
3	☐			6.67		P	173.
4	☐			44.45		P	45.8
5	☐			68.89		P	14.8
6	☐			153.34		P	7.5
7	☐			257.79		P	5.4
8	☐			493.36		P	10.7
9	☐			102.23		P	18.8

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			0.00		P	
3	☐			0.00		P	
4	☐			3.33		P	100.
5	☐			15.56		P	49.5
6	☐			23.33		P	51.5
7	☐			26.67		P	33.1
8	☐			50.00		P	33.3
9	☐			51.11		P	7.5

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.78		P	173.
2	☐			5.56		P	173.
3	☐			2.78		P	173.
4	☐			11.11		P	86.6
5	☐			13.89		P	34.7
6	☐			52.78		P	9.1
7	☐			41.67		P	34.6
8	☐			72.23		P	17.6
9	☐			41.67		P	40.0

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.
2	☐			2.22		P	86.6
3	☐			2.22		P	86.6
4	☐			8.89		P	57.3
5	☐			24.44		P	41.7
6	☐			42.22		P	12.1
7	☐			64.44		P	21.5
8	☐			143.34		P	11.6
9	☐			28.89		P	43.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			33.33		P	25.0
2	☐			22.22		P	21.6
3	☐			13.89		P	91.6
4	☐			36.11		P	58.1
5	☐			38.89		P	44.6
6	☐			19.44		P	65.5
7	☐			27.78		P	34.6
8	☐			36.11		P	35.3
9	☐			55.56		P	17.3

160 Gd [He] No available calibration points

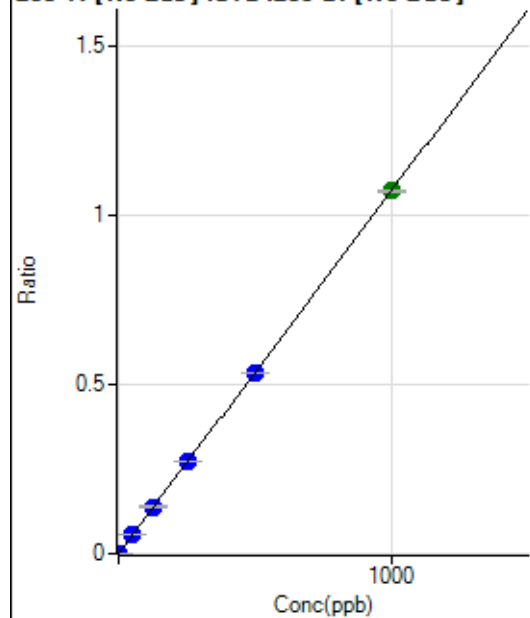
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			137.78		P	14.8
2	☐			137.78		P	16.1
3	☐			132.23		P	19.1
4	☐			138.89		P	6.9
5	☐			113.34		P	7.8
6	☐			130.00		P	13.6
7	☐			106.67		P	19.5
8	☐			120.00		P	19.4
9	☐			147.78		P	24.1

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			19.44		P	99.0
2	☐			30.56		P	56.8
3	☐			13.89		P	34.7
4	☐			11.11		P	43.3
5	☐			11.11		P	114.
6	☐			22.22		P	57.3
7	☐			33.33		P	43.3
8	☐			47.23		P	40.8
9	☐			41.67		P	69.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			12.22		P	41.7
2	☐			13.33		P	90.2
3	☐			16.67		P	34.6
4	☐			12.22		P	63.0
5	☐			22.22		P	34.7
6	☐			12.22		P	31.5
7	☐			11.11		P	45.8
8	☐			11.11		P	45.8
9	☐			20.00		P	0.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	141.67	0.0000	P	41.6
2	☐	0.100	0.089	605.60	0.0001	P	8.5
3	☐	1.000	0.891	4881.67	0.0010	P	3.1
4	☐	50.000	53.062	280574.34	0.0569	P	0.6
5	☐	125.000	128.626	689628.77	0.1379	P	2.6
6	☐	250.000	255.229	1325325.12	0.2736	P	0.3
7	☐	500.000	497.050	2533494.87	0.5328	P	0.1
8	☐	1000.000	999.561	5071376.85	1.0713	A	0.8
9	☐			2083.60	0.0005	P	12.7

$$y = 0.0011 * x + 2.7388E-005$$

$$R = 1.0000$$

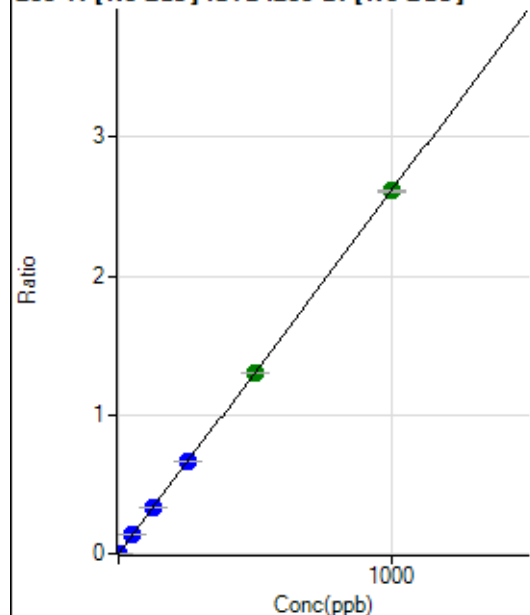
$$DL = 0.03189$$

$$BEC = 0.02555$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	383.36	0.0001	P	12.5
2	☐	0.100	0.088	1500.15	0.0003	P	9.0
3	☐	1.000	0.898	12030.97	0.0024	P	1.9
4	☐	50.000	52.730	679847.42	0.1379	P	0.4
5	☐	125.000	127.691	1669256.48	0.3338	P	2.6
6	☐	250.000	255.813	3238774.14	0.6686	P	0.5
7	☐	500.000	497.143	6178247.71	1.2992	A	0.5
8	☐	1000.000	999.503	12364132.57	2.6120	A	0.5
9	☐			4726.07	0.0011	P	11.3

$$y = 0.0026 * x + 7.4045E-005$$

$$R = 1.0000$$

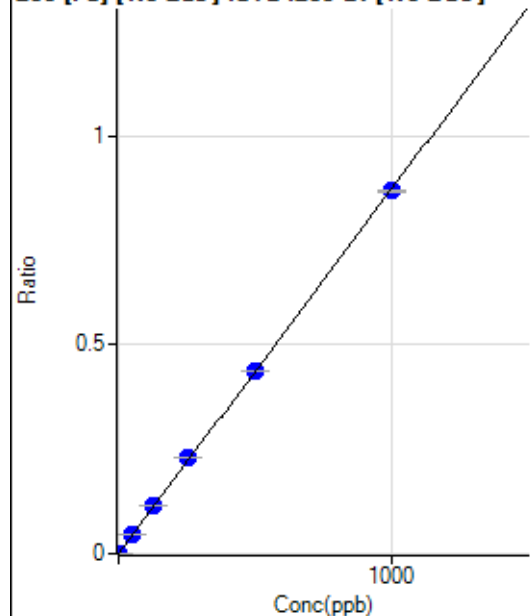
$$DL = 0.01065$$

$$BEC = 0.02833$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	451.87	0.0001	P	11.4
2	☐	0.100	0.123	955.62	0.0002	P	0.8
3	☐	1.000	0.950	4552.76	0.0009	P	1.5
4	☐	50.000	54.275	234154.47	0.0475	P	0.7
5	☐	125.000	130.981	572534.52	0.1145	P	2.3
6	☐	250.000	261.723	1107630.95	0.2286	P	0.4
7	☐	500.000	501.638	2083589.69	0.4382	P	0.5
8	☐	1000.000	995.289	4114643.47	0.8692	P	0.5
9	☐			7005.75	0.0017	P	9.0

$$y = 8.7327E-004 * x + 8.7267E-005$$

$$R = 0.9999$$

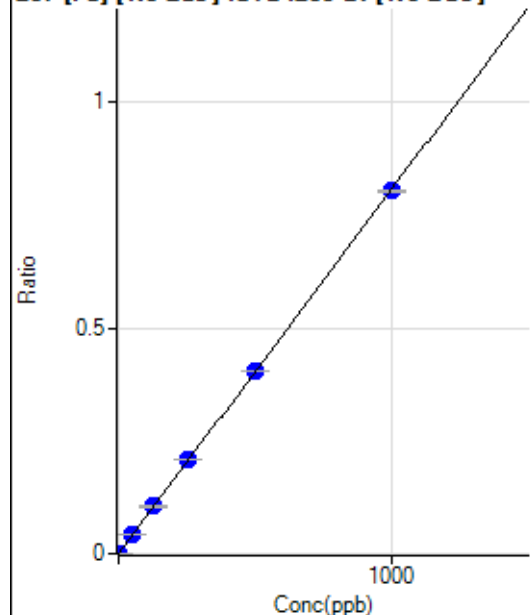
$$DL = 0.03424$$

$$BEC = 0.09993$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	414.83	0.0001	P	12.8
2	☐	0.100	0.109	827.83	0.0002	P	8.8
3	☐	1.000	0.925	4110.03	0.0008	P	5.9
4	☐	50.000	54.075	215720.37	0.0437	P	0.2
5	☐	125.000	129.909	525091.10	0.1050	P	2.3
6	☐	250.000	259.432	1015276.85	0.2096	P	0.1
7	☐	500.000	501.313	1925476.46	0.4049	P	0.5
8	☐	1000.000	996.168	3808222.97	0.8045	P	0.5
9	☐			5882.94	0.0014	P	9.0

$$y = 8.0752E-004 * x + 8.0071E-005$$

$$R = 0.9999$$

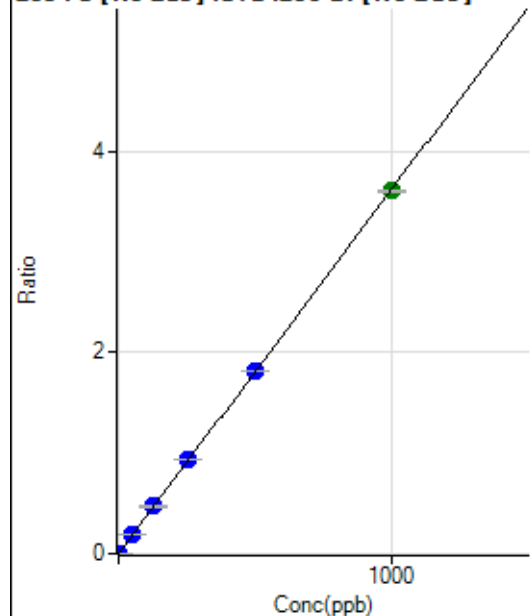
$$DL = 0.03816$$

$$BEC = 0.09916$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1863.07	0.0004	P	2.8
2	☐	0.100	0.124	3978.14	0.0008	P	2.7
3	☐	1.000	0.904	18018.17	0.0036	P	3.0
4	☐	50.000	54.059	965469.20	0.1958	P	0.2
5	☐	125.000	130.075	2353721.53	0.4706	P	2.4
6	☐	250.000	259.710	4550088.17	0.9393	P	0.3
7	☐	500.000	500.611	8607974.64	1.8101	P	0.2
8	☐	1000.000	996.430	17053342.22	3.6026	A	0.4
9	☐			27246.84	0.0066	P	8.6

$$y = 0.0036 * x + 3.5969E-004$$

$$R = 0.9999$$

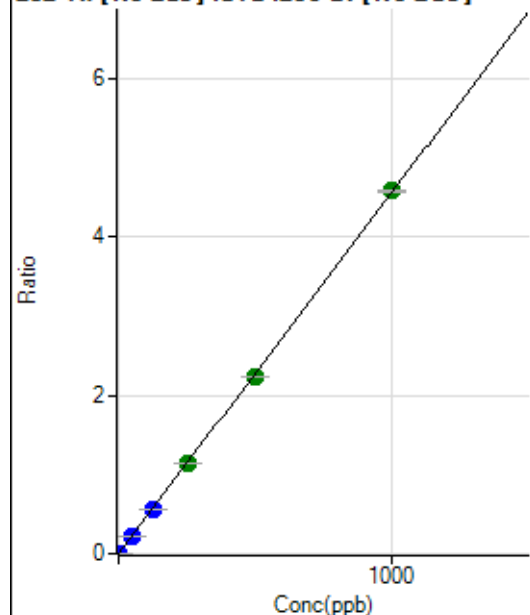
$$DL = 0.008282$$

$$BEC = 0.0995$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	101.85	0.0000	P	35.3
2	☐	0.100	0.080	1900.20	0.0004	P	3.6
3	☐	1.000	0.802	18279.88	0.0037	P	3.1
4	☐	50.000	49.864	1121863.02	0.2275	P	0.3
5	☐	125.000	122.656	2798812.44	0.5596	P	2.4
6	☐	250.000	248.549	5493256.02	1.1339	A	0.1
7	☐	500.000	491.025	10652825.47	2.2401	A	0.3
8	☐	1000.000	1005.150	21706944.23	4.5857	A	0.3
9	☐			7270.75	0.0018	P	17.7

$$y = 0.0046 * x + 1.9679E-005$$

$$R = 0.9999$$

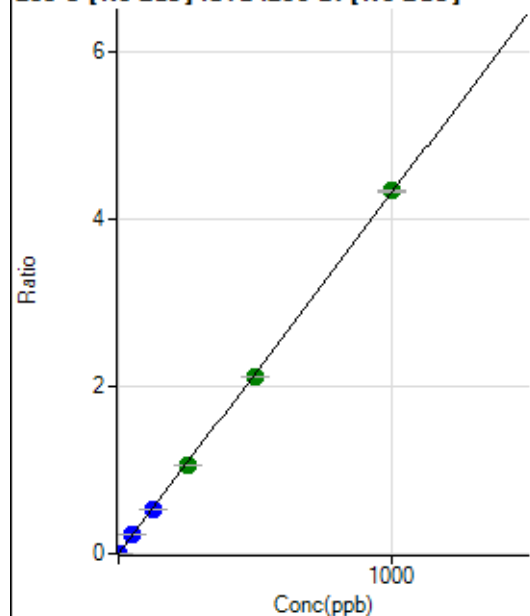
$$DL = 0.004562$$

$$BEC = 0.004314$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	97.23	0.0000	P	35.8
2	☐	0.100	0.085	1889.10	0.0004	P	1.9
3	☐	1.000	0.863	18597.25	0.0037	P	2.6
4	☐	50.000	51.071	1087176.13	0.2205	P	0.1
5	☐	125.000	122.745	2650171.52	0.5299	P	2.2
6	☐	250.000	247.500	5175659.45	1.0684	A	0.2
7	☐	500.000	489.280	10043625.92	2.1120	A	0.4
8	☐	1000.000	1006.213	20560385.01	4.3434	A	0.6
9	☐			3042.15	0.0007	P	17.2

$$y = 0.0043 * x + 1.8785E-005$$

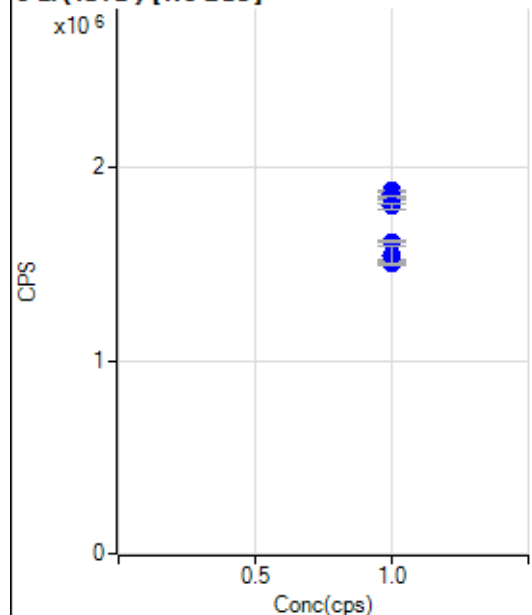
$$R = 0.9999$$

$$DL = 0.004678$$

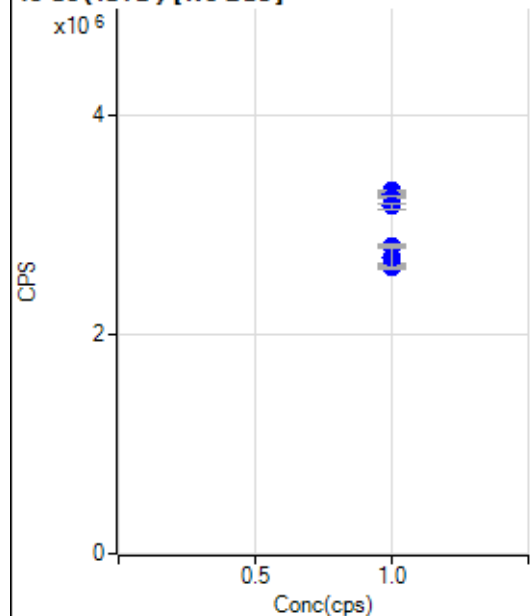
$$BEC = 0.004352$$

Weight: <None>

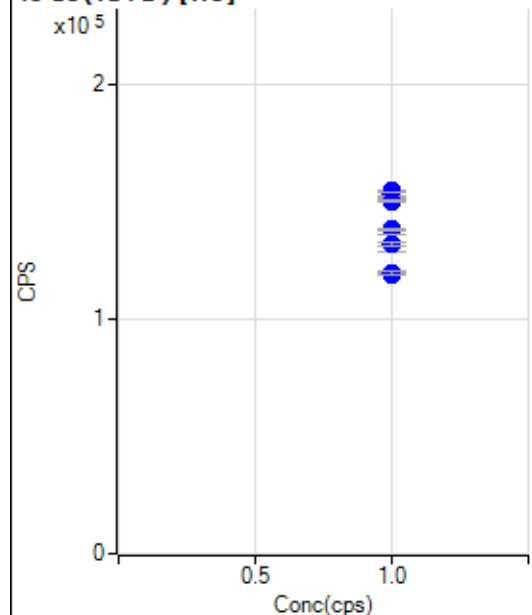
Min Conc: 0

6 Li (ISTD) [No Gas]

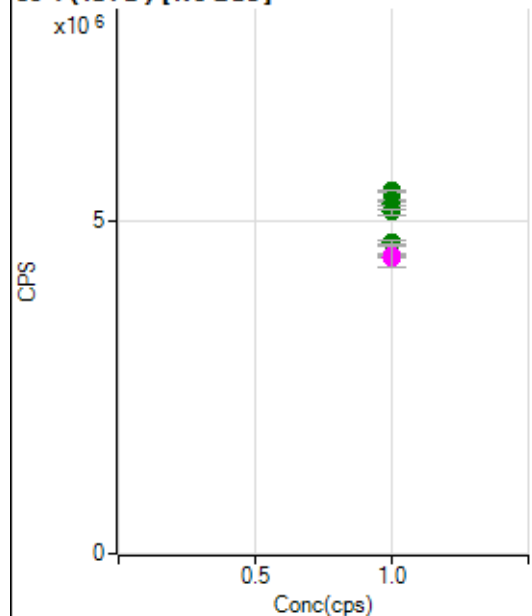
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1843091.34		P	0.4
2	☐	1.000		1864673.18		P	1.0
3	☐	1.000		1881501.35		P	0.6
4	☐	1.000		1852273.09		P	0.3
5	☐	1.000		1800112.10		P	1.7
6	☐	1.000		1617281.55		P	0.6
7	☐	1.000		1520103.50		P	0.5
8	☐	1.000		1505854.70		P	0.7
9	☐	1.000		1550549.99		P	6.3

45 Sc (ISTD) [No Gas]

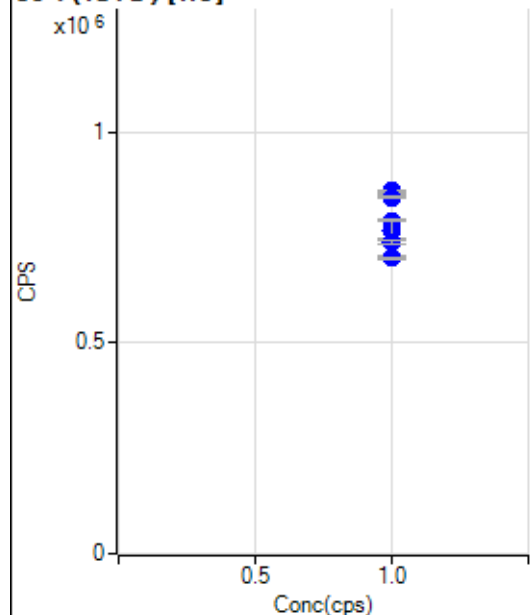
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3290840.57		P	0.4
2	☐	1.000		3292963.85		P	1.2
3	☐	1.000		3315741.65		P	0.8
4	☐	1.000		3259618.30		P	0.4
5	☐	1.000		3174188.96		P	1.8
6	☐	1.000		2808642.90		P	1.1
7	☐	1.000		2641452.42		P	0.3
8	☐	1.000		2622006.53		P	0.5
9	☐	1.000		2704677.06		P	8.0

45 Sc (ISTD) [He]

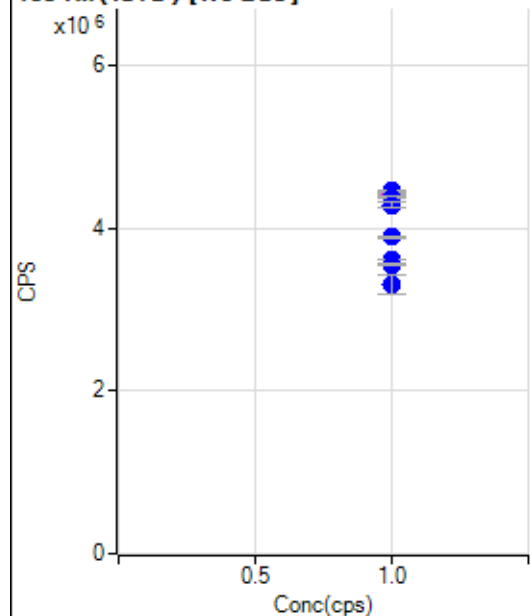
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		151473.74		P	0.5
2	☐	1.000		154493.29		P	0.6
3	☐	1.000		153321.35		P	1.1
4	☐	1.000		149986.34		P	0.5
5	☐	1.000		138053.50		P	0.3
6	☐	1.000		132213.45		P	5.5
7	☐	1.000		119027.37		P	0.7
8	☐	1.000		119505.79		P	1.0
9	☐	1.000		131857.76		P	1.8

89 Y (ISTD) [No Gas]

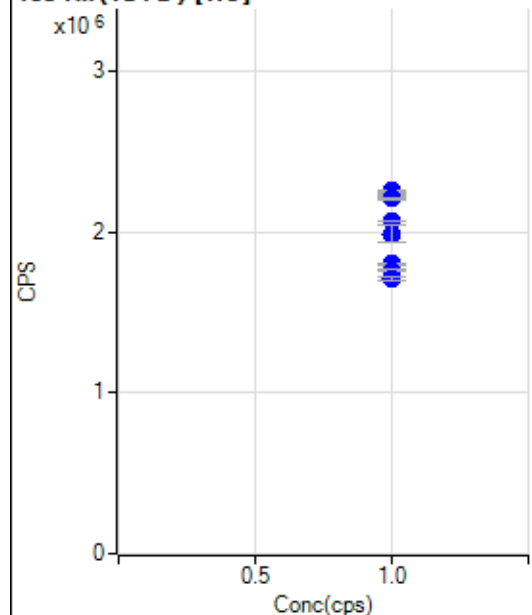
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5461194.57		A	0.5
2	☐	1.000		5261348.77		A	0.9
3	☐	1.000		5312848.88		A	0.6
4	☐	1.000		5231897.18		A	0.2
5	☐	1.000		5148835.69		A	1.7
6	☐	1.000		4691759.41		A	0.9
7	☐	1.000		4482447.36		M	0.9
8	☐	1.000		4496861.91		M	0.5
9	☐	1.000		4469864.14		M	7.1

89 Y (ISTD) [He]

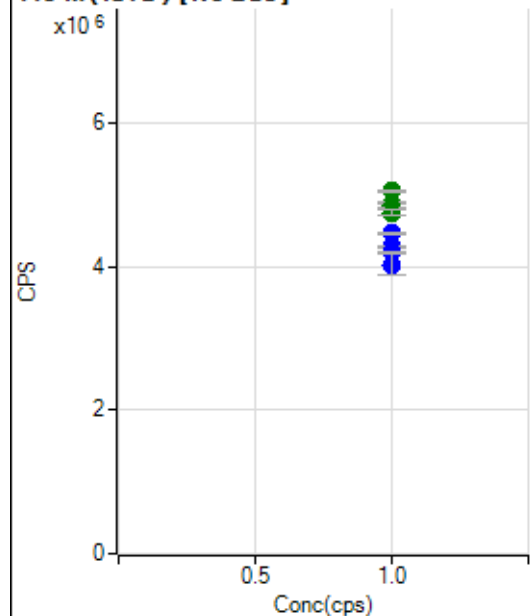
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		850040.04		P	0.5
2	☐	1.000		861050.99		P	0.3
3	☐	1.000		858493.80		P	0.6
4	☐	1.000		846480.96		P	0.5
5	☐	1.000		791818.89		P	0.6
6	☐	1.000		767537.14		P	5.2
7	☐	1.000		702922.74		P	0.9
8	☐	1.000		700739.01		P	0.4
9	☐	1.000		738974.18		P	1.8

103 Rh (ISTD) [No Gas]

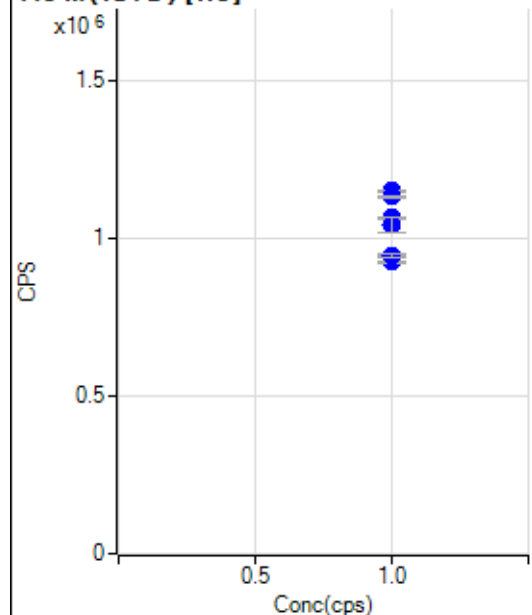
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4399216.55		P	0.3
2	☐	1.000		4417431.52		M	1.4
3	☐	1.000		4454747.67		P	0.6
4	☐	1.000		4379751.75		P	0.6
5	☐	1.000		4277929.09		P	1.7
6	☐	1.000		3887477.60		P	0.6
7	☐	1.000		3611544.83		P	0.1
8	☐	1.000		3546234.67		P	0.7
9	☐	1.000		3308550.62		P	7.1

103 Rh (ISTD) [He]

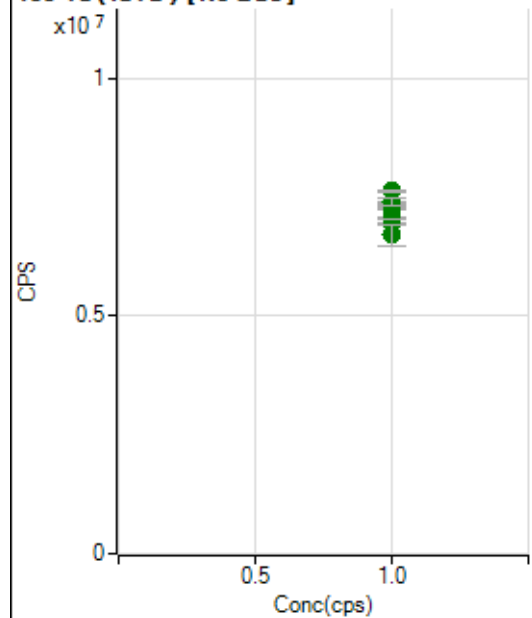
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2231326.27		P	0.3
2	☐	1.000		2254362.62		P	0.2
3	☐	1.000		2253038.14		P	0.4
4	☐	1.000		2209751.88		P	0.6
5	☐	1.000		2066035.58		P	0.3
6	☐	1.000		1988984.97		P	5.4
7	☐	1.000		1802504.95		P	0.5
8	☐	1.000		1760458.95		P	0.3
9	☐	1.000		1706718.67		P	1.2

115 In (ISTD) [No Gas]

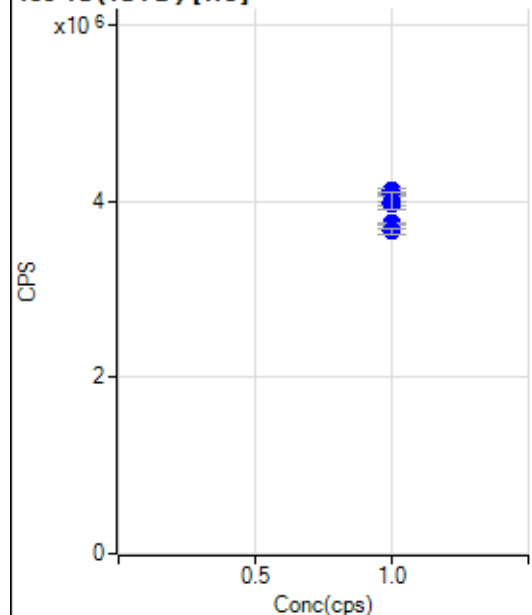
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5056422.68		A	0.8
2	☐	1.000		4839224.92		A	1.1
3	☐	1.000		4890694.25		A	0.4
4	☐	1.000		4816466.31		A	0.5
5	☐	1.000		4751482.31		A	1.8
6	☐	1.000		4466925.61		P	0.4
7	☐	1.000		4276422.54		P	0.6
8	☐	1.000		4203951.37		P	0.6
9	☐	1.000		4023775.51		P	7.2

115 In (ISTD) [He]

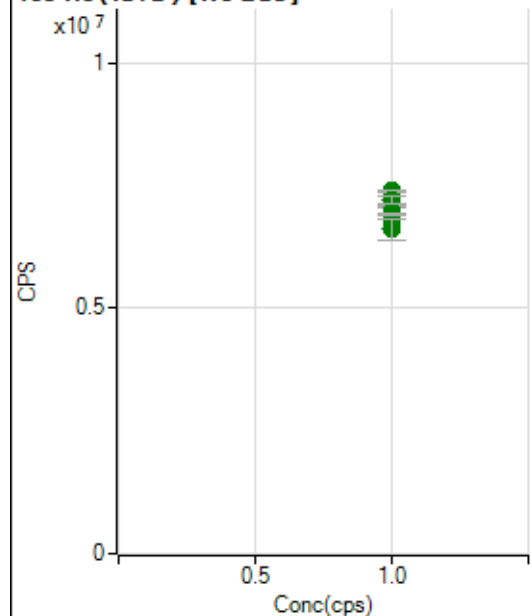
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1132322.46		P	0.4
2	☐	1.000		1148019.81		P	0.7
3	☐	1.000		1149053.67		P	0.5
4	☐	1.000		1130051.56		P	0.5
5	☐	1.000		1064015.30		P	0.5
6	☐	1.000		1039236.57		P	4.8
7	☐	1.000		945854.04		P	0.7
8	☐	1.000		922980.79		P	0.3
9	☐	1.000		942053.49		P	1.2

159 Tb (ISTD) [No Gas]

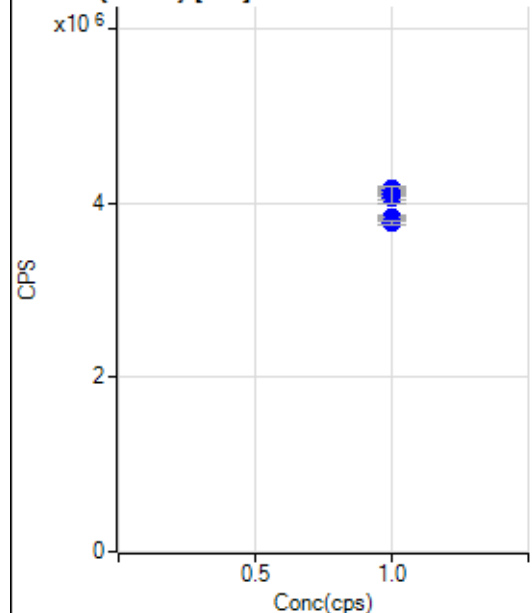
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7622926.00		A	0.4
2	☐	1.000		7252858.23		A	1.0
3	☐	1.000		7370983.08		A	0.5
4	☐	1.000		7309834.68		A	0.2
5	☐	1.000		7401654.54		A	1.9
6	☐	1.000		7061612.47		A	0.3
7	☐	1.000		6941462.47		A	0.4
8	☐	1.000		7031353.78		A	0.5
9	☐	1.000		6695350.67		A	6.8

159 Tb (ISTD) [He]

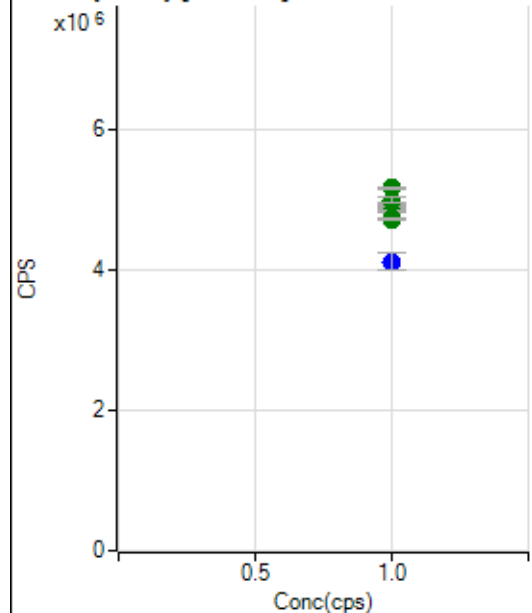
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4060421.57		P	0.7
2	☐	1.000		4091172.09		P	0.5
3	☐	1.000		4114168.83		P	0.9
4	☐	1.000		4077428.58		P	0.6
5	☐	1.000		3966753.41		P	1.0
6	☐	1.000		3996876.54		P	4.6
7	☐	1.000		3740538.42		P	0.7
8	☐	1.000		3736466.13		P	0.5
9	☐	1.000		3657142.03		P	1.5

165 Ho (ISTD) [No Gas]

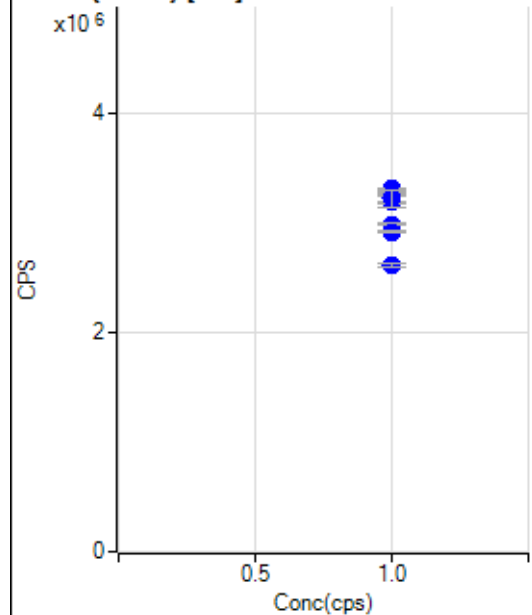
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7398575.51		A	0.6
2	☐	1.000		7090329.76		A	0.6
3	☐	1.000		7137454.76		A	0.2
4	☐	1.000		7133221.77		A	0.5
5	☐	1.000		7217513.01		A	1.9
6	☐	1.000		6898635.96		A	0.4
7	☐	1.000		6819964.91		A	0.4
8	☐	1.000		6937593.64		A	0.5
9	☐	1.000		6611954.66		A	6.8

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4110409.55		P	0.6
2	☐	1.000		4154279.59		P	0.6
3	☐	1.000		4158433.17		P	0.6
4	☐	1.000		4149091.15		P	0.8
5	☐	1.000		4058387.65		P	0.7
6	☐	1.000		4095765.87		P	4.7
7	☐	1.000		3845931.85		P	0.7
8	☐	1.000		3832188.86		P	0.5
9	☐	1.000		3763241.30		P	1.2

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5179219.33		A	0.5
2	☐	1.000		4915673.40		A	0.9
3	☐	1.000		4967963.36		A	0.3
4	☐	1.000		4931114.06		A	0.3
5	☐	1.000		5003056.87		A	1.9
6	☐	1.000		4844395.20		A	0.3
7	☐	1.000		4755398.82		A	0.1
8	☐	1.000		4733690.63		A	0.7
9	☐	1.000		4130704.21		P	6.2

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3244665.61		P	0.5
2	☐	1.000		3303012.56		P	0.2
3	☐	1.000		3303559.81		P	0.4
4	☐	1.000		3262015.20		P	0.8
5	☐	1.000		3178662.31		P	1.0
6	☐	1.000		3218812.24		P	5.1
7	☐	1.000		2984776.83		P	0.6
8	☐	1.000		2911417.59		P	0.6
9	☐	1.000		2604937.43		P	1.1