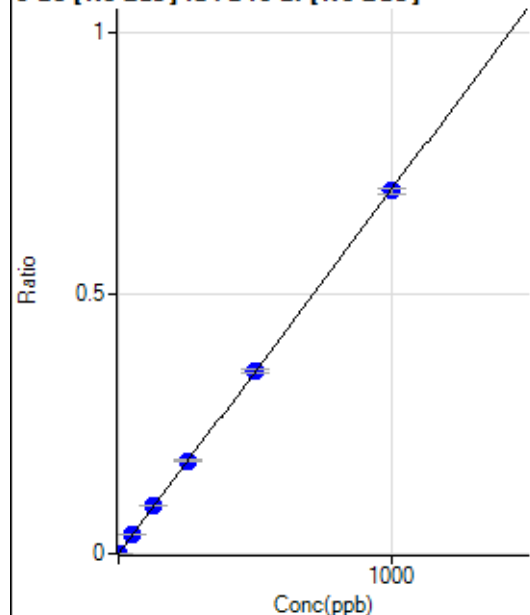


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8060221-MS.b\
Analysis File: P8060221-MS.batch.bin
DA Date-Time: 2021-06-03 01:18:31
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2021-06-02 15:20:03
2	004CALS.d	S01	2021-06-02 15:23:09
3	007CALS.d	S02	2021-06-02 15:32:23
4	008CALS.d	S03	2021-06-02 15:35:29
5	009CALS.d	S04	2021-06-02 15:38:32
6	010CALS.d	S05	2021-06-02 15:41:35
7	011CALS.d	S06	2021-06-02 15:44:33
8	012CALS.d	S07	2021-06-02 15:47:34
9	013CALS.d	S08	2021-06-02 15:50:32

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15.33	0.0000	P	13.7
2	☐	0.100	0.119	96.65	0.0001	P	4.1
3	☐	1.000	1.068	735.87	0.0008	P	2.4
4	☐	50.000	52.475	36104.75	0.0367	P	1.0
5	☐	125.000	130.021	91009.88	0.0909	P	0.7
6	☐	250.000	254.226	181445.76	0.1778	P	2.3
7	☐	500.000	503.836	361669.24	0.3523	P	2.1
8	☐	1000.000	996.274	731451.21	0.6965	P	1.4
9	☐			113.31	0.0001	P	5.0

$$y = 6.9914\text{E-}004 * x + 1.5957\text{E-}005$$

$$R = 1.0000$$

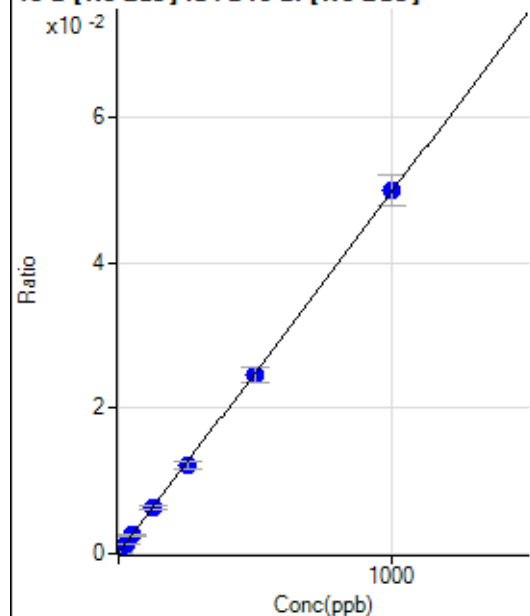
$$DL = 0.009377$$

$$BEC = 0.02282$$

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	92.65	0.0001	P	9.2
2	☐	2.500	2.374	208.63	0.0002	P	13.4
3	☐	25.000	25.632	1317.80	0.0014	P	8.1
4	☐	50.000	50.031	2535.72	0.0026	P	5.5
5	☐	125.000	125.176	6310.80	0.0063	P	10.4
6	☐	250.000	242.805	12395.48	0.0121	P	10.0
7	☐	500.000	494.892	25290.71	0.0246	P	8.4
8	☐	1000.000	1004.314	52371.05	0.0499	P	8.6
9	☐			6786.25	0.0064	P	10.9

$$y = 4.9576\text{E-}005 * x + 9.6565\text{E-}005$$

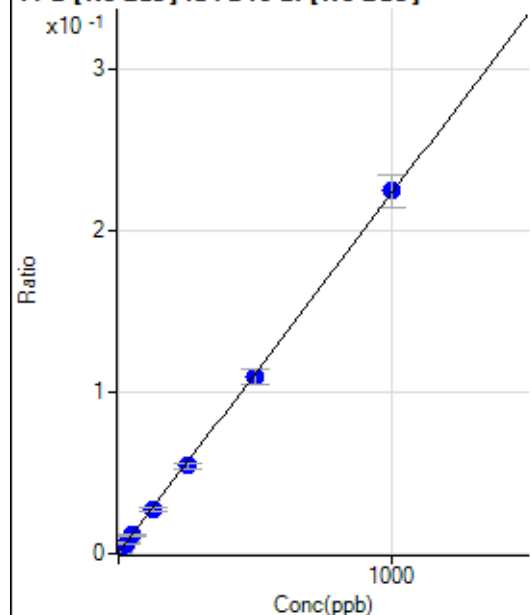
$$R = 0.9999$$

$$DL = 0.5402$$

$$BEC = 1.948$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	389.93	0.0004	P	3.2
2	☐	2.500	2.174	865.19	0.0009	P	11.2
3	☐	25.000	26.135	5986.73	0.0062	P	12.3
4	☐	50.000	49.665	11262.78	0.0114	P	8.5
5	☐	125.000	121.013	27340.74	0.0273	P	9.6
6	☐	250.000	242.541	55478.82	0.0543	P	7.9
7	☐	500.000	489.611	112139.23	0.1092	P	8.5
8	☐	1000.000	1007.547	235503.58	0.2243	P	8.9
9	☐			29970.00	0.0283	P	12.4

$$y = 2.2225E-004 * x + 4.0634E-004$$

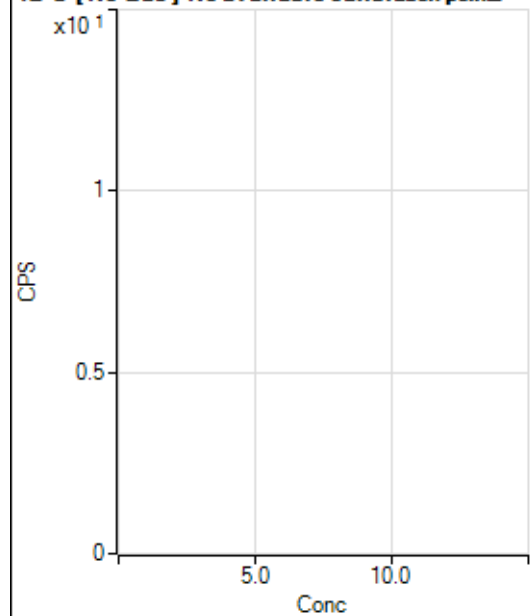
$$R = 0.9999$$

$$DL = 0.177$$

$$BEC = 1.828$$

Weight: <None>

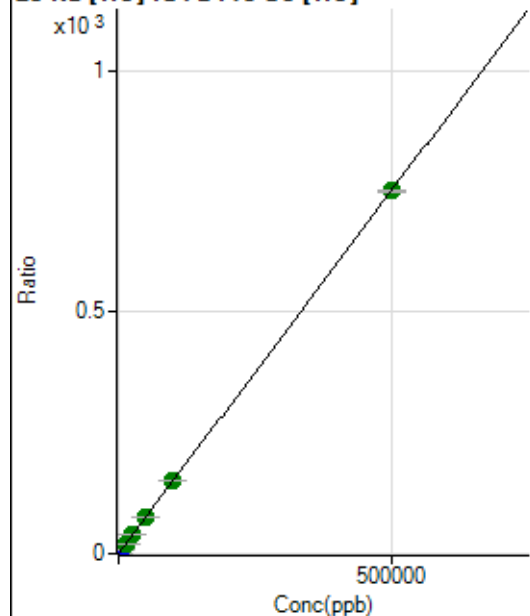
Min Conc: 0

12 C [No Gas] No available calibration points

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			2188763.59		A	0.6
2	☐			2637149.41		A	1.9
3	☐			2737667.40		A	2.1
4	☐			2857393.14		A	1.9
5	☐			2905393.49		A	2.1
6	☐			2961156.70		A	2.5
7	☐			3118083.16		A	4.5
8	☐			3254787.86		A	3.4
9	☐			3102817.86		A	1.5

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			23363.53		P	3.0
2	☐			29018.03		P	1.3
3	☐			29210.05		P	2.1
4	☐			32105.07		P	0.9
5	☐			32478.12		P	0.7
6	☐			32945.87		P	2.1
7	☐			35164.75		P	1.4
8	☐			37829.75		P	1.5
9	☐			36749.22		P	1.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	6851.79	0.1226	P	1.3
2	☐	50.000	47.904	11065.59	0.1945	P	3.9
3	☐	500.000	522.551	50563.34	0.9074	P	3.0
4	☐	5000.000	5088.044	448032.95	7.7646	P	4.9
5	☐	12500.000	12809.186	1117863.34	19.3615	A	1.0
6	☐	25000.000	25576.355	2224570.52	38.5373	A	1.2
7	☐	50000.000	50616.997	4316279.61	76.1475	A	1.1
8	☐	100000.00	100782.37	8316338.81	151.4941	A	1.1
9	☐	500000.00	499744.37	41699189.13	750.7208	A	0.3

$$y = 0.0015 * x + 0.1226$$

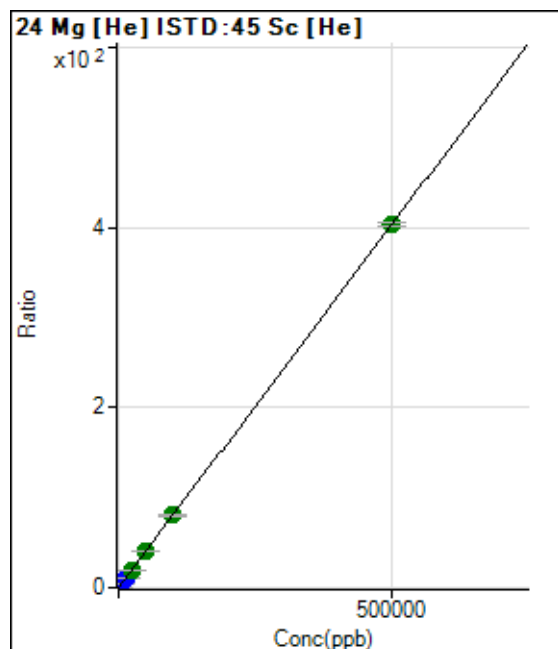
$$R = 1.0000$$

$$DL = 3.247$$

$$BEC = 81.6$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	277.79	0.0050	P	14.3
2	☐	50.000	48.381	2503.06	0.0440	P	4.2
3	☐	500.000	515.896	23461.04	0.4210	P	3.1
4	☐	5000.000	5047.781	235226.59	4.0759	P	4.3
5	☐	12500.000	12669.462	590203.18	10.2226	P	0.8
6	☐	25000.000	24878.452	1158495.94	20.0689	A	1.4
7	☐	50000.000	49962.708	2284283.12	40.2989	A	0.1
8	☐	100000.00	99556.820	4407796.24	80.2956	A	0.5
9	☐	500000.00	500093.71	22401743.91	403.3205	A	0.9

$$y = 8.0648\text{E-}004 * x + 0.0050$$

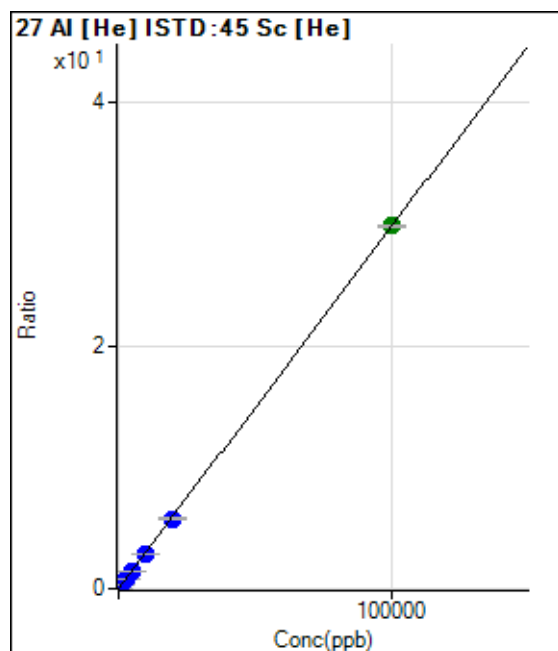
$$R = 1.0000$$

$$DL = 2.648$$

$$BEC = 6.164$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	231.64	0.0041	P	4.4
2	☒	2.000					
3	☐	20.000	20.780	576.19	0.0103	P	2.0
4	☐	1000.000	969.431	16919.77	0.2932	P	5.0
5	☐	2500.000	2437.386	42203.31	0.7310	P	0.5
6	☐	5000.000	4841.629	83581.06	1.4479	P	1.1
7	☐	10000.000	9636.183	163115.54	2.8777	P	0.9
8	☐	20000.000	19344.400	316886.53	5.7727	P	0.5
9	☐	100000.00	100177.29	1659562.20	29.8771	A	0.3

$$y = 2.9820\text{E-}004 * x + 0.0041$$

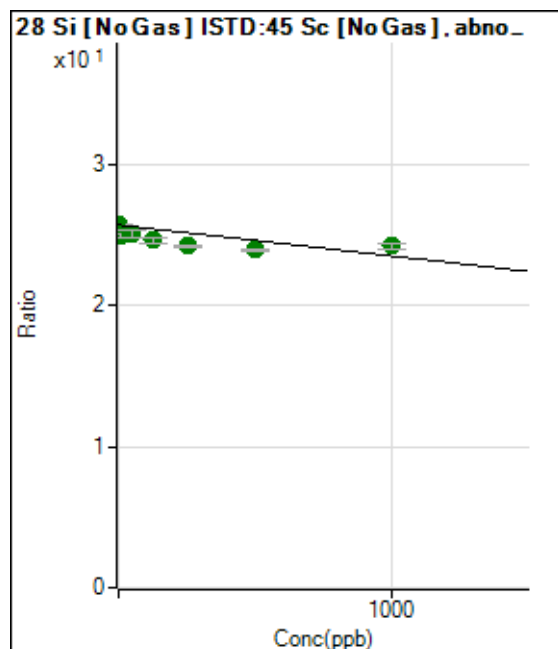
$$R = 1.0000$$

$$DL = 1.837$$

$$BEC = 13.9$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	33765099.02	25.7485	A	0.5
2	☐	1.000	189.492	33705076.10	25.3313	A	1.6
3	☐	10.000	380.338	33899969.86	24.9111	A	1.1
4	☐	50.000	278.890	34062655.62	25.1344	A	2.5
5	☐	125.000	500.833	34214086.18	24.6458	A	1.4
6	☐	250.000	669.201	34380020.56	24.2750	A	0.5
7	☐	500.000	808.803	34681225.08	23.9677	A	1.0
8	☐	1000.000	678.483	35275489.68	24.2546	A	1.4
9	☐			33523211.51	22.9046	A	2.0

$$y = -0.0022 * x + 25.7485$$

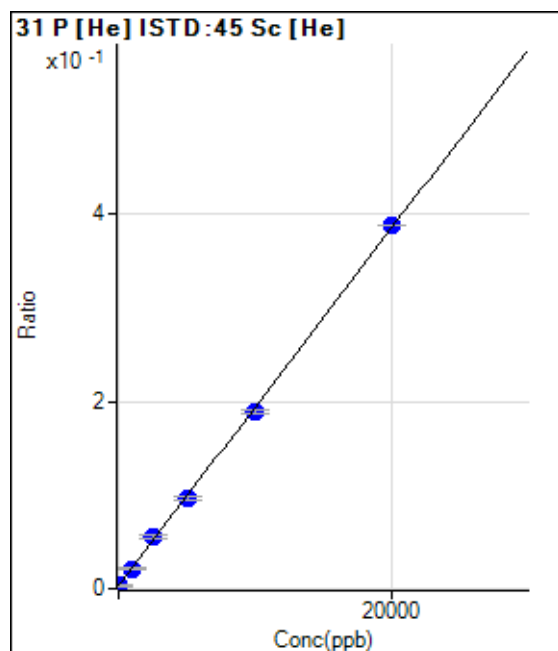
$$R = -0.7101$$

$$DL = -159.5$$

$$BEC = -1.169E+04$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-26.743	144.45	0.0026	P	24.1
2	☐	0.000	24.575	202.78	0.0036	P	17.1
3	☐	0.000	2.169	175.01	0.0031	P	32.6
4	☐	1000.000	950.869	1225.08	0.0213	P	9.3
5	☐	2500.000	2738.450	3197.66	0.0554	P	5.6
6	☐	5000.000	4888.875	5570.67	0.0964	P	5.8
7	☐	10000.000	9741.485	10718.15	0.1891	P	2.2
8	☐	20000.000	20129.689	21268.92	0.3875	P	0.2
9	☐			141.67	0.0025	P	14.8

$$y = 1.9094E-005 * x + 0.0031$$

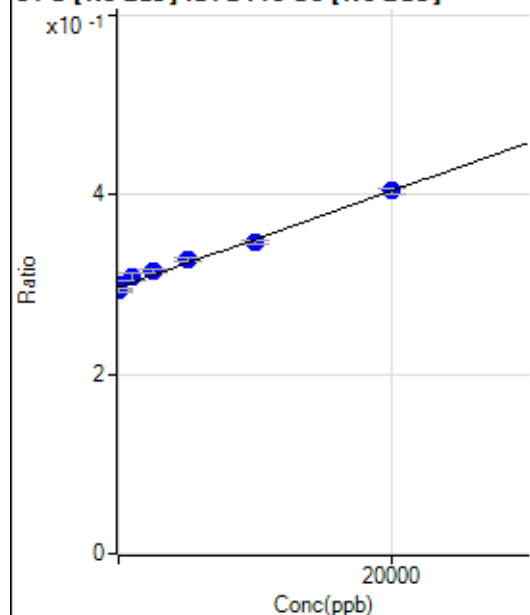
$$R = 0.9998$$

$$DL = 118$$

$$BEC = 162.1$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	629.992	393035.94	0.2997	P	0.4
2	☐	0.000	22.837	394428.36	0.2965	P	2.3
3	☐	0.000	-652.829	398463.83	0.2928	P	1.8
4	☐	1000.000	2059.233	416592.09	0.3074	P	2.8
5	☐	2500.000	3361.725	436444.46	0.3144	P	1.3
6	☐	5000.000	5641.698	462607.20	0.3266	P	1.1
7	☐	10000.000	9400.912	501873.92	0.3468	P	1.3
8	☐	20000.000	19978.442	587104.87	0.4037	P	1.4
9	☐			383083.24	0.2617	P	1.8

$$y = 5.3723\text{E-}006 * x + 0.2963$$

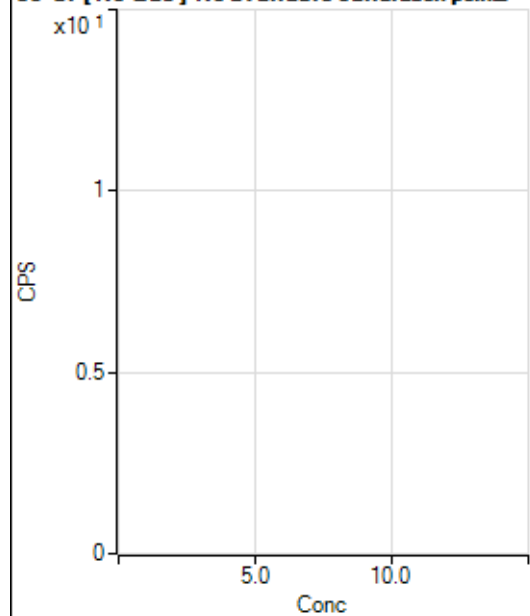
$$R = 0.9959$$

$$DL = 2536$$

$$BEC = 5.516\text{E}+04$$

Weight: <None>

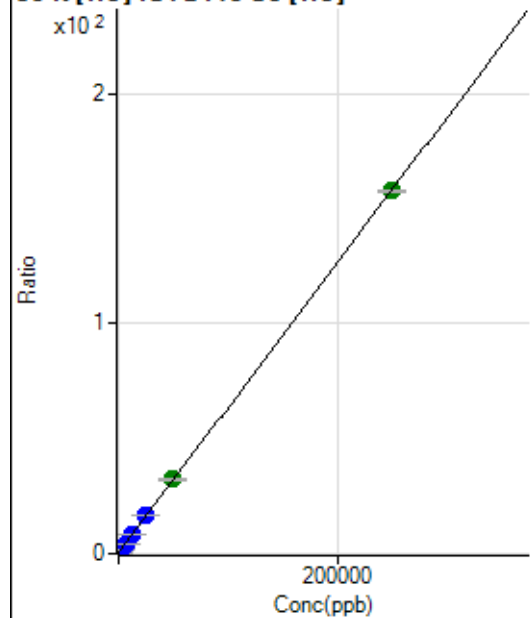
Min Conc: 0

35 Cl [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			100895.34		P	0.6
2	☐			124060.23		P	1.6
3	☐			120146.13		P	0.3
4	☐			120387.57		P	1.8
5	☐			119168.68		P	2.7
6	☐			118563.82		P	1.9
7	☐			118211.52		P	0.6
8	☐			119373.92		P	1.7
9	☐			114828.84		P	0.9

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			994.51		P	3.2
2	☐			1144.52		P	4.2
3	☐			1161.20		P	8.3
4	☐			1094.52		P	1.2
5	☐			1180.64		P	7.8
6	☐			1158.41		P	13.9
7	☐			1091.74		P	5.8
8	☐			1016.73		P	16.4
9	☐			1044.51		P	17.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	23302.71	0.4168	P	1.1
2	☒	50.000					
3	☐	500.000	493.906	40554.78	0.7277	P	0.6
4	☐	2500.000	2576.132	117627.37	2.0386	P	5.3
5	☐	6250.000	6479.785	259584.59	4.4960	P	0.1
6	☐	12500.000	12827.902	490221.62	8.4923	P	1.1
7	☐	25000.000	25386.555	929497.23	16.3983	P	0.8
8	☐	50000.000	50567.462	1770357.24	32.2504	A	1.8
9	☐	250000.00	249824.96	8759076.84	157.6884	A	0.3

$$y = 6.2953E-004 * x + 0.4168$$

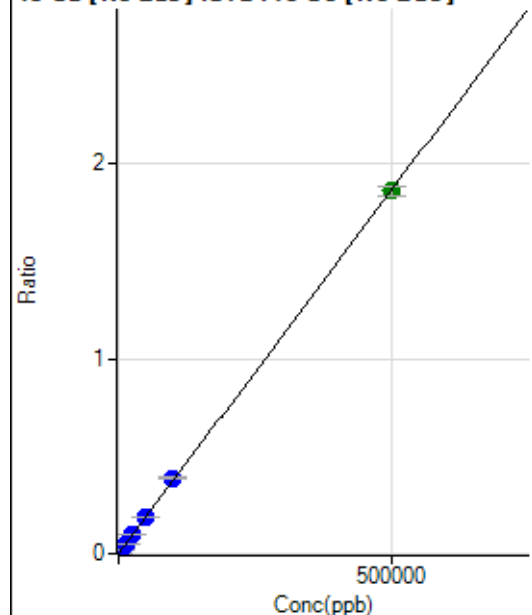
$$R = 1.0000$$

$$DL = 22.43$$

$$BEC = 662.1$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	302.89	0.0002	P	3.6
2	☐	50.000	42.460	518.28	0.0004	P	1.0
3	☐	500.000	480.543	2754.51	0.0020	P	3.4
4	☐	5000.000	5207.277	26646.36	0.0197	P	2.7
5	☐	12500.000	12805.195	66661.92	0.0480	P	0.2
6	☐	25000.000	25495.090	135065.40	0.0954	P	2.0
7	☐	50000.000	50513.925	273125.62	0.1887	P	1.0
8	☐	100000.00	103910.57	564214.46	0.3880	P	3.1
9	☐	500000.00	499132.05	2726652.17	1.8628	A	2.3

$$y = 3.7317\text{E-}006 * x + 2.3096\text{E-}004$$

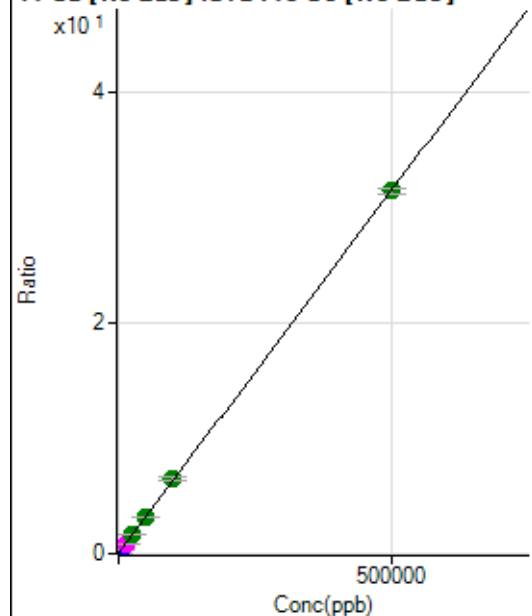
$$R = 1.0000$$

$$DL = 6.767$$

$$BEC = 61.89$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	39790.41	0.0303	P	0.6
2	☐	50.000	35.669	43356.92	0.0326	P	1.9
3	☐	500.000	480.550	82400.58	0.0606	P	1.6
4	☐	5000.000	5099.605	475626.11	0.3509	P	2.2
5	☐	12500.000	12692.789	1149713.36	0.8283	M	2.8
6	☐	25000.000	25796.401	2339786.67	1.6521	A	1.2
7	☐	50000.000	50225.849	4613189.24	3.1880	A	0.1
8	☐	100000.00	103303.14	9487806.75	6.5249	A	3.8
9	☐	500000.00	499271.17	45990990.37	31.4188	A	1.9

$$y = 6.2869\text{E-}005 * x + 0.0303$$

$$R = 1.0000$$

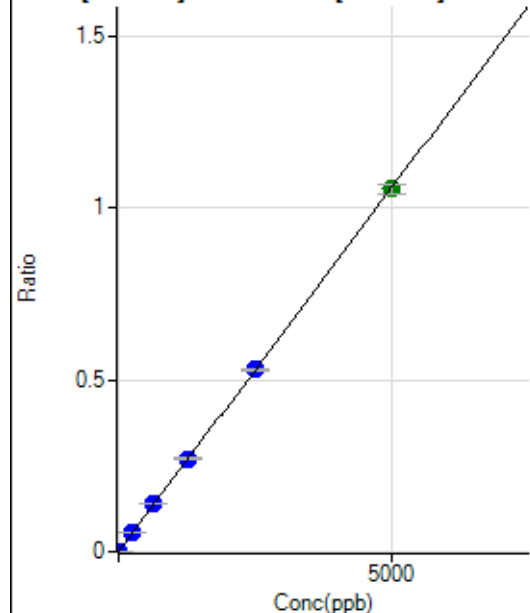
$$DL = 8.444$$

$$BEC = 482.6$$

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	211.12	0.0002	P	34.3
2	☐	0.500	0.857	455.58	0.0003	P	20.8
3	☐	5.000	5.488	1797.39	0.0013	P	4.8
4	☐	250.000	264.092	75843.20	0.0560	P	2.0
5	☐	625.000	651.153	191232.59	0.1377	P	0.4
6	☐	1250.000	1277.139	382378.49	0.2700	P	2.4
7	☐	2500.000	2502.453	765373.86	0.5289	P	1.3
8	☐	5000.000	4988.014	1532891.26	1.0541	A	2.5
9	☐			500.02	0.0003	P	17.1

$$y = 2.1129\text{E-}004 * x + 1.6109\text{E-}004$$

$$R = 1.0000$$

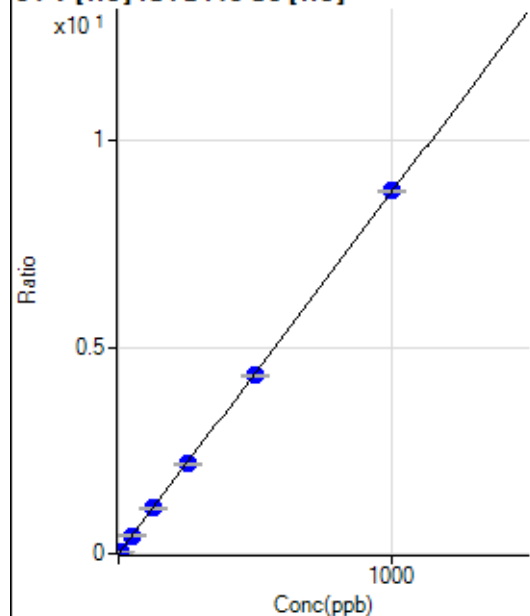
$$DL = 0.7839$$

$$BEC = 0.7624$$

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
2	☐	0.500	0.499	250.00	0.0044	P	10.7
3	☐	5.000	5.245	2561.37	0.0460	P	4.5
4	☐	50.000	49.206	24866.11	0.4311	P	6.3
5	☐	125.000	125.183	63322.47	1.0967	P	0.3
6	☐	250.000	247.803	125324.85	2.1710	P	0.8
7	☐	500.000	493.327	244982.23	4.3220	P	0.7
8	☐	1000.000	1003.901	482806.29	8.7951	P	0.7
9	☐			112.22	0.0020	P	9.7

$$y = 0.0088 * x + 1.9892\text{E-}005$$

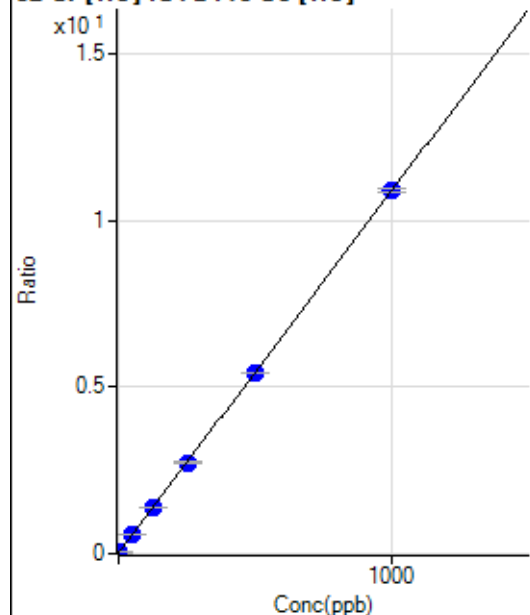
$$R = 1.0000$$

$$DL = 0.0118$$

$$BEC = 0.002271$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	584.46	0.0105	P	5.9
2	☐	0.200	0.208	723.36	0.0127	P	5.6
3	☐	2.000	2.114	1864.59	0.0335	P	5.4
4	☐	50.000	50.686	32437.83	0.5620	P	3.8
5	☐	125.000	125.972	79740.43	1.3811	P	0.5
6	☐	250.000	249.720	157443.39	2.7276	P	1.7
7	☐	500.000	499.449	308631.34	5.4449	P	0.4
8	☐	1000.000	1000.189	597985.40	10.8933	P	1.1
9	☐			1986.82	0.0358	P	3.5

$$y = 0.0109 * x + 0.0105$$

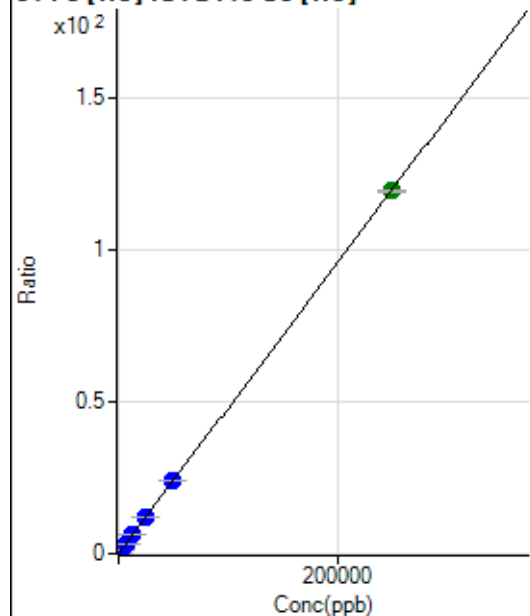
$$R = 1.0000$$

$$DL = 0.1703$$

$$BEC = 0.961$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	318.53	0.0057	P	11.0
2	☐	5.000	3.878	429.64	0.0076	P	5.6
3	☐	50.000	57.472	1848.30	0.0332	P	5.4
4	☐	2500.000	2539.927	70370.44	1.2194	P	4.5
5	☐	6250.000	6450.053	178275.38	3.0878	P	1.3
6	☐	12500.000	12780.288	352854.16	6.1127	P	1.2
7	☐	25000.000	25151.571	681566.48	12.0243	P	1.2
8	☐	50000.000	50525.574	1325637.27	24.1492	P	1.2
9	☐	250000.00	249860.31	6631918.67	119.4007	A	0.8

$$y = 4.7785E-004 * x + 0.0057$$

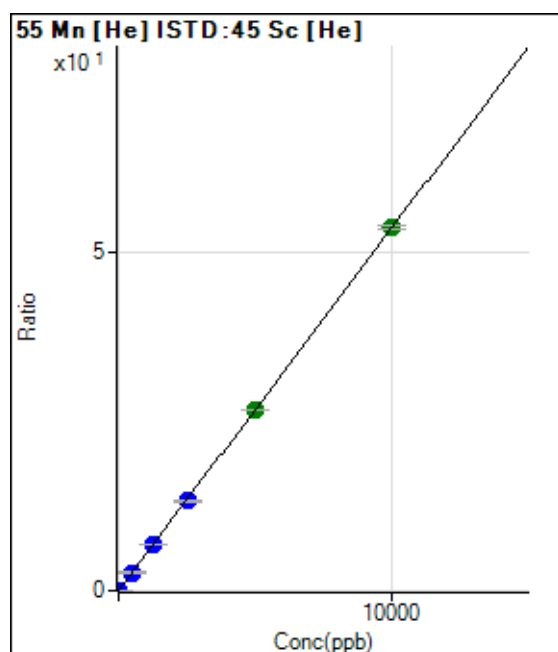
$$R = 1.0000$$

$$DL = 3.923$$

$$BEC = 11.93$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	34.45	0.0006	P	10.9
2	☒	0.100					
3	☐	1.000	1.071	353.34	0.0063	P	8.4
4	☐	500.000	497.782	153561.56	2.6609	P	4.3
5	☐	1250.000	1252.443	386482.80	6.6941	P	0.7
6	☐	2500.000	2480.158	765167.31	13.2553	P	1.1
7	☐	5000.000	4983.118	1509553.59	26.6319	A	0.7
8	☐	10000.000	10013.207	2937673.91	53.5143	A	1.2
9	☐			1582.33	0.0285	P	7.7

$$y = 0.0053 * x + 6.1600E-004$$

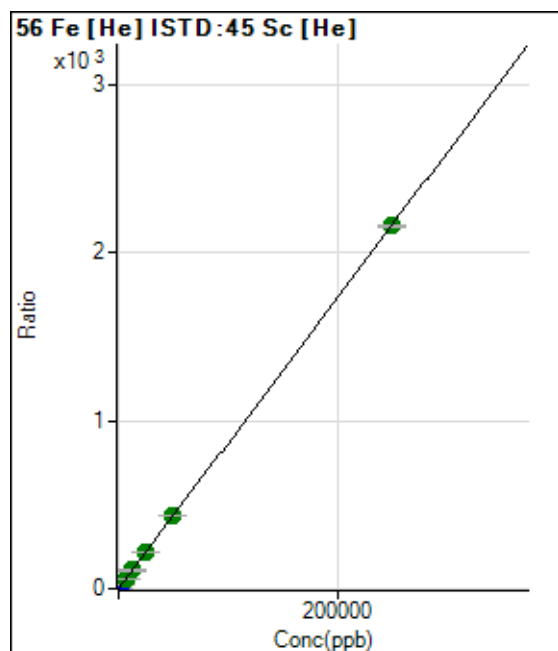
$$R = 1.0000$$

$$DL = 0.03758$$

$$BEC = 0.1153$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1368.60	0.0245	P	4.7
2	☐	5.000	5.218	3954.33	0.0695	P	0.5
3	☐	50.000	52.710	26710.35	0.4793	P	1.7
4	☐	2500.000	2516.110	1254409.52	21.7374	P	4.6
5	☐	6250.000	6411.133	3195662.60	55.3498	A	0.3
6	☐	12500.000	12643.585	6299406.51	109.1332	A	1.6
7	☐	25000.000	25078.379	12268479.09	216.4402	A	0.6
8	☐	50000.000	50170.373	23767705.16	432.9734	A	0.4
9	☐	250000.00	249946.71	119809218.4	2,156.958	A	0.3

$$y = 0.0086 * x + 0.0245$$

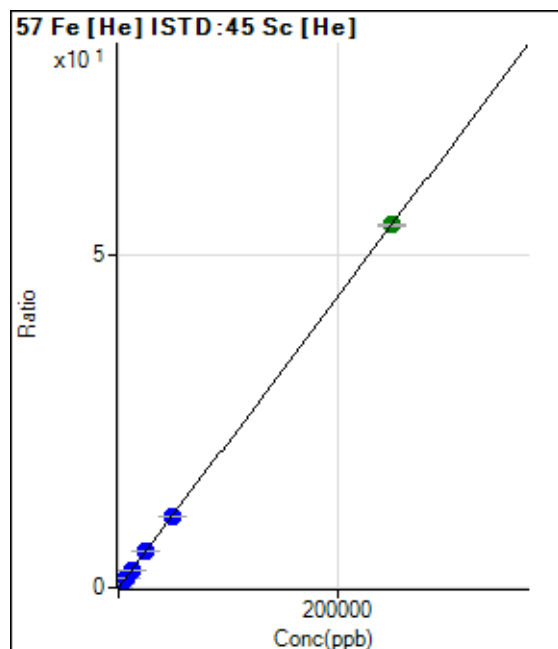
$$R = 1.0000$$

$$DL = 0.4019$$

$$BEC = 2.836$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	122.22	0.0022	P	28.7
2	☐	5.000	3.989	174.08	0.0031	P	8.8
3	☐	50.000	56.157	805.59	0.0145	P	4.9
4	☐	2500.000	2465.281	31202.82	0.5409	P	6.5
5	☐	6250.000	6241.078	78870.69	1.3661	P	0.9
6	☐	12500.000	12392.071	156448.36	2.7103	P	1.3
7	☐	25000.000	24614.872	305037.52	5.3814	P	0.6
8	☐	50000.000	49157.502	589834.32	10.7449	P	0.8
9	☐	250000.00	250212.97	3037374.06	54.6826	A	0.6

$$y = 2.1854\text{E-}004 * x + 0.0022$$

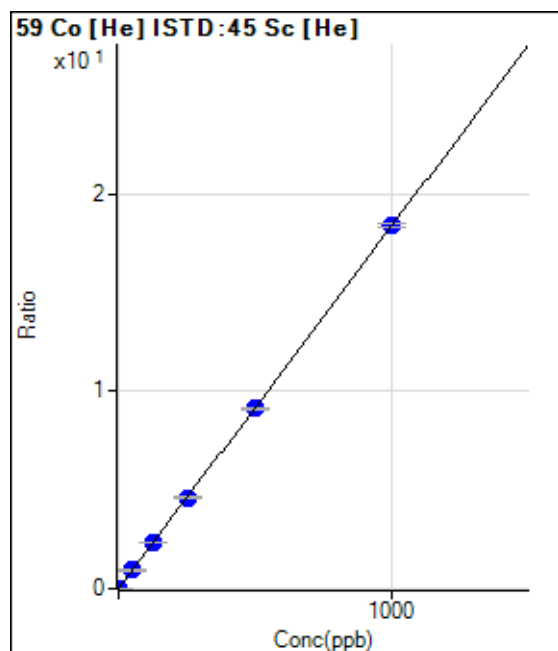
R = 1.0000

DL = 8.616

BEC = 10.01

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	42.22	0.0008	P	11.7
2	☐	0.100	0.093	140.00	0.0025	P	2.2
3	☐	1.000	1.063	1128.95	0.0203	P	6.6
4	☐	50.000	50.601	53626.01	0.9295	P	5.2
5	☐	125.000	126.631	134227.72	2.3249	P	1.5
6	☐	250.000	251.736	266730.07	4.6210	P	1.7
7	☐	500.000	496.359	516416.06	9.1106	P	0.4
8	☐	1000.000	1001.152	1008684.51	18.3753	P	1.1
9	☐			1410.09	0.0254	P	8.5

$$y = 0.0184 * x + 7.5507\text{E-}004$$

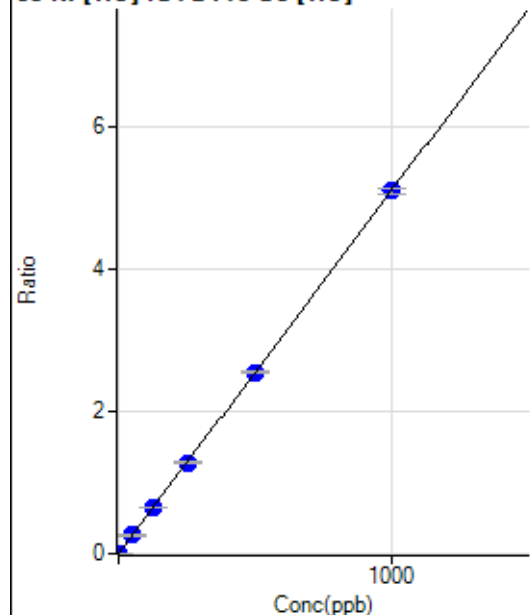
R = 1.0000

DL = 0.01449

BEC = 0.04114

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.33	0.0002	P	25.2
2	☒	0.100					
3	☐	1.000	1.137	336.67	0.0060	P	20.7
4	☐	50.000	50.378	14856.72	0.2575	P	5.6
5	☐	125.000	127.074	37481.52	0.6492	P	1.1
6	☐	250.000	250.775	73943.93	1.2809	P	0.9
7	☐	500.000	499.776	144688.02	2.5526	P	0.4
8	☐	1000.000	999.640	280257.86	5.1054	P	1.5
9	☐			507.79	0.0091	P	0.9

$$y = 0.0051 * x + 2.3854E-004$$

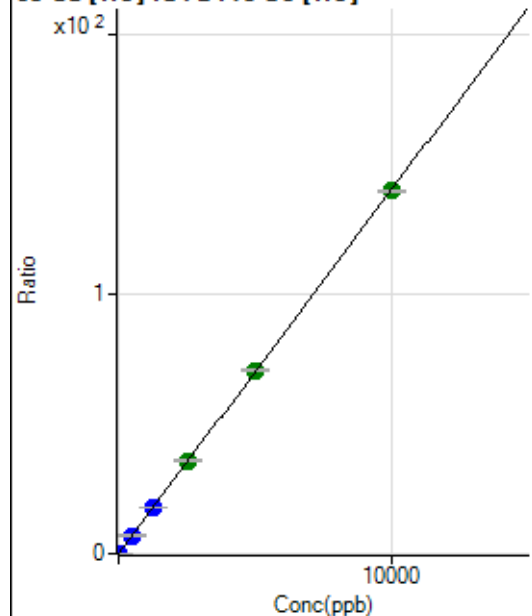
$$R = 1.0000$$

$$DL = 0.0353$$

$$BEC = 0.04671$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	175.56	0.0031	P	8.4
2	☐	0.200	0.177	320.01	0.0056	P	5.4
3	☐	2.000	1.083	1021.16	0.0183	P	4.0
4	☐	500.000	499.971	404604.60	7.0117	P	4.8
5	☐	1250.000	1257.747	1018115.03	17.6342	P	0.9
6	☐	2500.000	2562.150	2073481.05	35.9194	A	0.9
7	☐	5000.000	5031.922	3998512.86	70.5407	A	0.8
8	☐	10000.000	9967.535	7670301.34	139.7281	A	0.3
9	☐			1946.82	0.0350	P	4.3

$$y = 0.0140 * x + 0.0031$$

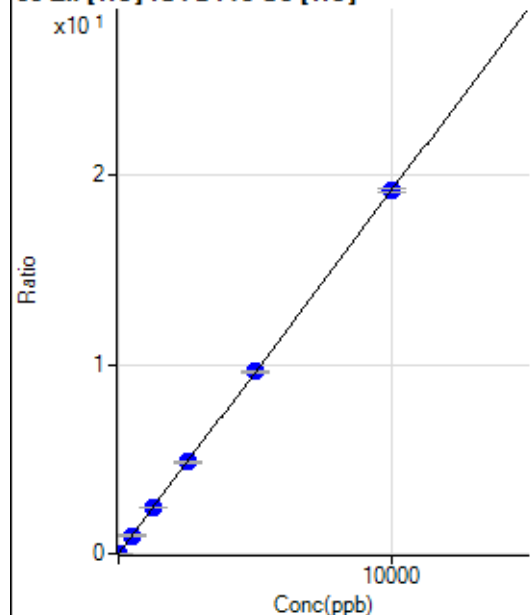
$$R = 1.0000$$

$$DL = 0.05649$$

$$BEC = 0.2241$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	87.78	0.0016	P	9.6
2	☒	0.200					
3	☐	2.000	2.329	336.68	0.0060	P	12.4
4	☐	500.000	499.861	55517.09	0.9621	P	4.6
5	☐	1250.000	1268.244	140786.53	2.4385	P	0.8
6	☐	2500.000	2520.840	279688.80	4.8454	P	1.5
7	☐	5000.000	5005.289	545237.15	9.6193	P	0.8
8	☐	10000.000	9989.872	1053799.77	19.1971	P	0.9
9	☐			1427.86	0.0257	P	8.5

$$y = 0.0019 * x + 0.0016$$

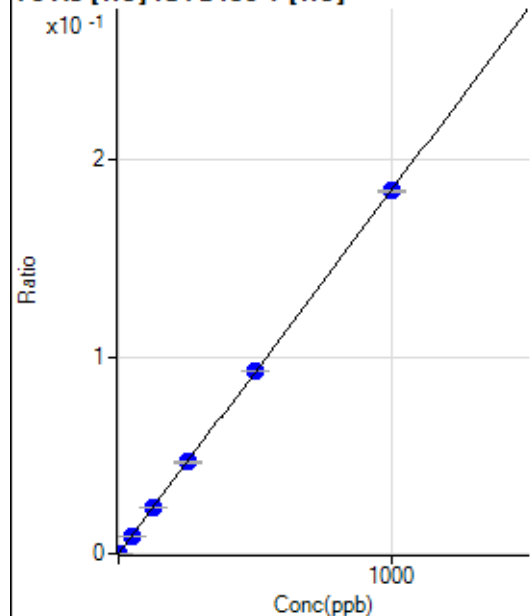
$$R = 1.0000$$

$$DL = 0.2341$$

$$BEC = 0.8171$$

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	6.00	0.0000	P	76.0
2	☐	0.100	0.087	13.00	0.0000	P	8.0
3	☐	1.000	1.046	88.01	0.0002	P	12.2
4	☐	50.000	49.007	4010.98	0.0091	P	4.5
5	☐	125.000	128.292	10365.51	0.0237	P	0.7
6	☐	250.000	252.208	20555.29	0.0465	P	1.0
7	☐	500.000	501.881	40169.77	0.0926	P	0.7
8	☐	1000.000	998.146	78050.72	0.1841	P	0.4
9	☐			33.33	0.0001	P	9.4

$$y = 1.8444E-004 * x + 1.4031E-005$$

$$R = 1.0000$$

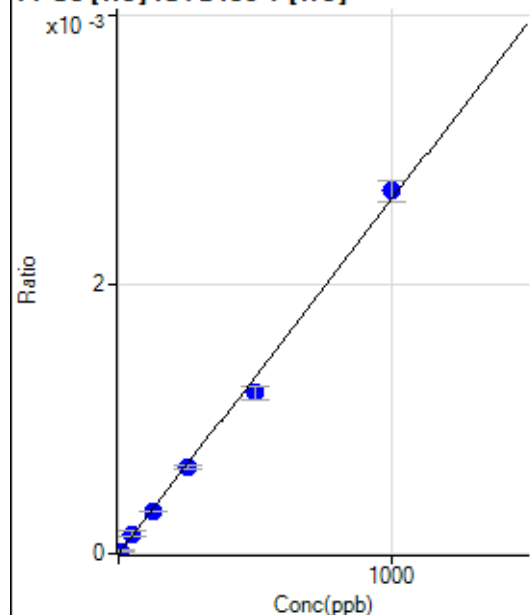
$$DL = 0.1734$$

$$BEC = 0.07607$$

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	0.00	0.0000	P	
2	☐	0.500	6.800	7.78	0.0000	P	49.2
3	☐	5.000	6.962	7.78	0.0000	P	66.1
4	☐	50.000	54.874	64.44	0.0001	P	31.5
5	☐	125.000	120.469	138.89	0.0003	P	1.3
6	☐	250.000	243.568	283.34	0.0006	P	4.3
7	☐	500.000	455.105	520.02	0.0012	P	8.3
8	☐	1000.000	1024.365	1143.39	0.0027	P	5.9
9	☐			1.11	0.0000	P	173.2

$$y = 2.6333\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9985$$

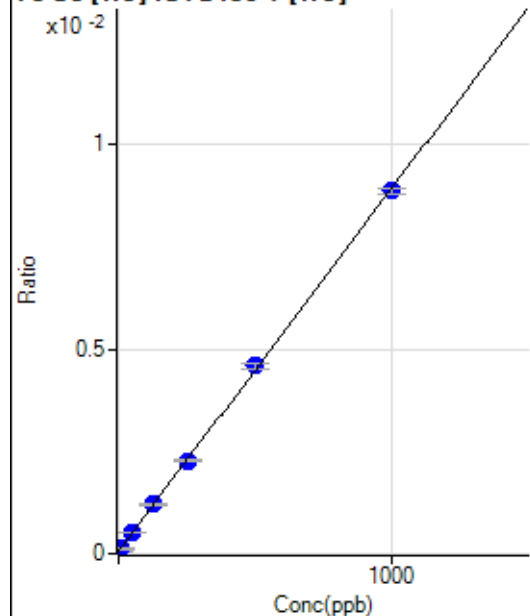
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	27.67	0.0001	P	10.5
2	☐	0.500	2.924	39.34	0.0001	P	23.0
3	☐	5.000	6.143	50.67	0.0001	P	10.6
4	☐	50.000	52.870	236.36	0.0005	P	1.3
5	☐	125.000	128.920	528.06	0.0012	P	3.3
6	☐	250.000	249.256	1003.47	0.0023	P	2.1
7	☐	500.000	511.094	1991.35	0.0046	P	2.5
8	☐	1000.000	993.999	3758.22	0.0089	P	1.3
9	☐			31.67	0.0001	P	6.3

$$y = 8.8532\text{E-}006 * x + 6.4811\text{E-}005$$

$$R = 0.9999$$

$$DL = 2.301$$

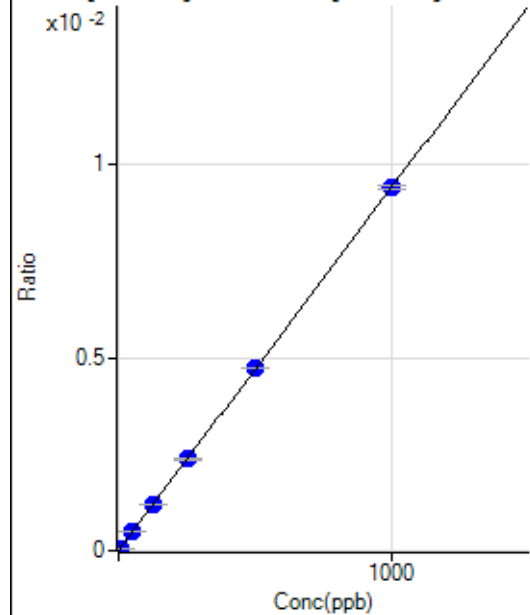
$$BEC = 7.321$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2669.68		P	5.6
2	☐			2342.60		P	3.4
3	☐			2552.87		P	4.5
4	☐			2345.96		P	3.9
5	☐			2439.40		P	2.1
6	☐			2282.55		P	4.8
7	☐			2462.76		P	5.1
8	☐			2462.77		P	8.9
9	☐			2536.19		P	5.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	43.33	0.0000	P	308.2
2	☒	0.500					
3	☐	5.000	4.438	189.34	0.0001	P	40.3
4	☐	50.000	52.022	1775.62	0.0005	P	5.2
5	☐	125.000	125.633	4269.58	0.0012	P	2.3
6	☐	250.000	250.587	8640.53	0.0024	P	1.5
7	☐	500.000	501.465	17114.75	0.0047	P	0.5
8	☐	1000.000	998.944	33932.40	0.0094	P	1.0
9	☐			-13.35	0.0000	P	-535.

$$y = 9.3974E-006 * x + 1.2306E-005$$

$$R = 1.0000$$

$$DL = 12.11$$

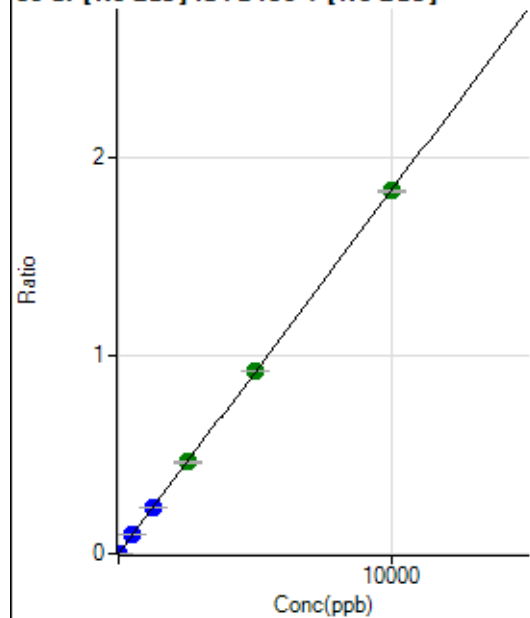
$$BEC = 1.31$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1570.10		P	7.1
2	☐			1587.88		P	9.4
3	☐			1631.22		P	6.3
4	☐			1545.66		P	5.1
5	☐			1660.12		P	9.6
6	☐			1647.89		P	4.8
7	☐			1611.22		P	4.7
8	☐			1573.44		P	4.9
9	☐			1562.33		P	3.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2547.52	0.0007	P	3.7
2	☐	0.100	-0.049	2528.09	0.0007	P	8.0
3	☐	1.000	0.949	3181.00	0.0009	P	3.6
4	☐	500.000	509.637	333659.15	0.0941	P	1.2
5	☐	1250.000	1271.224	836439.11	0.2337	P	0.4
6	☐	2500.000	2514.465	1684846.62	0.4616	A	0.6
7	☐	5000.000	5023.494	3337615.59	0.9214	A	0.8
8	☐	10000.000	9981.502	6607876.84	1.8300	A	0.6
9	☐			4498.06	0.0013	P	1.4

$$y = 1.8327E-004 * x + 7.2948E-004$$

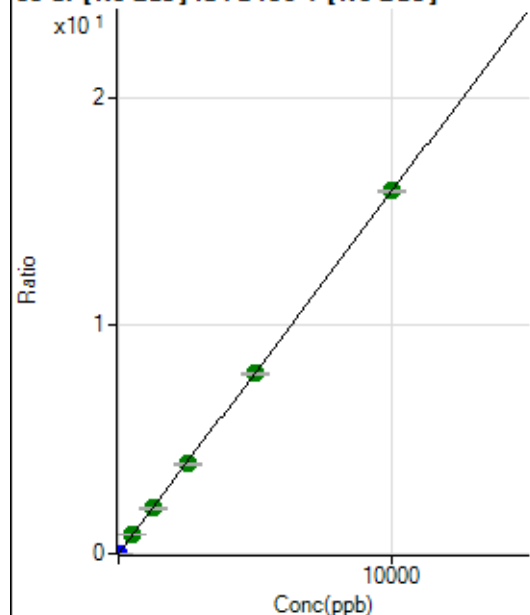
$$R = 1.0000$$

$$DL = 0.4464$$

$$BEC = 3.98$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	55.3
2	☐	0.100	0.113	697.26	0.0002	P	11.4
3	☐	1.000	1.087	6134.85	0.0017	P	3.9
4	☐	500.000	511.859	2877524.41	0.8119	A	1.4
5	☐	1250.000	1255.573	7128197.73	1.9916	A	1.2
6	☐	2500.000	2471.324	14310345.80	3.9201	A	1.2
7	☐	5000.000	4975.507	28588868.00	7.8923	A	0.6
8	☐	10000.000	10018.126	57379106.84	15.8910	A	0.5
9	☐			18215.10	0.0051	P	0.7

$$y = 0.0016 * x + 1.9149E-005$$

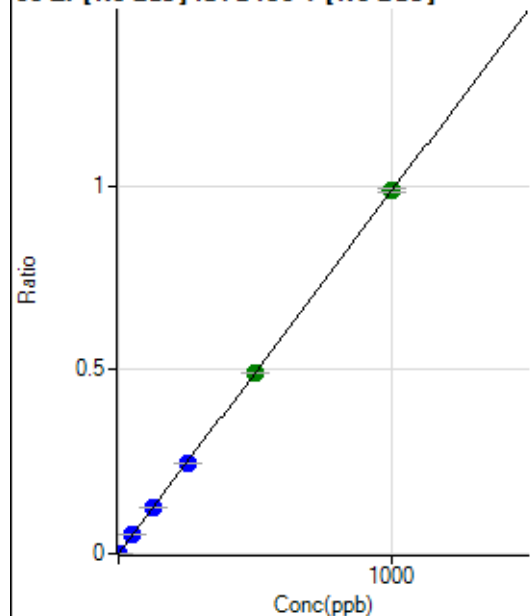
$$R = 1.0000$$

$$DL = 0.02004$$

$$BEC = 0.01207$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	238.90	0.0001	P	35.2
2	☐	0.100	0.095	569.47	0.0002	P	3.2
3	☐	1.000	0.979	3636.68	0.0010	P	8.5
4	☐	50.000	50.736	177466.02	0.0501	P	0.9
5	☐	125.000	126.197	445397.41	0.1244	P	1.4
6	☐	250.000	248.630	894788.90	0.2451	P	1.2
7	☐	500.000	498.753	1780847.83	0.4916	A	0.5
8	☐	1000.000	1000.780	3560922.44	0.9864	A	1.1
9	☐			872.27	0.0002	P	10.3

$$y = 9.8560E-004 * x + 6.8408E-005$$

$$R = 1.0000$$

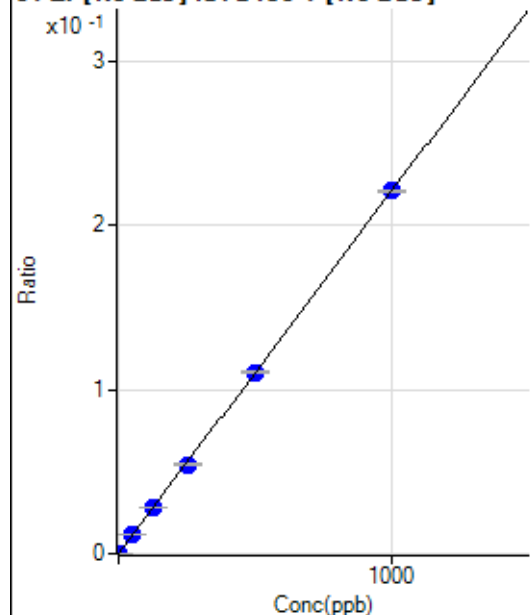
$$DL = 0.0734$$

$$BEC = 0.06941$$

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	47.22	0.0000	P	44.0
2	☐	0.100	0.079	108.34	0.0000	P	20.2
3	☐	1.000	1.147	938.95	0.0003	P	11.2
4	☐	50.000	50.621	39634.66	0.0112	P	0.3
5	☐	125.000	126.087	99613.46	0.0278	P	1.1
6	☐	250.000	246.323	198442.11	0.0544	P	1.8
7	☐	500.000	499.425	399192.88	0.1102	P	1.0
8	☐	1000.000	1001.039	797389.61	0.2209	P	0.8
9	☐			222.23	0.0001	P	19.0

$$y = 2.2064\text{E-}004 * x + 1.3510\text{E-}005$$

$$R = 1.0000$$

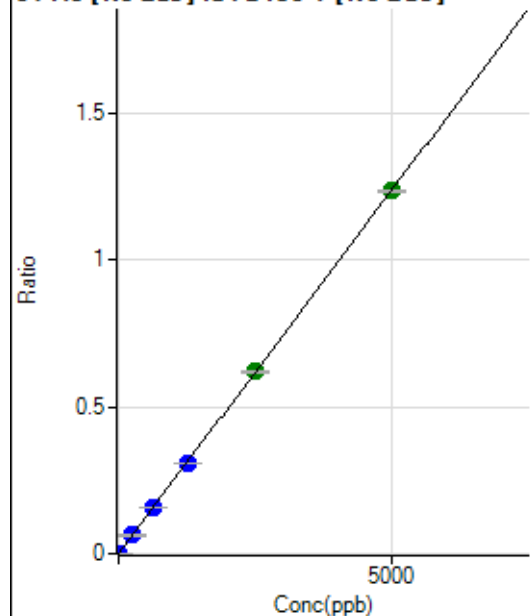
$$DL = 0.08075$$

$$BEC = 0.06123$$

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	63.89	0.0000	P	15.9
2	☐	0.500	0.500	497.25	0.0001	P	17.5
3	☐	5.000	5.159	4548.08	0.0013	P	3.0
4	☐	250.000	252.109	220699.90	0.0623	P	0.6
5	☐	625.000	630.184	556988.10	0.1556	P	0.3
6	☐	1250.000	1241.601	1119202.48	0.3066	P	0.8
7	☐	2500.000	2511.173	2246120.06	0.6201	A	1.0
8	☐	5000.000	4995.760	4453985.95	1.2336	A	0.8
9	☐			1389.01	0.0004	P	5.0

$$y = 2.4692\text{E-}004 * x + 1.8311\text{E-}005$$

$$R = 1.0000$$

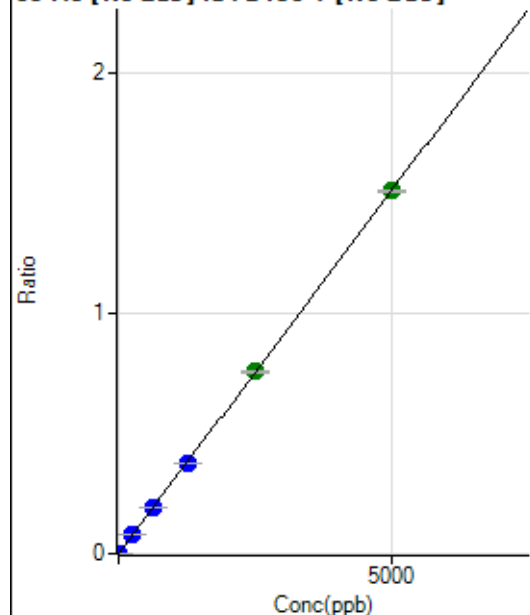
$$DL = 0.03532$$

$$BEC = 0.07416$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.33	0.0000	P	173.2
2	☐	0.500	0.456	491.69	0.0001	P	10.5
3	☐	5.000	5.129	5462.32	0.0016	P	7.9
4	☐	250.000	253.544	271620.96	0.0766	P	0.6
5	☐	625.000	628.760	680114.00	0.1900	P	0.4
6	☐	1250.000	1240.627	1368641.61	0.3750	P	1.2
7	☐	2500.000	2506.562	2743882.92	0.7575	A	0.8
8	☐	5000.000	4998.415	5453836.93	1.5107	A	0.7
9	☐			1491.78	0.0004	P	5.1

$$y = 3.0223\text{E-}004 * x + 2.3865\text{E-}006$$

$$R = 1.0000$$

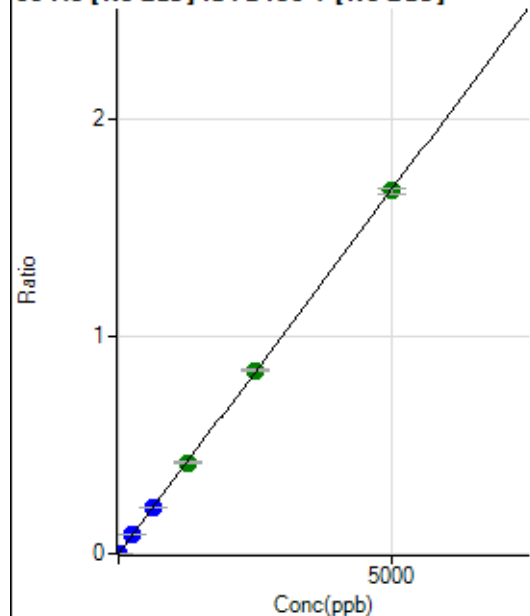
$$DL = 0.04103$$

$$BEC = 0.007896$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	75.00	0.0000	P	39.3
2	☐	0.500	0.446	600.03	0.0002	P	3.7
3	☐	5.000	5.363	6407.18	0.0018	P	2.9
4	☐	250.000	254.164	302177.57	0.0853	P	0.9
5	☐	625.000	627.660	753413.34	0.2105	P	0.6
6	☐	1250.000	1253.455	1534514.59	0.4204	A	0.7
7	☐	2500.000	2521.197	3062775.87	0.8455	A	1.2
8	☐	5000.000	4987.997	6038270.06	1.6728	A	1.4
9	☐			2386.39	0.0007	P	6.7

$$y = 3.3535\text{E-}004 * x + 2.1521\text{E-}005$$

$$R = 1.0000$$

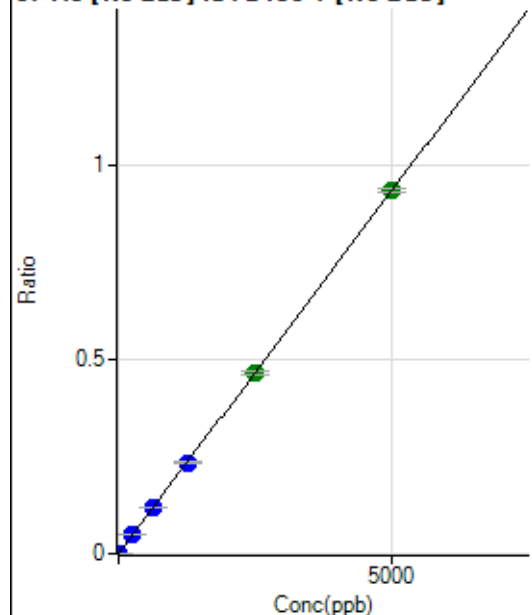
$$DL = 0.07575$$

$$BEC = 0.06417$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.78	0.0000	P	173.2
2	☐	0.500	0.436	288.90	0.0001	P	27.3
3	☐	5.000	4.964	3267.15	0.0009	P	4.3
4	☐	250.000	254.470	168500.78	0.0475	P	1.7
5	☐	625.000	635.320	424847.96	0.1187	P	1.4
6	☐	1250.000	1249.840	852386.30	0.2335	P	1.5
7	☐	2500.000	2493.163	1687510.00	0.4658	A	1.5
8	☐	5000.000	5001.945	3374037.84	0.9346	A	1.2
9	☐			961.17	0.0003	P	10.0

$$y = 1.8684\text{E-}004 * x + 7.9517\text{E-}007$$

$$R = 1.0000$$

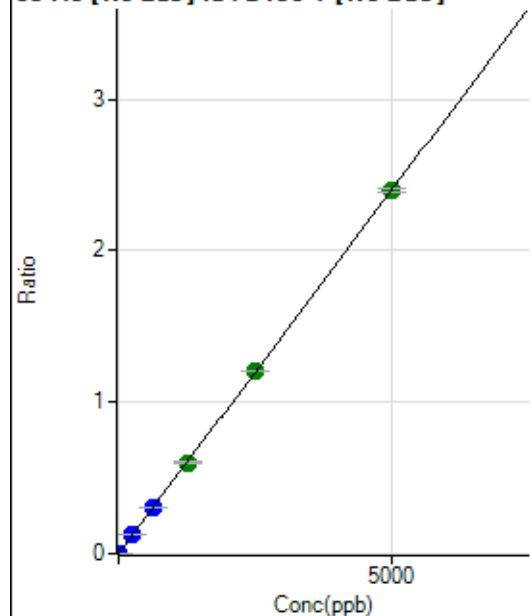
$$DL = 0.02211$$

$$BEC = 0.004256$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19.45	0.0000	P	23.9
2	☐	0.500	0.452	780.60	0.0002	P	11.0
3	☐	5.000	5.229	8853.10	0.0025	P	1.8
4	☐	250.000	253.991	431789.69	0.1218	P	1.0
5	☐	625.000	631.534	1084165.90	0.3029	P	1.3
6	☐	1250.000	1247.823	2184712.31	0.5985	A	1.6
7	☐	2500.000	2512.444	4365423.15	1.2051	A	0.7
8	☐	5000.000	4993.306	8646609.74	2.3951	A	1.0
9	☐			2450.29	0.0007	P	8.1

$$y = 4.7966\text{E-}004 * x + 5.5622\text{E-}006$$

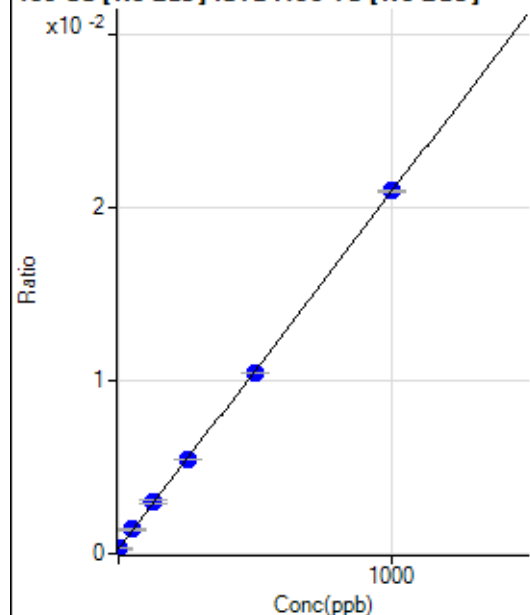
$$R = 1.0000$$

$$DL = 0.008314$$

$$BEC = 0.0116$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	661.14	0.0003	P	6.8
2	☐	0.100	0.083	677.82	0.0003	P	9.1
3	☐	1.000	2.391	777.82	0.0003	P	12.7
4	☐	50.000	53.444	3253.26	0.0014	P	5.9
5	☐	125.000	131.731	7227.09	0.0030	P	6.3
6	☐	250.000	250.063	13543.20	0.0054	P	2.0
7	☐	500.000	492.599	25883.20	0.0104	P	1.0
8	☐	1000.000	1002.670	52455.83	0.0210	P	0.9
9	☐			763.93	0.0003	P	3.6

$$y = 2.0629E-005 * x + 2.8802E-004$$

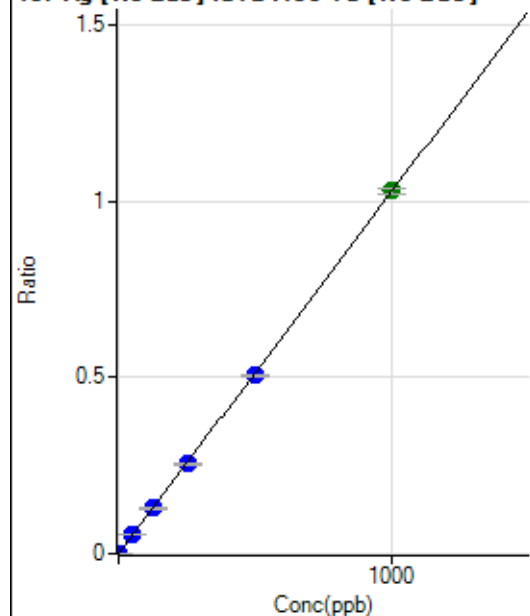
$$R = 0.9999$$

$$DL = 2.849$$

$$BEC = 13.96$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11.11	0.0000	P	43.5
2	☐	0.100	0.081	205.56	0.0001	P	10.3
3	☐	1.000	1.029	2450.29	0.0011	P	6.6
4	☐	50.000	52.234	125551.91	0.0537	P	1.3
5	☐	125.000	127.173	314208.09	0.1306	P	4.0
6	☐	250.000	248.154	633789.27	0.2549	P	1.4
7	☐	500.000	493.936	1256658.73	0.5073	P	1.0
8	☐	1000.000	1003.110	2576690.36	1.0303	A	1.8
9	☐			850.05	0.0003	P	7.1

$$y = 0.0010 * x + 4.8423E-006$$

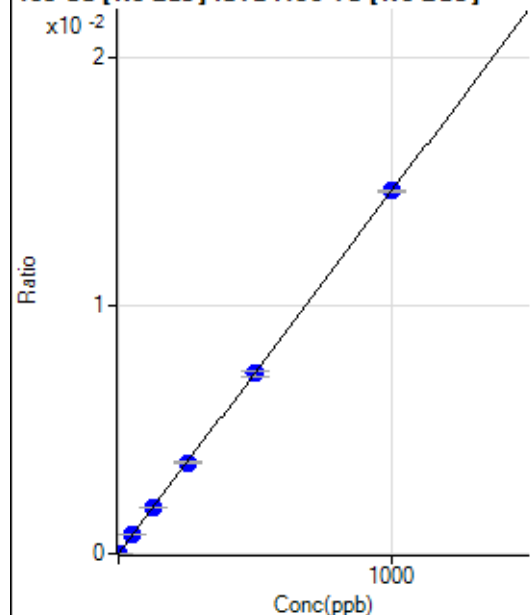
$$R = 1.0000$$

$$DL = 0.006152$$

$$BEC = 0.004715$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18.05	0.0000	P	47.4
2	☐	0.100	0.114	22.22	0.0000	P	43.5
3	☐	1.000	0.247	26.39	0.0000	P	24.9
4	☐	50.000	53.818	1855.71	0.0008	P	0.3
5	☐	125.000	127.218	4485.50	0.0019	P	1.2
6	☐	250.000	251.172	9130.90	0.0037	P	2.5
7	☐	500.000	496.690	17972.93	0.0073	P	3.8
8	☐	1000.000	1000.895	36541.48	0.0146	P	0.4
9	☐			52.78	0.0000	P	32.6

$$y = 1.4590E-005 * x + 7.8413E-006$$

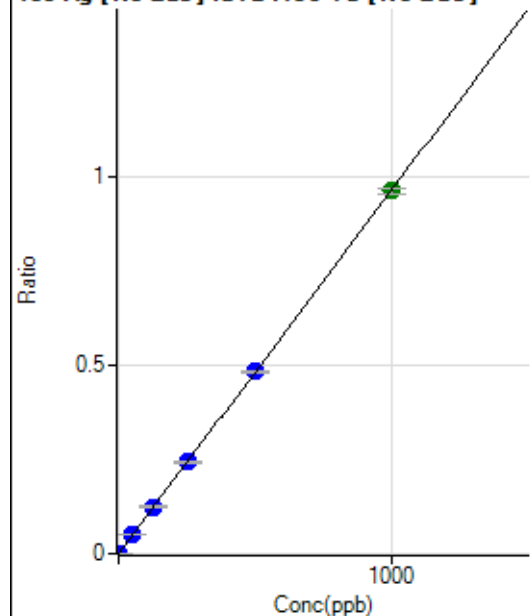
$$R = 1.0000$$

$$DL = 0.7636$$

$$BEC = 0.5375$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.89	0.0000	P	70.2
2	☐	0.100	0.068	166.67	0.0001	P	13.3
3	☐	1.000	1.063	2375.28	0.0010	P	5.3
4	☐	50.000	53.151	119758.09	0.0512	P	2.4
5	☐	125.000	128.609	297902.83	0.1238	P	3.1
6	☐	250.000	251.555	602239.62	0.2422	P	1.2
7	☐	500.000	501.138	1195094.72	0.4825	P	0.6
8	☐	1000.000	998.433	2404679.79	0.9613	A	1.9
9	☐			794.49	0.0003	P	6.5

$$y = 9.6277E-004 * x + 6.0737E-006$$

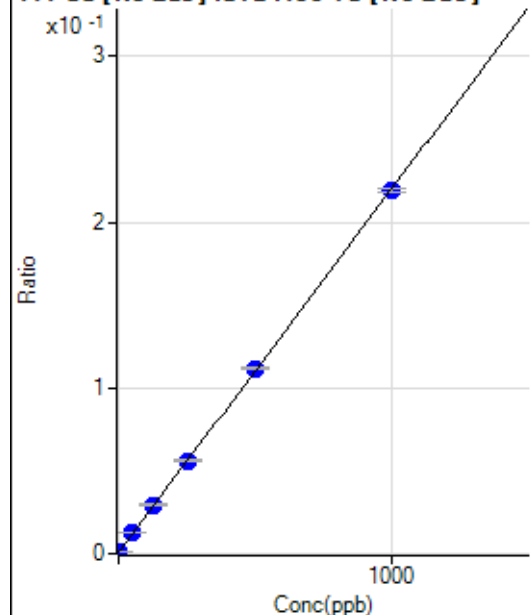
$$R = 1.0000$$

$$DL = 0.01329$$

$$BEC = 0.006309$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1634.80	0.0007	P	7.3
2	☐	0.100	0.082	1708.43	0.0007	P	7.6
3	☐	1.000	0.714	2002.90	0.0009	P	13.3
4	☐	50.000	53.428	29059.18	0.0124	P	3.6
5	☐	125.000	131.265	70909.62	0.0295	P	3.5
6	☐	250.000	251.845	138997.51	0.0559	P	1.5
7	☐	500.000	506.915	276887.56	0.1118	P	0.8
8	☐	1000.000	995.127	547220.35	0.2188	P	0.9
9	☐			1944.56	0.0008	P	5.0

$$y = 2.1913\text{E-}004 * x + 7.1227\text{E-}004$$

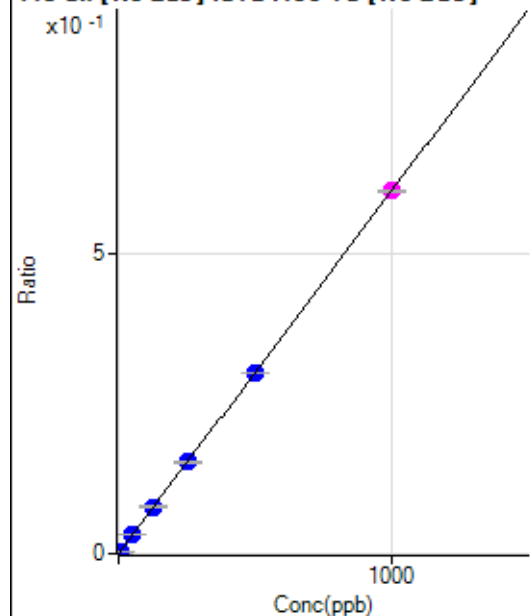
$$R = 0.9999$$

$$DL = 0.7111$$

$$BEC = 3.25$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	191.67	0.0001	P	47.0
2	☐	0.500	0.394	752.82	0.0003	P	12.3
3	☐	5.000	5.335	7638.43	0.0033	P	3.6
4	☐	50.000	52.703	74743.05	0.0319	P	1.8
5	☐	125.000	129.545	188603.51	0.0784	P	3.2
6	☐	250.000	251.976	378960.85	0.1524	P	1.4
7	☐	500.000	496.893	744166.63	0.3005	P	0.4
8	☐	1000.000	1000.354	1512680.09	0.6048	M	0.4
9	☐			519.47	0.0002	P	20.3

$$y = 6.0451\text{E-}004 * x + 8.3752\text{E-}005$$

$$R = 1.0000$$

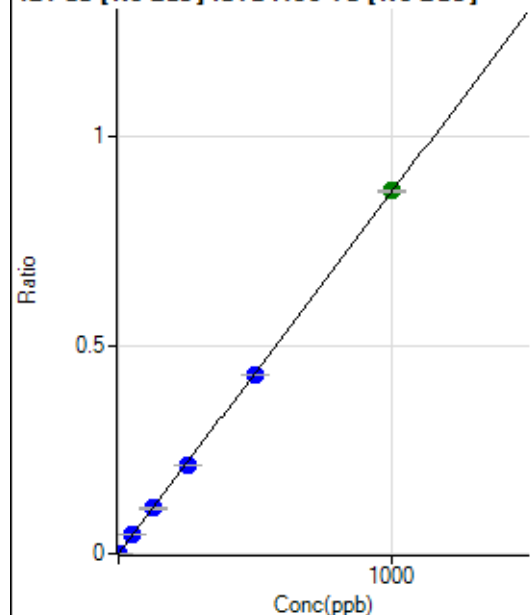
$$DL = 0.1952$$

$$BEC = 0.1385$$

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	19.45	0.0000	P	25.7
2	☐	0.200	0.186	397.24	0.0002	P	13.8
3	☐	2.000	2.051	4125.74	0.0018	P	7.0
4	☐	50.000	51.608	104777.64	0.0448	P	1.4
5	☐	125.000	126.518	264040.89	0.1098	P	3.7
6	☐	250.000	245.978	530651.72	0.2134	P	0.7
7	☐	500.000	494.567	1062704.51	0.4290	P	0.6
8	☐	1000.000	1003.452	2177346.14	0.8705	A	0.6
9	☐			1411.23	0.0006	P	14.8

$$y = 8.6749\text{E-}004 * x + 8.4845\text{E-}006$$

$$R = 1.0000$$

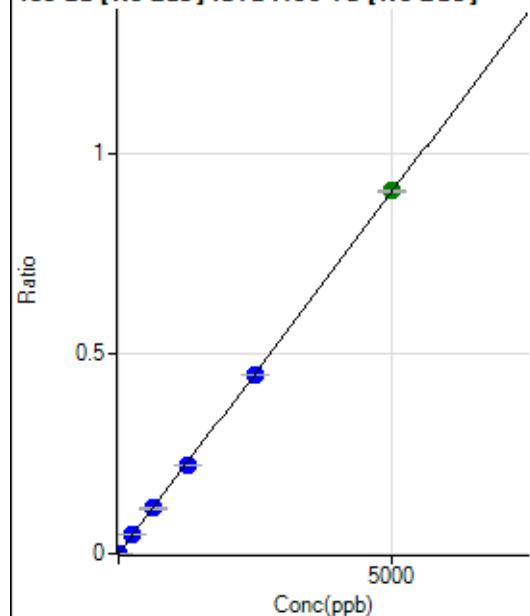
$$DL = 0.007529$$

$$BEC = 0.00978$$

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	11.11	0.0000	P	114.1
2	☐	1.000	1.039	450.02	0.0002	P	10.4
3	☐	10.000	10.758	4495.31	0.0019	P	2.1
4	☐	250.000	255.161	107816.48	0.0461	P	0.8
5	☐	625.000	628.840	273187.57	0.1135	P	2.5
6	☐	1250.000	1230.399	552440.07	0.2222	P	0.5
7	☐	2500.000	2466.103	1102841.09	0.4453	P	0.1
8	☐	5000.000	5021.109	2267349.49	0.9066	A	0.9
9	☐			1094.52	0.0004	P	10.1

$$y = 1.8055\text{E-}004 * x + 4.8018\text{E-}006$$

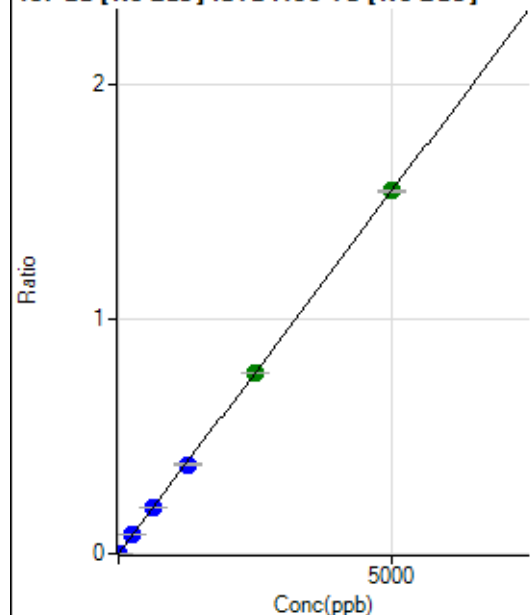
$$R = 1.0000$$

$$DL = 0.09104$$

$$BEC = 0.02659$$

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	8.33	0.0000	P	99.6
2	☐	1.000	1.040	761.15	0.0003	P	9.9
3	☐	10.000	11.141	7960.86	0.0034	P	1.4
4	☐	250.000	260.527	188498.32	0.0806	P	0.6
5	☐	625.000	632.478	470550.37	0.1956	P	2.0
6	☐	1250.000	1232.354	947490.11	0.3810	P	1.1
7	☐	2500.000	2494.433	1910290.08	0.7712	A	0.5
8	☐	5000.000	5005.732	3871219.36	1.5477	A	0.6
9	☐			1808.50	0.0007	P	16.7

$$y = 3.0919\text{E-}004 * x + 3.6055\text{E-}006$$

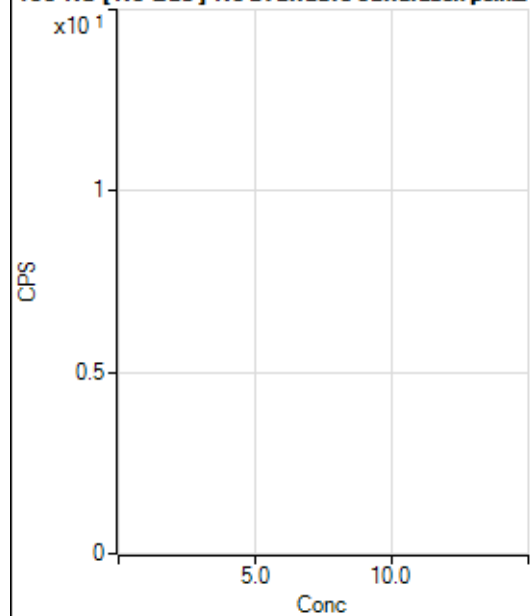
$$R = 1.0000$$

$$DL = 0.03484$$

$$BEC = 0.01166$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			17.78		P	57.3
2	☐			13.33		P	132.3
3	☐			13.33		P	100.0
4	☐			8.89		P	43.3
5	☐			11.11		P	69.3
6	☐			26.67		P	50.0
7	☐			51.11		P	60.3
8	☐			117.78		P	3.3
9	☐			24.44		P	56.8

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐			1.11		P	173.2
3	☐			2.22		P	173.2
4	☐			1.11		P	173.2
5	☐			2.22		P	86.6
6	☐			2.22		P	173.2
7	☐			4.44		P	43.4
8	☐			5.55		P	69.3
9	☐			5.56		P	34.7

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.33		P	0.0
2	☐			2.78		P	173.2
3	☐			2.78		P	173.2
4	☐			11.11		P	114.6
5	☐			27.78		P	105.4
6	☐			52.78		P	18.2
7	☐			83.34		P	10.0
8	☐			102.78		P	16.9
9	☐			491.69		P	12.8

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐			1.11		P	173.2
3	☐			1.11		P	173.2
4	☐			4.44		P	173.2
5	☐			5.55		P	69.3
6	☐			7.78		P	49.5
7	☐			37.78		P	5.1
8	☐			44.44		P	28.4
9	☐			266.67		P	17.6

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	88.2
2	☐			38.89		P	53.9
3	☐			13.89		P	34.7
4	☐			33.34		P	75.0
5	☐			30.56		P	41.7
6	☐			55.56		P	17.3
7	☐			94.45		P	10.2
8	☐			161.12		P	29.4
9	☐			530.58		P	7.4

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			7.78		P	49.5
2	☐			8.89		P	43.3
3	☐			6.66		P	86.6
4	☐			8.89		P	86.6
5	☐			8.89		P	43.3
6	☐			33.33		P	30.0
7	☐			43.33		P	15.4
8	☐			77.78		P	25.1
9	☐			316.67		P	10.0

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.89		P	34.7
2	☐			22.22		P	57.3
3	☐			22.22		P	21.6
4	☐			22.22		P	43.3
5	☐			38.89		P	61.9
6	☐			25.00		P	33.3
7	☐			33.33		P	25.0
8	☐			38.89		P	44.6
9	☐			97.23		P	35.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.1
2	☐			10.00		P	33.3
3	☐			8.89		P	78.1
4	☐			14.45		P	48.0
5	☐			14.44		P	35.3
6	☐			16.67		P	20.0
7	☐			17.78		P	57.3
8	☐			14.45		P	48.0
9	☐			48.89		P	7.9

172 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			8.33		P	100.0
3	☐			16.67		P	NaN
4	☐			13.89		P	124.9
5	☐			11.11		P	114.6
6	☐			19.44		P	49.5
7	☐			8.33		P	100.0
8	☐			11.11		P	43.3
9	☐			16.67		P	50.0

172 Yb [He] No available calibration points

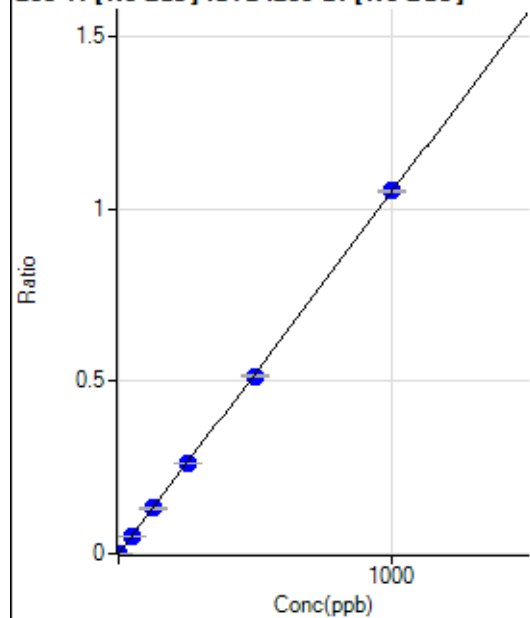
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.85		P	173.2
2	☐			5.56		P	NaN
3	☐			7.41		P	43.2
4	☐			5.56		P	100.0
5	☐			7.41		P	43.2
6	☐			7.41		P	43.2
7	☐			0.00		P	
8	☐			9.26		P	69.2
9	☐			12.96		P	65.4

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			305.57		P	9.6
2	☐			219.45		P	4.4
3	☐			222.23		P	17.3
4	☐			258.34		P	14.8
5	☐			219.45		P	17.1
6	☐			213.90		P	13.7
7	☐			261.12		P	18.1
8	☐			297.23		P	8.1
9	☐			288.90		P	1.7

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			450.02		P	18.7
2	☐			351.87		P	19.0
3	☐			218.53		P	8.2
4	☐			233.34		P	4.8
5	☐			237.05		P	5.9
6	☐			244.45		P	15.7
7	☐			227.79		P	8.8
8	☐			175.93		P	17.4
9	☐			216.67		P	11.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	63.89	0.0001	P	79.0
2	☐	0.100	0.081	169.45	0.0001	P	35.9
3	☐	1.000	1.069	1441.78	0.0012	P	5.9
4	☐	50.000	49.660	64826.11	0.0520	P	0.8
5	☐	125.000	125.696	167967.36	0.1316	P	1.0
6	☐	250.000	248.487	339129.82	0.2601	P	0.3
7	☐	500.000	491.932	681820.48	0.5149	P	0.8
8	☐	1000.000	1004.342	1416675.09	1.0512	P	0.8
9	☐			452.80	0.0003	P	6.2

$$y = 0.0010 * x + 5.1957E-005$$

$$R = 1.0000$$

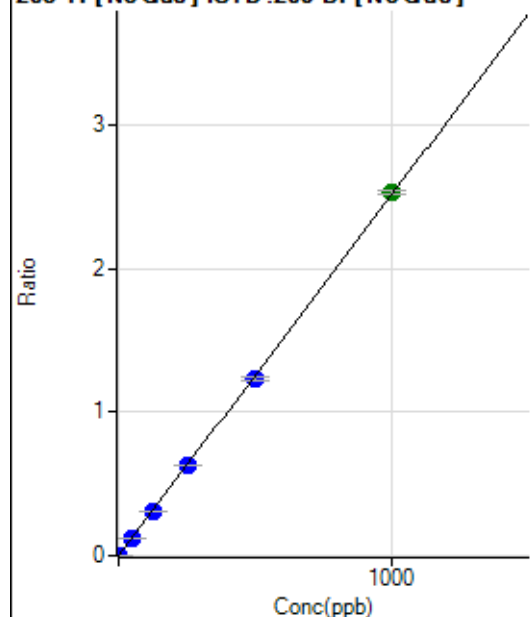
$$DL = 0.1177$$

$$BEC = 0.04965$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	91.67	0.0001	P	50.9
2	☐	0.100	0.103	411.13	0.0003	P	6.4
3	☐	1.000	1.011	3222.72	0.0026	P	4.9
4	☐	50.000	49.539	155239.23	0.1246	P	1.6
5	☐	125.000	123.554	396472.27	0.3106	P	0.7
6	☐	250.000	249.429	817467.47	0.6270	P	0.9
7	☐	500.000	490.342	1632165.95	1.2325	P	1.6
8	☐	1000.000	1005.176	3405106.85	2.5265	A	1.2
9	☐			1213.98	0.0009	P	15.3

$$y = 0.0025 * x + 7.4311E-005$$

$$R = 0.9999$$

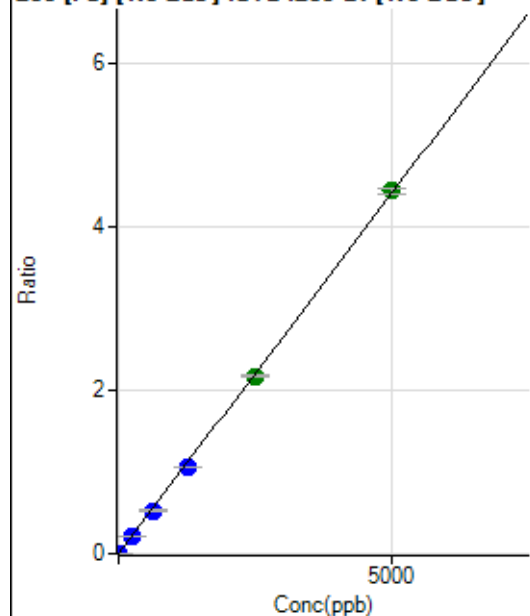
$$DL = 0.04514$$

$$BEC = 0.02957$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	107.41	0.0001	P	15.5
2	☐	0.100	0.098	214.82	0.0002	P	11.7
3	☐	1.000	1.015	1209.33	0.0010	P	6.1
4	☐	250.000	242.697	266613.65	0.2140	P	1.2
5	☐	625.000	599.772	674732.91	0.5286	P	0.5
6	☐	1250.000	1195.724	1373988.12	1.0538	P	0.9
7	☐	2500.000	2459.266	2869923.59	2.1673	A	1.0
8	☐	5000.000	5037.454	5982608.99	4.4394	A	1.6
9	☐			4172.98	0.0032	P	1.0

$$y = 8.8126E-004 * x + 8.7090E-005$$

$$R = 0.9999$$

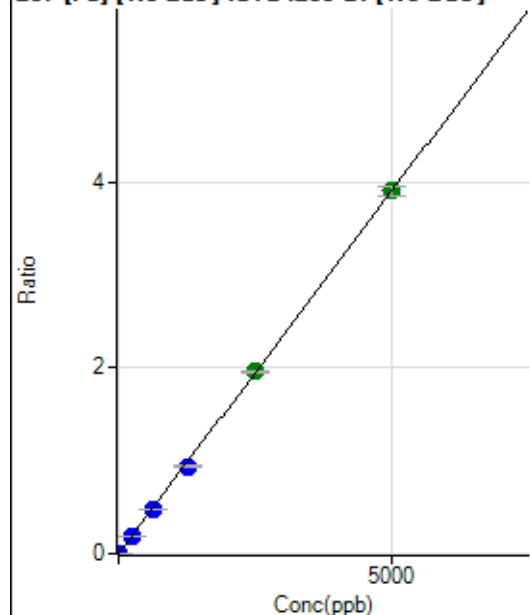
$$DL = 0.04607$$

$$BEC = 0.09882$$

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	111.11	0.0001	P	16.6
2	☐	0.100	0.096	203.71	0.0002	P	11.0
3	☐	1.000	0.964	1037.10	0.0008	P	11.3
4	☐	250.000	245.275	238596.06	0.1915	P	2.1
5	☐	625.000	609.411	607086.73	0.4756	P	0.3
6	☐	1250.000	1205.129	1226216.10	0.9405	P	1.4
7	☐	2500.000	2513.359	2597265.42	1.9613	A	1.2
8	☐	5000.000	5006.723	5264343.98	3.9070	A	2.6
9	☐			3833.99	0.0029	P	2.7

$$y = 7.8033\text{E-}004 * x + 8.9962\text{E-}005$$

$$R = 1.0000$$

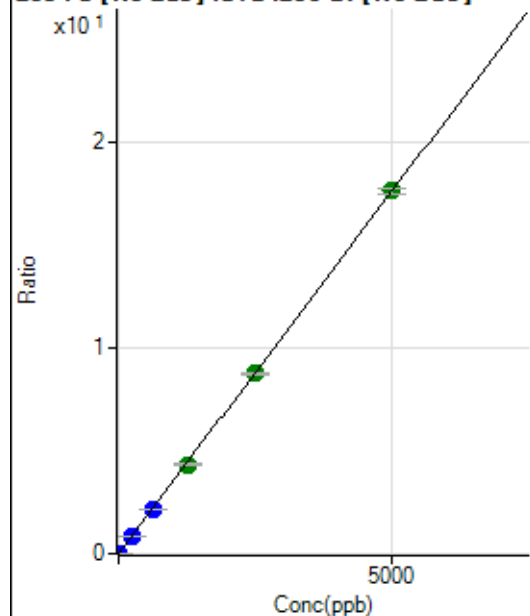
$$DL = 0.0574$$

$$BEC = 0.1153$$

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	437.05	0.0004	P	10.9
2	☐	0.100	0.095	850.03	0.0007	P	12.2
3	☐	1.000	1.030	4893.05	0.0040	P	3.2
4	☐	250.000	244.639	1070953.90	0.8595	P	0.7
5	☐	625.000	607.510	2723469.32	2.1338	P	0.5
6	☐	1250.000	1228.054	5623277.04	4.3130	A	1.4
7	☐	2500.000	2487.799	11568966.12	8.7369	A	0.3
8	☐	5000.000	5014.041	23728499.78	17.6085	A	1.5
9	☐			17130.72	0.0130	P	1.4

$$y = 0.0035 * x + 3.5399\text{E-}004$$

$$R = 1.0000$$

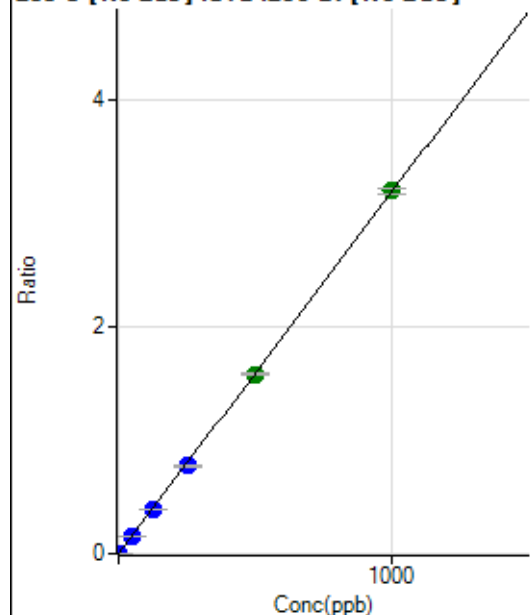
$$DL = 0.03309$$

$$BEC = 0.1008$$

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	8.33	0.0000	P	99.7
2	☐	0.100	0.087	350.02	0.0003	P	4.2
3	☐	1.000	0.967	3797.89	0.0031	P	1.6
4	☐	50.000	48.641	192816.30	0.1547	P	2.0
5	☐	125.000	121.600	493753.75	0.3868	P	0.5
6	☐	250.000	243.412	1009574.02	0.7743	P	1.0
7	☐	500.000	495.834	2088494.19	1.5773	A	0.9
8	☐	1000.000	1004.223	4305597.19	3.1946	A	1.3
9	☐			702.82	0.0005	P	5.8

$$y = 0.0032 * x + 6.7207E-006$$

$$R = 1.0000$$

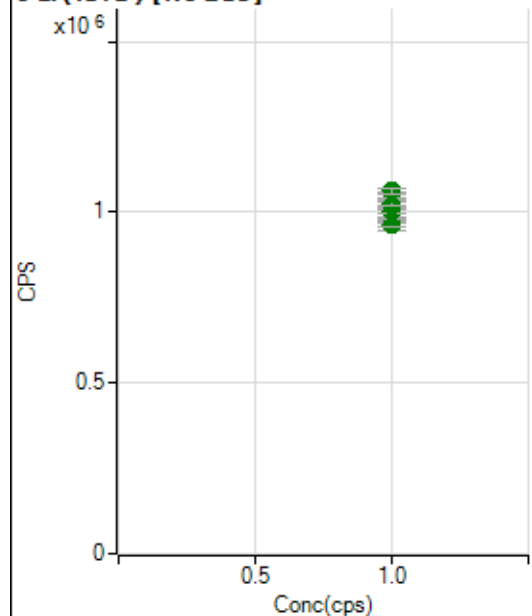
$$DL = 0.00632$$

$$BEC = 0.002113$$

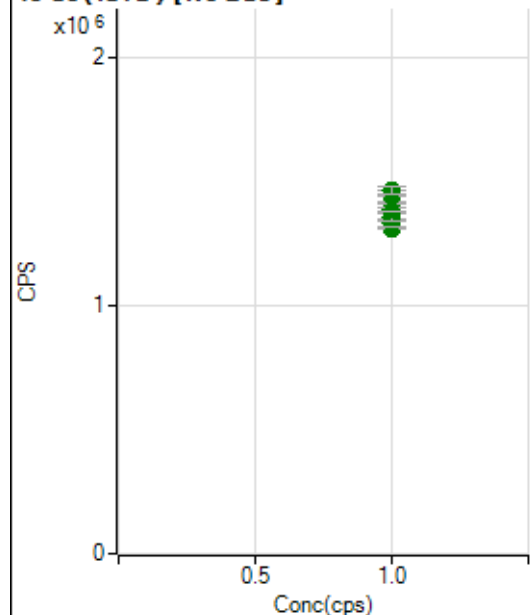
Weight: <None>

Min Conc: 0

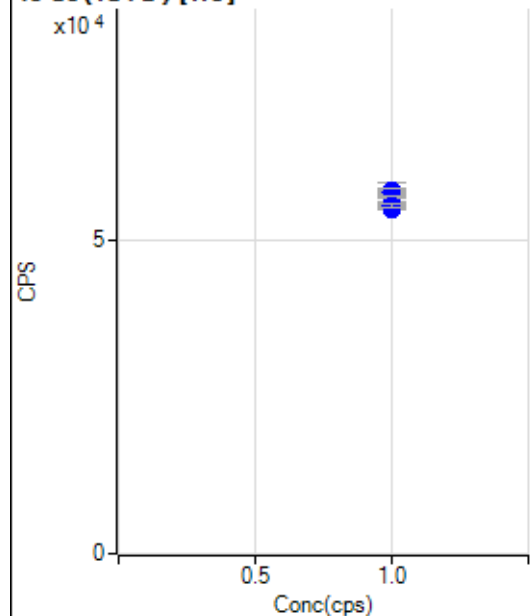
6 Li (ISTD) [No Gas]



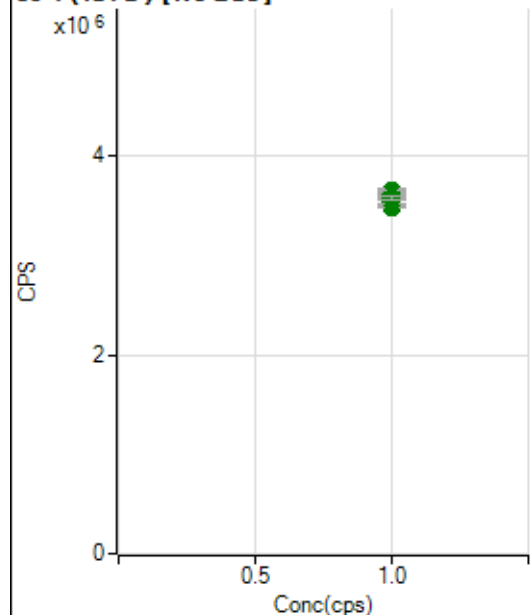
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		960001.78		A	2.6
2	☐	1.000		973132.39		A	1.3
3	☐	1.000		964578.69		A	1.7
4	☐	1.000		983718.26		A	0.9
5	☐	1.000		1001035.61		A	1.1
6	☐	1.000		1020979.68		A	1.9
7	☐	1.000		1026905.43		A	2.0
8	☐	1.000		1050195.56		A	1.1
9	☐	1.000		1062187.47		A	1.7

45 Sc (ISTD) [No Gas]

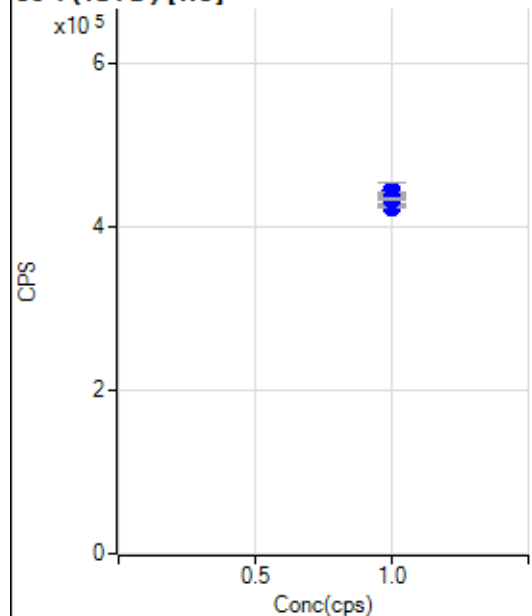
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1311348.65		A	0.3
2	☐	1.000		1330813.24		A	1.7
3	☐	1.000		1360993.69		A	1.6
4	☐	1.000		1355688.86		A	2.3
5	☐	1.000		1388341.68		A	1.3
6	☐	1.000		1416303.37		A	0.6
7	☐	1.000		1447070.57		A	0.8
8	☐	1.000		1454573.61		A	1.4
9	☐	1.000		1463995.71		A	2.1

45 Sc (ISTD) [He]

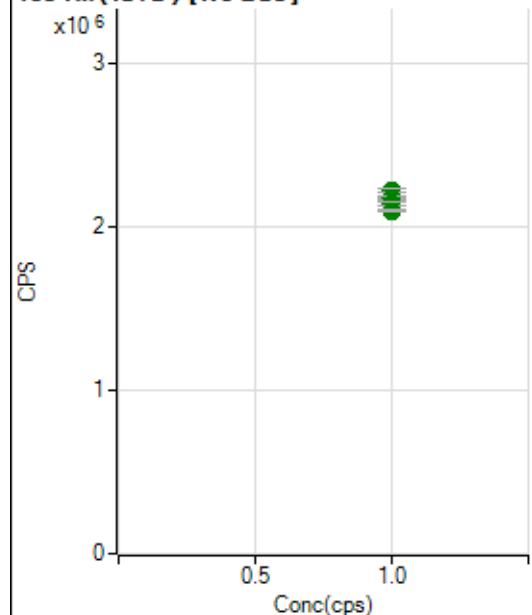
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		55906.94		P	0.5
2	☐	1.000		56895.40		P	0.5
3	☐	1.000		55727.48		P	0.8
4	☐	1.000		57782.40		P	4.3
5	☐	1.000		57736.40		P	0.5
6	☐	1.000		57730.77		P	1.4
7	☐	1.000		56683.40		P	0.5
8	☐	1.000		54894.29		P	0.3
9	☐	1.000		55546.77		P	1.1

89 Y (ISTD) [No Gas]

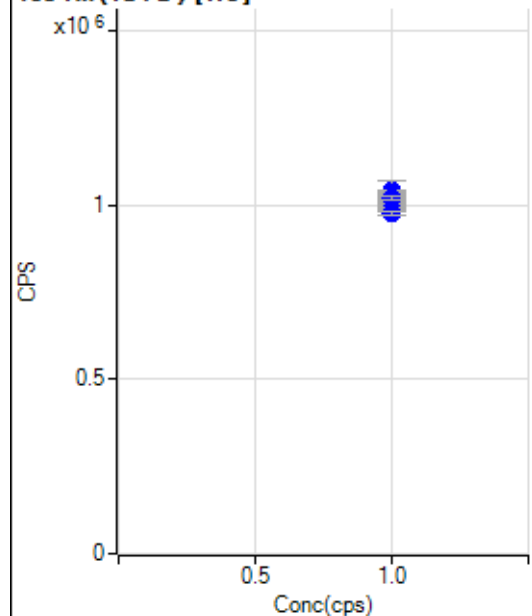
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3492046.89		A	0.9
2	☐	1.000		3509678.07		A	0.3
3	☐	1.000		3521021.06		A	1.8
4	☐	1.000		3544414.25		A	1.5
5	☐	1.000		3579013.25		A	0.3
6	☐	1.000		3650563.25		A	1.4
7	☐	1.000		3622230.46		A	1.0
8	☐	1.000		3610498.25		A	2.3
9	☐	1.000		3572110.95		A	1.2

89 Y (ISTD) [He]

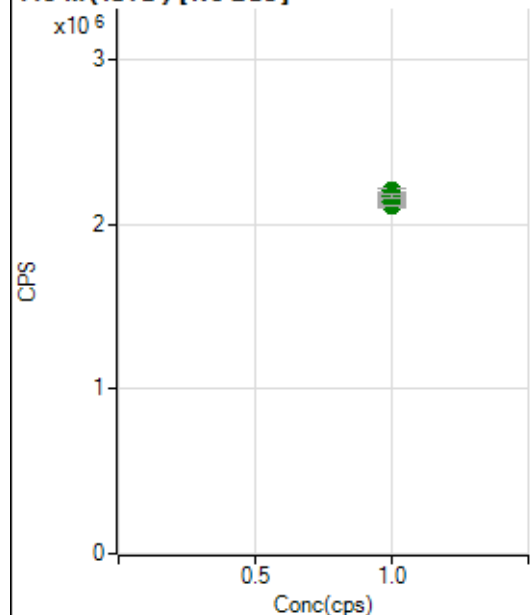
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		426898.27		P	0.5
2	☐	1.000		433598.15		P	0.6
3	☐	1.000		425325.42		P	0.7
4	☐	1.000		443646.08		P	4.7
5	☐	1.000		437807.69		P	0.2
6	☐	1.000		441767.96		P	0.4
7	☐	1.000		433902.07		P	0.5
8	☐	1.000		423929.36		P	0.5
9	☐	1.000		433318.95		P	0.5

103 Rh (ISTD) [No Gas]

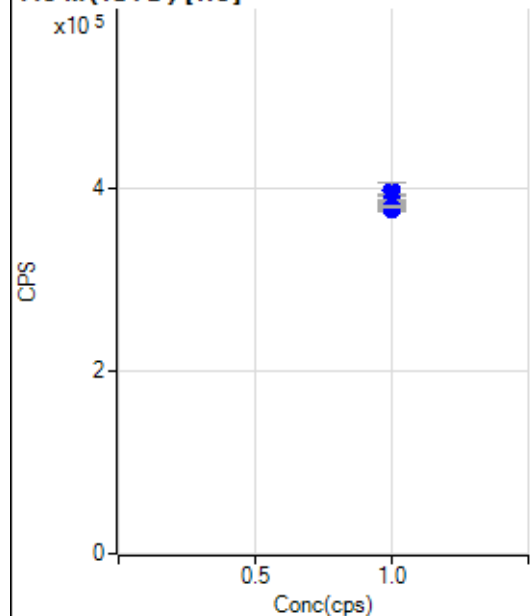
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2151686.27		A	2.0
2	☐	1.000		2185889.26		A	2.4
3	☐	1.000		2161909.62		A	1.2
4	☐	1.000		2184310.66		A	2.1
5	☐	1.000		2188925.74		A	0.3
6	☐	1.000		2217965.89		A	1.1
7	☐	1.000		2179496.27		A	1.1
8	☐	1.000		2143684.03		A	1.0
9	☐	1.000		2094607.90		A	0.6

103 Rh (ISTD) [He]

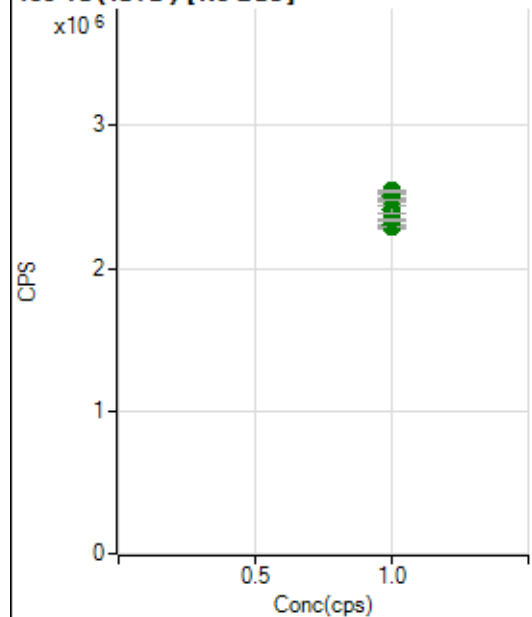
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1000173.08		P	0.7
2	☐	1.000		1023106.84		P	0.2
3	☐	1.000		1004754.16		P	0.7
4	☐	1.000		1040572.57		P	5.2
5	☐	1.000		1030197.52		P	0.5
6	☐	1.000		1039021.30		P	0.3
7	☐	1.000		1019011.10		P	0.9
8	☐	1.000		988838.51		P	0.5
9	☐	1.000		977002.41		P	1.2

115 In (ISTD) [No Gas]

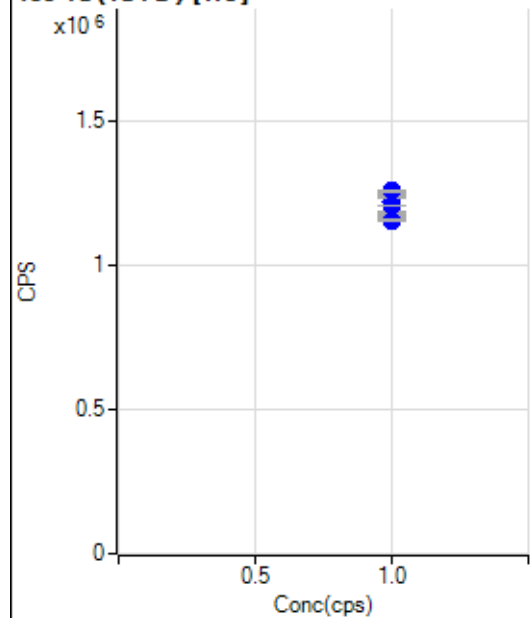
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2129570.99		A	1.7
2	☐	1.000		2147961.88		A	1.0
3	☐	1.000		2113147.81		A	0.8
4	☐	1.000		2143378.05		A	1.6
5	☐	1.000		2185793.38		A	0.7
6	☐	1.000		2204423.98		A	1.0
7	☐	1.000		2166347.87		A	1.2
8	☐	1.000		2133002.57		A	1.2
9	☐	1.000		2173668.68		A	1.5

115 In (ISTD) [He]

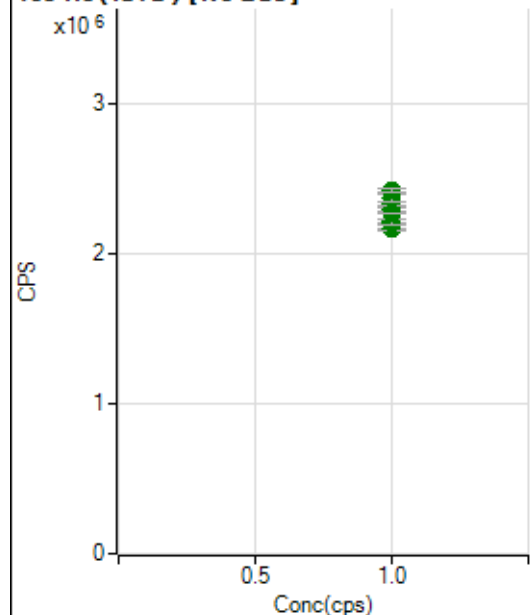
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		381829.68		P	0.7
2	☐	1.000		385642.95		P	0.7
3	☐	1.000		379579.08		P	1.1
4	☐	1.000		396768.08		P	4.9
5	☐	1.000		392563.31		P	0.6
6	☐	1.000		393473.04		P	0.1
7	☐	1.000		386144.47		P	0.3
8	☐	1.000		375434.14		P	0.2
9	☐	1.000		379577.21		P	0.5

159 Tb (ISTD) [No Gas]

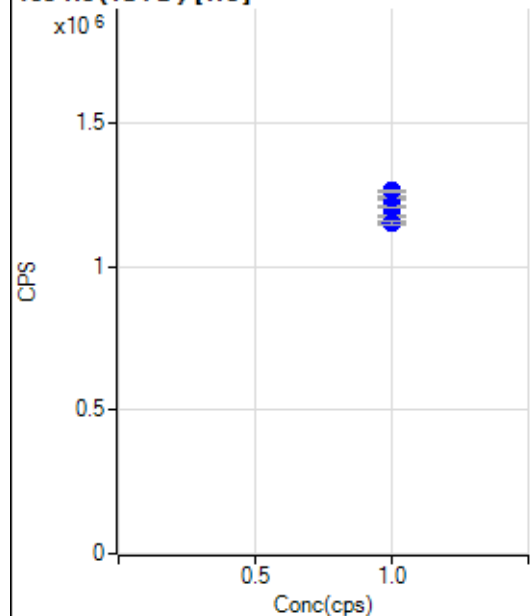
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2295373.58		A	1.1
2	☐	1.000		2339752.87		A	0.2
3	☐	1.000		2309046.39		A	1.8
4	☐	1.000		2340057.83		A	0.7
5	☐	1.000		2406945.94		A	2.3
6	☐	1.000		2486662.29		A	0.7
7	☐	1.000		2476818.40		A	1.3
8	☐	1.000		2501125.97		A	1.5
9	☐	1.000		2542613.07		A	0.8

159 Tb (ISTD) [He]

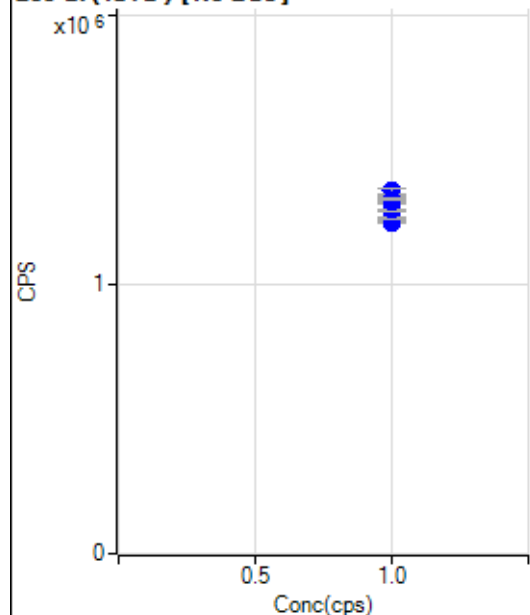
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1160015.10		P	0.4
2	☐	1.000		1178271.15		P	1.4
3	☐	1.000		1153844.94		P	0.8
4	☐	1.000		1214645.45		P	6.0
5	☐	1.000		1205525.02		P	0.4
6	☐	1.000		1240817.22		P	0.4
7	☐	1.000		1246322.45		P	0.2
8	☐	1.000		1235856.36		P	0.5
9	☐	1.000		1255666.84		P	0.6

165 Ho (ISTD) [No Gas]

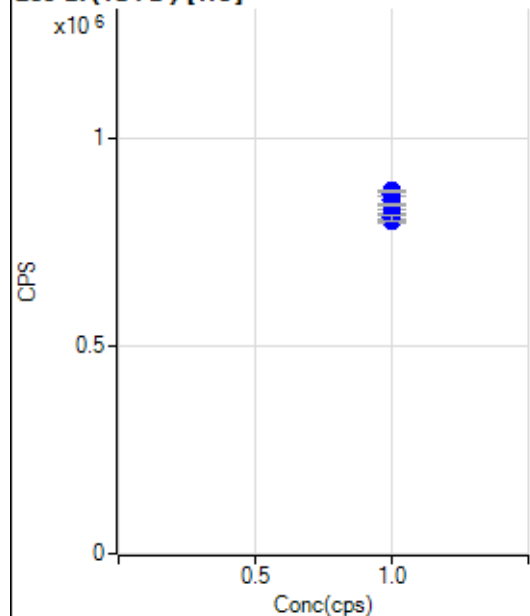
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2187513.55		A	1.5
2	☐	1.000		2211531.34		A	1.3
3	☐	1.000		2166823.36		A	1.9
4	☐	1.000		2204793.87		A	1.8
5	☐	1.000		2271094.54		A	0.5
6	☐	1.000		2289373.90		A	1.8
7	☐	1.000		2330794.47		A	1.3
8	☐	1.000		2371264.38		A	2.1
9	☐	1.000		2416658.23		A	1.1

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1152701.65		P	0.8
2	☐	1.000		1177104.55		P	0.6
3	☐	1.000		1156015.84		P	0.9
4	☐	1.000		1212242.08		P	5.5
5	☐	1.000		1210196.99		P	0.2
6	☐	1.000		1238669.12		P	0.9
7	☐	1.000		1241940.01		P	0.5
8	☐	1.000		1245039.93		P	0.4
9	☐	1.000		1265971.55		P	0.7

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1234191.76		P	0.7
2	☐	1.000		1236339.09		P	0.8
3	☐	1.000		1231848.91		P	0.7
4	☐	1.000		1246069.38		P	0.3
5	☐	1.000		1276369.84		P	0.6
6	☐	1.000		1303772.97		P	0.5
7	☐	1.000		1324118.76		P	1.1
8	☐	1.000		1347627.29		P	1.8
9	☐	1.000		1316447.31		P	0.7

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		800352.38		P	0.9
2	☐	1.000		820032.94		P	0.2
3	☐	1.000		807647.10		P	1.3
4	☐	1.000		851855.97		P	5.4
5	☐	1.000		841390.10		P	0.6
6	☐	1.000		866260.18		P	0.9
7	☐	1.000		868882.38		P	0.1
8	☐	1.000		872786.93		P	0.6
9	☐	1.000		838068.81		P	0.4

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8060221-MS.b
Acq. Date-Time 2021-06-02 14:02:05
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		2758	27577.33			1.011	5.000
24		13555	135552.27			1.218	5.000
25		1924	19238.93			1.595	5.000
26		2346	23463.60			1.881	5.000
59		4304	43041.12			1.673	5.000
113		2006	20056.46			1.286	5.000
115		5941	59408.06			1.079	5.000
206		2116	21162.87			0.975	5.000
207		1741	17406.96			1.032	5.000
208		4289	42887.47			1.932	5.000
220		1	9.50			29.773	

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

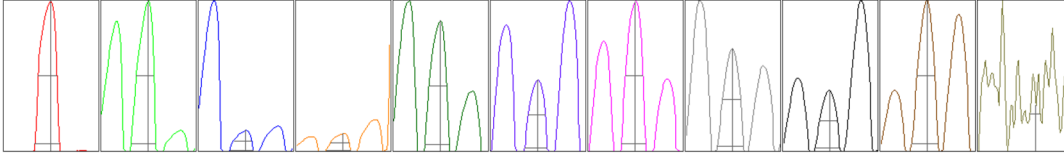
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	2733	2738	2772	2800	2745
24	13373	13499	13478	13805	13620
25	1896	1927	1897	1972	1928
26	2300	2317	2356	2415	2345
59	4237	4255	4315	4421	4293
113	1968	1999	2004	2037	2020
115	5850	5912	5962	6021	5960
206	2096	2135	2108	2141	2101
207	1720	1757	1738	1761	1728
208	4178	4326	4280	4402	4259

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	4979.48	9.00	8.90 - 9.10	
24	25514.22	24.00	23.90 - 24.10	
25	3504.02	25.00	24.90 - 25.10	
26	4155.32	26.00	25.90 - 26.10	
59	8037.48	59.00	58.90 - 59.10	
113	3883.33	113.00	112.90 - 113.10	
115	11228.90	115.00	114.90 - 115.10	
206	3898.76	206.00	205.90 - 206.10	
207	3210.38	207.00	206.90 - 207.10	
208	7968.09	208.00	207.90 - 208.10	
220	0.90	220.35	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.59	0.774	0.900	
24	0.56	0.780	0.900	
25	0.58	0.740	0.900	
26	0.59	0.778	0.900	
59	0.55	0.779	0.900	
113	0.55	0.704	0.900	
115	0.55	0.771	0.900	
206	0.57	0.822	0.900	
207	0.56	0.778	0.900	
208	0.56	0.835	0.900	
220	0.33			

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode HMI Nebulizer Gas 0.48 L/min Dilution Gas 0.44 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	8.5 V	Deflect	16.4 V
Extract 2	-210.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-95 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	180 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9994	QP Bias	-4.0 V
Mass Offset	125	Axis Offset	-0.03		

Hardware Settings

Torch

Torch H	1.0 mm	Torch V	-0.7 mm
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EM

Discriminator	4.0 mV	Analog HV	2207 V	Pulse HV	1499 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		1003	10028.55			1.021	
89		2815	28149.13			0.760	
205		1942	19416.63			1.028	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	1016	999	1011	994	994
89	2853	2805	2802	2809	2805
205	1941	1923	1972	1925	1947

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	HMI	Nebulizer Gas	0.48 L/min	Dilution Gas	0.44 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	8.5 V	Deflect	5.4 V
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US EPA Tune Check Report

Extract 2	-210.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-95 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	0.9994	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	-0.03		
Hardware Settings					
Torch					
Torch H	1.0 mm	Torch V	-0.7 mm		
EM					
Discriminator	4.0 mV	Analog HV	2207 V	Pulse HV	1499 V