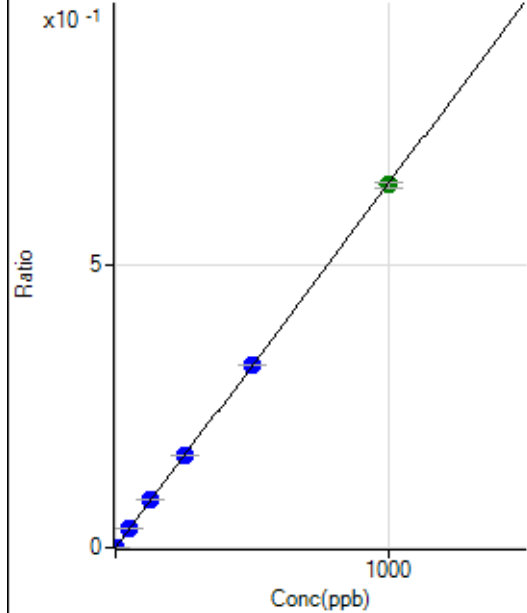


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7071422-MS.b\
Analysis File: P7071422-MS .batch.bin
DA Date-Time: 2022-12-13 14:10:28
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB P7071422-MS.D	S00	2022-07-14 13:33:33
2	005CALS P7071422-MS.D	S01	2022-07-14 13:36:25
3	006CALS P7071422-MS.D	S02	2022-07-14 13:39:19
4	007CALS P7071422-MS.D	S03	2022-07-14 13:42:11
5	008CALS P7071422-MS.D	S04	2022-07-14 13:44:58
6	009CALS P7071422-MS.D	S05	2022-07-14 13:47:42
7	010CALS P7071422-MS.D	S06	2022-07-14 13:50:30
8	011CALS P7071422-MS.D	S07	2022-07-14 13:53:15
9	012CALS P7071422-MS.D	S08	2022-07-14 13:56:03

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	42.22	0.0000	P	23.2
2	☐	0.100	0.097	232.22	0.0001	P	20.2
3	☐	1.000	1.080	2172.40	0.0007	P	2.9
4	☐	50.000	52.569	103229.55	0.0339	P	0.6
5	☐	125.000	130.975	254451.17	0.0845	P	1.9
6	☐	250.000	253.322	471554.95	0.1634	P	0.7
7	☐	500.000	503.603	877032.24	0.3249	P	0.3
8	☐	1000.000	996.493	1662641.17	0.6429	A	1.3
9	☐			5079.76	0.0020	P	0.7

$$y = 6.4515\text{E-}004 * x + 1.3860\text{E-}005$$

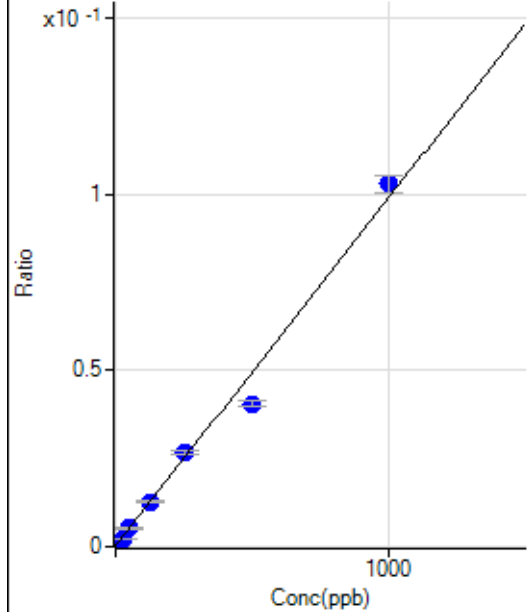
$$R = 1.0000$$

$$DL = 0.01493$$

$$BEC = 0.02148$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	688.92	0.0002	P	3.8
2	☐	2.500	1.747	1211.19	0.0004	P	4.5
3	☐	25.000	18.394	6245.85	0.0020	P	4.3
4	☐	50.000	50.965	16016.97	0.0053	P	5.2
5	☐	125.000	127.410	38581.93	0.0128	P	5.9
6	☐	250.000	268.879	77337.44	0.0268	P	4.0
7	☐	500.000	409.256	109784.41	0.0407	P	4.1
8	☐	1000.000	1040.470	266523.97	0.1031	P	5.0
9	☐			15082.70	0.0060	P	8.3

$$y = 9.8840\text{E-}005 * x + 2.2598\text{E-}004$$

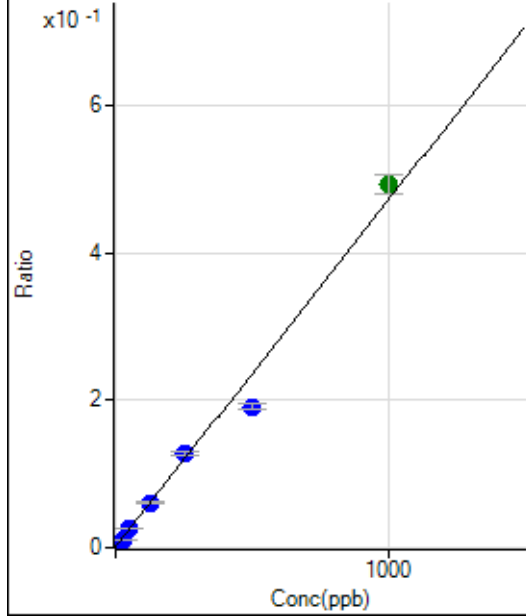
$$R = 0.9943$$

$$DL = 0.2598$$

$$BEC = 2.286$$

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	3128.18	0.0010	P	4.4
2	☐	2.500	1.884	5815.13	0.0019	P	3.4
3	☐	25.000	18.801	30205.14	0.0099	P	6.0
4	☐	50.000	51.966	77644.88	0.0255	P	3.8
5	☐	125.000	126.182	182033.27	0.0605	P	5.6
6	☐	250.000	268.821	368472.85	0.1277	P	2.7
7	☐	500.000	403.805	516283.62	0.1913	P	3.8
8	☐	1000.000	1043.303	1273848.46	0.4926	A	5.3
9	☐			72088.38	0.0288	P	10.2

$$y = 4.7117\text{E-}004 * x + 0.0010$$

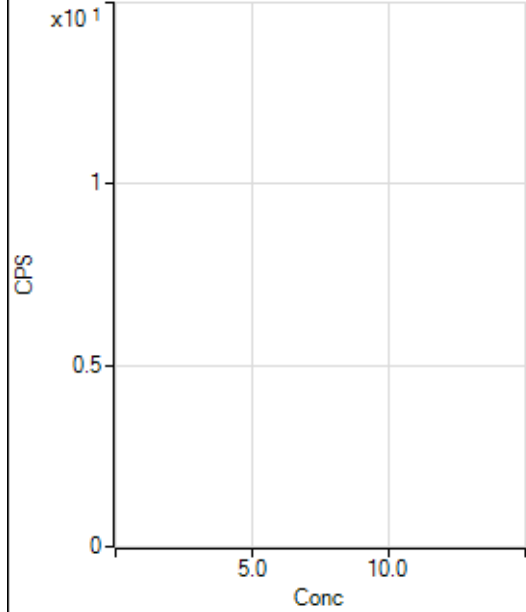
$$R = 0.9936$$

$$DL = 0.2876$$

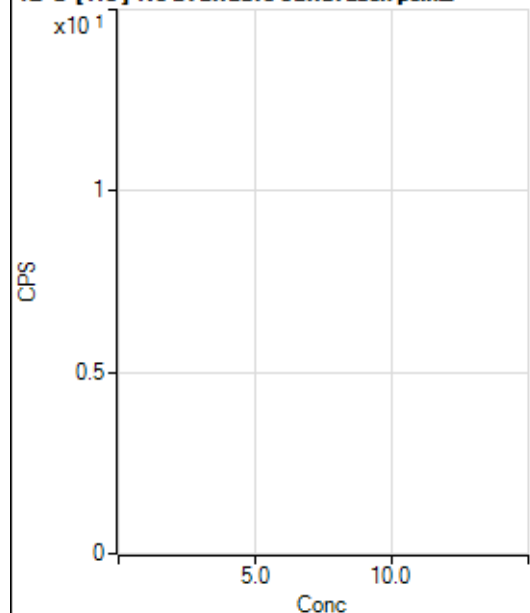
$$BEC = 2.178$$

Weight: <None>

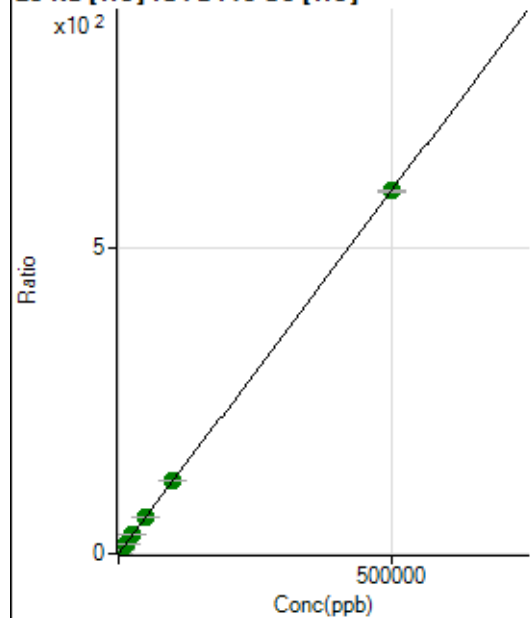
Min Conc: 0

12 C [No Gas] No available calibration points

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	33315.86	0.0504	P	2.5
2	☐	50.000	47.284	70763.79	0.1065	P	0.7
3	☐	500.000	485.310	416102.60	0.6266	P	0.6
4	☐	5000.000	5088.215	3993722.57	6.0914	A	1.0
5	☐	12500.000	12818.872	9377983.31	15.2697	A	0.7
6	☐	25000.000	25243.933	17212494.94	30.0214	A	0.6
7	☐	50000.000	50516.015	32164704.89	60.0258	A	0.9
8	☐	100000.00	100107.56	63563928.73	118.9037	A	0.6
9	☐	500000.00	499905.84	327340322.1	593.5664	A	0.5

$$y = 0.0012 * x + 0.0504$$

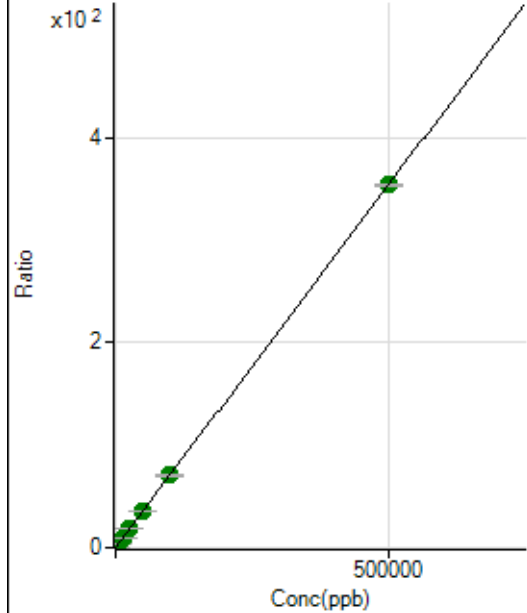
$$R = 1.0000$$

$$DL = 3.182$$

$$BEC = 42.45$$

Weight: <None>

Min Conc: 0

24 Mg [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	600.02	0.0009	P	9.0
2	☐	50.000	47.741	23024.89	0.0347	P	1.3
3	☐	500.000	503.835	237165.13	0.3571	P	0.4
4	☐	5000.000	5125.043	2376471.81	3.6245	A	0.2
5	☐	12500.000	12855.460	5582769.92	9.0902	A	1.0
6	☐	25000.000	25274.378	10245954.63	17.8708	A	0.5
7	☐	50000.000	50803.275	19247958.30	35.9207	A	0.7
8	☐	100000.00	99630.573	37657611.49	70.4433	A	0.7
9	☐	500000.00	499969.69	194946646.9	353.4977	A	0.7

$$y = 7.0704\text{E-}004 * x + 9.0745\text{E-}004$$

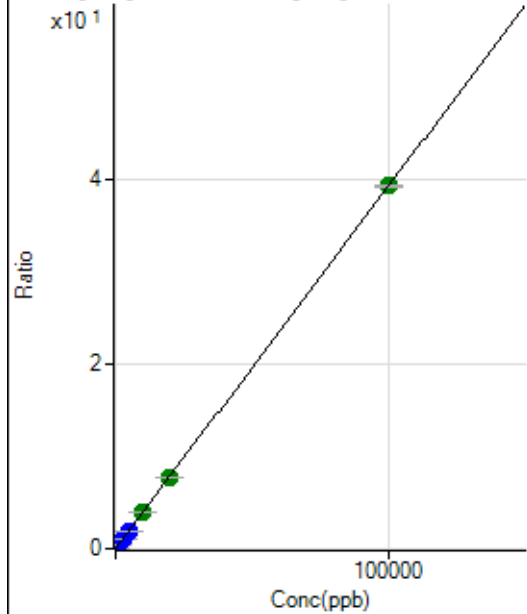
$$R = 1.0000$$

$$DL = 0.3458$$

$$BEC = 1.283$$

Weight: <None>

Min Conc: 0

27 Al [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	318.53	0.0005	P	8.5
2	☐	2.000	2.013	846.33	0.0013	P	8.7
3	☐	20.000	19.669	5462.17	0.0082	P	2.6
4	☐	1000.000	991.399	256197.82	0.3908	P	1.3
5	☐	2500.000	2507.497	606567.60	0.9876	P	0.6
6	☐	5000.000	4895.700	1105240.72	1.9277	P	0.4
7	☐	10000.000	9958.493	2100895.23	3.9208	A	0.1
8	☐	20000.000	19764.772	4159620.52	7.7812	A	0.9
9	☐	100000.00	100056.31	21722379.42	39.3891	A	0.2

$$y = 3.9366\text{E-}004 * x + 4.8197\text{E-}004$$

$$R = 1.0000$$

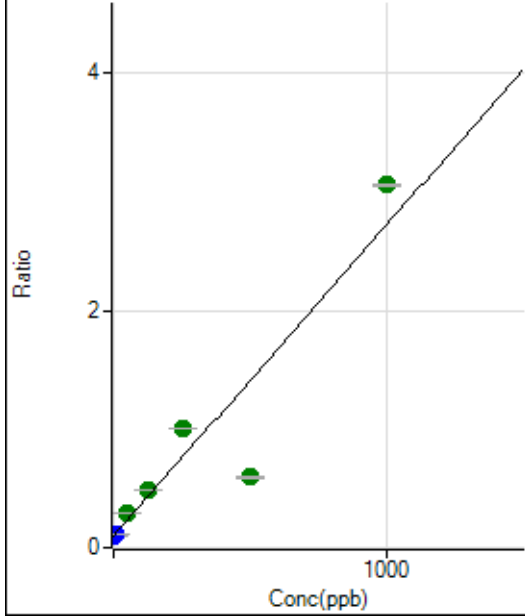
$$DL = 0.3123$$

$$BEC = 1.224$$

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	746536.79	0.1012	P	0.7
2	☐	1.000	-0.004	763860.36	0.1012	P	1.4
3	☐	10.000	3.743	833101.79	0.1110	P	0.8
4	☐	50.000	71.722	2144908.12	0.2894	A	1.5
5	☐	125.000	148.356	3535322.60	0.4904	A	0.2
6	☐	250.000	345.408	6888278.28	1.0073	A	0.8
7	☐	500.000	187.618	3737297.04	0.5934	A	2.0
8	☐	1000.000	1128.397	18855477.16	3.0614	A	0.5
9	☐			1990818.10	0.3243	A	5.7

$$y = 0.0026 * x + 0.1012$$

$$R = 0.9368$$

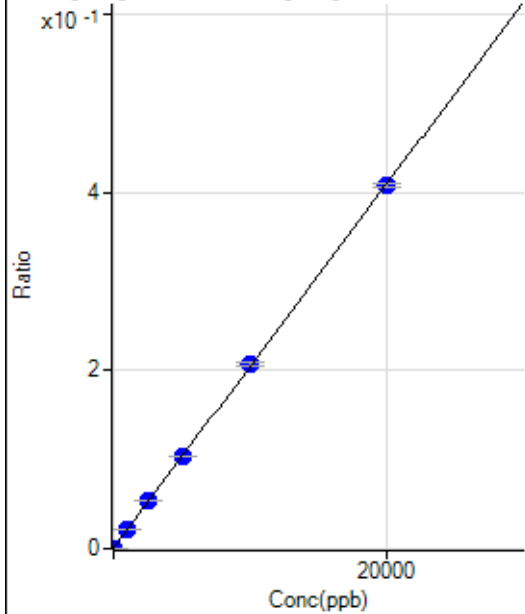
$$DL = 0.7955$$

$$BEC = 38.58$$

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	-4.392	458.35	0.0007	P	14.1
2	☐	0.000	-4.966	452.80	0.0007	P	17.7
3	☐	0.000	9.358	647.25	0.0010	P	2.4
4	☐	1000.000	1026.461	14268.12	0.0218	P	1.9
5	☐	2500.000	2626.099	33448.30	0.0545	P	1.2
6	☐	5000.000	5053.339	59661.38	0.1041	P	1.2
7	☐	10000.000	10114.262	111179.96	0.2075	P	1.8
8	☐	20000.000	19912.449	217972.89	0.4077	P	1.2
9	☐			1125.07	0.0020	P	2.6

$$y = 2.0438E-005 * x + 7.8338E-004$$

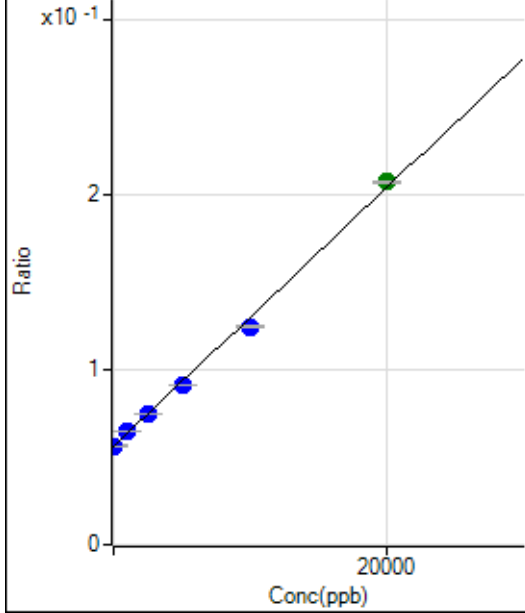
$$R = 1.0000$$

$$DL = 11.84$$

$$BEC = 38.33$$

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	47.138	416542.31	0.0565	P	0.6
2	☐	0.000	-51.583	420752.15	0.0557	P	0.5
3	☐	0.000	4.445	421362.39	0.0562	P	0.6
4	☐	1000.000	1172.142	480168.59	0.0648	P	0.5
5	☐	2500.000	2493.947	537352.31	0.0745	P	0.2
6	☐	5000.000	4752.308	623748.93	0.0912	P	0.4
7	☐	10000.000	9238.279	783131.70	0.1243	P	0.8
8	☐	20000.000	20434.933	1275167.31	0.2070	A	0.7
9	☐			310114.55	0.0505	P	0.4

$$y = 7.3854E-006 * x + 0.0561$$

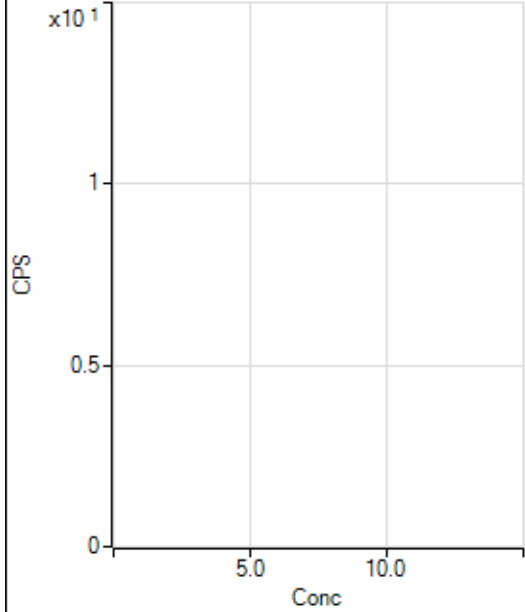
R = 0.9988

DL = 126.1

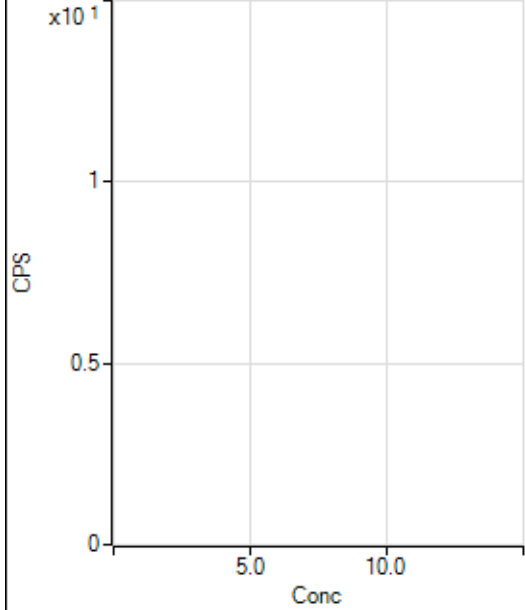
BEC = 7599

Weight: <None>

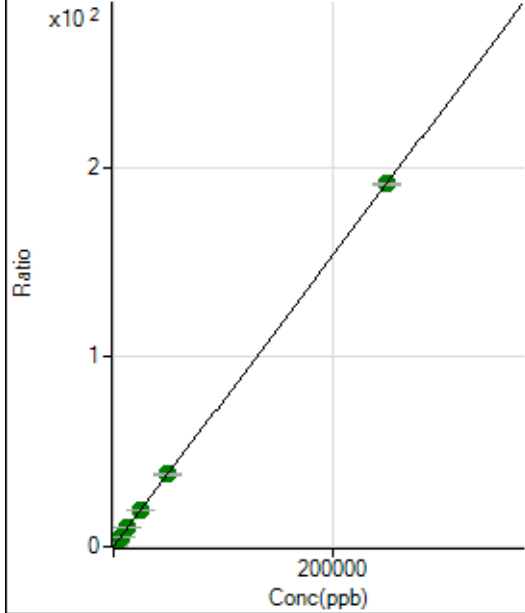
Min Conc: 0

35 Cl [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	77385.72	0.1171	P	0.6
2	☐	50.000	54.029	105175.82	0.1583	P	1.9
3	☐	500.000	529.244	346266.74	0.5214	P	0.9
4	☐	2500.000	2607.920	1383162.37	2.1096	A	1.4
5	☐	6250.000	6397.112	3073695.71	5.0047	A	0.6
6	☐	12500.000	12524.860	5553624.39	9.6866	A	0.3
7	☐	25000.000	25018.179	10305188.16	19.2320	A	0.3
8	☐	50000.000	49679.623	20353844.20	38.0744	A	0.7
9	☐	250000.00	250056.19	105427415.5	191.1704	A	0.2

$$y = 7.6404\text{E-}004 * x + 0.1171$$

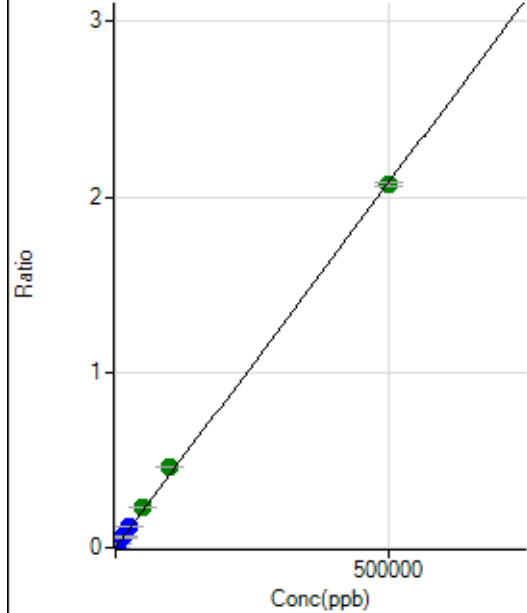
$$R = 1.0000$$

$$DL = 2.762$$

$$BEC = 153.2$$

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	177.79	0.0000	P	39.0
2	☐	50.000	47.209	1664.02	0.0002	P	2.8
3	☐	500.000	498.992	15755.76	0.0021	P	3.2
4	☐	5000.000	5846.177	180452.86	0.0243	P	2.4
5	☐	12500.000	14487.441	434616.29	0.0603	P	1.6
6	☐	25000.000	28494.519	810702.53	0.1186	P	0.5
7	☐	50000.000	56473.630	1479724.70	0.2349	A	0.1
8	☐	100000.00	110066.58	2820200.32	0.4579	A	0.5
9	☐	500000.00	497106.44	12685207.49	2.0679	A	1.0

$$y = 4.1599\text{E-}006 * x + 2.4041\text{E-}005$$

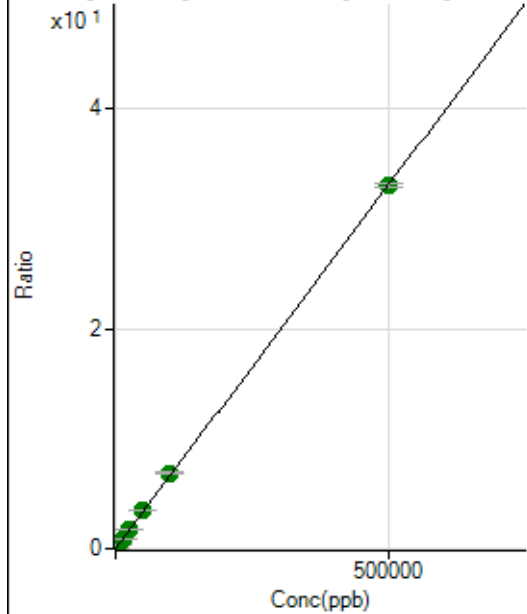
$$R = 0.9997$$

$$DL = 6.76$$

$$BEC = 5.779$$

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	12344.54	0.0017	P	2.4
2	☐	50.000	49.148	37182.46	0.0049	P	1.5
3	☐	500.000	507.854	264701.84	0.0353	P	0.4
4	☐	5000.000	5426.768	2673943.46	0.3607	A	1.0
5	☐	12500.000	13284.549	6348231.04	0.8806	A	0.9
6	☐	25000.000	26301.226	11910660.94	1.7418	A	0.7
7	☐	50000.000	52749.867	21990893.55	3.4917	A	0.4
8	☐	100000.00	104307.17	42515392.27	6.9029	A	0.5
9	☐	500000.00	498774.62	202448514.2	33.0016	A	1.1

$$y = 6.6162\text{E-}005 * x + 0.0017$$

$$R = 1.0000$$

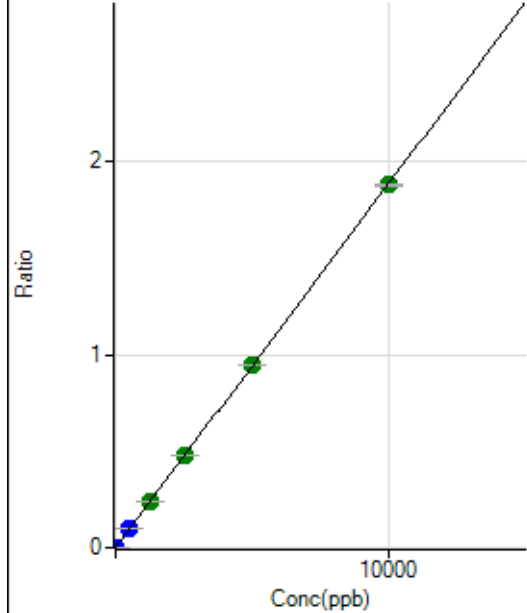
$$DL = 1.798$$

$$BEC = 25.3$$

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	191.68	0.0000	P	24.0
2	☐	0.500	0.516	930.61	0.0001	P	10.2
3	☐	5.000	4.968	7224.10	0.0010	P	3.2
4	☐	500.000	509.593	712489.22	0.0961	P	1.4
5	☐	1250.000	1272.933	1730475.26	0.2401	A	1.7
6	☐	2500.000	2516.527	3245080.28	0.4746	A	0.2
7	☐	5000.000	5037.547	5982617.41	0.9499	A	0.3
8	☐	10000.000	9973.748	11583559.98	1.8807	A	0.5
9	☐			35556.37	0.0058	P	1.6

$$y = 1.8856E-004 * x + 2.5972E-005$$

$$R = 1.0000$$

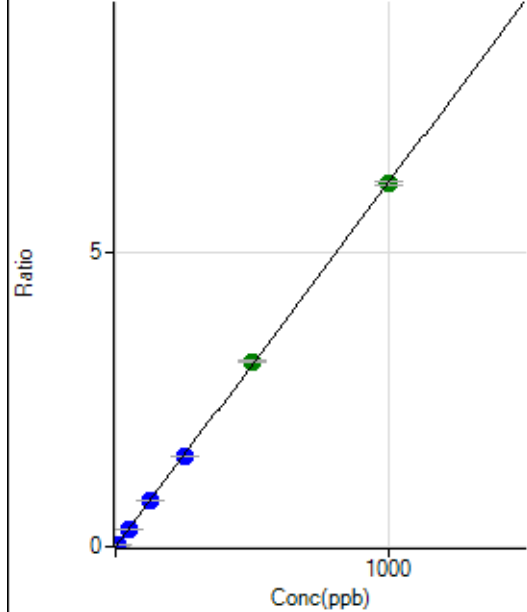
$$DL = 0.09928$$

$$BEC = 0.1377$$

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	10.00	0.0000	P	57.9
2	☐	0.500	0.494	2036.82	0.0031	P	3.9
3	☐	5.000	5.009	20540.72	0.0309	P	1.0
4	☐	50.000	49.968	202204.42	0.3084	P	0.5
5	☐	125.000	126.070	477883.83	0.7781	P	0.3
6	☐	250.000	248.139	878021.71	1.5314	P	0.2
7	☐	500.000	507.664	1678788.25	3.1332	A	1.1
8	☐	1000.000	996.501	3287825.71	6.1501	A	1.2
9	☐			10890.68	0.0197	P	2.3

$$y = 0.0062 * x + 1.5140E-005$$

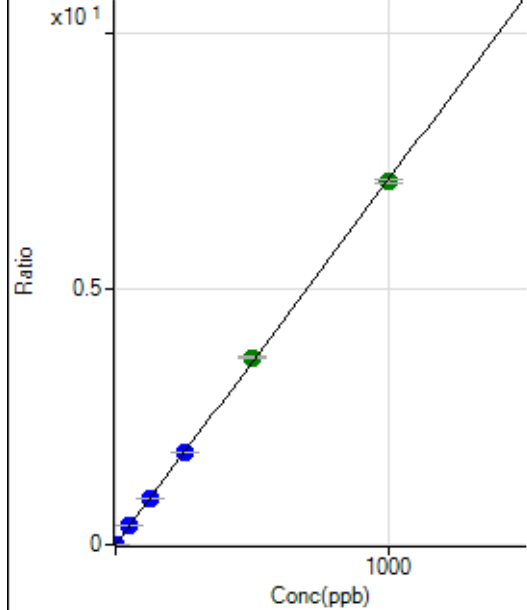
$$R = 1.0000$$

$$DL = 0.004258$$

$$BEC = 0.002453$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1227.84	0.0019	P	4.9
2	☐	0.200	0.180	2087.94	0.0031	P	4.5
3	☐	2.000	2.034	10889.57	0.0164	P	1.8
4	☐	50.000	50.833	239514.60	0.3653	P	0.6
5	☐	125.000	127.643	561675.41	0.9145	P	0.2
6	☐	250.000	252.007	1034102.72	1.8037	P	0.2
7	☐	500.000	511.707	1961327.28	3.6605	A	1.4
8	☐	1000.000	993.273	3797405.43	7.1037	A	1.2
9	☐			22859.57	0.0415	P	0.6

$$y = 0.0071 * x + 0.0019$$

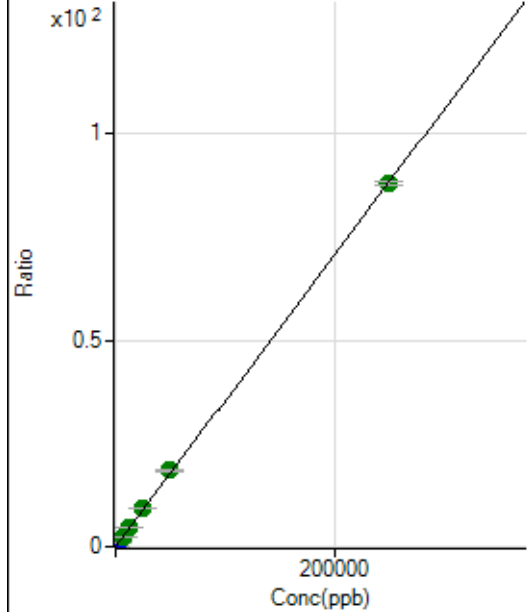
$$R = 0.9999$$

$$DL = 0.03855$$

$$BEC = 0.2598$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1535.00	0.0023	P	2.8
2	☐	5.000	6.002	2946.66	0.0044	P	6.4
3	☐	50.000	53.268	14004.26	0.0211	P	2.8
4	☐	2500.000	2723.641	630614.59	0.9618	P	0.5
5	☐	6250.000	6616.430	1433073.14	2.3332	A	0.8
6	☐	12500.000	13383.307	2704411.45	4.7170	A	0.4
7	☐	25000.000	26559.012	5014665.58	9.3586	A	0.8
8	☐	50000.000	52301.697	9850795.45	18.4274	A	0.9
9	☐	250000.00	249328.19	48439977.02	87.8367	A	1.0

$$y = 3.5228E-004 * x + 0.0023$$

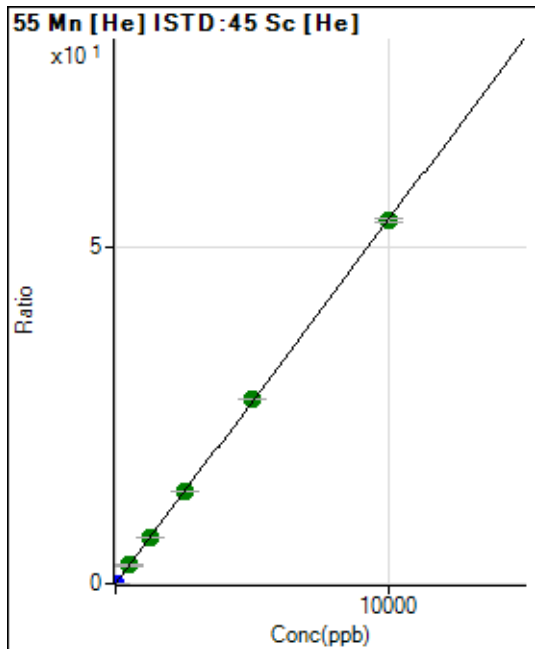
$$R = 0.9999$$

$$DL = 0.549$$

$$BEC = 6.591$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	231.12	0.0003	P	11.2
2	☐	0.100	0.127	688.91	0.0010	P	7.3
3	☐	1.000	1.057	4026.13	0.0061	P	0.9
4	☐	500.000	502.879	1782910.65	2.7194	A	1.3
5	☐	1250.000	1266.887	4207644.21	6.8504	A	0.9
6	☐	2500.000	2523.100	7821699.05	13.6427	A	0.2
7	☐	5000.000	5050.049	14631470.75	27.3059	A	0.2
8	☐	10000.000	9966.946	28808832.90	53.8915	A	1.0
9	☐			103649.10	0.1879	P	0.2

$$y = 0.0054 * x + 3.4951E-004$$

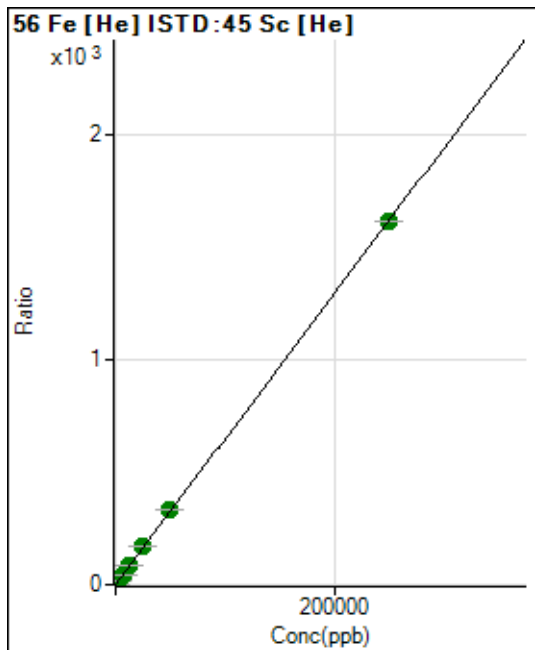
$$R = 1.0000$$

$$DL = 0.02181$$

$$BEC = 0.06464$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15296.89	0.0231	P	0.9
2	☐	5.000	5.104	37289.08	0.0561	P	1.2
3	☐	50.000	51.474	236347.21	0.3559	P	1.2
4	☐	2500.000	2594.565	11012517.61	16.7965	A	0.7
5	☐	6250.000	6539.103	25977902.90	42.2973	A	0.3
6	☐	12500.000	12934.541	47953245.06	83.6426	A	0.6
7	☐	25000.000	26292.926	91094477.96	170.0022	A	0.8
8	☐	50000.000	51417.825	177710385.4	332.4301	A	0.7
9	☐	250000.00	249557.24	889742397.6	1,613.365	A	0.1

$$y = 0.0065 * x + 0.0231$$

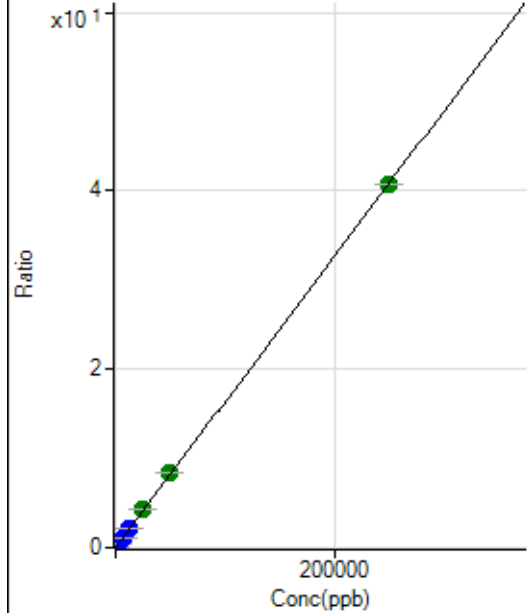
$$R = 1.0000$$

$$DL = 0.1005$$

$$BEC = 3.579$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	724.10	0.0011	P	10.9
2	☐	5.000	5.235	1294.52	0.0019	P	5.6
3	☐	50.000	54.699	6647.87	0.0100	P	1.2
4	☐	2500.000	2612.541	279899.45	0.4269	P	0.6
5	☐	6250.000	6598.785	661228.46	1.0766	P	0.1
6	☐	12500.000	13110.157	1225676.94	2.1379	P	0.1
7	☐	25000.000	26497.859	2314726.73	4.3199	A	0.6
8	☐	50000.000	51398.213	4478731.12	8.3782	A	1.1
9	☐	250000.00	249530.21	22429233.37	40.6708	A	0.1

$$y = 1.6299E-004 * x + 0.0011$$

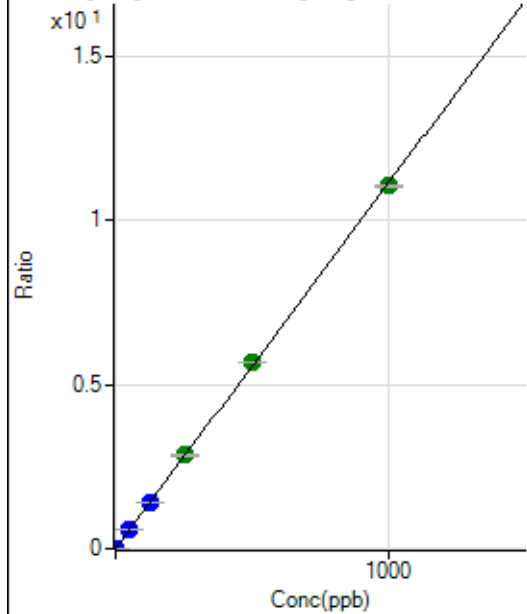
R = 1.0000

DL = 2.196

BEC = 6.722

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	123.33	0.0002	P	23.9
2	☐	0.100	0.096	831.14	0.0013	P	1.7
3	☐	1.000	1.020	7672.02	0.0116	P	1.5
4	☐	50.000	50.447	368542.20	0.5621	P	0.3
5	☐	125.000	126.687	866748.76	1.4113	P	0.8
6	☐	250.000	256.477	1638045.01	2.8570	A	1.7
7	☐	500.000	511.578	3053383.32	5.6984	A	0.2
8	☐	1000.000	992.358	5909091.65	11.0536	A	0.8
9	☐			34966.24	0.0634	P	2.6

$$y = 0.0111 * x + 1.8666E-004$$

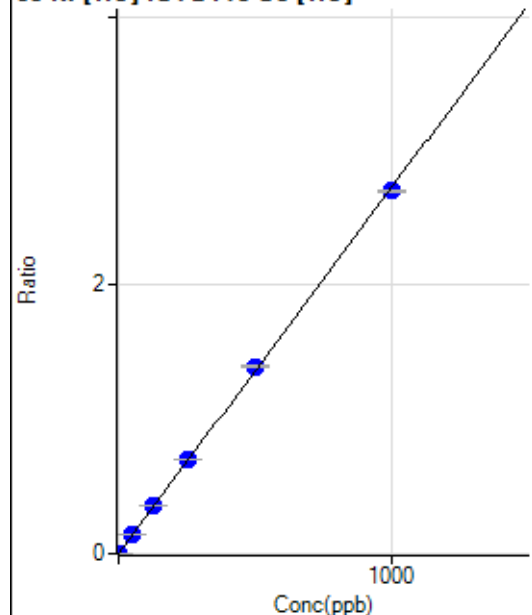
R = 0.9999

DL = 0.01202

BEC = 0.01676

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	88.89	0.0001	P	15.4
2	☐	0.100	0.117	301.12	0.0005	P	5.5
3	☐	1.000	1.006	1910.14	0.0029	P	1.3
4	☐	50.000	53.003	94801.50	0.1446	P	1.3
5	☐	125.000	132.048	221120.96	0.3600	P	0.1
6	☐	250.000	258.132	403426.03	0.7037	P	0.6
7	☐	500.000	511.028	746369.90	1.3929	P	0.7
8	☐	1000.000	991.422	1444561.98	2.7022	P	0.6
9	☐			10034.55	0.0182	P	2.4

$$y = 0.0027 * x + 1.3451E-004$$

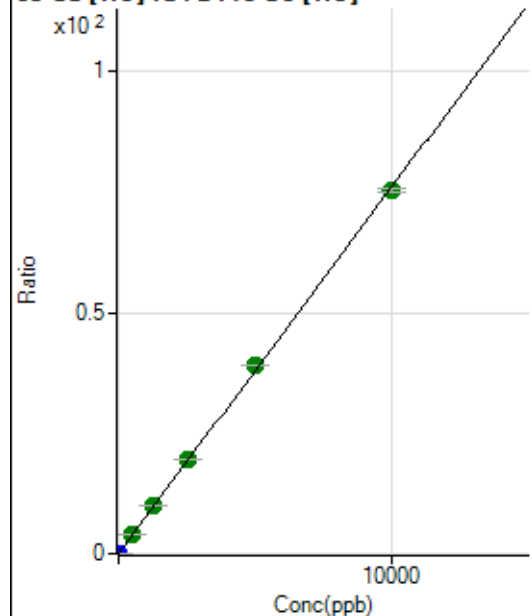
$$R = 0.9999$$

$$DL = 0.02284$$

$$BEC = 0.04935$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	717.81	0.0011	P	7.0
2	☐	0.200	0.251	1989.04	0.0030	P	3.7
3	☐	2.000	2.074	11183.15	0.0168	P	2.6
4	☐	500.000	528.198	2631854.54	4.0142	A	1.0
5	☐	1250.000	1301.644	6074610.39	9.8907	A	0.3
6	☐	2500.000	2563.202	11165868.17	19.4757	A	0.7
7	☐	5000.000	5148.425	20960101.77	39.1177	A	0.6
8	☐	10000.000	9902.121	40218611.34	75.2352	A	0.9
9	☐			120106.92	0.2178	P	0.8

$$y = 0.0076 * x + 0.0011$$

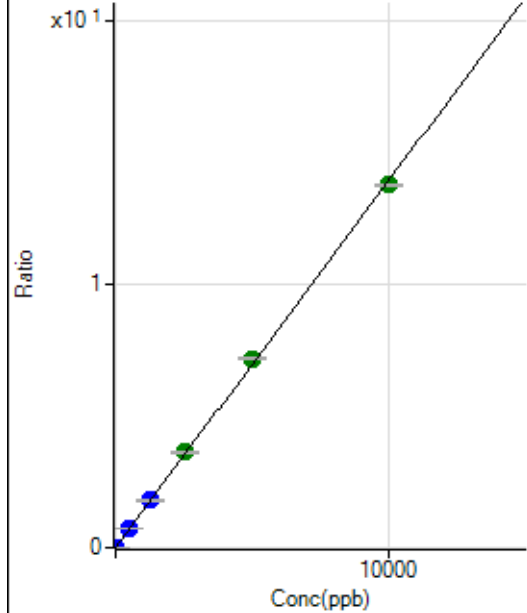
$$R = 0.9998$$

$$DL = 0.02992$$

$$BEC = 0.1429$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	421.12	0.0006	P	11.3
2	☒	0.200					
3	☐	2.000	2.185	2445.78	0.0037	P	4.7
4	☐	500.000	509.858	466337.63	0.7113	P	0.8
5	☐	1250.000	1285.247	1100509.97	1.7920	P	1.3
6	☐	2500.000	2601.295	2079039.93	3.6263	A	1.1
7	☐	5000.000	5154.698	3849905.36	7.1851	A	1.1
8	☐	10000.000	9892.428	7371059.33	13.7885	A	0.7
9	☐			33408.44	0.0606	P	0.7

$$y = 0.0014 * x + 6.3694E-004$$

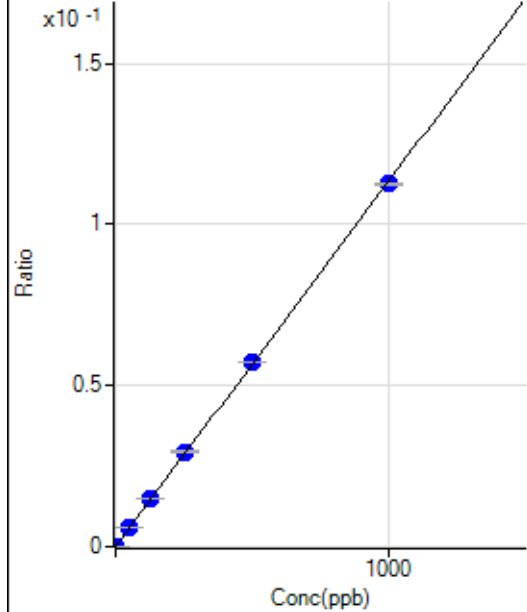
$$R = 0.9998$$

$$DL = 0.1549$$

$$BEC = 0.457$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15.43	0.0000	P	17.7
2	☐	0.100	0.128	85.80	0.0000	P	33.3
3	☐	1.000	1.090	614.21	0.0001	P	3.6
4	☐	50.000	53.676	29255.87	0.0061	P	1.5
5	☐	125.000	133.606	69188.85	0.0151	P	0.3
6	☐	250.000	260.103	129542.98	0.0295	P	1.0
7	☐	500.000	505.843	241650.73	0.0573	P	0.3
8	☐	1000.000	993.293	473254.15	0.1126	P	0.6
9	☐			1622.32	0.0004	P	4.3

$$y = 1.1334E-004 * x + 3.1792E-006$$

$$R = 0.9999$$

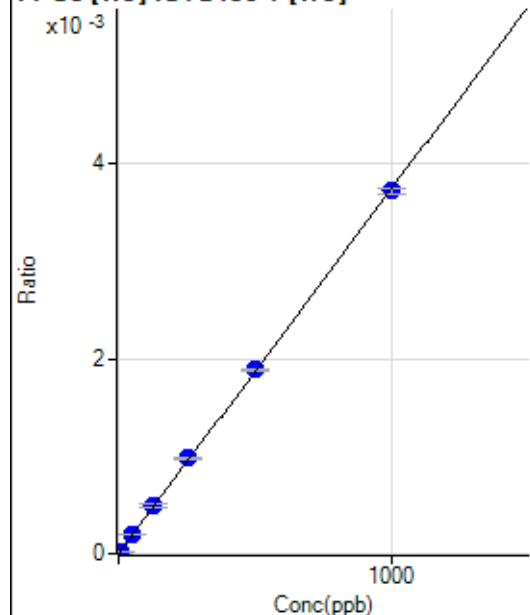
$$DL = 0.01488$$

$$BEC = 0.02805$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500	0.671	12.22	0.0000	P	41.4
3	☐	5.000	6.122	111.11	0.0000	P	22.3
4	☐	50.000	53.533	962.26	0.0002	P	6.4
5	☐	125.000	130.706	2232.41	0.0005	P	6.7
6	☐	250.000	261.852	4302.90	0.0010	P	3.0
7	☐	500.000	503.758	7941.09	0.0019	P	1.0
8	☐	1000.000	994.263	15631.65	0.0037	P	1.6
9	☐			57.78	0.0000	P	16.9

$$y = 3.7403\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

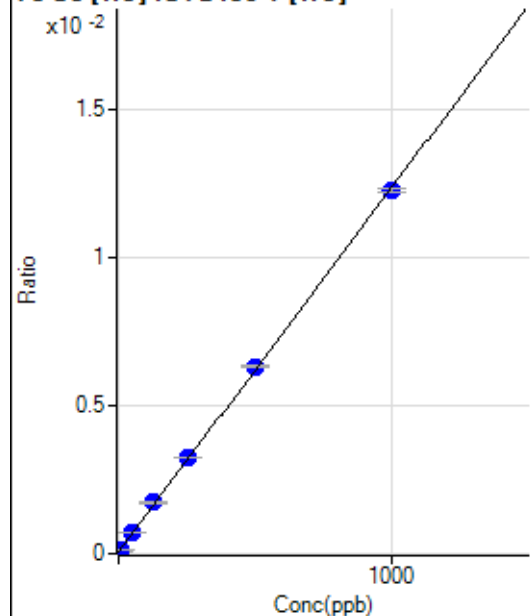
$$DL = 0$$

$$BEC = 0$$

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	280.87	0.0001	P	6.3
2	☐	0.500	0.869	333.96	0.0001	P	12.4
3	☐	5.000	5.589	614.21	0.0001	P	7.5
4	☐	50.000	54.332	3486.85	0.0007	P	0.9
5	☐	125.000	135.906	7892.25	0.0017	P	1.8
6	☐	250.000	259.198	14246.39	0.0032	P	1.0
7	☐	500.000	508.817	26590.47	0.0063	P	0.8
8	☐	1000.000	991.709	51459.77	0.0122	P	0.9
9	☐			387.05	0.0001	P	11.2

$$y = 1.2286\text{E-}005 * x + 5.7920\text{E-}005$$

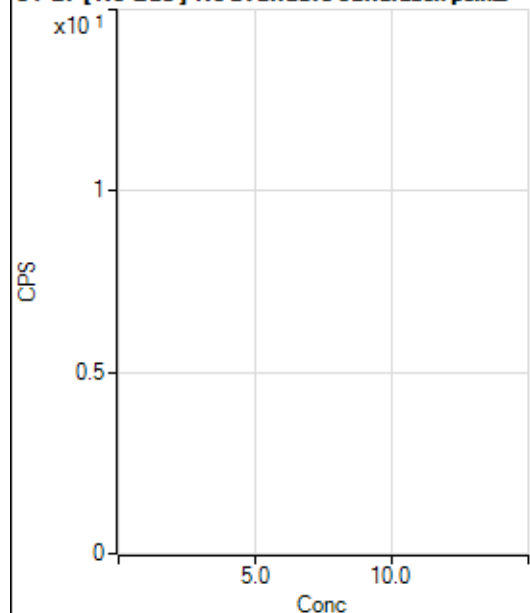
$$R = 0.9999$$

$$DL = 0.8972$$

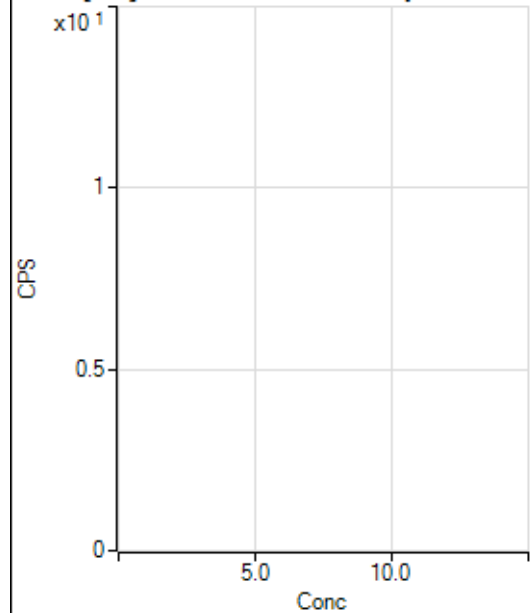
$$BEC = 4.714$$

Weight: <None>

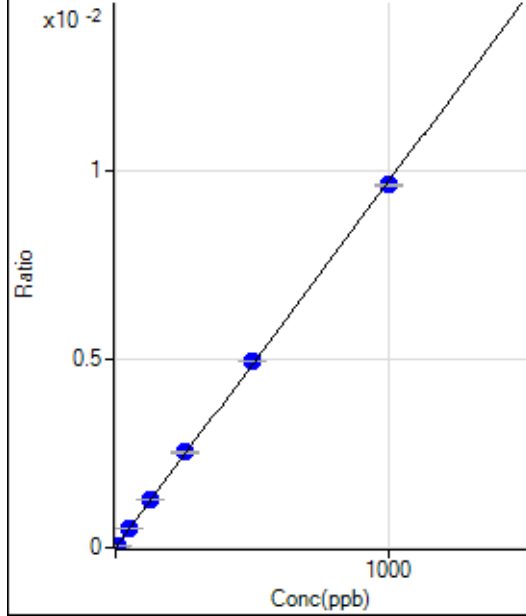
Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			20940.40		P	3.7
2	☐			22019.69		P	2.8
3	☐			21090.67		P	3.0
4	☐			21115.61		P	2.9
5	☐			20442.38		P	0.8
6	☐			18462.00		P	4.3
7	☐			17154.92		P	1.9
8	☐			17213.21		P	1.4
9	☐			17024.13		P	2.2

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			113.45		P	39.8
2	☐			86.75		P	35.3
3	☐			163.50		P	25.5
4	☐			90.09		P	0.0
5	☐			113.45		P	60.1
6	☐			143.48		P	56.8
7	☐			120.12		P	8.3
8	☐			80.08		P	54.5
9	☐			130.13		P	20.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	39.26	0.0000	P	212.
2	☒	0.500					
3	☐	5.000	5.518	1046.47	0.0001	P	4.9
4	☐	50.000	53.369	9746.44	0.0005	P	1.5
5	☐	125.000	133.149	23894.16	0.0013	P	0.2
6	☐	250.000	260.041	45470.27	0.0025	P	1.4
7	☐	500.000	510.746	84608.49	0.0050	P	0.4
8	☐	1000.000	990.927	160371.19	0.0096	P	0.2
9	☐			573.46	0.0000	P	8.4

$$y = 9.6957\text{E-}006 * x + 2.1284\text{E-}006$$

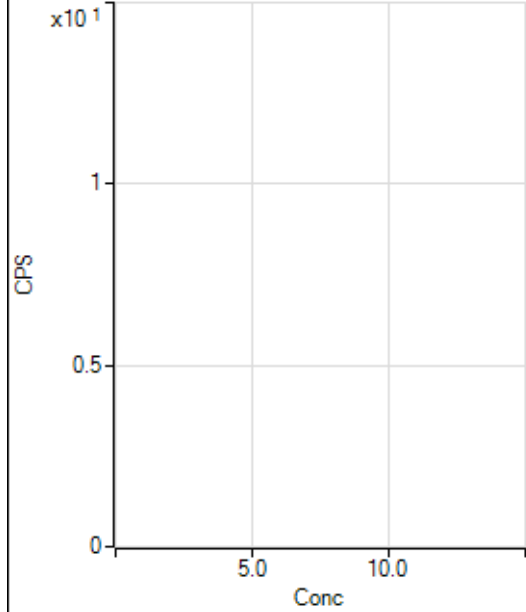
$$R = 0.9998$$

$$DL = 1.398$$

$$BEC = 0.2195$$

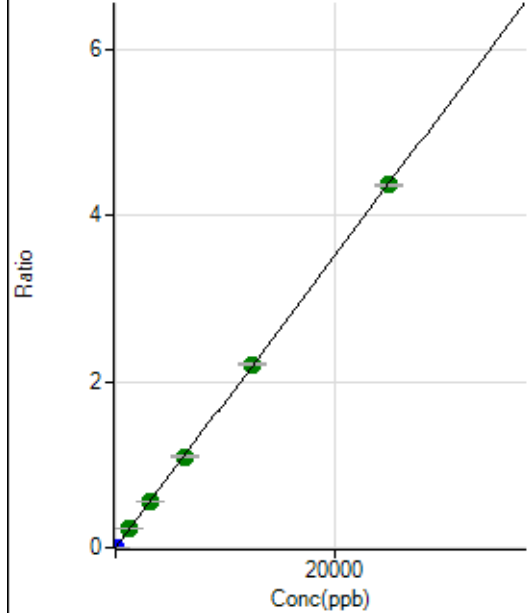
Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			886.70		P	6.2
2	☐			981.16		P	4.4
3	☐			910.04		P	6.5
4	☐			972.26		P	7.5
5	☐			887.81		P	4.4
6	☐			851.15		P	5.7
7	☐			805.59		P	8.2
8	☐			795.59		P	7.8
9	☐			842.26		P	8.5

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1652.92	0.0001	P	8.7
2	☐	0.100	0.035	1791.82	0.0001	P	3.3
3	☐	1.000	0.977	4884.25	0.0003	P	3.5
4	☐	1250.000	1271.513	4185597.27	0.2231	A	0.7
5	☐	3125.000	3168.618	10272092.59	0.5559	A	0.4
6	☐	6250.000	6229.213	19690912.07	1.0928	A	1.7
7	☐	12500.000	12620.432	37807492.86	2.2139	A	1.2
8	☐	25000.000	24938.453	73005878.02	4.3746	A	0.3
9	☐			227301.65	0.0141	P	1.1

$$y = 1.7541\text{E-}004 * x + 8.8199\text{E-}005$$

$$R = 1.0000$$

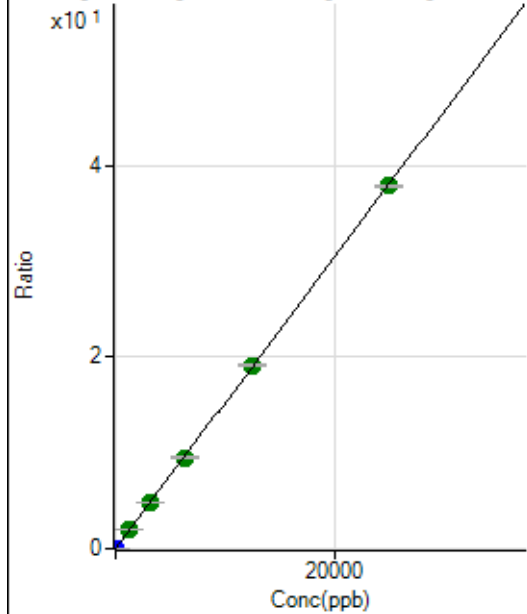
$$DL = 0.1305$$

$$BEC = 0.5028$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	763.93	0.0000	P	14.8
2	☐	0.100	0.098	3600.55	0.0002	P	5.2
3	☐	1.000	0.976	28689.86	0.0015	P	3.1
4	☐	1250.000	1261.440	35976246.29	1.9177	A	0.7
5	☐	3125.000	3170.767	89074154.77	4.8204	A	1.1
6	☐	6250.000	6245.549	171091407.9	9.4948	A	1.7
7	☐	12500.000	12620.154	327655385.1	19.1858	A	1.0
8	☐	25000.000	24934.743	632607408.5	37.9071	A	0.6
9	☐			1990222.09	0.1233	A	1.0

$$y = 0.0015 * x + 4.0744\text{E-}005$$

$$R = 1.0000$$

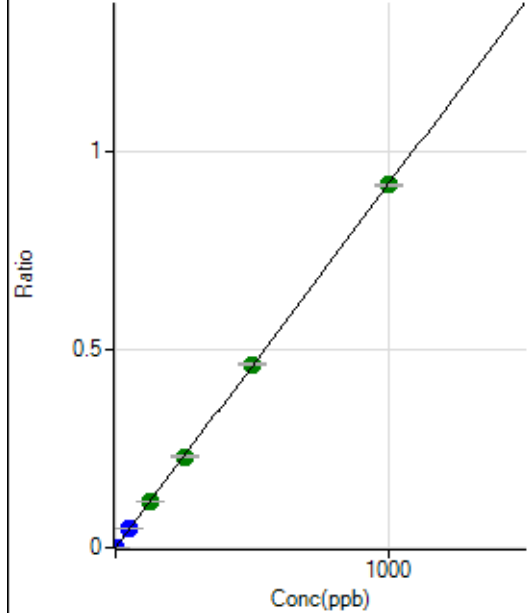
$$DL = 0.01187$$

$$BEC = 0.0268$$

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	1027.84	0.0001	P	10.2
2	☐	0.100	0.095	2705.87	0.0001	P	0.6
3	☐	1.000	0.961	17630.48	0.0009	P	0.5
4	☐	50.000	50.813	875889.65	0.0467	P	1.2
5	☐	125.000	127.352	2160854.76	0.1169	A	0.1
6	☐	250.000	249.815	4132813.59	0.2293	A	1.3
7	☐	500.000	503.709	7896819.97	0.4624	A	0.7
8	☐	1000.000	997.857	15284886.28	0.9159	A	0.2
9	☐			52856.91	0.0033	P	1.8

$$y = 9.1782\text{E-}004 * x + 5.4855\text{E-}005$$

$$R = 1.0000$$

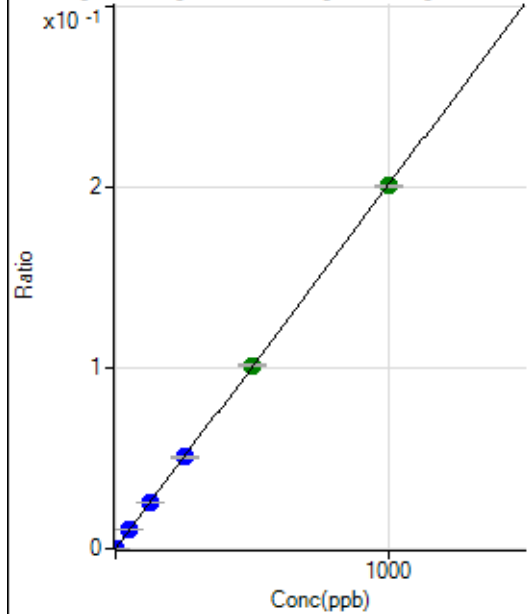
$$DL = 0.01831$$

$$BEC = 0.05977$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	208.34	0.0000	P	10.0
2	☐	0.100	0.094	569.47	0.0000	P	16.0
3	☐	1.000	0.972	3897.83	0.0002	P	3.2
4	☐	50.000	50.870	192573.94	0.0103	P	1.0
5	☐	125.000	127.987	476943.43	0.0258	P	0.2
6	☐	250.000	251.183	912575.23	0.0506	P	1.5
7	☐	500.000	504.502	1737075.43	0.1017	A	0.3
8	☐	1000.000	997.036	3354211.41	0.2010	A	0.4
9	☐			11724.39	0.0007	P	1.4

$$y = 2.0158\text{E-}004 * x + 1.1119\text{E-}005$$

$$R = 1.0000$$

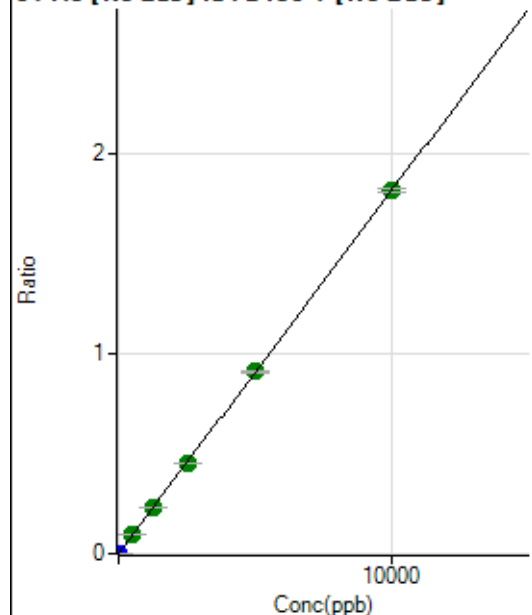
$$DL = 0.01647$$

$$BEC = 0.05516$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	391.68	0.0000	P	10.6
2	☐	0.500	0.536	2241.91	0.0001	P	5.5
3	☐	5.000	5.895	20500.95	0.0011	P	1.4
4	☐	500.000	513.865	1747686.26	0.0932	A	0.6
5	☐	1250.000	1266.349	4241780.35	0.2296	A	0.2
6	☐	2500.000	2479.830	8100276.83	0.4495	A	0.7
7	☐	5000.000	5014.454	15523666.84	0.9089	A	0.5
8	☐	10000.000	9995.078	30233538.52	1.8117	A	0.9
9	☐			95380.16	0.0059	P	0.3

$$y = 1.8126E-004 * x + 2.0925E-005$$

$$R = 1.0000$$

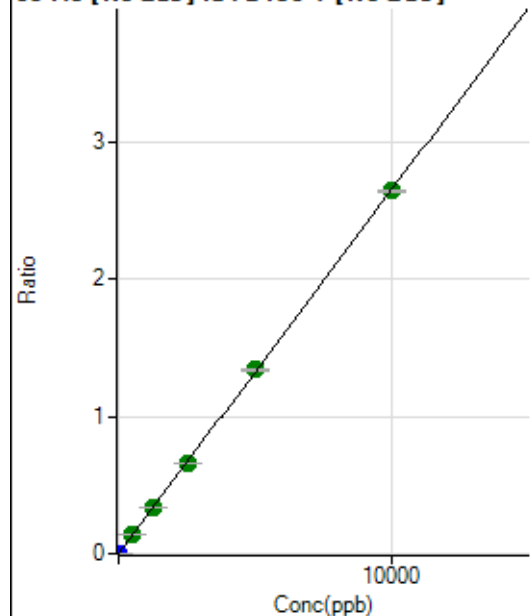
$$DL = 0.03656$$

$$BEC = 0.1154$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	130.56	0.0000	P	20.3
2	☐	0.500	0.463	2461.37	0.0001	P	5.9
3	☐	5.000	5.056	25333.53	0.0013	P	0.8
4	☐	500.000	515.604	2562156.05	0.1366	A	1.8
5	☐	1250.000	1274.615	6239007.17	0.3376	A	0.7
6	☐	2500.000	2478.664	11832331.43	0.6566	A	0.1
7	☐	5000.000	5050.897	22850482.80	1.3379	A	0.3
8	☐	10000.000	9976.028	44099137.10	2.6426	A	0.9
9	☐			132627.90	0.0082	P	0.4

$$y = 2.6489E-004 * x + 6.9790E-006$$

$$R = 1.0000$$

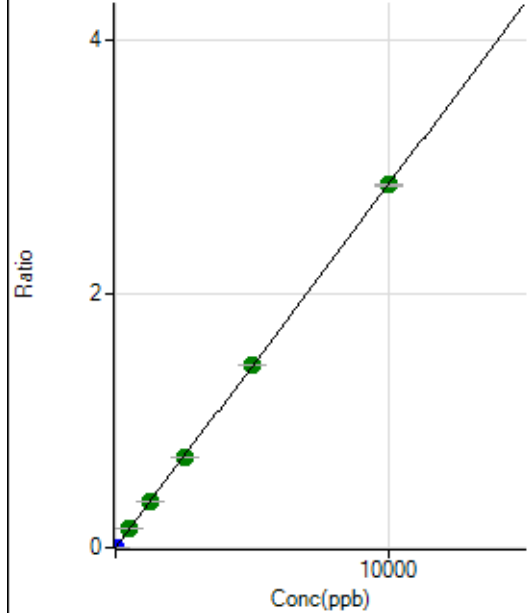
$$DL = 0.01607$$

$$BEC = 0.02635$$

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	241.68	0.0000	P	14.7
2	☐	0.500	0.506	2992.05	0.0002	P	5.9
3	☐	5.000	5.151	27949.47	0.0015	P	1.2
4	☐	500.000	509.900	2734162.58	0.1458	A	1.8
5	☐	1250.000	1266.435	6688818.51	0.3620	A	0.6
6	☐	2500.000	2479.263	12770472.24	0.7086	A	0.4
7	☐	5000.000	5023.068	24520208.19	1.4357	A	0.2
8	☐	10000.000	9991.101	47657061.48	2.8557	A	0.2
9	☐			150222.53	0.0093	P	0.5

$$y = 2.8582E-004 * x + 1.2899E-005$$

$$R = 1.0000$$

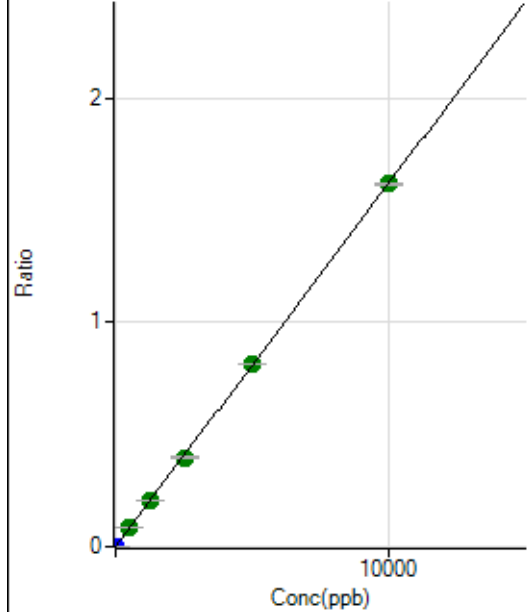
$$DL = 0.01996$$

$$BEC = 0.04513$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	66.67	0.0000	P	25.2
2	☐	0.500	0.470	1511.23	0.0001	P	9.8
3	☐	5.000	5.056	15461.25	0.0008	P	1.9
4	☐	500.000	509.282	1545961.54	0.0824	A	0.6
5	☐	1250.000	1273.210	3807019.96	0.2060	A	0.2
6	☐	2500.000	2460.475	7174623.60	0.3981	A	0.9
7	☐	5000.000	5026.727	13891722.53	0.8134	A	0.4
8	☐	10000.000	9993.152	26986005.81	1.6170	A	0.2
9	☐			82310.01	0.0051	P	0.9

$$y = 1.6181E-004 * x + 3.5601E-006$$

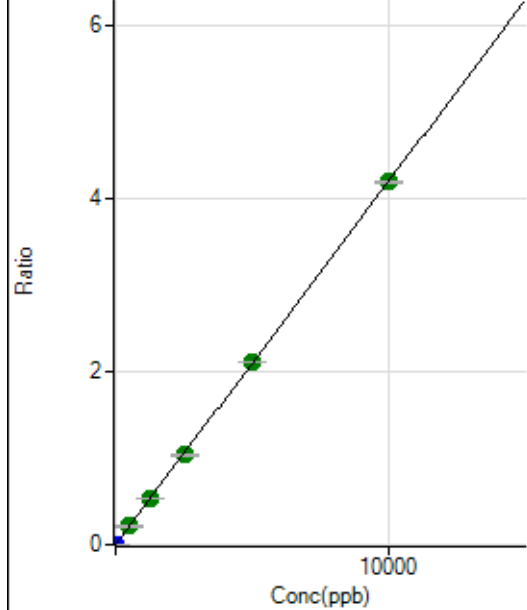
$$R = 1.0000$$

$$DL = 0.01665$$

$$BEC = 0.022$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	250.01	0.0000	P	33.5
2	☐	0.500	0.444	3795.04	0.0002	P	4.8
3	☐	5.000	5.031	39935.64	0.0021	P	2.3
4	☐	500.000	507.475	3990595.23	0.2127	A	1.9
5	☐	1250.000	1270.286	9839595.44	0.5325	A	0.9
6	☐	2500.000	2473.961	18686672.64	1.0370	A	1.4
7	☐	5000.000	5024.759	35971638.65	2.1063	A	0.5
8	☐	10000.000	9991.221	69893696.70	4.1881	A	0.6
9	☐			211625.14	0.0131	P	1.3

$$y = 4.1918\text{E-}004 * x + 1.3371\text{E-}005$$

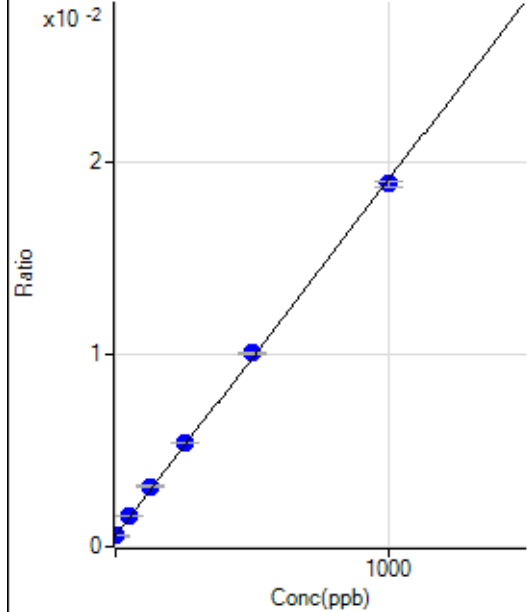
$$R = 1.0000$$

$$DL = 0.03207$$

$$BEC = 0.0319$$

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	7843.97	0.0006	P	3.8
2	☐	0.100	0.717	8163.60	0.0006	P	1.8
3	☐	1.000	1.664	8316.49	0.0006	P	1.4
4	☐	50.000	57.600	23085.55	0.0016	P	1.6
5	☐	125.000	138.821	44357.61	0.0031	P	1.3
6	☐	250.000	261.914	75965.63	0.0054	P	1.1
7	☐	500.000	513.262	137495.41	0.0100	P	0.9
8	☐	1000.000	988.282	256812.57	0.0188	P	1.3
9	☐			7554.95	0.0006	P	3.4

$$y = 1.8495\text{E-}005 * x + 5.5721\text{E-}004$$

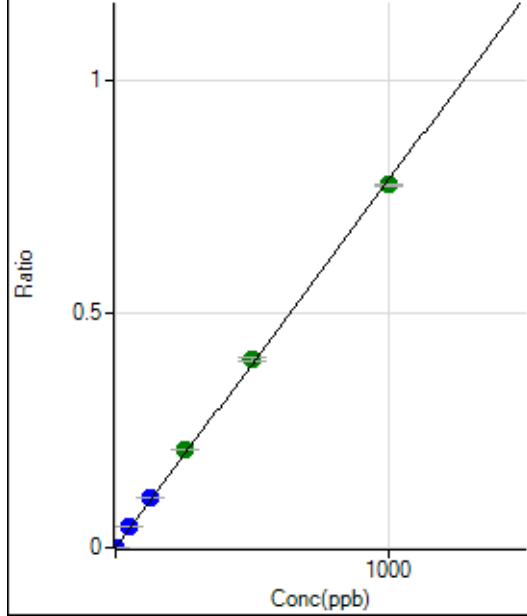
$$R = 0.9997$$

$$DL = 3.394$$

$$BEC = 30.13$$

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	102.78	0.0000	P	19.1
2	☒	0.100					
3	☐	1.000	0.839	9425.58	0.0007	P	15.3
4	☐	50.000	55.407	619985.74	0.0436	P	0.7
5	☐	125.000	137.736	1537471.31	0.1083	P	0.4
6	☐	250.000	267.475	2958049.15	0.2103	A	0.2
7	☐	500.000	512.770	5515377.81	0.4032	A	2.1
8	☐	1000.000	987.384	10585075.76	0.7764	A	0.5
9	☐			33673.12	0.0026	P	2.8

$$y = 7.8626E-004 * x + 7.3049E-006$$

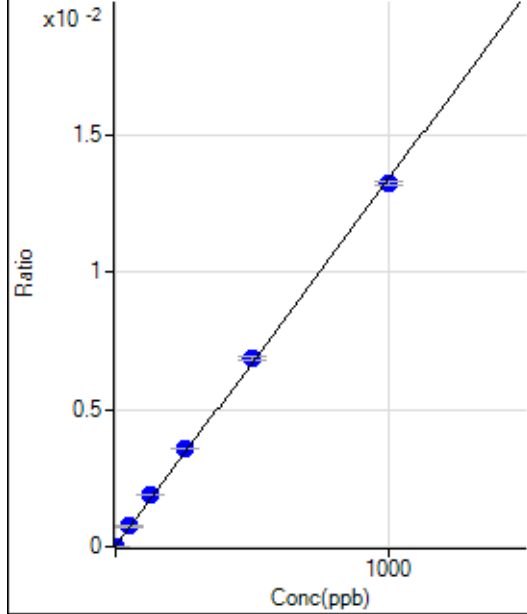
$$R = 0.9997$$

$$DL = 0.005312$$

$$BEC = 0.009291$$

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	77.78	0.0000	P	8.7
2	☐	0.100	0.146	106.95	0.0000	P	27.2
3	☐	1.000	1.049	276.40	0.0000	P	11.5
4	☐	50.000	55.143	10562.30	0.0007	P	2.7
5	☐	125.000	140.508	26735.84	0.0019	P	1.4
6	☐	250.000	266.546	50175.40	0.0036	P	1.8
7	☐	500.000	513.566	93962.58	0.0069	P	1.6
8	☐	1000.000	986.885	179891.38	0.0132	P	0.9
9	☐			593.08	0.0000	P	10.2

$$y = 1.3364E-005 * x + 5.5272E-006$$

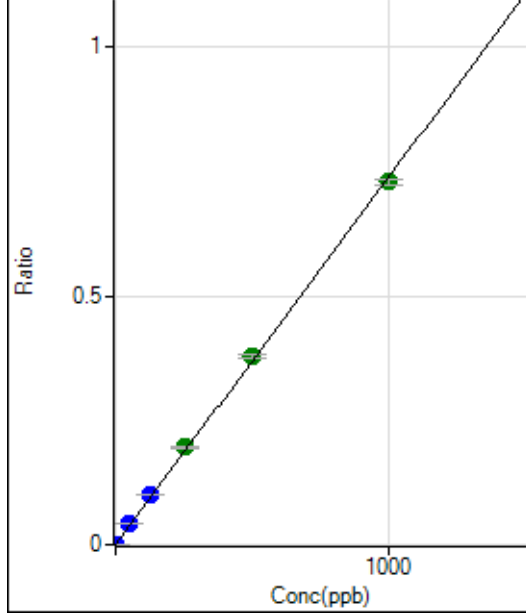
$$R = 0.9996$$

$$DL = 0.1074$$

$$BEC = 0.4136$$

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	33.33	0.0000	P	43.6
2	☐	0.100	0.062	686.15	0.0000	P	8.5
3	☐	1.000	0.871	9122.59	0.0006	P	12.6
4	☐	50.000	55.731	584994.10	0.0411	P	1.3
5	☐	125.000	137.643	1441363.64	0.1015	P	1.4
6	☐	250.000	264.973	2748909.83	0.1955	A	1.4
7	☐	500.000	512.697	5173641.31	0.3782	A	1.3
8	☐	1000.000	988.041	9936896.75	0.7288	A	1.5
9	☐			31033.94	0.0024	P	2.3

$$y = 7.3761\text{E-}004 * x + 2.3703\text{E-}006$$

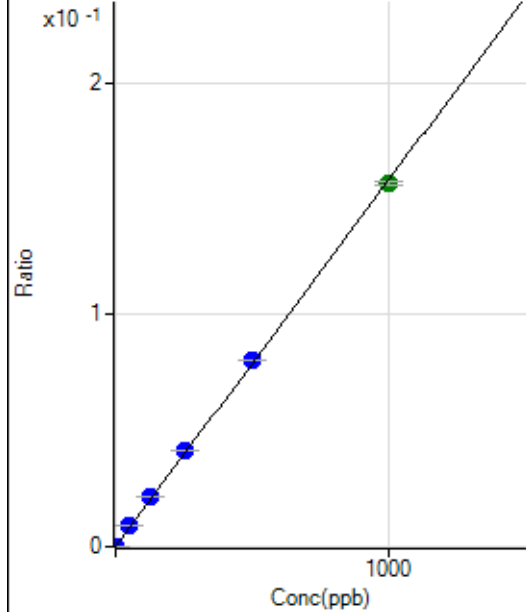
$$R = 0.9997$$

$$DL = 0.004208$$

$$BEC = 0.003213$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	741.07	0.0001	P	4.9
2	☐	0.100	0.107	995.67	0.0001	P	4.1
3	☐	1.000	1.188	3395.41	0.0002	P	5.5
4	☐	50.000	55.467	125284.45	0.0088	P	0.3
5	☐	125.000	136.817	307208.09	0.0216	P	1.6
6	☐	250.000	262.561	583465.13	0.0415	P	0.7
7	☐	500.000	509.641	1100940.27	0.0805	P	0.6
8	☐	1000.000	990.288	2131272.90	0.1563	A	1.2
9	☐			6887.73	0.0005	P	4.1

$$y = 1.5779\text{E-}004 * x + 5.2642\text{E-}005$$

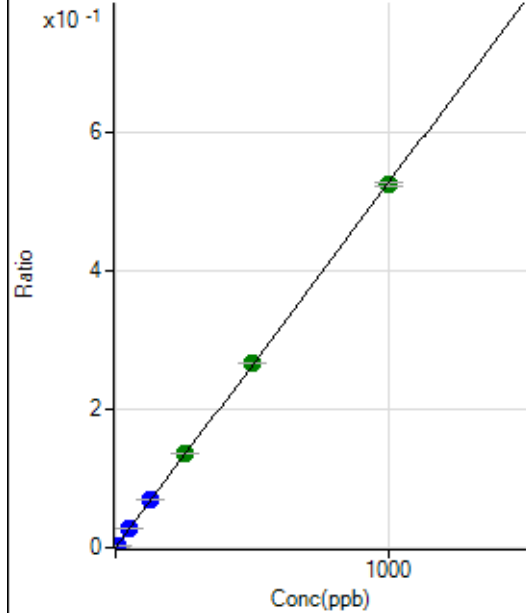
$$R = 0.9998$$

$$DL = 0.04882$$

$$BEC = 0.3336$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4109.06	0.0003	P	3.3
2	☐	0.500	0.569	8455.52	0.0006	P	4.9
3	☐	5.000	5.342	43831.16	0.0031	P	1.4
4	☐	50.000	52.876	399525.43	0.0281	P	0.7
5	☐	125.000	132.497	992510.99	0.0699	P	1.3
6	☐	250.000	255.925	1895689.15	0.1348	A	0.1
7	☐	500.000	505.633	3639263.32	0.2660	A	0.6
8	☐	1000.000	994.619	7130427.59	0.5230	A	1.0
9	☐			28356.37	0.0022	P	0.5

$$y = 5.2550E-004 * x + 2.9190E-004$$

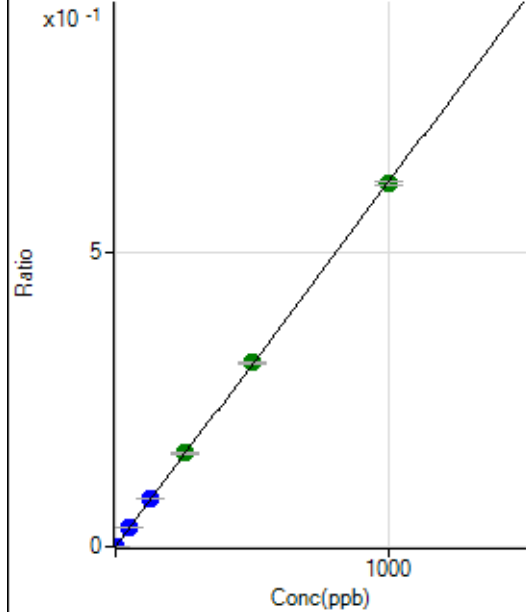
$$R = 0.9999$$

$$DL = 0.05511$$

$$BEC = 0.5555$$

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	108.34	0.0000	P	8.1
2	☐	0.200	0.170	1616.80	0.0001	P	10.9
3	☐	2.000	2.036	17922.66	0.0013	P	2.2
4	☐	50.000	52.215	459679.17	0.0323	P	0.7
5	☐	125.000	130.824	1148856.25	0.0809	P	0.6
6	☐	250.000	257.398	2239490.30	0.1592	A	1.4
7	☐	500.000	504.388	4268284.95	0.3120	A	1.1
8	☐	1000.000	995.118	8392374.06	0.6155	A	1.2
9	☐			32103.07	0.0025	P	2.4

$$y = 6.1855E-004 * x + 7.6988E-006$$

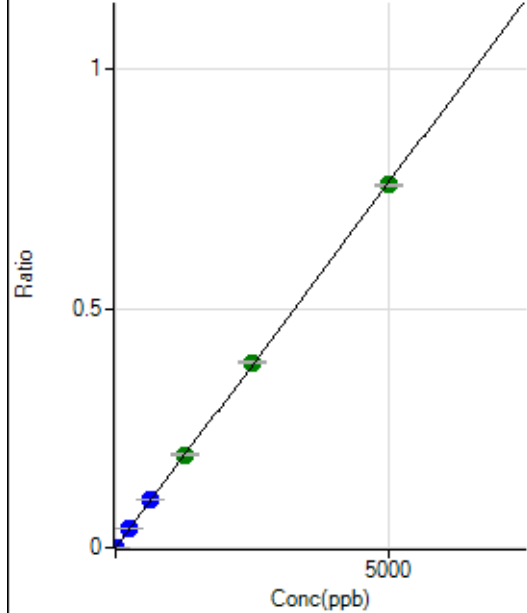
$$R = 0.9999$$

$$DL = 0.003043$$

$$BEC = 0.01245$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.00	0.0000	P	58.0
2	☐	1.000	0.940	2077.98	0.0001	P	2.5
3	☐	10.000	10.055	21731.03	0.0015	P	2.8
4	☐	250.000	256.917	557989.99	0.0392	P	0.6
5	☐	625.000	648.647	1405449.02	0.0990	P	0.6
6	☐	1250.000	1274.689	2736337.28	0.1946	A	1.3
7	☐	2500.000	2537.897	5299260.84	0.3874	A	1.1
8	☐	5000.000	4971.578	10345962.04	0.7588	A	0.6
9	☐			34523.14	0.0026	P	1.4

$$y = 1.5263\text{E-}004 * x + 1.7793\text{E-}006$$

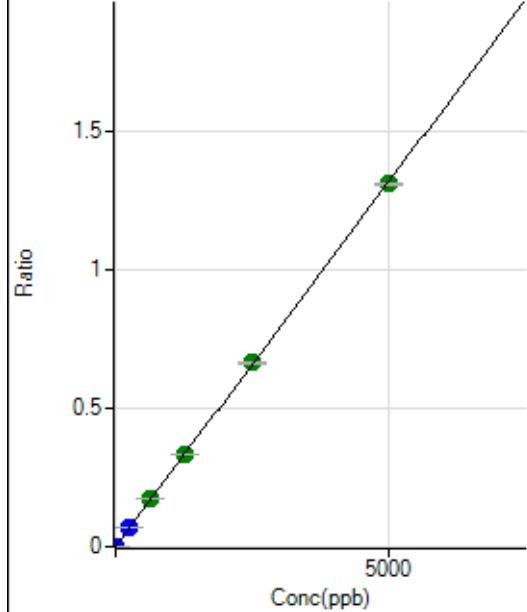
$$R = 0.9999$$

$$DL = 0.02027$$

$$BEC = 0.01166$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.34	0.0000	P	14.4
2	☐	1.000	0.981	3764.50	0.0003	P	2.7
3	☐	10.000	10.051	37564.06	0.0027	P	0.1
4	☐	250.000	260.554	978072.41	0.0687	P	1.6
5	☐	625.000	659.054	2468468.48	0.1739	A	0.9
6	☐	1250.000	1274.428	4728973.63	0.3362	A	0.5
7	☐	2500.000	2526.414	9118493.17	0.6665	A	1.1
8	☐	5000.000	4975.901	17898608.56	1.3128	A	0.3
9	☐			59341.39	0.0045	P	1.6

$$y = 2.6382\text{E-}004 * x + 4.1449\text{E-}006$$

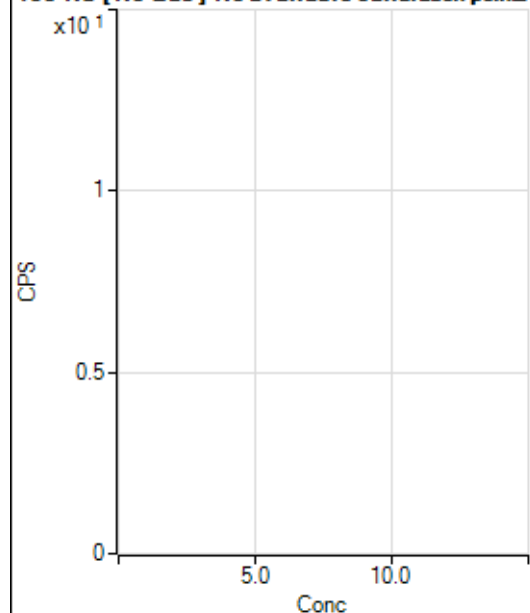
$$R = 0.9999$$

$$DL = 0.006788$$

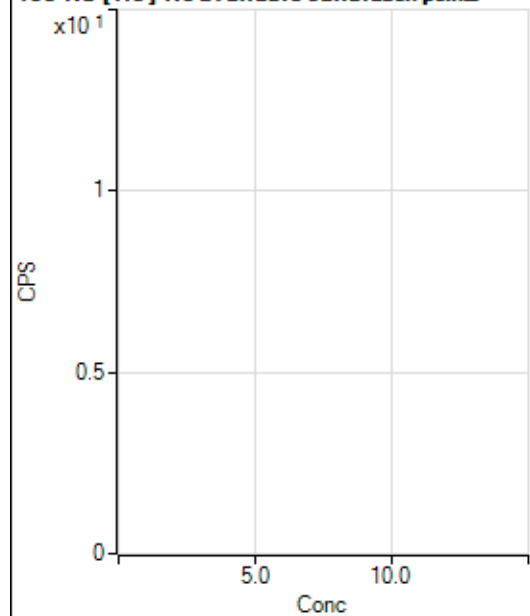
$$BEC = 0.01571$$

Weight: <None>

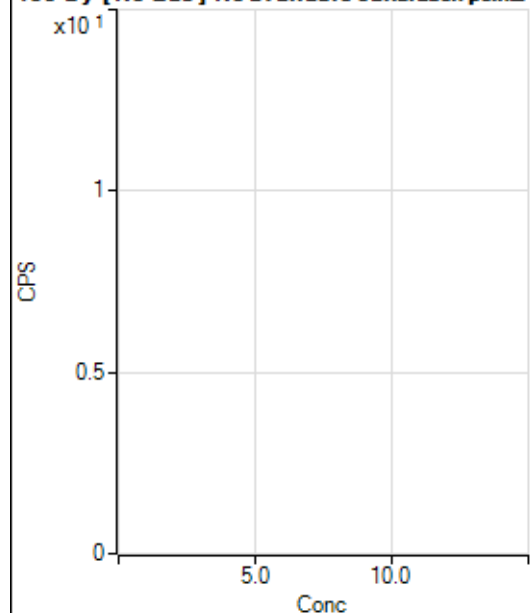
Min Conc: 0

150 Nd [No Gas] No available calibration points

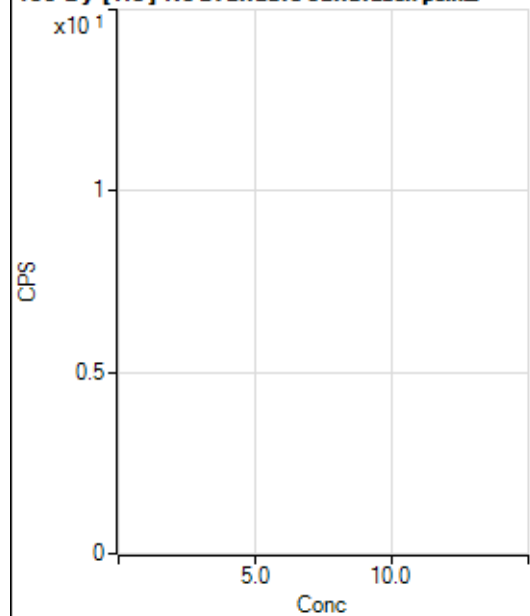
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	100.
2	☐			13.33		P	50.0
3	☐			11.11		P	34.6
4	☐			66.67		P	36.1
5	☐			104.45		P	14.7
6	☐			277.79		P	14.5
7	☐			384.46		P	7.0
8	☐			875.60		P	5.0
9	☐			95.56		P	26.4

150 Nd [He] No available calibration points

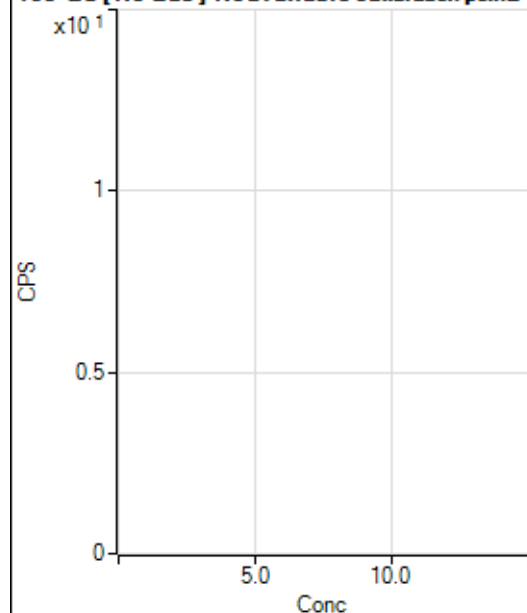
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	86.6
2	☐			2.22		P	86.6
3	☐			3.33		P	100.
4	☐			16.67		P	34.6
5	☐			25.55		P	52.7
6	☐			48.89		P	14.2
7	☐			76.67		P	17.4
8	☐			178.89		P	5.4
9	☐			38.89		P	32.4

156 Dy [No Gas] No available calibration points

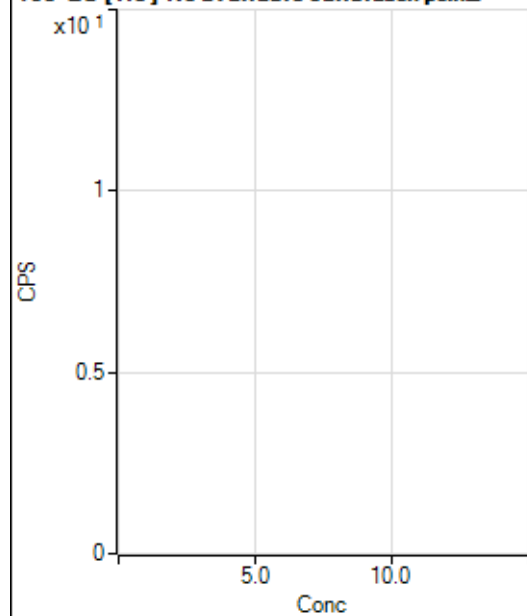
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.78		P	173.
2	☐			13.89		P	69.3
3	☐			16.66		P	86.6
4	☐			22.22		P	108.
5	☐			77.78		P	37.6
6	☐			102.78		P	16.9
7	☐			205.56		P	9.4
8	☐			430.57		P	24.2
9	☐			1191.76		P	4.3

156 Dy [He] No available calibration points

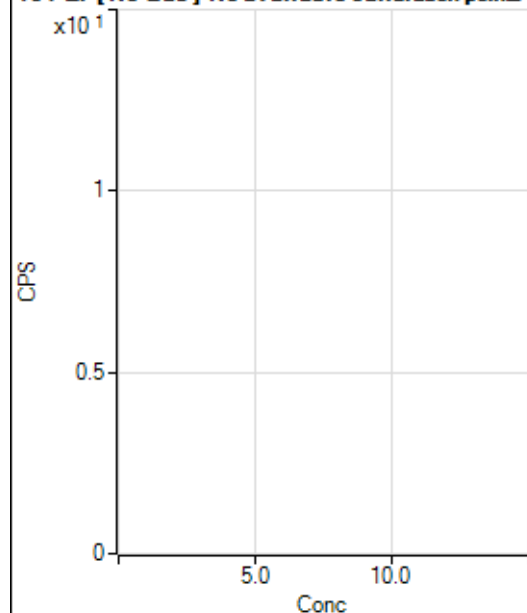
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	114.
2	☐			5.56		P	34.7
3	☐			4.44		P	114.
4	☐			25.55		P	52.7
5	☐			78.89		P	2.4
6	☐			134.45		P	6.2
7	☐			261.12		P	13.1
8	☐			547.80		P	8.4
9	☐			720.03		P	1.2

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

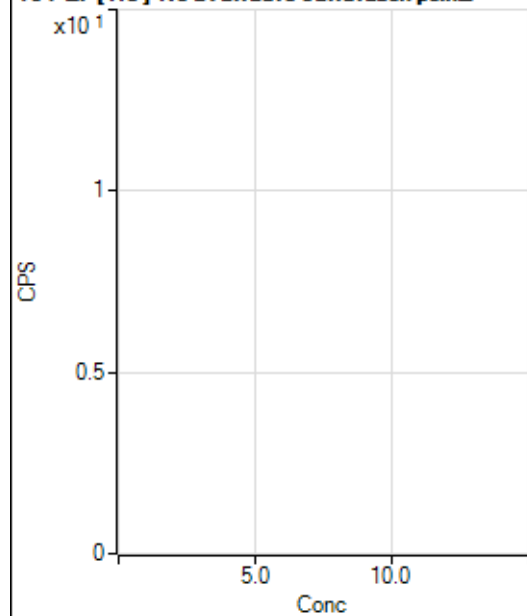
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			83.34		P	36.1
2	☐			113.89		P	49.8
3	☐			97.23		P	24.7
4	☐			102.78		P	33.8
5	☐			122.23		P	61.1
6	☐			144.45		P	12.0
7	☐			188.90		P	28.7
8	☐			208.34		P	25.0
9	☐			761.15		P	1.3

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			372.23		P	6.7
2	☐			372.23		P	6.4
3	☐			363.34		P	5.6
4	☐			385.56		P	3.5
5	☐			375.56		P	3.6
6	☐			398.90		P	8.7
7	☐			370.01		P	5.4
8	☐			436.68		P	10.1
9	☐			891.15		P	6.6

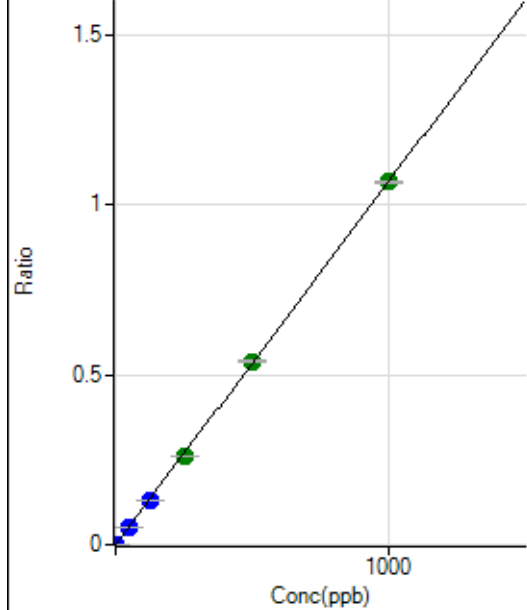
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			80.56		P	11.9
2	☐			83.33		P	17.3
3	☐			86.11		P	56.7
4	☐			133.34		P	21.7
5	☐			111.11		P	8.7
6	☐			108.33		P	40.7
7	☐			127.78		P	10.0
8	☐			186.12		P	18.1
9	☐			150.01		P	14.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			60.00		P	38.9
2	☐			64.44		P	13.0
3	☐			60.00		P	14.7
4	☐			57.78		P	3.3
5	☐			43.33		P	13.3
6	☐			81.11		P	28.0
7	☐			65.55		P	20.5
8	☐			97.78		P	25.8
9	☐			113.34		P	5.1

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	366.68	0.0000	P	3.3
2	☐	0.100	0.089	1200.08	0.0001	P	13.4
3	☐	1.000	0.924	9069.91	0.0010	P	3.5
4	☐	50.000	47.504	451988.13	0.0507	P	0.9
5	☐	125.000	119.870	1141608.85	0.1280	P	1.1
6	☐	250.000	244.238	2344038.33	0.2607	A	0.1
7	☐	500.000	504.726	4645406.83	0.5388	A	1.3
8	☐	1000.000	999.844	9145935.10	1.0672	A	0.5
9	☐			27202.67	0.0036	P	1.0

$$y = 0.0011 * x + 4.1554E-005$$

$$R = 1.0000$$

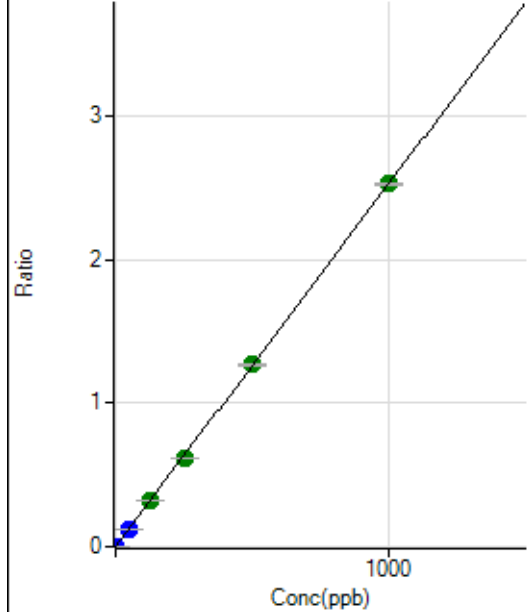
$$DL = 0.003912$$

$$BEC = 0.03893$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	950.06	0.0001	P	3.1
2	☐	0.100	0.087	2883.73	0.0003	P	2.7
3	☐	1.000	0.911	21233.72	0.0024	P	0.7
4	☐	50.000	47.796	1075665.32	0.1208	P	1.6
5	☐	125.000	125.710	2831924.91	0.3175	A	0.9
6	☐	250.000	245.019	5562260.41	0.6187	A	0.5
7	☐	500.000	501.330	10914836.96	1.2658	A	1.0
8	☐	1000.000	1000.602	21649226.35	2.5264	A	0.5
9	☐			64771.01	0.0086	P	1.3

$$y = 0.0025 * x + 1.0768E-004$$

$$R = 1.0000$$

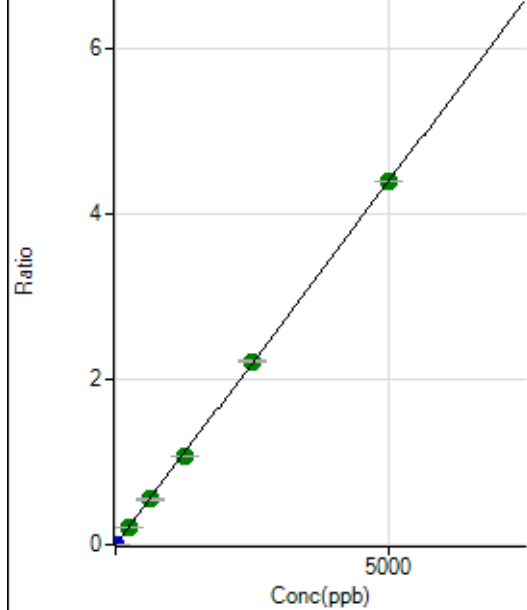
$$DL = 0.003943$$

$$BEC = 0.04265$$

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	401.87	0.0000	P	14.0
2	☐	0.100	0.094	1127.84	0.0001	P	5.2
3	☐	1.000	0.902	7394.70	0.0008	P	2.2
4	☐	250.000	249.034	1949060.88	0.2188	A	1.3
5	☐	625.000	622.621	4879543.92	0.5471	A	1.4
6	☐	1250.000	1225.270	9677993.39	1.0765	A	0.8
7	☐	2500.000	2522.810	19112169.64	2.2165	A	1.4
8	☐	5000.000	4995.123	37608957.32	4.3887	A	0.1
9	☐			104106.49	0.0138	P	0.9

$$y = 8.7858E-004 * x + 4.5589E-005$$

$$R = 1.0000$$

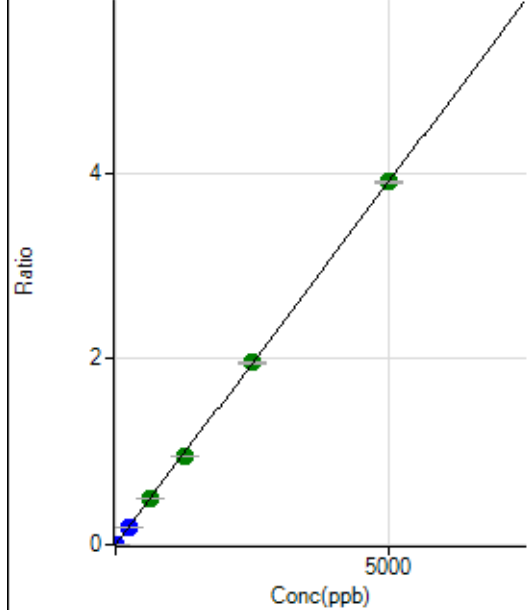
$$DL = 0.02186$$

$$BEC = 0.05189$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	370.38	0.0000	P	8.9
2	☐	0.100	0.098	1044.50	0.0001	P	13.7
3	☐	1.000	0.921	6716.61	0.0008	P	2.0
4	☐	250.000	232.420	1617429.77	0.1816	P	0.8
5	☐	625.000	624.169	4349653.54	0.4876	A	0.2
6	☐	1250.000	1223.925	8595780.46	0.9561	A	0.5
7	☐	2500.000	2512.595	16925154.55	1.9628	A	0.9
8	☐	5000.000	5001.204	33480171.35	3.9069	A	0.8
9	☐			91488.91	0.0121	P	1.4

$$y = 7.8118E-004 * x + 4.1996E-005$$

$$R = 1.0000$$

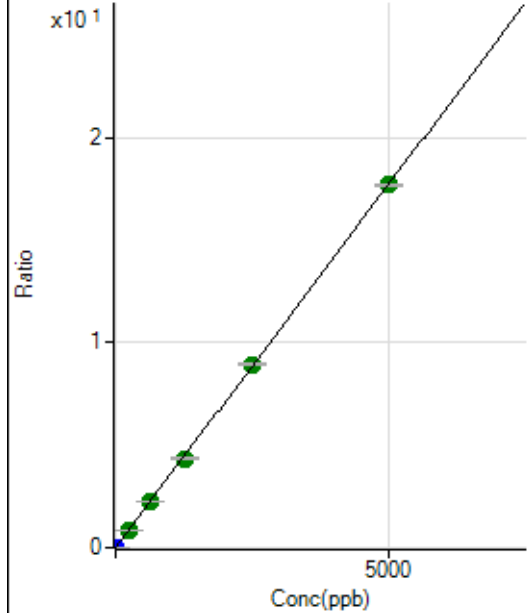
$$DL = 0.01443$$

$$BEC = 0.05376$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1620.44	0.0002	P	5.7
2	☐	0.100	0.093	4524.45	0.0005	P	2.6
3	☐	1.000	0.918	30304.52	0.0034	P	0.3
4	☐	250.000	244.862	7726426.04	0.8675	A	0.5
5	☐	625.000	625.895	19776349.08	2.2171	A	0.6
6	☐	1250.000	1229.653	39157302.09	4.3557	A	0.6
7	☐	2500.000	2520.064	76968744.55	8.9264	A	0.9
8	☐	5000.000	4995.200	151626135.1	17.6934	A	0.5
9	☐			416003.17	0.0550	P	0.8

$$y = 0.0035 * x + 1.8372E-004$$

$$R = 1.0000$$

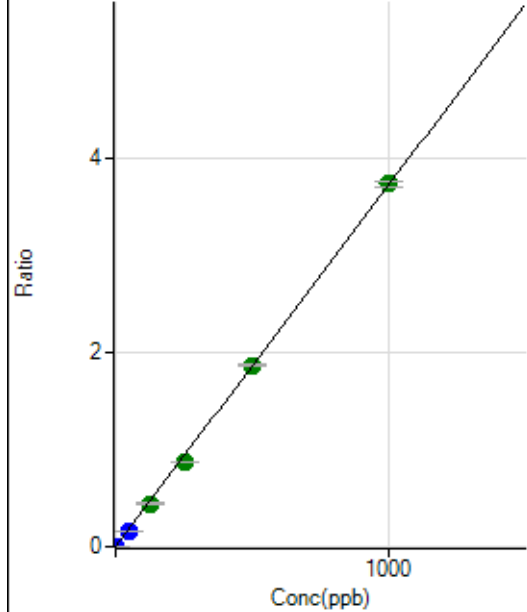
$$DL = 0.008926$$

$$BEC = 0.05187$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	116.67	0.0000	P	32.0
2	☐	0.100	0.079	2708.70	0.0003	P	5.9
3	☐	1.000	0.855	28241.49	0.0032	P	1.9
4	☐	50.000	43.555	1445711.40	0.1623	P	0.8
5	☐	125.000	119.626	3976285.12	0.4458	A	1.6
6	☐	250.000	235.081	7875582.47	0.8760	A	0.3
7	☐	500.000	502.360	16142528.83	1.8720	A	0.4
8	☐	1000.000	1003.544	32048850.72	3.7396	A	1.6
9	☐			83388.70	0.0110	P	1.4

$$y = 0.0037 * x + 1.3244E-005$$

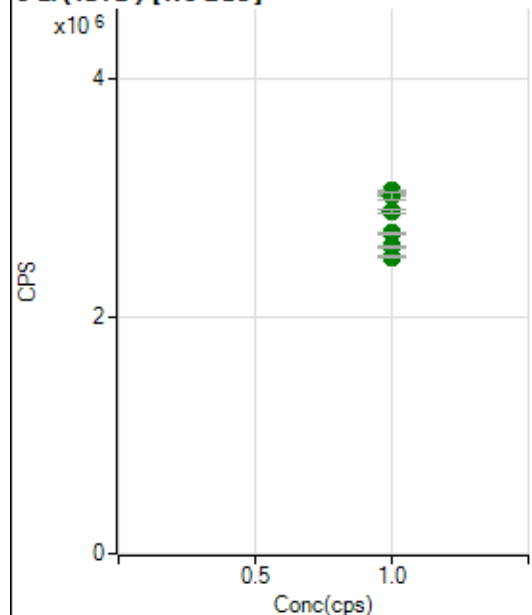
$$R = 0.9999$$

$$DL = 0.003415$$

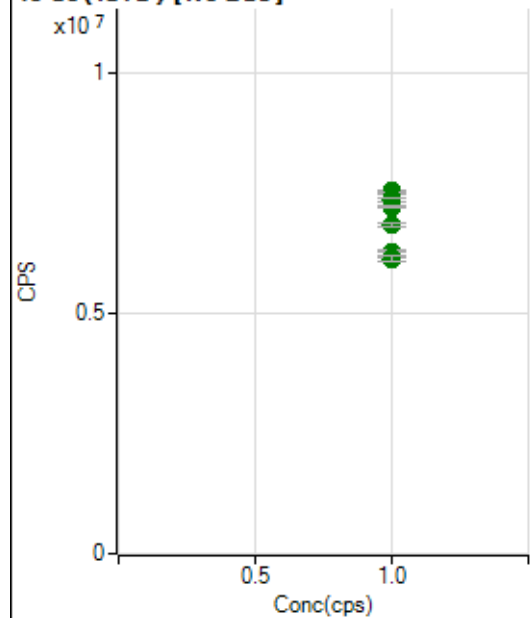
$$BEC = 0.003554$$

Weight: <None>

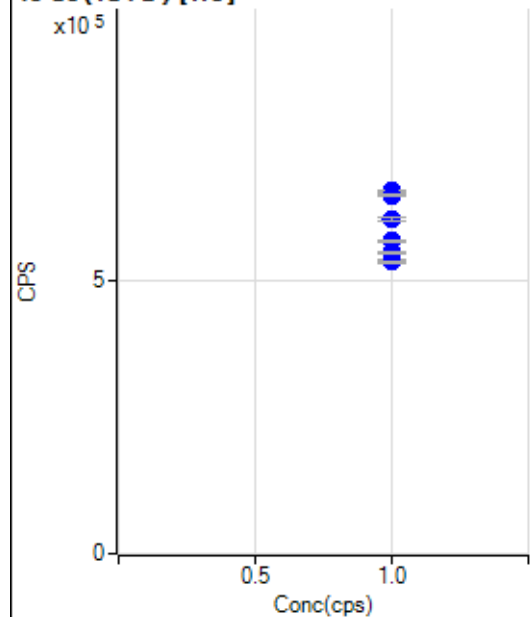
Min Conc: 0

6 Li (ISTD) [No Gas]

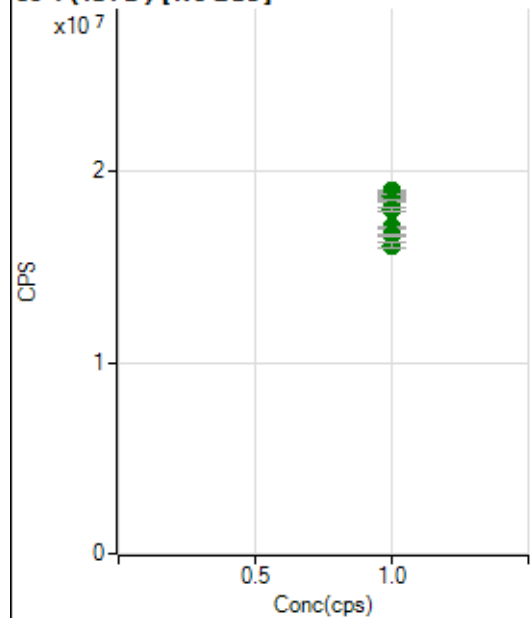
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3048022.28		A	0.8
2	☐	1.000		3038404.64		A	1.4
3	☐	1.000		3055789.92		A	0.2
4	☐	1.000		3042675.93		A	1.2
5	☐	1.000		3011508.95		A	1.9
6	☐	1.000		2885255.17		A	1.3
7	☐	1.000		2699295.83		A	0.5
8	☐	1.000		2586209.55		A	0.3
9	☐	1.000		2500586.87		A	0.7

45 Sc (ISTD) [No Gas]

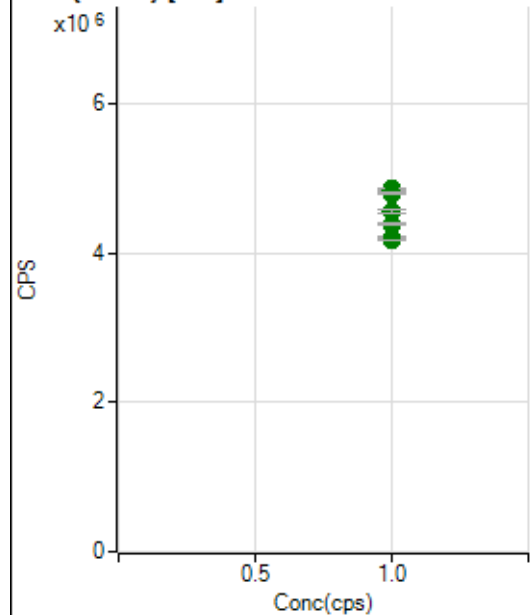
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7376969.47		A	0.9
2	☐	1.000		7548935.23		A	0.5
3	☐	1.000		7504151.14		A	0.5
4	☐	1.000		7412826.70		A	0.1
5	☐	1.000		7209231.21		A	0.7
6	☐	1.000		6838271.42		A	1.2
7	☐	1.000		6298055.05		A	0.3
8	☐	1.000		6159194.98		A	0.4
9	☐	1.000		6134871.37		A	1.7

45 Sc (ISTD) [He]

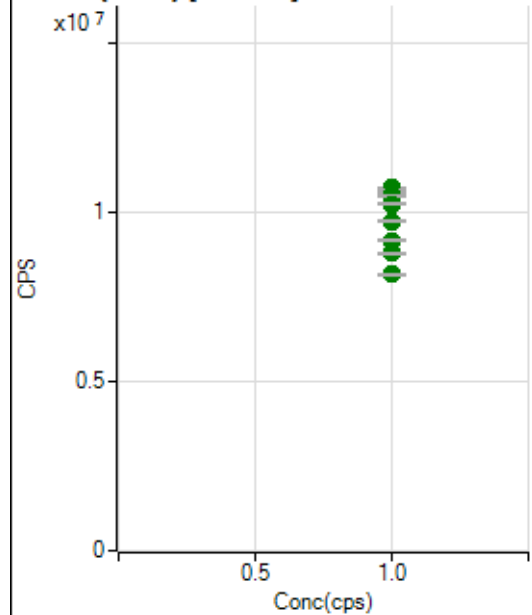
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		661060.02		P	0.5
2	☐	1.000		664243.85		P	0.3
3	☐	1.000		664075.43		P	0.3
4	☐	1.000		655662.33		P	0.7
5	☐	1.000		614186.93		P	1.2
6	☐	1.000		573323.31		P	0.7
7	☐	1.000		535834.10		P	0.6
8	☐	1.000		534599.96		P	0.8
9	☐	1.000		551482.55		P	0.2

89 Y (ISTD) [No Gas]

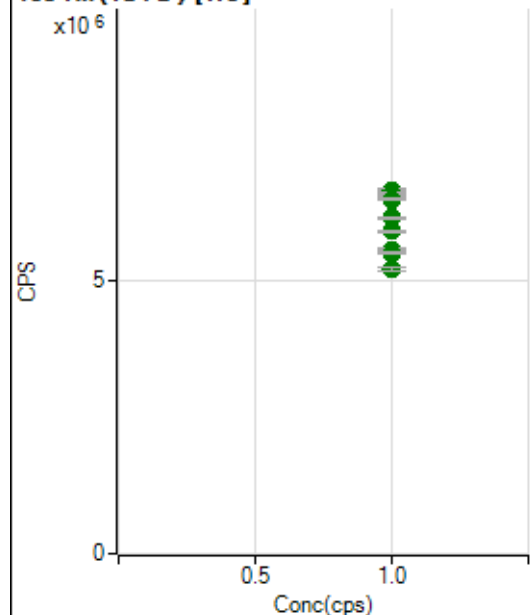
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		18730101.25		A	1.1
2	☐	1.000		19002366.38		A	0.9
3	☐	1.000		18818707.78		A	1.0
4	☐	1.000		18759384.86		A	0.9
5	☐	1.000		18478170.00		A	0.3
6	☐	1.000		18020985.98		A	1.1
7	☐	1.000		17078583.49		A	0.7
8	☐	1.000		16688291.83		A	0.8
9	☐	1.000		16141066.57		A	1.9

89 Y(ISTD) [He]

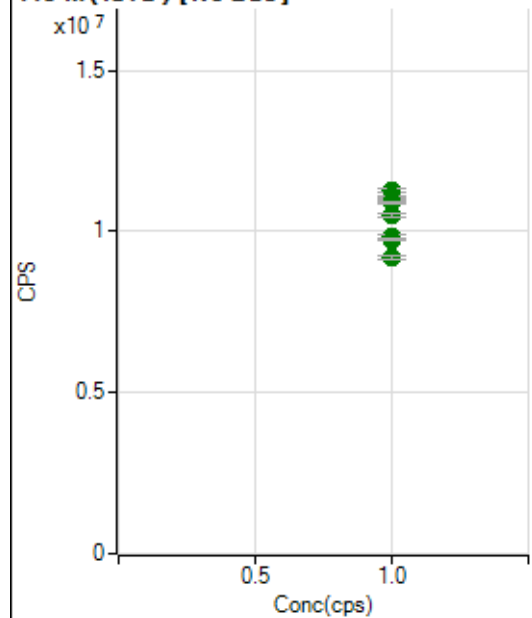
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4849573.23		A	0.8
2	☐	1.000		4867375.00		A	0.5
3	☐	1.000		4849926.42		A	1.0
4	☐	1.000		4806633.82		A	0.6
5	☐	1.000		4567939.90		A	0.8
6	☐	1.000		4393763.90		A	0.6
7	☐	1.000		4214648.34		A	0.5
8	☐	1.000		4203568.41		A	0.6
9	☐	1.000		4178305.70		A	0.5

103 Rh(ISTD) [No Gas]

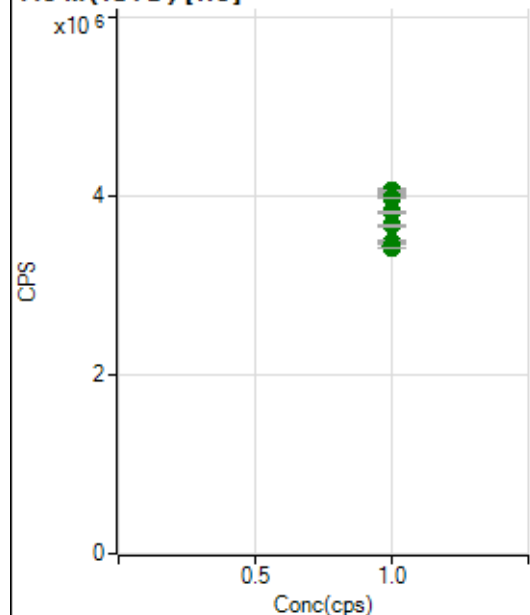
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10528719.36		A	1.2
2	☐	1.000		10723948.38		A	0.3
3	☐	1.000		10646147.83		A	0.3
4	☐	1.000		10491681.65		A	0.4
5	☐	1.000		10252391.37		A	0.7
6	☐	1.000		9729234.58		A	0.5
7	☐	1.000		9163414.17		A	0.4
8	☐	1.000		8792752.65		A	0.9
9	☐	1.000		8181198.42		A	0.6

103 Rh (ISTD) [He]

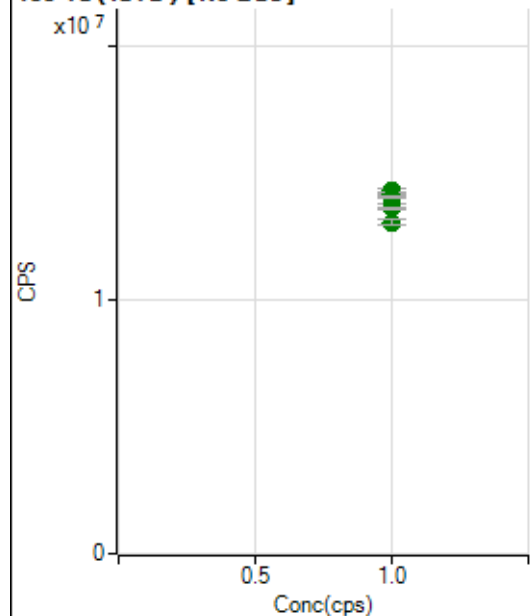
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6598569.14		A	2.0
2	☐	1.000		6634641.78		A	1.4
3	☐	1.000		6592311.36		A	1.0
4	☐	1.000		6485304.56		A	1.0
5	☐	1.000		6142726.57		A	0.6
6	☐	1.000		5895108.32		A	1.0
7	☐	1.000		5565402.56		A	0.5
8	☐	1.000		5497170.12		A	0.3
9	☐	1.000		5200636.28		A	1.0

115 In (ISTD) [No Gas]

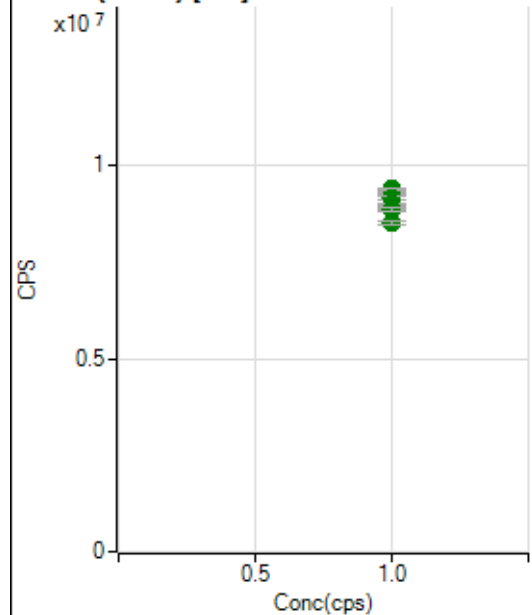
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11047134.22		A	0.9
2	☐	1.000		11252751.28		A	0.9
3	☐	1.000		11083958.86		A	0.7
4	☐	1.000		11064427.08		A	0.7
5	☐	1.000		10889551.19		A	0.9
6	☐	1.000		10501337.64		A	0.7
7	☐	1.000		9834796.26		A	0.8
8	☐	1.000		9746937.26		A	1.0
9	☐	1.000		9202756.92		A	1.3

115 In (ISTD) [He]

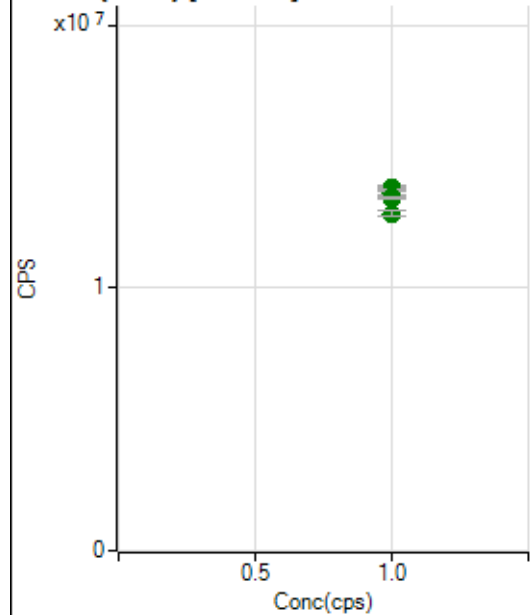
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4043346.44		A	1.5
2	☐	1.000		4063224.35		A	1.7
3	☐	1.000		4055884.10		A	0.6
4	☐	1.000		3985889.53		A	0.4
5	☐	1.000		3823454.44		A	0.6
6	☐	1.000		3672764.26		A	0.9
7	☐	1.000		3494910.74		A	0.4
8	☐	1.000		3440468.10		A	1.1
9	☐	1.000		3423094.37		A	0.5

159 Tb (ISTD) [No Gas]

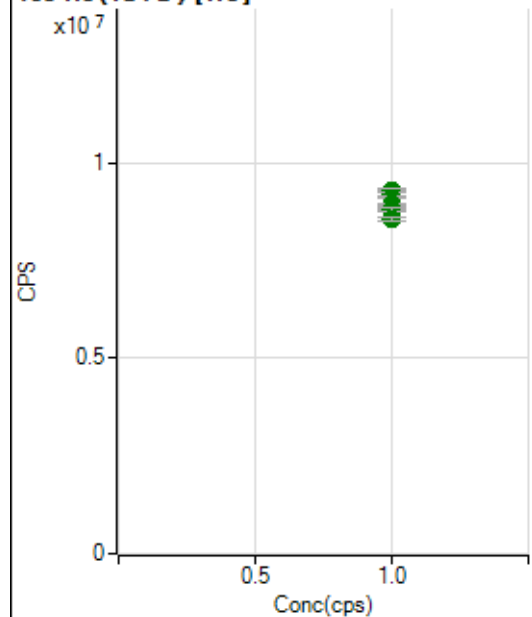
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		14075564.51		A	0.5
2	☐	1.000		14309012.57		A	0.9
3	☐	1.000		14144413.40		A	0.5
4	☐	1.000		14228684.79		A	0.9
5	☐	1.000		14196050.34		A	0.8
6	☐	1.000		14064986.73		A	0.5
7	☐	1.000		13681917.30		A	1.4
8	☐	1.000		13634380.35		A	0.4
9	☐	1.000		13078724.94		A	1.5

159 Tb (ISTD) [He]

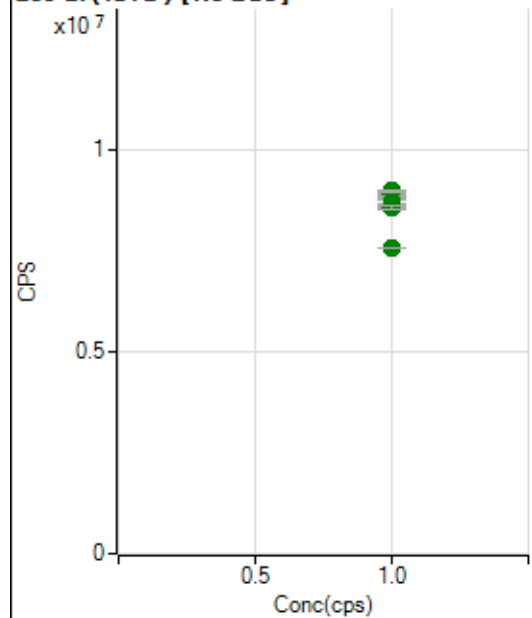
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9306863.68		A	1.0
2	☐	1.000		9347109.09		A	0.7
3	☐	1.000		9344405.14		A	1.1
4	☐	1.000		9400392.01		A	0.8
5	☐	1.000		9160741.11		A	1.0
6	☐	1.000		9005749.52		A	0.6
7	☐	1.000		8885670.63		A	0.6
8	☐	1.000		8877321.19		A	0.8
9	☐	1.000		8537926.75		A	1.1

165 Ho (ISTD) [No Gas]

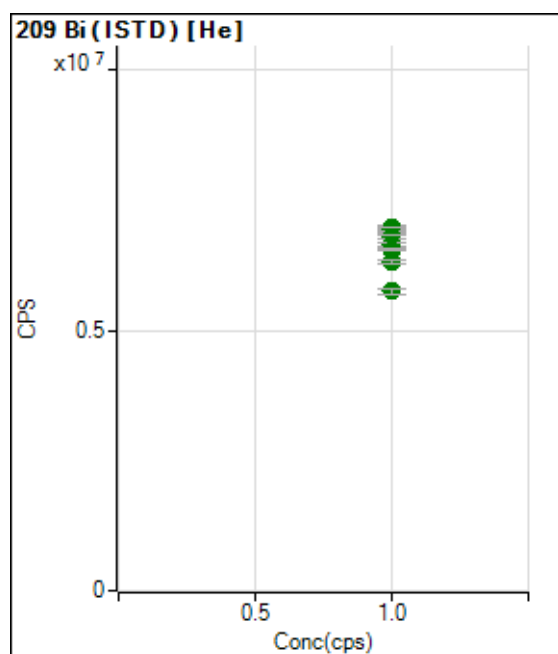
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13641094.94		A	0.9
2	☐	1.000		13811238.54		A	1.4
3	☐	1.000		13708139.66		A	0.5
4	☐	1.000		13800881.04		A	1.6
5	☐	1.000		13816398.41		A	0.7
6	☐	1.000		13708679.66		A	0.6
7	☐	1.000		13408862.99		A	0.6
8	☐	1.000		13465219.66		A	0.6
9	☐	1.000		12838256.76		A	1.9

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9189865.49		A	0.8
2	☐	1.000		9225252.64		A	1.3
3	☐	1.000		9141350.14		A	0.0
4	☐	1.000		9279251.81		A	1.1
5	☐	1.000		9102798.41		A	0.6
6	☐	1.000		8937280.70		A	0.8
7	☐	1.000		8790787.92		A	0.3
8	☐	1.000		8783073.76		A	1.1
9	☐	1.000		8558905.64		A	1.6

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8823559.38		A	1.6
2	☐	1.000		8791793.41		A	0.8
3	☐	1.000		8823267.99		A	0.7
4	☐	1.000		8906869.94		A	1.2
5	☐	1.000		8920071.54		A	0.8
6	☐	1.000		8990173.27		A	0.8
7	☐	1.000		8623195.36		A	1.3
8	☐	1.000		8569514.32		A	0.9
9	☐	1.000		7567825.79		A	0.4



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6933261.01		A	0.9
2	☐	1.000		6974205.10		A	1.1
3	☐	1.000		6881335.18		A	0.3
4	☐	1.000		6936160.94		A	1.2
5	☐	1.000		6808277.95		A	0.9
6	☐	1.000		6642947.54		A	1.1
7	☐	1.000		6546074.49		A	0.6
8	☐	1.000		6326924.14		A	1.4
9	☐	1.000		5759166.02		A	1.8

US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7071422-MS.b

Acq. Date-Time 2022-07-14 12:50:11

Report Comment ---

Instrument Name G8403A JP14410463

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		9400	93997.36			0.324	5.000
24		84291	842907.43			0.298	5.000
25		11017	110167.50			0.307	5.000
26		12309	123087.95			0.202	5.000
59		21817	218169.48			0.301	5.000
113		11497	114969.20			0.672	5.000
115		31586	315860.67			0.516	5.000
206		16045	160449.10			0.646	5.000
207		13592	135924.08			0.695	5.000
208		33300	333001.54			0.516	5.000
220		0	1.50			57.735	

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

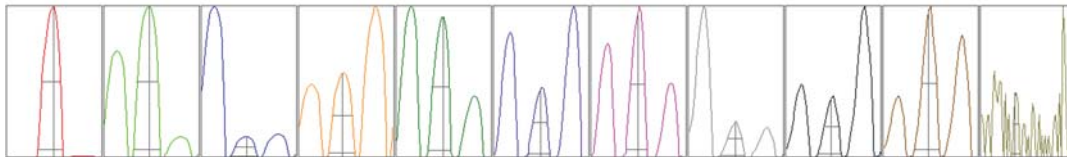
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	9366	9394	9381	9412	9445
24	84169	84086	84712	84328	84158
25	10990	11071	11025	11009	10989
26	12339	12318	12298	12316	12273
59	21760	21866	21898	21815	21746
113	11526	11609	11500	11419	11431
115	31786	31694	31444	31401	31604
206	16175	16136	15983	15989	15941
207	13662	13721	13552	13501	13526
208	33441	33497	33282	33077	33203

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	16902.26	9.00	8.90 - 9.10	
24	136605.05	23.95	23.90 - 24.10	
25	18048.33	24.95	24.90 - 25.10	
26	20438.91	25.90	25.90 - 26.10	
59	42785.46	59.00	58.90 - 59.10	
113	25105.49	113.00	112.90 - 113.10	
115	70956.59	115.00	114.90 - 115.10	
206	34922.35	206.00	205.90 - 206.10	
207	28457.63	206.95	206.90 - 207.10	
208	71001.42	207.95	207.90 - 208.10	
220	0.30	219.60	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.59	0.782	0.900	
24	0.66	0.834	0.900	
25	0.63	0.826	0.900	
26	0.63	0.828	0.900	
59	0.53	0.733	0.900	
113	0.46	0.683	0.900	
115	0.45	0.679	0.900	
206	0.46	0.770	0.900	
207	0.48	0.737	0.900	
208	0.47	0.794	0.900	
220	0.18	0.243		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.73 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.8 V	Deflect	14.6 V
Extract 2	-140.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-65 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	122	Axis Gain	1.0004	QP Bias	-3.0 V
Mass Offset	124	Axis Offset	-0.05		

Hardware Settings

Torch

Torch H	-0.9 mm	Torch V	0.9 mm
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EM

Discriminator	3.2 mV	Analog HV	2201 V	Pulse HV	1467 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		7756	77563.49			0.301	
89		73820	738195.78			1.364	
205		48566	485658.66			0.426	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	7760	7762	7719	7757	7784
89	74950	73823	72680	74682	72962
205	48898	48386	48496	48626	48423

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.73 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.0 V	Deflect	2.6 V
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US EPA Tune Check Report

Extract 2	-140.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-65 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	122	Axis Gain	1.0004	QP Bias	-13.0 V
Mass Offset	124	Axis Offset	-0.05		

Hardware Settings

Torch

Torch H	-0.9 mm	Torch V	0.9 mm
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EM

Discriminator	3.2 mV	Analog HV	2201 V	Pulse HV	1467 V
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