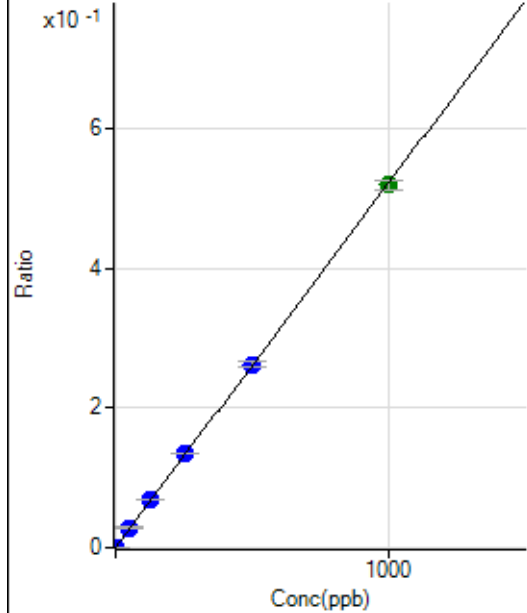


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7022123MS.b\
Analysis File: P7022123MS.batch.bin
DA Date-Time: 2023-02-21 16:11:25
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2023-02-21 11:59:02
2	006CALS.d	S02	2023-02-21 12:04:45
3	007CALS.d	S03	2023-02-21 12:07:36
4	008CALS.d	S04	2023-02-21 12:10:25
5	009CALS.d	S05	2023-02-21 12:13:08
6	010CALS.d	S06	2023-02-21 12:15:54
7	011CALS.d	S07	2023-02-21 12:18:38
8	012CALS.d	S08	2023-02-21 12:21:25

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	58.89	0.0000	P	24.5
2	☐	1.000	1.022	1654.55	0.0006	P	11.5
3	☐	50.000	55.088	81155.18	0.0288	P	2.7
4	☐	125.000	132.253	190404.66	0.0691	P	0.7
5	☐	250.000	260.408	365567.52	0.1361	P	0.3
6	☐	500.000	501.806	695081.36	0.2623	P	3.0
7	☐	1000.000	995.334	1323064.39	0.5203	A	2.3
8	☐			363.34	0.0002	P	14.2

$$y = 5.2268\text{E-}004 * x + 2.0706\text{E-}005$$

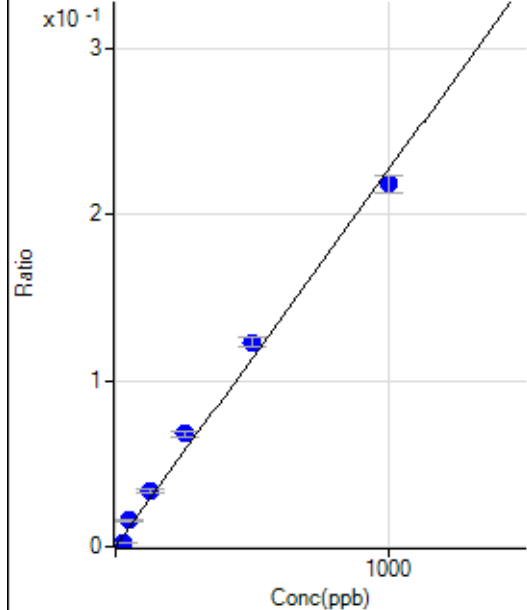
$$R = 0.9999$$

$$DL = 0.02917$$

$$BEC = 0.03961$$

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	158.34	0.0001	P	23.9
2	☐	25.000	10.696	7390.81	0.0025	P	14.1
3	☐	50.000	69.920	44798.87	0.0159	P	7.1
4	☐	125.000	147.424	92215.16	0.0335	P	4.0
5	☐	250.000	299.549	182623.58	0.0680	P	4.9
6	☐	500.000	542.422	326042.91	0.1231	P	4.5
7	☐	1000.000	962.960	555295.51	0.2184	P	4.8
8	☐			15814.04	0.0068	P	11.3

$$y = 2.2676\text{E-}004 * x + 5.5865\text{E-}005$$

$$R = 0.9966$$

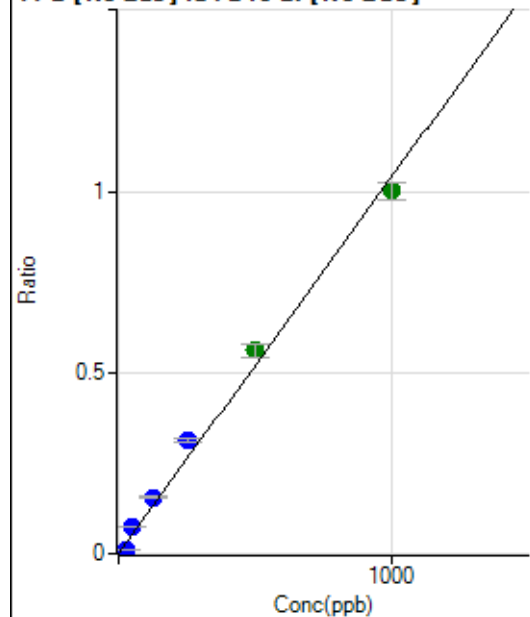
$$DL = 0.1767$$

$$BEC = 0.2464$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	802.82	0.0003	P	9.6
2	☐	25.000	10.763	34207.71	0.0115	P	10.2
3	☐	50.000	71.124	208822.11	0.0742	P	6.0
4	☐	125.000	150.187	430400.40	0.1563	P	3.6
5	☐	250.000	301.824	842934.11	0.3138	P	3.8
6	☐	500.000	539.470	1485320.63	0.5607	A	6.9
7	☐	1000.000	963.460	2545255.55	1.0011	A	4.5
8	☐			76437.28	0.0329	P	11.9

$$y = 0.0010 * x + 2.8253E-004$$

$$R = 0.9966$$

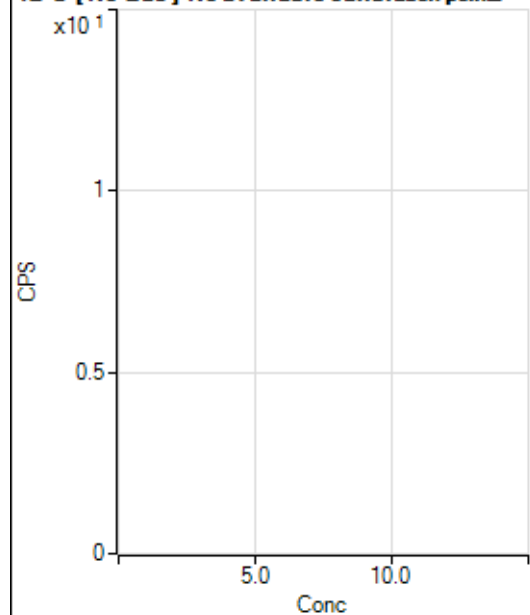
$$DL = 0.07862$$

$$BEC = 0.272$$

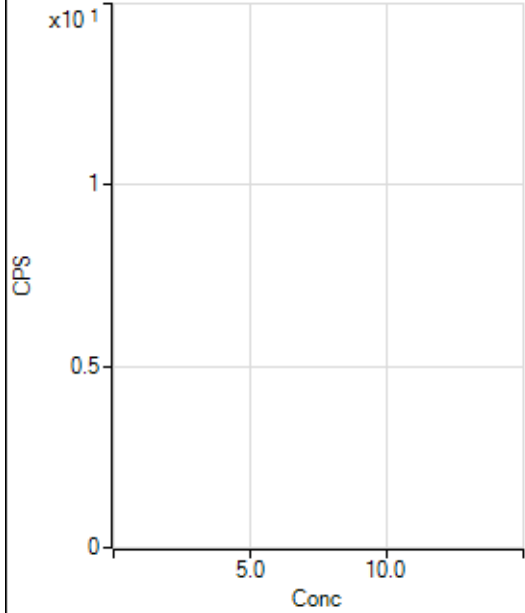
Weight: <None>

Min Conc: 0

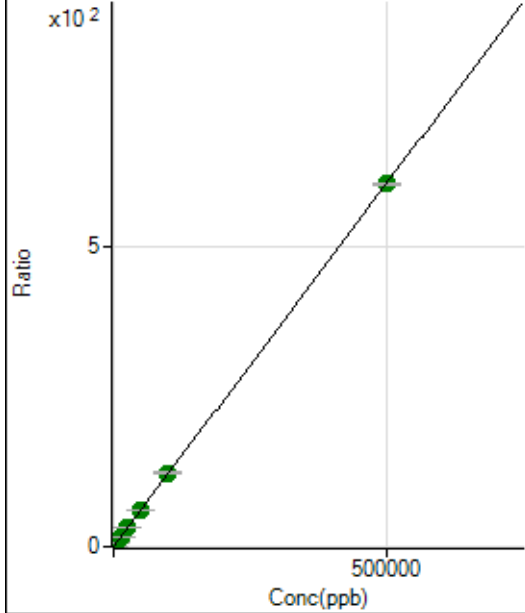
12 C [No Gas] No available calibration points



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

12 C [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	6946.14	0.0190	P	1.0
2	☐	500.000	503.354	227938.93	0.6279	P	2.3
3	☐	5000.000	5333.779	2330745.13	6.4714	A	0.4
4	☐	12500.000	12631.320	5398567.37	15.2995	A	0.9
5	☐	25000.000	25263.142	10631978.94	30.5805	A	0.4
6	☐	50000.000	50177.690	20953659.50	60.7204	A	1.3
7	☐	100000.00	101794.10	41444650.46	123.1621	A	2.7
8	☐	500000.00	499603.62	208170712.0	604.4033	A	0.5

$$y = 0.0012 * x + 0.0190$$

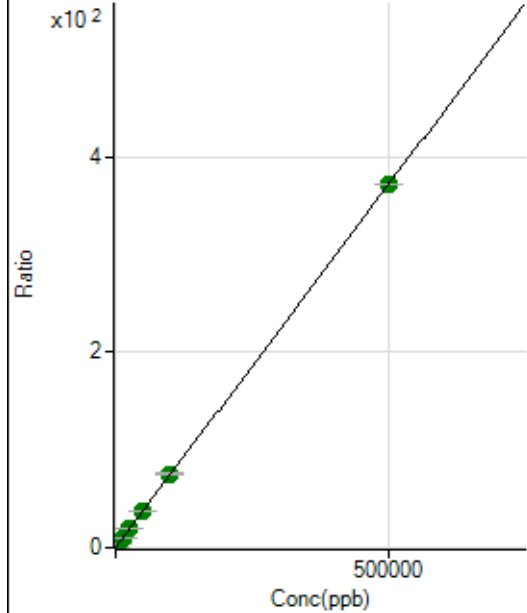
$$R = 1.0000$$

$$DL = 0.4525$$

$$BEC = 15.72$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	214.82	0.0006	P	16.4
2	☐	500.000	512.662	138436.63	0.3814	P	2.2
3	☐	5000.000	5466.677	1462556.08	4.0610	A	1.3
4	☐	12500.000	12818.931	3360167.00	9.5220	A	0.5
5	☐	25000.000	25504.638	6585945.17	18.9445	A	1.2
6	☐	50000.000	50706.501	12996911.52	37.6635	A	1.7
7	☐	100000.00	101159.30	25285420.47	75.1379	A	2.4
8	☐	500000.00	499659.60	127827180.6	371.1290	A	0.1

$$y = 7.4276\text{E-}004 * x + 5.8870\text{E-}004$$

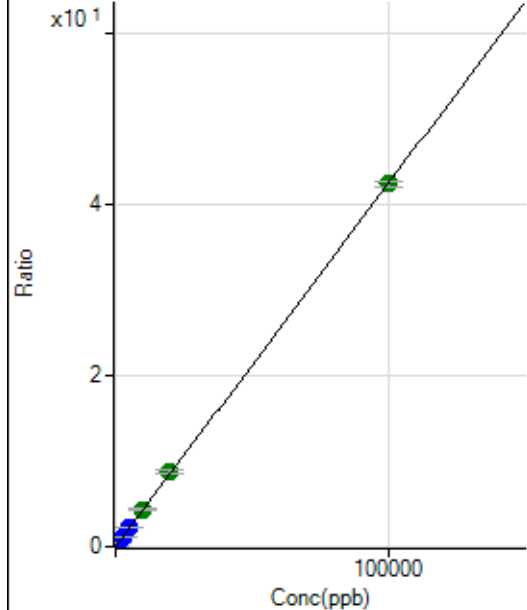
$$R = 1.0000$$

$$DL = 0.3907$$

$$BEC = 0.7926$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	88.89	0.0002	P	37.7
2	☐	20.000	21.815	3450.45	0.0095	P	0.9
3	☐	1000.000	1113.908	170393.55	0.4731	P	1.4
4	☐	2500.000	2615.336	391854.78	1.1105	P	1.1
5	☐	5000.000	5202.701	767926.15	2.2089	P	1.1
6	☐	10000.000	10303.183	1509534.48	4.3742	A	0.8
7	☐	20000.000	20610.226	2944266.67	8.7498	A	3.1
8	☐	100000.00	99833.479	14596850.33	42.3822	A	1.5

$$y = 4.2453\text{E-}004 * x + 2.4331\text{E-}004$$

$$R = 1.0000$$

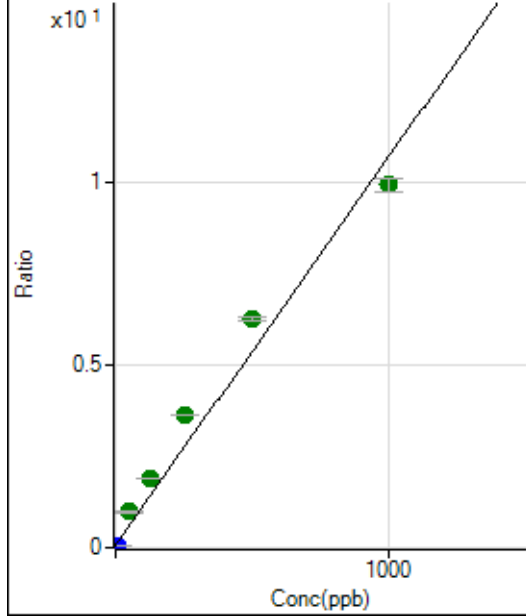
$$DL = 0.6478$$

$$BEC = 0.5731$$

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	273839.06	0.0597	P	1.2
2	☐	10.000	0.309	309549.49	0.0630	P	8.8
3	☐	50.000	86.698	4520348.36	0.9792	A	2.8
4	☐	125.000	172.816	8584639.25	1.8926	A	1.8
5	☐	250.000	335.880	16302654.88	3.6220	A	0.6
6	☐	500.000	583.910	27344288.81	6.2526	A	1.8
7	☐	1000.000	928.860	43799396.12	9.9110	A	3.7
8	☐			480045.50	0.1146	P	3.3

$$y = 0.0106 * x + 0.0597$$

$$R = 0.9888$$

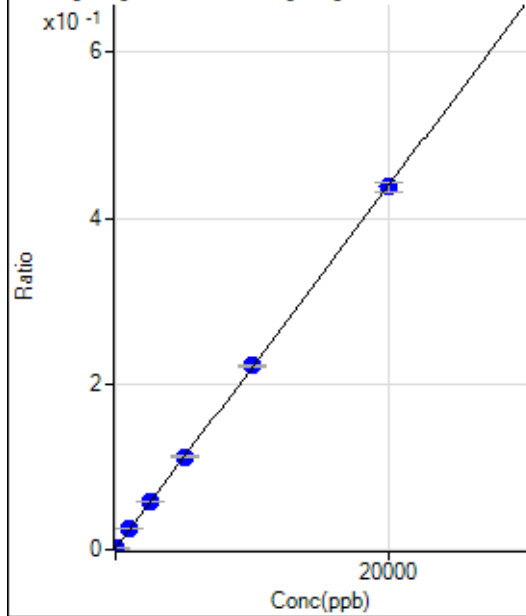
$$DL = 0.2071$$

$$BEC = 5.633$$

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	-16.559	363.90	0.0010	P	7.1
2	☐	0.000	16.559	625.03	0.0017	P	2.4
3	☐	1000.000	1082.773	9027.87	0.0251	P	4.2
4	☐	2500.000	2567.136	20316.63	0.0576	P	1.5
5	☐	5000.000	5057.441	38975.19	0.1121	P	1.4
6	☐	10000.000	10080.029	76648.14	0.2221	P	0.9
7	☐	20000.000	19933.095	147352.16	0.4379	P	2.4
8	☐			363.90	0.0011	P	15.1

$$y = 2.1899E-005 * x + 0.0014$$

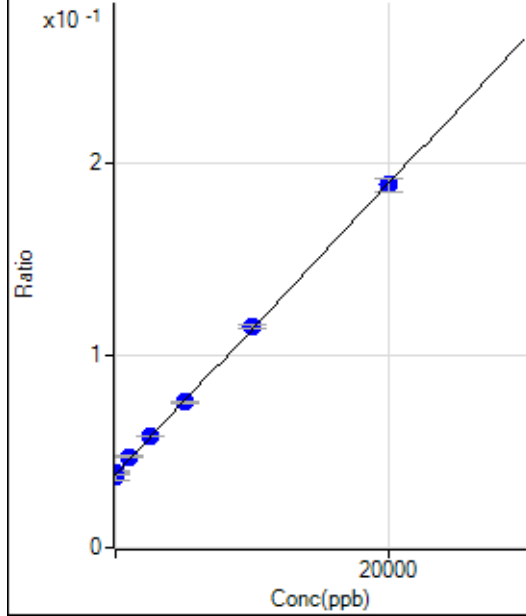
$$R = 1.0000$$

$$DL = 7.645$$

$$BEC = 62.03$$

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	160.526	180285.99	0.0393	P	1.1
2	☐	0.000	-160.526	181294.89	0.0369	P	8.6
3	☐	1000.000	1207.163	218154.76	0.0473	P	1.9
4	☐	2500.000	2651.412	263928.48	0.0582	P	1.0
5	☐	5000.000	4942.055	339858.37	0.0755	P	1.9
6	☐	10000.000	10195.634	504157.94	0.1153	P	1.8
7	☐	20000.000	19887.385	833603.78	0.1886	P	3.7
8	☐			160194.65	0.0383	P	0.6

$$y = 7.5683\text{E-}006 * x + 0.0381$$

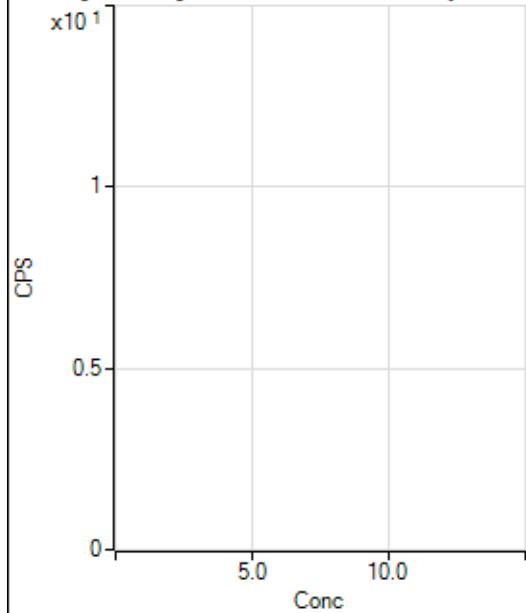
R = 0.9998

DL = 711.3

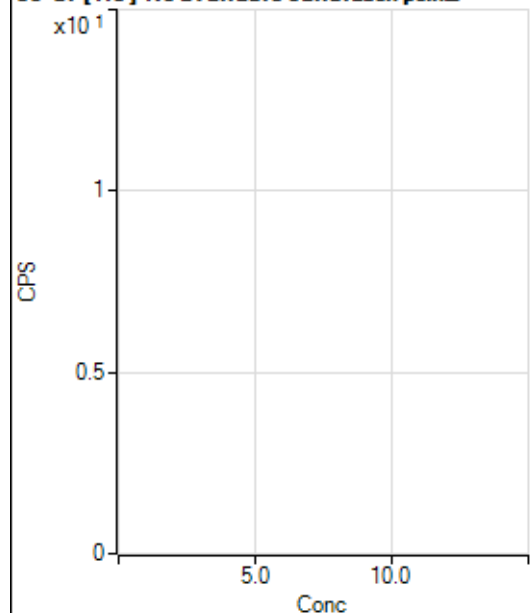
BEC = 5036

Weight: <None>

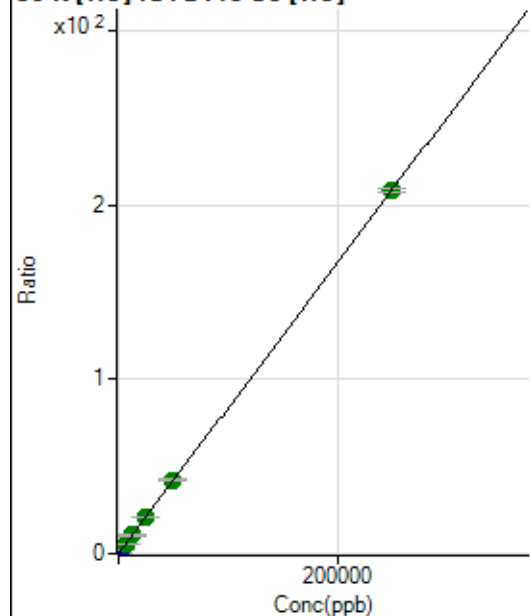
Min Conc: 0

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	☐						

35 Cl [He] No available calibration points

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

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	30634.20	0.0839	P	1.5
2	☐	500.000	539.208	193256.92	0.5324	P	2.0
3	☐	2500.000	2865.211	888519.99	2.4671	P	1.0
4	☐	6250.000	6333.052	1888164.24	5.3516	A	2.7
5	☐	12500.000	12519.858	3649296.48	10.4976	A	2.0
6	☐	25000.000	24850.871	7162282.63	20.7543	A	0.9
7	☐	50000.000	50462.617	14154279.48	42.0576	A	1.9
8	☐	250000.00	249915.59	71625359.24	207.9584	A	1.0

$$y = 8.3178E-004 * x + 0.0839$$

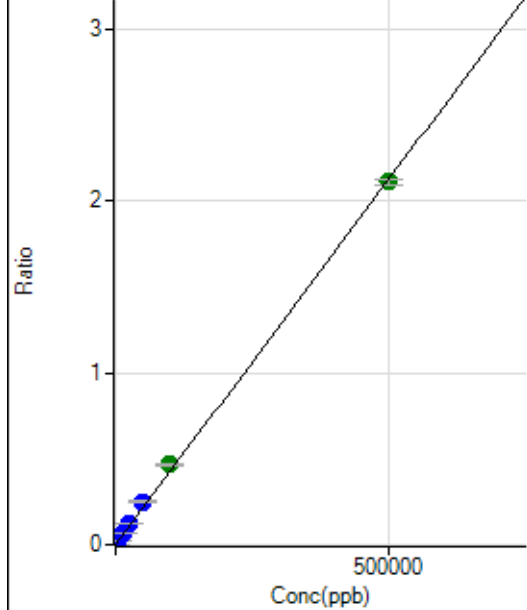
$$R = 1.0000$$

$$DL = 4.585$$

$$BEC = 100.8$$

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	133.34	0.0000	P	17.4
2	☐	500.000	487.345	10317.65	0.0021	P	9.0
3	☐	5000.000	6267.244	123016.32	0.0267	P	3.7
4	☐	12500.000	15006.554	289283.39	0.0638	P	2.2
5	☐	25000.000	29354.097	561360.79	0.1247	P	1.1
6	☐	50000.000	59081.885	1097756.33	0.2510	P	1.9
7	☐	100000.00	109311.21	2052021.51	0.4644	A	4.5
8	☐	500000.00	496936.54	8840304.71	2.1110	A	1.5

$$y = 4.2480\text{E-}006 * x + 2.9118\text{E-}005$$

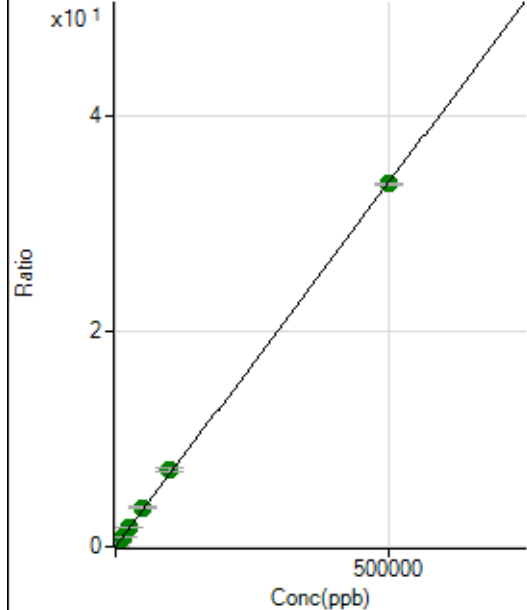
$$R = 0.9997$$

$$DL = 3.569$$

$$BEC = 6.854$$

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	3147.63	0.0007	P	5.8
2	☐	500.000	493.570	167094.49	0.0340	P	10.3
3	☐	5000.000	5648.703	1765414.47	0.3825	A	4.0
4	☐	12500.000	13302.040	4081125.66	0.8997	A	1.9
5	☐	25000.000	26503.791	8065833.34	1.7920	A	1.0
6	☐	50000.000	53344.240	15770769.80	3.6061	A	3.2
7	☐	100000.00	105035.30	31373855.22	7.0998	A	4.1
8	☐	500000.00	498556.79	141106373.9	33.6969	A	0.6

$$y = 6.7588\text{E-}005 * x + 6.8676\text{E-}004$$

$$R = 0.9999$$

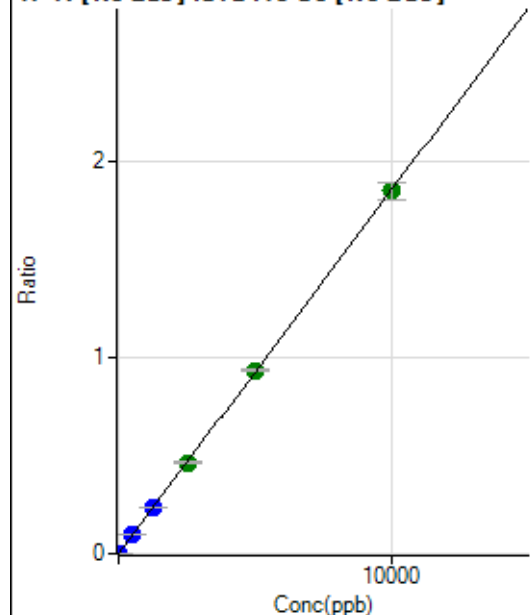
$$DL = 1.767$$

$$BEC = 10.16$$

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	119.45	0.0000	P	16.1
2	☐	5.000	4.591	4311.84	0.0009	P	8.9
3	☐	500.000	531.539	455199.93	0.0986	P	4.0
4	☐	1250.000	1272.907	1071175.49	0.2362	P	2.0
5	☐	2500.000	2499.648	2087028.02	0.4637	A	1.7
6	☐	5000.000	5038.704	4088089.59	0.9347	A	1.5
7	☐	10000.000	9976.296	8177504.61	1.8507	A	4.5
8	☐			1916.84	0.0005	P	8.9

$$y = 1.8550\text{E-}004 * x + 2.6060\text{E-}005$$

$$R = 1.0000$$

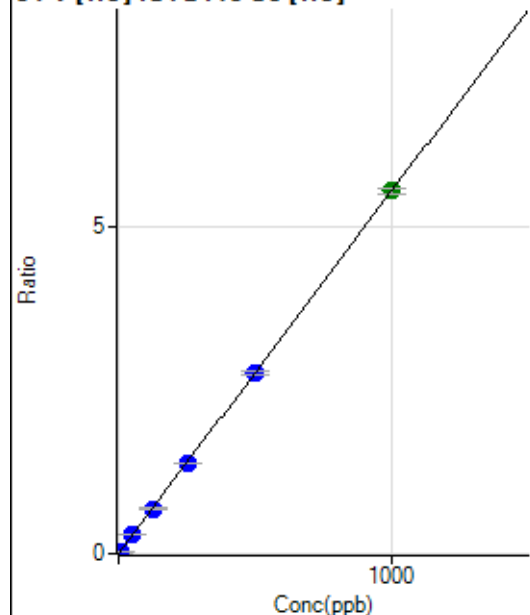
$$DL = 0.06801$$

$$BEC = 0.1405$$

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	3.33	0.0000	P	99.4
2	☐	5.000	5.008	10104.58	0.0278	P	1.8
3	☐	50.000	52.170	104407.81	0.2899	P	1.1
4	☐	125.000	124.548	244201.29	0.6921	P	1.4
5	☐	250.000	249.218	481440.62	1.3848	P	0.8
6	☐	500.000	498.668	956224.60	2.7710	P	1.2
7	☐	1000.000	1000.809	1871656.65	5.5612	A	1.8
8	☐			591.13	0.0017	P	3.4

$$y = 0.0056 * x + 9.0680\text{E-}006$$

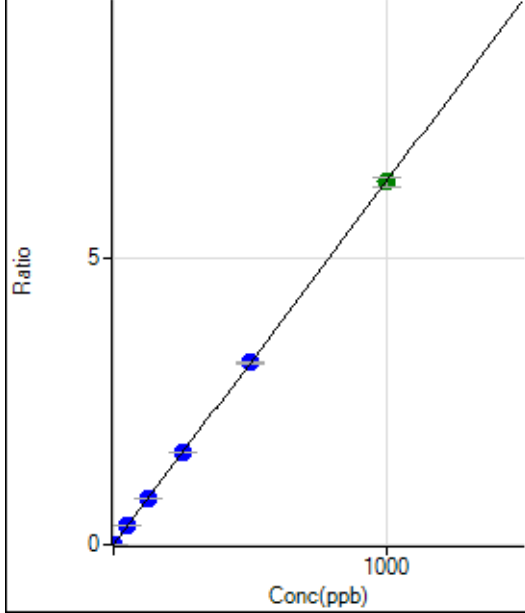
$$R = 1.0000$$

$$DL = 0.004864$$

$$BEC = 0.001632$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	720.03	0.0020	P	7.2
2	☐	2.000	1.997	5305.43	0.0146	P	3.1
3	☐	50.000	53.424	122537.02	0.3402	P	0.2
4	☐	125.000	127.218	284917.33	0.8075	P	1.4
5	☐	250.000	252.947	557480.71	1.6035	P	0.7
6	☐	500.000	500.564	1094385.74	3.1714	P	1.3
7	☐	1000.000	998.533	2128378.86	6.3243	A	2.3
8	☐			20507.38	0.0595	P	0.8

$$y = 0.0063 * x + 0.0020$$

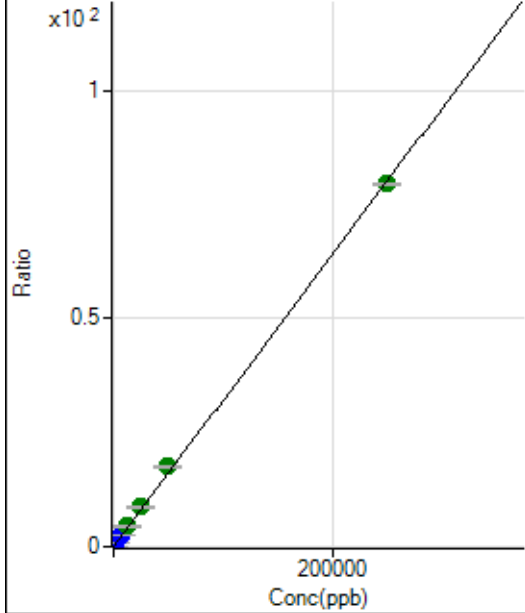
$$R = 1.0000$$

$$DL = 0.06681$$

$$BEC = 0.3115$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1540.38	0.0042	P	5.5
2	☐	50.000	56.382	8066.27	0.0222	P	7.0
3	☐	2500.000	3101.345	358312.49	0.9949	P	0.3
4	☐	6250.000	7343.435	829185.31	2.3499	P	0.9
5	☐	12500.000	13901.862	1545248.12	4.4448	A	1.1
6	☐	25000.000	27234.058	3003282.18	8.7035	A	2.7
7	☐	50000.000	54745.941	5885973.52	17.4915	A	2.7
8	☐	250000.00	248723.96	27365975.84	79.4533	A	0.2

$$y = 3.1943E-004 * x + 0.0042$$

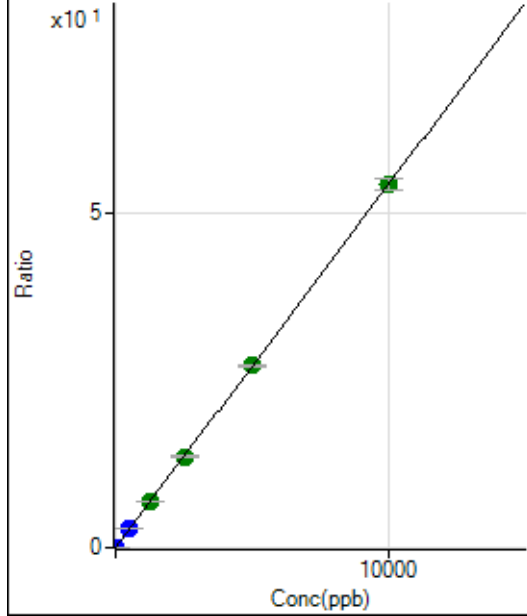
$$R = 0.9998$$

$$DL = 2.167$$

$$BEC = 13.2$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	44.44	0.0001	P	17.9
2	☐	1.000	1.098	2205.74	0.0061	P	5.6
3	☐	500.000	543.713	1062491.58	2.9501	P	0.6
4	☐	1250.000	1281.530	2453341.79	6.9532	A	2.2
5	☐	2500.000	2502.875	4720871.84	13.5798	A	1.4
6	☐	5000.000	5006.151	9373577.85	27.1616	A	0.7
7	☐	10000.000	9990.079	18238648.62	54.2025	A	3.0
8	☐			19876.54	0.0577	P	0.8

$$y = 0.0054 * x + 1.2175E-004$$

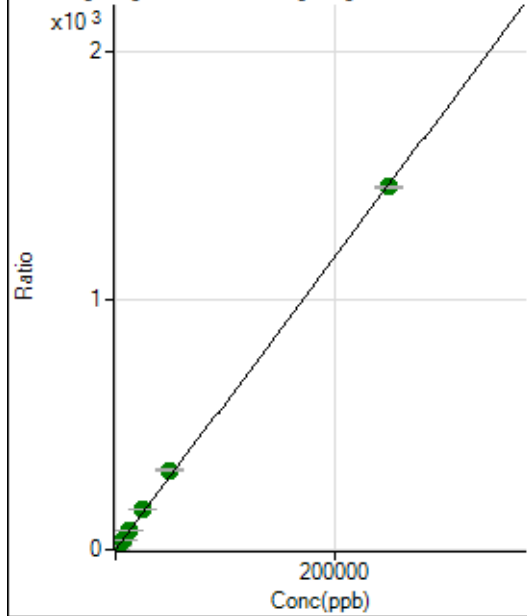
$$R = 1.0000$$

$$DL = 0.01204$$

$$BEC = 0.02244$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	7939.24	0.0217	P	2.2
2	☐	50.000	56.616	128019.26	0.3527	P	3.1
3	☐	2500.000	2919.528	6154726.99	17.0891	A	0.9
4	☐	6250.000	6975.116	14395693.61	40.7978	A	1.1
5	☐	12500.000	13727.420	27905128.63	80.2712	A	1.6
6	☐	25000.000	27363.128	55208761.88	159.9846	A	1.4
7	☐	50000.000	54372.875	106978293.1	317.8816	A	2.1
8	☐	250000.00	248805.41	500972366.7	1,454.520	A	0.2

$$y = 0.0058 * x + 0.0217$$

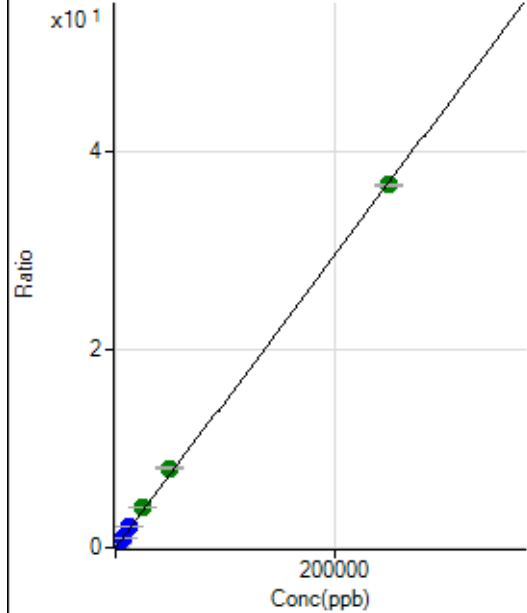
$$R = 0.9998$$

$$DL = 0.2425$$

$$BEC = 3.719$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.71	0.0004	P	6.3
2	☐	50.000	60.608	3389.33	0.0093	P	2.0
3	☐	2500.000	3023.499	160332.66	0.4452	P	1.0
4	☐	6250.000	7158.108	371696.26	1.0534	P	1.1
5	☐	12500.000	14218.866	727298.21	2.0920	P	0.9
6	☐	25000.000	27199.896	1380904.96	4.0016	A	1.2
7	☐	50000.000	54208.553	2683790.80	7.9746	A	2.0
8	☐	250000.00	248824.41	12606897.39	36.6030	A	0.5

$$y = 1.4710\text{E-}004 * x + 4.2058\text{E-}004$$

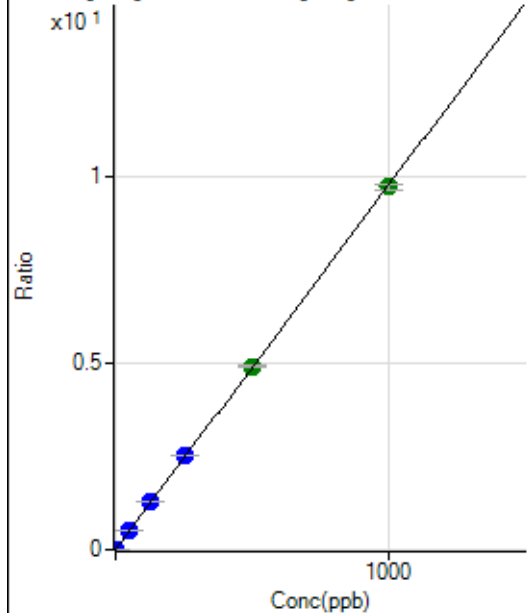
$$R = 0.9998$$

$$DL = 0.544$$

$$BEC = 2.859$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	46.66	0.0001	P	33.2
2	☐	1.000	1.066	3829.41	0.0106	P	5.9
3	☐	50.000	54.814	193125.05	0.5362	P	0.7
4	☐	125.000	130.282	449651.93	1.2743	P	1.4
5	☐	250.000	257.549	875755.18	2.5191	P	1.0
6	☐	500.000	502.935	1697584.49	4.9191	A	0.7
7	☐	1000.000	995.744	3277782.87	9.7390	A	1.7
8	☐			4378.45	0.0127	P	1.3

$$y = 0.0098 * x + 1.2784\text{E-}004$$

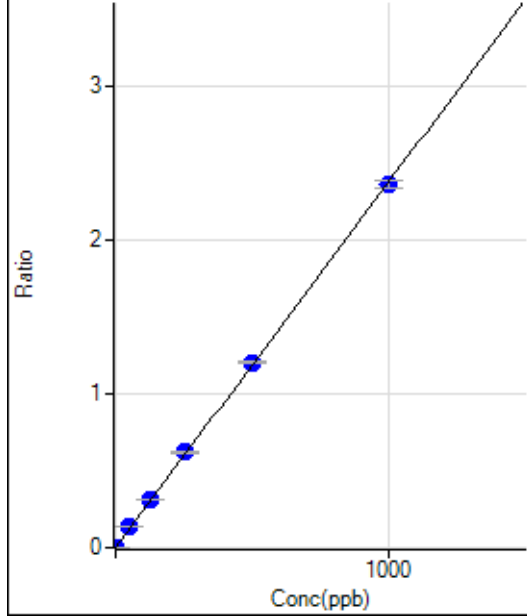
$$R = 1.0000$$

$$DL = 0.01304$$

$$BEC = 0.01307$$

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	150.00	0.0004	P	8.3
2	☐	1.000	1.125	1117.83	0.0031	P	5.8
3	☐	50.000	56.593	48540.51	0.1348	P	0.7
4	☐	125.000	133.217	111749.08	0.3167	P	1.0
5	☐	250.000	260.549	215198.63	0.6190	P	0.9
6	☐	500.000	506.122	414819.22	1.2021	P	1.1
7	☐	1000.000	992.945	793519.06	2.3579	P	2.0
8	☐			3303.73	0.0096	P	1.2

$$y = 0.0024 * x + 4.1073E-004$$

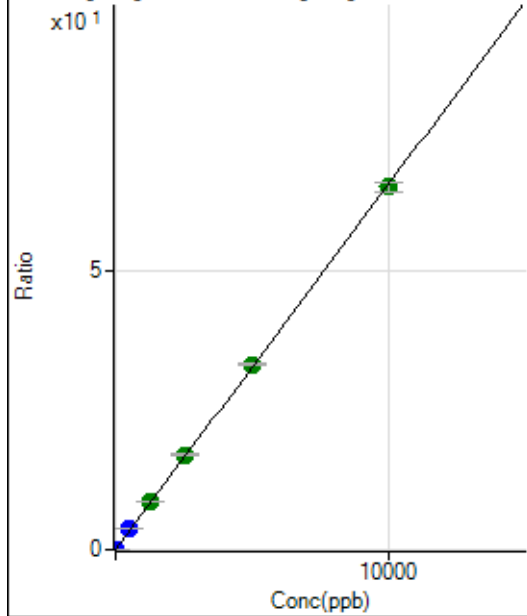
$$R = 0.9999$$

$$DL = 0.04318$$

$$BEC = 0.173$$

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	457.79	0.0013	P	5.8
2	☐	2.000	2.205	5694.47	0.0157	P	2.0
3	☐	500.000	565.689	1334374.04	3.7050	P	0.7
4	☐	1250.000	1319.727	3049112.84	8.6420	A	2.6
5	☐	2500.000	2602.651	5924816.30	17.0417	A	1.0
6	☐	5000.000	5063.234	11440627.33	33.1521	A	1.0
7	☐	10000.000	9930.720	21881104.95	65.0212	A	2.4
8	☐			6519.27	0.0189	P	0.1

$$y = 0.0065 * x + 0.0013$$

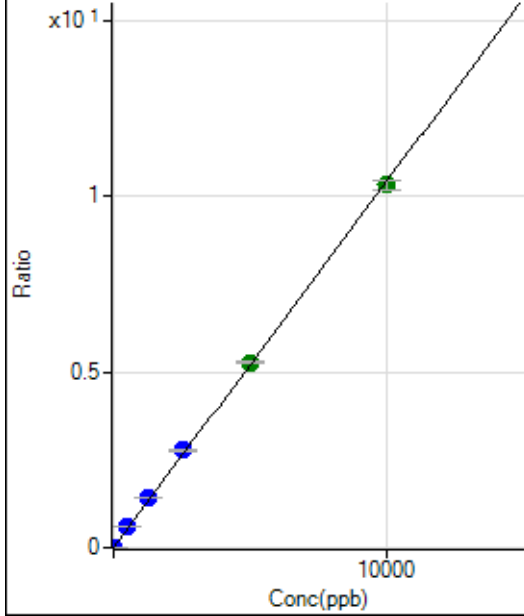
$$R = 0.9999$$

$$DL = 0.03341$$

$$BEC = 0.1914$$

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	315.56	0.0009	P	19.5
2	☐	2.000	2.410	1225.62	0.0034	P	4.5
3	☐	500.000	567.924	213505.26	0.5928	P	0.2
4	☐	1250.000	1354.881	498599.63	1.4130	P	1.2
5	☐	2500.000	2665.691	966204.69	2.7793	P	1.4
6	☐	5000.000	5065.159	1822271.83	5.2802	A	1.6
7	☐	10000.000	9909.492	3476119.71	10.3295	A	2.4
8	☐			3778.29	0.0110	P	4.1

$$y = 0.0010 * x + 8.6420E-004$$

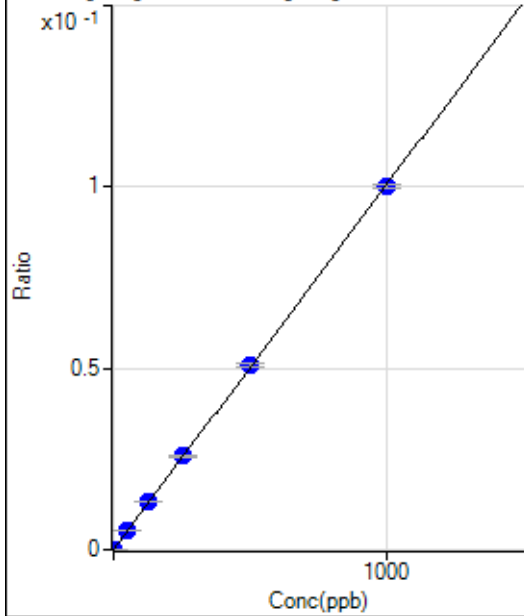
$$R = 0.9998$$

$$DL = 0.4863$$

$$BEC = 0.8291$$

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	0.62	0.0000	P	173.
2	☐	1.000	1.030	251.86	0.0001	P	2.5
3	☐	50.000	54.239	13156.48	0.0055	P	0.7
4	☐	125.000	131.219	31350.25	0.0132	P	0.7
5	☐	250.000	255.748	60579.45	0.0257	P	1.8
6	☐	500.000	506.400	119379.35	0.0509	P	1.8
7	☐	1000.000	994.374	230768.74	0.1000	P	1.1
8	☐			72.22	0.0000	P	6.4

$$y = 1.0061E-004 * x + 2.5411E-007$$

$$R = 0.9999$$

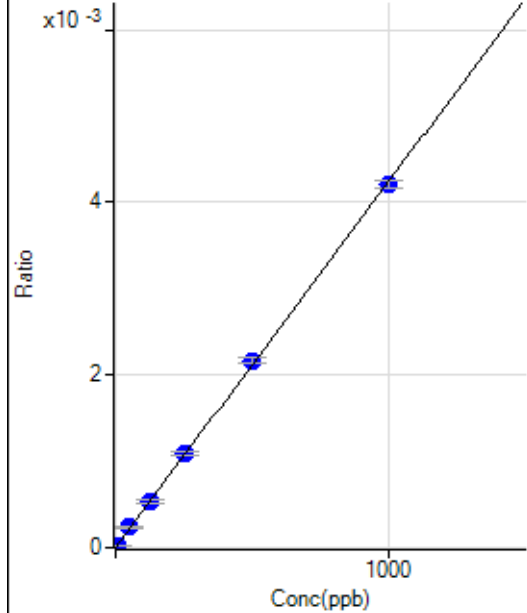
$$DL = 0.01312$$

$$BEC = 0.002526$$

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	☐	5.000	4.739	48.89	0.0000	P	57.9
3	☐	50.000	55.382	565.57	0.0002	P	5.2
4	☐	125.000	127.504	1282.29	0.0005	P	7.2
5	☐	250.000	257.823	2571.36	0.0011	P	4.4
6	☐	500.000	511.536	5077.59	0.0022	P	2.7
7	☐	1000.000	991.696	9691.03	0.0042	P	2.0
8	☐			7.78	0.0000	P	66.1

$$y = 4.2367\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

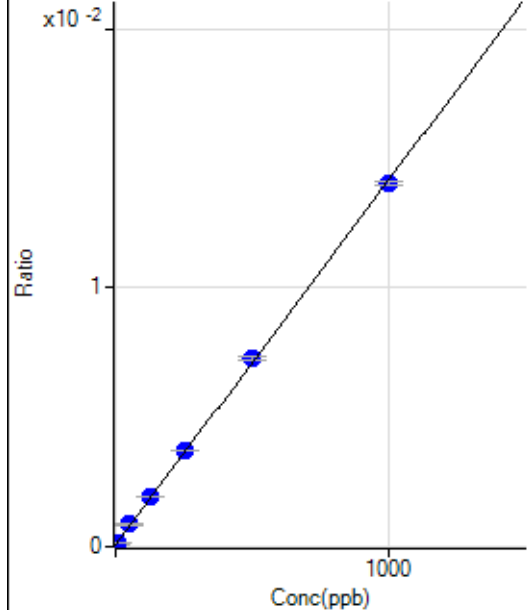
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	167.90	0.0001	P	7.0
2	☐	5.000	4.319	315.44	0.0001	P	8.2
3	☐	50.000	55.858	2061.88	0.0009	P	4.4
4	☐	125.000	132.848	4602.59	0.0019	P	0.8
5	☐	250.000	259.276	8751.38	0.0037	P	1.4
6	☐	500.000	511.718	17031.42	0.0073	P	1.8
7	☐	1000.000	990.552	32306.03	0.0140	P	1.2
8	☐			173.46	0.0001	P	10.1

$$y = 1.4069\text{E-}005 * x + 6.9324\text{E-}005$$

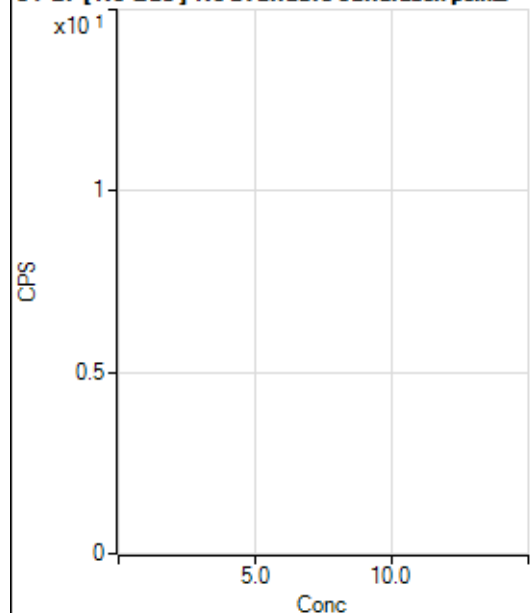
$$R = 0.9998$$

$$DL = 1.04$$

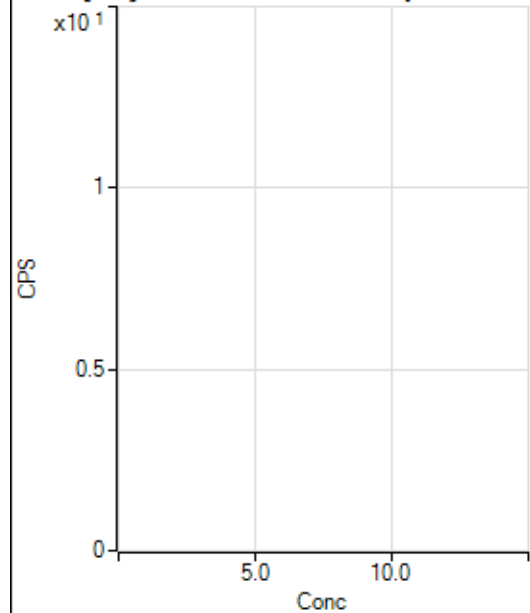
$$BEC = 4.927$$

Weight: <None>

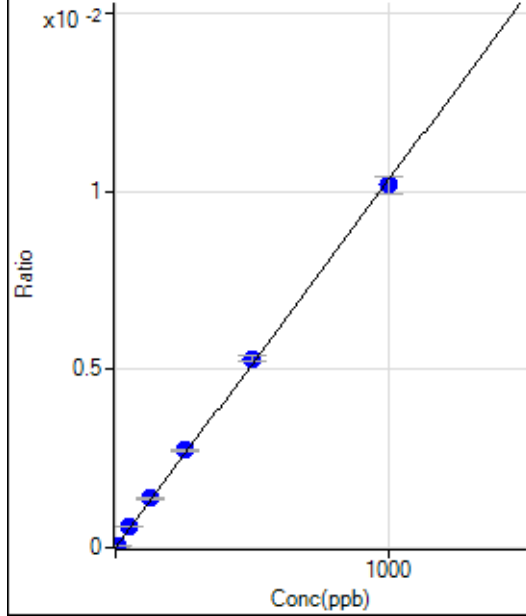
Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			53949.13		P	2.5
2	☐			53899.22		P	1.3
3	☐			53659.61		P	2.5
4	☐			53489.35		P	0.8
5	☐			51100.37		P	1.3
6	☐			51426.18		P	2.3
7	☐			51697.20		P	0.9
8	☐			49988.23		P	0.6

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			86.50		P	35.3
2	☐			63.21		P	45.6
3	☐			56.55		P	44.4
4	☐			59.88		P	28.9
5	☐			59.88		P	50.0
6	☐			66.53		P	31.2
7	☐			69.86		P	0.0
8	☐			89.82		P	55.6

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	23.75	0.0000	P	35.7
2	☐	5.000	5.122	589.32	0.0001	P	15.7
3	☐	50.000	55.474	5875.26	0.0006	P	2.5
4	☐	125.000	134.024	13907.40	0.0014	P	3.1
5	☐	250.000	264.789	27237.83	0.0027	P	1.9
6	☐	500.000	515.175	53015.53	0.0053	P	2.8
7	☐	1000.000	987.313	101263.06	0.0102	P	5.0
8	☐			201.56	0.0000	P	3.4

$$y = 1.0315E-005 * x + 2.3149E-006$$

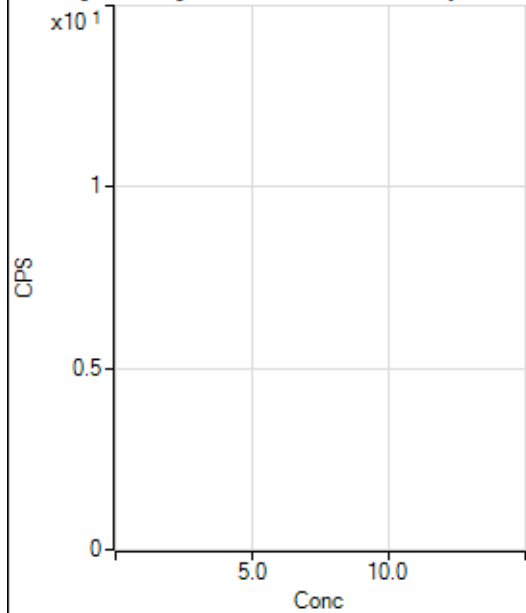
$$R = 0.9997$$

$$DL = 0.2401$$

$$BEC = 0.2244$$

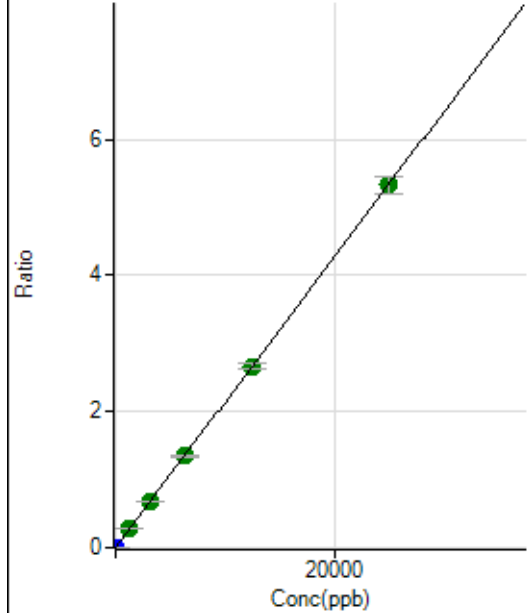
Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			110.00		P	15.2
2	☐			100.00		P	16.7
3	☐			114.45		P	14.4
4	☐			117.78		P	6.5
5	☐			121.11		P	9.7
6	☐			127.78		P	17.4
7	☐			162.23		P	27.6
8	☐			173.34		P	10.2

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	202.79	0.0000	P	13.8
2	☐	1.000	1.004	2508.62	0.0002	P	13.1
3	☐	1250.000	1319.793	2878121.98	0.2814	A	2.6
4	☐	3125.000	3176.338	6802376.15	0.6773	A	1.0
5	☐	6250.000	6297.794	13380691.36	1.3429	A	1.2
6	☐	12500.000	12477.919	26531913.61	2.6607	A	3.2
7	☐	25000.000	24989.185	52971079.31	5.3285	A	5.0
8	☐			14104.32	0.0015	P	5.0

$$y = 2.1323\text{E-}004 * x + 1.9814\text{E-}005$$

$$R = 1.0000$$

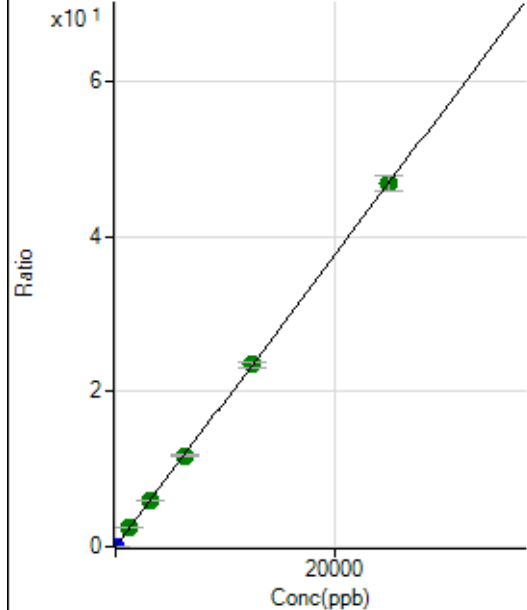
$$DL = 0.03835$$

$$BEC = 0.09292$$

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	144.45	0.0000	P	30.0
2	☐	1.000	0.937	18979.38	0.0018	P	10.0
3	☐	1250.000	1315.569	25212797.09	2.4655	A	2.9
4	☐	3125.000	3160.993	59496710.36	5.9240	A	0.3
5	☐	6250.000	6276.451	117202829.0	11.7627	A	0.5
6	☐	12500.000	12542.893	234407230.2	23.5066	A	3.1
7	☐	25000.000	24964.163	465164743.7	46.7853	A	4.2
8	☐			122871.13	0.0133	P	5.2

$$y = 0.0019 * x + 1.4131\text{E-}005$$

$$R = 1.0000$$

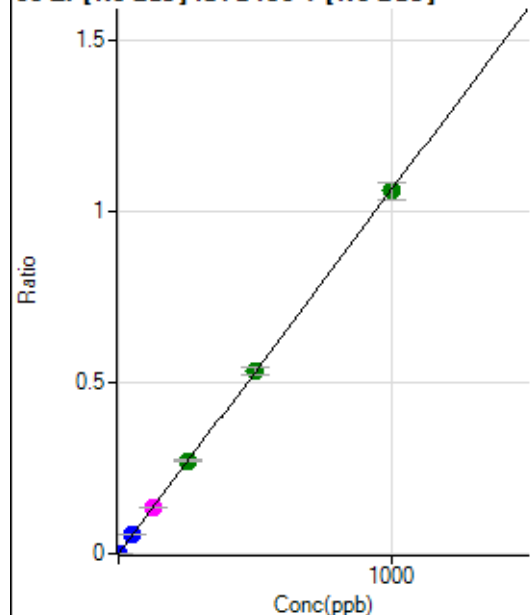
$$DL = 0.006789$$

$$BEC = 0.00754$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	508.36	0.0000	P	11.7
2	☐	1.000	0.911	10879.33	0.0010	P	13.2
3	☐	50.000	53.668	583064.54	0.0570	P	3.2
4	☐	125.000	128.374	1369060.84	0.1363	M	1.0
5	☐	250.000	254.918	2696684.26	0.2706	A	1.3
6	☐	500.000	501.706	5310764.75	0.5326	A	3.5
7	☐	1000.000	997.313	10525361.52	1.0587	A	4.6
8	☐			2792.02	0.0003	P	12.4

$$y = 0.0011 * x + 4.9619E-005$$

$$R = 1.0000$$

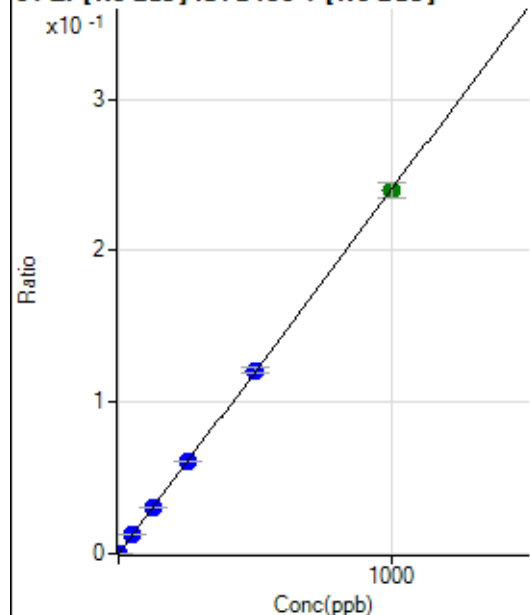
$$DL = 0.01642$$

$$BEC = 0.04674$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	72.23	0.0000	P	38.0
2	☐	1.000	0.920	2455.82	0.0002	P	2.8
3	☐	50.000	52.806	129782.29	0.0127	P	2.4
4	☐	125.000	128.018	308894.88	0.0308	P	1.7
5	☐	250.000	254.622	609464.18	0.0612	P	1.1
6	☐	500.000	503.781	1206625.12	0.1210	P	3.8
7	☐	1000.000	996.437	2379822.99	0.2393	A	4.1
8	☐			605.58	0.0001	P	4.7

$$y = 2.4020E-004 * x + 7.0723E-006$$

$$R = 1.0000$$

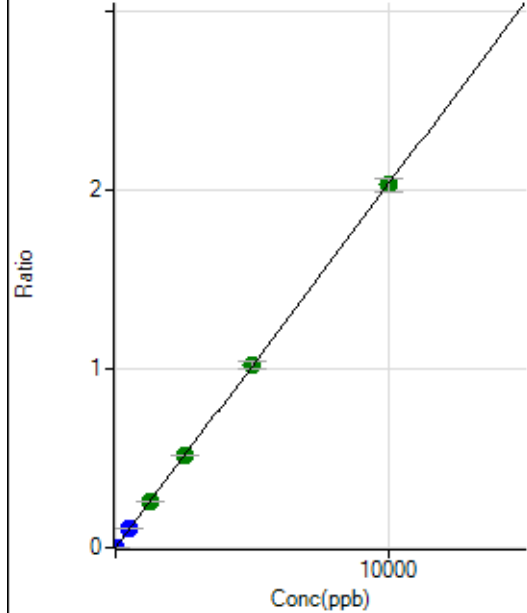
$$DL = 0.03357$$

$$BEC = 0.02944$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	166.67	0.0000	P	31.0
2	☐	5.000	5.906	13061.71	0.0012	P	9.1
3	☐	500.000	536.143	1115397.71	0.1091	P	2.2
4	☐	1250.000	1277.045	2608894.72	0.2598	A	1.5
5	☐	2500.000	2525.681	5118934.01	0.5137	A	1.0
6	☐	5000.000	5023.491	10189214.64	1.0218	A	3.3
7	☐	10000.000	9976.646	20177358.44	2.0293	A	3.9
8	☐			6665.62	0.0007	P	6.2

$$y = 2.0340\text{E-}004 * x + 1.6284\text{E-}005$$

$$R = 1.0000$$

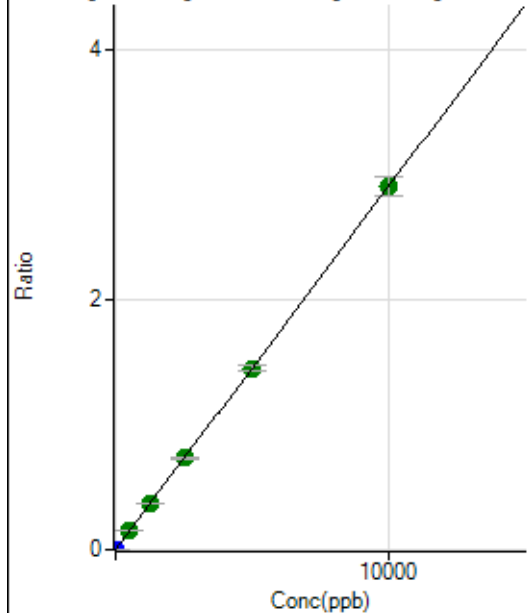
$$DL = 0.07458$$

$$BEC = 0.08006$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	16.67	0.0000	P	50.7
2	☐	5.000	4.928	15347.26	0.0014	P	11.0
3	☐	500.000	531.195	1576523.51	0.1542	A	2.8
4	☐	1250.000	1283.746	3741708.37	0.3726	A	1.6
5	☐	2500.000	2518.783	7283507.46	0.7310	A	0.7
6	☐	5000.000	5002.012	14476831.40	1.4516	A	2.7
7	☐	10000.000	9988.520	28815695.09	2.8988	A	5.4
8	☐			8574.96	0.0009	P	2.6

$$y = 2.9021\text{E-}004 * x + 1.6328\text{E-}006$$

$$R = 1.0000$$

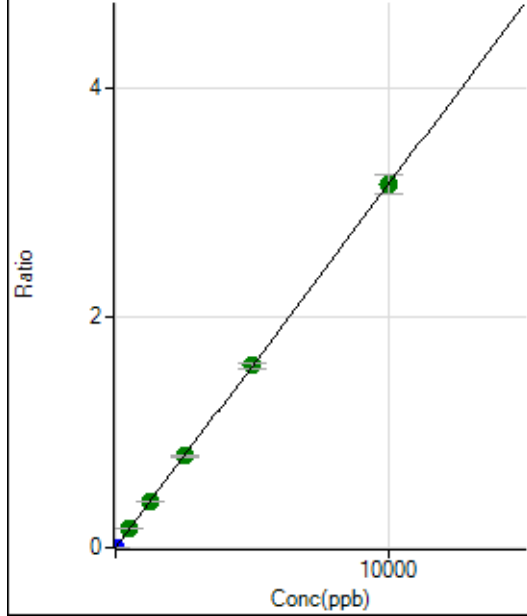
$$DL = 0.008564$$

$$BEC = 0.005626$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	63.89	0.0000	P	25.7
2	☐	5.000	4.975	16896.23	0.0016	P	11.0
3	☐	500.000	528.017	1704809.79	0.1667	A	3.2
4	☐	1250.000	1274.437	4041189.06	0.4024	A	0.6
5	☐	2500.000	2527.005	7949827.96	0.7978	A	1.4
6	☐	5000.000	5007.798	15765360.25	1.5811	A	3.8
7	☐	10000.000	9984.894	31336275.35	3.1525	A	5.5
8	☐			28748.56	0.0031	P	3.4

$$y = 3.1572\text{E-}004 * x + 6.2209\text{E-}006$$

$$R = 1.0000$$

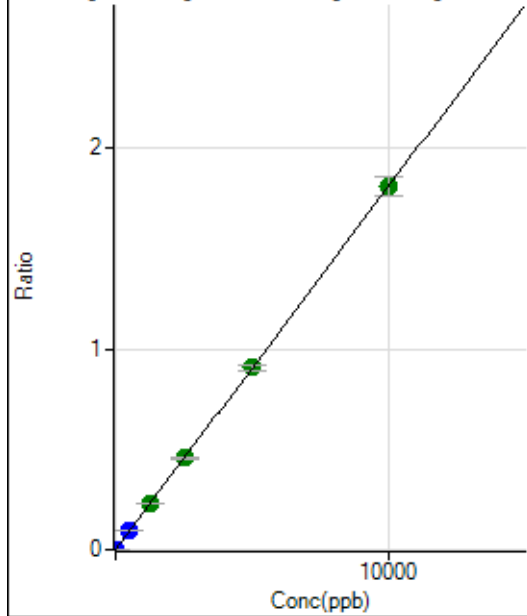
$$DL = 0.01521$$

$$BEC = 0.0197$$

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	2.78	0.0000	P	173.
2	☐	5.000	4.787	9297.61	0.0009	P	9.4
3	☐	500.000	535.896	991293.83	0.0969	P	2.7
4	☐	1250.000	1273.139	2312815.16	0.2303	A	2.5
5	☐	2500.000	2518.689	4539553.05	0.4556	A	1.5
6	☐	5000.000	5011.578	9039931.62	0.9065	A	3.0
7	☐	10000.000	9984.852	17953692.42	1.8061	A	5.2
8	☐			5392.82	0.0006	P	4.9

$$y = 1.8088\text{E-}004 * x + 2.7329\text{E-}007$$

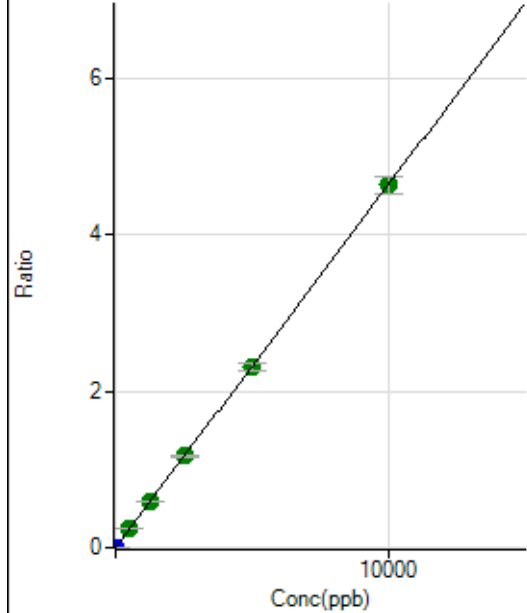
$$R = 1.0000$$

$$DL = 0.007851$$

$$BEC = 0.001511$$

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	13.89	0.0000	P	70.1
2	☐	5.000	4.988	24857.87	0.0023	P	10.3
3	☐	500.000	524.800	2492873.10	0.2438	A	2.0
4	☐	1250.000	1264.812	5900312.02	0.5875	A	1.8
5	☐	2500.000	2522.082	11672832.64	1.1715	A	1.5
6	☐	5000.000	4996.218	23139225.52	2.3207	A	4.0
7	☐	10000.000	9993.279	46143301.03	4.6418	A	5.1
8	☐			12811.51	0.0014	P	6.6

$$y = 4.6449\text{E-}004 * x + 1.3599\text{E-}006$$

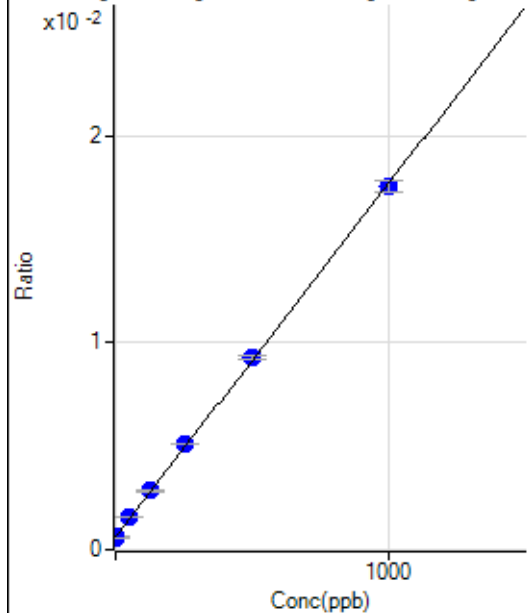
$$R = 1.0000$$

$$DL = 0.006157$$

$$BEC = 0.002928$$

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	6357.15	0.0006	P	4.1
2	☐	1.000	-1.418	6590.55	0.0006	P	5.5
3	☐	50.000	56.947	16715.56	0.0016	P	2.3
4	☐	125.000	131.635	30134.67	0.0029	P	3.5
5	☐	250.000	264.215	54210.16	0.0051	P	0.5
6	☐	500.000	509.006	98477.71	0.0093	P	2.7
7	☐	1000.000	990.769	184205.01	0.0175	P	3.3
8	☐			5442.84	0.0006	P	2.0

$$y = 1.7074\text{E-}005 * x + 6.0935\text{E-}004$$

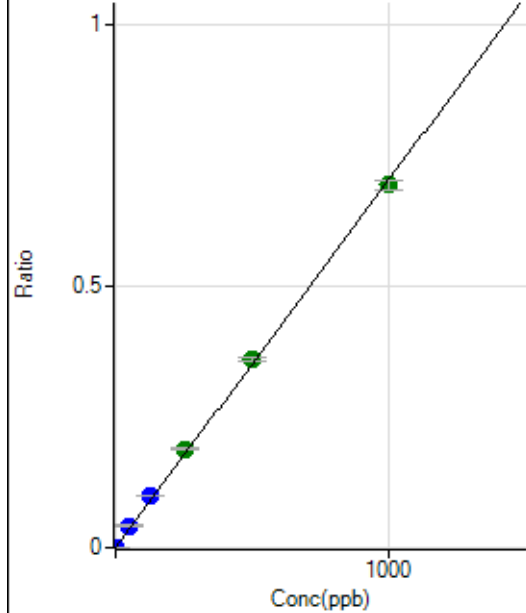
$$R = 0.9998$$

$$DL = 4.418$$

$$BEC = 35.69$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	72.22	0.0000	P	40.3
2	☐	1.000	1.041	8260.88	0.0007	P	13.2
3	☐	50.000	59.741	443361.64	0.0420	P	3.0
4	☐	125.000	139.332	1032071.87	0.0978	P	0.8
5	☐	250.000	268.802	1998101.52	0.1887	A	1.6
6	☐	500.000	511.365	3802344.57	0.3591	A	2.0
7	☐	1000.000	987.338	7286864.83	0.6933	A	3.0
8	☐			2992.05	0.0003	P	6.5

$$y = 7.0215\text{E-}004 * x + 6.9188\text{E-}006$$

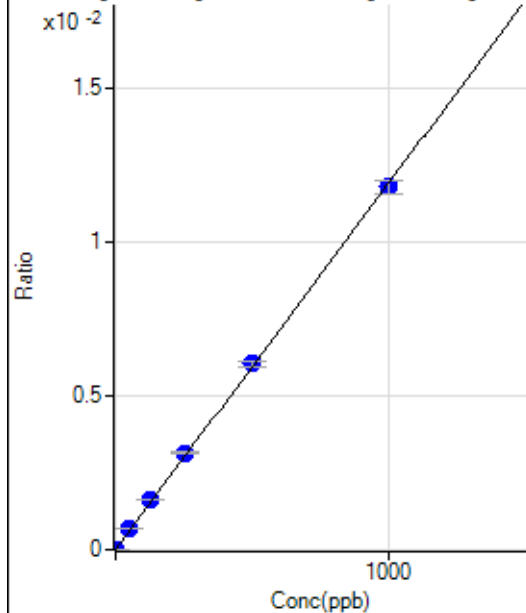
$$R = 0.9997$$

$$DL = 0.01193$$

$$BEC = 0.009854$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	9.72	0.0000	P	24.6
2	☐	1.000	1.151	162.51	0.0000	P	24.2
3	☐	50.000	57.843	7288.02	0.0007	P	5.5
4	☐	125.000	135.756	17061.54	0.0016	P	2.5
5	☐	250.000	264.230	33318.73	0.0031	P	1.2
6	☐	500.000	508.058	64071.27	0.0061	P	3.3
7	☐	1000.000	990.677	123991.80	0.0118	P	3.8
8	☐			62.50	0.0000	P	23.5

$$y = 1.1908\text{E-}005 * x + 9.3136\text{E-}007$$

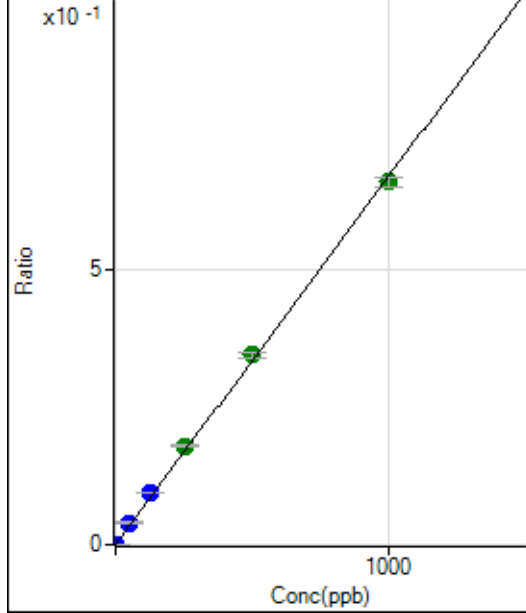
$$R = 0.9998$$

$$DL = 0.05762$$

$$BEC = 0.07822$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	8.33	0.0000	P	100.
2	☐	1.000	1.038	7794.00	0.0007	P	7.6
3	☐	50.000	59.232	418755.49	0.0396	P	2.9
4	☐	125.000	139.341	983315.08	0.0932	P	1.1
5	☐	250.000	267.308	1893150.06	0.1788	A	1.9
6	☐	500.000	515.130	3649172.91	0.3446	A	2.8
7	☐	1000.000	985.854	6932543.99	0.6595	A	2.6
8	☐			2653.10	0.0003	P	0.4

$$y = 6.6898\text{E-}004 * x + 7.9835\text{E-}007$$

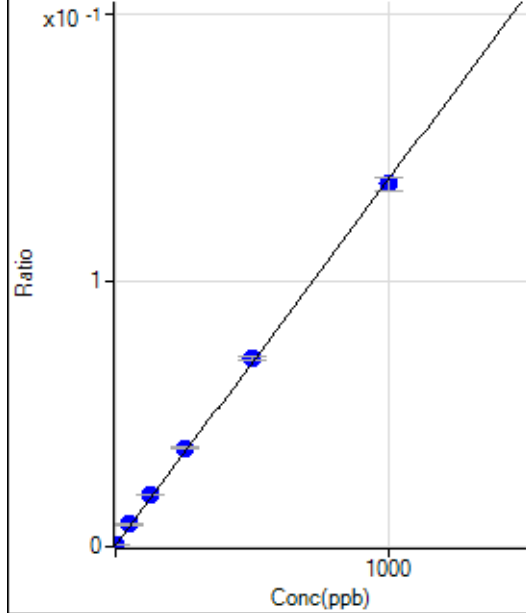
$$R = 0.9996$$

$$DL = 0.003584$$

$$BEC = 0.001193$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	4444.59	0.0004	P	4.2
2	☐	1.000	0.860	6123.36	0.0005	P	4.6
3	☐	50.000	57.613	88233.12	0.0083	P	2.9
4	☐	125.000	137.795	204400.19	0.0194	P	2.0
5	☐	250.000	266.988	393207.07	0.0371	P	2.0
6	☐	500.000	511.560	749507.28	0.0708	P	2.2
7	☐	1000.000	987.993	1432536.60	0.1363	P	3.5
8	☐			4187.08	0.0004	P	3.2

$$y = 1.3753\text{E-}004 * x + 4.2603\text{E-}004$$

$$R = 0.9997$$

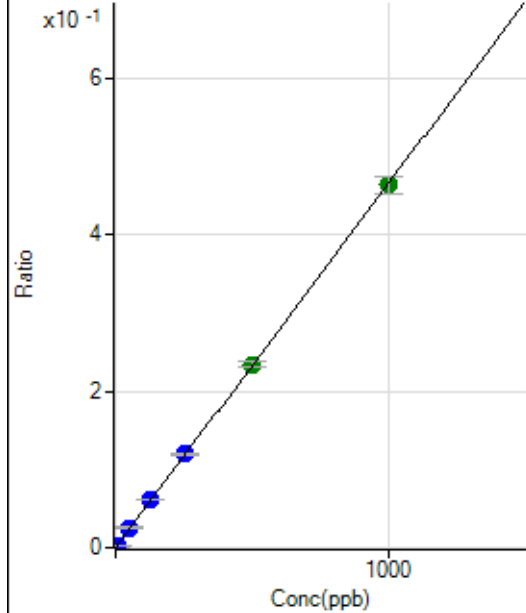
$$DL = 0.3913$$

$$BEC = 3.098$$

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	386.12	0.0000	P	8.8
2	☐	5.000	4.858	25784.96	0.0023	P	7.9
3	☐	50.000	54.644	269311.10	0.0255	P	2.8
4	☐	125.000	131.167	644744.84	0.0611	P	2.0
5	☐	250.000	256.247	1263637.54	0.1194	P	2.7
6	☐	500.000	502.203	2476862.54	0.2339	A	3.4
7	☐	1000.000	996.335	4876055.01	0.4640	A	4.7
8	☐			5862.45	0.0006	P	3.6

$$y = 4.6569\text{E-}004 * x + 3.7011\text{E-}005$$

$$R = 1.0000$$

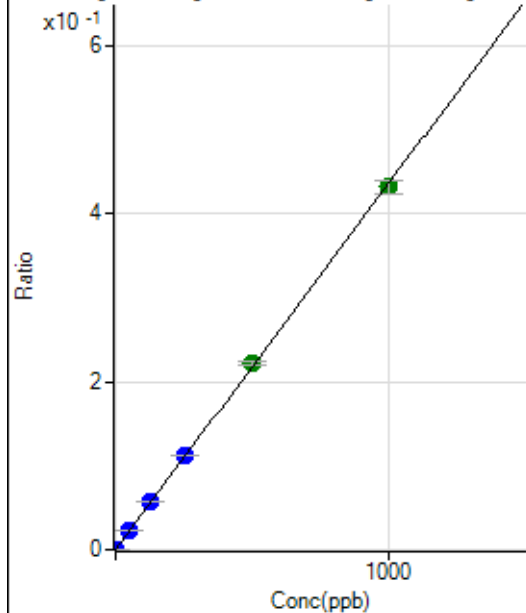
$$DL = 0.02093$$

$$BEC = 0.07947$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27.78	0.0000	P	62.5
2	☐	2.000	1.977	9695.15	0.0009	P	6.4
3	☐	50.000	54.207	249508.60	0.0236	P	3.5
4	☐	125.000	130.967	601734.39	0.0570	P	1.0
5	☐	250.000	256.652	1183384.11	0.1118	P	1.3
6	☐	500.000	511.898	2361147.86	0.2229	A	2.1
7	☐	1000.000	991.432	4538072.58	0.4318	A	3.8
8	☐			2741.99	0.0003	P	6.4

$$y = 4.3552\text{E-}004 * x + 2.6643\text{E-}006$$

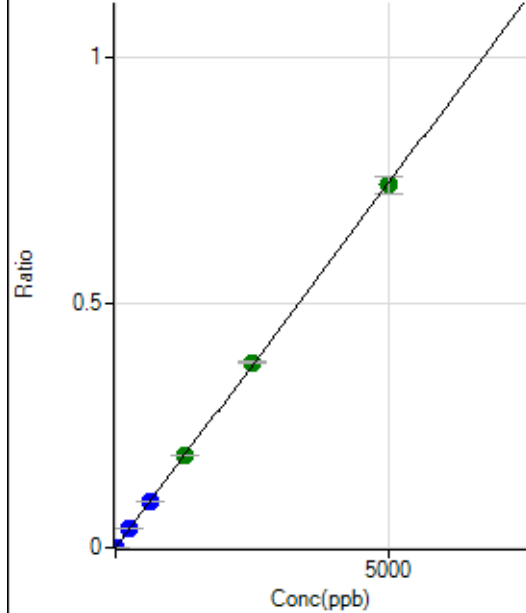
$$R = 0.9999$$

$$DL = 0.01147$$

$$BEC = 0.006117$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	11.11	0.0000	P	173.
2	☐	10.000	9.290	15480.99	0.0014	P	11.0
3	☐	250.000	263.775	414673.19	0.0392	P	3.6
4	☐	625.000	629.899	988503.86	0.0937	P	1.3
5	☐	1250.000	1265.137	1992450.70	0.1882	A	1.3
6	☐	2500.000	2539.100	4000001.09	0.3777	A	1.3
7	☐	5000.000	4975.366	7777860.76	0.7401	A	4.5
8	☐			4531.39	0.0005	P	3.8

$$y = 1.4876E-004 * x + 1.0653E-006$$

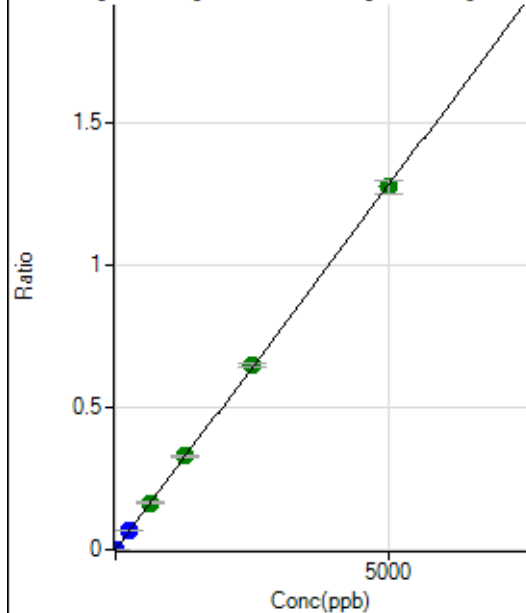
$$R = 0.9999$$

$$DL = 0.03721$$

$$BEC = 0.007161$$

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	22.22	0.0000	P	57.4
2	☐	10.000	9.278	26619.85	0.0024	P	11.8
3	☐	250.000	263.664	713939.28	0.0676	P	3.4
4	☐	625.000	644.910	1743221.85	0.1652	A	1.5
5	☐	1250.000	1279.340	3469967.29	0.3278	A	3.8
6	☐	2500.000	2526.545	6854939.56	0.6474	A	2.7
7	☐	5000.000	4976.222	13401157.85	1.2750	A	3.4
8	☐			7899.62	0.0008	P	2.9

$$y = 2.5623E-004 * x + 2.1315E-006$$

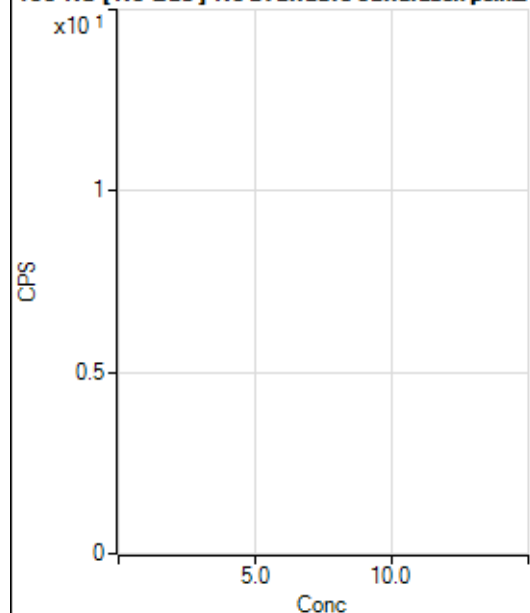
$$R = 1.0000$$

$$DL = 0.01433$$

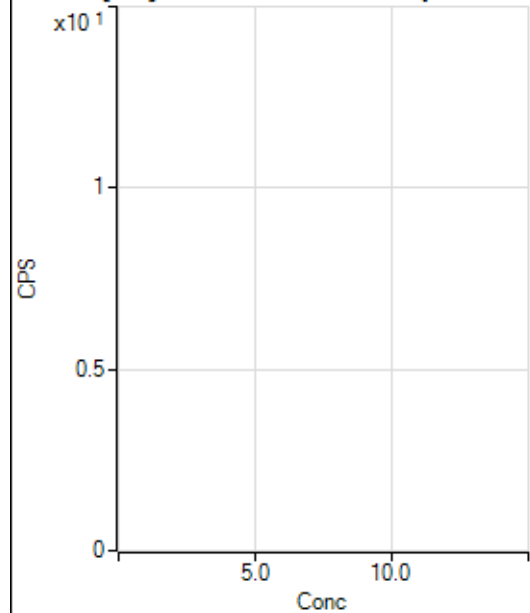
$$BEC = 0.008319$$

Weight: <None>

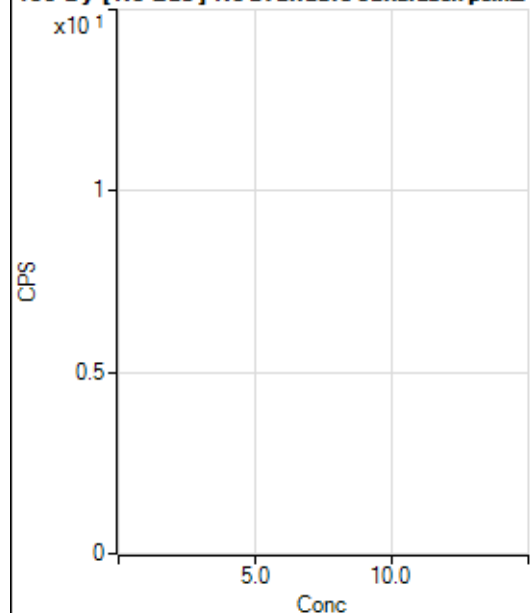
Min Conc: 0

150 Nd [No Gas] No available calibration points

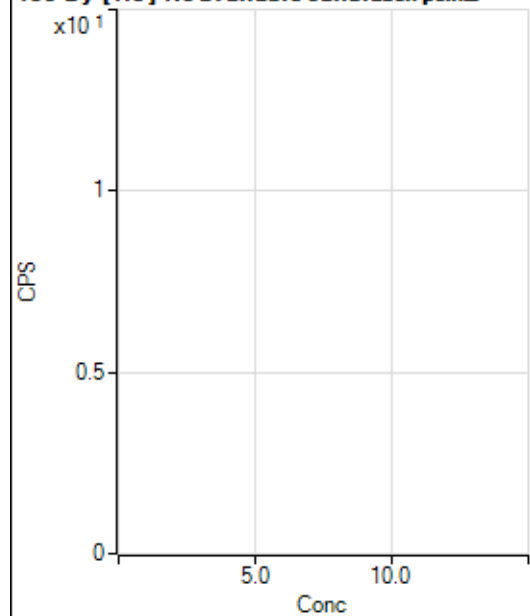
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.89		P	114.
2	☐			6.67		P	0.0
3	☐			148.89		P	18.6
4	☐			313.34		P	9.3
5	☐			553.36		P	7.3
6	☐			1168.96		P	8.8
7	☐			2369.14		P	7.1
8	☐			51.11		P	39.9

150 Nd [He] No available calibration points

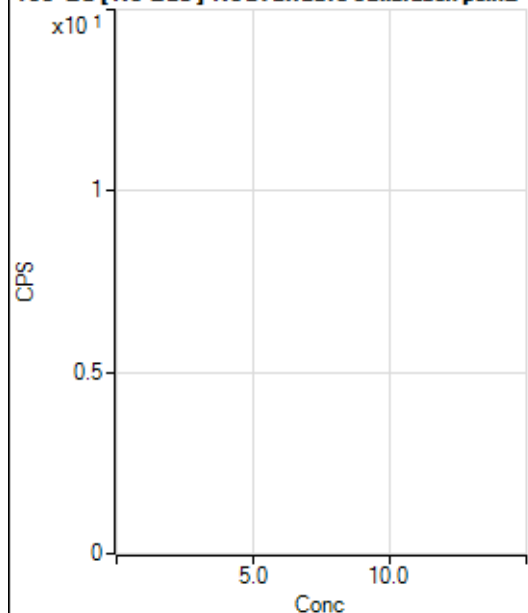
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	0.0
2	☐			5.55		P	124.
3	☐			44.44		P	4.3
4	☐			62.22		P	38.0
5	☐			167.78		P	5.7
6	☐			253.34		P	5.7
7	☐			477.79		P	5.2
8	☐			41.11		P	18.7

156 Dy [No Gas] No available calibration points

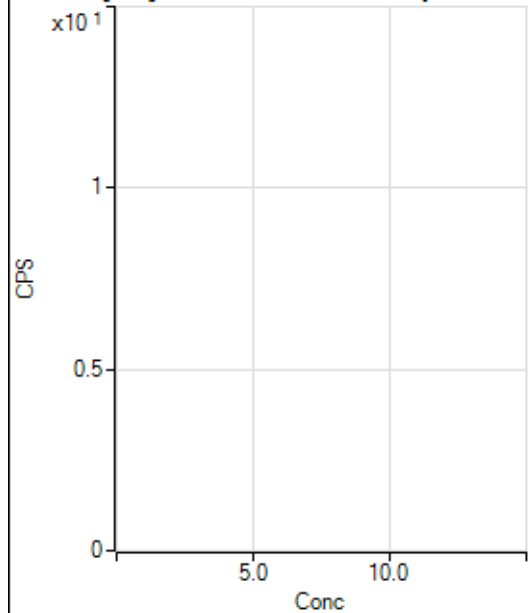
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.78		P	173.
2	☐			13.89		P	69.3
3	☐			44.45		P	21.6
4	☐			77.78		P	22.3
5	☐			155.56		P	16.4
6	☐			305.57		P	26.5
7	☐			652.81		P	14.8
8	☐			1389.00		P	10.3

156 Dy [He] No available calibration points

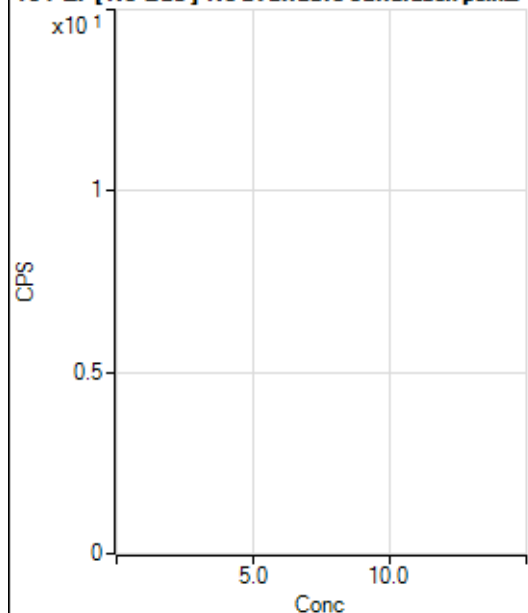
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	114.
2	☐			8.89		P	43.3
3	☐			45.56		P	21.1
4	☐			82.22		P	23.0
5	☐			155.56		P	22.9
6	☐			332.23		P	16.6
7	☐			606.68		P	2.5
8	☐			1056.72		P	4.8

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

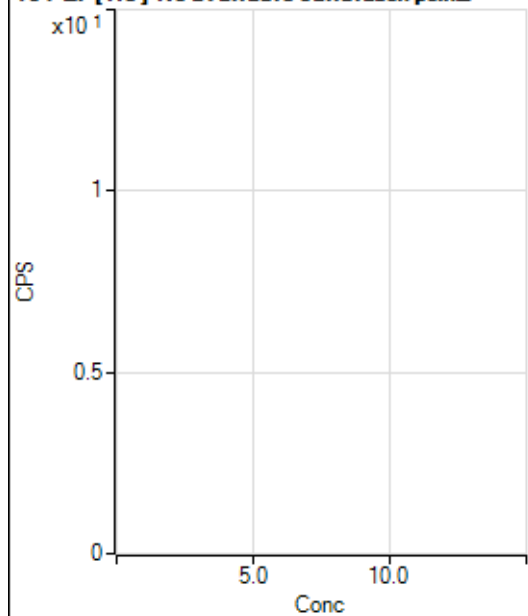
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			58.34		P	37.8
2	☐			88.89		P	28.6
3	☐			58.33		P	14.3
4	☐			91.67		P	24.1
5	☐			175.01		P	17.2
6	☐			258.34		P	6.5
7	☐			425.02		P	10.2
8	☐			1430.67		P	13.1

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			394.46		P	1.8
2	☐			423.35		P	5.9
3	☐			403.34		P	13.1
4	☐			475.57		P	11.4
5	☐			495.57		P	9.0
6	☐			531.13		P	1.6
7	☐			647.80		P	1.5
8	☐			1425.64		P	2.4

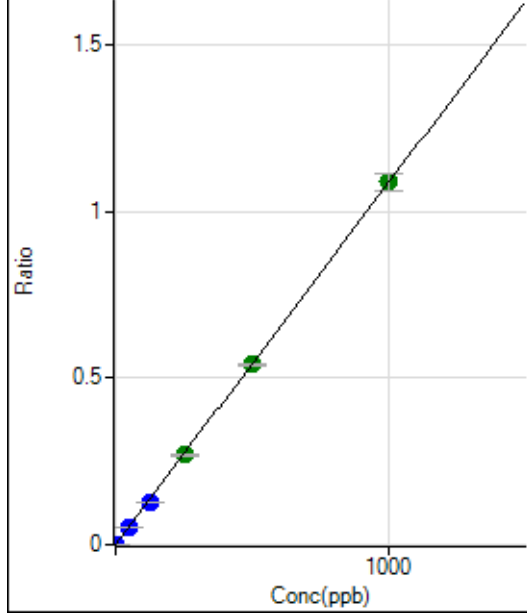
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			55.56		P	52.7
2	☐			72.23		P	37.1
3	☐			86.11		P	20.1
4	☐			77.78		P	16.4
5	☐			105.56		P	4.6
6	☐			122.23		P	23.9
7	☐			180.56		P	21.8
8	☐			138.89		P	21.1

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			60.00		P	14.7
2	☐			50.00		P	13.3
3	☐			48.89		P	35.0
4	☐			67.78		P	2.8
5	☐			78.89		P	17.1
6	☐			93.33		P	19.9
7	☐			100.00		P	6.7
8	☐			96.67		P	6.9

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	75.00	0.0000	P	33.6
2	☐	1.000	0.818	7063.13	0.0009	P	9.6
3	☐	50.000	47.777	382863.98	0.0518	P	4.3
4	☐	125.000	115.588	912910.77	0.1254	P	1.1
5	☐	250.000	248.585	1942618.21	0.2696	A	1.8
6	☐	500.000	497.942	3781193.45	0.5400	A	0.7
7	☐	1000.000	1002.671	7356204.50	1.0874	A	4.7
8	☐			1219.54	0.0002	P	15.3

$$y = 0.0011 * x + 1.0153E-005$$

$$R = 1.0000$$

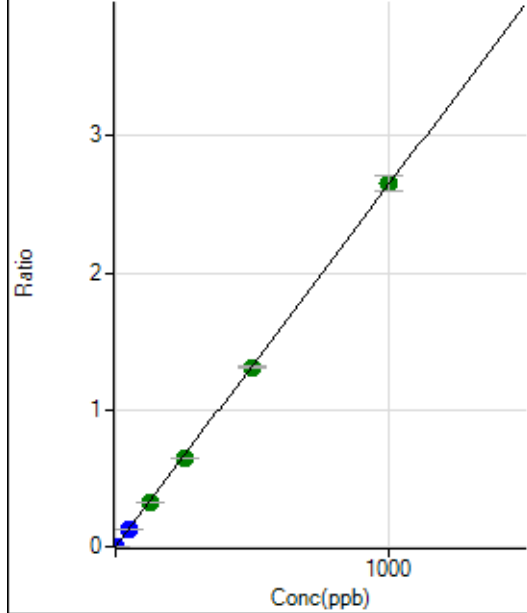
$$DL = 0.009428$$

$$BEC = 0.009362$$

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	77.78	0.0000	P	17.0
2	☐	1.000	0.835	17436.54	0.0022	P	10.0
3	☐	50.000	47.398	924614.40	0.1252	P	4.3
4	☐	125.000	121.410	2334263.22	0.3206	A	1.8
5	☐	250.000	245.691	4674558.87	0.6487	A	0.3
6	☐	500.000	497.104	9190064.62	1.3125	A	0.7
7	☐	1000.000	1003.104	17919355.96	2.6485	A	4.1
8	☐			2733.69	0.0005	P	5.2

$$y = 0.0026 * x + 1.0536E-005$$

$$R = 1.0000$$

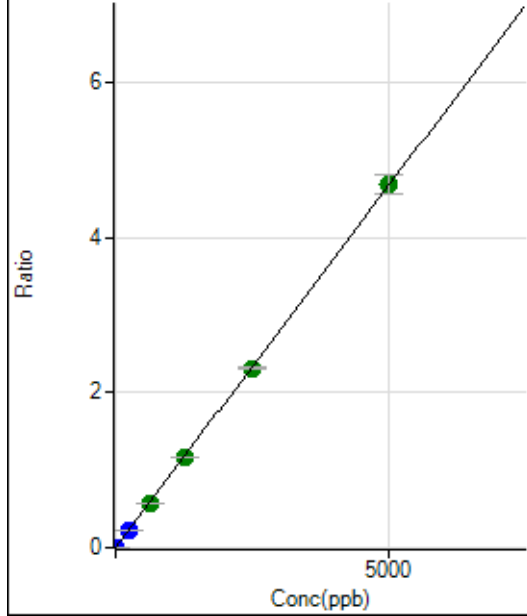
$$DL = 0.002037$$

$$BEC = 0.00399$$

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	92.59	0.0000	P	24.4
2	☐	1.000	0.819	6129.26	0.0008	P	7.2
3	☐	250.000	232.965	1607432.80	0.2176	P	4.0
4	☐	625.000	613.285	4170583.92	0.5727	A	2.2
5	☐	1250.000	1243.022	8365228.77	1.1608	A	1.0
6	☐	2500.000	2477.499	16199384.62	2.3137	A	1.1
7	☐	5000.000	5015.311	31679568.53	4.6837	A	5.3
8	☐			6512.79	0.0012	P	5.6

$$y = 9.3388\text{E-}004 * x + 1.2534\text{E-}005$$

$$R = 1.0000$$

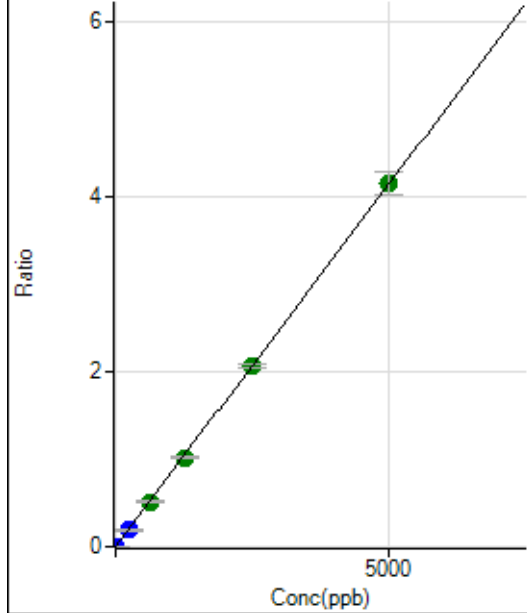
$$DL = 0.009829$$

$$BEC = 0.01342$$

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	88.89	0.0000	P	22.8
2	☐	1.000	0.774	5151.08	0.0007	P	8.7
3	☐	250.000	226.743	1388126.66	0.1879	P	4.4
4	☐	625.000	622.189	3754364.58	0.5156	A	1.6
5	☐	1250.000	1232.465	7358760.35	1.0213	A	1.0
6	☐	2500.000	2490.957	14451128.79	2.0641	A	2.3
7	☐	5000.000	5010.420	28077011.97	4.1519	A	6.3
8	☐			5251.12	0.0010	P	2.1

$$y = 8.2864\text{E-}004 * x + 1.2034\text{E-}005$$

$$R = 1.0000$$

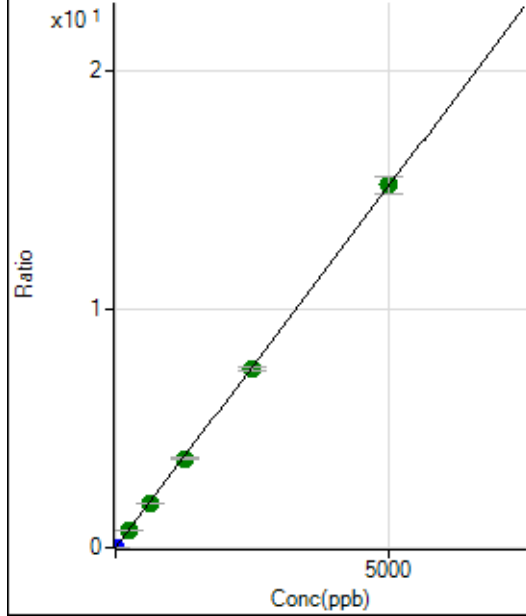
$$DL = 0.009913$$

$$BEC = 0.01452$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	310.74	0.0000	P	10.8
2	☐	1.000	0.790	19167.03	0.0024	P	10.4
3	☐	250.000	247.157	5533674.46	0.7489	A	3.6
4	☐	625.000	614.037	13548595.87	1.8606	A	1.4
5	☐	1250.000	1235.026	26966264.00	3.7422	A	0.6
6	☐	2500.000	2474.435	52492555.23	7.4977	A	2.1
7	☐	5000.000	5018.039	102850975.4	15.2050	A	5.0
8	☐			20413.24	0.0038	P	3.2

$$y = 0.0030 * x + 4.2084E-005$$

$$R = 1.0000$$

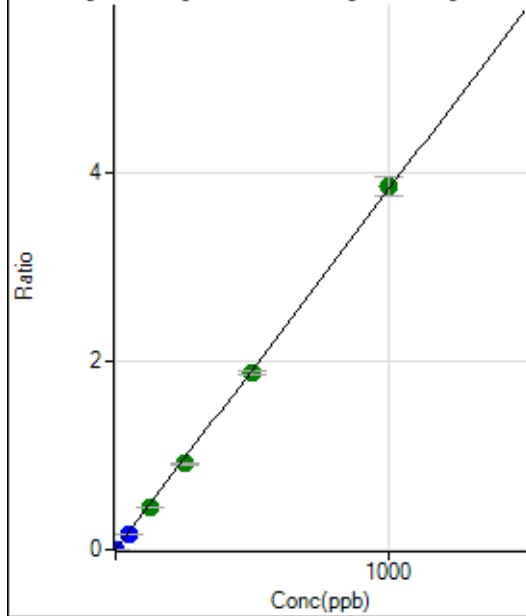
$$DL = 0.004506$$

$$BEC = 0.01389$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	49.3
2	☐	1.000	0.740	22261.42	0.0028	P	12.1
3	☐	50.000	42.643	1205106.59	0.1631	P	4.4
4	☐	125.000	118.479	3300194.08	0.4532	A	2.5
5	☐	250.000	238.968	6587942.81	0.9141	A	2.1
6	☐	500.000	491.947	13174954.11	1.8819	A	2.6
7	☐	1000.000	1007.968	26079347.46	3.8558	A	5.4
8	☐			1639.04	0.0003	P	17.0

$$y = 0.0038 * x + 2.2504E-006$$

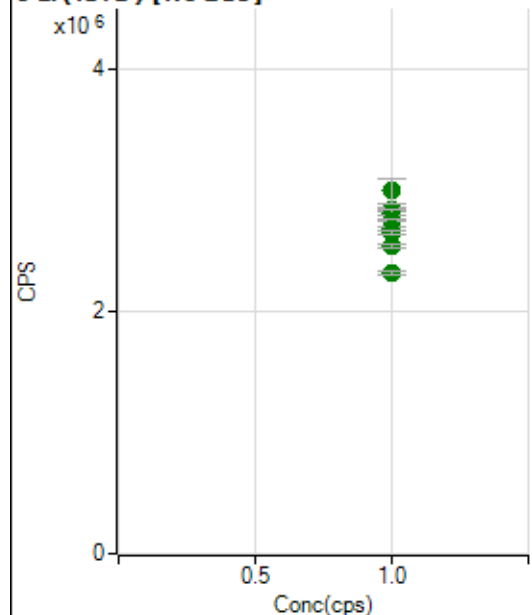
$$R = 0.9999$$

$$DL = 0.0008701$$

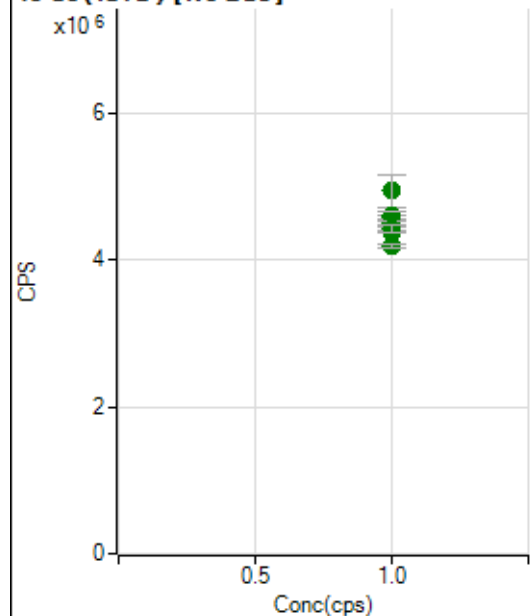
$$BEC = 0.0005883$$

Weight: <None>

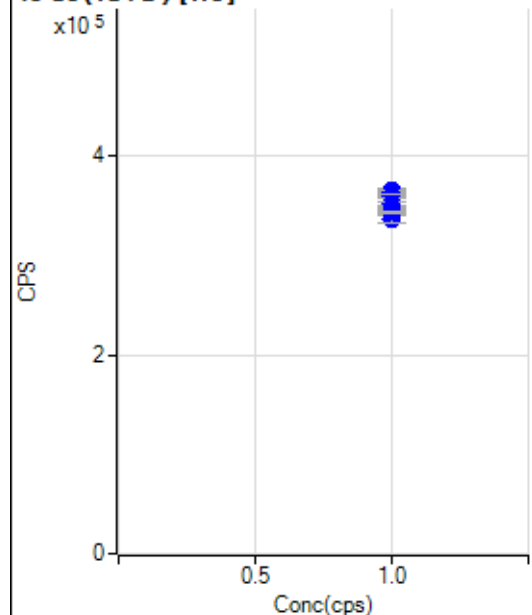
Min Conc: 0

6 Li (ISTD) [No Gas]

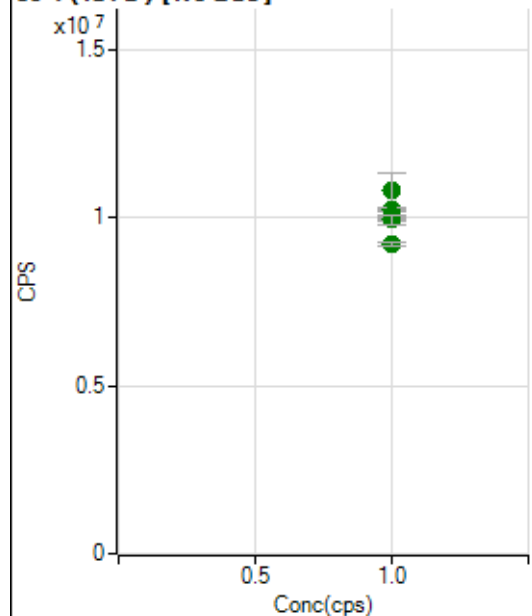
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2839534.89		A	1.2
2	☐	1.000		2996005.79		A	6.9
3	☐	1.000		2817146.24		A	1.3
4	☐	1.000		2753597.98		A	0.4
5	☐	1.000		2685456.91		A	1.4
6	☐	1.000		2650629.30		A	1.5
7	☐	1.000		2543514.25		A	1.5
8	☐	1.000		2323695.16		A	1.2

45 Sc (ISTD) [No Gas]

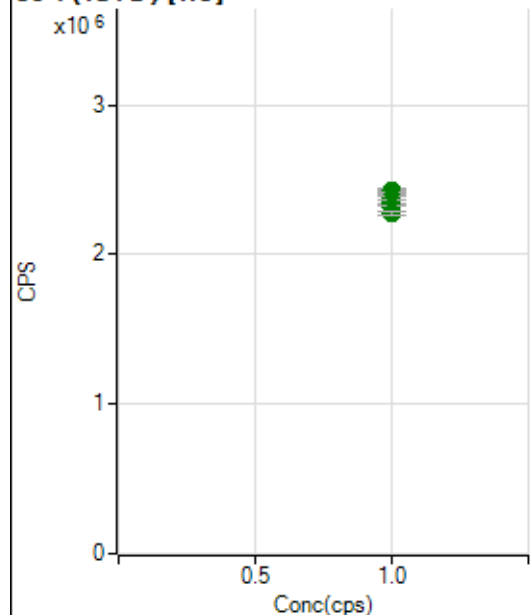
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4583998.02		A	0.9
2	☐	1.000		4939122.15		A	9.3
3	☐	1.000		4618112.74		A	2.3
4	☐	1.000		4536359.73		A	0.8
5	☐	1.000		4501278.06		A	1.8
6	☐	1.000		4373591.81		A	0.6
7	☐	1.000		4421828.06		A	2.4
8	☐	1.000		4187677.44		A	1.1

45 Sc (ISTD) [He]

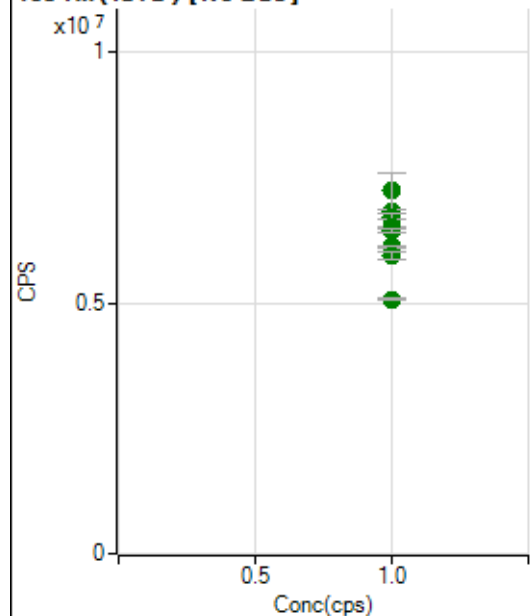
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		365282.24		P	1.2
2	☐	1.000		363079.87		P	1.6
3	☐	1.000		360162.05		P	0.6
4	☐	1.000		352877.66		P	0.9
5	☐	1.000		347667.69		P	0.9
6	☐	1.000		345120.75		P	1.2
7	☐	1.000		336637.85		P	2.2
8	☐	1.000		344426.83		P	0.5

89 Y (ISTD) [No Gas]

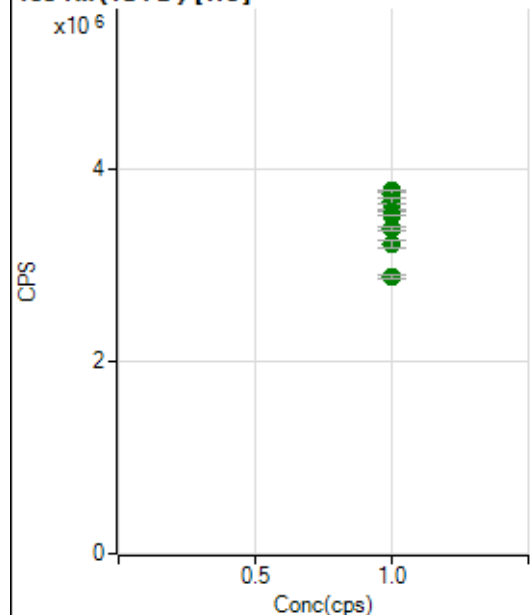
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10246986.23		A	1.4
2	☐	1.000		10792548.73		A	9.8
3	☐	1.000		10227651.72		A	0.8
4	☐	1.000		10043352.28		A	0.2
5	☐	1.000		9963847.42		A	0.4
6	☐	1.000		9975704.50		A	1.8
7	☐	1.000		9950740.69		A	2.9
8	☐	1.000		9222611.80		A	1.1

89 Y(ISTD) [He]

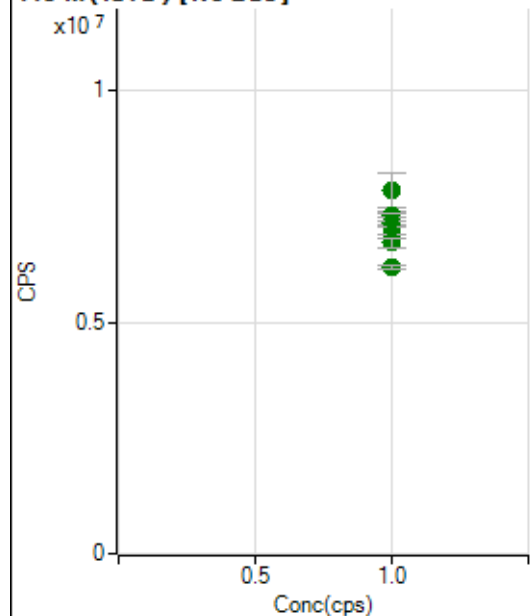
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2422433.68		A	0.4
2	☐	1.000		2424634.50		A	1.2
3	☐	1.000		2410815.80		A	0.6
4	☐	1.000		2374587.31		A	0.8
5	☐	1.000		2354644.55		A	1.1
6	☐	1.000		2343548.28		A	1.6
7	☐	1.000		2306906.86		A	1.4
8	☐	1.000		2273463.40		A	0.9

103 Rh(ISTD) [No Gas]

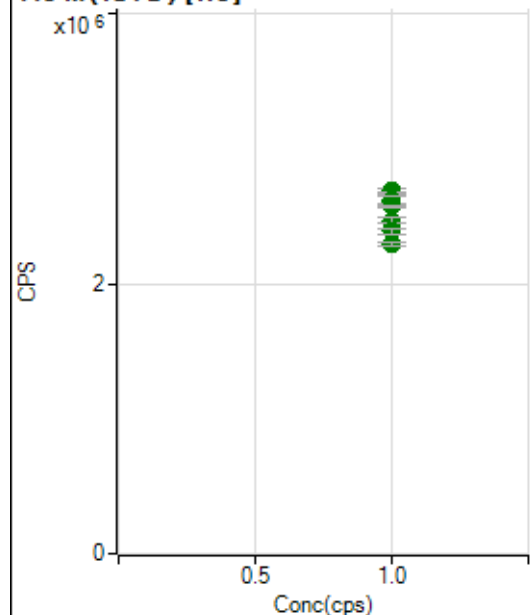
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6818864.13		A	0.9
2	☐	1.000		7229200.73		A	9.9
3	☐	1.000		6723869.69		A	1.5
4	☐	1.000		6496082.96		A	0.7
5	☐	1.000		6433353.79		A	1.4
6	☐	1.000		6115420.67		A	0.6
7	☐	1.000		5933958.80		A	2.4
8	☐	1.000		5063779.34		A	0.8

103 Rh (ISTD) [He]

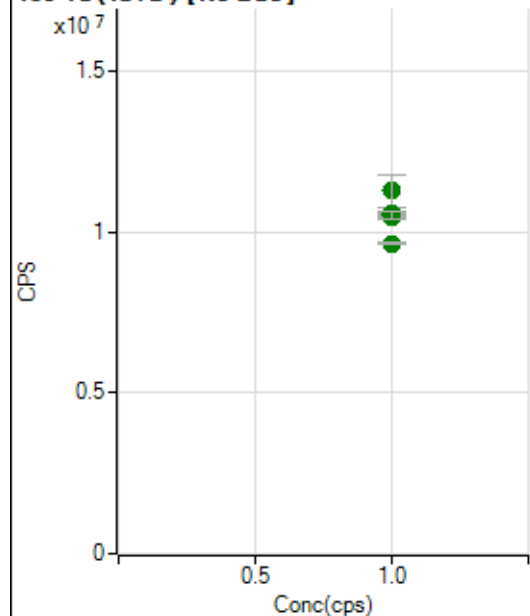
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3765659.91		A	0.7
2	☐	1.000		3726587.20		A	2.2
3	☐	1.000		3653559.01		A	1.7
4	☐	1.000		3560576.40		A	0.3
5	☐	1.000		3514824.88		A	0.1
6	☐	1.000		3369294.95		A	1.5
7	☐	1.000		3214980.82		A	2.5
8	☐	1.000		2873403.05		A	1.0

115 In (ISTD) [No Gas]

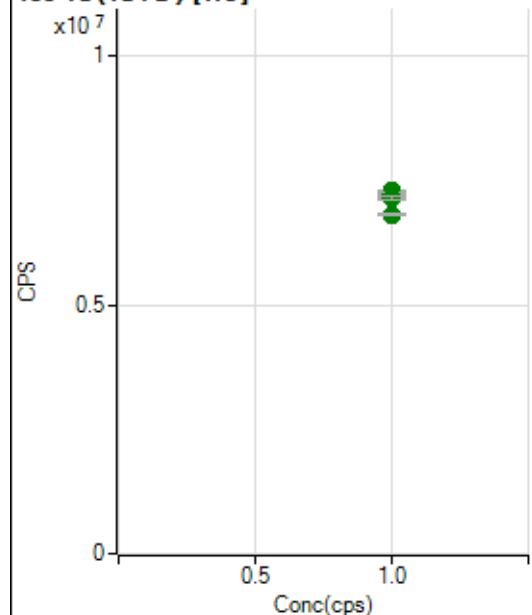
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7323194.16		A	1.4
2	☐	1.000		7834328.39		A	9.4
3	☐	1.000		7324869.72		A	1.1
4	☐	1.000		7148712.44		A	0.8
5	☐	1.000		7066141.06		A	0.3
6	☐	1.000		6887464.78		A	0.1
7	☐	1.000		6716501.09		A	2.8
8	☐	1.000		6179813.53		A	1.8

115 In (ISTD) [He]

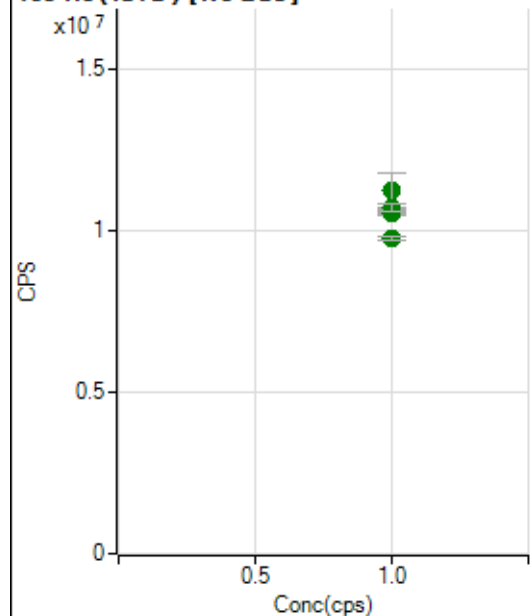
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2688571.33		A	1.3
2	☐	1.000		2672935.14		A	0.9
3	☐	1.000		2627307.73		A	2.3
4	☐	1.000		2610143.30		A	2.7
5	☐	1.000		2572536.46		A	0.5
6	☐	1.000		2470057.00		A	1.5
7	☐	1.000		2388018.50		A	2.2
8	☐	1.000		2287736.18		A	1.3

159 Tb (ISTD) [No Gas]

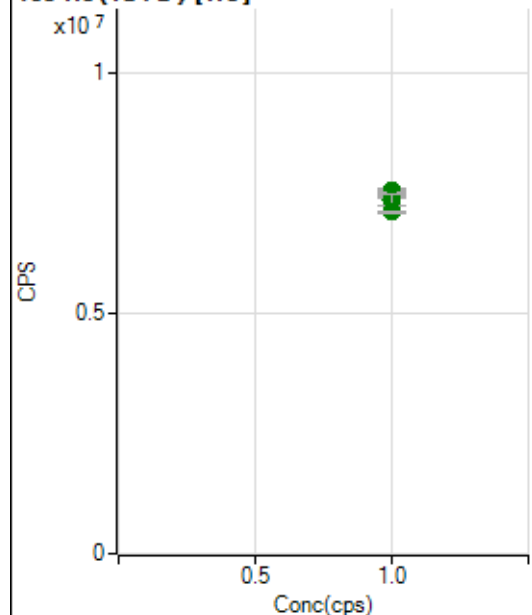
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10433051.86		A	0.2
2	☐	1.000		11267057.54		A	9.1
3	☐	1.000		10569573.10		A	0.9
4	☐	1.000		10548874.49		A	0.4
5	☐	1.000		10587067.06		A	0.8
6	☐	1.000		10590659.77		A	1.0
7	☐	1.000		10515345.12		A	2.1
8	☐	1.000		9616408.75		A	0.6

159 Tb (ISTD) [He]

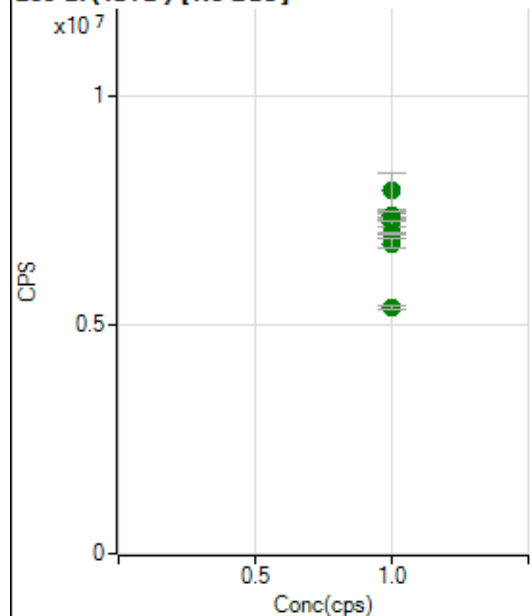
	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7177871.21		A	0.3
2	☐	1.000		7192260.59		A	1.1
3	☐	1.000		7229739.48		A	1.6
4	☐	1.000		7287560.17		A	0.6
5	☐	1.000		7253536.21		A	1.4
6	☐	1.000		7225101.70		A	0.7
7	☐	1.000		7162567.95		A	1.1
8	☐	1.000		6808195.87		A	0.8

165 Ho (ISTD) [No Gas]

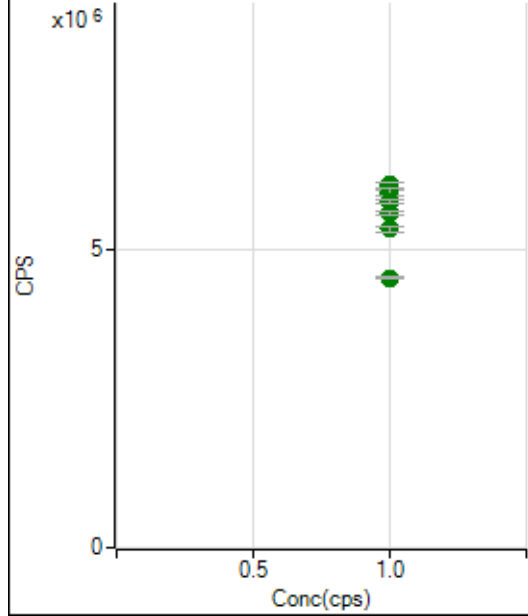
	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		10501374.57		A	0.9
2	☐	1.000		11225228.37		A	9.5
3	☐	1.000		10601989.01		A	2.3
4	☐	1.000		10559967.76		A	1.5
5	☐	1.000		10681596.09		A	0.7
6	☐	1.000		10582481.16		A	0.3
7	☐	1.000		10692277.69		A	2.0
8	☐	1.000		9732239.58		A	1.2

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7509379.54		A	2.1
2	☐	1.000		7487234.61		A	1.5
3	☐	1.000		7481204.33		A	0.4
4	☐	1.000		7529103.29		A	1.5
5	☐	1.000		7548032.87		A	0.9
6	☐	1.000		7464263.64		A	1.4
7	☐	1.000		7354765.93		A	3.1
8	☐	1.000		7107188.23		A	0.3

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7388197.46		A	0.8
2	☐	1.000		7920998.49		A	10.0
3	☐	1.000		7393109.13		A	2.6
4	☐	1.000		7282146.49		A	0.6
5	☐	1.000		7206113.16		A	1.5
6	☐	1.000		7001968.37		A	0.8
7	☐	1.000		6771600.39		A	3.3
8	☐	1.000		5368420.55		A	1.2

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6051706.30		A	1.9
2	☐	1.000		6067197.41		A	1.4
3	☐	1.000		5931842.97		A	1.2
4	☐	1.000		5946140.95		A	2.1
5	☐	1.000		5780484.36		A	1.0
6	☐	1.000		5594910.61		A	0.9
7	☐	1.000		5328565.68		A	1.6
8	☐	1.000		4510106.08		A	1.0