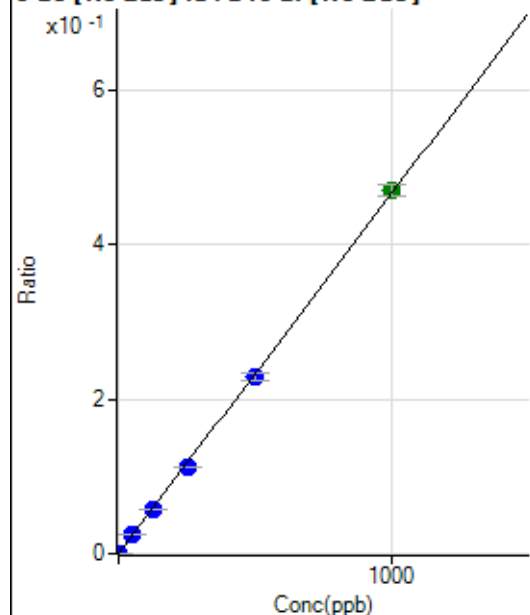


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8123121-MS.b\
Analysis File: P8123121-MS.batch.bin
DA Date-Time: 2022-01-12 14:35:35
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	005CALB.d	S00	2021-12-31 11:19:23
2	007CALS.d	S02	2021-12-31 11:25:32
3	008CALS.d	S03	2021-12-31 11:28:38
4	009CALS.d	S04	2021-12-31 11:31:41
5	010CALS.d	S05	2021-12-31 11:34:47
6	011CALS.d	S06	2021-12-31 11:37:50
7	012CALS.d	S07	2021-12-31 11:40:56
8	013CALS.d	S08	2021-12-31 11:44:00

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	41.99	0.0000	P	18.2
2	☐	1.000	0.942	1124.49	0.0005	P	3.4
3	☐	50.000	52.800	57459.49	0.0246	P	7.6
4	☐	125.000	123.657	144197.01	0.0576	P	1.1
5	☐	250.000	238.176	288957.52	0.1109	P	0.3
6	☐	500.000	490.647	616462.67	0.2285	P	3.7
7	☐	1000.000	1007.661	1217582.60	0.4693	A	3.2
8	☐			1048.52	0.0004	P	60.4

$$y = 4.6570\text{E-}004 * x + 1.7349\text{E-}005$$

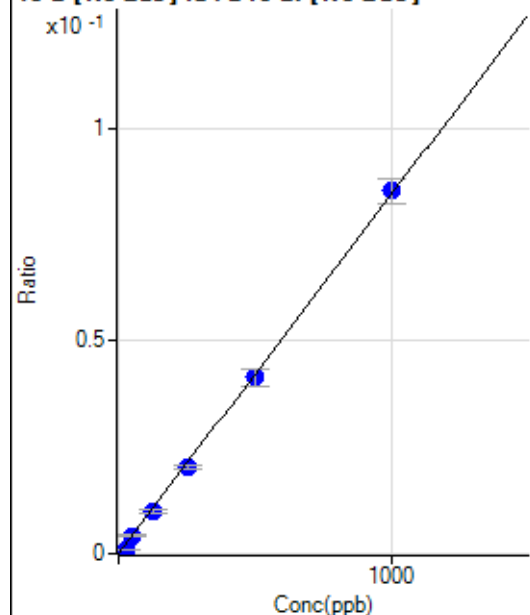
$$R = 0.9998$$

$$DL = 0.02037$$

$$BEC = 0.03725$$

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	173.97	0.0001	P	10.7
2	☐	25.000	11.171	2500.39	0.0010	P	2.5
3	☐	50.000	48.369	9669.98	0.0042	P	13.7
4	☐	125.000	116.926	24876.26	0.0099	P	6.9
5	☐	250.000	239.350	52815.27	0.0203	P	4.7
6	☐	500.000	489.267	111456.25	0.0414	P	10.2
7	☐	1000.000	1009.466	221125.18	0.0853	P	6.7
8	☐			34076.15	0.0128	P	7.0

$$y = 8.4401\text{E-}005 * x + 7.1723\text{E-}005$$

$$R = 0.9998$$

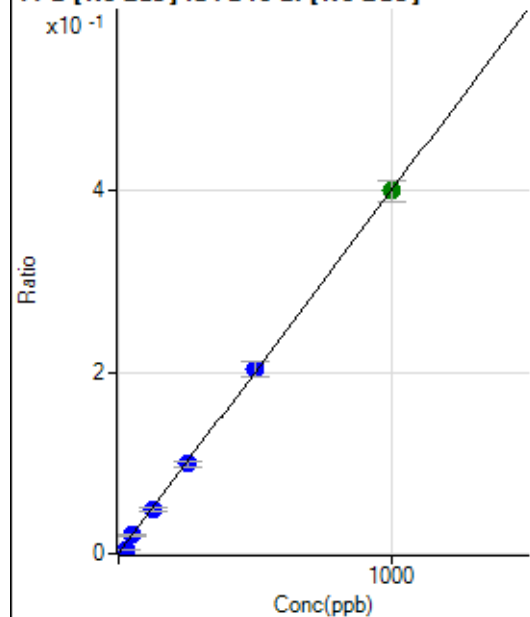
$$DL = 0.272$$

$$BEC = 0.8498$$

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	806.53	0.0003	P	3.7
2	☐	25.000	11.589	12244.06	0.0050	P	2.7
3	☐	50.000	50.504	47737.87	0.0205	P	15.3
4	☐	125.000	119.950	120817.01	0.0483	P	7.3
5	☐	250.000	247.064	258209.77	0.0991	P	6.2
6	☐	500.000	506.844	546980.31	0.2030	P	8.8
7	☐	1000.000	998.253	1035859.98	0.3994	A	5.8
8	☐			161199.18	0.0607	P	6.4

$$y = 3.9978\text{E-}004 * x + 3.3264\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.09132$$

$$BEC = 0.8321$$

Weight: <None>

Min Conc: 0

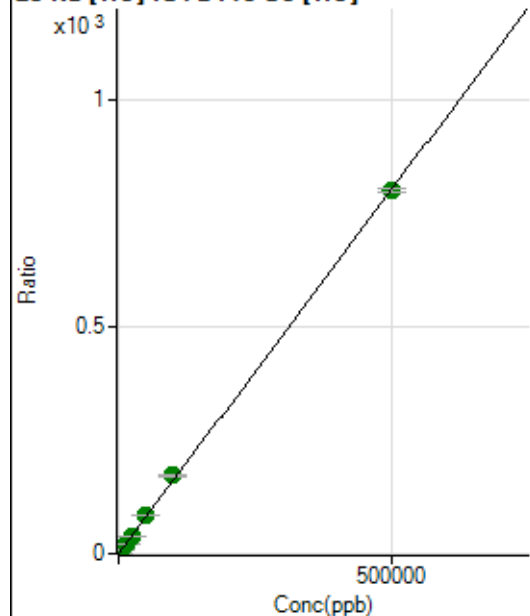
12 C [No Gas] No available calibration points



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4800349.63		A	1.0
2	☐			4840866.51		A	2.9
3	☐			5053599.64		A	2.4
4	☐			5123459.49		A	2.0
5	☐			5548993.39		A	2.5
6	☐			6090573.66		A	5.7
7	☐			6798936.52		A	2.4
8	☐			6081430.78		A	0.7

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			45744.38		P	1.2
2	☐			47318.88		P	1.0
3	☐			49420.06		P	0.4
4	☐			49860.30		P	0.8
5	☐			53598.61		P	1.7
6	☐			64210.62		P	0.5
7	☐			72312.03		P	1.9
8	☐			62338.38		P	1.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	10798.71	0.0716	P	1.3
2	☐	500.000	449.589	121860.21	0.7923	P	2.0
3	☐	5000.000	5249.803	1260306.26	8.4865	A	4.0
4	☐	12500.000	12813.162	3023462.57	20.6098	A	1.3
5	☐	25000.000	24407.652	5929338.98	39.1947	A	5.1
6	☐	50000.000	52576.751	12384595.76	84.3469	A	2.1
7	☐	100000.00	107364.15	23768658.00	172.1656	A	2.1
8	☐	500000.00	498288.83	113299917.8	798.7787	A	1.0

$$y = 0.0016 * x + 0.0716$$

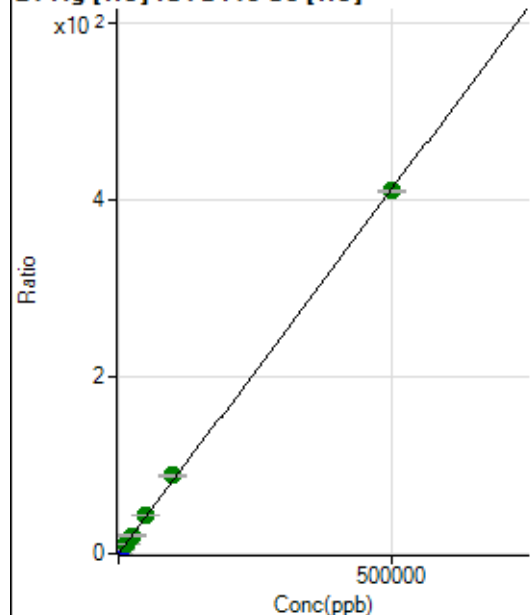
$$R = 0.9999$$

$$DL = 1.729$$

$$BEC = 44.69$$

Weight: <None>

Min Conc: 0

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

$$y = 8.2360E-004 * x + 0.0032$$

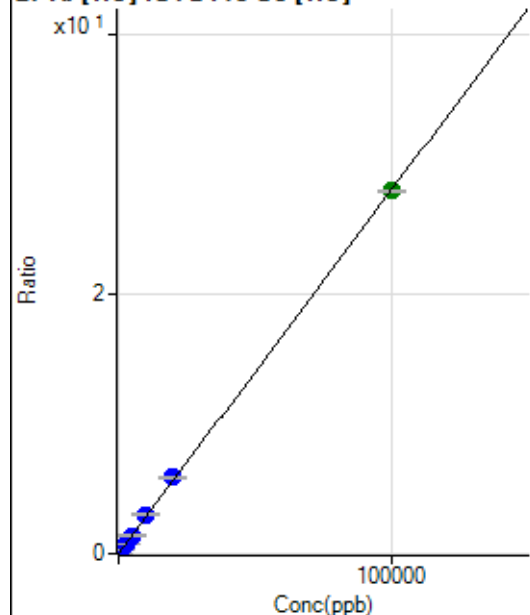
$$R = 0.9999$$

$$DL = 1.92$$

$$BEC = 3.891$$

Weight: <None>

Min Conc: 0

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

$$y = 2.7977E-004 * x + 4.5868E-004$$

$$R = 0.9999$$

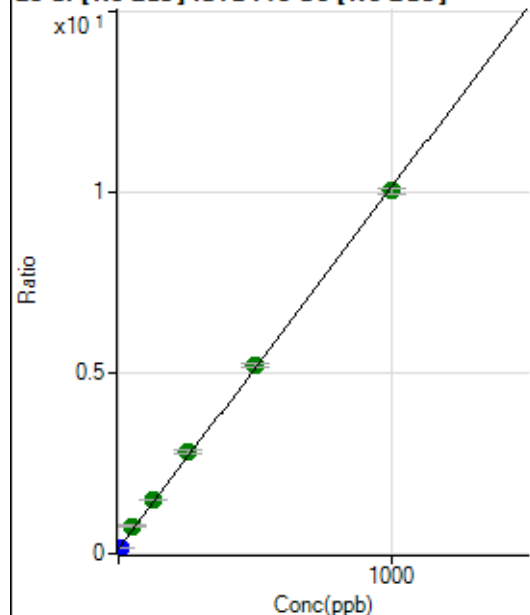
$$DL = 0.2341$$

$$BEC = 1.639$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	664779.53	0.1469	P	1.2
2	☐	10.000	0.853	704237.75	0.1554	P	2.0
3	☐	50.000	62.350	3154546.25	0.7700	A	8.8
4	☐	125.000	135.359	6859394.77	1.4998	A	1.2
5	☐	250.000	267.580	13013514.62	2.8213	A	3.0
6	☐	500.000	506.843	24656722.25	5.2128	A	1.5
7	☐	1000.000	990.362	45795860.40	10.0455	A	1.8
8	☐			1330324.56	0.2848	A	2.1

$$y = 0.0100 * x + 0.1469$$

$$R = 0.9996$$

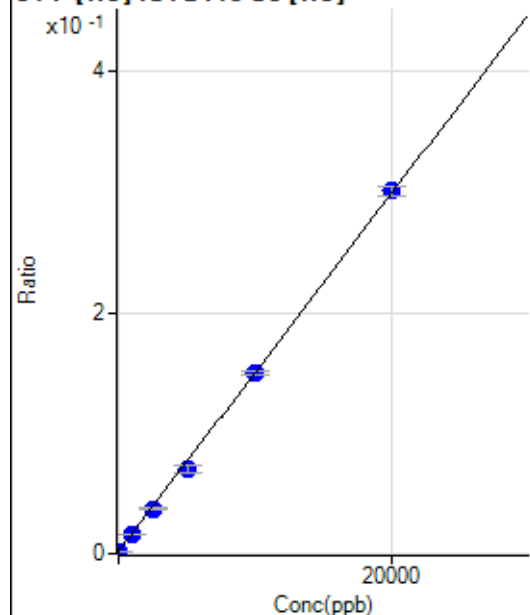
$$DL = 0.5354$$

$$BEC = 14.69$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	-1.964	286.12	0.0019	P	8.4
2	☐	0.000	1.964	300.01	0.0020	P	22.8
3	☐	1000.000	985.216	2458.61	0.0165	P	1.2
4	☐	2500.000	2385.308	5473.39	0.0373	P	3.2
5	☐	5000.000	4622.149	10651.39	0.0705	P	9.2
6	☐	10000.000	9934.497	21928.21	0.1493	P	2.5
7	☐	20000.000	20142.290	41510.20	0.3008	P	2.5
8	☐			280.56	0.0020	P	7.6

$$y = 1.4837E-005 * x + 0.0019$$

$$R = 0.9998$$

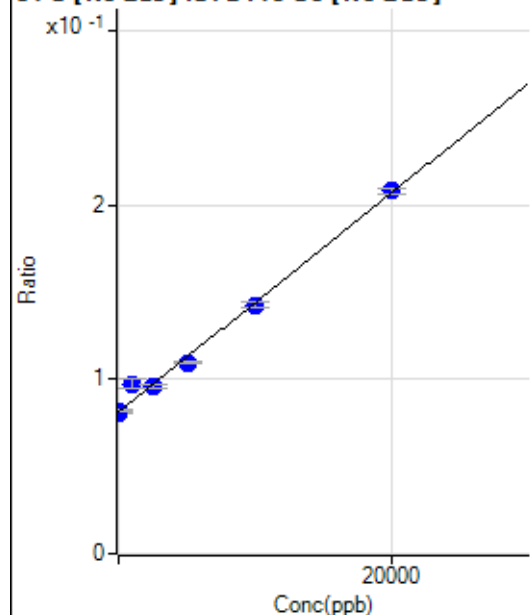
$$DL = 61.16$$

$$BEC = 129.9$$

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	-126.601	364470.49	0.0805	P	1.1
2	☐	0.000	126.601	372093.47	0.0821	P	2.5
3	☐	1000.000	2583.194	399946.77	0.0975	P	6.7
4	☐	2500.000	2344.540	439073.90	0.0960	P	2.2
5	☐	5000.000	4501.128	505470.13	0.1096	P	1.2
6	☐	10000.000	9783.266	675060.38	0.1427	P	2.5
7	☐	20000.000	20173.358	948088.42	0.2080	P	1.9
8	☐			335930.69	0.0719	P	1.1

$$y = 6.2780E-006 * x + 0.0813$$

$$R = 0.9957$$

$$DL = 705.4$$

$$BEC = 1.295E+04$$

Weight: <None>

Min Conc: 0

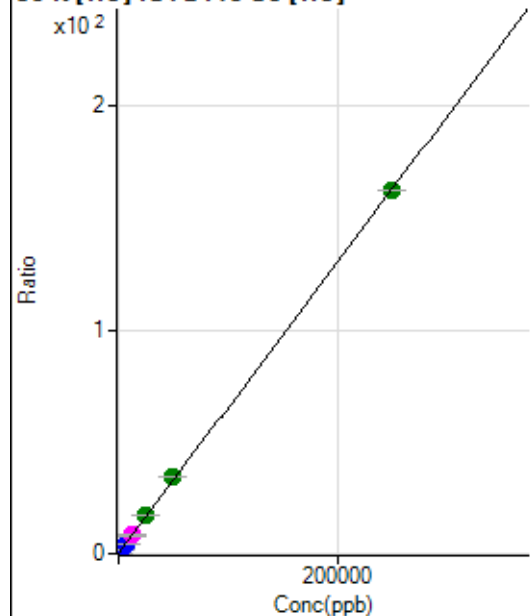
35 Cl [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			276147.27		P	1.1
2	☐			248366.05		P	1.2
3	☐			229241.84		P	1.5
4	☐			224520.11		P	1.0
5	☐			228540.47		P	0.9
6	☐			223368.73		P	1.4
7	☐			233840.69		P	0.6
8	☐			239182.95		P	0.5

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			1936.30		P	6.3
2	☐			1675.14		P	3.6
3	☐			1658.47		P	1.3
4	☐			1589.02		P	5.5
5	☐			1516.79		P	18.7
6	☐			1400.10		P	5.7
7	☐			1561.24		P	9.3
8	☐			1539.01		P	5.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	19638.84	0.1303	P	2.8
2	☐	500.000	446.345	64609.15	0.4201	P	2.4
3	☐	2500.000	2531.630	263497.41	1.7741	P	3.0
4	☐	6250.000	6251.095	614558.22	4.1891	P	1.0
5	☐	12500.000	12367.487	1234775.88	8.1605	M	5.3
6	☐	25000.000	26230.634	2519810.54	17.1619	A	2.6
7	☐	50000.000	52529.884	4726421.59	34.2380	A	1.0
8	☐	250000.00	249377.34	22987147.39	162.0514	A	0.0

$$y = 6.4930E-004 * x + 0.1303$$

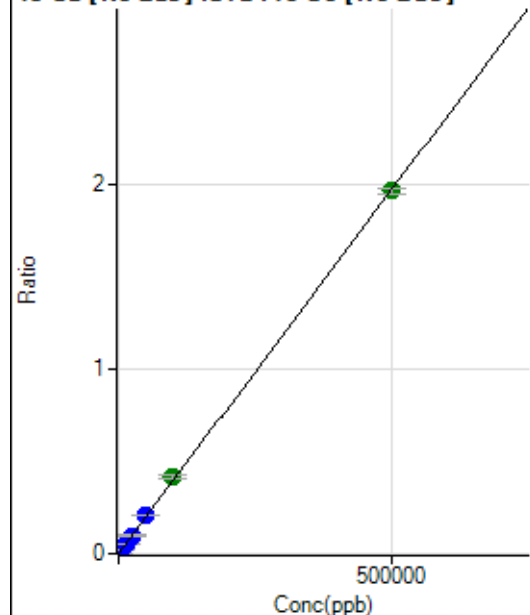
$$R = 0.9999$$

$$DL = 16.6$$

$$BEC = 200.6$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	592.86	0.0001	P	2.7
2	☐	500.000	443.433	8523.16	0.0019	P	1.8
3	☐	5000.000	5486.032	89196.23	0.0218	P	8.7
4	☐	12500.000	12221.075	221064.45	0.0483	P	0.9
5	☐	25000.000	25001.893	455601.69	0.0988	P	1.3
6	☐	50000.000	52389.905	978104.50	0.2068	P	2.3
7	☐	100000.00	105688.22	1901268.16	0.4171	A	2.9
8	☐	500000.00	498625.44	9188754.33	1.9671	A	1.7

$$y = 3.9448\text{E-}006 * x + 1.3098\text{E-}004$$

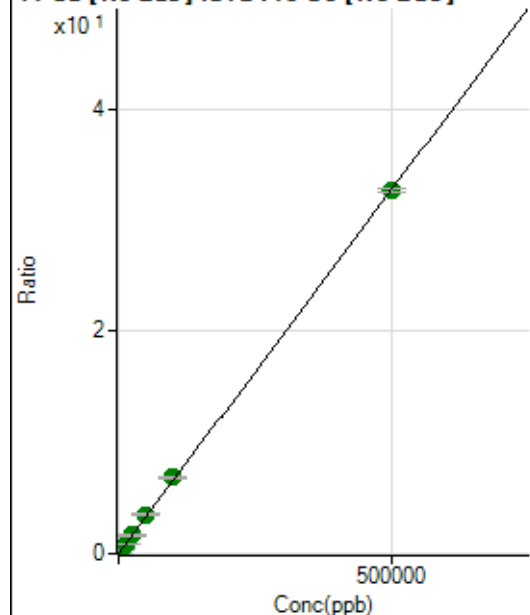
$$R = 0.9999$$

$$DL = 2.731$$

$$BEC = 33.2$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	19517.61	0.0043	P	0.2
2	☐	500.000	444.720	151558.62	0.0334	P	2.3
3	☐	5000.000	5733.689	1556698.28	0.3799	A	8.2
4	☐	12500.000	12701.187	3824386.86	0.8363	A	0.9
5	☐	25000.000	25099.935	7606067.12	1.6484	A	1.7
6	☐	50000.000	53627.829	16637236.83	3.5171	A	2.7
7	☐	100000.00	104853.93	31328286.51	6.8725	A	2.5
8	☐	500000.00	498649.12	152594027.6	32.6670	A	1.0

$$y = 6.5502\text{E-}005 * x + 0.0043$$

$$R = 0.9999$$

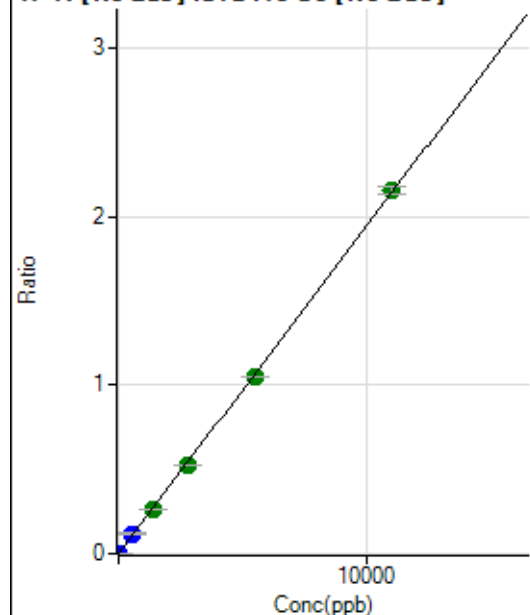
$$DL = 0.4477$$

$$BEC = 65.82$$

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	241.67	0.0001	P	14.1
2	☐	5.000	4.758	4439.69	0.0010	P	4.8
3	☐	550.000	598.873	477850.37	0.1167	P	9.0
4	☐	1375.000	1348.209	1200916.02	0.2626	A	1.2
5	☐	2750.000	2691.824	2418546.62	0.5242	A	0.8
6	☐	5500.000	5406.036	4980045.12	1.0527	A	0.3
7	☐	11000.000	11062.431	9819856.12	2.1541	A	2.0
8	☐			6216.68	0.0013	P	62.2

$$y = 1.9472\text{E-}004 * x + 5.3404\text{E-}005$$

$$R = 0.9999$$

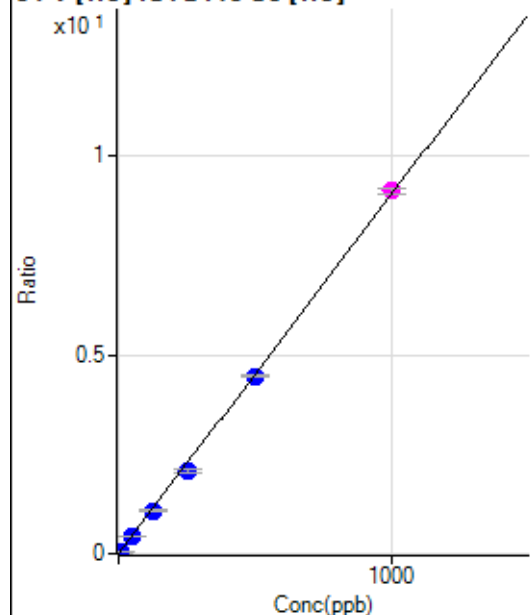
$$DL = 0.1157$$

$$BEC = 0.2743$$

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	5.55	0.0000	P	125.1
2	☐	5.000	4.443	6181.40	0.0402	P	0.8
3	☐	50.000	48.519	65100.45	0.4384	P	4.6
4	☐	125.000	119.935	158979.50	1.0836	P	0.9
5	☐	250.000	230.914	315505.77	2.0863	P	5.9
6	☐	500.000	492.928	653936.66	4.4536	P	1.3
7	☐	1000.000	1009.018	1258666.40	9.1165	M	1.3
8	☐			427.79	0.0030	P	4.7

$$y = 0.0090 * x + 3.7011\text{E-}005$$

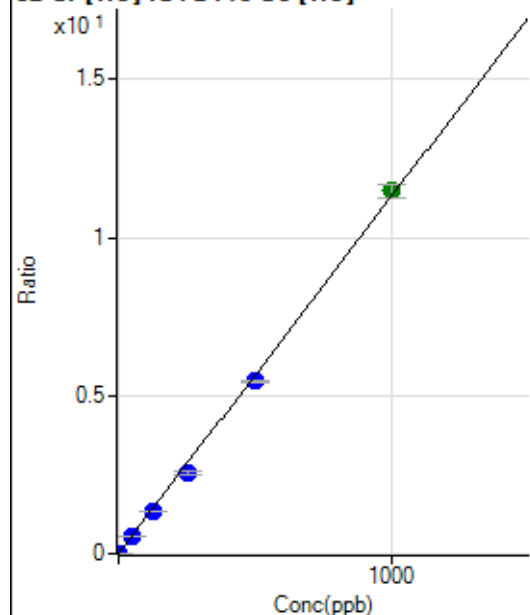
$$R = 0.9998$$

$$DL = 0.01537$$

$$BEC = 0.004096$$

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	692.25	0.0046	P	4.4
2	☐	2.000	1.786	3807.21	0.0248	P	6.7
3	☐	50.000	47.776	80855.77	0.5443	P	2.1
4	☐	125.000	118.093	196390.51	1.3387	P	1.5
5	☐	250.000	226.780	388226.18	2.5665	P	5.3
6	☐	500.000	483.232	802260.13	5.4637	P	0.8
7	☐	1000.000	1015.164	1583130.83	11.4730	A	3.5
8	☐			4707.49	0.0332	P	1.3

$$y = 0.0113 * x + 0.0046$$

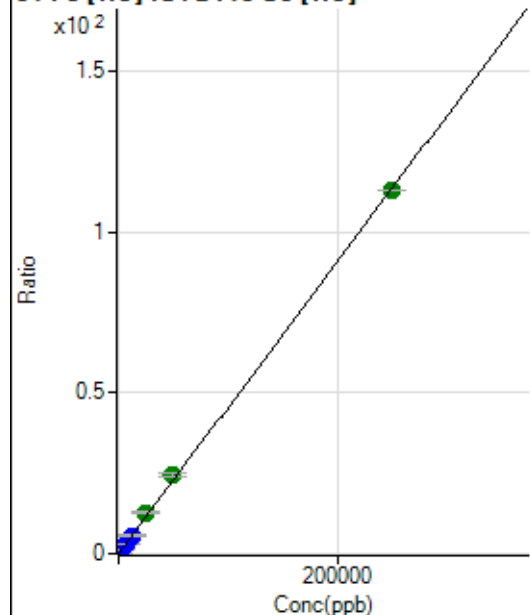
$$R = 0.9995$$

$$DL = 0.05357$$

$$BEC = 0.4064$$

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	525.94	0.0035	P	10.6
2	☐	50.000	48.299	3904.30	0.0254	P	6.9
3	☐	2500.000	2594.424	175304.53	1.1804	P	3.5
4	☐	6250.000	6364.942	424104.63	2.8908	P	0.7
5	☐	12500.000	12369.927	849144.10	5.6148	P	5.9
6	☐	25000.000	28168.038	1876555.92	12.7812	A	1.4
7	☐	50000.000	54235.151	3395487.86	24.6058	A	3.9
8	☐	250000.00	248838.85	16012505.22	112.8827	A	0.2

$$y = 4.5362E-004 * x + 0.0035$$

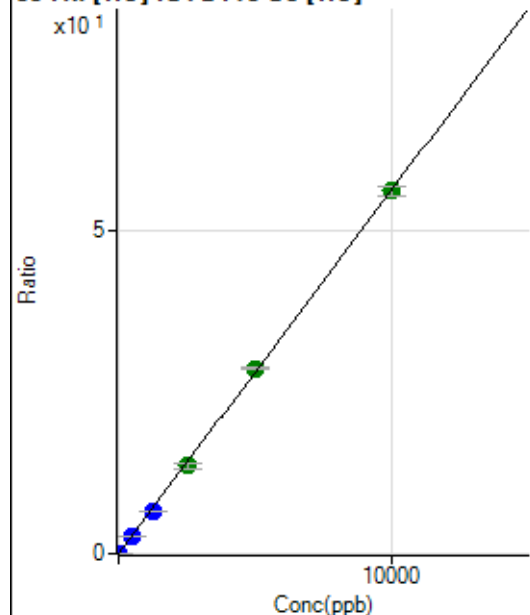
$$R = 0.9998$$

$$DL = 2.439$$

$$BEC = 7.691$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	46.67	0.0003	P	28.4
2	☐	1.000	0.993	905.60	0.0059	P	4.1
3	☐	500.000	477.129	397767.63	2.6783	P	3.6
4	☐	1250.000	1184.009	975023.30	6.6457	P	0.5
5	☐	2500.000	2422.856	2056566.59	13.5989	A	5.9
6	☐	5000.000	5092.304	4196655.95	28.5816	A	1.1
7	☐	10000.000	9982.527	7734324.68	56.0287	A	2.9
8	☐			5787.93	0.0408	P	3.3

$$y = 0.0056 * x + 3.0943E-004$$

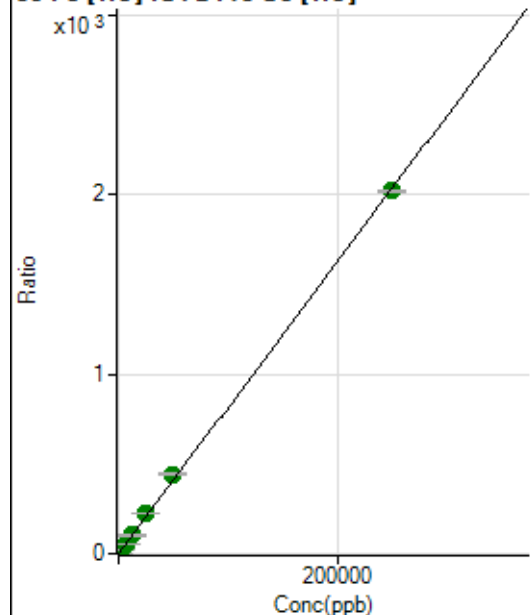
$$R = 0.9999$$

$$DL = 0.04705$$

$$BEC = 0.05513$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	3204.12	0.0213	P	2.6
2	☐	50.000	46.970	61945.19	0.4027	P	2.4
3	☐	2500.000	2701.238	3262443.88	21.9596	A	1.2
4	☐	6250.000	6572.208	7833927.20	53.3981	A	1.8
5	☐	12500.000	12946.339	15899537.04	105.1663	A	6.6
6	☐	25000.000	27488.379	32783621.80	223.2711	A	0.3
7	☐	50000.000	54171.282	60743049.04	439.9791	A	2.2
8	☐	250000.00	248884.52	286744473.0	2.021.363	A	0.7

$$y = 0.0081 * x + 0.0213$$

$$R = 0.9998$$

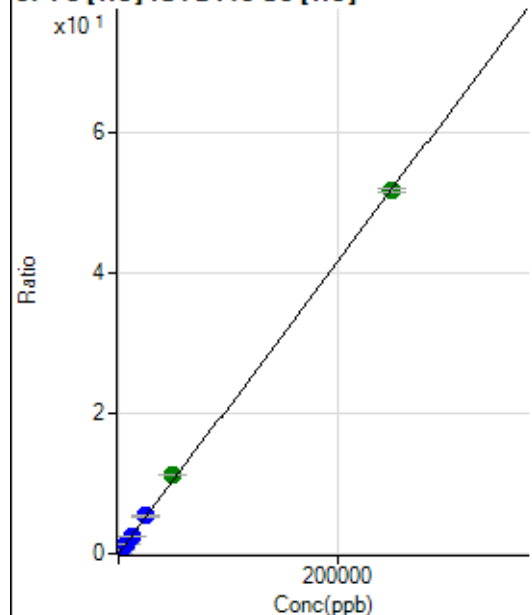
$$DL = 0.2077$$

$$BEC = 2.617$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	255.56	0.0017	P	4.3
2	☐	50.000	47.578	1777.92	0.0116	P	1.7
3	☐	2500.000	2529.964	78127.96	0.5259	P	2.0
4	☐	6250.000	6232.411	189713.70	1.2931	P	0.5
5	☐	12500.000	12141.693	380650.87	2.5175	P	6.4
6	☐	25000.000	25813.420	785590.95	5.3504	P	0.8
7	☐	50000.000	54174.092	1549888.59	11.2269	A	1.5
8	☐	250000.00	249101.89	7321537.03	51.6170	A	1.2

$$y = 2.0721\text{E-}004 * x + 0.0017$$

R = 0.9998

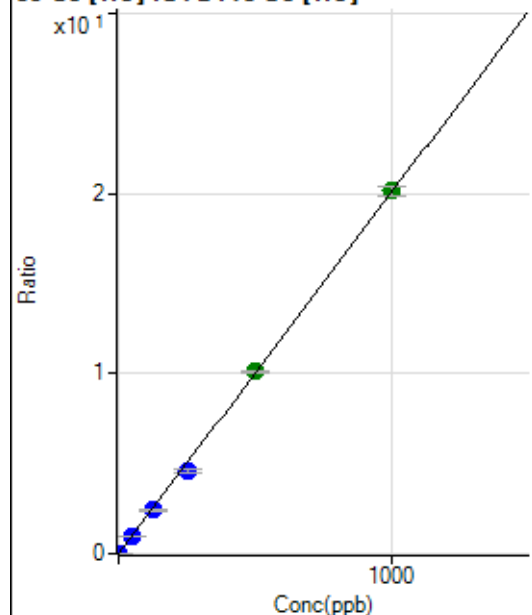
DL = 1.05

BEC = 8.183

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.55	0.0004	P	19.3
2	☐	1.000	0.897	2826.98	0.0184	P	1.4
3	☐	50.000	48.306	144057.07	0.9699	P	2.8
4	☐	125.000	120.037	353471.79	2.4095	P	1.3
5	☐	250.000	227.226	689886.72	4.5608	P	5.3
6	☐	500.000	504.851	1487880.12	10.1327	A	1.2
7	☐	1000.000	1003.973	2781064.78	20.1501	A	2.6
8	☐			4362.93	0.0308	P	2.4

$$y = 0.0201 * x + 3.6853\text{E-}004$$

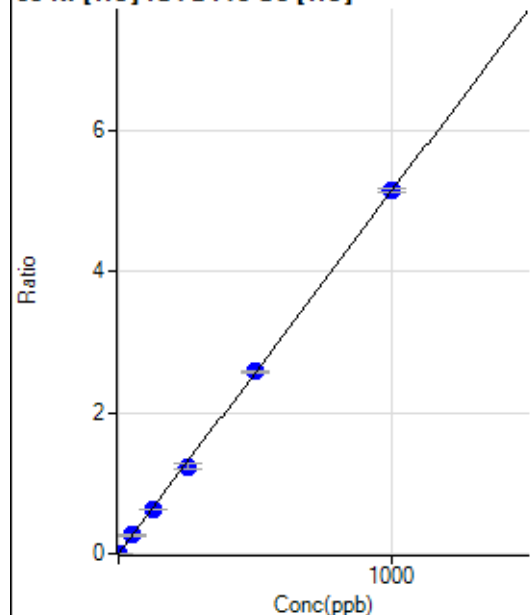
R = 0.9997

DL = 0.01066

BEC = 0.01836

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	112.23	0.0007	P	9.0
2	☐	1.000	0.921	843.37	0.0055	P	5.6
3	☐	50.000	50.448	38633.57	0.2601	P	3.9
4	☐	125.000	123.221	93061.84	0.6343	P	1.0
5	☐	250.000	240.291	186906.85	1.2363	P	6.6
6	☐	500.000	502.791	379714.66	2.5861	P	1.1
7	☐	1000.000	1001.232	710767.28	5.1491	P	1.2
8	☐			1731.24	0.0122	P	10.8

$$y = 0.0051 * x + 7.4441E-004$$

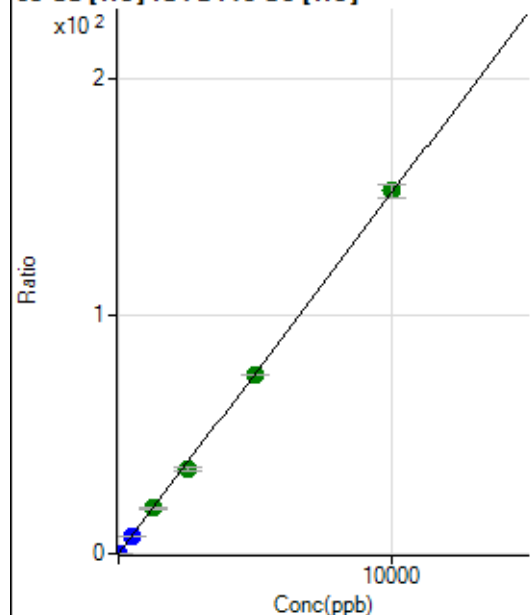
$$R = 0.9999$$

$$DL = 0.03905$$

$$BEC = 0.1448$$

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	483.35	0.0032	P	8.1
2	☐	2.000	1.869	4854.21	0.0316	P	5.1
3	☐	500.000	485.397	1094339.43	7.3680	P	3.2
4	☐	1250.000	1255.729	2795509.41	19.0562	A	1.4
5	☐	2500.000	2358.768	5414633.50	35.7924	A	5.1
6	☐	5000.000	4960.447	11051576.09	75.2672	A	0.2
7	☐	10000.000	10055.099	21051176.77	152.5675	A	3.9
8	☐			8635.33	0.0609	P	0.0

$$y = 0.0152 * x + 0.0032$$

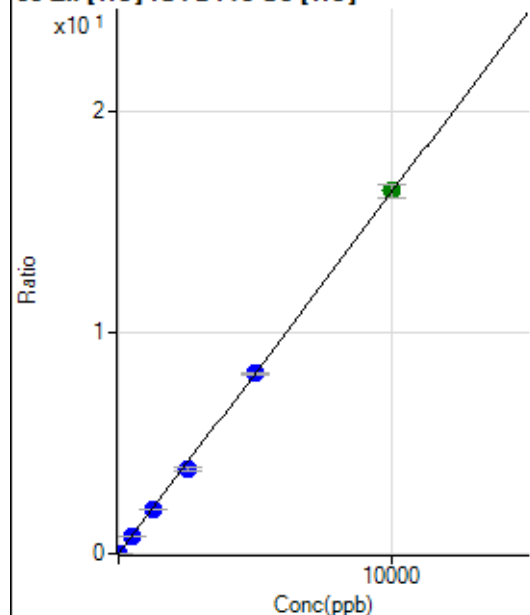
$$R = 0.9999$$

$$DL = 0.05107$$

$$BEC = 0.2114$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	131.11	0.0009	P	12.6
2	☐	2.000	2.288	707.80	0.0046	P	3.2
3	☐	500.000	494.222	119885.62	0.8073	P	3.8
4	☐	1250.000	1227.307	293890.23	2.0034	P	1.4
5	☐	2500.000	2347.131	579489.94	3.8305	P	5.0
6	☐	5000.000	4990.008	1195660.45	8.1427	P	0.9
7	☐	10000.000	10046.339	2262083.35	16.3927	A	3.6
8	☐			3656.07	0.0258	P	1.7

$$y = 0.0016 * x + 8.6976E-004$$

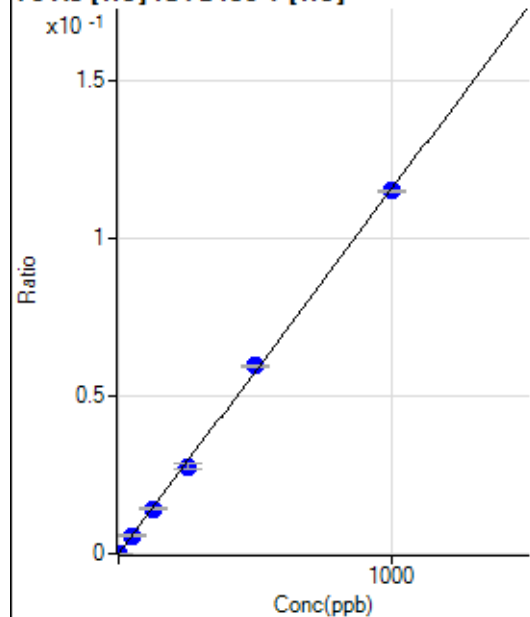
$$R = 0.9999$$

$$DL = 0.2012$$

$$BEC = 0.5331$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	7.00	0.0000	P	38.0
2	☐	1.000	0.933	146.69	0.0001	P	7.5
3	☐	50.000	49.857	7245.59	0.0058	P	1.1
4	☐	125.000	123.743	17859.05	0.0143	P	0.4
5	☐	250.000	238.297	35281.69	0.0275	P	6.9
6	☐	500.000	515.368	73503.35	0.0595	P	0.9
7	☐	1000.000	995.406	137249.02	0.1150	P	0.5
8	☐			79.34	0.0001	P	1.7

$$y = 1.1553E-004 * x + 5.5109E-006$$

$$R = 0.9998$$

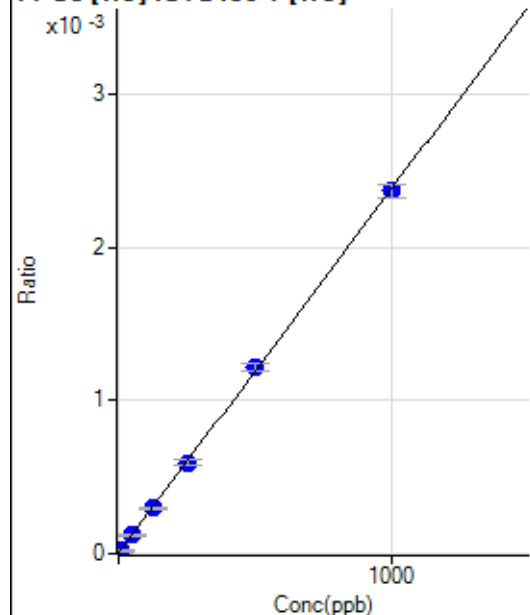
$$DL = 0.05435$$

$$BEC = 0.0477$$

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	5.55	0.0000	P	69.4
2	☐	5.000	6.120	24.45	0.0000	P	18.1
3	☐	50.000	49.847	154.45	0.0001	P	11.4
4	☐	125.000	123.847	373.34	0.0003	P	4.5
5	☐	250.000	248.140	763.36	0.0006	P	6.7
6	☐	500.000	512.058	1508.99	0.0012	P	4.3
7	☐	1000.000	994.582	2828.09	0.0024	P	3.7
8	☐			2.22	0.0000	P	86.6

$$y = 2.3786E-006 * x + 4.3712E-006$$

$$R = 0.9999$$

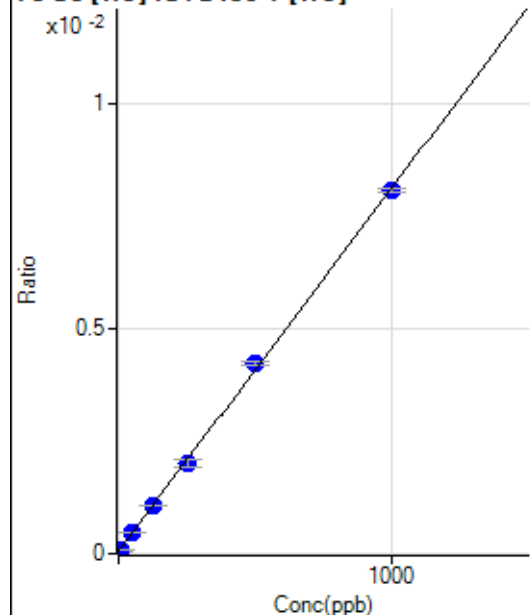
$$DL = 3.829$$

$$BEC = 1.838$$

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	73.68	0.0001	P	10.3
2	☐	5.000	4.369	120.68	0.0001	P	8.5
3	☐	50.000	51.236	592.74	0.0005	P	1.5
4	☐	125.000	125.188	1334.53	0.0011	P	1.8
5	☐	250.000	242.264	2580.83	0.0020	P	6.9
6	☐	500.000	517.623	5230.17	0.0042	P	1.3
7	☐	1000.000	993.040	9637.61	0.0081	P	1.1
8	☐			64.34	0.0001	P	9.0

$$y = 8.0735E-006 * x + 5.7997E-005$$

$$R = 0.9997$$

$$DL = 2.228$$

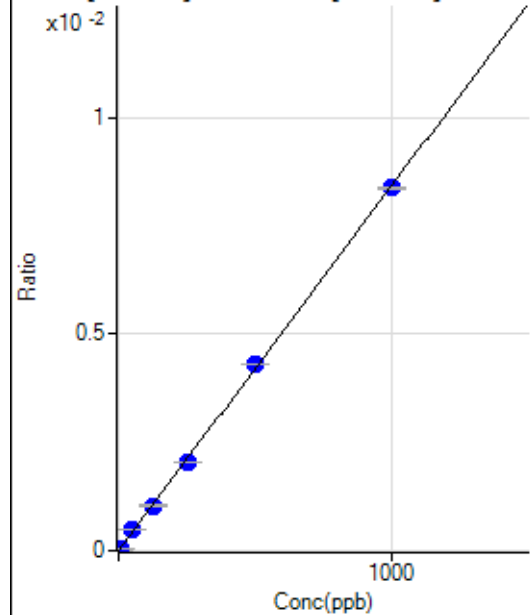
$$BEC = 7.184$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25820.92		P	4.8
2	☐			26616.38		P	3.0
3	☐			26964.09		P	4.5
4	☐			26164.89		P	1.0
5	☐			26643.17		P	2.7
6	☐			25770.77		P	6.6
7	☐			25863.94		P	3.0
8	☐			26225.21		P	2.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	-38.02	0.0000	P	-109.
2	☐	5.000	4.885	430.70	0.0000	P	16.6
3	☐	50.000	57.569	4945.11	0.0005	P	7.4
4	☐	125.000	123.365	11802.10	0.0010	P	1.9
5	☐	250.000	244.784	23766.62	0.0021	P	0.3
6	☐	500.000	512.328	51009.92	0.0043	P	0.3
7	☐	1000.000	994.966	94351.48	0.0084	P	0.3
8	☐			221.34	0.0000	P	21.6

$$y = 8.4141E-006 * x - 3.3607E-006$$

$$R = 0.9998$$

$$DL = 1.314$$

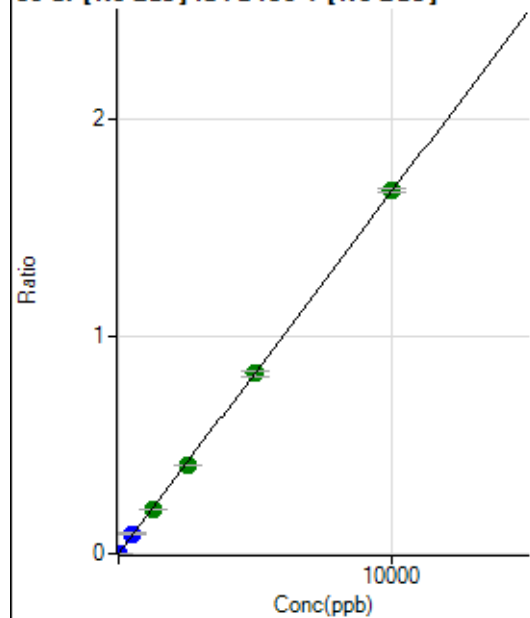
$$BEC = -0.3994$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1464.54		P	2.3
2	☐			1431.20		P	3.7
3	☐			1340.08		P	11.2
4	☐			1397.86		P	3.9
5	☐			1434.53		P	4.0
6	☐			1351.19		P	3.4
7	☐			1428.98		P	1.3
8	☐			1374.53		P	3.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2064.10	0.0002	P	9.6
2	☐	1.000	1.007	4014.58	0.0004	P	3.3
3	☐	500.000	540.314	925966.96	0.0901	P	6.9
4	☐	1250.000	1220.756	2319193.56	0.2033	A	3.3
5	☐	2500.000	2441.281	4697596.16	0.4064	A	1.1
6	☐	5000.000	4971.281	9798680.52	0.8274	A	2.2
7	☐	10000.000	10030.679	18822033.58	1.6693	A	1.1
8	☐			26466.50	0.0023	P	37.1

$$y = 1.6641E-004 * x + 1.8398E-004$$

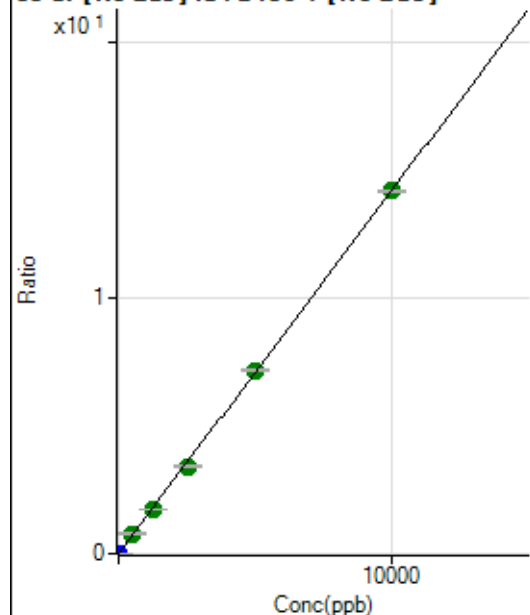
$$R = 1.0000$$

$$DL = 0.3196$$

$$BEC = 1.106$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	150.01	0.0000	P	31.7
2	☐	1.000	0.940	15406.15	0.0013	P	1.8
3	☐	500.000	540.494	7891539.41	0.7679	A	7.1
4	☐	1250.000	1214.998	19689662.42	1.7261	A	2.3
5	☐	2500.000	2410.301	39574838.39	3.4243	A	1.2
6	☐	5000.000	5050.341	84966298.43	7.1750	A	1.6
7	☐	10000.000	9999.605	160178129.9	14.2064	A	0.8
8	☐			200956.45	0.0174	P	32.2

$$y = 0.0014 * x + 1.3384E-005$$

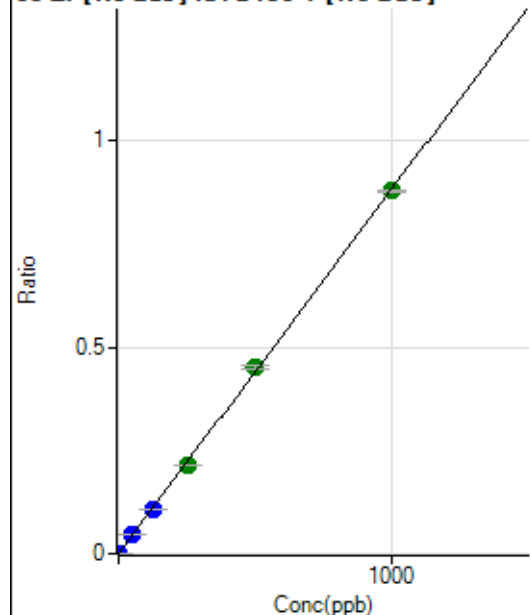
$$R = 0.9999$$

$$DL = 0.00895$$

$$BEC = 0.009421$$

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	561.14	0.0000	P	6.4
2	☐	1.000	0.836	8980.90	0.0008	P	0.9
3	☐	50.000	53.206	482192.24	0.0469	P	7.5
4	☐	125.000	120.149	1208091.44	0.1059	P	0.6
5	☐	250.000	243.136	2476476.73	0.2143	A	1.3
6	☐	500.000	512.123	5344324.21	0.4513	A	1.8
7	☐	1000.000	996.101	9896082.25	0.8777	A	0.6
8	☐			11395.24	0.0010	P	38.1

$$y = 8.8108E-004 * x + 4.9994E-005$$

$$R = 0.9998$$

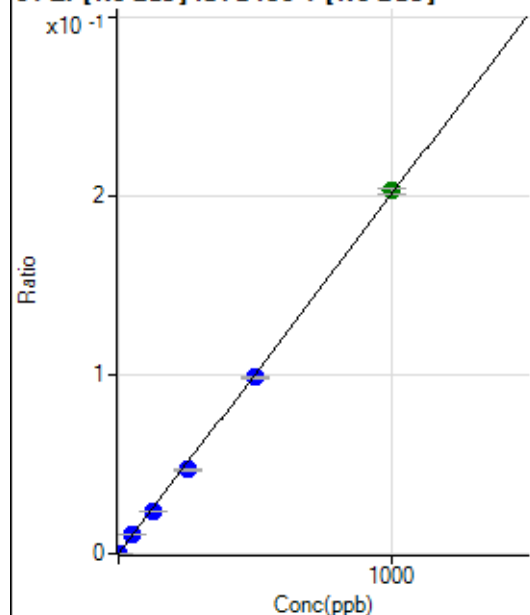
$$DL = 0.01089$$

$$BEC = 0.05674$$

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	136.12	0.0000	P	26.8
2	☐	1.000	0.839	2064.11	0.0002	P	4.9
3	☐	50.000	52.322	108226.05	0.0105	P	5.5
4	☐	125.000	118.504	271716.45	0.0238	P	0.2
5	☐	250.000	234.406	544354.54	0.0471	P	2.7
6	☐	500.000	490.635	1167581.18	0.0986	P	1.1
7	☐	1000.000	1009.277	2286381.54	0.2028	A	1.3
8	☐			2786.56	0.0002	P	45.7

$$y = 2.0092\text{E-}004 * x + 1.2143\text{E-}005$$

$$R = 0.9998$$

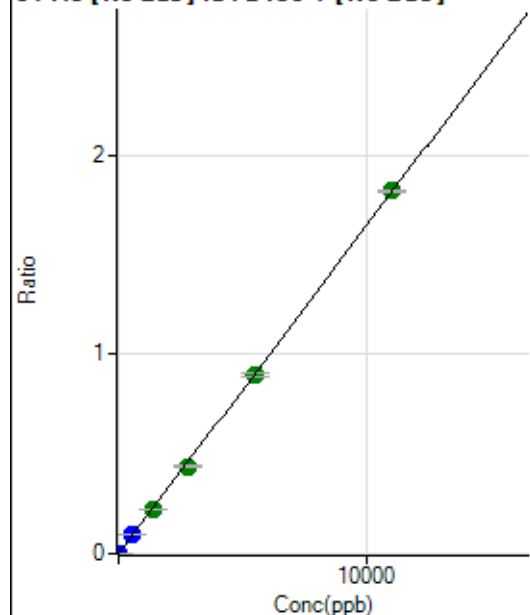
$$DL = 0.04857$$

$$BEC = 0.06044$$

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	188.89	0.0000	P	13.8
2	☐	5.000	5.610	10757.27	0.0009	P	2.0
3	☐	550.000	587.850	996449.15	0.0970	P	7.1
4	☐	1375.000	1345.688	2531506.87	0.2219	A	1.7
5	☐	2750.000	2643.908	5039219.04	0.4360	A	1.8
6	☐	5500.000	5450.964	10645797.29	0.8990	A	1.6
7	☐	11000.000	11052.812	20551848.03	1.8228	A	0.9
8	☐			19807.42	0.0017	P	55.5

$$y = 1.6492\text{E-}004 * x + 1.6791\text{E-}005$$

$$R = 0.9999$$

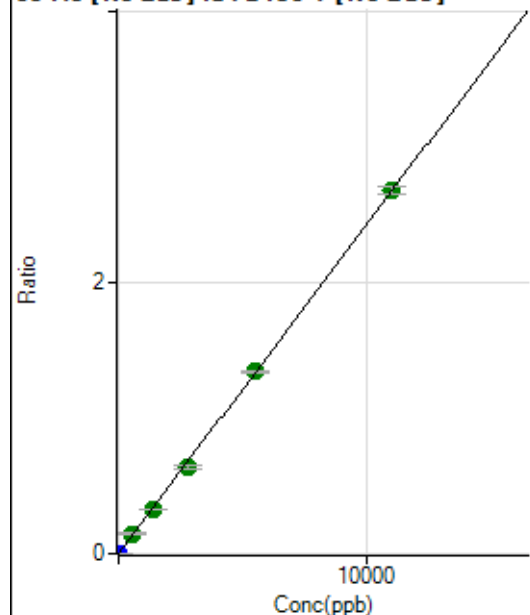
$$DL = 0.04212$$

$$BEC = 0.1018$$

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	41.67	0.0000	P	87.0
2	☐	5.000	4.700	13081.57	0.0011	P	2.0
3	☐	550.000	605.326	1511289.52	0.1471	A	7.6
4	☐	1375.000	1330.629	3687835.46	0.3233	A	2.3
5	☐	2750.000	2621.989	7361386.19	0.6371	A	3.9
6	☐	5500.000	5535.641	15928162.33	1.3451	A	1.1
7	☐	11000.000	11016.963	30180322.55	2.6769	A	2.1
8	☐			27035.06	0.0023	P	58.4

$$y = 2.4298\text{E-}004 * x + 3.6784\text{E-}006$$

$$R = 0.9999$$

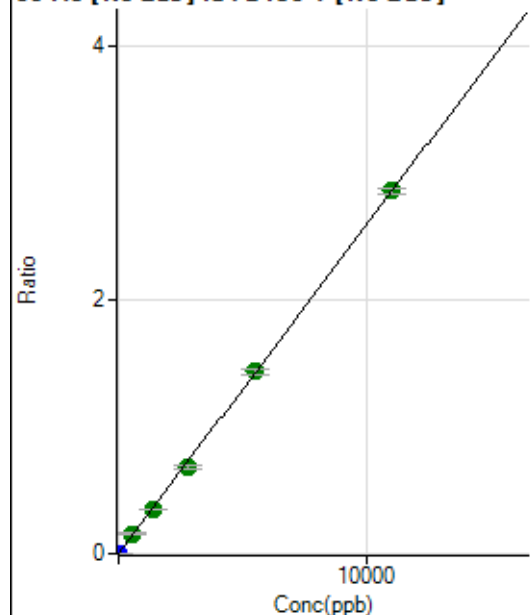
$$DL = 0.03951$$

$$BEC = 0.01514$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	163.89	0.0000	P	21.2
2	☐	5.000	4.748	14207.70	0.0012	P	3.7
3	☐	550.000	600.212	1597397.70	0.1555	A	7.6
4	☐	1375.000	1339.656	3957926.00	0.3470	A	2.1
5	☐	2750.000	2630.742	7872926.65	0.6814	A	3.4
6	☐	5500.000	5522.901	16938618.43	1.4304	A	2.5
7	☐	11000.000	11020.271	32180341.69	2.8542	A	1.8
8	☐			36687.15	0.0032	P	51.3

$$y = 2.5900\text{E-}004 * x + 1.4556\text{E-}005$$

$$R = 0.9999$$

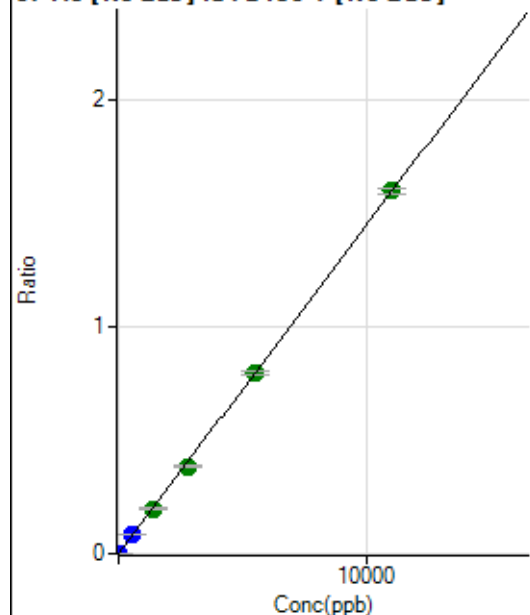
$$DL = 0.03581$$

$$BEC = 0.0562$$

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	16.67	0.0000	P	86.6
2	☐	5.000	4.797	7963.62	0.0007	P	5.3
3	☐	550.000	590.732	880494.23	0.0857	P	7.8
4	☐	1375.000	1360.440	2251320.17	0.1974	A	2.3
5	☐	2750.000	2655.034	4451053.83	0.3852	A	2.7
6	☐	5500.000	5481.256	9416713.58	0.7952	A	1.8
7	☐	11000.000	11032.897	18046760.82	1.6006	A	1.3
8	☐			16159.23	0.0014	P	60.8

$$y = 1.4508\text{E-}004 * x + 1.4814\text{E-}006$$

$$R = 0.9999$$

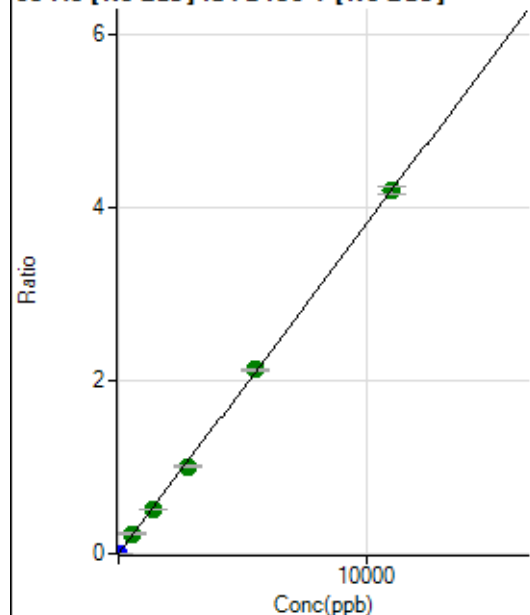
$$DL = 0.02654$$

$$BEC = 0.01021$$

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	88.89	0.0000	P	20.2
2	☐	5.000	4.640	20293.13	0.0018	P	2.0
3	☐	550.000	594.369	2328351.38	0.2267	A	8.3
4	☐	1375.000	1333.869	5802349.17	0.5087	A	2.4
5	☐	2750.000	2648.837	11672192.62	1.0101	A	3.0
6	☐	5500.000	5568.977	25149153.51	2.1237	A	1.1
7	☐	11000.000	10993.725	47267060.43	4.1925	A	2.1
8	☐			46327.68	0.0040	P	69.3

$$y = 3.8135\text{E-}004 * x + 7.9235\text{E-}006$$

$$R = 0.9999$$

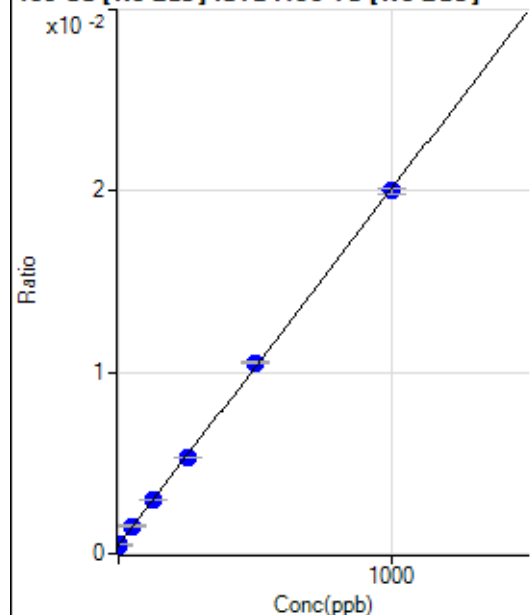
$$DL = 0.01261$$

$$BEC = 0.02078$$

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	2944.85	0.0005	P	3.3
2	☐	1.000	3.126	3344.94	0.0005	P	1.7
3	☐	50.000	53.392	8689.07	0.0015	P	5.0
4	☐	125.000	127.158	18980.19	0.0030	P	2.7
5	☐	250.000	245.719	34864.35	0.0053	P	1.4
6	☐	500.000	512.779	71489.23	0.0106	P	1.4
7	☐	1000.000	994.239	131690.88	0.0200	P	1.3
8	☐			3000.41	0.0004	P	0.9

$$y = 1.9657\text{E-}005 * x + 4.7053\text{E-}004$$

$$R = 0.9999$$

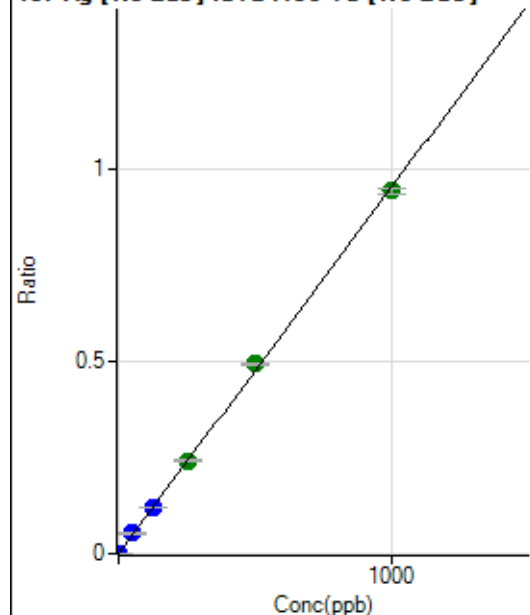
$$DL = 2.4$$

$$BEC = 23.94$$

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	127.78	0.0000	P	15.7
2	☐	1.000	0.901	5517.91	0.0009	P	1.6
3	☐	50.000	56.171	304762.56	0.0534	P	8.2
4	☐	125.000	124.582	757254.47	0.1185	P	1.9
5	☐	250.000	253.484	1585496.38	0.2410	A	2.7
6	☐	500.000	517.163	3332205.28	0.4918	A	1.1
7	☐	1000.000	990.291	6196365.98	0.9416	A	1.6
8	☐			2530.86	0.0004	P	12.5

$$y = 9.5083\text{E-}004 * x + 2.0399\text{E-}005$$

$$R = 0.9998$$

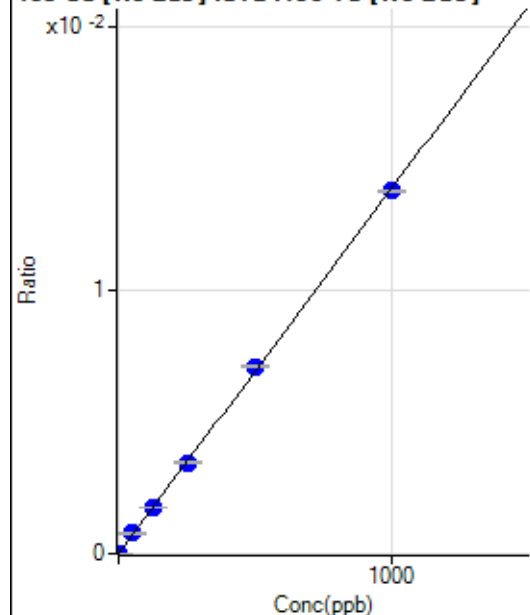
$$DL = 0.01009$$

$$BEC = 0.02145$$

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	41.67	0.0000	P	24.8
2	☐	1.000	0.890	119.44	0.0000	P	17.8
3	☐	50.000	55.818	4453.56	0.0008	P	9.1
4	☐	125.000	126.054	11214.40	0.0018	P	4.1
5	☐	250.000	248.932	22756.48	0.0035	P	1.5
6	☐	500.000	511.866	48163.26	0.0071	P	0.9
7	☐	1000.000	993.911	90764.91	0.0138	P	0.4
8	☐			138.89	0.0000	P	39.1

$$y = 1.3872\text{E-}005 * x + 6.6420\text{E-}006$$

$$R = 0.9999$$

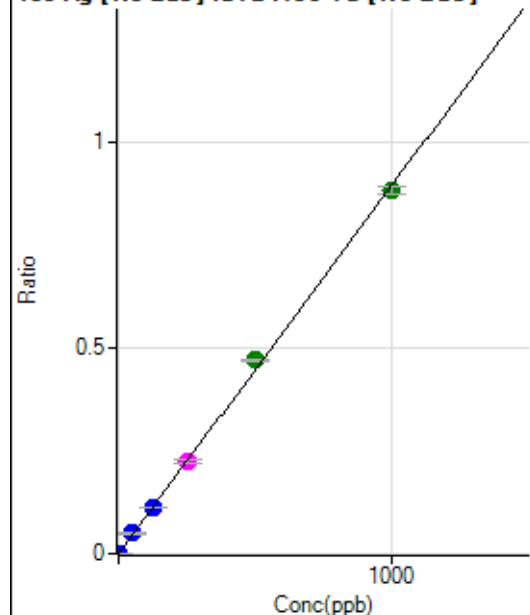
$$DL = 0.3568$$

$$BEC = 0.4788$$

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	111.12	0.0000	P	32.4
2	☐	1.000	0.926	5309.51	0.0008	P	7.2
3	☐	50.000	56.965	290181.91	0.0509	P	8.1
4	☐	125.000	124.859	712686.78	0.1115	P	0.8
5	☐	250.000	252.364	1482038.23	0.2253	M	3.3
6	☐	500.000	525.424	3178722.42	0.4691	A	1.5
7	☐	1000.000	986.366	5793261.24	0.8806	A	2.1
8	☐			2508.64	0.0004	P	11.7

$$y = 8.9273\text{E-}004 * x + 1.7824\text{E-}005$$

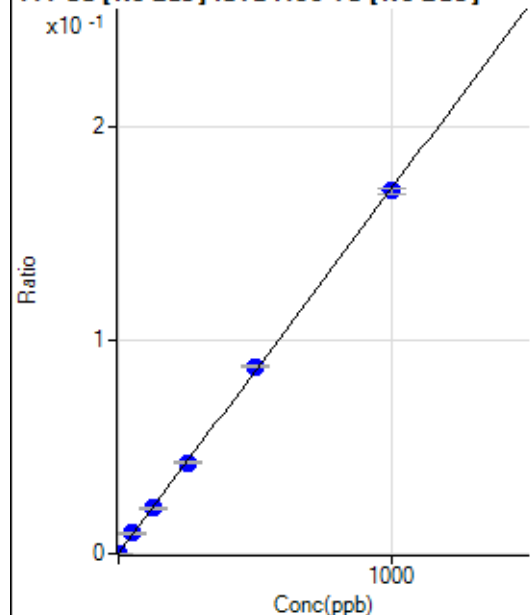
$$R = 0.9995$$

$$DL = 0.01939$$

$$BEC = 0.01997$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	595.91	0.0001	P	4.3
2	☐	1.000	1.049	1728.50	0.0003	P	2.3
3	☐	50.000	56.065	55347.19	0.0097	P	7.1
4	☐	125.000	124.530	136917.88	0.0214	P	2.7
5	☐	250.000	248.808	280925.62	0.0427	P	1.6
6	☐	500.000	513.005	596066.87	0.0880	P	0.8
7	☐	1000.000	993.551	1120224.16	0.1703	P	1.2
8	☐			1457.10	0.0002	P	33.9

$$y = 1.7129E-004 * x + 9.5214E-005$$

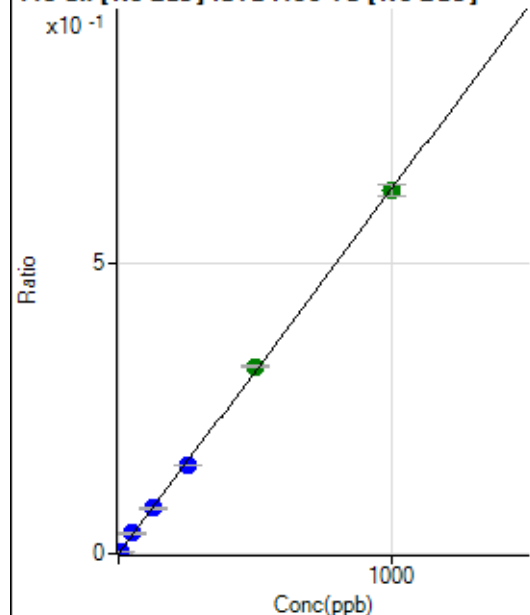
$$R = 0.9999$$

$$DL = 0.07172$$

$$BEC = 0.5559$$

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	1105.63	0.0002	P	9.8
2	☐	5.000	4.835	20221.11	0.0032	P	2.2
3	☐	50.000	55.182	198826.73	0.0349	P	8.1
4	☐	125.000	124.118	499636.11	0.0782	P	2.9
5	☐	250.000	242.738	1004573.35	0.1527	P	0.7
6	☐	500.000	512.813	2185137.98	0.3225	A	0.7
7	☐	1000.000	995.261	4116617.15	0.6257	A	3.0
8	☐			5701.74	0.0008	P	36.3

$$y = 6.2848E-004 * x + 1.7669E-004$$

$$R = 0.9998$$

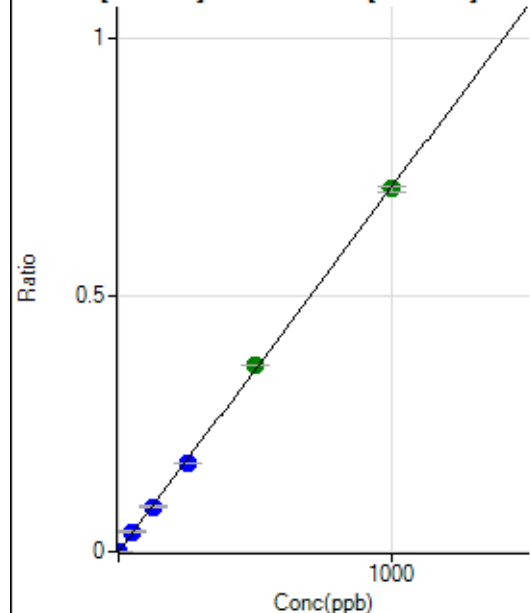
$$DL = 0.08289$$

$$BEC = 0.2811$$

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	44.44	0.0000	P	27.2
2	☐	2.000	1.908	8561.25	0.0014	P	5.4
3	☐	50.000	54.815	222296.06	0.0389	P	6.1
4	☐	125.000	123.507	560674.80	0.0877	P	1.5
5	☐	250.000	242.102	1130841.06	0.1719	P	0.9
6	☐	500.000	512.150	2464612.66	0.3637	A	0.6
7	☐	1000.000	995.846	4652773.06	0.7072	A	1.8
8	☐			6730.01	0.0010	P	27.0

$$y = 7.1015\text{E-}004 * x + 7.0862\text{E-}006$$

$$R = 0.9998$$

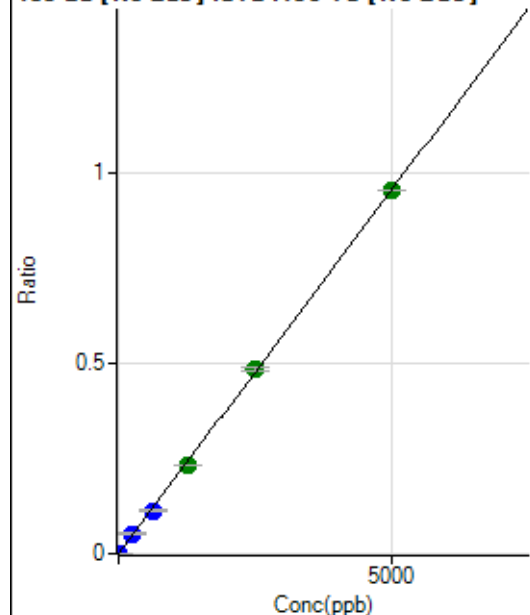
$$DL = 0.008147$$

$$BEC = 0.009978$$

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	33.33	0.0000	P	23.1
2	☐	10.000	9.237	11096.53	0.0018	P	2.6
3	☐	250.000	272.928	296461.78	0.0520	P	9.0
4	☐	625.000	593.983	723388.57	0.1132	P	1.1
5	☐	1250.000	1220.463	1529225.35	0.2325	A	1.5
6	☐	2500.000	2539.095	3277570.69	0.4837	A	1.3
7	☐	5000.000	4990.569	6254978.39	0.9507	A	0.2
8	☐			6439.09	0.0009	P	56.0

$$y = 1.9049\text{E-}004 * x + 5.3089\text{E-}006$$

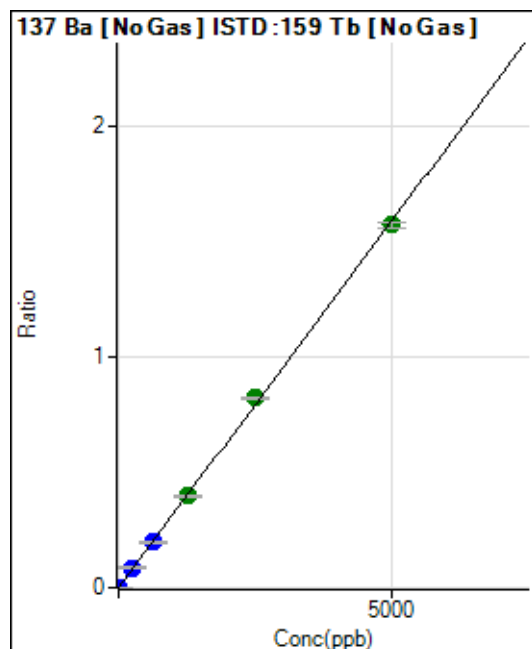
$$R = 0.9999$$

$$DL = 0.01929$$

$$BEC = 0.02787$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	25.00	0.0000	P	87.8
2	☐	10.000	9.151	18323.94	0.0029	P	1.3
3	☐	250.000	273.254	495625.80	0.0869	P	8.1
4	☐	625.000	622.496	1264945.15	0.1979	P	2.8
5	☐	1250.000	1248.544	2611233.50	0.3970	A	1.7
6	☐	2500.000	2593.625	5588559.41	0.8247	A	1.4
7	☐	5000.000	4952.704	10360649.10	1.5748	A	1.4
8	☐			10739.46	0.0016	P	54.7

$$y = 3.1797E-004 * x + 4.0003E-006$$

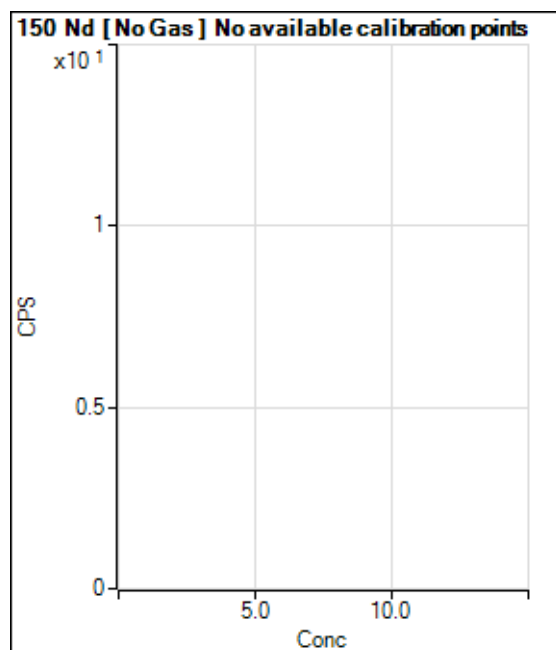
$$R = 0.9997$$

$$DL = 0.03315$$

$$BEC = 0.01258$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.33		P	50.0
2	☐			11.11		P	34.6
3	☐			31.11		P	53.9
4	☐			55.56		P	30.2
5	☐			86.67		P	23.1
6	☐			195.56		P	27.6
7	☐			346.68		P	16.4
8	☐			66.67		P	43.6

150 Nd [He] No available calibration points

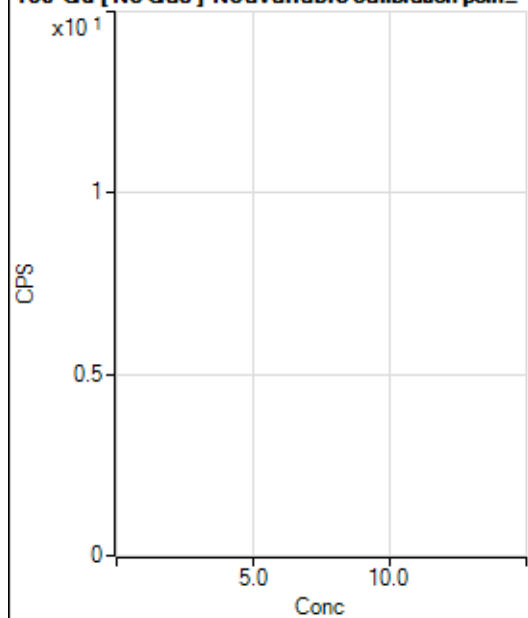
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			0.00		P	
3	☐			4.44		P	43.4
4	☐			7.78		P	137.8
5	☐			13.33		P	25.0
6	☐			21.11		P	39.7
7	☐			37.78		P	18.4
8	☐			8.89		P	86.6

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			16.67		P	132.3
2	☐			11.11		P	43.3
3	☐			13.89		P	69.3
4	☐			61.11		P	31.5
5	☐			55.56		P	31.2
6	☐			155.56		P	11.2
7	☐			277.79		P	6.9
8	☐			897.28		P	5.4

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐			1.11		P	173.2
3	☐			6.67		P	50.0
4	☐			18.89		P	71.3
5	☐			33.33		P	17.3
6	☐			68.89		P	18.3
7	☐			124.45		P	3.1
8	☐			374.45		P	8.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			38.89		P	96.6
2	☐			44.45		P	28.7
3	☐			30.55		P	15.7
4	☐			63.89		P	52.7
5	☐			66.67		P	21.7
6	☐			133.34		P	6.2
7	☐			175.01		P	34.3
8	☐			833.38		P	1.7

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			37.78		P	13.5
2	☐			55.56		P	25.0
3	☐			68.89		P	29.2
4	☐			81.11		P	24.8
5	☐			68.89		P	15.6
6	☐			103.33		P	3.2
7	☐			161.11		P	6.3
8	☐			451.13		P	7.4

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			50.00		P	16.7
2	☐			41.67		P	20.0
3	☐			83.34		P	10.0
4	☐			61.11		P	51.6
5	☐			55.56		P	17.3
6	☐			80.56		P	15.8
7	☐			86.11		P	39.1
8	☐			188.90		P	16.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	17.3
2	☐			14.45		P	48.0
3	☐			22.22		P	43.3
4	☐			18.89		P	53.9
5	☐			25.56		P	30.1
6	☐			48.89		P	15.7
7	☐			60.00		P	20.0
8	☐			74.44		P	20.2

172 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.33		P	100.0
2	☐			41.67		P	20.0
3	☐			47.22		P	27.0
4	☐			27.78		P	62.5
5	☐			47.22		P	40.8
6	☐			52.78		P	32.9
7	☐			88.89		P	44.3
8	☐			72.23		P	26.7

172 Yb [He] No available calibration points

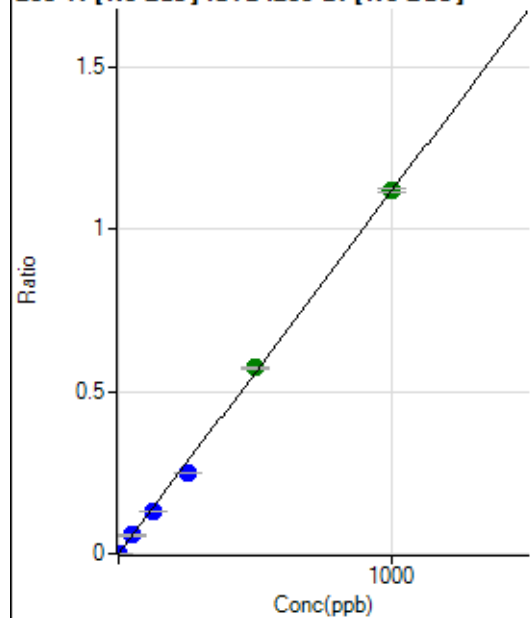
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			12.96		P	24.8
2	☐			14.82		P	57.3
3	☐			16.67		P	57.7
4	☐			9.26		P	34.6
5	☐			14.82		P	78.1
6	☐			14.82		P	57.3
7	☐			40.74		P	43.8
8	☐			40.74		P	34.3

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			780.60		P	14.8
2	☐			686.15		P	11.0
3	☐			1344.55		P	6.2
4	☐			2736.49		P	10.0
5	☐			4723.22		P	4.9
6	☐			9570.45		P	4.8
7	☐			16875.14		P	2.7
8	☐			797.27		P	4.7

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4195.19		P	5.0
2	☐			4154.43		P	7.1
3	☐			4460.10		P	3.5
4	☐			5412.31		P	3.6
5	☐			6316.44		P	4.0
6	☐			8565.90		P	2.2
7	☐			12098.33		P	2.9
8	☐			4267.45		P	11.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	213.90	0.0001	P	12.6
2	☐	1.000	0.790	3050.44	0.0009	P	3.2
3	☐	50.000	50.921	166360.77	0.0569	P	8.0
4	☐	125.000	116.594	433286.46	0.1302	P	1.1
5	☐	250.000	222.595	872436.24	0.2486	P	0.8
6	☐	500.000	513.466	1978918.86	0.5734	A	0.8
7	☐	1000.000	1001.123	3803769.36	1.1178	A	1.2
8	☐			2800.59	0.0008	P	59.1

$$y = 0.0011 * x + 6.5754E-005$$

$$R = 0.9994$$

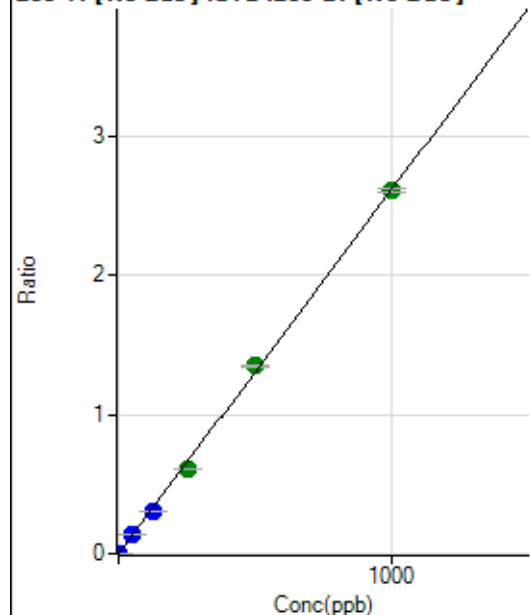
$$DL = 0.02224$$

$$BEC = 0.05889$$

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	411.13	0.0001	P	7.1
2	☐	1.000	0.866	7683.08	0.0024	P	2.5
3	☐	50.000	52.593	401857.74	0.1375	P	7.5
4	☐	125.000	116.267	1010453.84	0.3037	P	2.6
5	☐	250.000	233.295	2138081.88	0.6093	A	1.2
6	☐	500.000	515.670	4648074.28	1.3467	A	0.8
7	☐	1000.000	997.303	8861511.05	2.6044	A	0.9
8	☐			7502.88	0.0022	P	72.7

$$y = 0.0026 * x + 1.2621E-004$$

$$R = 0.9996$$

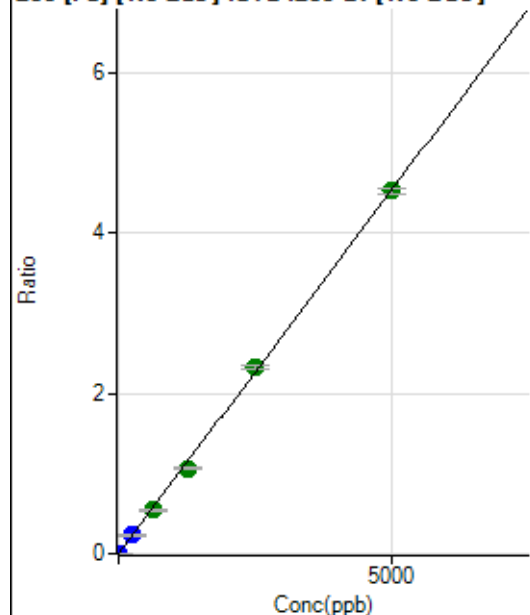
$$DL = 0.01036$$

$$BEC = 0.04833$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	609.28	0.0002	P	10.9
2	☐	1.000	0.851	3089.32	0.0010	P	1.1
3	☐	250.000	253.335	673213.73	0.2301	P	6.3
4	☐	625.000	596.371	1801875.44	0.5415	A	2.0
5	☐	1250.000	1170.718	3729489.61	1.0628	A	1.3
6	☐	2500.000	2562.877	8030336.81	2.3265	A	1.9
7	☐	5000.000	4991.794	15417136.34	4.5312	A	1.7
8	☐			14320.47	0.0043	P	46.2

$$y = 9.0769E-004 * x + 1.8758E-004$$

$$R = 0.9997$$

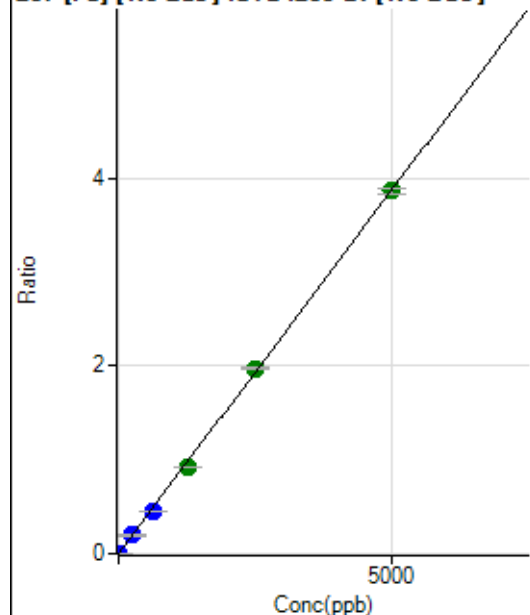
$$DL = 0.06732$$

$$BEC = 0.2067$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	505.58	0.0002	P	21.4
2	☐	1.000	0.952	2868.89	0.0009	P	6.0
3	☐	250.000	258.946	585258.30	0.2003	P	8.9
4	☐	625.000	581.651	1496555.00	0.4498	P	1.6
5	☐	1250.000	1191.675	3233146.20	0.9214	A	1.2
6	☐	2500.000	2549.781	6804069.89	1.9713	A	0.9
7	☐	5000.000	4994.662	13137907.58	3.8613	A	1.9
8	☐			11814.09	0.0035	P	53.9

$$y = 7.7306\text{E-}004 * x + 1.5597\text{E-}004$$

$$R = 0.9998$$

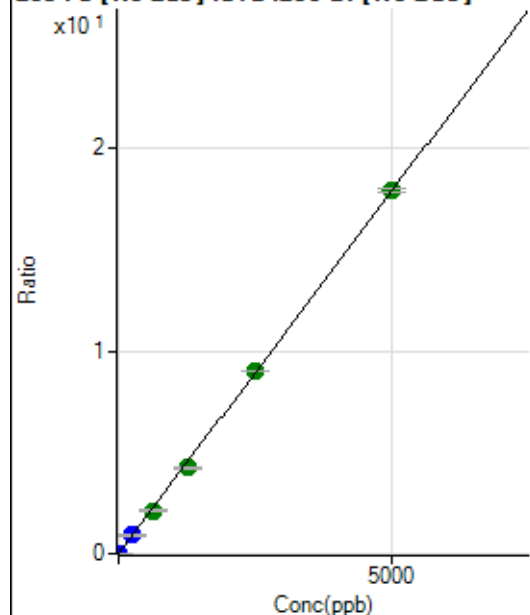
$$DL = 0.1294$$

$$BEC = 0.2018$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2450.14	0.0008	P	10.0
2	☐	1.000	0.893	12693.46	0.0039	P	2.7
3	☐	250.000	255.950	2675216.56	0.9153	P	7.9
4	☐	625.000	594.786	7073557.00	2.1260	A	1.3
5	☐	1250.000	1183.459	14841573.25	4.2294	A	0.4
6	☐	2500.000	2524.255	31133706.02	9.0202	A	0.5
7	☐	5000.000	5007.987	60887458.30	17.8949	A	1.2
8	☐			55521.63	0.0167	P	54.3

$$y = 0.0036 * x + 7.5427\text{E-}004$$

$$R = 0.9999$$

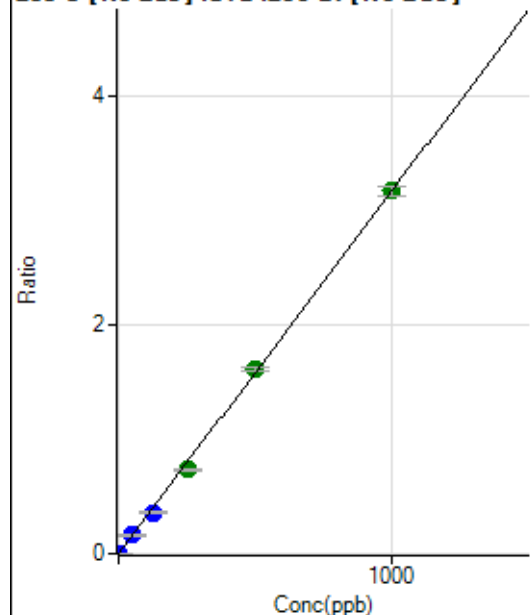
$$DL = 0.06331$$

$$BEC = 0.2111$$

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	30.55	0.0000	P	17.8
2	☐	1.000	0.862	8828.33	0.0027	P	0.7
3	☐	50.000	51.040	472887.12	0.1618	P	8.4
4	☐	125.000	112.267	1184066.49	0.3560	P	3.9
5	☐	250.000	232.827	2590212.88	0.7382	A	2.0
6	☐	500.000	508.475	5564328.16	1.6121	A	1.7
7	☐	1000.000	1001.596	10805715.95	3.1756	A	2.9
8	☐			6806.61	0.0020	P	72.0

$$y = 0.0032 * x + 9.4161E-006$$

$$R = 0.9997$$

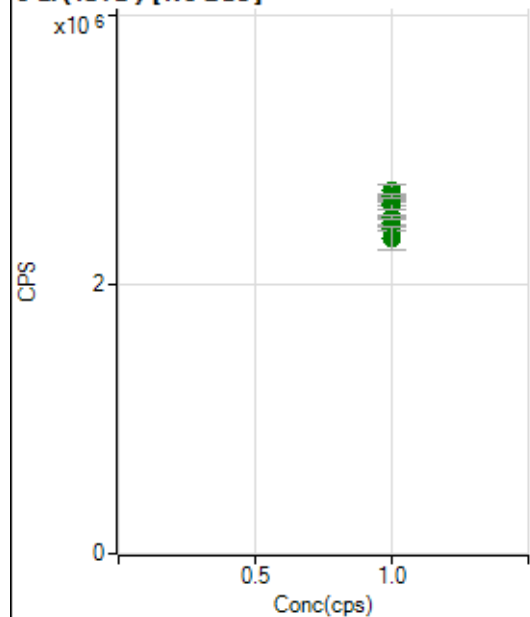
$$DL = 0.001588$$

$$BEC = 0.00297$$

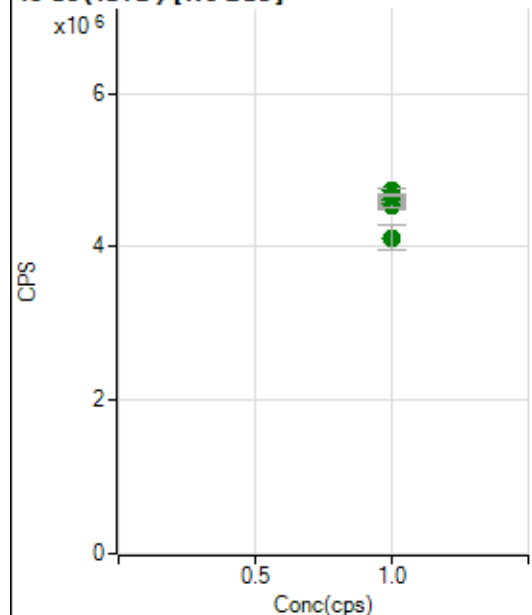
Weight: <None>

Min Conc: 0

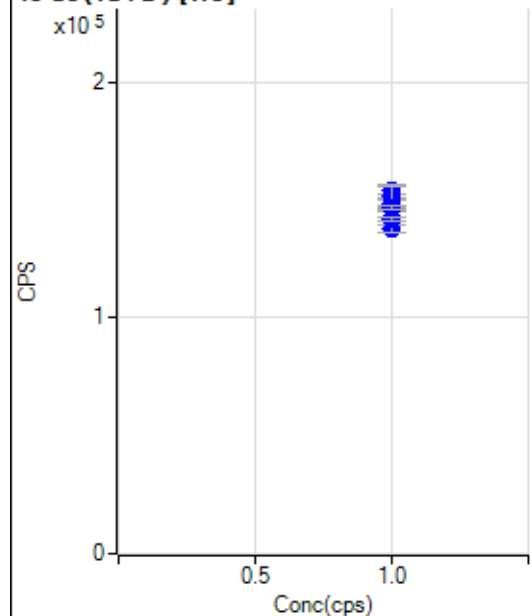
6 Li (ISTD) [No Gas]



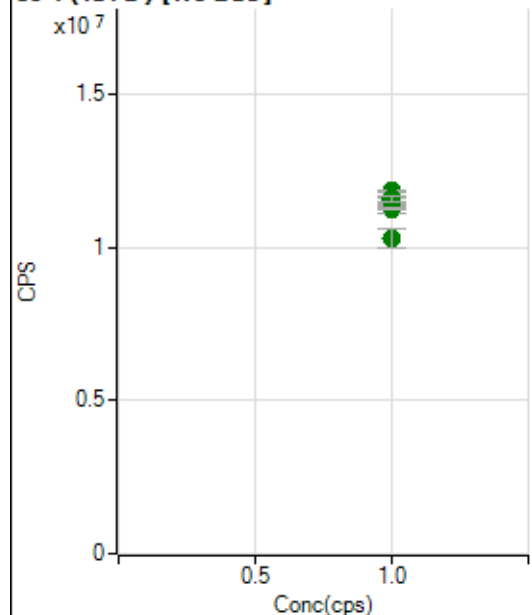
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2425197.43		A	2.0
2	☐	1.000		2465237.60		A	3.2
3	☐	1.000		2344223.38		A	7.7
4	☐	1.000		2503354.43		A	1.3
5	☐	1.000		2604736.32		A	0.6
6	☐	1.000		2699833.75		A	3.2
7	☐	1.000		2595808.81		A	2.4
8	☐	1.000		2656141.97		A	1.1

45 Sc (ISTD) [No Gas]

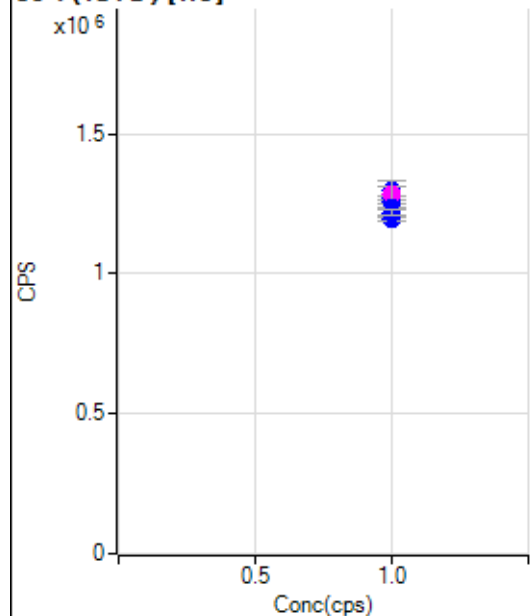
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4527031.70		A	1.1
2	☐	1.000		4533440.87		A	2.0
3	☐	1.000		4115295.32		A	7.8
4	☐	1.000		4573191.77		A	1.4
5	☐	1.000		4613630.49		A	1.3
6	☐	1.000		4730853.09		A	1.6
7	☐	1.000		4559624.93		A	1.8
8	☐	1.000		4671172.81		A	0.4

45 Sc (ISTD) [He]

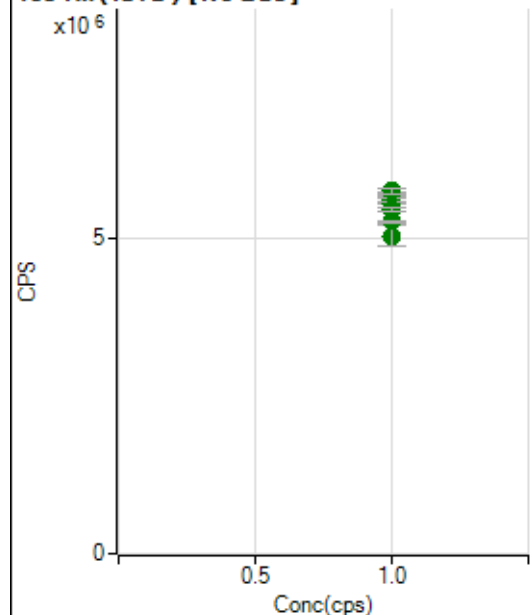
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		150752.09		P	0.6
2	☐	1.000		153854.40		P	2.2
3	☐	1.000		148590.00		P	2.1
4	☐	1.000		146720.80		P	1.7
5	☐	1.000		151602.95		P	6.3
6	☐	1.000		146832.00		P	0.8
7	☐	1.000		138065.20		P	2.4
8	☐	1.000		141851.17		P	1.1

89 Y (ISTD) [No Gas]

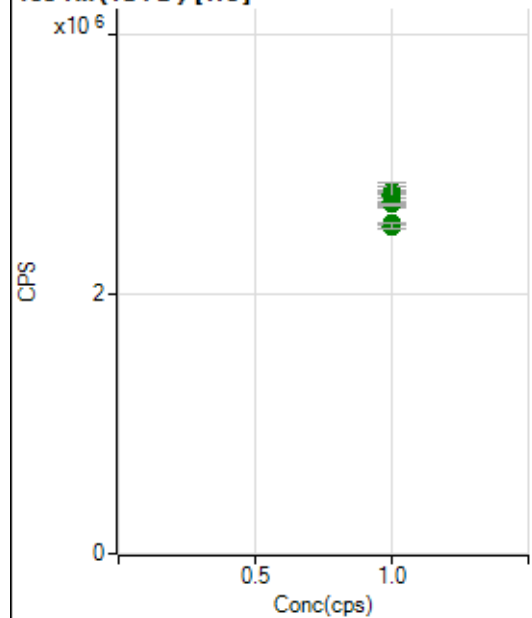
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11232144.28		A	1.8
2	☐	1.000		11419168.58		A	0.8
3	☐	1.000		10306922.83		A	6.2
4	☐	1.000		11406438.86		A	0.5
5	☐	1.000		11558222.61		A	1.4
6	☐	1.000		11842454.82		A	0.6
7	☐	1.000		11274879.14		A	0.4
8	☐	1.000		11596769.27		A	1.6

89 Y (ISTD) [He]

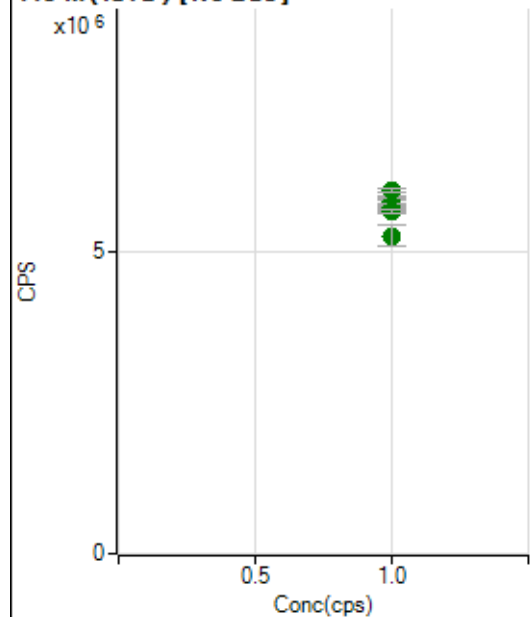
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1271061.52		P	0.8
2	☐	1.000		1295801.95		P	2.7
3	☐	1.000		1256816.62		P	0.9
4	☐	1.000		1248766.98		P	0.2
5	☐	1.000		1285623.81		M	7.3
6	☐	1.000		1234397.16		P	0.3
7	☐	1.000		1193401.53		P	0.9
8	☐	1.000		1216642.49		P	1.6

103 Rh (ISTD) [No Gas]

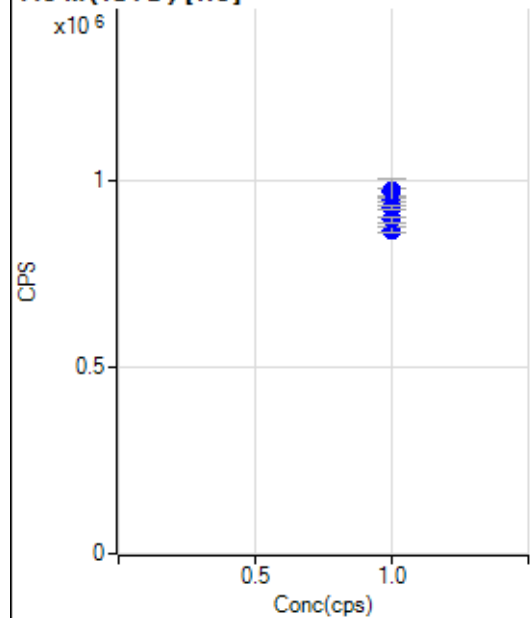
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5669611.45		A	0.7
2	☐	1.000		5615297.44		A	2.1
3	☐	1.000		5037937.96		A	6.6
4	☐	1.000		5543571.13		A	1.7
5	☐	1.000		5689591.14		A	1.4
6	☐	1.000		5751829.73		A	1.9
7	☐	1.000		5450067.79		A	1.4
8	☐	1.000		5272286.66		A	0.6

103 Rh (ISTD) [He]

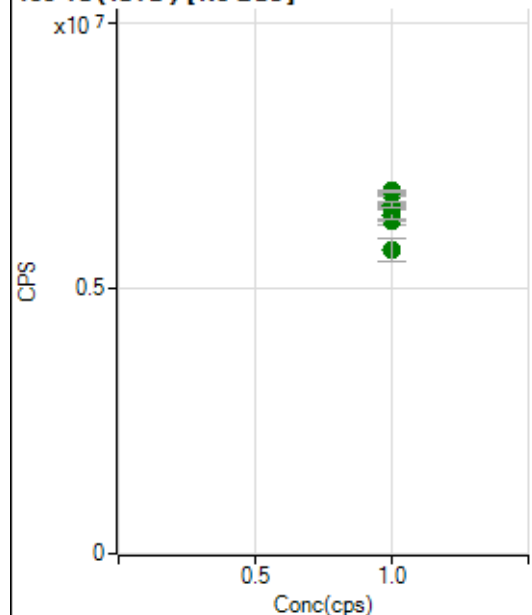
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2787735.97		A	0.6
2	☐	1.000		2792584.23		A	2.2
3	☐	1.000		2755338.19		A	3.1
4	☐	1.000		2703465.76		A	2.7
5	☐	1.000		2769772.27		A	6.6
6	☐	1.000		2688874.23		A	0.9
7	☐	1.000		2538697.37		A	0.8
8	☐	1.000		2521379.30		A	1.9

115 In (ISTD) [No Gas]

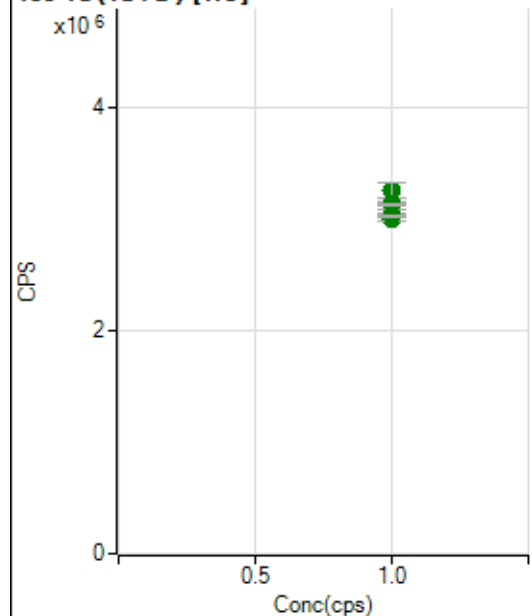
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5815294.35		A	1.7
2	☐	1.000		5759657.22		A	0.4
3	☐	1.000		5281130.43		A	6.4
4	☐	1.000		5828972.86		A	1.6
5	☐	1.000		5917365.46		A	0.7
6	☐	1.000		6023900.76		A	1.2
7	☐	1.000		5751229.67		A	2.5
8	☐	1.000		5686185.97		A	1.3

115 In (ISTD) [He]

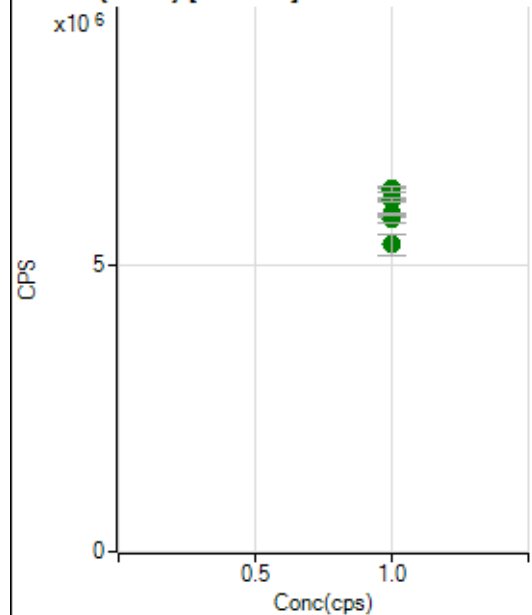
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		949449.96		P	0.6
2	☐	1.000		969471.38		P	2.1
3	☐	1.000		930113.75		P	0.8
4	☐	1.000		934725.34		P	0.3
5	☐	1.000		973858.73		P	6.4
6	☐	1.000		928738.75		P	1.3
7	☐	1.000		868858.65		P	1.4
8	☐	1.000		896376.99		P	1.6

159 Tb (ISTD) [No Gas]

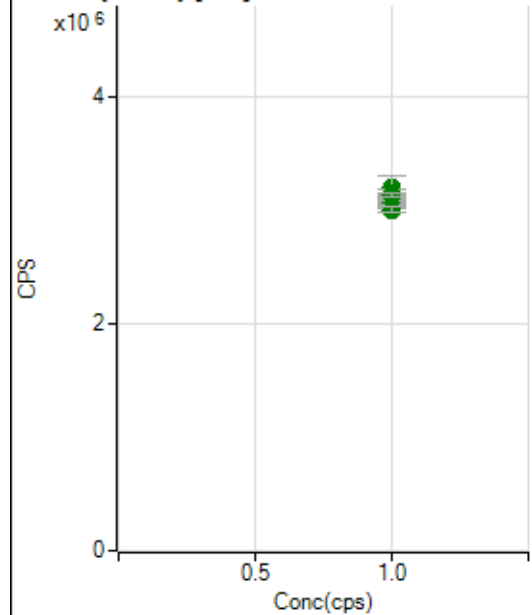
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6259188.52		A	2.0
2	☐	1.000		6288134.00		A	0.8
3	☐	1.000		5726426.30		A	7.3
4	☐	1.000		6393658.79		A	2.8
5	☐	1.000		6577189.70		A	0.5
6	☐	1.000		6776326.49		A	0.5
7	☐	1.000		6579595.11		A	1.4
8	☐	1.000		6839983.44		A	0.7

159 Tb (ISTD) [He]

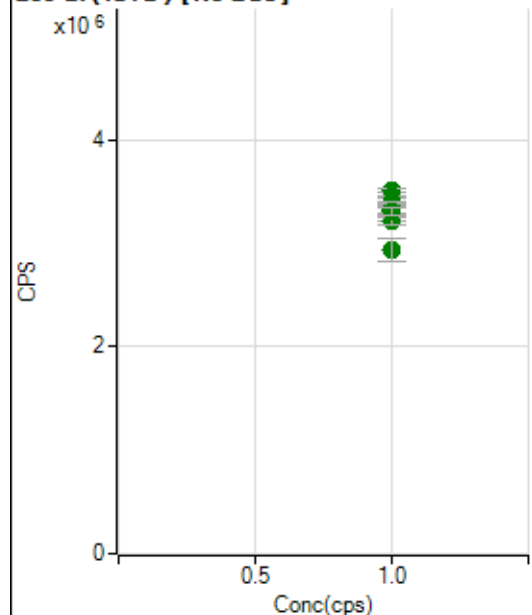
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3008604.08		A	0.8
2	☐	1.000		3124695.30		A	2.4
3	☐	1.000		3012046.93		A	1.7
4	☐	1.000		3042558.53		A	0.7
5	☐	1.000		3259369.74		A	4.4
6	☐	1.000		3119968.91		A	1.6
7	☐	1.000		3037357.73		A	0.8
8	☐	1.000		3142901.31		A	0.5

165 Ho (ISTD) [No Gas]

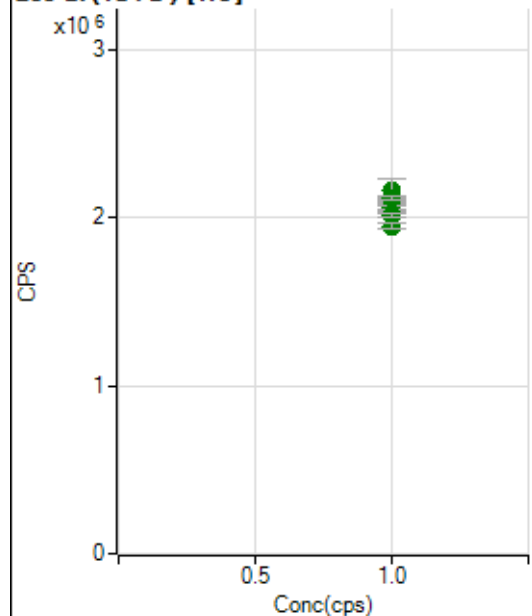
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5881860.90		A	0.9
2	☐	1.000		5822804.30		A	2.7
3	☐	1.000		5361052.64		A	6.4
4	☐	1.000		5901305.34		A	0.4
5	☐	1.000		6157477.05		A	0.3
6	☐	1.000		6317174.36		A	0.7
7	☐	1.000		6144598.49		A	1.4
8	☐	1.000		6341152.70		A	1.9

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3000232.56		A	1.1
2	☐	1.000		3101007.49		A	2.2
3	☐	1.000		3061176.55		A	2.3
4	☐	1.000		3076760.44		A	1.1
5	☐	1.000		3198980.89		A	6.6
6	☐	1.000		3158842.03		A	1.6
7	☐	1.000		3004431.76		A	1.8
8	☐	1.000		3141207.90		A	1.0

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3254066.86		A	2.7
2	☐	1.000		3218508.32		A	1.9
3	☐	1.000		2934564.02		A	7.6
4	☐	1.000		3327098.56		A	2.0
5	☐	1.000		3509247.86		A	1.1
6	☐	1.000		3451552.14		A	0.9
7	☐	1.000		3402651.62		A	0.5
8	☐	1.000		3310609.46		A	1.9

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2063445.98		A	1.9
2	☐	1.000		2109763.37		A	1.2
3	☐	1.000		2073182.63		A	2.2
4	☐	1.000		2093526.17		A	1.7
5	☐	1.000		2160947.28		A	6.4
6	☐	1.000		2121836.67		A	1.1
7	☐	1.000		2012090.04		A	1.1
8	☐	1.000		1951572.11		A	2.2