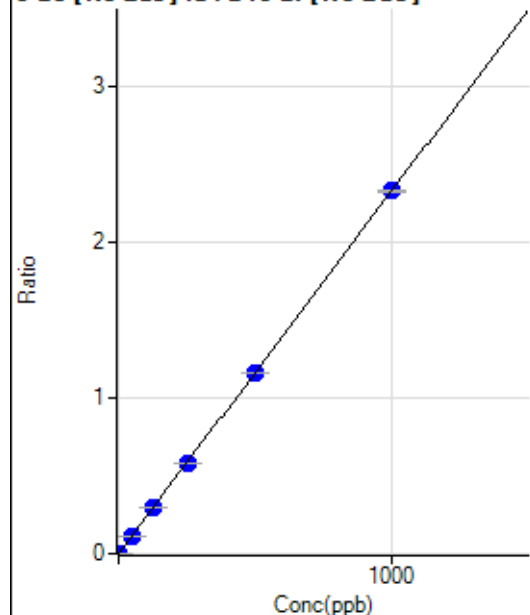


Batch Folder: D:\ICP-MS Data\P711062019 MS.b\
Analysis File: P711062019 MS.batch.bin
DA Date-Time: 2019-11-06 16:49:07
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-11-06 13:07:49
2	004CALS.d	S01	2019-11-06 13:11:23
3	005CALS.d	S02	2019-11-06 13:15:20
4	006CALS.d	S03	2019-11-06 13:19:15
5	007CALS.d	S04	2019-11-06 13:23:11
6	008CALS.d	S05	2019-11-06 13:27:02
7	009CALS.d	S06	2019-11-06 13:30:52
8	010CALS.d	S07	2019-11-06 13:34:39
9	011CALS.d	S08	2019-11-06 13:38:24

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	109.26	0.0001	P	17.9
2	☐	0.100	0.085	274.08	0.0003	P	5.1
3	☐	1.000	0.978	2007.59	0.0024	P	3.2
4	☐	50.000	49.791	98457.05	0.1160	P	1.5
5	☐	125.000	125.137	248515.24	0.2913	P	0.2
6	☐	250.000	250.066	490021.56	0.5820	P	0.2
7	☐	500.000	498.168	976865.83	1.1593	P	0.3
8	☐	1000.000	1000.893	1946778.76	2.3290	P	0.8
9	☐			416.68	0.0005	P	13.5

$$y = 0.0023 * x + 1.3487E-004$$

$$R = 1.0000$$

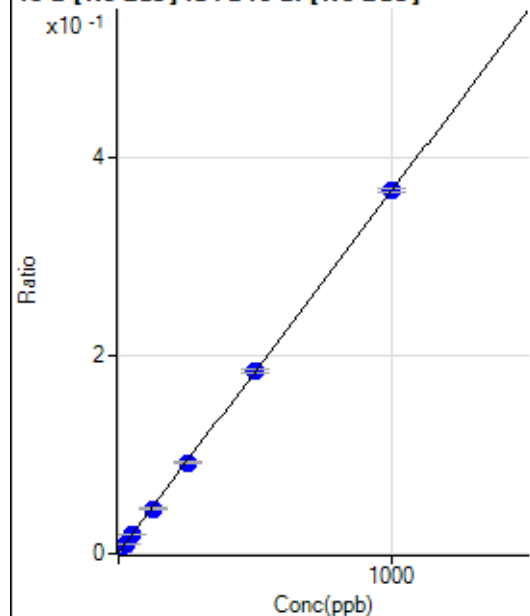
$$DL = 0.03106$$

$$BEC = 0.05796$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1205.66	0.0015	P	10.6
2	☐	2.500	2.231	1894.64	0.0023	P	7.0
3	☐	25.000	22.610	8124.73	0.0098	P	3.2
4	☐	50.000	48.573	16331.57	0.0192	P	0.2
5	☐	125.000	120.872	38954.40	0.0457	P	3.3
6	☐	250.000	247.396	77374.06	0.0919	P	1.9
7	☐	500.000	502.244	155927.47	0.1850	P	1.6
8	☐	1000.000	1000.177	306779.26	0.3670	P	1.1
9	☐			14599.26	0.0187	P	9.6

$$y = 3.6546E-004 * x + 0.0015$$

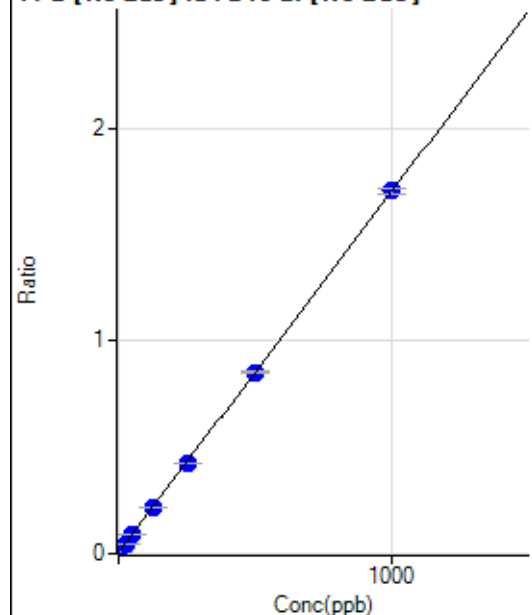
$$R = 1.0000$$

$$DL = 1.3$$

$$BEC = 4.073$$

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	5145.55	0.0064	P	5.9
2	☐	2.500	2.878	9236.52	0.0112	P	5.2
3	☐	25.000	23.982	39154.73	0.0470	P	0.7
4	☐	50.000	47.344	73493.11	0.0866	P	1.2
5	☐	125.000	123.379	183793.24	0.2154	P	2.5
6	☐	250.000	247.215	358069.91	0.4253	P	1.4
7	☐	500.000	498.388	717050.73	0.8509	P	0.7
8	☐	1000.000	1001.862	1424453.11	1.7041	P	1.4
9	☐			67521.60	0.0864	P	6.8

$$y = 0.0017 * x + 0.0064$$

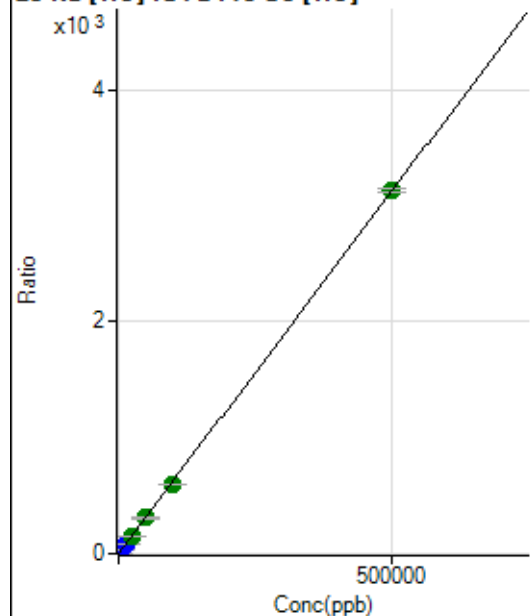
$$R = 1.0000$$

$$DL = 0.6651$$

$$BEC = 3.749$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	7730.04	0.1640	P	0.5
2	☐	50.000	50.495	22072.76	0.4791	P	0.2
3	☐	500.000	509.540	156179.47	3.3431	P	1.7
4	☐	5000.000	5084.366	1525561.94	31.8866	P	1.9
5	☐	12500.000	12602.051	3834217.92	78.7912	P	0.8
6	☐	25000.000	24475.247	7580393.75	152.8709	A	1.3
7	☐	50000.000	49130.852	15199163.54	306.7031	A	1.4
8	☐	100000.00	96085.278	31282933.34	599.6629	A	0.3
9	☐	500000.00	500892.69	160014778.5	3,125.352	A	1.2

$$y = 0.0062 * x + 0.1640$$

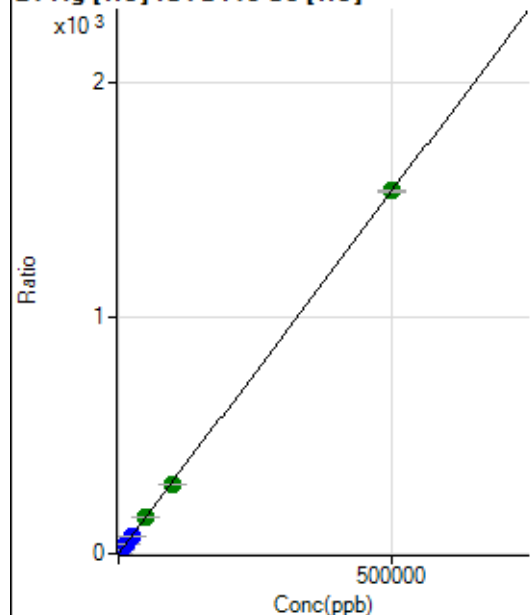
$$R = 1.0000$$

$$DL = 0.4296$$

$$BEC = 26.29$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	319.46	0.0068	P	3.1
2	☐	50.000	53.580	7899.63	0.1714	P	8.4
3	☐	500.000	540.612	77919.48	1.6680	P	2.4
4	☐	5000.000	5116.346	752496.37	15.7290	P	2.4
5	☐	12500.000	12752.687	1907257.10	39.1949	P	0.9
6	☐	25000.000	24710.578	3765688.32	75.9407	P	0.8
7	☐	50000.000	49591.054	7552591.84	152.3967	A	0.7
8	☐	100000.00	96403.711	15454625.69	296.2488	A	0.5
9	☐	500000.00	500767.10	78789958.01	1,538.829	A	0.7

$$y = 0.0031 * x + 0.0068$$

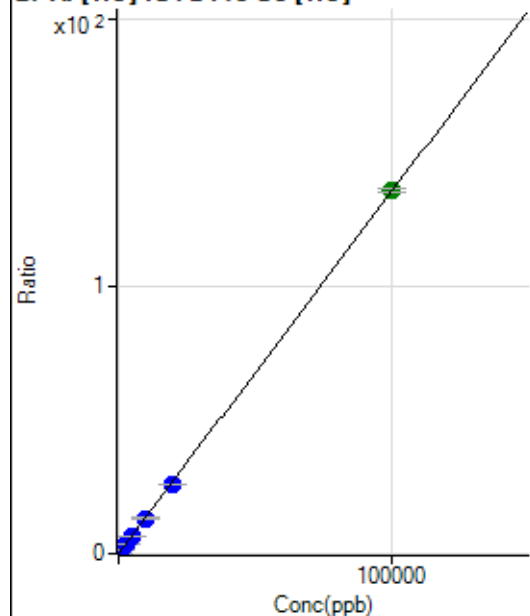
$$R = 1.0000$$

$$DL = 0.2066$$

$$BEC = 2.206$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	27.78	0.0006	P	35.2
2	☒	2.000					
3	☐	20.000	18.778	1216.77	0.0261	P	8.2
4	☐	1000.000	1000.221	64919.80	1.3569	P	1.5
5	☐	2500.000	2507.118	165458.57	3.4002	P	0.9
6	☐	5000.000	4905.458	329875.74	6.6523	P	0.9
7	☐	10000.000	9761.571	655975.75	13.2371	P	1.7
8	☐	20000.000	19007.763	1344625.93	25.7748	P	0.6
9	☐	100000.00	100226.83	6958520.73	135.9068	A	0.9

$$y = 0.0014 * x + 5.9043E-004$$

$$R = 0.9999$$

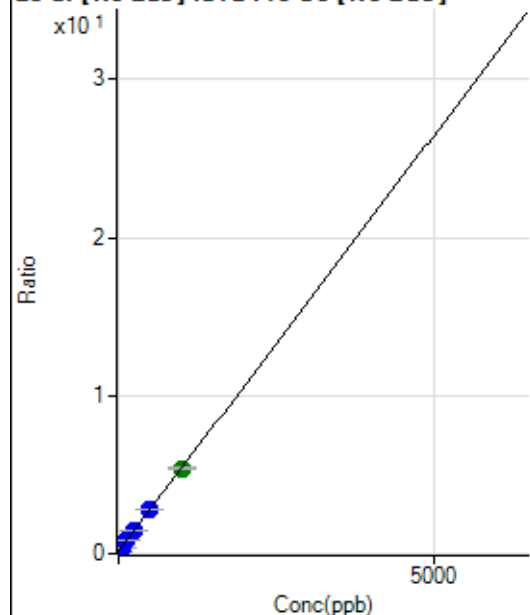
$$DL = 0.46$$

$$BEC = 0.4354$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	167859.19	0.1433	P	1.3
2	☐	1.000	0.199	170734.44	0.1444	P	1.1
3	☐	10.000	6.463	210330.24	0.1774	P	1.4
4	☐	50.000	50.838	494187.34	0.4118	P	2.2
5	☐	125.000	128.908	995696.15	0.8240	P	1.0
6	☐	250.000	253.887	1843710.31	1.4839	P	0.5
7	☐	500.000	507.781	3557527.68	2.8246	P	0.3
8	☐	1000.000	994.643	6721938.82	5.3954	A	0.7
9	☐			493026.06	0.4054	P	0.7

$$y = 0.0053 * x + 0.1433$$

$$R = 0.9999$$

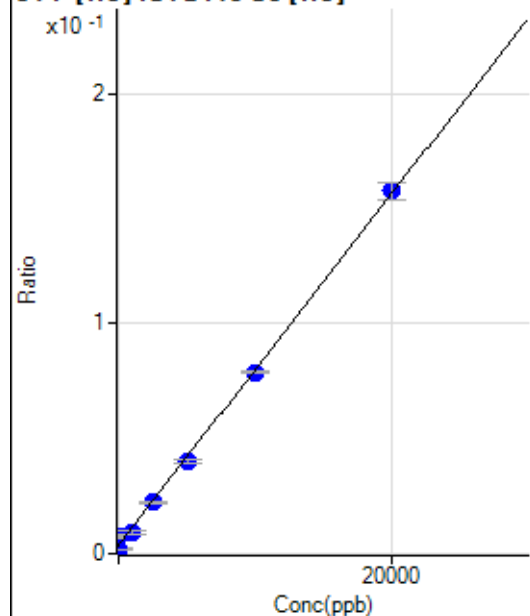
$$DL = 1.019$$

$$BEC = 27.14$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-218.285	97.23	0.0021	P	23.9
2	☐	0.000	-251.889	83.34	0.0018	P	24.7
3	☐	0.000	470.173	341.69	0.0073	P	13.0
4	☐	1000.000	742.309	450.03	0.0094	P	15.4
5	☐	2500.000	2442.962	1088.98	0.0224	P	4.1
6	☐	5000.000	4744.035	1980.76	0.0399	P	4.8
7	☐	10000.000	9829.515	3903.46	0.0788	P	0.9
8	☐	20000.000	20169.248	8227.59	0.1577	P	4.5
9	☐			91.67	0.0018	P	47.9

$$y = 7.6337E-006 * x + 0.0037$$

$$R = 0.9993$$

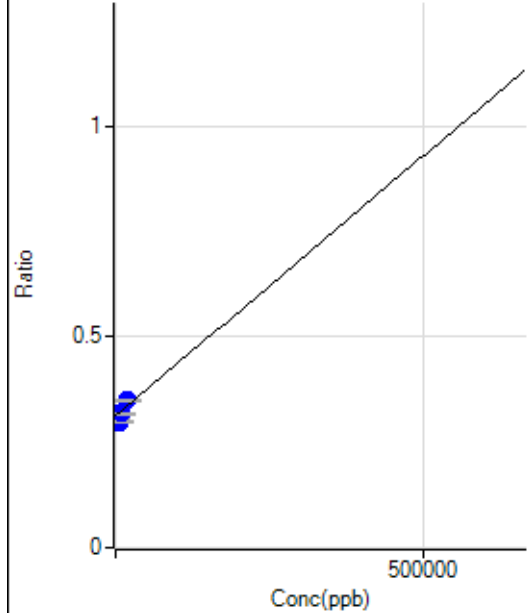
$$DL = 247.5$$

$$BEC = 488.2$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-3592.594	361844.85	0.3090	P	1.7
2	☐	0.000	-149.853	370401.48	0.3132	P	1.1
3	☐	0.000	3742.447	376956.20	0.3180	P	0.3
4	☐	1000.000	-3496.751	370974.00	0.3091	P	1.2
5	☐	2500.000	-10352.30	363272.07	0.3006	P	0.1
6	☐	5000.000	-13005.68	369445.60	0.2974	P	1.2
7	☐	10000.000	3124.950	399543.47	0.3172	P	0.4
8	☐	20000.000	29770.321	436112.50	0.3500	P	1.1
9	☐			359295.82	0.2954	P	1.0

$$y = 1.2317E-006 * x + 0.3134$$

$$R = 0.7776$$

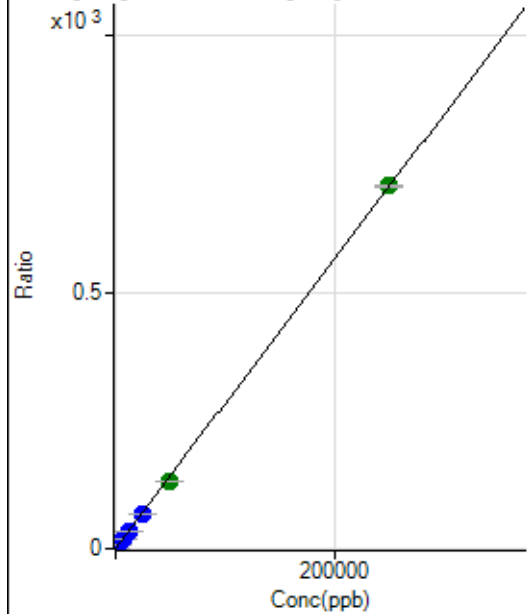
$$DL = 7654$$

$$BEC = 2.544E+05$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18217.31	0.3865	P	1.1
2	☐	50.000	54.681	24896.70	0.5404	P	1.7
3	☐	500.000	501.080	83937.68	1.7968	P	0.9
4	☐	2500.000	2390.907	340431.05	7.1154	P	1.7
5	☐	6250.000	5942.768	832675.36	17.1117	P	0.7
6	☐	12500.000	11753.594	1659477.72	33.4655	P	0.3
7	☐	25000.000	23364.191	3277835.43	66.1420	P	1.5
8	☐	50000.000	46069.752	6783966.82	130.0437	A	0.5
9	☐	250000.00	250995.71	36187435.18	706.7807	A	0.9

$$y = 0.0028 * x + 0.3865$$

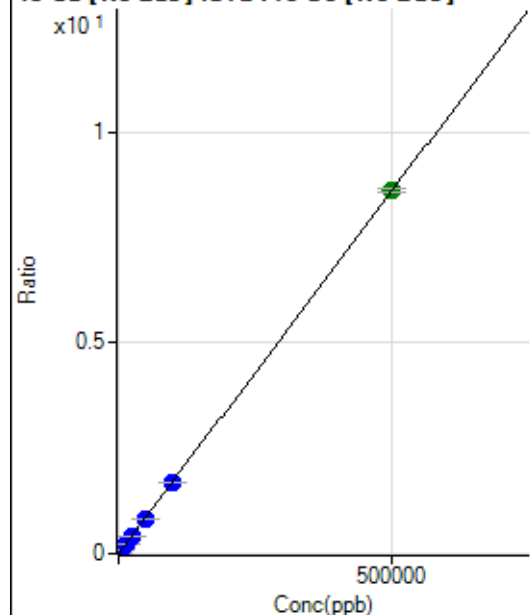
$$R = 0.9999$$

$$DL = 4.539$$

$$BEC = 137.3$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.45	0.0001	P	42.1
2	☐	50.000	49.129	1094.53	0.0009	P	11.1
3	☐	500.000	513.023	10554.10	0.0089	P	0.9
4	☐	5000.000	4901.239	101261.17	0.0844	P	1.5
5	☐	12500.000	12249.961	254665.43	0.2107	P	1.0
6	☐	25000.000	24217.890	517567.09	0.4166	P	0.4
7	☐	50000.000	48179.837	1043701.19	0.8286	P	0.4
8	☐	100000.00	97234.510	2083437.57	1.6723	P	0.1
9	☐	500000.00	500781.44	10473665.60	8.6122	A	1.2

$$y = 1.7197\text{E-}005 * x + 8.0336\text{E-}005$$

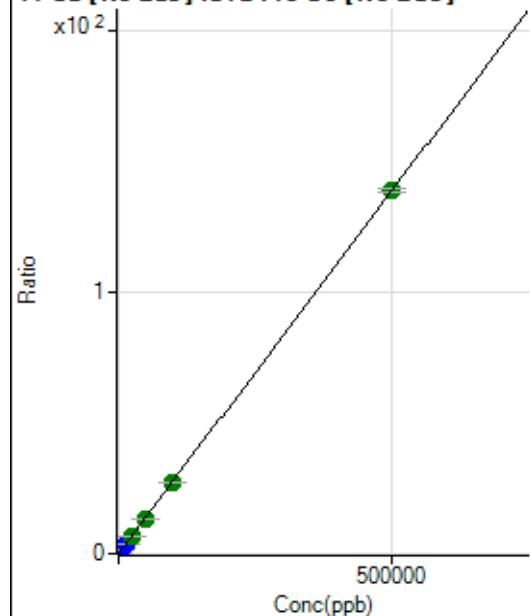
$$R = 1.0000$$

$$DL = 5.898$$

$$BEC = 4.671$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5651.29	0.0048	P	2.9
2	☐	50.000	50.308	22214.76	0.0188	P	2.2
3	☐	500.000	502.779	171101.34	0.1443	P	0.2
4	☐	5000.000	4915.261	1642824.33	1.3687	P	1.3
5	☐	12500.000	12093.094	4060721.66	3.3605	P	0.7
6	☐	25000.000	24141.978	8329080.83	6.7039	A	1.0
7	☐	50000.000	47943.378	16761593.95	13.3084	A	0.5
8	☐	100000.00	98145.221	33936229.58	27.2387	A	0.2
9	☐	500000.00	500630.53	168949403.7	138.9223	A	1.1

$$y = 2.7749\text{E-}004 * x + 0.0048$$

$$R = 1.0000$$

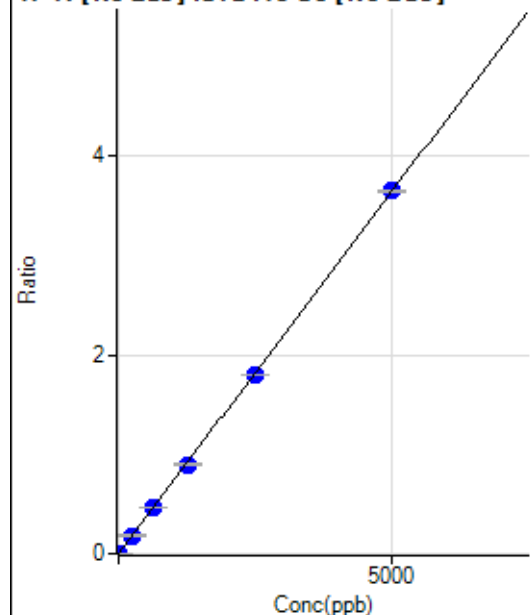
$$DL = 1.501$$

$$BEC = 17.38$$

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	61.11	0.0001	P	44.8
2	☐	0.500	0.510	500.03	0.0004	P	9.0
3	☐	5.000	5.152	4500.87	0.0038	P	3.5
4	☐	250.000	251.445	219415.79	0.1828	P	1.8
5	☐	625.000	629.473	552941.97	0.4576	P	0.6
6	☐	1250.000	1235.869	1116166.34	0.8984	P	0.5
7	☐	2500.000	2473.281	2264301.61	1.7978	P	0.1
8	☐	5000.000	5016.261	4542697.58	3.6462	P	0.3
9	☐			2316.93	0.0019	P	3.2

$$y = 7.2686E-004 * x + 5.2323E-005$$

$$R = 1.0000$$

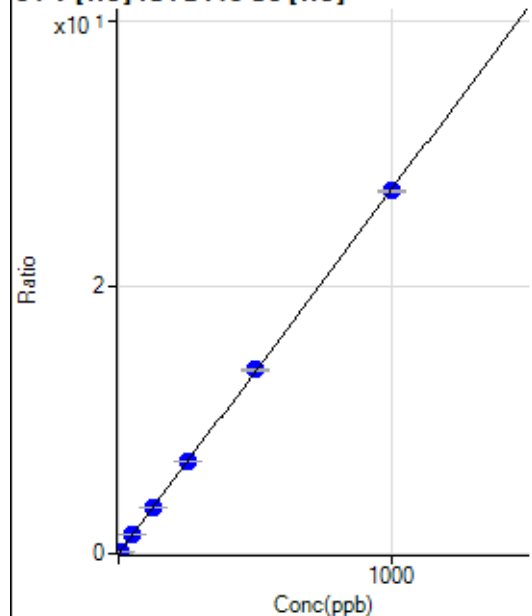
$$DL = 0.0967$$

$$BEC = 0.07199$$

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	12.22	0.0003	P	16.6
2	☐	0.500	0.554	708.92	0.0154	P	9.2
3	☐	5.000	5.690	7268.56	0.1556	P	1.5
4	☐	50.000	51.453	67221.41	1.4049	P	1.1
5	☐	125.000	128.561	170806.10	3.5101	P	0.3
6	☐	250.000	252.301	341574.32	6.8882	P	1.0
7	☐	500.000	504.861	683094.62	13.7832	P	0.3
8	☐	1000.000	996.473	1419206.21	27.2045	P	0.8
9	☐			476.68	0.0093	P	9.8

$$y = 0.0273 * x + 2.5953E-004$$

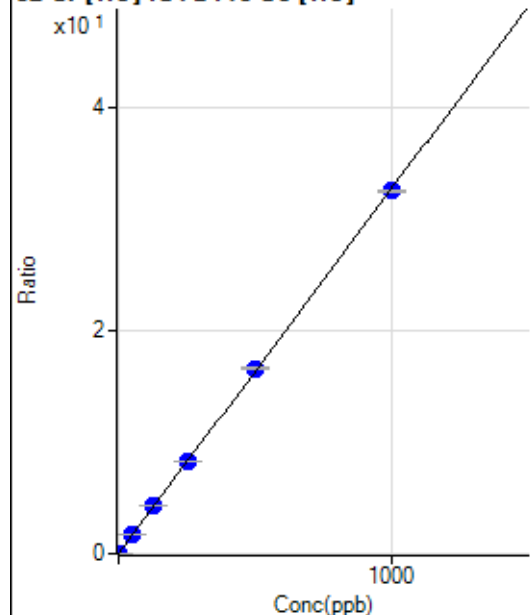
$$R = 1.0000$$

$$DL = 0.00472$$

$$BEC = 0.009506$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	526.68	0.0112	P	5.8
2	☐	0.200	0.215	837.81	0.0182	P	6.3
3	☐	2.000	2.175	3841.67	0.0822	P	2.3
4	☐	50.000	52.431	82493.80	1.7242	P	1.8
5	☐	125.000	131.106	208995.52	4.2948	P	0.7
6	☐	250.000	254.803	413372.50	8.3363	P	0.1
7	☐	500.000	507.173	821779.87	16.5818	P	0.6
8	☐	1000.000	994.328	1695336.12	32.4984	P	0.5
9	☐			68846.94	1.3446	P	0.7

$$y = 0.0327 * x + 0.0112$$

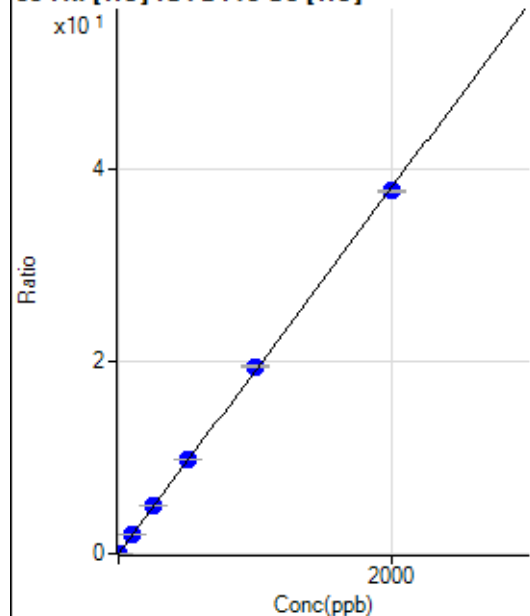
$$R = 0.9999$$

$$DL = 0.06003$$

$$BEC = 0.3421$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	113.34	0.0024	P	18.0
2	☐	0.100	0.106	203.34	0.0044	P	18.1
3	☐	1.000	1.159	1140.06	0.0244	P	5.9
4	☐	100.000	107.318	97628.29	2.0405	P	1.6
5	☐	250.000	262.604	242802.80	4.9895	P	0.3
6	☐	500.000	516.378	486397.15	9.8090	P	0.5
7	☐	1000.000	1021.070	961120.50	19.3937	P	1.0
8	☐	2000.000	1983.429	1965111.73	37.6700	P	0.5
9	☐			8191.28	0.1600	P	1.0

$$y = 0.0190 * x + 0.0024$$

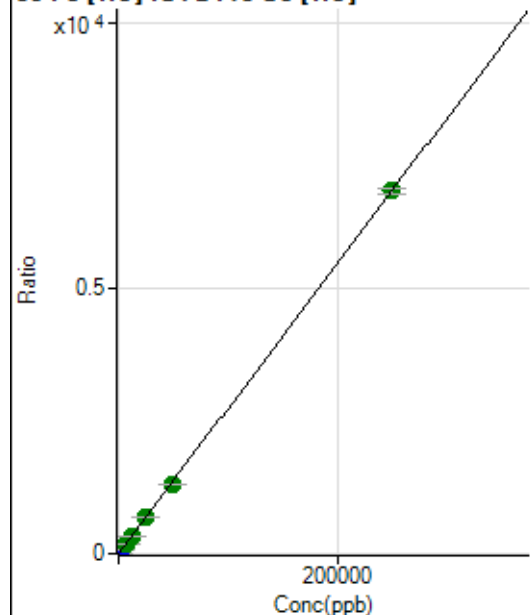
$$R = 0.9999$$

$$DL = 0.06826$$

$$BEC = 0.1264$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3767.26	0.0799	P	6.1
2	☐	5.000	5.370	10428.03	0.2263	P	3.0
3	☐	50.000	56.522	75741.44	1.6213	P	1.1
4	☐	2500.000	2596.741	3392126.29	70.8969	P	1.3
5	☐	6250.000	6355.129	8437561.01	173.3938	A	0.5
6	☐	12500.000	12529.533	16947736.72	341.7791	A	0.8
7	☐	25000.000	24955.578	33733266.96	680.6561	A	0.5
8	☐	50000.000	48111.978	68451816.81	1,312.166	A	0.3
9	☐	250000.00	250376.97	349589133.7	6,828.237	A	1.7

$$y = 0.0273 * x + 0.0799$$

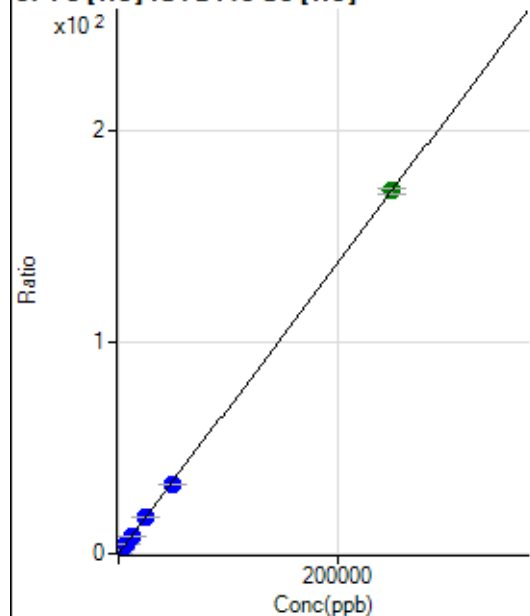
$$R = 1.0000$$

$$DL = 0.5365$$

$$BEC = 2.93$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	311.12	0.0066	P	8.6
2	☐	5.000	4.920	459.28	0.0100	P	10.3
3	☐	50.000	57.895	2163.19	0.0463	P	6.8
4	☐	2500.000	2600.010	85666.45	1.7903	P	0.2
5	☐	6250.000	6422.365	214729.33	4.4125	P	1.2
6	☐	12500.000	12527.259	426479.32	8.6007	P	0.6
7	☐	25000.000	25031.266	851345.04	17.1788	P	1.1
8	☐	50000.000	48213.063	1725808.70	33.0822	P	0.1
9	☐	250000.00	250347.58	8793095.28	171.7524	A	1.9

$$y = 6.8603E-004 * x + 0.0066$$

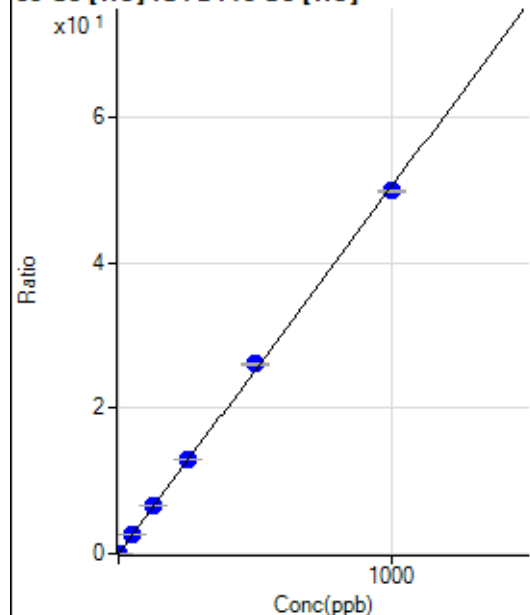
$$R = 1.0000$$

$$DL = 2.47$$

$$BEC = 9.614$$

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	80.00	0.0017	P	27.4
2	☐	0.100	0.113	341.12	0.0074	P	7.8
3	☐	1.000	1.098	2671.40	0.0572	P	2.0
4	☐	50.000	54.049	130729.17	2.7322	P	0.9
5	☐	125.000	133.034	327125.11	6.7224	P	0.3
6	☐	250.000	258.176	646842.64	13.0445	P	0.5
7	☐	500.000	516.266	1292624.36	26.0829	P	0.8
8	☐	1000.000	988.616	2605504.06	49.9456	P	0.6
9	☐			5745.65	0.1122	P	1.7

$$y = 0.0505 * x + 0.0017$$

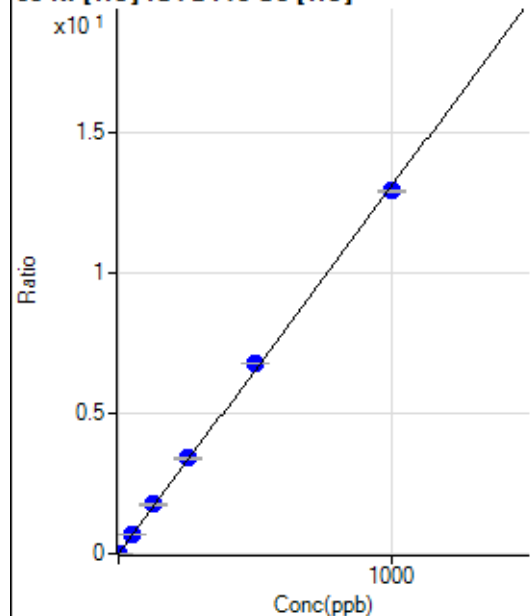
$$R = 0.9998$$

$$DL = 0.02761$$

$$BEC = 0.03362$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37.78	0.0008	P	11.0
2	☐	0.100	0.092	92.22	0.0020	P	14.9
3	☐	1.000	1.092	706.70	0.0151	P	1.8
4	☐	50.000	53.430	33560.85	0.7014	P	0.2
5	☐	125.000	133.567	85261.08	1.7521	P	0.4
6	☐	250.000	260.148	169182.40	3.4119	P	1.1
7	☐	500.000	517.163	336112.54	6.7818	P	0.4
8	☐	1000.000	987.639	675595.30	12.9507	P	0.6
9	☐			18306.10	0.3576	P	1.9

$$y = 0.0131 * x + 8.0201E-004$$

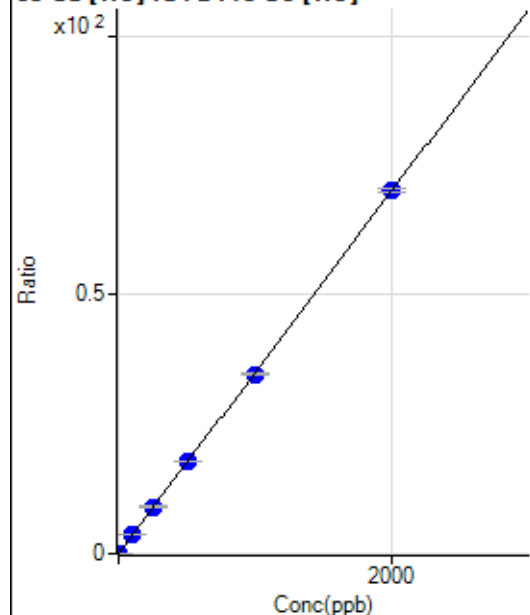
$$R = 0.9997$$

$$DL = 0.02019$$

$$BEC = 0.06117$$

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	883.38	0.0188	P	6.0
2	☒	0.200					
3	☐	2.000	2.249	4555.22	0.0975	P	3.2
4	☐	100.000	105.302	177284.71	3.7052	P	0.9
5	☐	250.000	259.209	442491.70	9.0933	P	0.4
6	☐	500.000	505.578	878591.07	17.7182	P	0.6
7	☐	1000.000	990.620	1719660.30	34.6988	P	0.8
8	☐	2000.000	2001.879	3657065.43	70.1013	P	1.2
9	☐			6916.17	0.1351	P	3.3

$$y = 0.0350 * x + 0.0188$$

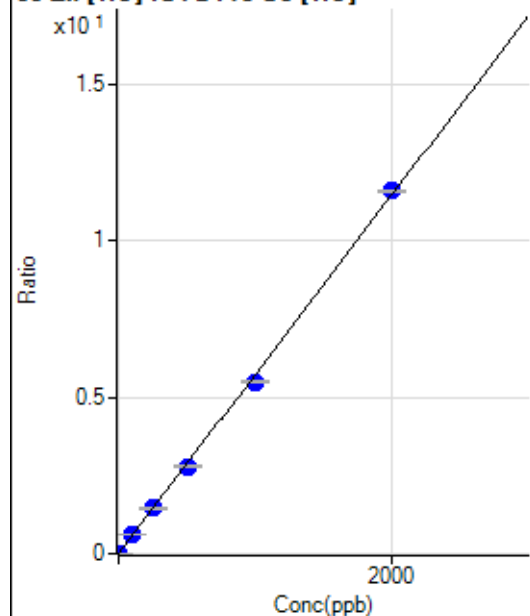
$$R = 1.0000$$

$$DL = 0.09627$$

$$BEC = 0.5356$$

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	83.34	0.0018	P	24.0
2	☒	0.200					
3	☐	2.000	2.485	747.81	0.0160	P	6.0
4	☐	100.000	102.832	28276.47	0.5909	P	1.7
5	☐	250.000	252.862	70584.14	1.4505	P	1.0
6	☐	500.000	487.588	138611.97	2.7954	P	0.9
7	☐	1000.000	956.555	271693.78	5.4823	P	0.8
8	☐	2000.000	2024.325	605131.87	11.6000	P	0.8
9	☐			7965.62	0.1556	P	3.0

$$y = 0.0057 * x + 0.0018$$

$$R = 0.9996$$

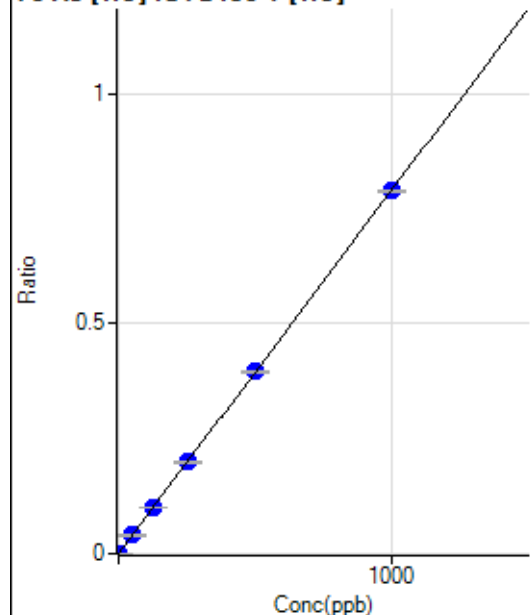
$$DL = 0.2215$$

$$BEC = 0.3081$$

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	6.79	0.0000	P	42.4
2	☐	0.100	0.080	20.37	0.0001	P	18.5
3	☐	1.000	1.065	190.13	0.0009	P	15.4
4	☐	50.000	50.593	8859.56	0.0400	P	1.6
5	☐	125.000	126.381	22463.11	0.0999	P	0.5
6	☐	250.000	251.535	45335.24	0.1988	P	1.2
7	☐	500.000	501.256	89928.38	0.3961	P	1.0
8	☐	1000.000	998.786	182305.04	0.7892	P	0.6
9	☐			70.37	0.0003	P	15.1

$$y = 7.9017\text{E-}004 * x + 3.1155\text{E-}005$$

$$R = 1.0000$$

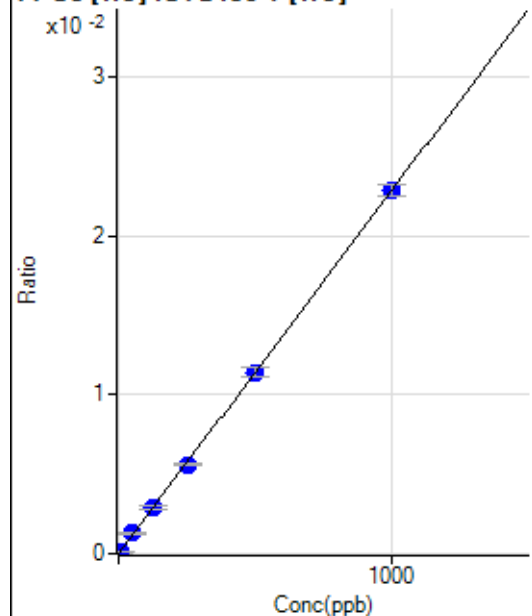
$$DL = 0.05018$$

$$BEC = 0.03943$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500	0.453	2.22	0.0000	P	86.6
3	☐	5.000	5.812	28.89	0.0001	P	24.4
4	☐	50.000	56.096	283.34	0.0013	P	7.2
5	☐	125.000	129.155	662.25	0.0029	P	8.0
6	☐	250.000	246.117	1280.08	0.0056	P	3.9
7	☐	500.000	500.441	2590.28	0.0114	P	5.1
8	☐	1000.000	999.922	5267.70	0.0228	P	3.1
9	☐			1.11	0.0000	P	173.

$$y = 2.2804\text{E-}005 * x + 0.0000\text{E+}000$$

$$R = 1.0000$$

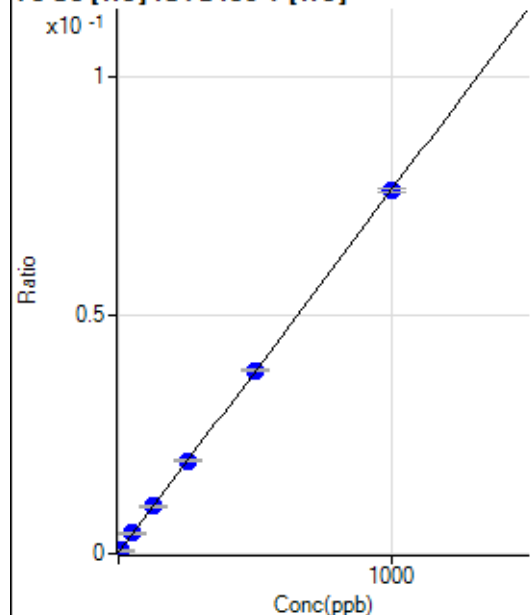
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.62	0.0002	P	15.0
2	☐	0.500	0.376	56.17	0.0003	P	9.8
3	☐	5.000	5.107	135.19	0.0006	P	7.3
4	☐	50.000	52.677	937.08	0.0042	P	3.5
5	☐	125.000	127.074	2221.80	0.0099	P	3.2
6	☐	250.000	253.013	4434.05	0.0194	P	2.3
7	☐	500.000	502.832	8721.20	0.0384	P	1.1
8	☐	1000.000	997.437	17548.35	0.0760	P	1.1
9	☐			60.49	0.0003	P	19.5

$$y = 7.5935\text{E-}005 * x + 2.3182\text{E-}004$$

$$R = 1.0000$$

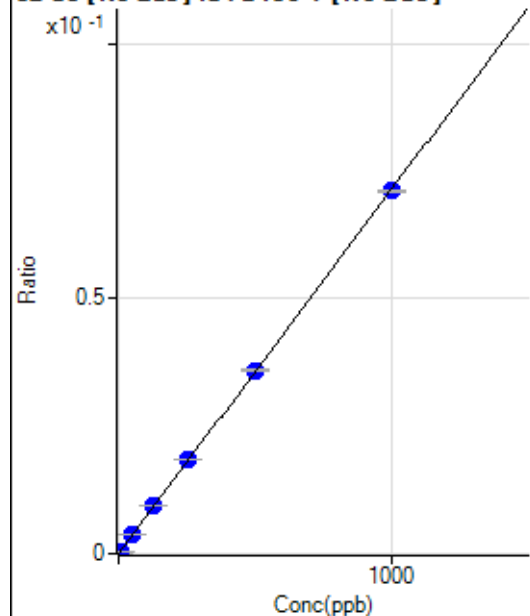
$$DL = 1.37$$

$$BEC = 3.053$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.03	0.0000	P	830.
2	☒	0.500					
3	☐	5.000	5.737	706.44	0.0004	P	8.8
4	☐	50.000	53.084	6539.31	0.0038	P	2.7
5	☐	125.000	131.295	16184.23	0.0094	P	0.9
6	☐	250.000	256.070	32123.77	0.0183	P	0.0
7	☐	500.000	502.914	64191.43	0.0359	P	0.7
8	☐	1000.000	996.080	126191.54	0.0712	P	0.5
9	☐			183.67	0.0001	P	52.4

$$y = 7.1431\text{E-}005 * x + 7.9367\text{E-}006$$

$$R = 1.0000$$

$$DL = 2.77$$

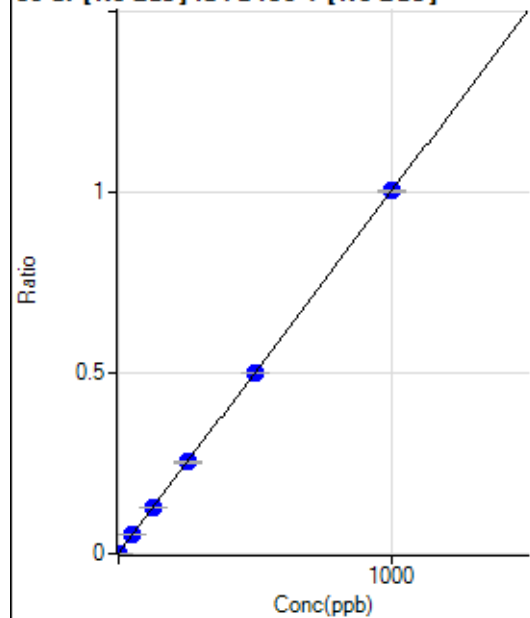
$$BEC = 0.1111$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1021.17		P	6.8
2	☐			945.60		P	4.6
3	☐			994.50		P	5.0
4	☐			903.38		P	5.5
5	☐			904.49		P	3.7
6	☐			931.16		P	4.8
7	☐			967.83		P	1.4
8	☐			1007.83		P	10.5
9	☐			1012.27		P	2.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1414.02	0.0008	P	12.6
2	☐	0.100	0.177	1725.17	0.0010	P	9.6
3	☐	1.000	1.193	3450.58	0.0020	P	3.5
4	☐	50.000	50.483	88557.13	0.0515	P	0.3
5	☐	125.000	126.122	219459.73	0.1273	P	0.6
6	☐	250.000	252.872	446486.72	0.2543	P	1.4
7	☐	500.000	497.169	891924.26	0.4993	P	0.7
8	☐	1000.000	1000.533	1780253.08	1.0039	P	0.9
9	☐			9178.26	0.0053	P	3.4

$$y = 0.0010 * x + 8.4311E-004$$

$$R = 1.0000$$

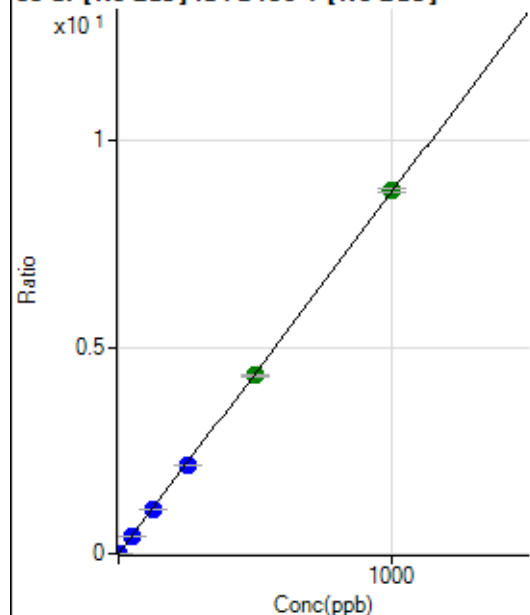
$$DL = 0.3168$$

$$BEC = 0.841$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.89	0.0000	P	58.5
2	☐	0.100	0.107	1644.61	0.0010	P	6.4
3	☐	1.000	1.078	15995.68	0.0095	P	2.9
4	☐	50.000	49.952	751376.72	0.4366	P	1.1
5	☐	125.000	123.774	1865092.73	1.0817	P	0.7
6	☐	250.000	245.035	3759071.74	2.1414	P	1.5
7	☐	500.000	494.105	7714249.83	4.3181	A	0.7
8	☐	1000.000	1004.344	15565824.13	8.7772	A	0.9
9	☐			66709.42	0.0386	P	0.8

$$y = 0.0087 * x + 3.8037E-005$$

$$R = 1.0000$$

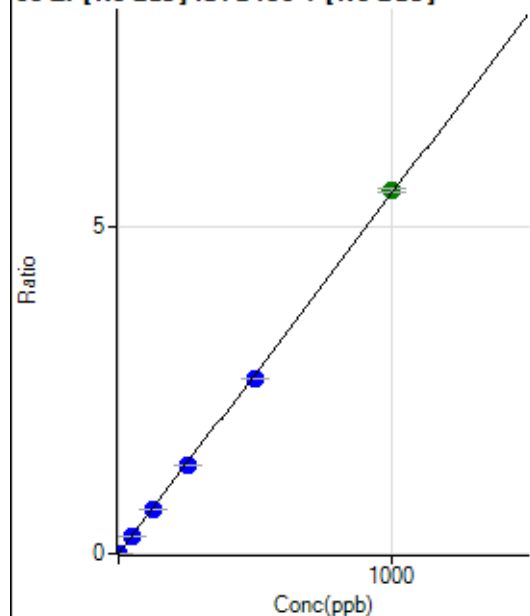
$$DL = 0.007638$$

$$BEC = 0.004352$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.11	0.0001	P	25.2
2	☐	0.100	0.090	972.30	0.0006	P	9.2
3	☐	1.000	0.917	8691.89	0.0051	P	4.6
4	☐	50.000	49.152	466297.76	0.2709	P	1.0
5	☐	125.000	124.084	1179099.14	0.6839	P	1.4
6	☐	250.000	245.414	2374180.41	1.3525	P	0.6
7	☐	500.000	485.890	4783556.05	2.6776	P	0.5
8	☐	1000.000	1008.359	9853802.91	5.5567	A	1.2
9	☐			3183.86	0.0018	P	2.4

$$y = 0.0055 * x + 8.1249E-005$$

$$R = 0.9998$$

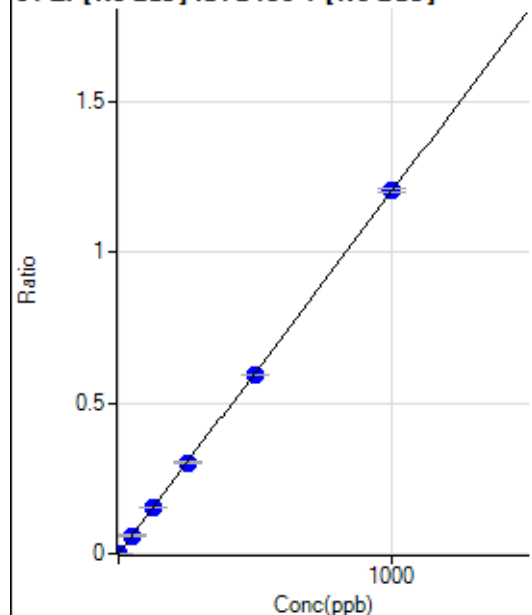
$$DL = 0.01114$$

$$BEC = 0.01474$$

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	36.11	0.0000	P	48.3
2	☐	0.100	0.078	194.46	0.0001	P	12.1
3	☐	1.000	0.844	1752.96	0.0010	P	0.2
4	☐	50.000	50.383	104313.42	0.0606	P	1.2
5	☐	125.000	126.551	262416.60	0.1522	P	0.9
6	☐	250.000	251.269	530456.50	0.3022	P	1.0
7	☐	500.000	494.503	1062361.39	0.5947	P	0.3
8	☐	1000.000	1002.219	2137166.41	1.2052	P	0.9
9	☐			716.72	0.0004	P	11.3

$$y = 0.0012 * x + 2.1555E-005$$

$$R = 1.0000$$

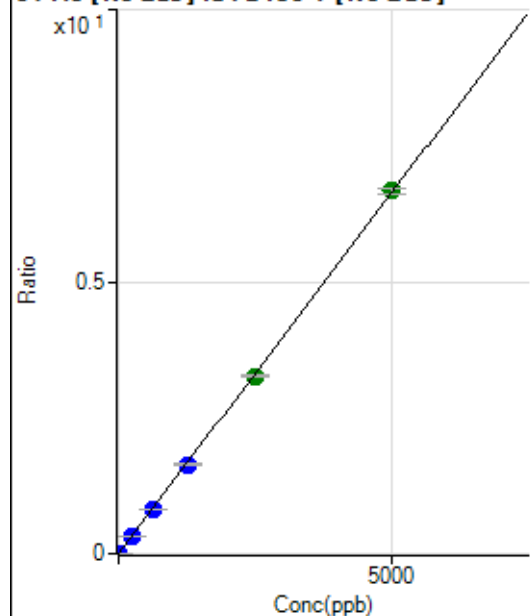
$$DL = 0.02595$$

$$BEC = 0.01793$$

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	108.34	0.0001	P	15.9
2	☐	0.500	0.471	1166.76	0.0007	P	3.3
3	☐	5.000	4.995	11327.26	0.0067	P	3.9
4	☐	250.000	246.510	563348.81	0.3273	P	2.2
5	☐	625.000	614.288	1406328.50	0.8156	P	0.7
6	☐	1250.000	1233.974	2876024.98	1.6384	P	1.0
7	☐	2500.000	2454.070	5820756.12	3.2582	A	1.1
8	☐	5000.000	5028.485	11838807.64	6.6762	A	1.5
9	☐			11252.17	0.0065	P	4.3

$$y = 0.0013 * x + 6.4653E-005$$

$$R = 0.9999$$

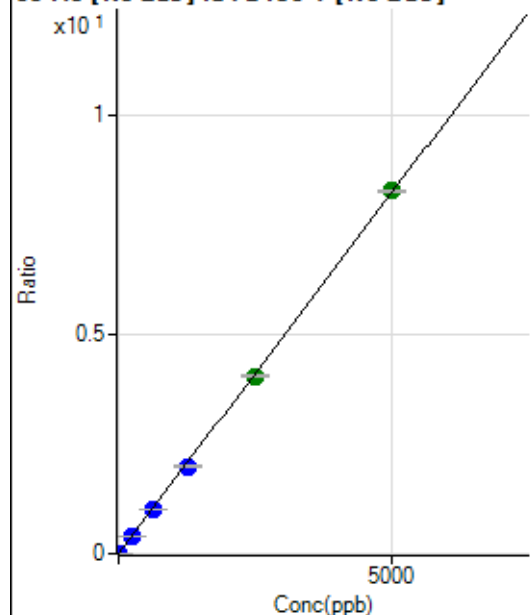
$$DL = 0.02319$$

$$BEC = 0.0487$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	75.00	0.0000	P	67.5
2	☐	0.500	0.515	1511.25	0.0009	P	16.5
3	☐	5.000	4.989	13987.86	0.0083	P	2.6
4	☐	250.000	242.599	688162.56	0.3998	P	0.6
5	☐	625.000	607.040	1724908.03	1.0004	P	2.1
6	☐	1250.000	1213.032	3509194.74	1.9991	P	1.4
7	☐	2500.000	2463.477	7252932.02	4.0598	A	0.6
8	☐	5000.000	5030.119	14700404.84	8.2895	A	0.5
9	☐			16905.02	0.0098	P	2.9

$$y = 0.0016 * x + 4.4646E-005$$

$$R = 0.9999$$

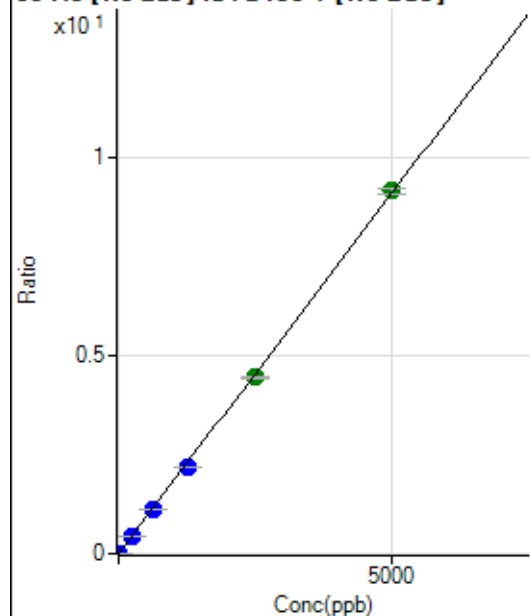
$$DL = 0.05483$$

$$BEC = 0.02709$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	133.34	0.0001	P	27.8
2	☐	0.500	0.501	1672.39	0.0010	P	6.5
3	☐	5.000	5.130	15892.75	0.0094	P	2.1
4	☐	250.000	243.358	760491.81	0.4419	P	1.2
5	☐	625.000	608.637	1905297.76	1.1050	P	0.9
6	☐	1250.000	1202.424	3832060.85	2.1830	P	1.3
7	☐	2500.000	2448.892	7942555.65	4.4458	A	1.0
8	☐	5000.000	5039.825	16224420.15	9.1495	A	1.7
9	☐			25423.59	0.0147	P	1.6

$$y = 0.0018 * x + 7.9602E-005$$

$$R = 0.9999$$

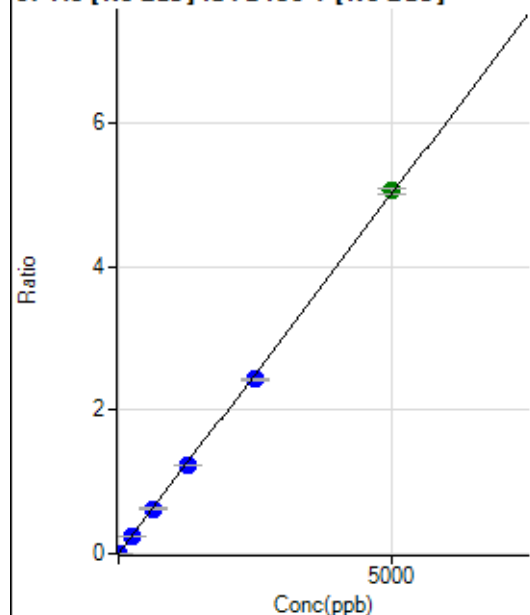
$$DL = 0.03653$$

$$BEC = 0.04385$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	83.34	0.0000	P	17.6
2	☐	0.500	0.503	936.18	0.0006	P	5.5
3	☐	5.000	5.157	8822.51	0.0052	P	5.5
4	☐	250.000	247.227	426097.63	0.2476	P	0.4
5	☐	625.000	625.728	1080250.95	0.6265	P	1.1
6	☐	1250.000	1229.718	2161403.37	1.2312	P	0.8
7	☐	2500.000	2423.899	4335540.37	2.4268	P	0.7
8	☐	5000.000	5043.169	8953811.92	5.0492	A	1.5
9	☐			10623.92	0.0061	P	3.0

$$y = 0.0010 * x + 4.9728E-005$$

$$R = 0.9998$$

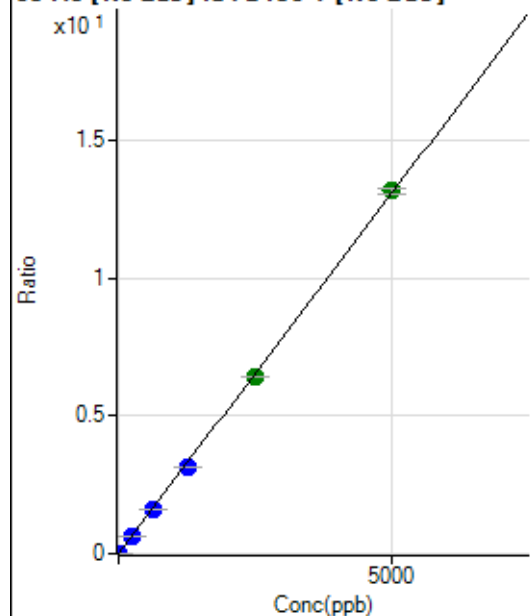
$$DL = 0.0263$$

$$BEC = 0.04967$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	113.89	0.0001	P	21.6
2	☐	0.500	0.492	2289.18	0.0014	P	5.8
3	☐	5.000	5.087	22627.12	0.0134	P	2.5
4	☐	250.000	248.652	1119668.71	0.6506	P	1.0
5	☐	625.000	614.397	2771476.10	1.6074	P	0.6
6	☐	1250.000	1205.491	5536297.52	3.1538	P	0.7
7	☐	2500.000	2453.377	11466549.65	6.4184	A	0.1
8	☐	5000.000	5035.832	23361896.36	13.1744	A	1.5
9	☐			26929.28	0.0156	P	2.6

$$y = 0.0026 * x + 6.7976E-005$$

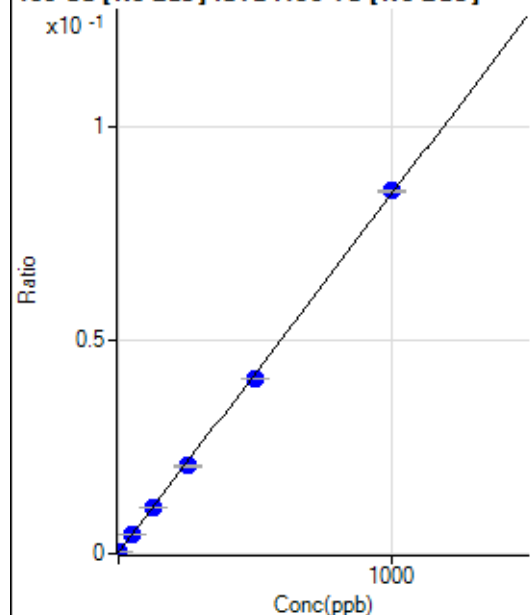
$$R = 0.9999$$

$$DL = 0.01686$$

$$BEC = 0.02598$$

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	519.48	0.0003	P	15.7
2	☐	0.100	0.274	563.92	0.0003	P	10.6
3	☐	1.000	1.298	736.16	0.0004	P	5.5
4	☐	50.000	51.020	8847.57	0.0046	P	4.9
5	☐	125.000	124.609	21241.71	0.0107	P	0.7
6	☐	250.000	243.517	41598.45	0.0207	P	2.2
7	☐	500.000	485.119	83756.64	0.0410	P	0.7
8	☐	1000.000	1009.059	171075.70	0.0851	P	0.6
9	☐			719.49	0.0004	P	6.5

$$y = 8.4029\text{E-}005 * x + 2.6965\text{E-}004$$

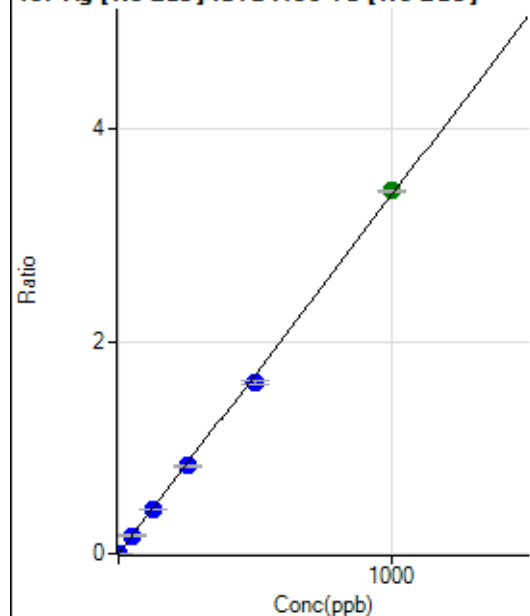
$$R = 0.9998$$

$$DL = 1.516$$

$$BEC = 3.209$$

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	47.22	0.0000	P	26.6
2	☐	0.100	0.087	611.15	0.0003	P	4.2
3	☐	1.000	0.998	6596.28	0.0034	P	4.6
4	☐	50.000	50.820	333226.77	0.1716	P	1.2
5	☐	125.000	124.267	829758.61	0.4196	P	0.9
6	☐	250.000	245.685	1664150.58	0.8295	P	1.9
7	☐	500.000	477.662	3291656.09	1.6127	P	1.5
8	☐	1000.000	1012.298	6873676.46	3.4177	A	0.6
9	☐			1675.17	0.0009	P	8.4

$$y = 0.0034 * x + 2.4488\text{E-}005$$

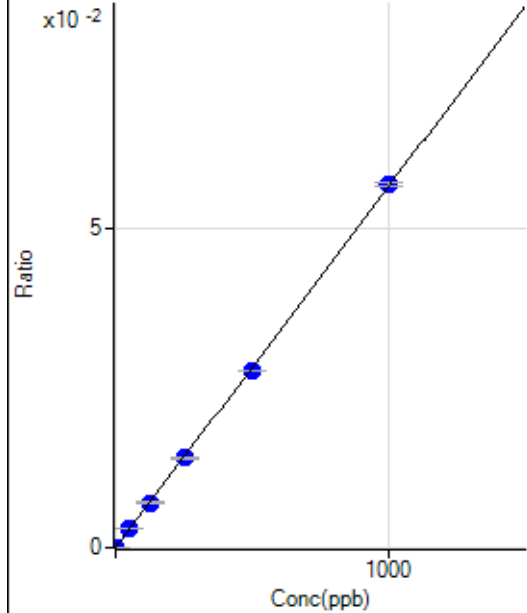
$$R = 0.9996$$

$$DL = 0.005795$$

$$BEC = 0.007253$$

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	1.39	0.0000	P	173.
2	☐	0.100	0.152	18.06	0.0000	P	35.0
3	☐	1.000	1.160	129.17	0.0001	P	9.2
4	☐	50.000	51.773	5701.26	0.0029	P	1.4
5	☐	125.000	124.020	13907.10	0.0070	P	2.3
6	☐	250.000	249.242	28350.92	0.0141	P	1.3
7	☐	500.000	490.350	56745.42	0.0278	P	0.4
8	☐	1000.000	1005.048	114601.46	0.0570	P	1.2
9	☐			40.28	0.0000	P	30.1

$$y = 5.6694\text{E-}005 * x + 7.2340\text{E-}007$$

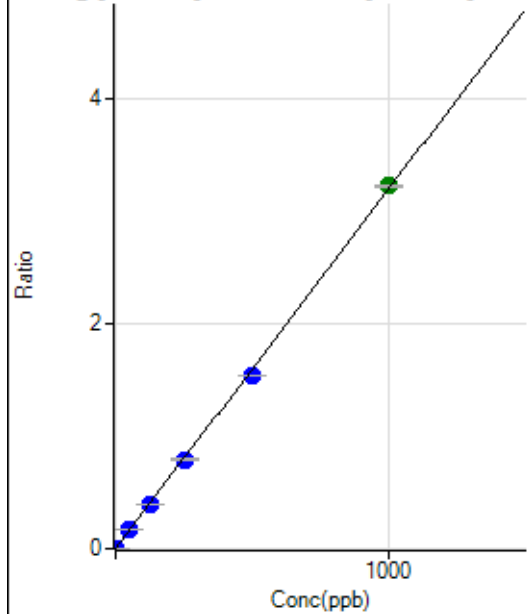
$$R = 0.9999$$

$$DL = 0.0663$$

$$BEC = 0.01276$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.00	0.0000	P	32.9
2	☐	0.100	0.086	555.59	0.0003	P	2.1
3	☐	1.000	0.992	6176.65	0.0032	P	3.4
4	☐	50.000	52.245	323835.83	0.1668	P	0.4
5	☐	125.000	125.201	790309.46	0.3996	P	0.7
6	☐	250.000	247.241	1583125.24	0.7891	P	1.3
7	☐	500.000	482.414	3142722.03	1.5397	P	0.6
8	☐	1000.000	1009.345	6478942.20	3.2214	A	0.2
9	☐			1530.70	0.0008	P	10.1

$$y = 0.0032 * x + 1.2961\text{E-}005$$

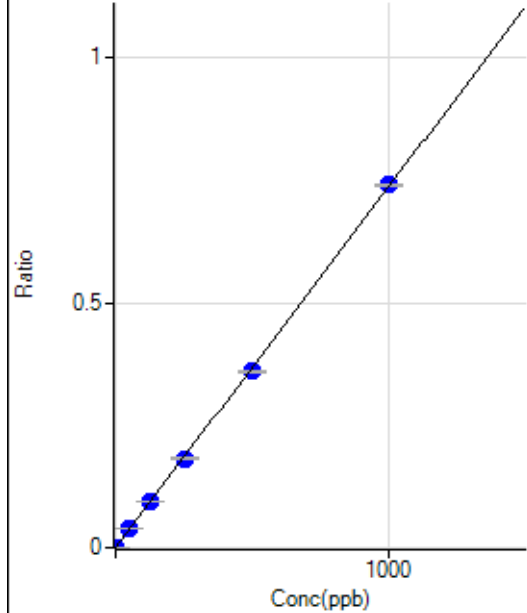
$$R = 0.9998$$

$$DL = 0.004012$$

$$BEC = 0.004061$$

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	386.27	0.0002	P	13.7
2	☐	0.100	0.121	558.50	0.0003	P	3.2
3	☐	1.000	1.065	1915.28	0.0010	P	2.5
4	☐	50.000	51.998	74784.01	0.0385	P	1.0
5	☐	125.000	126.198	184282.18	0.0932	P	1.3
6	☐	250.000	246.682	365033.35	0.1819	P	1.2
7	☐	500.000	489.606	736692.49	0.3609	P	1.0
8	☐	1000.000	1005.777	1490736.13	0.7412	P	0.2
9	☐			899.07	0.0005	P	4.2

$$y = 7.3675E-004 * x + 2.0049E-004$$

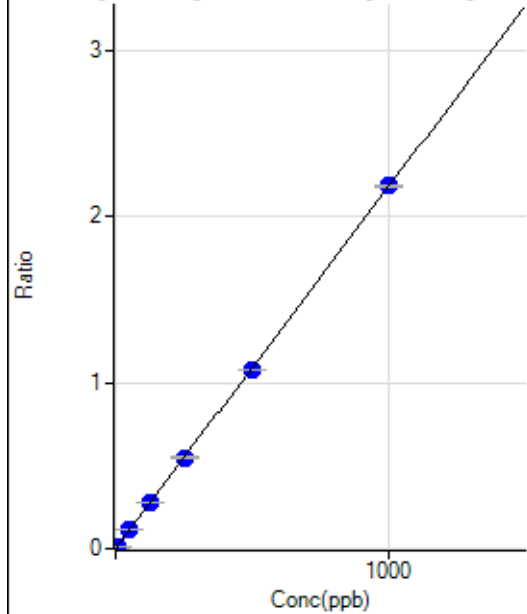
$$R = 0.9999$$

$$DL = 0.1116$$

$$BEC = 0.2721$$

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	316.68	0.0002	P	21.2
2	☐	0.500	0.522	2511.45	0.0013	P	5.4
3	☐	5.000	5.330	22916.77	0.0118	P	1.4
4	☐	50.000	52.432	222454.30	0.1145	P	0.9
5	☐	125.000	126.467	545929.16	0.2761	P	2.0
6	☐	250.000	251.213	1099856.64	0.5482	P	1.5
7	☐	500.000	493.879	2199501.44	1.0776	P	0.6
8	☐	1000.000	1002.450	4398675.79	2.1871	P	0.8
9	☐			2789.29	0.0015	P	5.1

$$y = 0.0022 * x + 1.6439E-004$$

$$R = 1.0000$$

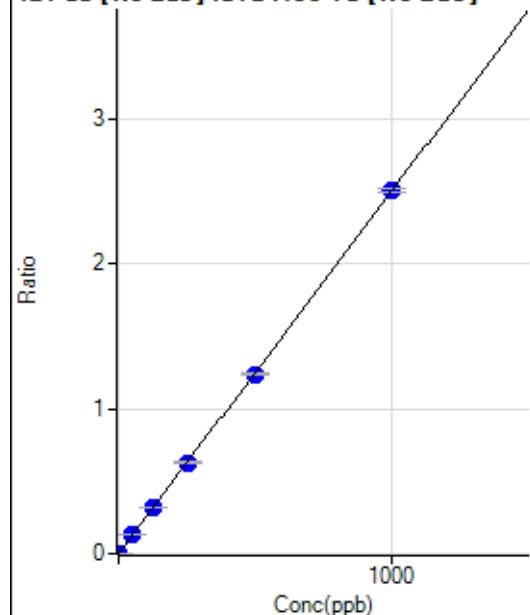
$$DL = 0.04795$$

$$BEC = 0.07536$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	108.34	0.0001	P	26.2
2	☐	0.200	0.186	1002.86	0.0005	P	6.5
3	☐	2.000	1.975	9687.10	0.0050	P	2.7
4	☐	50.000	51.583	250136.87	0.1288	P	1.6
5	☐	125.000	126.875	626320.54	0.3167	P	1.9
6	☐	250.000	252.061	1262283.10	0.6291	P	1.5
7	☐	500.000	495.109	2522311.75	1.2357	P	0.8
8	☐	1000.000	1001.617	5027850.89	2.4999	P	0.9
9	☐			5623.62	0.0030	P	2.7

$$y = 0.0025 * x + 5.6172E-005$$

$$R = 1.0000$$

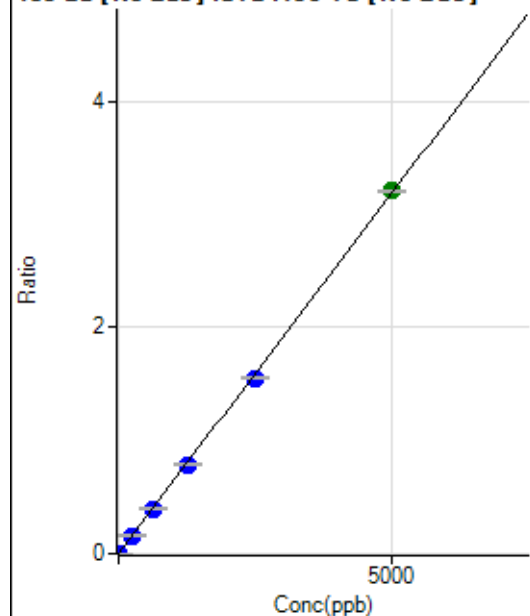
$$DL = 0.01768$$

$$BEC = 0.02251$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	32.9
2	☐	1.000	0.946	1227.89	0.0006	P	4.0
3	☐	10.000	10.296	12814.87	0.0066	P	0.6
4	☐	250.000	252.676	312661.80	0.1610	P	1.1
5	☐	625.000	626.492	789433.85	0.3992	P	0.2
6	☐	1250.000	1238.191	1582646.24	0.7888	P	1.2
7	☐	2500.000	2434.102	3165293.49	1.5507	P	0.9
8	☐	5000.000	5035.580	6452150.23	3.2081	A	0.6
9	☐			1714.07	0.0009	P	19.8

$$y = 6.3707E-004 * x + 3.4576E-005$$

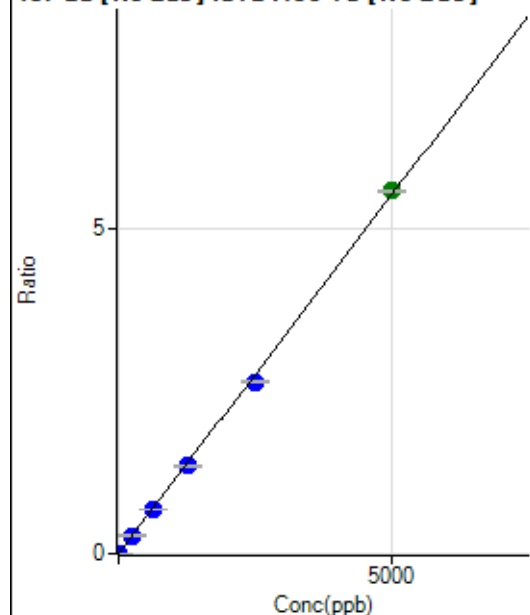
$$R = 0.9999$$

$$DL = 0.05351$$

$$BEC = 0.05427$$

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	75.00	0.0000	P	10.7
2	☐	1.000	1.058	2325.31	0.0012	P	7.1
3	☐	10.000	10.364	22299.23	0.0115	P	1.0
4	☐	250.000	253.430	543070.99	0.2797	P	1.7
5	☐	625.000	621.806	1356950.73	0.6861	P	0.3
6	☐	1250.000	1223.474	2708406.66	1.3500	P	1.1
7	☐	2500.000	2394.399	5392565.83	2.6419	P	0.9
8	☐	5000.000	5059.659	11228050.69	5.5827	A	0.5
9	☐			2875.43	0.0015	P	8.3

$$y = 0.0011 * x + 3.8906E-005$$

$$R = 0.9997$$

$$DL = 0.01134$$

$$BEC = 0.03526$$

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	86.6
2	☐			8.89		P	43.3
3	☐			11.11		P	124.
4	☐			31.11		P	49.5
5	☐			71.11		P	14.3
6	☐			97.78		P	41.1
7	☐			244.46		P	21.9
8	☐			502.25		P	15.9
9	☐			57.78		P	6.7

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			7.78		P	65.5
2	☐			6.67		P	50.0
3	☐			7.78		P	24.7
4	☐			3.33		P	173.
5	☐			13.33		P	50.0
6	☐			13.33		P	75.0
7	☐			20.00		P	28.9
8	☐			55.56		P	18.3
9	☐			30.00		P	61.9

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	21.6
2	☐			41.67		P	34.7
3	☐			16.67		P	50.0
4	☐			25.00		P	33.3
5	☐			33.33		P	50.0
6	☐			50.00		P	33.3
7	☐			44.45		P	47.2
8	☐			97.23		P	32.5
9	☐			58.34		P	49.5

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			15.55		P	44.6
2	☐			11.11		P	45.8
3	☐			12.22		P	15.7
4	☐			20.00		P	28.9
5	☐			33.33		P	17.3
6	☐			35.56		P	14.3
7	☐			74.45		P	9.3
8	☐			131.11		P	1.5
9	☐			30.00		P	33.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			30.56		P	63.0
2	☐			25.00		P	33.3
3	☐			33.33		P	90.1
4	☐			25.00		P	33.3
5	☐			33.34		P	25.0
6	☐			27.78		P	62.5
7	☐			41.67		P	40.0
8	☐			61.12		P	34.3
9	☐			38.89		P	24.7

160 Gd [He] No available calibration points

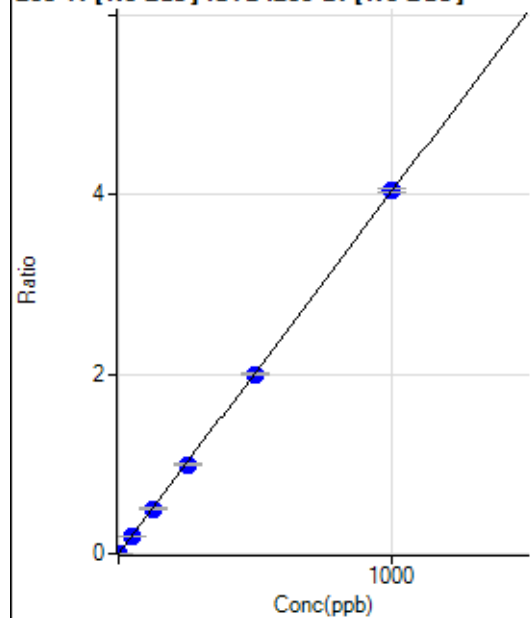
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			37.78		P	18.4
2	☐			38.89		P	40.5
3	☐			46.67		P	31.1
4	☐			45.56		P	37.5
5	☐			44.45		P	35.4
6	☐			47.78		P	47.5
7	☐			43.33		P	53.9
8	☐			63.33		P	13.9
9	☐			62.22		P	32.7

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			16.67		P	NaN
2	☐			33.33		P	43.3
3	☐			36.11		P	48.0
4	☐			16.67		P	50.0
5	☐			36.11		P	13.3
6	☐			33.33		P	50.0
7	☐			30.56		P	31.5
8	☐			33.33		P	109.
9	☐			16.66		P	86.6

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			20.00		P	28.9
2	☐			24.44		P	31.5
3	☐			32.22		P	21.5
4	☐			23.33		P	51.5
5	☐			46.66		P	12.4
6	☐			27.78		P	27.7
7	☐			27.78		P	6.9
8	☐			36.67		P	65.5
9	☐			31.11		P	12.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	469.48	0.0004	P	13.2
2	☐	0.100	0.091	900.07	0.0008	P	1.9
3	☐	1.000	0.984	5153.99	0.0044	P	4.4
4	☐	50.000	49.855	239371.27	0.2015	P	1.0
5	☐	125.000	124.576	601860.92	0.5028	P	1.0
6	☐	250.000	246.304	1197370.88	0.9937	P	1.5
7	☐	500.000	496.149	2403859.88	2.0013	P	0.7
8	☐	1000.000	1002.910	4630284.65	4.0449	P	1.1
9	☐			2019.69	0.0020	P	5.4

$$y = 0.0040 * x + 3.9951E-004$$

$$R = 1.0000$$

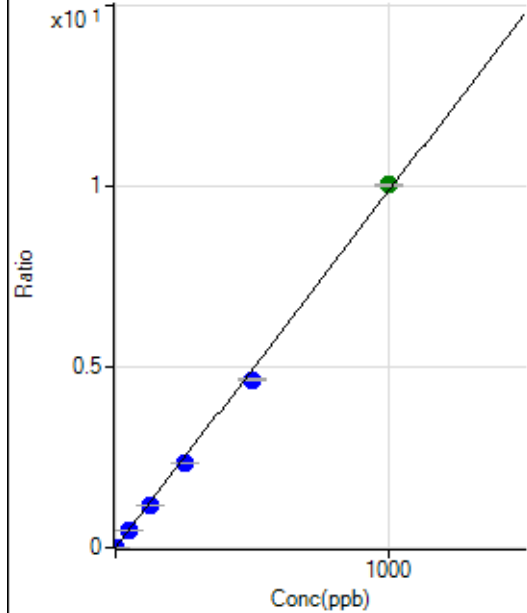
$$DL = 0.0393$$

$$BEC = 0.09907$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	627.82	0.0005	P	6.1
2	☐	0.100	0.091	1683.52	0.0014	P	5.3
3	☐	1.000	0.976	11994.81	0.0102	P	2.4
4	☐	50.000	48.541	569823.05	0.4796	P	0.2
5	☐	125.000	120.338	1422267.83	1.1881	P	0.5
6	☐	250.000	237.872	2829304.55	2.3480	P	1.5
7	☐	500.000	471.388	5588130.03	4.6525	P	0.5
8	☐	1000.000	1017.994	11500744.09	10.0468	A	0.4
9	☐			4375.92	0.0044	P	12.4

$$y = 0.0099 * x + 5.3431E-004$$

$$R = 0.9993$$

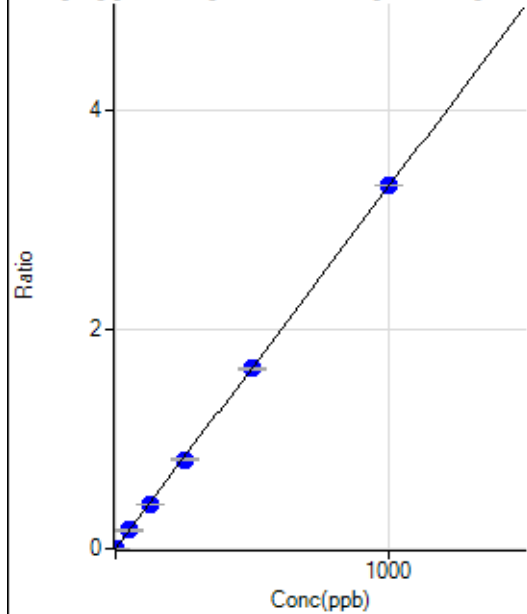
$$DL = 0.009854$$

$$BEC = 0.05414$$

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	779.68	0.0007	P	11.7
2	☐	0.100	0.095	1151.94	0.0010	P	1.4
3	☐	1.000	0.967	4543.50	0.0039	P	5.1
4	☐	50.000	50.322	197983.71	0.1666	P	0.4
5	☐	125.000	123.513	488426.24	0.4080	P	0.4
6	☐	250.000	246.762	981426.53	0.8145	P	1.6
7	☐	500.000	497.274	1970668.30	1.6407	P	0.5
8	☐	1000.000	1002.342	3784837.21	3.3063	P	0.2
9	☐			10886.19	0.0109	P	0.8

$$y = 0.0033 * x + 6.6381E-004$$

$$R = 1.0000$$

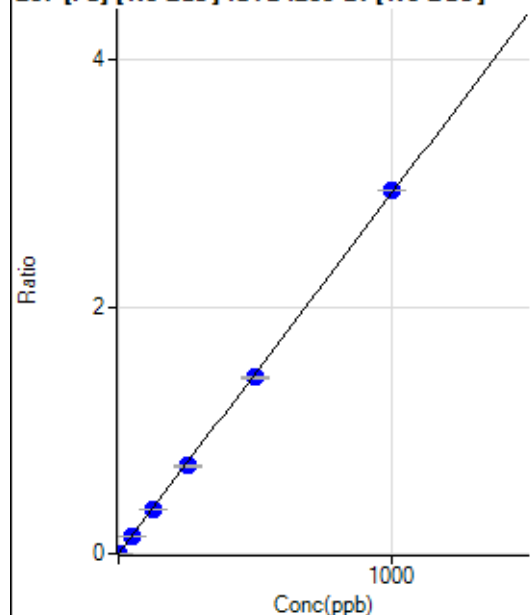
$$DL = 0.07088$$

$$BEC = 0.2013$$

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	683.37	0.0006	P	6.2
2	☐	0.100	0.118	1090.82	0.0009	P	2.7
3	☐	1.000	1.016	4182.26	0.0035	P	5.6
4	☐	50.000	49.850	173547.74	0.1461	P	1.0
5	☐	125.000	122.734	429458.45	0.3588	P	0.6
6	☐	250.000	243.583	857254.72	0.7114	P	1.3
7	☐	500.000	489.356	1715863.75	1.4286	P	1.5
8	☐	1000.000	1007.217	3365366.08	2.9399	P	0.0
9	☐			9820.53	0.0099	P	1.5

$$y = 0.0029 * x + 5.8148E-004$$

$$R = 0.9999$$

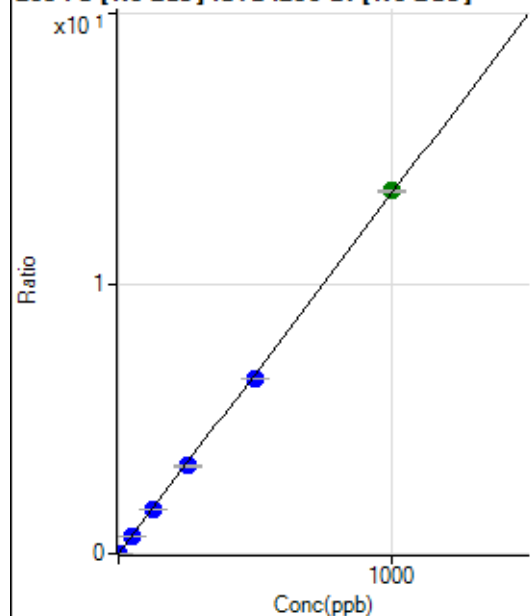
$$DL = 0.03683$$

$$BEC = 0.1993$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2840.94	0.0024	P	3.7
2	☐	0.100	0.093	4311.49	0.0037	P	4.7
3	☐	1.000	0.994	18464.79	0.0157	P	2.4
4	☐	50.000	49.923	792903.66	0.6673	P	0.9
5	☐	125.000	122.544	1956603.78	1.6345	P	0.5
6	☐	250.000	244.569	3927812.89	3.2597	P	1.4
7	☐	500.000	486.911	7791926.33	6.4872	P	0.2
8	☐	1000.000	1008.213	15373663.66	13.4301	A	0.2
9	☐			43922.12	0.0441	P	0.9

$$y = 0.0133 * x + 0.0024$$

$$R = 0.9999$$

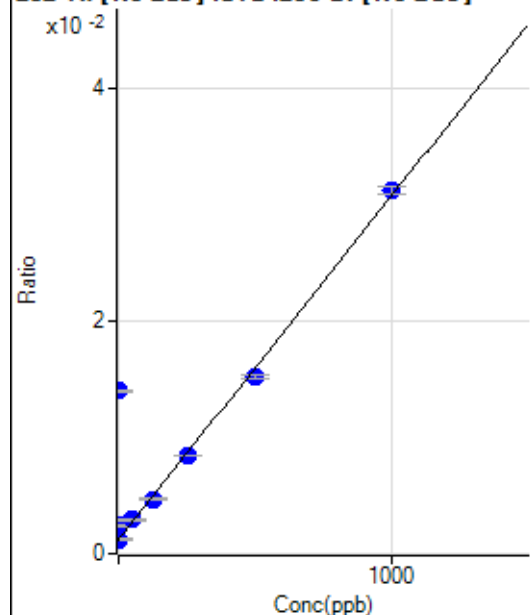
$$DL = 0.02037$$

$$BEC = 0.1816$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1429.76	0.0012	P	8.9
2	☐	0.100	41.395	2872.64	0.0024	P	5.6
3	☐	1.000	432.540	16505.27	0.0140	P	1.7
4	☐	50.000	57.208	3454.26	0.0029	P	1.7
5	☐	125.000	117.104	5597.65	0.0047	P	2.1
6	☐	250.000	244.062	10154.29	0.0084	P	1.2
7	☐	500.000	474.164	18283.60	0.0152	P	2.1
8	☐	1000.000	1014.593	35701.32	0.0312	P	2.3
9	☐			1485.32	0.0015	P	5.9

$$y = 2.9539\text{E-}005 * x + 0.0012$$

$$R = 0.9033$$

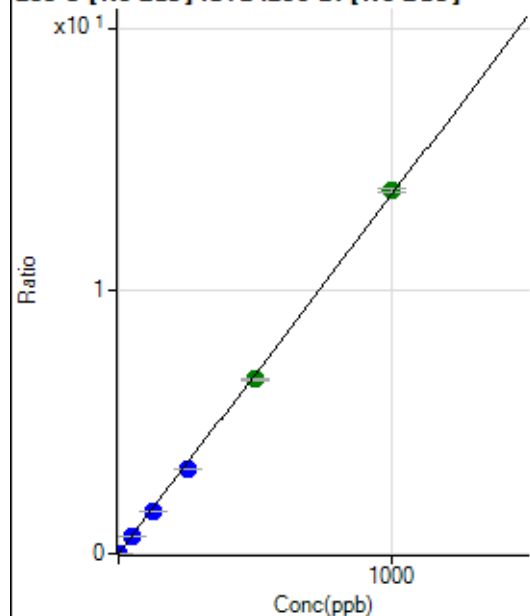
$$DL = 10.95$$

$$BEC = 41.2$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2189.17	0.0019	P	5.9
2	☐	0.100	0.108	3925.78	0.0033	P	2.9
3	☐	1.000	0.975	17907.59	0.0152	P	2.0
4	☐	50.000	47.964	780702.65	0.6570	P	1.2
5	☐	125.000	119.266	1952496.87	1.6310	P	0.3
6	☐	250.000	236.086	3888391.75	3.2268	P	0.6
7	☐	500.000	486.012	7976239.50	6.6407	A	0.6
8	☐	1000.000	1011.291	15815538.55	13.8160	A	1.0
9	☐			4042.47	0.0041	P	4.4

$$y = 0.0137 * x + 0.0019$$

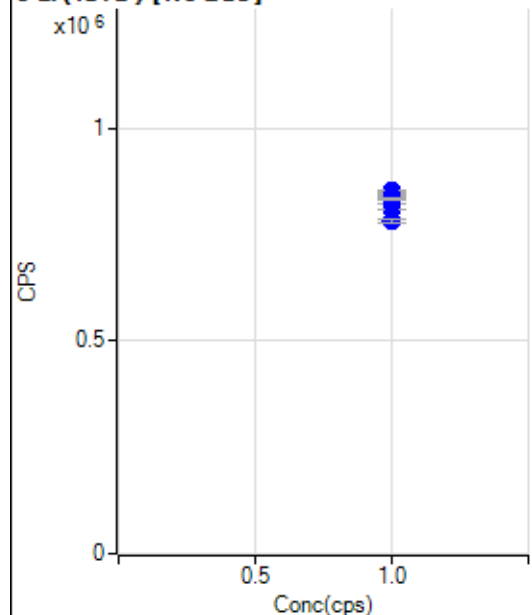
$$R = 0.9997$$

$$DL = 0.02417$$

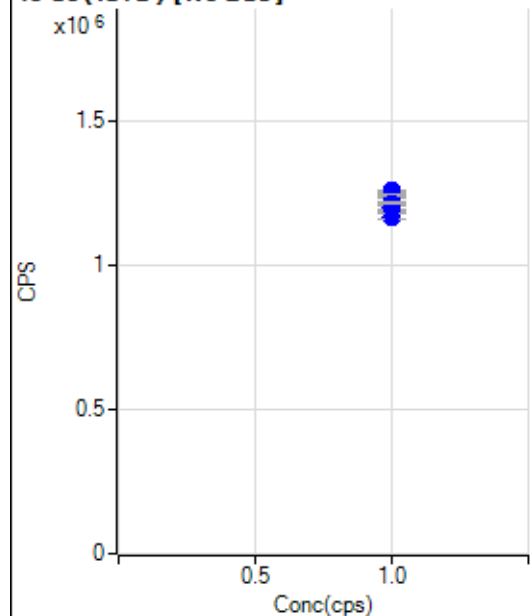
$$BEC = 0.1364$$

Weight: <None>

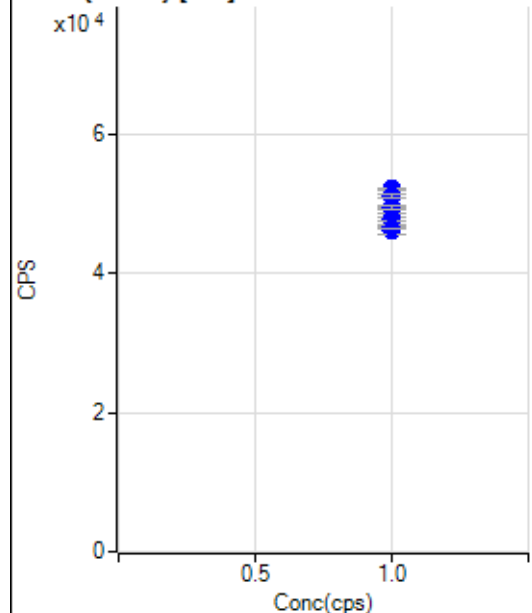
Min Conc: 0

6 Li (ISTD) [No Gas]

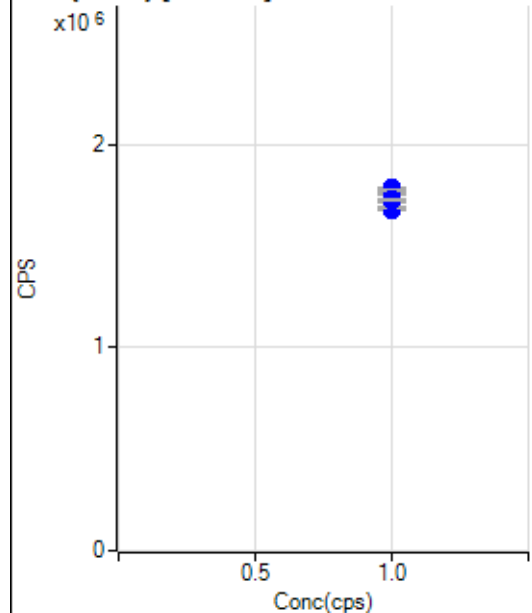
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		810075.10		P	0.4
2	☐	1.000		822404.24		P	0.2
3	☐	1.000		833189.89		P	0.5
4	☐	1.000		848837.42		P	0.7
5	☐	1.000		853121.64		P	0.4
6	☐	1.000		841985.07		P	0.6
7	☐	1.000		842648.16		P	0.5
8	☐	1.000		835901.89		P	0.4
9	☐	1.000		782250.69		P	1.2

45 Sc (ISTD) [No Gas]

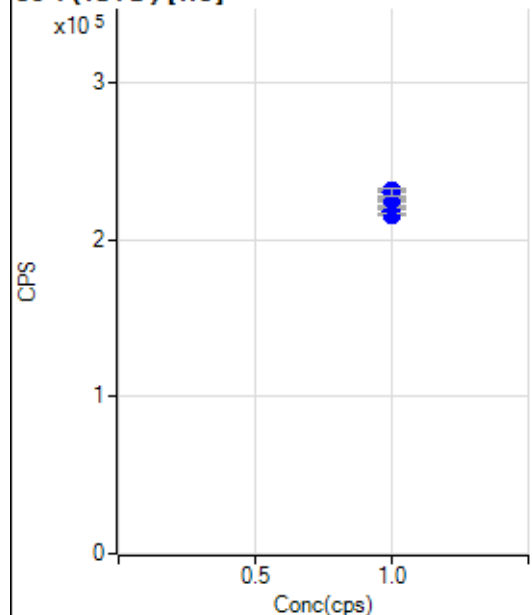
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1171368.65		P	1.3
2	☐	1.000		1182676.16		P	0.4
3	☐	1.000		1185436.91		P	0.7
4	☐	1.000		1200386.05		P	1.4
5	☐	1.000		1208387.20		P	0.2
6	☐	1.000		1242486.63		P	0.7
7	☐	1.000		1259506.22		P	0.8
8	☐	1.000		1245883.33		P	0.2
9	☐	1.000		1216193.20		P	0.5

45 Sc (ISTD) [He]

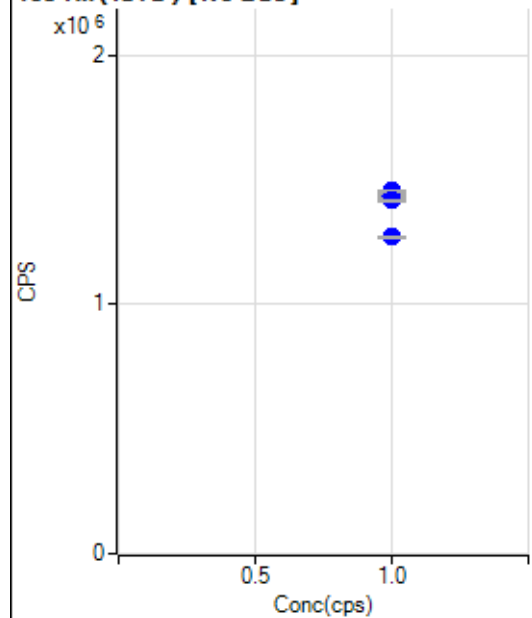
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		47134.89		P	1.6
2	☐	1.000		46074.99		P	1.8
3	☐	1.000		46718.15		P	0.7
4	☐	1.000		47850.74		P	1.2
5	☐	1.000		48662.00		P	0.4
6	☐	1.000		49587.33		P	0.4
7	☐	1.000		49560.77		P	0.9
8	☐	1.000		52167.20		P	0.5
9	☐	1.000		51204.02		P	1.2

89 Y (ISTD) [No Gas]

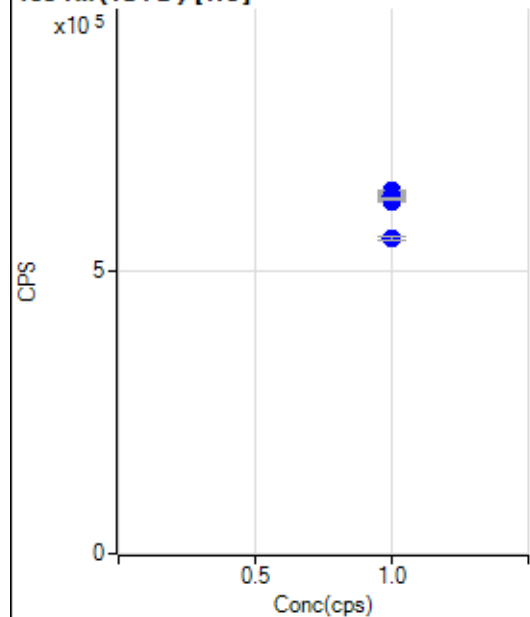
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1676578.41		P	0.5
2	☐	1.000		1690876.80		P	0.3
3	☐	1.000		1691838.39		P	0.9
4	☐	1.000		1721141.23		P	0.8
5	☐	1.000		1724221.22		P	0.4
6	☐	1.000		1755474.92		P	0.5
7	☐	1.000		1786518.84		P	0.4
8	☐	1.000		1773404.45		P	0.7
9	☐	1.000		1729574.33		P	0.9

89 Y(ISTD) [He]

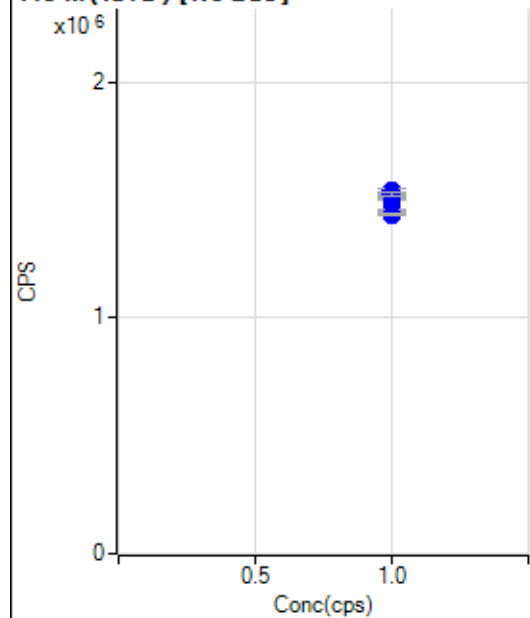
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		218408.83		P	1.0
2	☐	1.000		215739.01		P	0.8
3	☐	1.000		218073.47		P	1.0
4	☐	1.000		221444.23		P	0.6
5	☐	1.000		224874.76		P	0.6
6	☐	1.000		228085.77		P	1.4
7	☐	1.000		227042.18		P	1.0
8	☐	1.000		230991.82		P	0.6
9	☐	1.000		230189.58		P	2.0

103 Rh(ISTD) [No Gas]

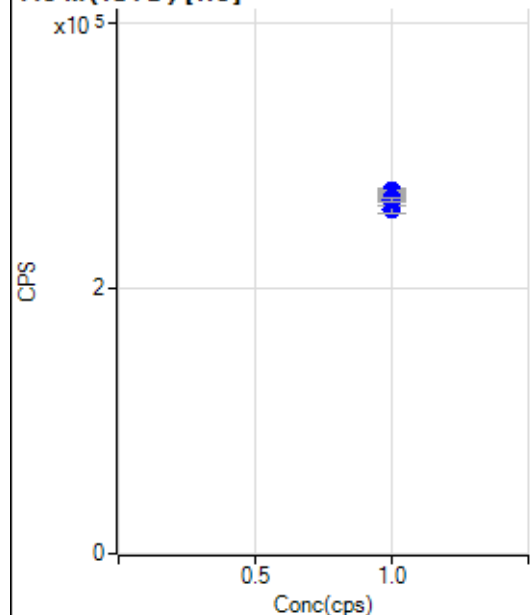
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1435401.11		P	0.6
2	☐	1.000		1416062.94		P	0.2
3	☐	1.000		1419621.49		P	0.4
4	☐	1.000		1433628.17		P	0.6
5	☐	1.000		1432635.82		P	0.8
6	☐	1.000		1444721.04		P	0.5
7	☐	1.000		1455250.40		P	0.2
8	☐	1.000		1415533.29		P	0.7
9	☐	1.000		1269411.48		P	0.2

103 Rh (ISTD) [He]

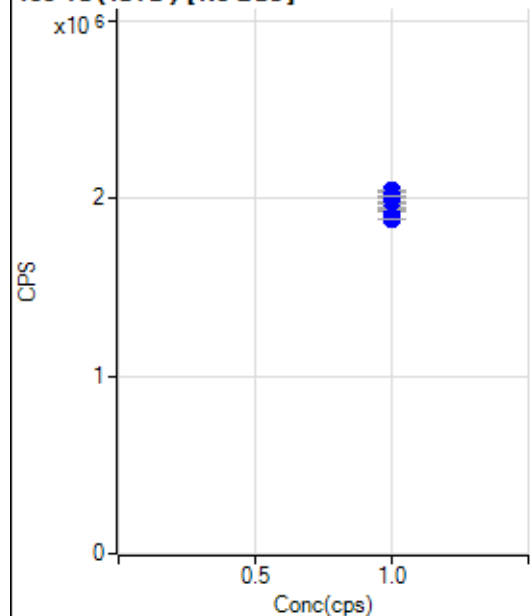
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		628866.70		P	0.9
2	☐	1.000		622155.17		P	0.2
3	☐	1.000		625821.68		P	0.4
4	☐	1.000		633088.48		P	0.4
5	☐	1.000		635503.16		P	0.5
6	☐	1.000		641304.69		P	0.7
7	☐	1.000		632387.44		P	1.3
8	☐	1.000		627585.86		P	0.6
9	☐	1.000		557330.41		P	1.0

115 In (ISTD) [No Gas]

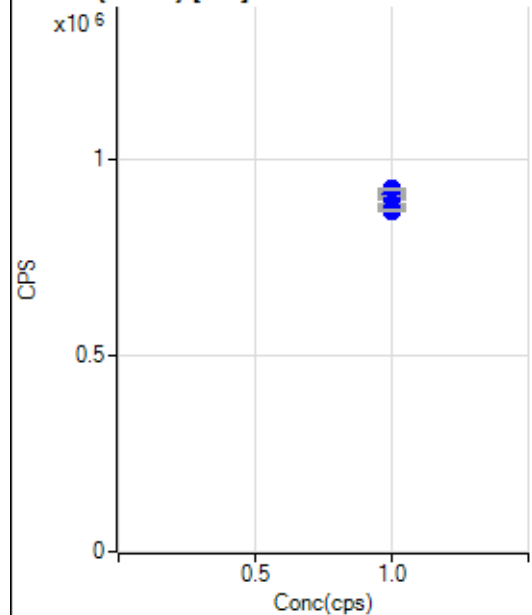
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1508519.85		P	1.4
2	☐	1.000		1500089.57		P	0.6
3	☐	1.000		1516386.02		P	0.4
4	☐	1.000		1537236.96		P	1.0
5	☐	1.000		1521642.31		P	0.4
6	☐	1.000		1525329.33		P	0.1
7	☐	1.000		1524916.37		P	0.7
8	☐	1.000		1455325.26		P	0.3
9	☐	1.000		1436753.46		P	0.7

115 In (ISTD) [He]

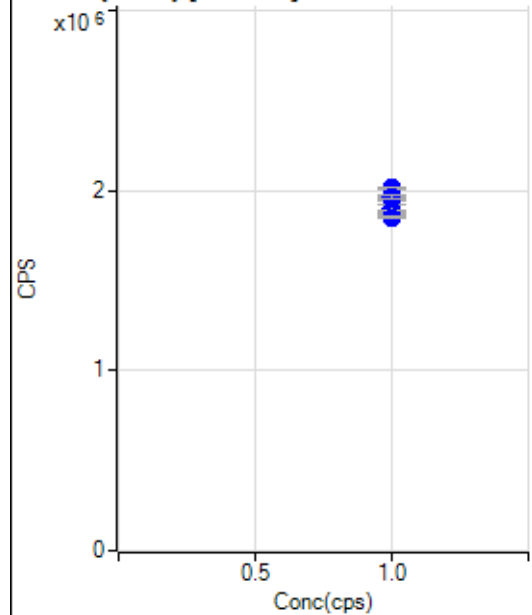
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		272999.41		P	0.4
2	☐	1.000		268744.79		P	0.8
3	☐	1.000		270016.67		P	0.6
4	☐	1.000		273334.42		P	0.6
5	☐	1.000		273809.32		P	1.3
6	☐	1.000		273620.87		P	0.8
7	☐	1.000		267905.65		P	1.0
8	☐	1.000		259819.53		P	1.9
9	☐	1.000		267065.04		P	1.4

159 Tb (ISTD) [No Gas]

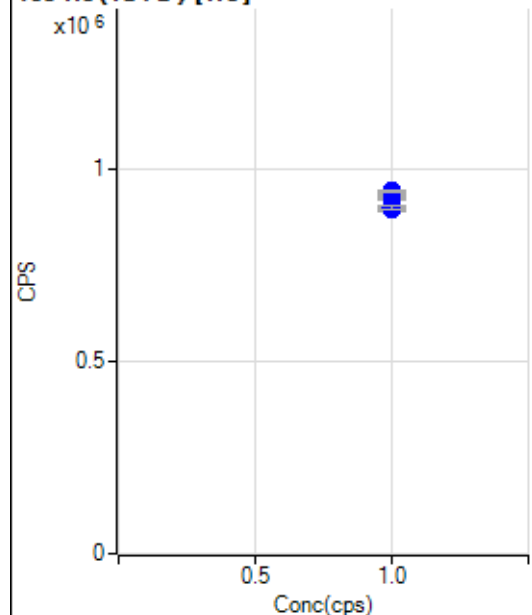
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1927256.27		P	0.4
2	☐	1.000		1927177.42		P	0.3
3	☐	1.000		1943442.79		P	0.7
4	☐	1.000		1941979.29		P	0.6
5	☐	1.000		1977746.53		P	0.7
6	☐	1.000		2006334.81		P	0.6
7	☐	1.000		2041156.25		P	0.3
8	☐	1.000		2011222.54		P	0.1
9	☐	1.000		1882166.60		P	0.4

159 Tb (ISTD) [He]

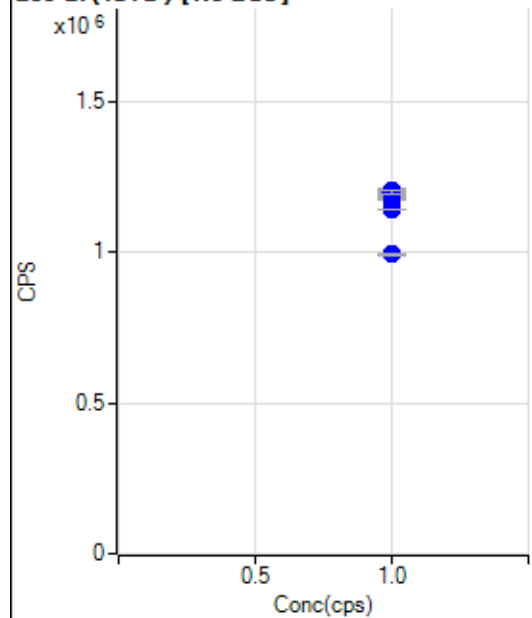
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		884624.73		P	0.7
2	☐	1.000		873490.98		P	0.8
3	☐	1.000		874484.67		P	0.5
4	☐	1.000		900585.63		P	0.5
5	☐	1.000		906652.15		P	1.1
6	☐	1.000		920396.09		P	1.2
7	☐	1.000		913600.62		P	0.8
8	☐	1.000		925731.56		P	0.3
9	☐	1.000		870625.48		P	0.9

165 Ho (ISTD) [No Gas]

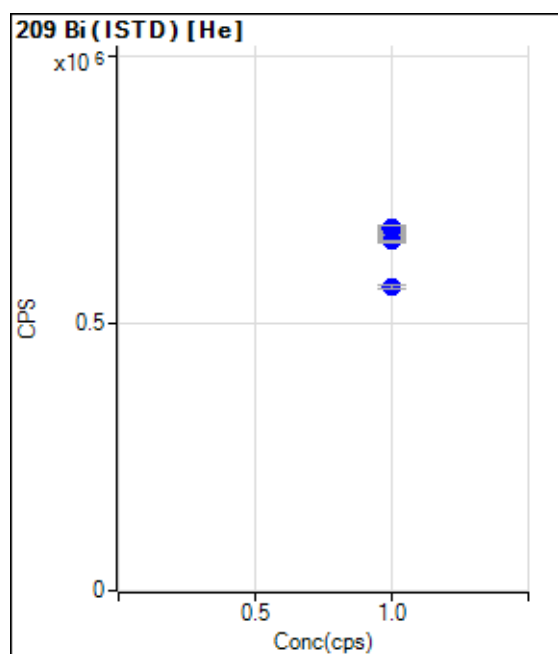
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1879478.41		P	0.9
2	☐	1.000		1880920.88		P	0.9
3	☐	1.000		1890564.30		P	0.6
4	☐	1.000		1908492.21		P	1.2
5	☐	1.000		1955495.75		P	1.0
6	☐	1.000		1968863.11		P	1.1
7	☐	1.000		2017745.60		P	0.4
8	☐	1.000		1963842.29		P	1.0
9	☐	1.000		1854421.98		P	0.6

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		901350.98		P	0.2
2	☐	1.000		893501.79		P	0.7
3	☐	1.000		894462.60		P	0.5
4	☐	1.000		919316.23		P	0.6
5	☐	1.000		929644.90		P	0.3
6	☐	1.000		938259.21		P	0.8
7	☐	1.000		939697.35		P	1.2
8	☐	1.000		941338.35		P	0.7
9	☐	1.000		898936.92		P	1.0

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1174992.12		P	0.5
2	☐	1.000		1177265.57		P	0.2
3	☐	1.000		1179463.32		P	0.2
4	☐	1.000		1188210.40		P	0.2
5	☐	1.000		1197090.93		P	0.5
6	☐	1.000		1205083.82		P	0.9
7	☐	1.000		1201131.47		P	0.8
8	☐	1.000		1144720.06		P	0.0
9	☐	1.000		995462.49		P	0.8



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		667065.55		P	0.4
2	☐	1.000		660008.51		P	0.4
3	☐	1.000		666089.14		P	0.2
4	☐	1.000		673014.73		P	0.6
5	☐	1.000		676559.43		P	1.1
6	☐	1.000		677590.29		P	1.3
7	☐	1.000		663162.09		P	0.2
8	☐	1.000		653151.04		P	0.6
9	☐	1.000		566404.86		P	1.5