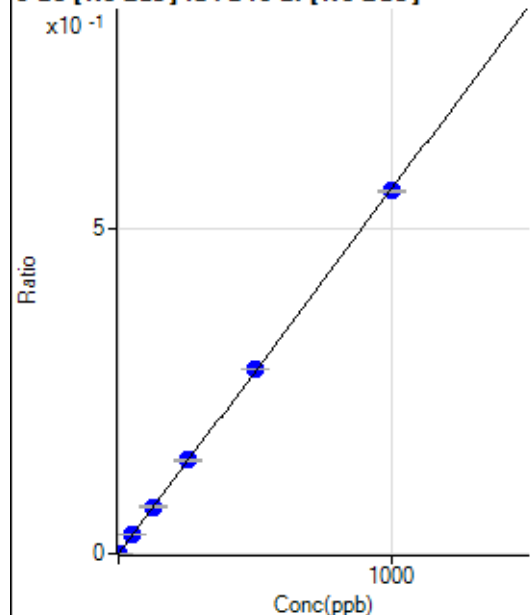


Batch Folder: D:\ICP-MS Data\P7102519 MS.b\
Analysis File: P7102519 MS.batch.bin
DA Date-Time: 2019-10-25 16:46:44
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-10-25 12:12:57
2			
3	005CALS.d	S02	2019-10-25 12:21:20
4	006CALS.d	S03	2019-10-25 12:25:14
5	007CALS.d	S04	2019-10-25 12:29:25
6	008CALS.d	S05	2019-10-25 12:33:12
7	009CALS.d	S06	2019-10-25 12:36:57
8	010CALS.d	S07	2019-10-25 12:40:41
9	011CALS.d	S08	2019-10-25 12:44:26

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	66.67	0.0000	P	38.2
2	☐	0.100					
3	☐	1.000	1.052	3600.53	0.0006	P	1.3
4	☐	50.000	52.990	176126.28	0.0298	P	0.9
5	☐	125.000	129.163	422089.96	0.0725	P	0.5
6	☐	250.000	256.077	806080.47	0.1438	P	0.3
7	☐	500.000	505.526	1552103.55	0.2839	P	0.5
8	☐	1000.000	995.048	3006670.70	0.5588	P	0.9
9	☐			427.80	0.0001	P	9.4

$$y = 5.6156E-004 * x + 1.1177E-005$$

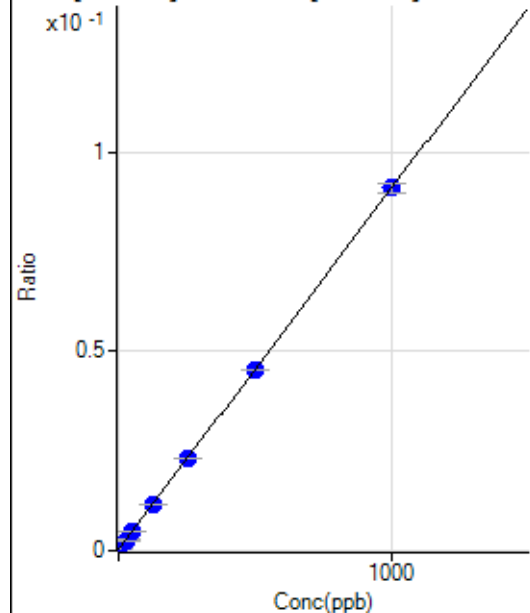
$$R = 1.0000$$

$$DL = 0.02283$$

$$BEC = 0.0199$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1739.07	0.0003	P	11.0
2	☐	2.500					
3	☐	25.000	25.916	15783.79	0.0026	P	1.6
4	☐	50.000	51.868	29515.74	0.0050	P	2.1
5	☐	125.000	124.092	67082.70	0.0115	P	1.9
6	☐	250.000	251.114	129109.07	0.0230	P	0.6
7	☐	500.000	497.231	247803.25	0.0453	P	0.2
8	☐	1000.000	1001.103	489395.78	0.0910	P	2.4
9	☐			22450.67	0.0041	P	7.4

$$y = 9.0568E-005 * x + 2.9147E-004$$

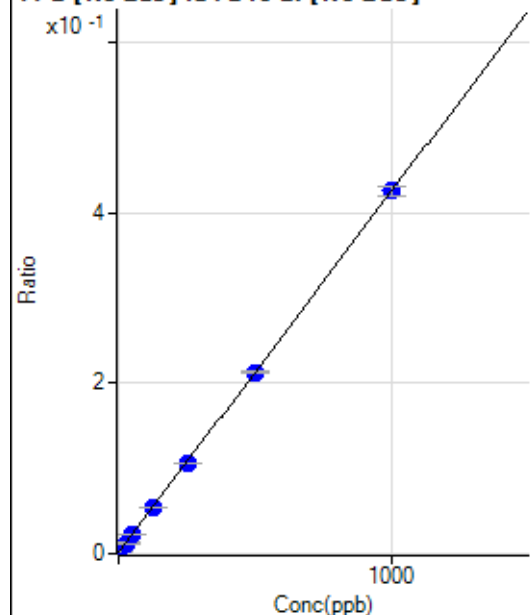
$$R = 1.0000$$

$$DL = 1.06$$

$$BEC = 3.218$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	8572.22	0.0014	P	7.2
2	☐	2.500					
3	☐	25.000	25.829	74134.66	0.0124	P	1.2
4	☐	50.000	51.859	138650.67	0.0234	P	0.9
5	☐	125.000	124.645	315969.74	0.0543	P	1.5
6	☐	250.000	247.844	597308.75	0.1066	P	0.5
7	☐	500.000	498.778	1164580.88	0.2130	P	0.5
8	☐	1000.000	1001.080	2292409.40	0.4261	P	2.5
9	☐			104516.49	0.0192	P	5.2

$$y = 4.2417\text{E-}004 * x + 0.0014$$

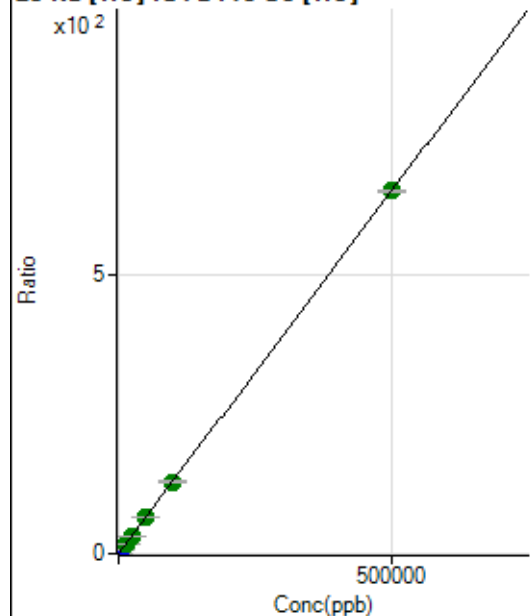
$$R = 1.0000$$

$$DL = 0.7313$$

$$BEC = 3.388$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	11938.53	0.0247	P	3.0
2	☐	50.000					
3	☐	500.000	508.114	331461.03	0.6876	P	0.5
4	☐	5000.000	5103.447	3093823.25	6.6824	P	0.8
5	☐	12500.000	12721.590	7374014.84	16.6206	A	0.7
6	☐	25000.000	25072.910	14276041.81	32.7335	A	0.2
7	☐	50000.000	50173.343	28449228.07	65.4782	A	0.9
8	☐	100000.00	99028.759	57483006.15	129.2123	A	0.8
9	☐	500000.00	500166.68	323651262.7	652.5153	A	0.3

$$y = 0.0013 * x + 0.0247$$

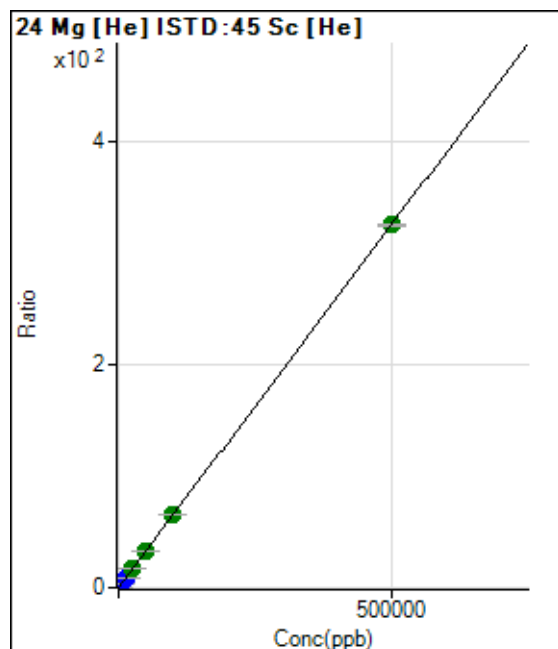
$$R = 1.0000$$

$$DL = 1.69$$

$$BEC = 18.96$$

Weight: <None>

Min Conc: 0



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	291.68	0.0006	P	7.6
2	☐	50.000					
3	☐	500.000	543.575	170758.87	0.3542	P	0.7
4	☐	5000.000	5237.654	1577856.41	3.4080	P	0.5
5	☐	12500.000	13088.933	3778137.28	8.5158	P	1.0
6	☐	25000.000	25704.008	7293224.90	16.7226	A	0.5
7	☐	50000.000	50992.314	14413348.93	33.1742	A	1.2
8	☐	100000.00	100493.17	29085154.12	65.3776	A	0.3
9	☐	500000.00	499749.79	161261568.8	325.1186	A	0.4

$$y = 6.5056E-004 * x + 6.0425E-004$$

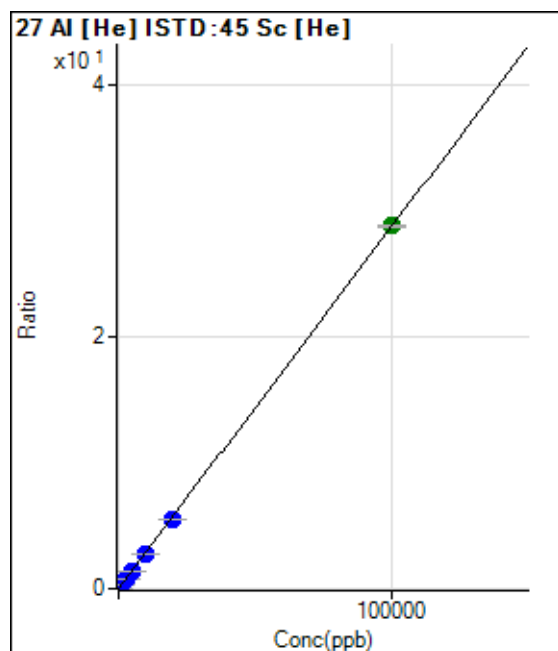
$$R = 1.0000$$

$$DL = 0.2111$$

$$BEC = 0.9288$$

Weight: <None>

Min Conc: 0



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	27.78	0.0001	P	17.3
2	☐	2.000					
3	☐	20.000	20.282	2836.50	0.0059	P	6.9
4	☐	1000.000	983.758	130890.83	0.2827	P	0.5
5	☐	2500.000	2463.261	314025.87	0.7078	P	0.8
6	☐	5000.000	4847.325	607442.03	1.3928	P	0.3
7	☐	10000.000	9603.609	1198927.34	2.7594	P	0.7
8	☐	20000.000	19052.815	2435435.34	5.4743	P	0.4
9	☐	100000.00	100237.79	14284651.02	28.8005	A	0.2

$$y = 2.8732E-004 * x + 5.7540E-005$$

$$R = 0.9999$$

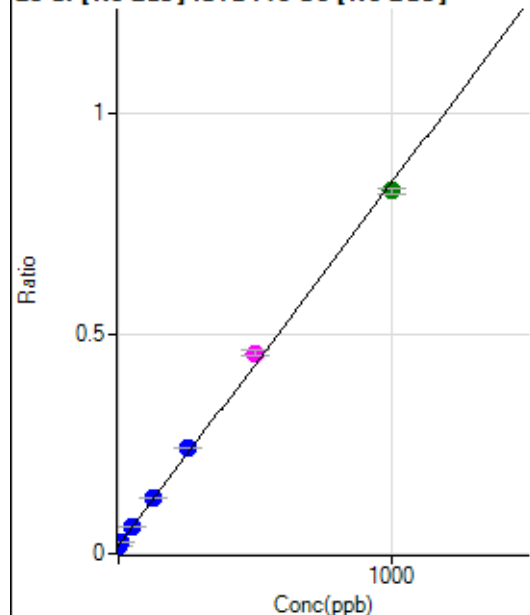
$$DL = 0.1038$$

$$BEC = 0.2003$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	216186.86	0.0182	P	0.6
2	☐	1.000					
3	☐	10.000	8.829	308671.21	0.0255	P	0.2
4	☐	50.000	51.986	725153.96	0.0611	P	1.0
5	☐	125.000	132.542	1472875.26	0.1275	P	0.5
6	☐	250.000	269.092	2681784.63	0.2401	P	0.5
7	☐	500.000	531.849	5031314.35	0.4568	M	2.9
8	☐	1000.000	978.272	9128480.24	0.8249	A	1.7
9	☐			836469.35	0.0725	P	0.3

$$y = 8.2459\text{E-}004 * x + 0.0182$$

$$R = 0.9990$$

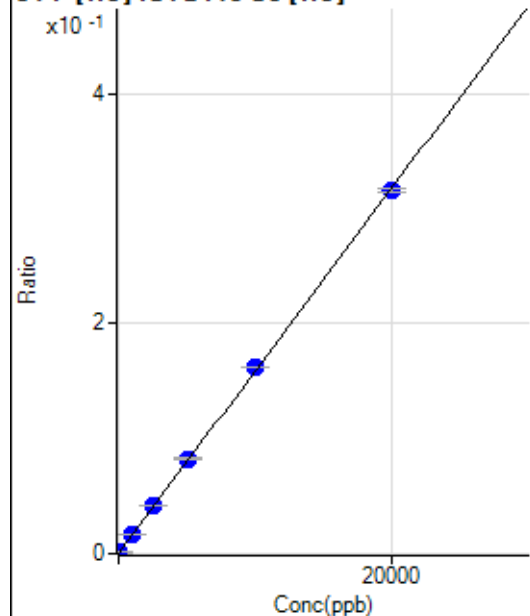
$$DL = 0.4212$$

$$BEC = 22.12$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-32.174	108.34	0.0002	P	35.2
2	☐	0.000					
3	☐	0.000	32.174	600.04	0.0012	P	6.4
4	☐	1000.000	1003.570	7707.85	0.0166	P	5.7
5	☐	2500.000	2590.585	18551.05	0.0418	P	0.7
6	☐	5000.000	5139.597	35863.61	0.0822	P	1.6
7	☐	10000.000	10191.843	70536.58	0.1623	P	0.9
8	☐	20000.000	19857.678	140404.26	0.3156	P	0.9
9	☐			205.57	0.0004	P	11.9

$$y = 1.5856\text{E-}005 * x + 7.3460\text{E-}004$$

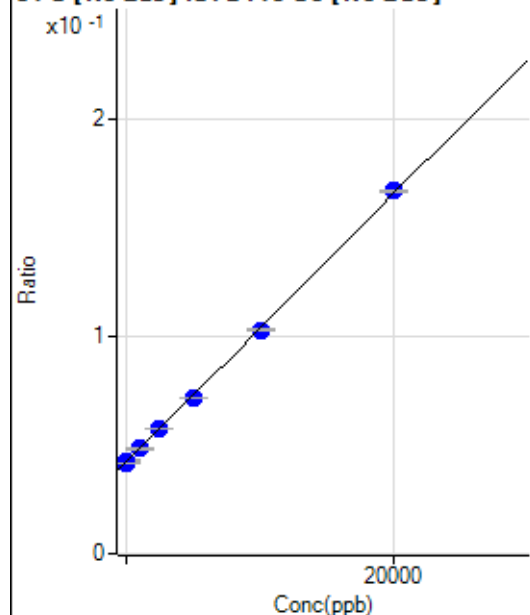
$$R = 0.9999$$

$$DL = 15$$

$$BEC = 46.33$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	92.502	506817.60	0.0428	P	1.0
2	☐	0.000					
3	☐	0.000	-92.502	503377.13	0.0416	P	0.5
4	☐	1000.000	998.984	574204.19	0.0484	P	0.6
5	☐	2500.000	2448.487	662567.90	0.0574	P	0.3
6	☐	5000.000	4753.614	800269.95	0.0717	P	0.6
7	☐	10000.000	9813.028	1134638.88	0.1030	P	0.8
8	☐	20000.000	20161.572	1849690.62	0.1671	P	0.7
9	☐			386735.18	0.0335	P	1.0

$$y = 6.1975\text{E-}006 * x + 0.0422$$

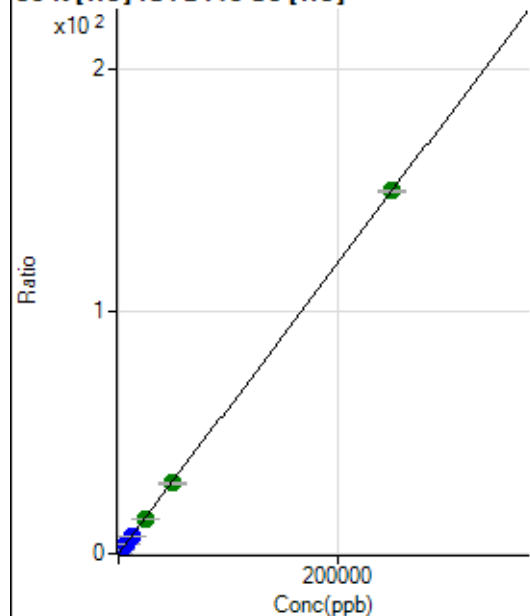
$$R = 0.9998$$

$$DL = 148$$

$$BEC = 6809$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	22467.87	0.0465	P	4.9
2	☐	50.000					
3	☐	500.000	505.731	168394.98	0.3493	P	0.3
4	☐	2500.000	2494.694	713064.70	1.5401	P	1.2
5	☐	6250.000	6199.202	1667319.50	3.7580	P	0.6
6	☐	12500.000	12280.605	3226909.43	7.3990	P	0.4
7	☐	25000.000	24363.111	6357956.26	14.6328	A	0.4
8	☐	50000.000	48386.371	12908302.81	29.0155	A	0.5
9	☐	250000.00	250398.69	74377188.47	149.9605	A	0.5

$$y = 5.9870\text{E-}004 * x + 0.0465$$

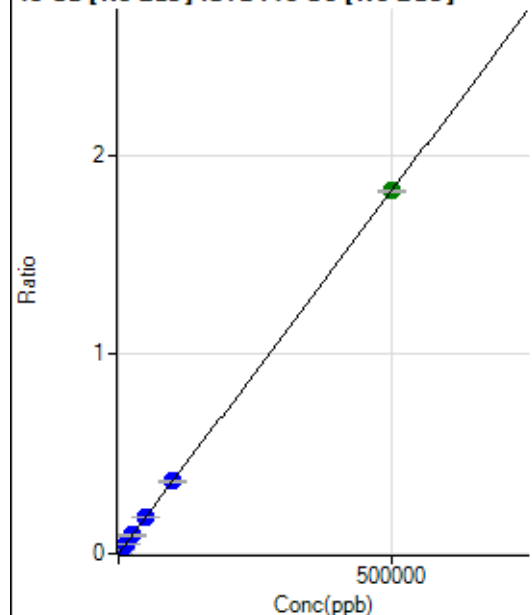
$$R = 1.0000$$

$$DL = 11.48$$

$$BEC = 77.74$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	194.46	0.0000	P	14.5
2	☐	50.000					
3	☐	500.000	510.220	22670.90	0.0019	P	0.3
4	☐	5000.000	5031.280	217642.62	0.0183	P	0.9
5	☐	12500.000	12654.308	532437.52	0.0461	P	0.6
6	☐	25000.000	25240.522	1026822.59	0.0919	P	0.6
7	☐	50000.000	49931.923	2003247.38	0.1819	P	0.2
8	☐	100000.00	99625.931	4015510.29	0.3629	P	0.7
9	☐	500000.00	500065.41	21000749.08	1.8213	A	0.5

$$y = 3.6421E-006 * x + 1.6400E-005$$

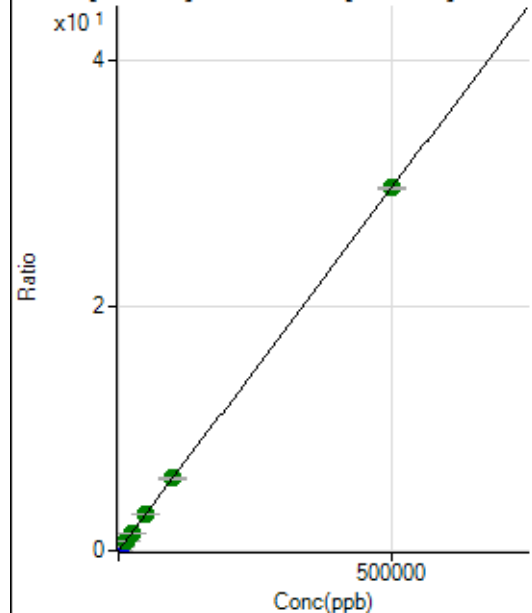
$$R = 1.0000$$

$$DL = 1.957$$

$$BEC = 4.503$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	13718.83	0.0012	P	2.4
2	☐	50.000					
3	☐	500.000	504.759	375919.35	0.0311	P	0.1
4	☐	5000.000	5041.701	3560849.34	0.3001	P	0.8
5	☐	12500.000	12538.531	8598624.76	0.7446	A	0.7
6	☐	25000.000	25102.475	16634202.98	1.4895	A	0.4
7	☐	50000.000	49955.980	32636537.53	2.9630	A	0.3
8	☐	100000.00	99465.273	65274238.96	5.8984	A	0.3
9	☐	500000.00	500104.83	341898229.8	29.6523	A	0.8

$$y = 5.9290E-005 * x + 0.0012$$

$$R = 1.0000$$

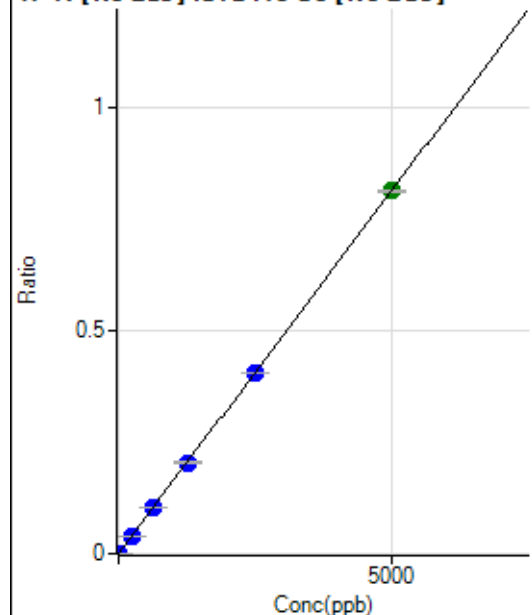
$$DL = 1.432$$

$$BEC = 19.53$$

Weight: <None>

Min Conc: 0

47 Ti [No Gas] ISTD :45 Sc [No Gas]



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	122.23	0.0000	P	39.5
2	☐	0.500					
3	☐	5.000	5.450	10846.14	0.0009	P	2.0
4	☐	250.000	249.517	481811.71	0.0406	P	0.7
5	☐	625.000	627.436	1178821.57	0.1021	P	0.2
6	☐	1250.000	1257.221	2284016.22	0.2045	P	0.6
7	☐	2500.000	2493.838	4468344.24	0.4057	P	0.3
8	☐	5000.000	5000.995	9002424.42	0.8135	A	0.6
9	☐			1847.43	0.0002	P	12.2

$$y = 1.6267\text{E-}004 * x + 1.0333\text{E-}005$$

$$R = 1.0000$$

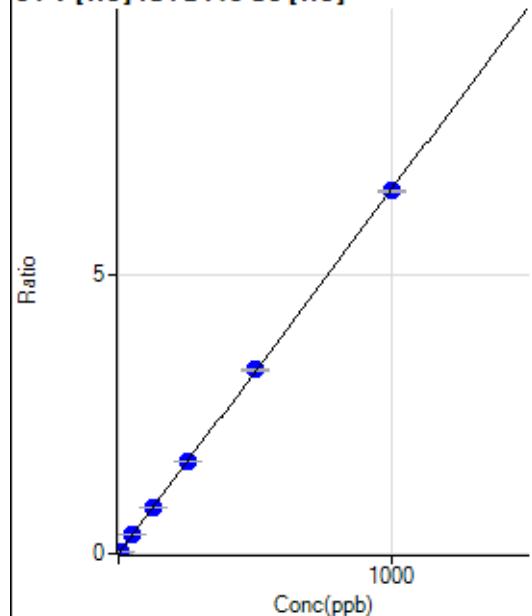
$$DL = 0.07528$$

$$BEC = 0.06352$$

Weight: <None>

Min Conc: 0

51 V [He] ISTD :45 Sc [He]



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	12.22	0.0000	P	15.8
2	☐	0.500					
3	☐	5.000	5.503	17341.49	0.0360	P	1.2
4	☐	50.000	50.538	152871.33	0.3302	P	0.4
5	☐	125.000	127.104	368422.56	0.8304	P	0.7
6	☐	250.000	252.179	718533.49	1.6475	P	0.5
7	☐	500.000	505.989	1436235.48	3.3057	P	1.3
8	☐	1000.000	996.169	2895287.80	6.5081	P	0.5
9	☐			837.82	0.0017	P	9.4

$$y = 0.0065 * x + 2.5316\text{E-}005$$

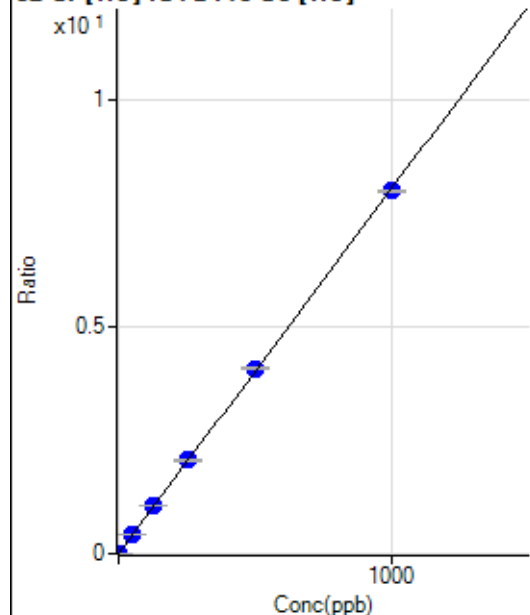
$$R = 1.0000$$

$$DL = 0.001832$$

$$BEC = 0.003875$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	626.69	0.0013	P	5.2
2	☐	0.200					
3	☐	2.000	2.121	8855.01	0.0184	P	1.4
4	☐	50.000	51.882	193934.60	0.4189	P	0.2
5	☐	125.000	129.872	464353.02	1.0466	P	0.6
6	☐	250.000	255.586	897748.36	2.0585	P	0.7
7	☐	500.000	507.563	1775549.97	4.0866	P	0.9
8	☐	1000.000	994.119	3560177.55	8.0027	P	0.9
9	☐			144419.28	0.2912	P	1.5

$$y = 0.0080 * x + 0.0013$$

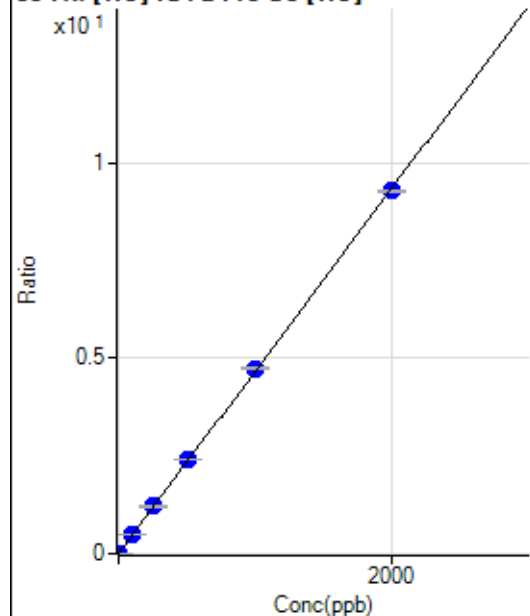
$$R = 0.9999$$

$$DL = 0.02494$$

$$BEC = 0.1613$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	63.34	0.0001	P	19.0
2	☐	0.100					
3	☐	1.000	1.073	2474.69	0.0051	P	2.9
4	☐	100.000	103.810	224124.12	0.4841	P	0.5
5	☐	250.000	258.252	534227.80	1.2041	P	0.6
6	☐	500.000	514.218	1045593.91	2.3974	P	0.8
7	☐	1000.000	1012.852	2051659.43	4.7221	P	1.0
8	☐	2000.000	1988.797	4124907.37	9.2720	P	0.8
9	☐			17104.64	0.0345	P	2.5

$$y = 0.0047 * x + 1.3121E-004$$

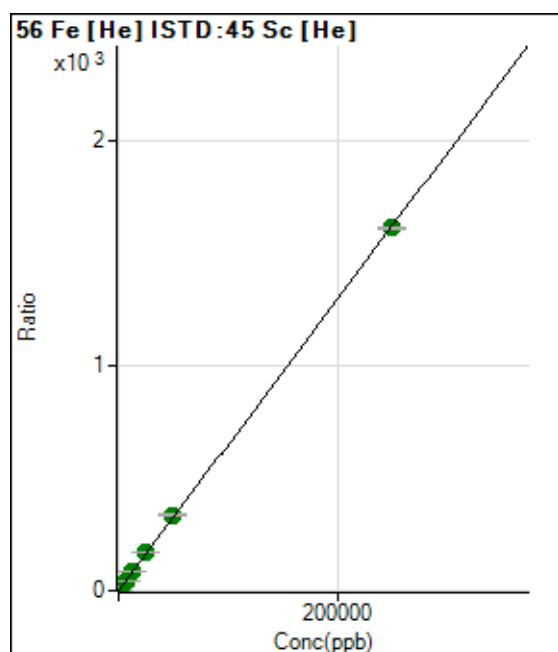
$$R = 0.9999$$

$$DL = 0.01606$$

$$BEC = 0.02815$$

Weight: <None>

Min Conc: 0



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	4899.09	0.0101	P	1.1
2	☐	5.000					
3	☐	50.000	57.670	184443.26	0.3826	P	0.4
4	☐	2500.000	2710.217	8108705.68	17.5143	A	0.2
5	☐	6250.000	6833.107	19584698.82	44.1423	A	0.3
6	☐	12500.000	13503.077	38039393.44	87.2208	A	0.6
7	☐	25000.000	26840.620	75320492.42	173.3623	A	1.3
8	☐	50000.000	52058.982	149583823.7	336.2369	A	0.6
9	☐	250000.00	249337.30	798717277.1	1,610.373	A	0.3

$$y = 0.0065 * x + 0.0101$$

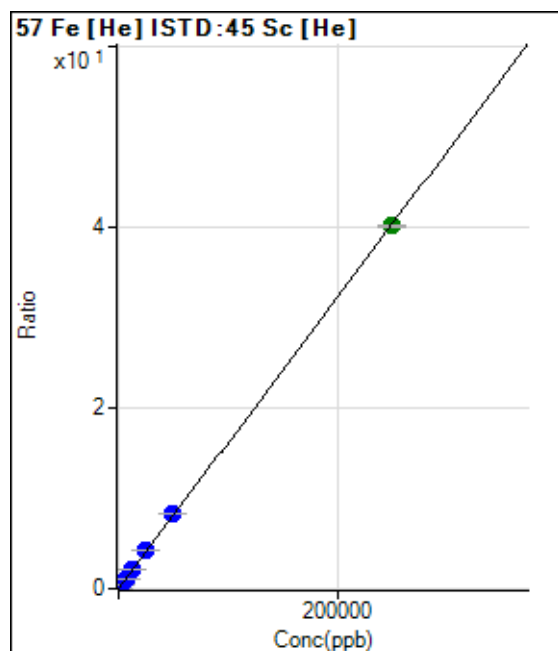
$$R = 0.9999$$

$$DL = 0.05121$$

$$BEC = 1.571$$

Weight: <None>

Min Conc: 0



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	259.27	0.0005	P	12.6
2	☐	5.000					
3	☐	50.000	59.871	4902.83	0.0102	P	5.5
4	☐	2500.000	2681.698	200029.65	0.4320	P	0.6
5	☐	6250.000	6808.996	486346.60	1.0962	P	0.9
6	☐	12500.000	13390.011	939901.13	2.1551	P	0.2
7	☐	25000.000	26644.843	1863055.90	4.2879	P	0.7
8	☐	50000.000	51692.813	3700495.74	8.3183	P	1.4
9	☐	250000.00	249436.65	19907145.58	40.1368	A	0.5

$$y = 1.6091E-004 * x + 5.3711E-004$$

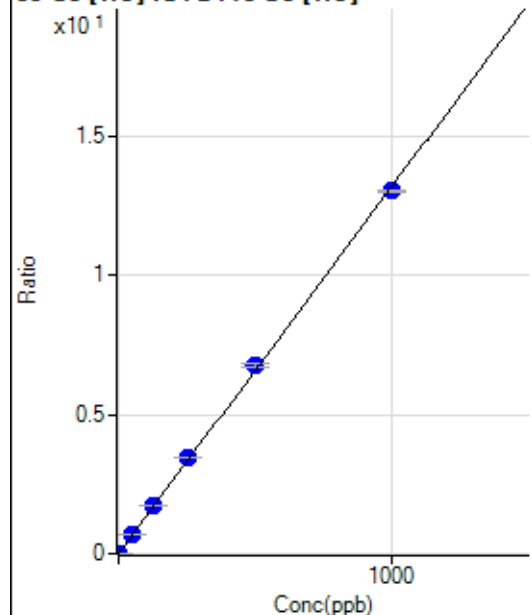
$$R = 1.0000$$

$$DL = 1.261$$

$$BEC = 3.338$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	96.67	0.0002	P	7.0
2	☐	0.100					
3	☐	1.000	1.058	6822.80	0.0142	P	2.0
4	☐	50.000	52.898	322919.87	0.6975	P	0.8
5	☐	125.000	131.586	769626.79	1.7347	P	0.9
6	☐	250.000	260.095	1495354.28	3.4287	P	0.1
7	☐	500.000	513.833	2942816.94	6.7734	P	1.4
8	☐	1000.000	989.592	5803218.66	13.0447	P	0.7
9	☐			13845.59	0.0279	P	0.4

$$y = 0.0132 * x + 2.0027E-004$$

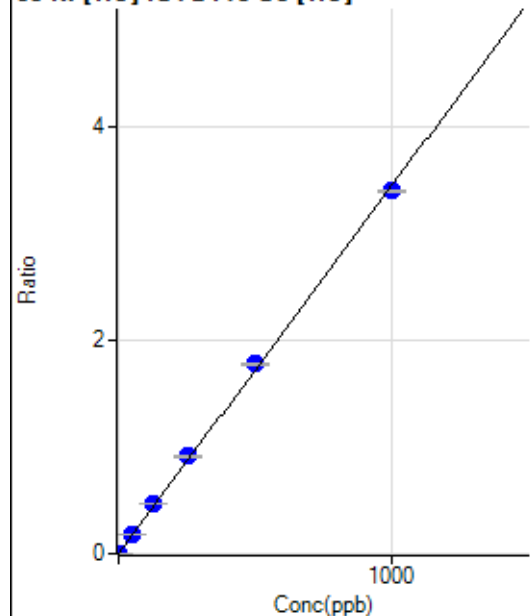
$$R = 0.9998$$

$$DL = 0.003169$$

$$BEC = 0.01519$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	45.56	0.0001	P	18.5
2	☐	0.100					
3	☐	1.000	1.141	1936.83	0.0040	P	11.2
4	☐	50.000	54.058	86070.83	0.1859	P	0.9
5	☐	125.000	134.250	204777.27	0.4616	P	0.5
6	☐	250.000	264.347	396325.42	0.9087	P	0.7
7	☐	500.000	516.059	770728.07	1.7739	P	1.3
8	☐	1000.000	987.025	1509369.30	3.3928	P	0.7
9	☐			41727.18	0.0841	P	0.3

$$y = 0.0034 * x + 9.4381E-005$$

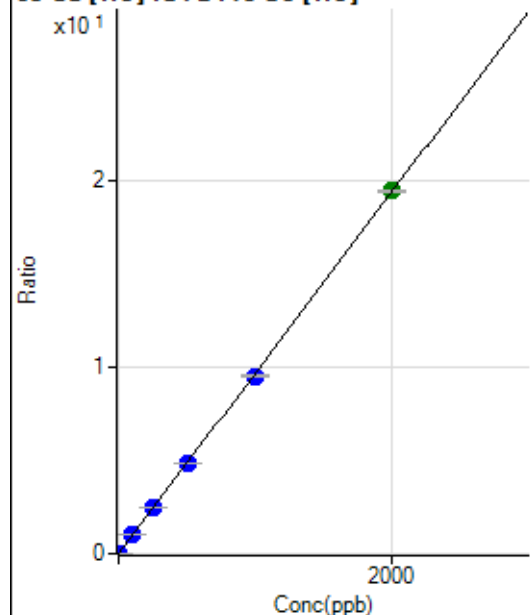
$$R = 0.9997$$

$$DL = 0.01521$$

$$BEC = 0.02746$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1011.16	0.0021	P	6.5
2	☐	0.200					
3	☐	2.000	2.089	10742.97	0.0223	P	0.9
4	☐	100.000	102.281	458560.11	0.9905	P	0.7
5	☐	250.000	255.908	1098095.46	2.4750	P	0.4
6	☐	500.000	500.651	2110893.27	4.8401	P	0.4
7	☐	1000.000	980.317	4116717.89	9.4752	P	1.2
8	☐	2000.000	2008.826	8636932.37	19.4140	A	0.4
9	☐			15842.07	0.0319	P	0.9

$$y = 0.0097 * x + 0.0021$$

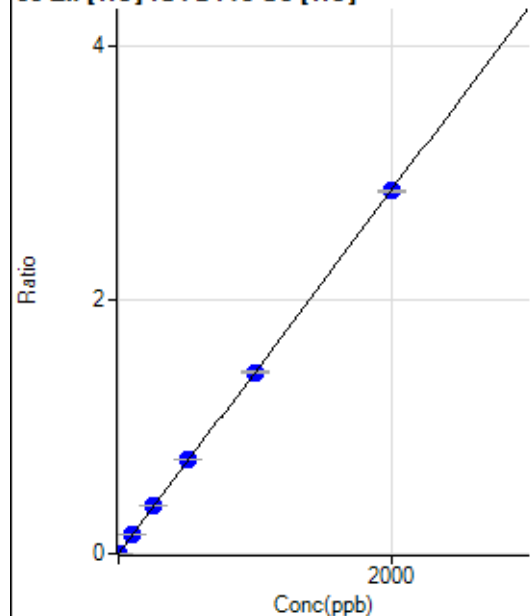
$$R = 0.9999$$

$$DL = 0.04227$$

$$BEC = 0.2168$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	352.23	0.0007	P	10.5
2	☐	0.200					
3	☐	2.000	2.359	1977.94	0.0041	P	2.6
4	☐	100.000	105.362	70082.92	0.1514	P	0.7
5	☐	250.000	261.514	166220.91	0.3746	P	0.5
6	☐	500.000	515.031	321482.57	0.7371	P	0.8
7	☐	1000.000	997.029	619686.43	1.4263	P	1.1
8	☐	2000.000	1996.020	1269949.93	2.8546	P	0.8
9	☐			14013.58	0.0283	P	2.2

$$y = 0.0014 * x + 7.2970E-004$$

$$R = 1.0000$$

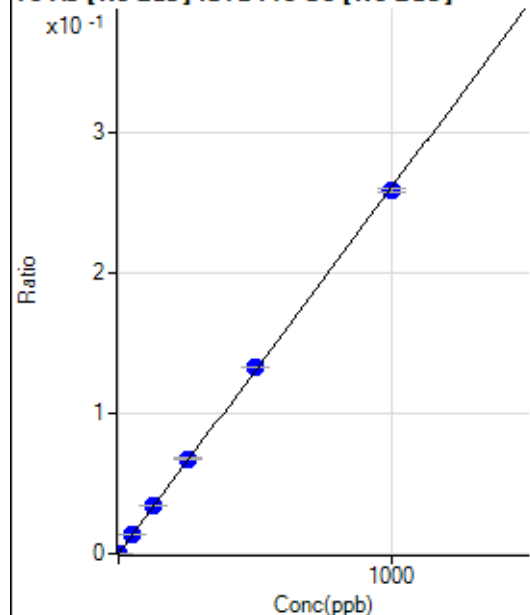
$$DL = 0.1605$$

$$BEC = 0.5104$$

Weight: <None>

Min Conc: 0

75 As [No Gas] ISTD:45 Sc [No Gas]



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-3832.08	-0.0003	P	-2.2
2	☐	0.100					
3	☐	1.000	0.886	-1106.90	-0.0001	P	-29.
4	☐	50.000	51.197	155128.84	0.0131	P	0.8
5	☐	125.000	131.377	393262.82	0.0341	P	0.4
6	☐	250.000	259.691	755247.19	0.0676	P	1.1
7	☐	500.000	510.629	1468126.08	0.1333	P	0.5
8	☐	1000.000	991.406	2867117.96	0.2591	P	0.9
9	☐			-3071.25	-0.0003	P	-2.2

$$y = 2.6166E-004 * x - 3.2340E-004$$

$$R = 0.9999$$

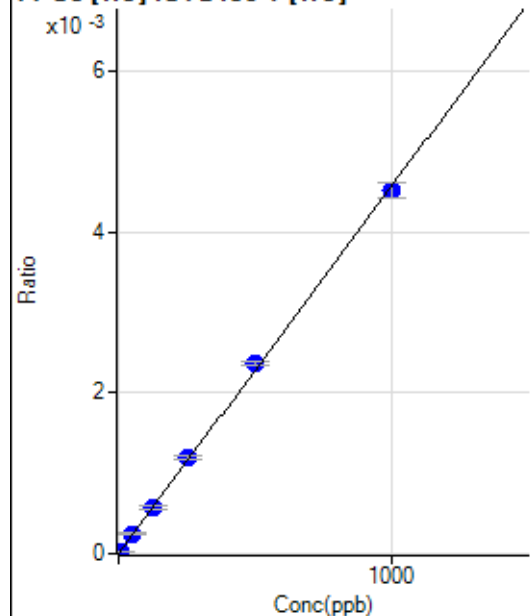
$$DL = 0.08279$$

$$BEC = -1.236$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	5.239	58.89	0.0000	P	21.4
4	☐	50.000	54.273	595.58	0.0002	P	4.3
5	☐	125.000	125.235	1338.97	0.0006	P	5.2
6	☐	250.000	263.316	2751.42	0.0012	P	4.2
7	☐	500.000	517.603	5411.10	0.0024	P	1.9
8	☐	1000.000	987.625	10339.38	0.0045	P	4.2
9	☐			5.56	0.0000	P	91.1

$$y = 4.5690E-006 * x + 0.0000E+000$$

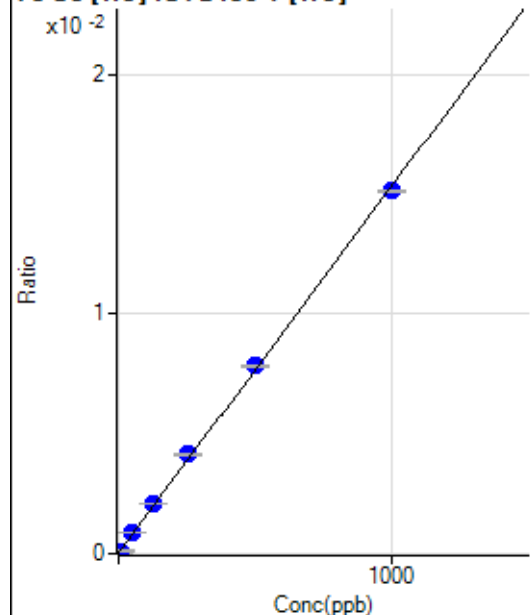
$$R = 0.9997$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	65.43	0.0000	P	12.0
2	☐	0.500					
3	☐	5.000	6.018	291.98	0.0001	P	8.8
4	☐	50.000	54.270	2056.95	0.0009	P	1.6
5	☐	125.000	134.208	4865.68	0.0021	P	0.4
6	☐	250.000	268.912	9464.88	0.0041	P	0.5
7	☐	500.000	511.949	17971.70	0.0079	P	1.2
8	☐	1000.000	987.928	34675.96	0.0151	P	0.8
9	☐			88.27	0.0000	P	15.9

$$y = 1.5290\text{E-}005 * x + 2.6658\text{E-}005$$

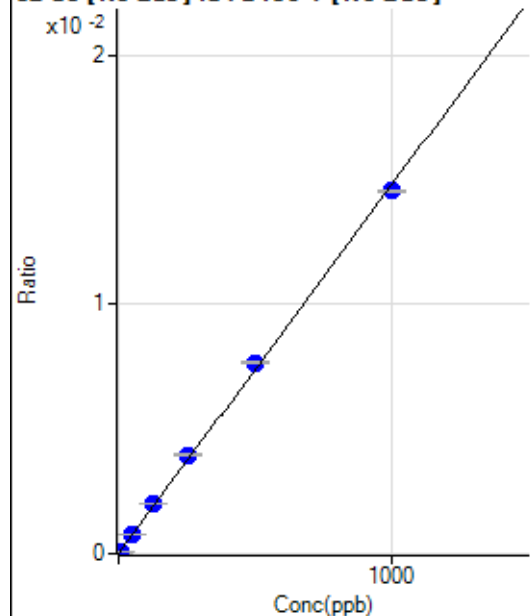
$$R = 0.9997$$

$$DL = 0.6284$$

$$BEC = 1.744$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	157.82	0.0000	P	29.5
2	☐	0.500					
3	☐	5.000	6.052	1937.90	0.0001	P	2.1
4	☐	50.000	54.148	15919.27	0.0008	P	0.3
5	☐	125.000	135.860	39139.38	0.0020	P	0.5
6	☐	250.000	268.067	75502.79	0.0040	P	0.3
7	☐	500.000	518.743	143914.94	0.0077	P	0.8
8	☐	1000.000	984.542	273349.10	0.0146	P	0.5
9	☐			405.67	0.0000	P	13.3

$$y = 1.4781\text{E-}005 * x + 7.9756\text{E-}006$$

$$R = 0.9995$$

$$DL = 0.4774$$

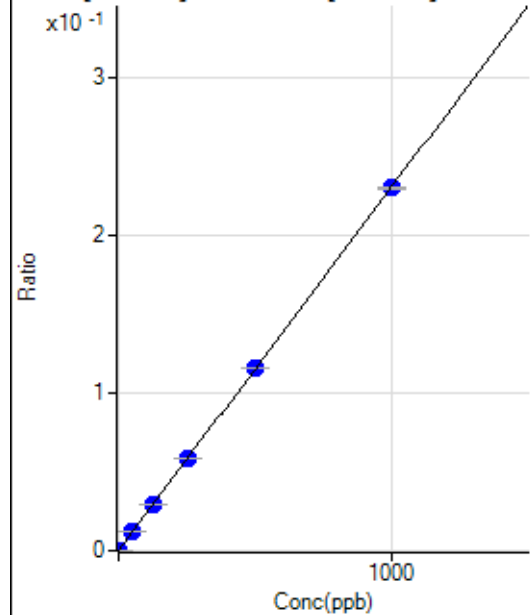
$$BEC = 0.5396$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			1750.14		P	2.7
2	☐						
3	☐			1804.59		P	0.6
4	☐			1894.60		P	5.8
5	☐			1739.02		P	2.6
6	☐			1661.24		P	2.4
7	☐			1746.80		P	3.6
8	☐			1657.90		P	2.0
9	☐			1754.58		P	2.6

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

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2914.31	0.0001	P	5.7
2	☐	0.100					
3	☐	1.000	1.059	7791.33	0.0004	P	1.4
4	☐	50.000	50.833	233986.76	0.0119	P	0.4
5	☐	125.000	126.748	570868.77	0.0294	P	0.8
6	☐	250.000	253.307	1114808.04	0.0586	P	0.6
7	☐	500.000	502.010	2175623.94	0.1160	P	0.0
8	☐	1000.000	997.908	4327412.60	0.2305	P	0.7
9	☐			20173.19	0.0011	P	2.7

$$y = 2.3085E-004 * x + 1.4717E-004$$

$$R = 1.0000$$

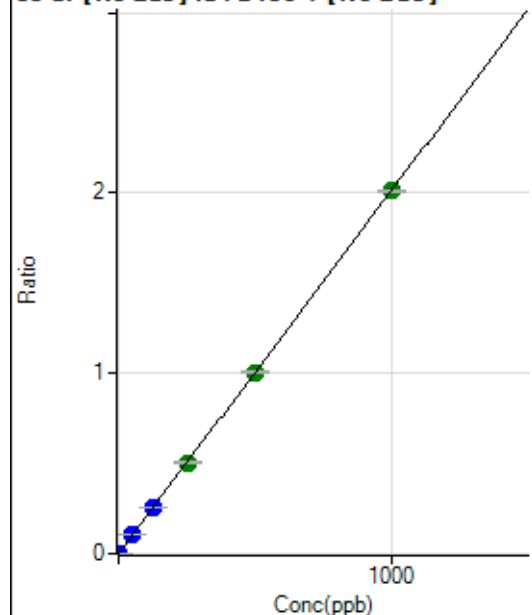
$$DL = 0.1099$$

$$BEC = 0.6375$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	208.35	0.0000	P	42.3
2	☐	0.100					
3	☐	1.000	1.040	41867.79	0.0021	P	0.7
4	☐	50.000	50.550	2004440.41	0.1018	P	0.4
5	☐	125.000	127.891	4998853.32	0.2575	P	0.7
6	☐	250.000	251.121	9614977.56	0.5056	A	0.5
7	☐	500.000	500.366	18888754.76	1.0074	A	0.2
8	☐	1000.000	999.148	37764721.33	2.0116	A	0.2
9	☐			153772.52	0.0083	P	1.7

$$y = 0.0020 * x + 1.0523E-005$$

$$R = 1.0000$$

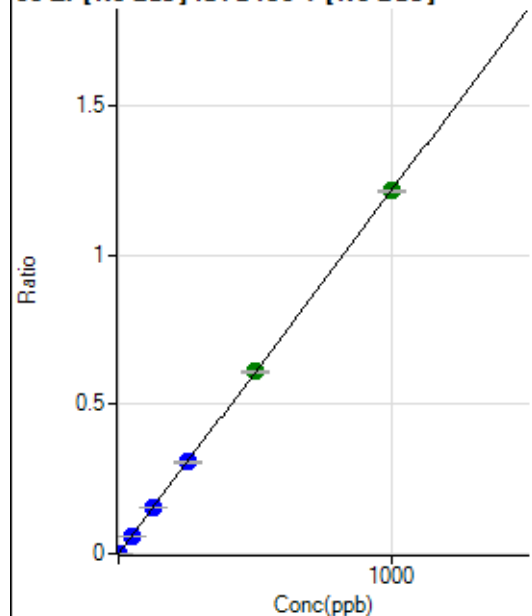
$$DL = 0.006638$$

$$BEC = 0.005227$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1152.87	0.0001	P	3.7
2	☐	0.100					
3	☐	1.000	0.904	22999.80	0.0012	P	2.5
4	☐	50.000	49.981	1196786.96	0.0608	P	0.4
5	☐	125.000	125.797	2967645.46	0.1529	P	0.7
6	☐	250.000	251.854	5819081.94	0.3060	P	0.5
7	☐	500.000	500.576	11402490.71	0.6081	A	0.3
8	☐	1000.000	999.150	22786429.33	1.2138	A	0.7
9	☐			6032.11	0.0003	P	3.4

$$y = 0.0012 * x + 5.8209E-005$$

$$R = 1.0000$$

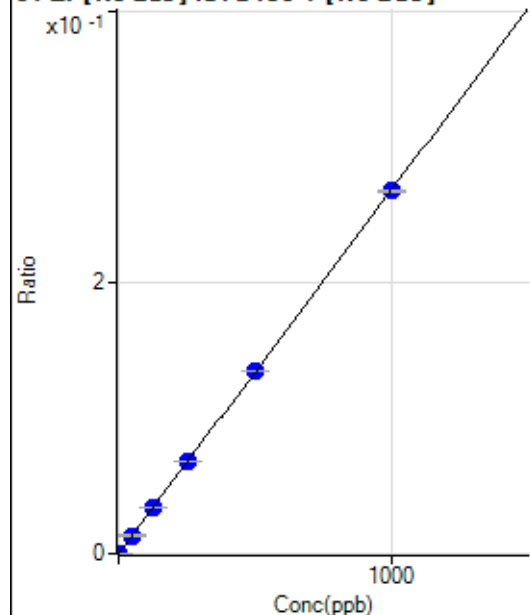
$$DL = 0.005307$$

$$BEC = 0.04792$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	191.68	0.0000	P	15.3
2	☐	0.100					
3	☐	1.000	0.924	5123.31	0.0003	P	6.0
4	☐	50.000	50.188	265491.62	0.0135	P	0.7
5	☐	125.000	125.520	654278.33	0.0337	P	0.6
6	☐	250.000	252.671	1289985.21	0.0678	P	0.2
7	☐	500.000	503.304	2533340.07	0.1351	P	0.2
8	☐	1000.000	997.606	5027415.61	0.2678	P	0.5
9	☐			1372.35	0.0001	P	7.0

$$y = 2.6843\text{E-}004 * x + 9.6806\text{E-}006$$

$$R = 1.0000$$

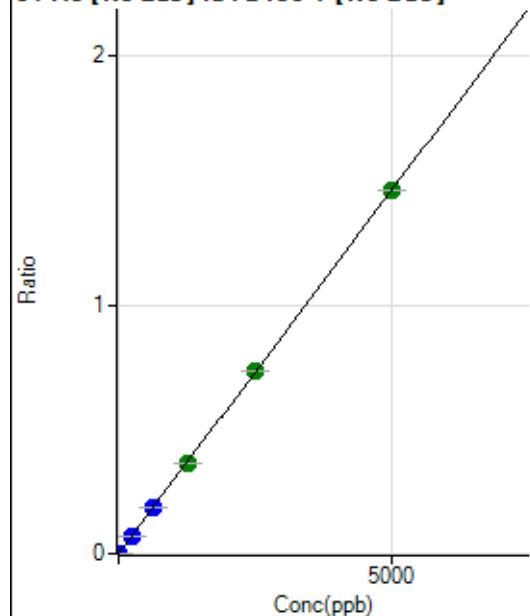
$$DL = 0.01653$$

$$BEC = 0.03606$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	377.80	0.0000	P	13.0
2	☐	0.500					
3	☐	5.000	4.995	29386.84	0.0015	P	1.9
4	☐	250.000	249.848	1436888.04	0.0730	P	1.1
5	☐	625.000	633.116	3588959.67	0.1849	P	0.6
6	☐	1250.000	1253.108	6958082.80	0.3659	A	0.6
7	☐	2500.000	2508.671	13734199.09	0.7325	A	0.3
8	☐	5000.000	4993.881	27373661.38	1.4581	A	0.1
9	☐			23155.62	0.0012	P	2.7

$$y = 2.9198\text{E-}004 * x + 1.9070\text{E-}005$$

$$R = 1.0000$$

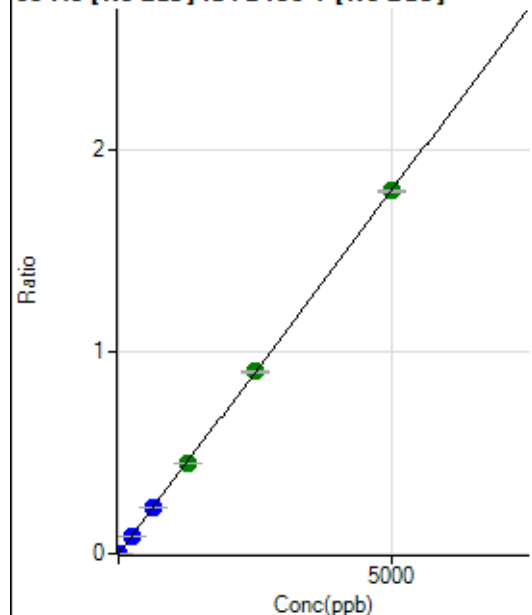
$$DL = 0.0255$$

$$BEC = 0.06531$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	97.23	0.0000	P	13.5
2	☐	0.500					
3	☐	5.000	5.141	36957.11	0.0019	P	1.3
4	☐	250.000	249.675	1772375.58	0.0900	P	0.6
5	☐	625.000	631.029	4415813.86	0.2275	P	0.4
6	☐	1250.000	1252.499	8585758.79	0.4515	A	0.2
7	☐	2500.000	2505.281	16932142.39	0.9031	A	0.3
8	☐	5000.000	4995.997	33808071.59	1.8009	A	0.5
9	☐			35700.92	0.0019	P	1.8

$$y = 3.6046\text{E-}004 * x + 4.9113\text{E-}006$$

$$R = 1.0000$$

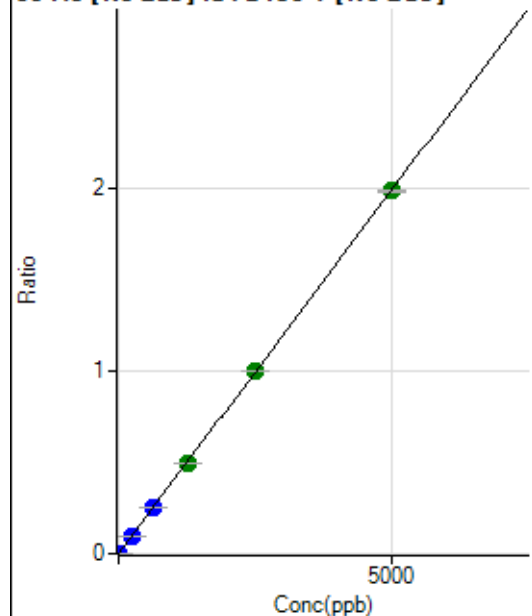
$$DL = 0.005516$$

$$BEC = 0.01362$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	161.12	0.0000	P	16.8
2	☐	0.500					
3	☐	5.000	5.167	41149.19	0.0021	P	2.0
4	☐	250.000	250.264	1965753.21	0.0998	P	0.3
5	☐	625.000	634.438	4912252.45	0.2530	P	1.0
6	☐	1250.000	1251.144	9489450.12	0.4990	A	0.3
7	☐	2500.000	2514.002	18799909.27	1.0027	A	0.3
8	☐	5000.000	4991.520	37373139.72	1.9908	A	0.5
9	☐			52692.66	0.0028	P	0.0

$$y = 3.9883\text{E-}004 * x + 8.1369\text{E-}006$$

$$R = 1.0000$$

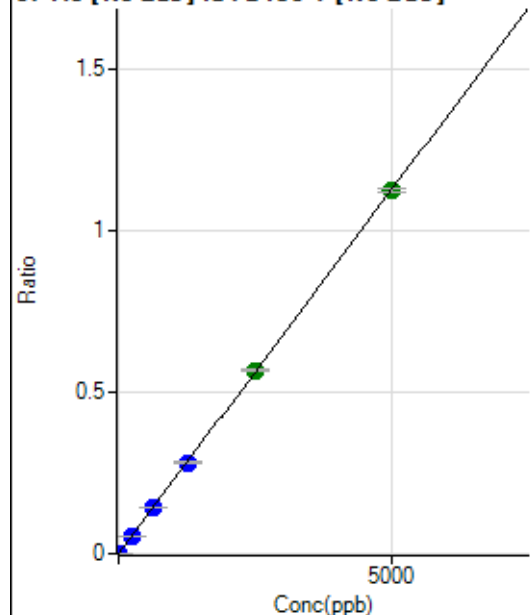
$$DL = 0.01028$$

$$BEC = 0.0204$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	47.23	0.0000	P	41.1
2	☐	0.500					
3	☐	5.000	5.121	22980.40	0.0012	P	2.2
4	☐	250.000	250.080	1108677.35	0.0563	P	0.2
5	☐	625.000	630.523	2755469.11	0.1419	P	0.7
6	☐	1250.000	1255.182	5373246.52	0.2826	P	0.7
7	☐	2500.000	2522.893	10648773.15	0.5679	A	0.5
8	☐	5000.000	4986.563	21073205.50	1.1225	A	0.9
9	☐			21867.56	0.0012	P	0.4

$$y = 2.2511\text{E-}004 * x + 2.3878\text{E-}006$$

$$R = 1.0000$$

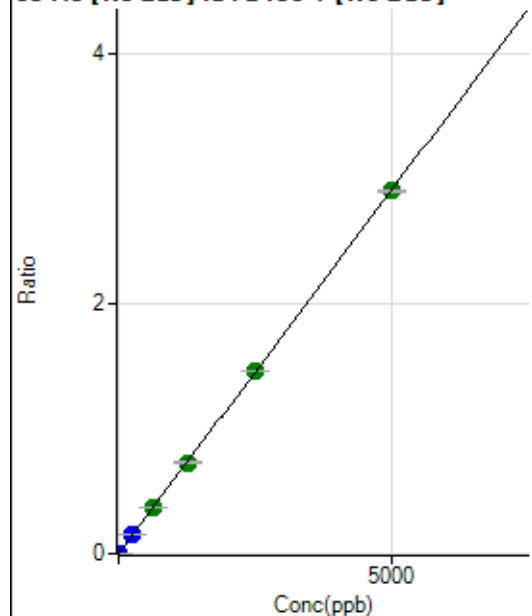
$$DL = 0.01307$$

$$BEC = 0.01061$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	61.12	0.0000	P	33.8
2	☐	0.500					
3	☐	5.000	5.224	60423.53	0.0030	P	1.1
4	☐	250.000	252.041	2883380.16	0.1464	P	0.5
5	☐	625.000	626.448	7064753.89	0.3639	A	1.1
6	☐	1250.000	1254.706	13861079.48	0.7289	A	0.6
7	☐	2500.000	2514.459	27388534.29	1.4607	A	0.4
8	☐	5000.000	4991.311	54434254.69	2.8996	A	0.5
9	☐			56649.63	0.0031	P	1.5

$$y = 5.8093\text{E-}004 * x + 3.0828\text{E-}006$$

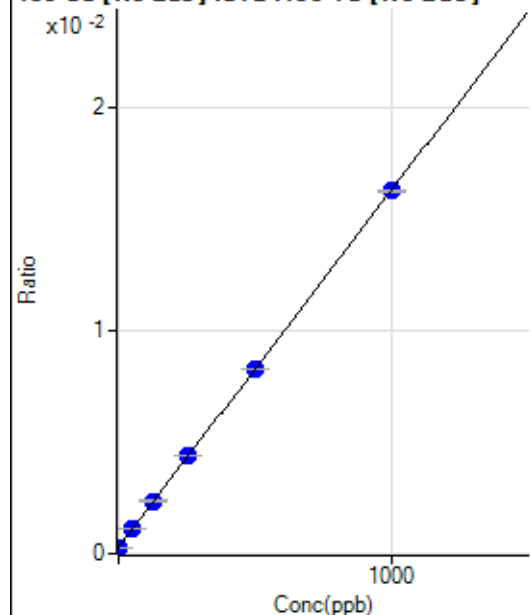
$$R = 1.0000$$

$$DL = 0.005387$$

$$BEC = 0.005307$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	7421.66	0.0003	P	2.2
2	☐	0.100					
3	☐	1.000	-0.284	7360.53	0.0003	P	6.0
4	☐	50.000	52.512	29281.23	0.0011	P	1.6
5	☐	125.000	129.939	61830.05	0.0024	P	0.5
6	☐	250.000	257.924	114356.20	0.0044	P	0.3
7	☐	500.000	499.053	212651.38	0.0083	P	0.5
8	☐	1000.000	997.751	414089.65	0.0163	P	0.3
9	☐			6574.02	0.0003	P	3.8

$$y = 1.6021\text{E-}005 * x + 2.8868\text{E-}004$$

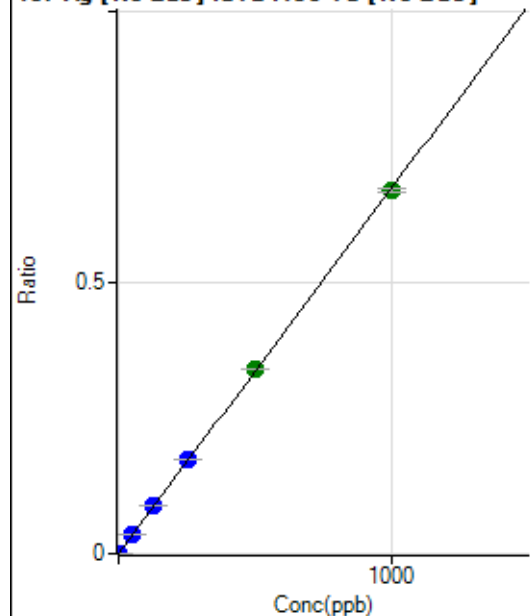
$$R = 1.0000$$

$$DL = 1.18$$

$$BEC = 18.02$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	161.12	0.0000	P	33.3
2	☐	0.100					
3	☐	1.000	1.113	19578.08	0.0008	P	2.9
4	☐	50.000	54.254	946528.52	0.0365	P	0.7
5	☐	125.000	133.070	2336547.91	0.0896	P	0.9
6	☐	250.000	259.566	4519622.24	0.1747	P	0.5
7	☐	500.000	506.724	8755913.13	0.3411	A	0.2
8	☐	1000.000	993.025	17008789.79	0.6684	A	0.9
9	☐			3056.03	0.0001	P	7.5

$$y = 6.7313\text{E-}004 * x + 6.2689\text{E-}006$$

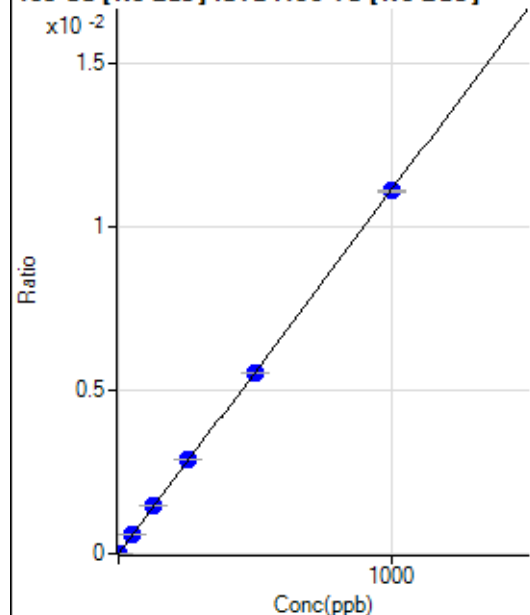
$$R = 0.9999$$

$$DL = 0.009296$$

$$BEC = 0.009313$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	25.00	0.0000	P	29.4
2	☐	0.100					
3	☐	1.000	0.907	286.12	0.0000	P	7.7
4	☐	50.000	53.488	15425.28	0.0006	P	0.4
5	☐	125.000	133.249	38639.10	0.0015	P	0.9
6	☐	250.000	257.514	74030.01	0.0029	P	0.4
7	☐	500.000	498.462	142181.35	0.0055	P	0.2
8	☐	1000.000	997.685	282066.01	0.0111	P	0.5
9	☐			86.12	0.0000	P	15.4

$$y = 1.1110\text{E-}005 * x + 9.7336\text{E-}007$$

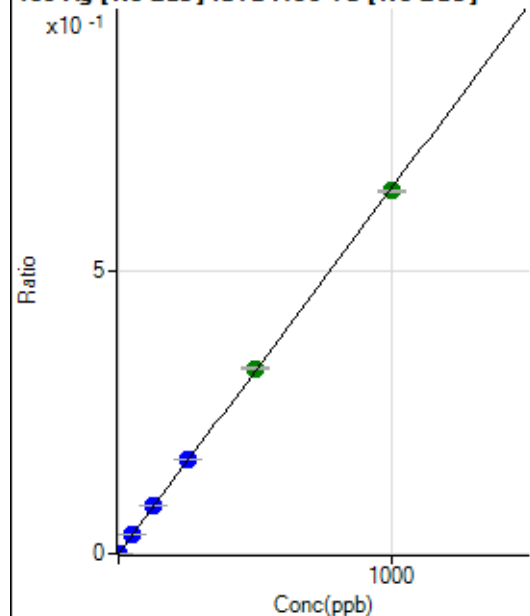
$$R = 0.9999$$

$$DL = 0.07738$$

$$BEC = 0.08761$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	111.12	0.0000	P	15.6
2	☐	0.100					
3	☐	1.000	1.073	18037.05	0.0007	P	1.5
4	☐	50.000	54.377	908918.71	0.0351	P	0.9
5	☐	125.000	132.688	2232319.97	0.0856	P	0.4
6	☐	250.000	259.625	4331511.73	0.1675	P	0.3
7	☐	500.000	506.670	8388420.93	0.3268	A	1.0
8	☐	1000.000	993.079	16297744.12	0.6405	A	0.5
9	☐			2828.19	0.0001	P	7.3

$$y = 6.4496\text{E-}004 * x + 4.3227\text{E-}006$$

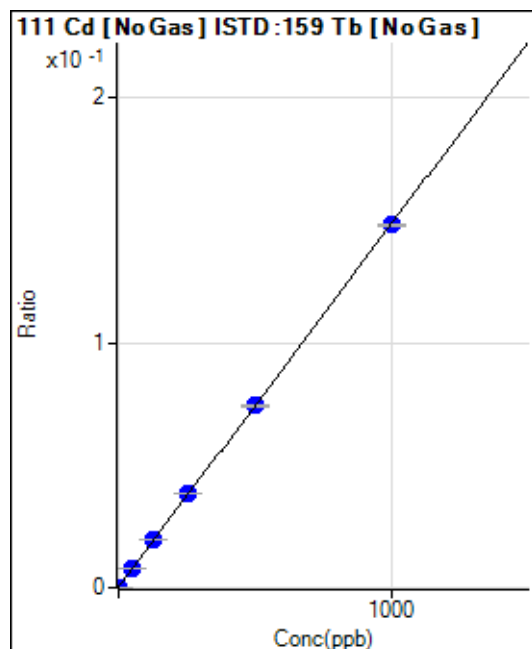
$$R = 0.9999$$

$$DL = 0.003142$$

$$BEC = 0.006702$$

Weight: <None>

Min Conc: 0



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	5213.77	0.0002	P	2.3
2	☐	0.100					
3	☐	1.000	0.961	8947.18	0.0003	P	3.9
4	☐	50.000	53.578	211220.39	0.0082	P	1.0
5	☐	125.000	131.396	513728.93	0.0197	P	0.6
6	☐	250.000	258.747	998161.49	0.0386	P	0.2
7	☐	500.000	499.725	1908232.40	0.0743	P	0.6
8	☐	1000.000	996.972	3768506.99	0.1481	P	0.6
9	☐			5287.41	0.0002	P	2.4

$$y = 1.4835E-004 * x + 2.0280E-004$$

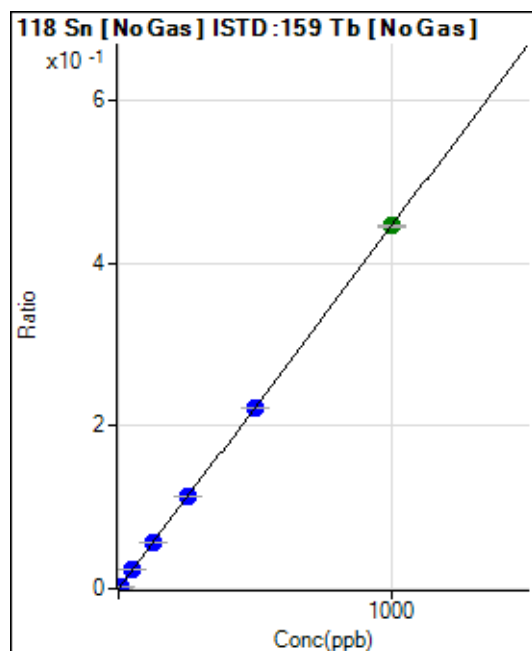
$$R = 0.9999$$

$$DL = 0.09373$$

$$BEC = 1.367$$

Weight: <None>

Min Conc: 0



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1219.55	0.0000	P	3.3
2	☐	0.500					
3	☐	5.000	5.354	63164.36	0.0024	P	2.6
4	☐	50.000	51.280	594610.01	0.0229	P	0.6
5	☐	125.000	127.443	1485483.76	0.0570	P	0.3
6	☐	250.000	253.625	2930461.52	0.1133	P	0.5
7	☐	500.000	497.460	5702941.32	0.2222	P	0.3
8	☐	1000.000	999.992	11362465.88	0.4465	A	0.3
9	☐			6321.14	0.0003	P	3.9

$$y = 4.4650E-004 * x + 4.7436E-005$$

$$R = 1.0000$$

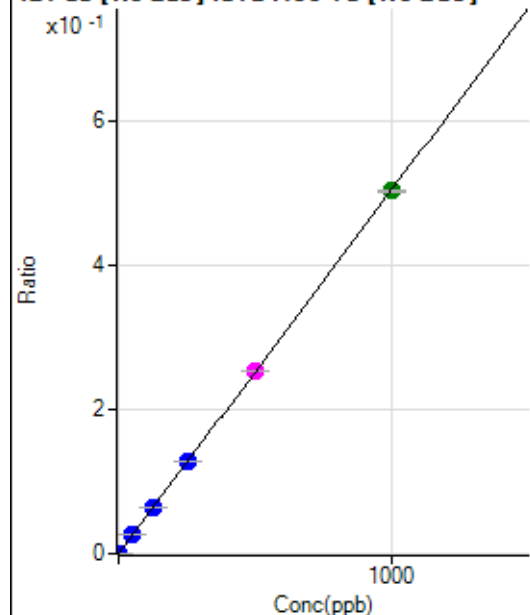
$$DL = 0.01045$$

$$BEC = 0.1062$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	122.23	0.0000	P	4.1
2	☐	0.200					
3	☐	2.000	2.026	26603.90	0.0010	P	1.5
4	☐	50.000	51.037	667465.24	0.0258	P	0.8
5	☐	125.000	127.859	1682820.44	0.0645	P	0.1
6	☐	250.000	255.302	3332112.23	0.1288	P	0.8
7	☐	500.000	500.990	6488813.99	0.2528	M	0.4
8	☐	1000.000	997.770	12809994.04	0.5034	A	0.6
9	☐			12750.79	0.0005	P	4.5

$$y = 5.0455\text{E-}004 * x + 4.7551\text{E-}006$$

$$R = 1.0000$$

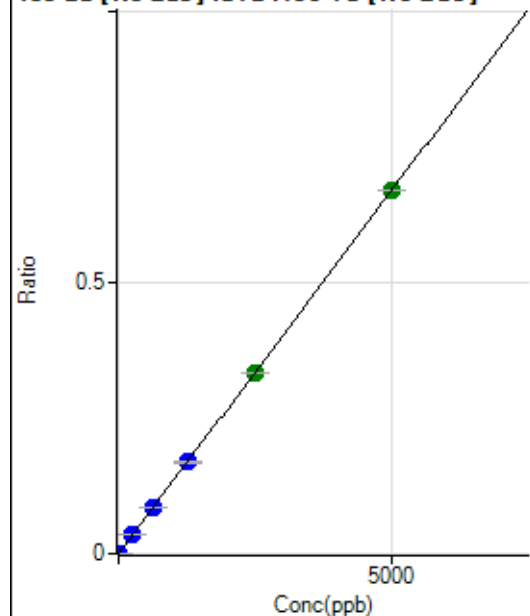
$$DL = 0.001167$$

$$BEC = 0.009424$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	33.33	0.0000	P	24.6
2	☐	1.000					
3	☐	10.000	10.634	36899.93	0.0014	P	2.6
4	☐	250.000	254.951	884258.85	0.0341	P	0.7
5	☐	625.000	634.059	2213361.40	0.0849	P	0.7
6	☐	1250.000	1261.516	4366969.72	0.1688	P	0.6
7	☐	2500.000	2497.425	8579456.70	0.3342	A	0.4
8	☐	5000.000	4997.027	17016288.05	0.6687	A	0.1
9	☐			2575.36	0.0001	P	1.0

$$y = 1.3383\text{E-}004 * x + 1.2956\text{E-}006$$

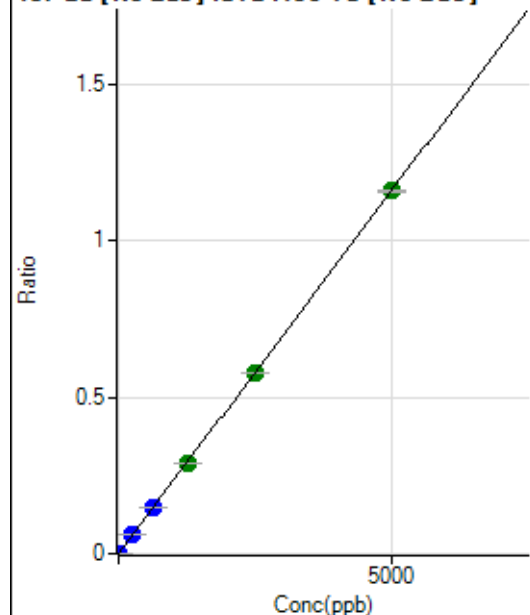
$$R = 1.0000$$

$$DL = 0.007131$$

$$BEC = 0.009681$$

Weight: <None>

Min Conc: 0

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

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	52.78	0.0000	P	24.6
2	☐	1.000					
3	☐	10.000	10.614	63730.16	0.0025	P	0.8
4	☐	250.000	256.732	1540631.04	0.0595	P	0.3
5	☐	625.000	638.346	3855644.97	0.1478	P	0.4
6	☐	1250.000	1251.114	7493891.40	0.2897	A	0.4
7	☐	2500.000	2498.223	14849708.32	0.5785	A	0.4
8	☐	5000.000	4998.604	29452302.05	1.1575	A	0.7
9	☐			4609.28	0.0002	P	2.0

$$y = 2.3156E-004 * x + 2.0547E-006$$

$$R = 1.0000$$

$$DL = 0.006552$$

$$BEC = 0.008873$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			15.55		P	24.8
2	☐						
3	☐			4.45		P	86.6
4	☐			84.45		P	24.1
5	☐			180.01		P	19.6
6	☐			342.24		P	13.8
7	☐			602.26		P	14.4
8	☐			1062.30		P	4.5
9	☐			146.67		P	20.8

150 Nd [He] No available calibration points

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			12.22		P	63.0
2	☐						
3	☐			13.34		P	43.3
4	☐			7.78		P	49.5
5	☐			16.67		P	60.0
6	☐			46.67		P	28.6
7	☐			53.33		P	34.8
8	☐			87.78		P	17.9
9	☐			67.78		P	2.8

156 Dy [No Gas] No available calibration points

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			41.67		P	52.9
2	☐						
3	☐			36.11		P	74.2
4	☐			52.78		P	24.1
5	☐			86.12		P	43.6
6	☐			102.78		P	28.5
7	☐			144.45		P	12.0
8	☐			233.34		P	12.4
9	☐			66.67		P	21.6

156 Dy [He] No available calibration points

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			26.67		P	54.5
2	☐						
3	☐			40.00		P	30.0
4	☐			44.45		P	37.7
5	☐			60.00		P	14.7
6	☐			103.34		P	22.3
7	☐			183.34		P	10.9
8	☐			304.45		P	18.1
9	☐			66.67		P	18.0

160 Gd [No Gas] Noavailable calibration poin_

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			163.90		P	7.8
2	☐						
3	☐			177.79		P	37.9
4	☐			172.23		P	10.1
5	☐			172.23		P	35.0
6	☐			205.57		P	19.2
7	☐			180.57		P	13.3
8	☐			233.35		P	18.9
9	☐			197.23		P	25.8

160 Gd [He] No available calibration points

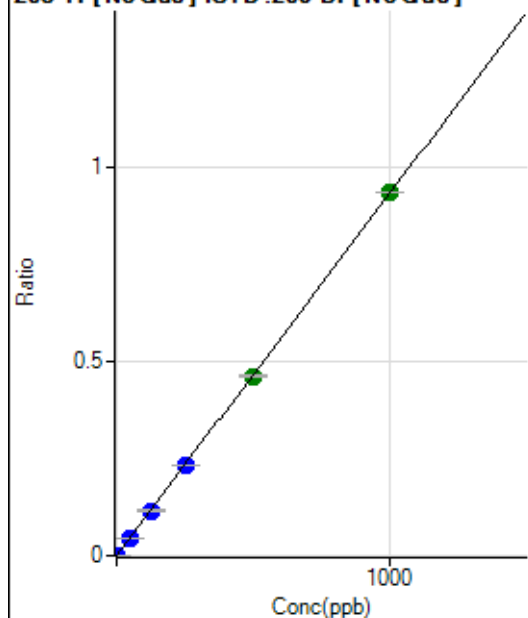
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			306.68		P	10.0
2	☐						
3	☐			362.23		P	10.1
4	☐			376.68		P	13.1
5	☐			340.01		P	5.5
6	☐			365.57		P	8.2
7	☐			375.57		P	6.9
8	☐			346.68		P	25.9
9	☐			386.68		P	4.0

164 Er [No Gas] No available calibration points

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			100.00		P	0.0
2	☐						
3	☐			130.56		P	14.7
4	☐			130.56		P	14.7
5	☐			138.90		P	22.7
6	☐			133.34		P	33.1
7	☐			155.56		P	17.2
8	☐			169.45		P	15.0
9	☐			191.68		P	13.0

164 Er [He] No available calibration points

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			76.67		P	23.0
2	☐						
3	☐			85.56		P	17.6
4	☐			74.45		P	2.6
5	☐			87.78		P	17.1
6	☐			84.45		P	47.1
7	☐			86.67		P	33.3
8	☐			116.67		P	14.3
9	☐			121.12		P	24.0

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

	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	647.27	0.0000	P	11.0
2	☐	0.100					
3	☐	1.000	0.967	15570.92	0.0009	P	3.6
4	☐	50.000	48.914	747370.37	0.0456	P	0.8
5	☐	125.000	124.116	1901266.67	0.1158	P	1.2
6	☐	250.000	248.726	3805811.15	0.2319	P	0.3
7	☐	500.000	496.563	7376435.49	0.4630	A	0.7
8	☐	1000.000	1002.202	14335005.70	0.9344	A	0.2
9	☐			4011.91	0.0003	P	5.4

$$y = 9.3234\text{E-}004 * x + 3.9215\text{E-}005$$

$$R = 1.0000$$

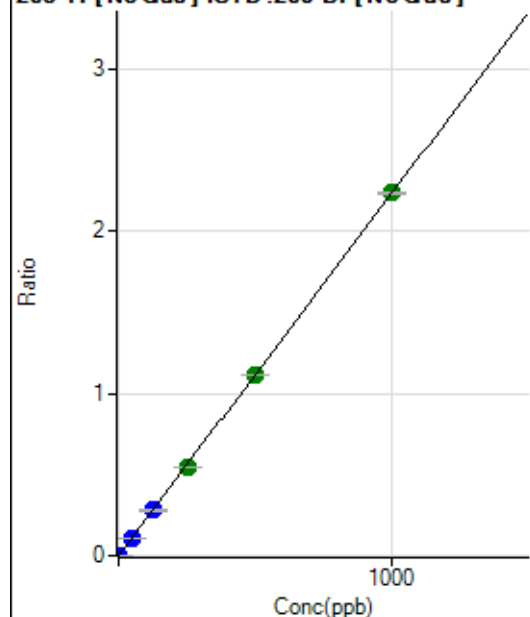
$$DL = 0.01394$$

$$BEC = 0.04206$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1289.01	0.0001	P	7.3
2	☐	0.100					
3	☐	1.000	0.966	36968.94	0.0022	P	1.0
4	☐	50.000	49.350	1805014.71	0.1102	P	0.5
5	☐	125.000	124.860	4578990.08	0.2788	P	0.9
6	☐	250.000	245.994	9011484.23	0.5492	A	0.4
7	☐	500.000	497.655	17699303.69	1.1109	A	0.2
8	☐	1000.000	1002.224	34320735.49	2.2372	A	0.9
9	☐			9250.86	0.0007	P	4.4

$$y = 0.0022 * x + 7.8108E-005$$

$$R = 1.0000$$

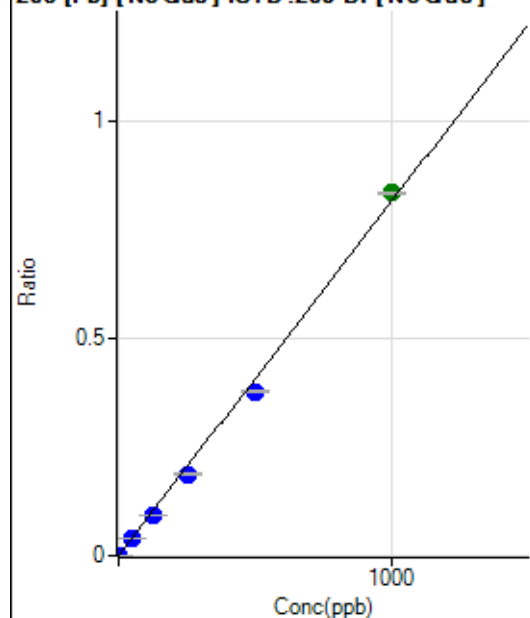
$$DL = 0.007623$$

$$BEC = 0.03499$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1424.19	0.0001	P	4.2
2	☐	0.100					
3	☐	1.000	0.902	13568.38	0.0008	P	4.0
4	☐	50.000	46.140	616152.29	0.0376	P	0.1
5	☐	125.000	116.196	1554338.82	0.0946	P	0.6
6	☐	250.000	230.045	3072919.31	0.1873	P	0.8
7	☐	500.000	463.953	6015785.49	0.3776	P	0.6
8	☐	1000.000	1024.306	12787402.37	0.8336	A	0.4
9	☐			27690.45	0.0021	P	1.8

$$y = 8.1369E-004 * x + 8.6302E-005$$

$$R = 0.9988$$

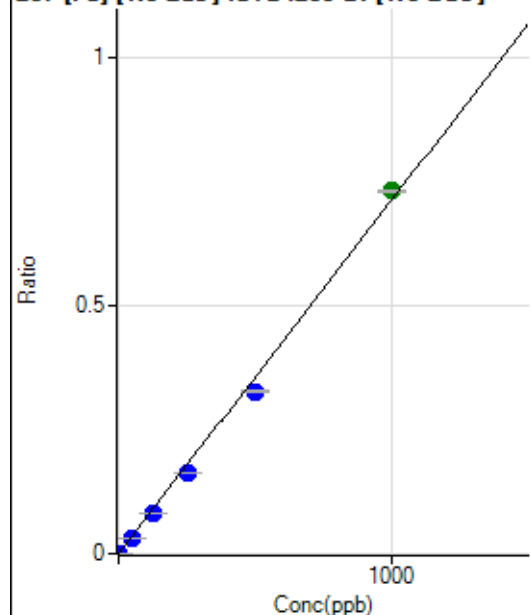
$$DL = 0.01338$$

$$BEC = 0.1061$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1322.33	0.0001	P	6.5
2	☐	0.100					
3	☐	1.000	0.920	12168.82	0.0007	P	2.7
4	☐	50.000	45.514	532306.19	0.0325	P	1.3
5	☐	125.000	115.217	1349678.86	0.0822	P	0.3
6	☐	250.000	229.025	2678900.96	0.1633	P	0.8
7	☐	500.000	459.780	5220267.54	0.3277	P	0.6
8	☐	1000.000	1026.801	11224575.60	0.7317	A	0.3
9	☐			25109.38	0.0019	P	1.6

$$y = 7.1251E-004 * x + 8.0133E-005$$

$$R = 0.9986$$

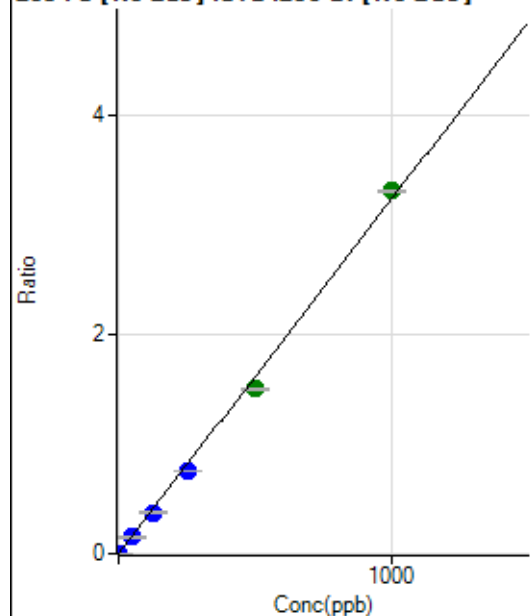
$$DL = 0.02202$$

$$BEC = 0.1125$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	5267.20	0.0003	P	2.8
2	☐	0.100					
3	☐	1.000	0.918	54338.76	0.0033	P	2.5
4	☐	50.000	46.055	2439456.01	0.1490	P	0.6
5	☐	125.000	116.394	6176334.02	0.3760	P	0.3
6	☐	250.000	232.151	12301498.54	0.7497	P	0.6
7	☐	500.000	464.299	23881872.87	1.4991	A	0.6
8	☐	1000.000	1023.586	50692630.19	3.3044	A	0.2
9	☐			111528.02	0.0085	P	1.6

$$y = 0.0032 * x + 3.1917E-004$$

$$R = 0.9989$$

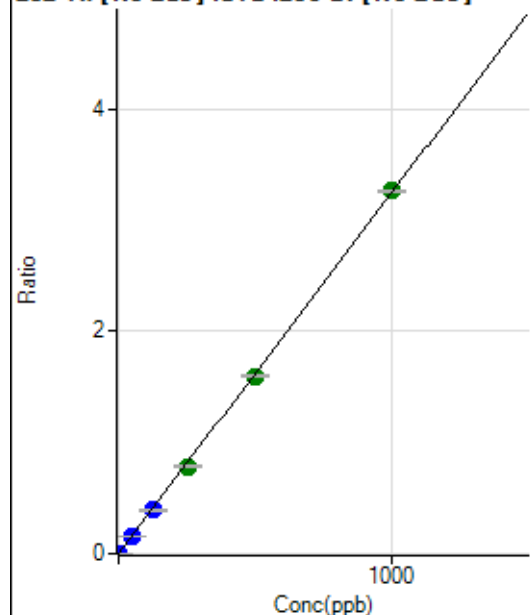
$$DL = 0.008417$$

$$BEC = 0.09888$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2316.95	0.0001	P	4.2
2	☐	0.100					
3	☐	1.000	0.824	46533.57	0.0028	P	1.5
4	☐	50.000	46.733	2482885.65	0.1516	P	0.3
5	☐	125.000	120.353	6410434.05	0.3903	P	1.0
6	☐	250.000	241.357	12840544.50	0.7826	A	1.2
7	☐	500.000	493.274	25478208.90	1.5992	A	0.3
8	☐	1000.000	1006.268	50044531.21	3.2622	A	0.7
9	☐			10319.14	0.0008	P	1.8

$$y = 0.0032 * x + 1.4039E-004$$

$$R = 0.9999$$

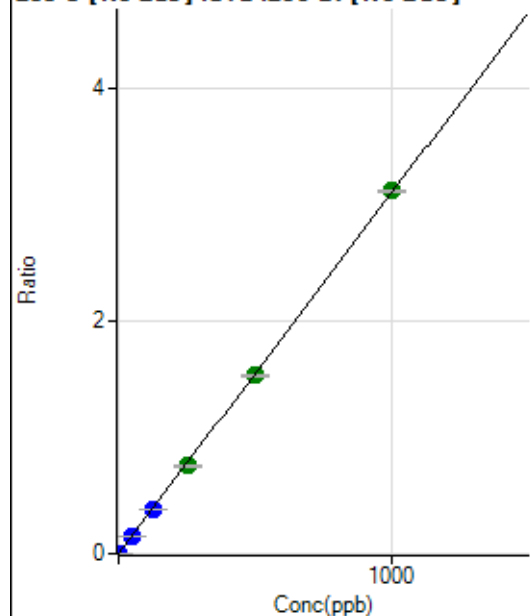
$$DL = 0.005507$$

$$BEC = 0.04331$$

Weight: <None>

Min Conc: 0

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



	R _{jc} t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2567.06	0.0002	P	1.4
2	☐	0.100					
3	☐	1.000	0.910	49253.30	0.0030	P	2.0
4	☐	50.000	47.277	2401148.17	0.1466	P	0.3
5	☐	125.000	121.484	6185169.15	0.3766	P	1.1
6	☐	250.000	242.946	12354578.05	0.7529	A	1.1
7	☐	500.000	493.508	24363307.49	1.5293	A	0.9
8	☐	1000.000	1005.585	47802739.61	3.1160	A	0.4
9	☐			5304.09	0.0004	P	1.2

$$y = 0.0031 * x + 1.5556E-004$$

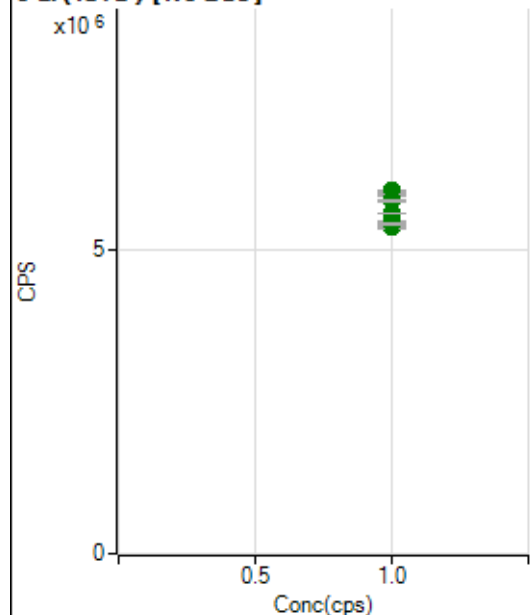
$$R = 0.9999$$

$$DL = 0.002044$$

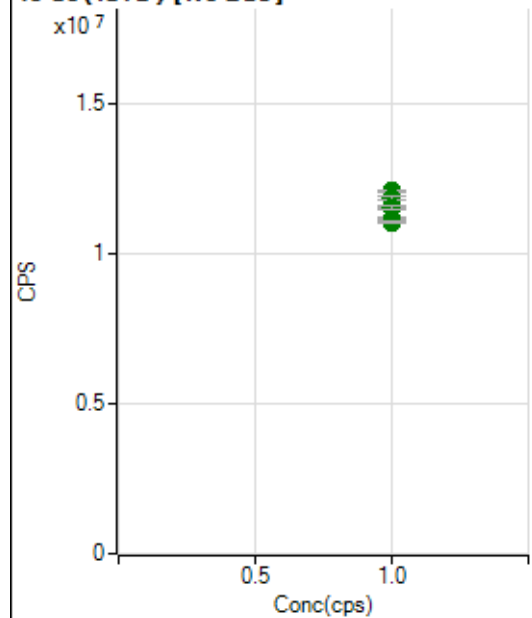
$$BEC = 0.0502$$

Weight: <None>

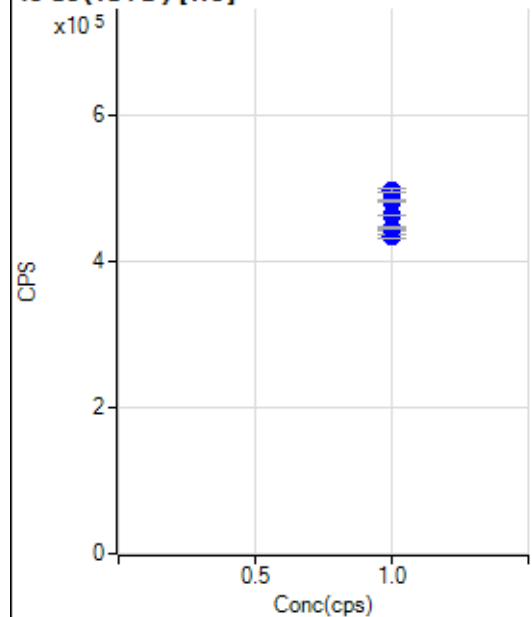
Min Conc: 0

6 Li (ISTD) [No Gas]

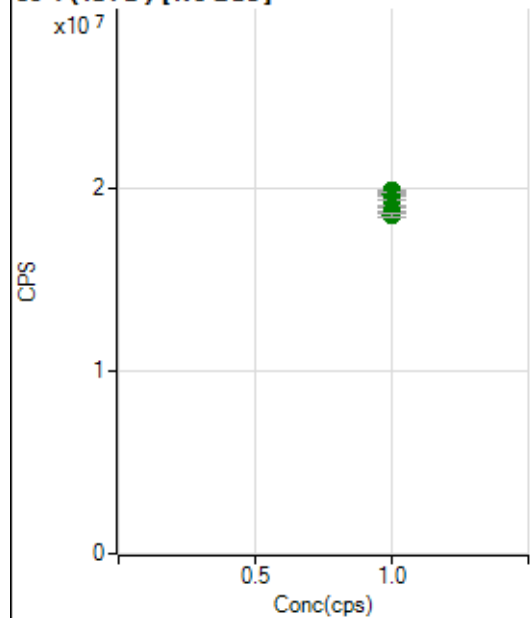
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		5966362.48		A	0.3
2	☐	1.000					
3	☐	1.000		5982201.44		A	0.4
4	☐	1.000		5916471.58		A	0.4
5	☐	1.000		5818555.19		A	0.8
6	☐	1.000		5605082.69		A	0.1
7	☐	1.000		5467292.00		A	0.6
8	☐	1.000		5380889.44		A	0.6
9	☐	1.000		5443739.64		A	0.6

45 Sc (ISTD) [No Gas]

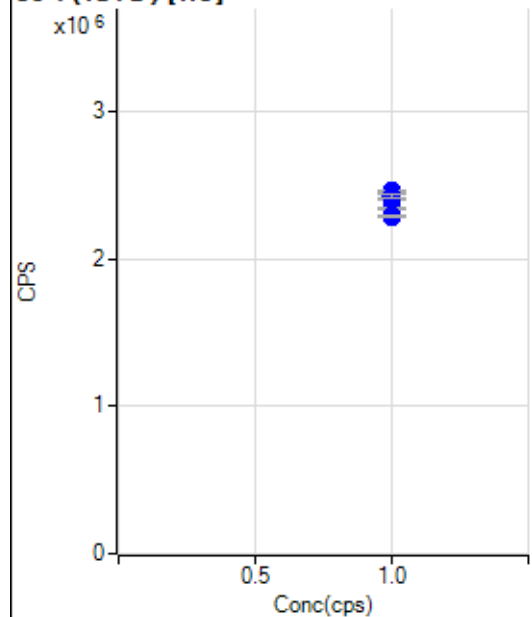
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11850214.50		A	0.7
2	☐	1.000					
3	☐	1.000		12093369.37		A	0.2
4	☐	1.000		11867177.09		A	1.4
5	☐	1.000		11548796.26		A	0.7
6	☐	1.000		11167910.75		A	0.3
7	☐	1.000		11014578.29		A	0.2
8	☐	1.000		11066316.57		A	0.3
9	☐	1.000		11531148.00		A	1.4

45 Sc (ISTD) [He]

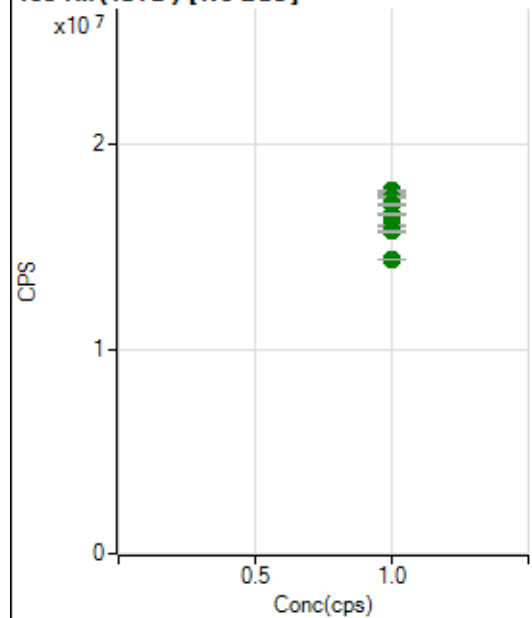
	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		482721.33		P	0.1
2	☐	1.000					
3	☐	1.000		482056.02		P	0.3
4	☐	1.000		462979.00		P	0.4
5	☐	1.000		443679.43		P	0.8
6	☐	1.000		436129.60		P	0.1
7	☐	1.000		434514.19		P	1.2
8	☐	1.000		444884.63		P	0.6
9	☐	1.000		495994.66		P	1.2

89 Y (ISTD) [No Gas]

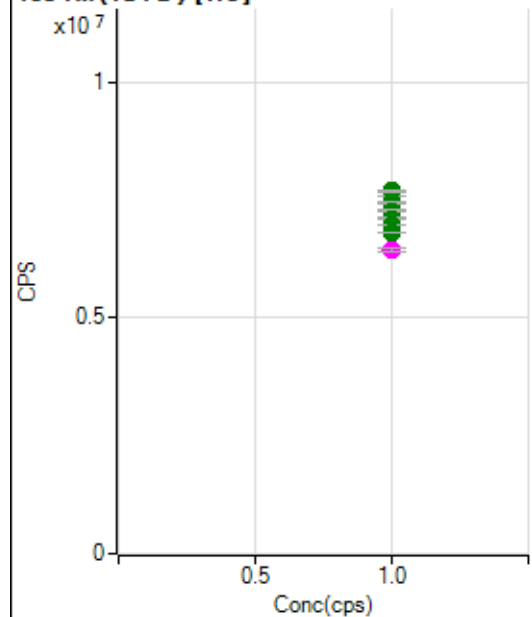
	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		19804358.73		A	0.5
2	☐	1.000					
3	☐	1.000		19891074.98		A	0.1
4	☐	1.000		19692956.51		A	0.9
5	☐	1.000		19412972.76		A	0.4
6	☐	1.000		19016643.33		A	0.4
7	☐	1.000		18749697.22		A	0.4
8	☐	1.000		18773164.02		A	0.3
9	☐	1.000		18556727.50		A	0.8

89 Y(ISTD) [He]

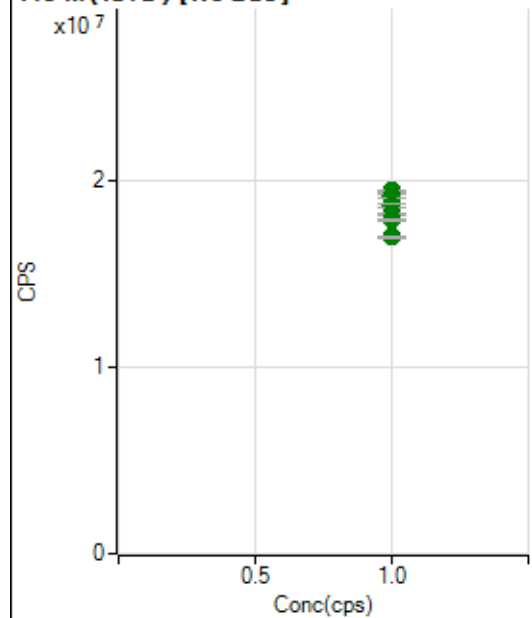
	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2454935.05		P	0.3
2	☐	1.000					
3	☐	1.000		2460085.80		P	0.2
4	☐	1.000		2401633.33		P	0.3
5	☐	1.000		2340728.14		P	0.9
6	☐	1.000		2287139.72		P	0.3
7	☐	1.000		2288118.44		P	0.5
8	☐	1.000		2291568.73		P	0.4
9	☐	1.000		2425380.43		P	1.1

103 Rh(ISTD) [No Gas]

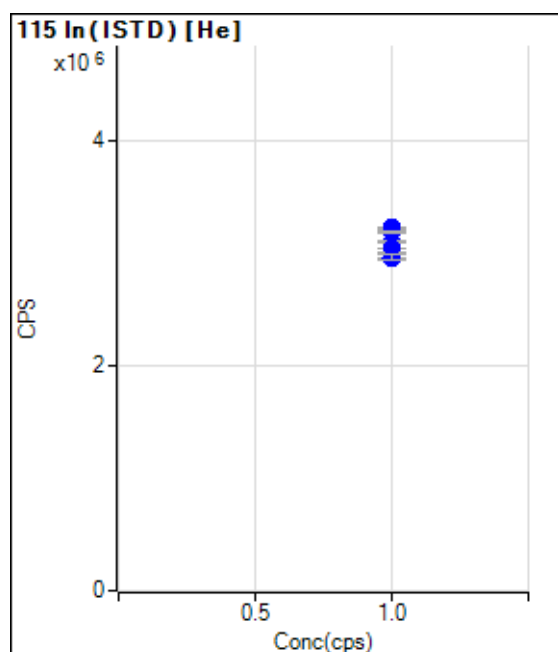
	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		17635957.17		A	0.8
2	☐	1.000					
3	☐	1.000		17751690.15		A	0.7
4	☐	1.000		17429190.15		A	0.7
5	☐	1.000		17095163.40		A	0.6
6	☐	1.000		16603487.35		A	0.4
7	☐	1.000		16076922.75		A	0.5
8	☐	1.000		15773038.55		A	0.3
9	☐	1.000		14411574.11		A	0.3

103 Rh (ISTD) [He]

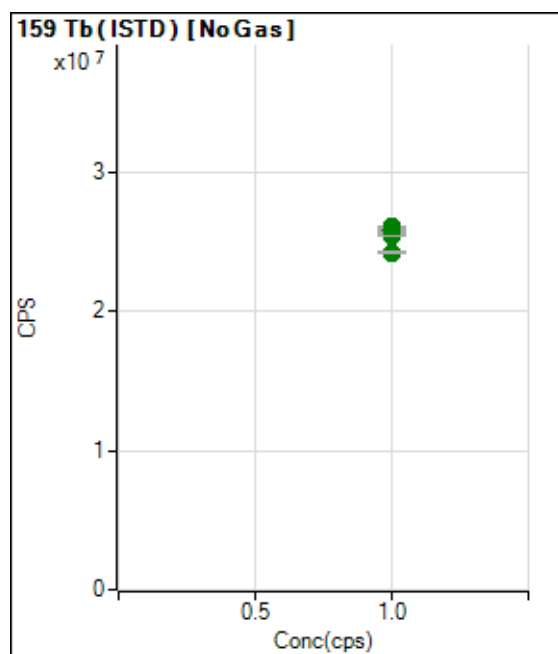
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		7580571.76		A	0.2
2	☐	1.000					
3	☐	1.000		7687671.48		A	0.3
4	☐	1.000		7441087.11		A	0.2
5	☐	1.000		7269234.89		A	0.5
6	☐	1.000		7109859.34		A	0.4
7	☐	1.000		6960499.48		A	0.2
8	☐	1.000		6800847.47		A	0.2
9	☐	1.000		6438738.10		M	1.5

115 In (ISTD) [No Gas]

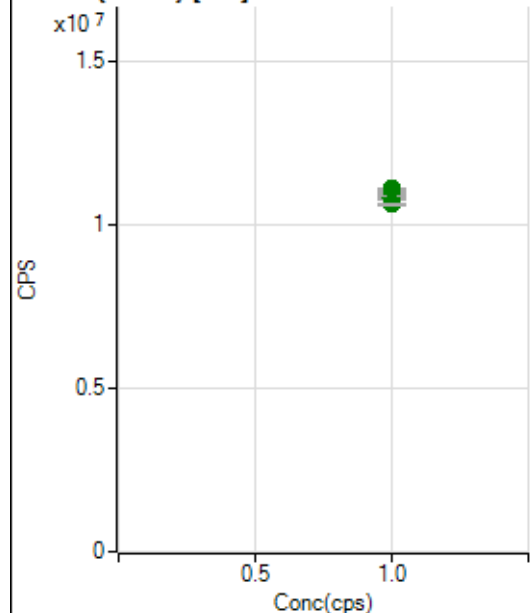
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		19490077.41		A	0.5
2	☐	1.000					
3	☐	1.000		19484247.68		A	0.4
4	☐	1.000		19229097.14		A	1.4
5	☐	1.000		19087214.52		A	0.2
6	☐	1.000		18693588.75		A	0.6
7	☐	1.000		18253380.42		A	0.6
8	☐	1.000		17941666.03		A	0.5
9	☐	1.000		17017483.02		A	0.7



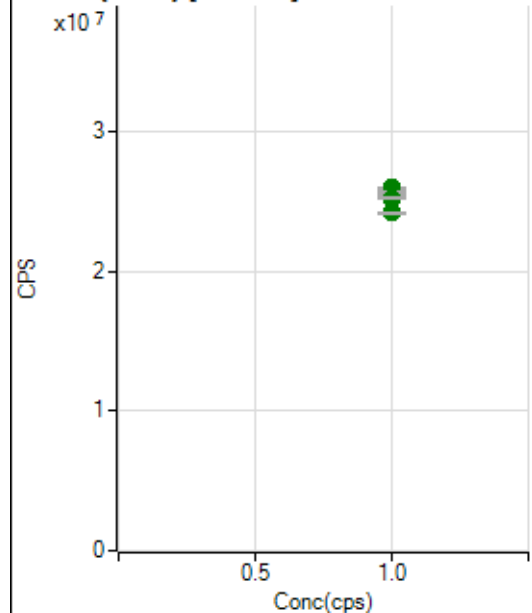
	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		3215696.74		P	0.1
2	☐	1.000					
3	☐	1.000		3223407.06		P	0.2
4	☐	1.000		3193089.32		P	0.5
5	☐	1.000		3095634.73		P	0.5
6	☐	1.000		3036324.12		P	0.2
7	☐	1.000		2999018.36		P	1.0
8	☐	1.000		2948530.50		P	0.5
9	☐	1.000		2963556.22		P	1.3



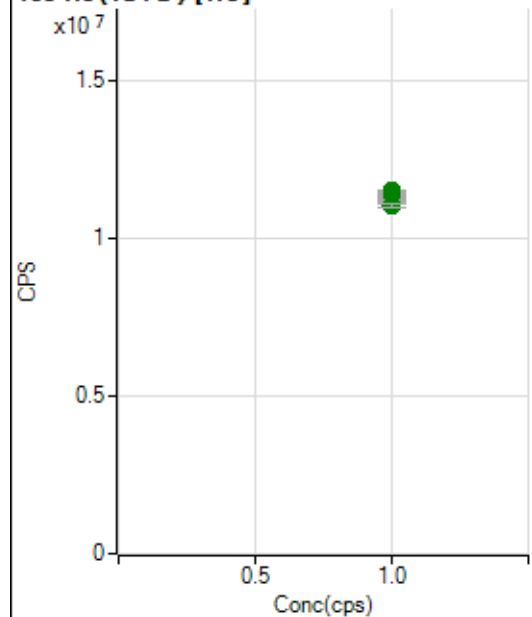
	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		25706597.67		A	0.5
2	☐	1.000					
3	☐	1.000		25908916.56		A	0.6
4	☐	1.000		25914732.11		A	0.9
5	☐	1.000		26083758.22		A	0.1
6	☐	1.000		25867276.84		A	0.7
7	☐	1.000		25669965.73		A	0.4
8	☐	1.000		25445378.78		A	0.2
9	☐	1.000		24234196.86		A	0.3

159 Tb (ISTD) [He]

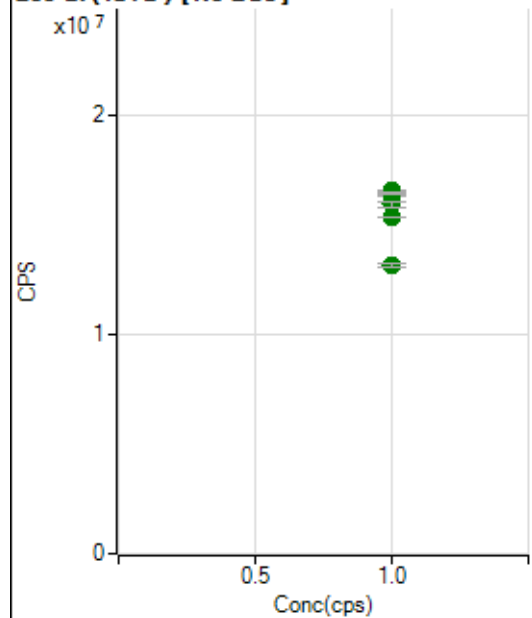
	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		11052994.97		A	0.6
2	☐	1.000					
3	☐	1.000		11116642.20		A	0.5
4	☐	1.000		11030117.20		A	0.6
5	☐	1.000		10967178.59		A	0.4
6	☐	1.000		10936905.26		A	0.4
7	☐	1.000		10890458.17		A	0.6
8	☐	1.000		10825371.09		A	1.1
9	☐	1.000		10651980.26		A	0.5

165 Ho (ISTD) [No Gas]

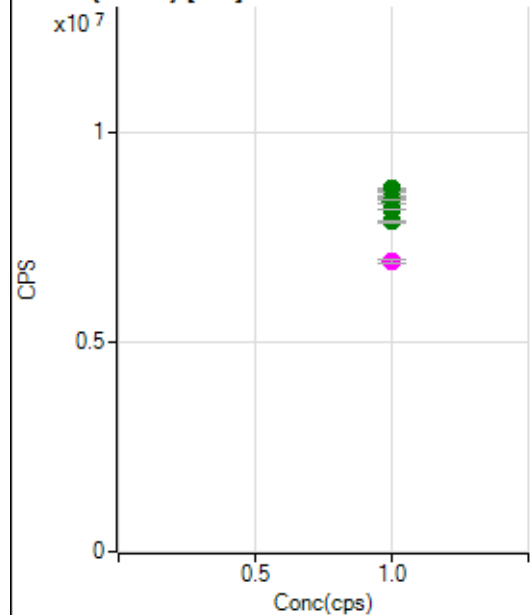
	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		25478786.51		A	0.9
2	☐	1.000					
3	☐	1.000		25649586.86		A	0.3
4	☐	1.000		25613799.53		A	1.2
5	☐	1.000		25951589.12		A	0.7
6	☐	1.000		25831176.96		A	0.7
7	☐	1.000		25604647.62		A	0.7
8	☐	1.000		25209526.43		A	0.4
9	☐	1.000		24192314.95		A	0.5

165 Ho (ISTD) [He]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		11337169.69		A	0.3
2	☐	1.000					
3	☐	1.000		11500219.55		A	0.5
4	☐	1.000		11415057.47		A	0.4
5	☐	1.000		11323505.66		A	0.5
6	☐	1.000		11381027.19		A	0.7
7	☐	1.000		11342140.11		A	0.1
8	☐	1.000		11186847.33		A	0.1
9	☐	1.000		11007453.86		A	1.0

209 Bi (ISTD) [No Gas]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		16502840.31		A	0.2
2	☐	1.000					
3	☐	1.000		16545528.36		A	0.5
4	☐	1.000		16373964.34		A	0.3
5	☐	1.000		16425018.64		A	0.4
6	☐	1.000		16408923.64		A	0.4
7	☐	1.000		15932061.99		A	1.3
8	☐	1.000		15340859.35		A	0.2
9	☐	1.000		13148769.80		A	1.0

209 Bi (ISTD) [He]

	Rjc t	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		8598038.83		A	0.8
2	☐	1.000					
3	☐	1.000		8648155.92		A	0.4
4	☐	1.000		8570719.67		A	0.4
5	☐	1.000		8448090.71		A	0.4
6	☐	1.000		8344705.01		A	0.8
7	☐	1.000		8159219.25		A	0.3
8	☐	1.000		7874832.31		A	0.4
9	☐	1.000		6936518.16		M	1.2