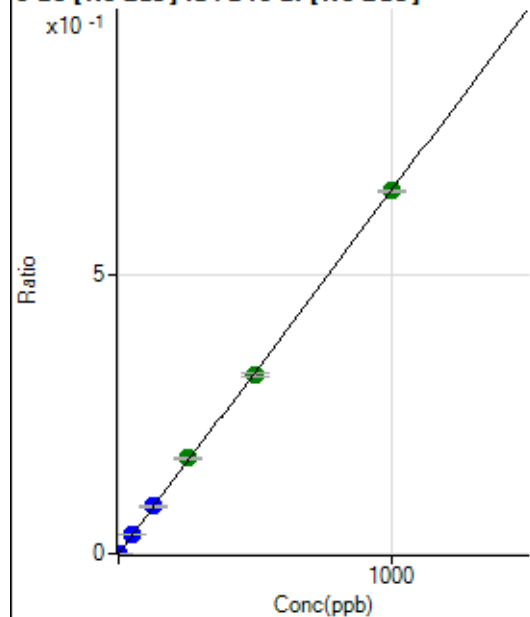


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8012325MS.b\
Analysis File: P8012325MS.batch.bin
DA Date-Time: 2025-01-27 13:29:42
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-01-23 12:45:59
2	006CALS.d	S02	2025-01-23 12:52:46
3	007CALB.d	S03	2025-01-23 12:56:08
4	008CALS.d	S04	2025-01-23 12:59:19
5	009CALS.d	S05	2025-01-23 13:02:21
6	010CALS.d	S06	2025-01-23 13:05:19
7	011CALS.d	S07	2025-01-23 13:08:09
8	012CALS.d	S08	2025-01-23 13:10:56

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	155.81	0.0000	P	5.8
2	☐	1.000	0.961	4108.40	0.0007	P	3.7
3	☐	50.000	52.016	209759.80	0.0340	P	0.8
4	☐	125.000	130.490	516194.94	0.0852	P	1.8
5	☐	250.000	263.920	1062906.20	0.1724	A	1.7
6	☐	500.000	494.571	2021720.53	0.3230	A	2.1
7	☐	1000.000	998.447	3878635.36	0.6521	A	0.9
8	☐			856.59	0.0002	P	15.6

$$y = 6.5307\text{E-}004 * x + 2.4950\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.006607$$

$$BEC = 0.0382$$

Weight: <None>

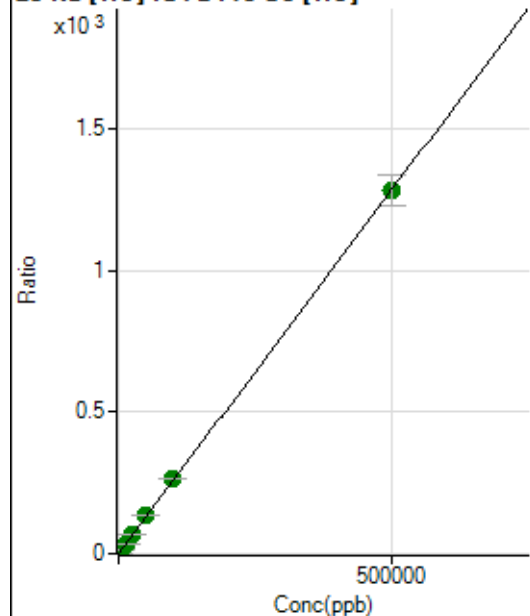
Min Conc: 0

12 C [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			2767376.83		A	1.8
2	☐			2860680.76		A	1.5
3	☐			2655213.95		A	0.4
4	☐			2702130.13		A	0.4
5	☐			2723910.27		A	1.2
6	☐			2863723.01		A	2.2
7	☐			3080552.04		A	3.7
8	☐			2483789.62		A	0.6

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			20833.70		P	0.8
2	☐			21574.82		P	0.9
3	☐			19935.80		P	0.4
4	☐			20637.95		P	1.9
5	☐			21084.10		P	0.5
6	☐			22687.56		P	1.4
7	☐			25651.30		P	0.5
8	☐			22659.78		P	1.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	14675.27	0.1308	P	0.6
2	☐	500.000	507.901	160172.49	1.4341	P	1.6
3	☐	5000.000	5439.969	1556940.41	14.0901	A	2.1
4	☐	12500.000	13332.637	3877337.65	34.3432	A	1.1
5	☐	25000.000	26250.788	7727851.20	67.4921	A	0.3
6	☐	50000.000	52816.306	15331418.80	135.6610	A	1.3
7	☐	100000.00	103385.28	30448559.27	265.4245	A	1.2
8	☐	500000.00	498953.55	128099978.0	1,280.479	A	8.4

$$y = 0.0026 * x + 0.1308$$

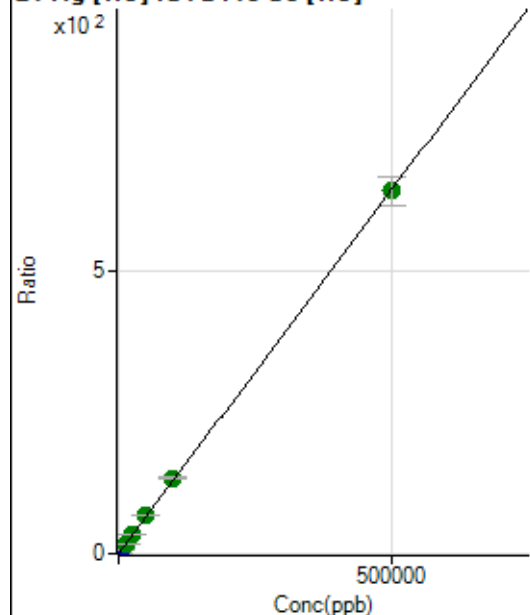
$$R = 1.0000$$

$$DL = 0.8755$$

$$BEC = 50.96$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	890.04	0.0079	P	7.6
2	☐	500.000	526.356	76439.89	0.6844	P	1.2
3	☐	5000.000	5426.572	771514.37	6.9818	P	1.5
4	☐	12500.000	13639.681	1979952.57	17.5367	A	0.2
5	☐	25000.000	26563.534	3909658.14	34.1456	A	0.7
6	☐	50000.000	52804.712	7670142.94	67.8689	A	1.1
7	☐	100000.00	103923.23	15322022.97	133.5630	A	1.0
8	☐	500000.00	498823.92	64138474.60	641.0625	A	8.2

$$y = 0.0013 * x + 0.0079$$

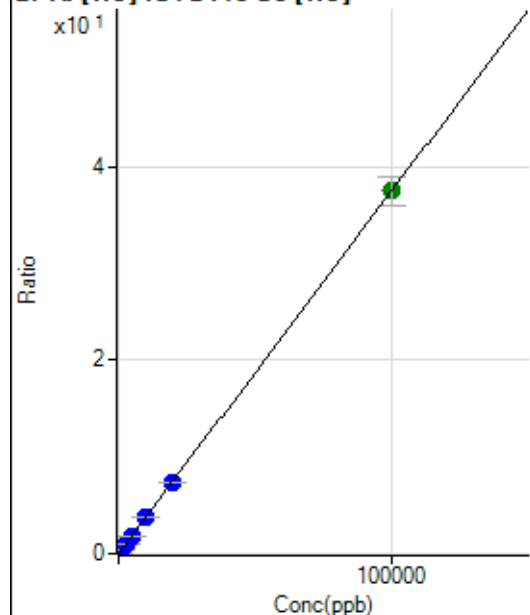
$$R = 1.0000$$

$$DL = 1.405$$

$$BEC = 6.17$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	63.33	0.0006	P	16.0
2	☐	20.000	18.141	822.25	0.0074	P	6.7
3	☐	1000.000	1047.161	43436.74	0.3931	P	2.5
4	☐	2500.000	2549.136	107949.84	0.9561	P	0.4
5	☐	5000.000	4979.654	213801.53	1.8673	P	0.3
6	☐	10000.000	9927.089	420632.29	3.7219	P	0.3
7	☐	20000.000	19603.521	843088.51	7.3492	P	0.4
8	☐	100000.00	100085.90	3754101.26	37.5192	A	8.0

$$y = 3.7486E-004 * x + 5.6445E-004$$

$$R = 1.0000$$

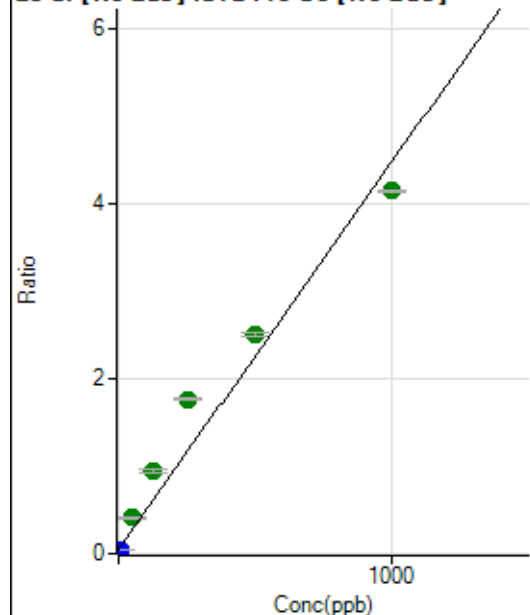
$$DL = 0.7245$$

$$BEC = 1.506$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	335853.71	0.0463	P	0.4
2	☐	10.000	1.691	389158.34	0.0538	P	0.6
3	☐	50.000	81.825	2892544.51	0.4083	A	1.1
4	☐	125.000	202.553	6655924.90	0.9424	A	3.0
5	☐	250.000	388.192	12934777.17	1.7637	A	1.4
6	☐	500.000	555.526	18735105.55	2.5040	A	2.6
7	☐	1000.000	926.487	30083627.33	4.1451	A	0.5
8	☐			420306.98	0.0665	P	1.4

$$y = 0.0044 * x + 0.0463$$

$$R = 0.9835$$

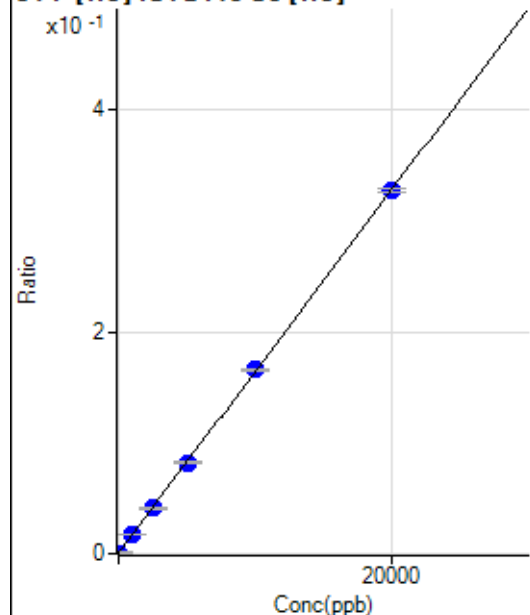
$$DL = 0.1321$$

$$BEC = 10.46$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-14.004	41.11	0.0004	P	17.0
2	☐	0.000	14.004	92.22	0.0008	P	15.2
3	☐	1000.000	1051.514	1966.82	0.0178	P	4.4
4	☐	2500.000	2482.123	4651.90	0.0412	P	3.4
5	☐	5000.000	4976.377	9390.89	0.0820	P	1.8
6	☐	10000.000	10103.149	18749.99	0.1659	P	0.4
7	☐	20000.000	19953.990	37522.88	0.3271	P	1.0
8	☐			38.89	0.0004	P	38.7

$$y = 1.6362E-005 * x + 5.9549E-004$$

$$R = 1.0000$$

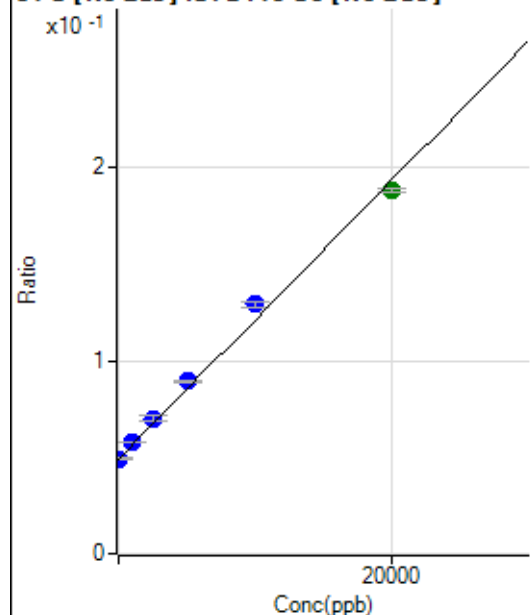
$$DL = 17.2$$

$$BEC = 36.39$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-29.198	354901.83	0.0489	P	1.3
2	☐	0.000	29.198	357066.61	0.0493	P	1.0
3	☐	1000.000	1196.613	409281.90	0.0578	P	1.1
4	☐	2500.000	2923.691	496129.92	0.0703	P	3.4
5	☐	5000.000	5594.746	656795.50	0.0896	P	0.9
6	☐	10000.000	11109.104	968197.54	0.1294	P	2.5
7	☐	20000.000	19233.970	1365266.42	0.1881	A	0.9
8	☐			277215.24	0.0439	P	1.1

$$y = 7.2254\text{E-}006 * x + 0.0491$$

R = 0.9970

DL = 225.4

BEC = 6799

Weight: <None>

Min Conc: 0

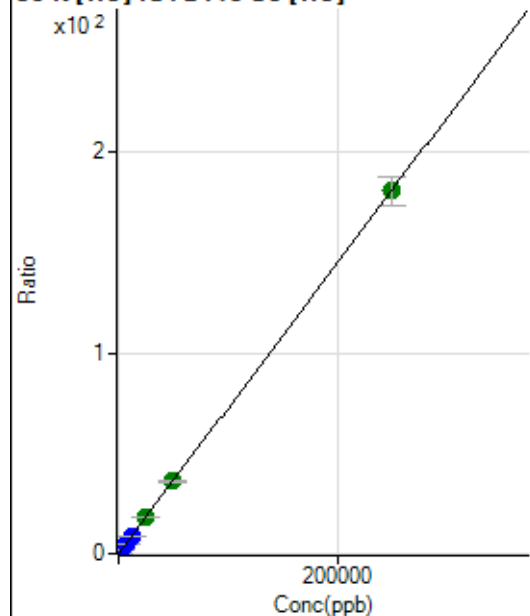
35 Cl [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			50738.49		P	1.5
2	☐			51435.43		P	0.9
3	☐			54738.49		P	1.5
4	☐			56143.82		P	1.8
5	☐			59371.06		P	2.2
6	☐			70070.60		P	1.9
7	☐			83140.44		P	3.0
8	☐			49502.07		P	2.9

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			188.89		P	20.5
2	☐			168.89		P	8.0
3	☐			178.89		P	6.5
4	☐			194.45		P	11.4
5	☐			193.33		P	3.0
6	☐			280.01		P	2.4
7	☐			330.01		P	1.7
8	☐			164.45		P	15.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	4356.25	0.0388	P	1.7
2	☐	500.000	481.471	43174.40	0.3866	P	1.7
3	☐	2500.000	2490.533	203065.08	1.8376	P	1.2
4	☐	6250.000	6108.116	502448.66	4.4504	P	0.7
5	☐	12500.000	12068.039	1002436.33	8.7550	P	0.2
6	☐	25000.000	25408.612	2078363.00	18.3902	A	0.7
7	☐	50000.000	50177.053	4161735.53	36.2792	A	2.5
8	☐	250000.00	249949.00	18068995.84	180.5648	A	7.8

$$y = 7.2225E-004 * x + 0.0388$$

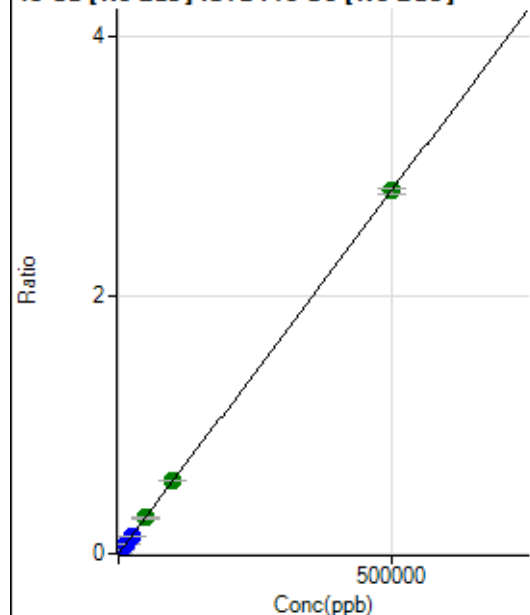
$$R = 1.0000$$

$$DL = 2.675$$

$$BEC = 53.75$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	448.90	0.0001	P	5.2
2	☐	500.000	486.080	20220.95	0.0028	P	1.4
3	☐	5000.000	5075.726	202567.03	0.0286	P	0.3
4	☐	12500.000	12718.720	505368.13	0.0716	P	3.0
5	☐	25000.000	24403.853	1006514.62	0.1372	P	1.3
6	☐	50000.000	49638.685	2088160.11	0.2791	A	2.7
7	☐	100000.00	100781.98	4111716.64	0.5666	A	2.1
8	☐	500000.00	499903.33	17759266.96	2.8101	A	1.6

$$y = 5.6211\text{E-}006 * x + 6.1871\text{E-}005$$

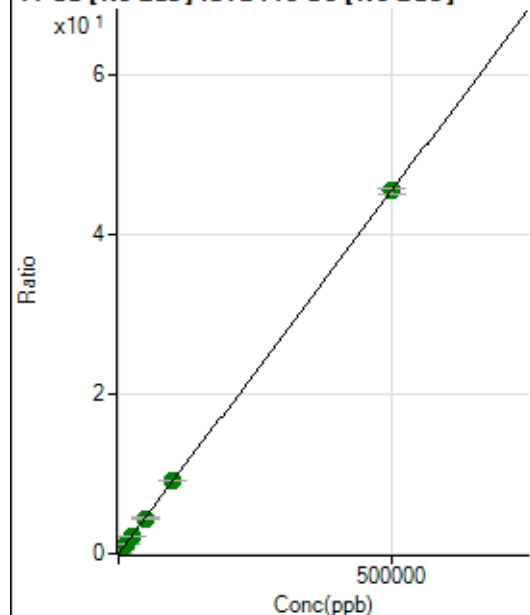
$$R = 1.0000$$

$$DL = 1.726$$

$$BEC = 11.01$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	8130.14	0.0011	P	1.5
2	☐	500.000	482.167	325863.05	0.0450	P	1.2
3	☐	5000.000	5151.223	3331189.88	0.4702	A	0.7
4	☐	12500.000	12813.797	8249908.84	1.1680	A	2.6
5	☐	25000.000	24906.893	16643091.56	2.2692	A	0.8
6	☐	50000.000	48757.563	33228450.62	4.4411	A	2.8
7	☐	100000.00	100481.88	66414724.57	9.1513	A	1.3
8	☐	500000.00	500023.18	287770624.6	45.5349	A	1.7

$$y = 9.1063\text{E-}005 * x + 0.0011$$

$$R = 1.0000$$

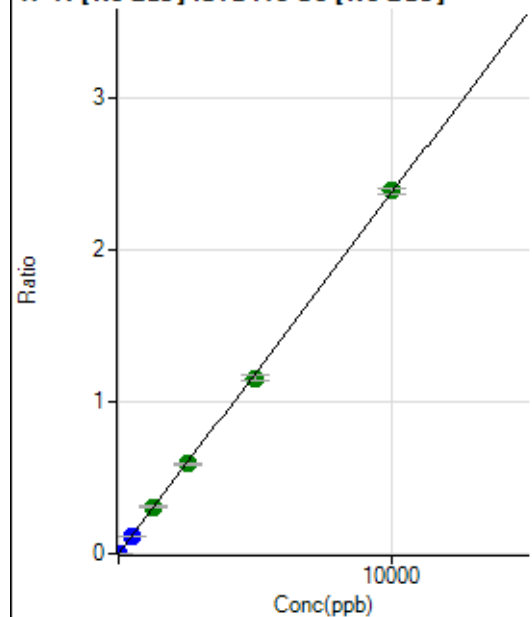
$$DL = 0.5708$$

$$BEC = 12.31$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	157.78	0.0000	P	14.2
2	☐	5.000	4.947	8659.36	0.0012	P	4.2
3	☐	500.000	503.977	848178.04	0.1197	P	0.4
4	☐	1250.000	1305.224	2189663.86	0.3100	A	3.2
5	☐	2500.000	2494.827	4345954.03	0.5926	A	1.9
6	☐	5000.000	4871.019	8656552.16	1.1570	A	2.6
7	☐	10000.000	10058.682	17338679.19	2.3891	A	1.6
8	☐			5076.50	0.0008	P	2.0

$$y = 2.3752E-004 * x + 2.1743E-005$$

$$R = 0.9999$$

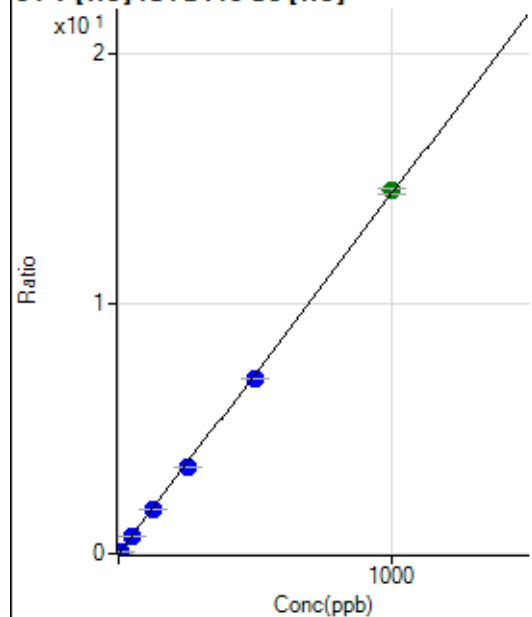
$$DL = 0.03886$$

$$BEC = 0.09154$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3.33	0.0000	P	100.1
2	☐	5.000	4.631	7457.56	0.0668	P	1.5
3	☐	50.000	49.297	78499.14	0.7104	P	0.9
4	☐	125.000	121.759	198073.74	1.7545	P	1.2
5	☐	250.000	242.371	399873.67	3.4924	P	0.1
6	☐	500.000	487.566	793977.42	7.0254	P	0.6
7	☐	1000.000	1008.567	1667116.40	14.5326	A	1.3
8	☐			366.67	0.0037	P	2.2

$$y = 0.0144 * x + 2.9656E-005$$

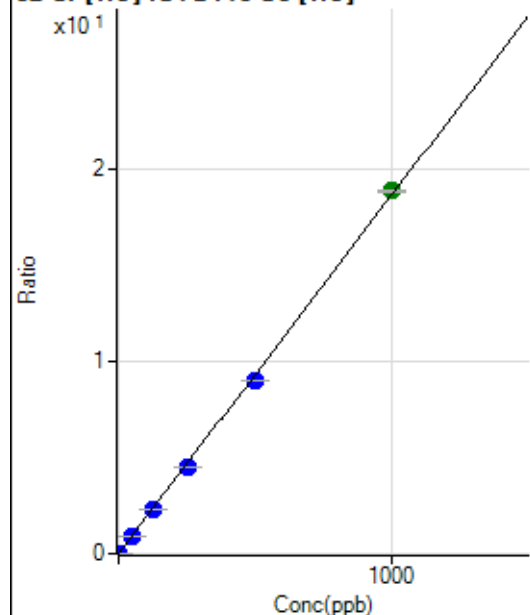
$$R = 0.9999$$

$$DL = 0.006179$$

$$BEC = 0.002058$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	491.13	0.0044	P	9.5
2	☐	2.000	1.800	4238.44	0.0379	P	0.6
3	☐	50.000	49.774	103060.13	0.9326	P	0.7
4	☐	125.000	121.969	257278.74	2.2789	P	1.4
5	☐	250.000	240.732	514516.52	4.4937	P	0.3
6	☐	500.000	481.173	1014597.38	8.9775	P	0.4
7	☐	1000.000	1012.121	2165733.23	18.8789	A	0.7
8	☐			2861.43	0.0286	P	11.3

$$y = 0.0186 * x + 0.0044$$

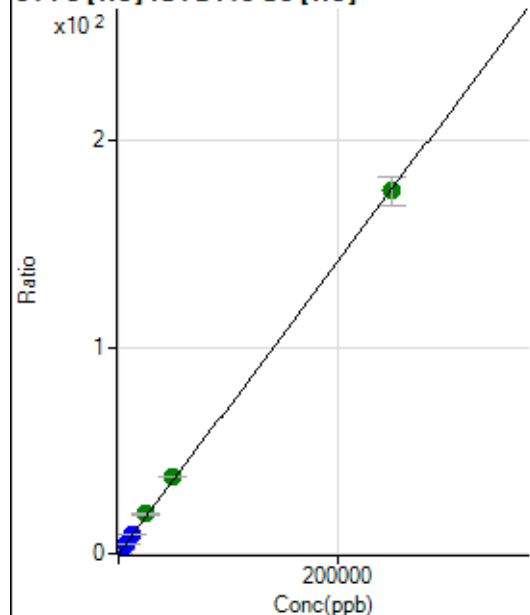
$$R = 0.9997$$

$$DL = 0.067$$

$$BEC = 0.2347$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	293.34	0.0026	P	13.4
2	☐	50.000	52.914	4457.41	0.0399	P	5.0
3	☐	2500.000	2719.684	212178.69	1.9201	P	1.4
4	☐	6250.000	6602.326	525831.62	4.6575	P	0.7
5	☐	12500.000	13069.759	1055368.45	9.2174	P	0.5
6	☐	25000.000	27110.615	2160511.10	19.1168	A	0.6
7	☐	50000.000	53024.655	4288888.62	37.3873	A	1.7
8	☐	250000.00	249144.51	17575926.54	175.6602	A	8.1

$$y = 7.0504E-004 * x + 0.0026$$

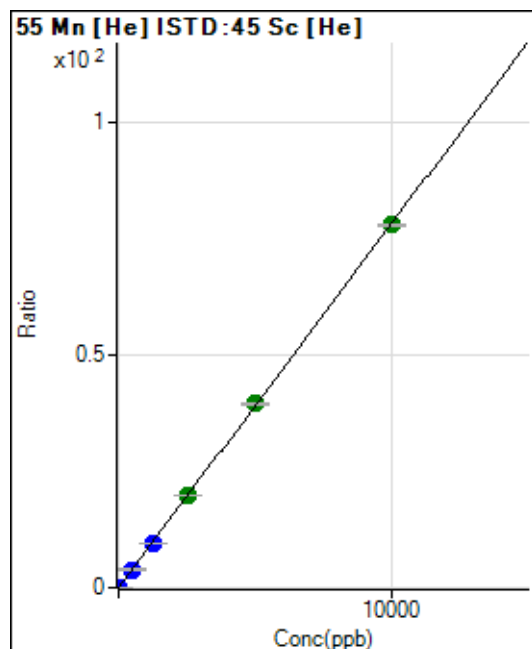
$$R = 0.9999$$

$$DL = 1.491$$

$$BEC = 3.708$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	88.89	0.0008	P	8.8
2	☐	1.000	0.891	865.59	0.0078	P	7.7
3	☐	500.000	500.369	432360.02	3.9125	P	1.1
4	☐	1250.000	1224.430	1080777.21	9.5730	P	0.8
5	☐	2500.000	2544.613	2277796.62	19.8937	A	0.5
6	☐	5000.000	5050.699	4462433.16	39.4855	A	1.0
7	☐	10000.000	9966.675	8938427.02	77.9170	A	0.6
8	☐			3224.85	0.0322	P	8.9

$$y = 0.0078 * x + 7.9209E-004$$

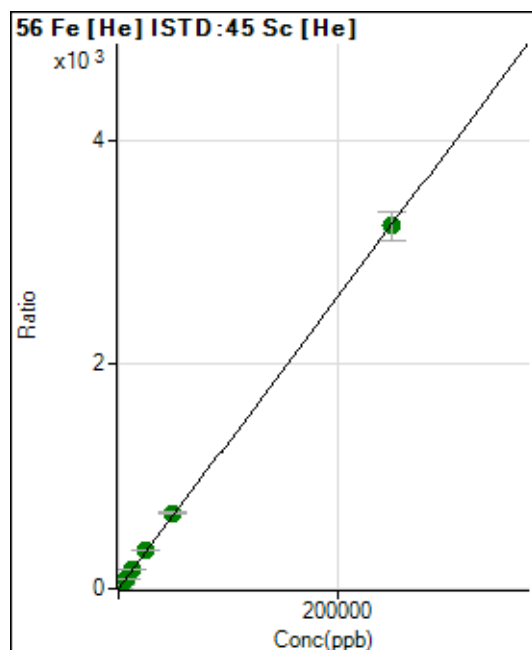
$$R = 1.0000$$

$$DL = 0.02668$$

$$BEC = 0.1013$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3976.15	0.0354	P	1.6
2	☐	50.000	52.063	79442.95	0.7113	P	2.1
3	☐	2500.000	2763.999	3969053.66	35.9166	A	0.9
4	☐	6250.000	6724.114	9859019.37	87.3254	A	1.0
5	☐	12500.000	13216.460	19648314.15	171.6066	A	1.4
6	☐	25000.000	26664.380	39123716.08	346.1824	A	0.6
7	☐	50000.000	52057.352	77528365.51	675.8245	A	0.8
8	☐	250000.00	249371.77	323944635.1	3,237.286	A	7.9

$$y = 0.0130 * x + 0.0354$$

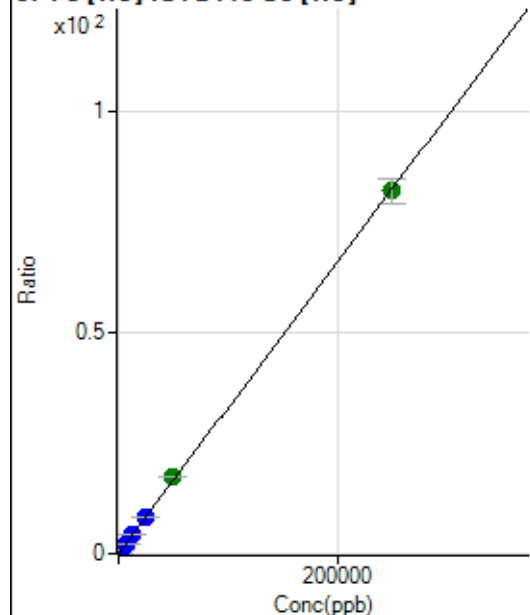
$$R = 1.0000$$

$$DL = 0.1332$$

$$BEC = 2.729$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	115.56	0.0010	P	13.0
2	☐	50.000	50.808	1981.27	0.0177	P	2.7
3	☐	2500.000	2640.910	96093.16	0.8696	P	2.3
4	☐	6250.000	6473.543	240500.17	2.1302	P	0.8
5	☐	12500.000	12747.397	480171.12	4.1937	P	0.7
6	☐	25000.000	25549.406	949827.08	8.4044	P	0.5
7	☐	50000.000	52977.856	1999014.61	17.4258	A	1.1
8	☐	250000.00	249330.12	8209563.63	82.0073	A	7.0

$$y = 3.2891\text{E-}004 * x + 0.0010$$

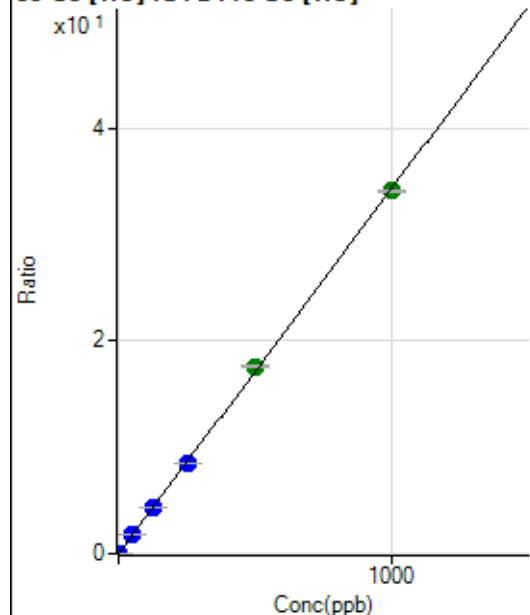
$$R = 0.9999$$

$$DL = 1.219$$

$$BEC = 3.131$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	65.55	0.0006	P	20.3
2	☐	1.000	0.998	3892.79	0.0348	P	1.1
3	☐	50.000	51.687	196058.10	1.7742	P	1.4
4	☐	125.000	126.012	488252.94	4.3246	P	0.6
5	☐	250.000	245.812	965861.08	8.4355	P	0.1
6	☐	500.000	513.169	1990215.21	17.6097	A	0.6
7	☐	1000.000	994.252	3913899.63	34.1179	A	0.8
8	☐			6829.48	0.0682	P	7.2

$$y = 0.0343 * x + 5.8393\text{E-}004$$

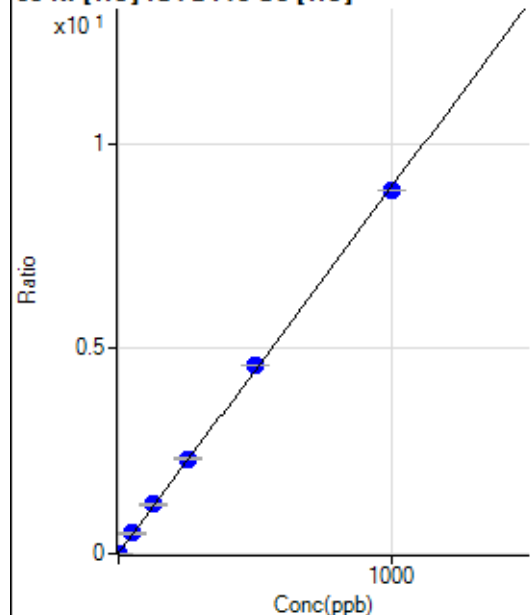
$$R = 0.9999$$

$$DL = 0.01037$$

$$BEC = 0.01702$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	840.03	0.0075	P	5.0
2	☐	1.000	0.918	1752.35	0.0157	P	3.9
3	☐	50.000	54.448	54538.45	0.4936	P	2.3
4	☐	125.000	133.119	135019.70	1.1959	P	0.5
5	☐	250.000	258.461	265053.90	2.3149	P	0.7
6	☐	500.000	514.900	520360.52	4.6043	P	0.4
7	☐	1000.000	989.198	1013956.17	8.8386	P	0.2
8	☐			2579.15	0.0258	P	9.3

$$y = 0.0089 * x + 0.0075$$

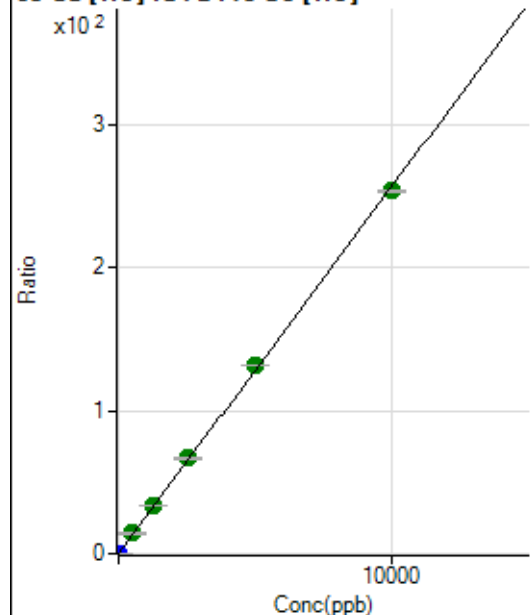
$$R = 0.9998$$

$$DL = 0.1261$$

$$BEC = 0.8385$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	2778.08	0.0248	P	2.3
2	☐	2.000	1.989	8457.03	0.0757	P	2.6
3	☐	500.000	552.946	1568802.98	14.1966	A	1.4
4	☐	1250.000	1325.550	3838553.41	33.9983	A	0.8
5	☐	2500.000	2596.980	7623844.89	66.5847	A	0.3
6	☐	5000.000	5147.133	14911982.14	131.9445	A	0.3
7	☐	10000.000	9890.097	29081615.95	253.5056	A	0.4
8	☐			5655.63	0.0565	P	7.3

$$y = 0.0256 * x + 0.0248$$

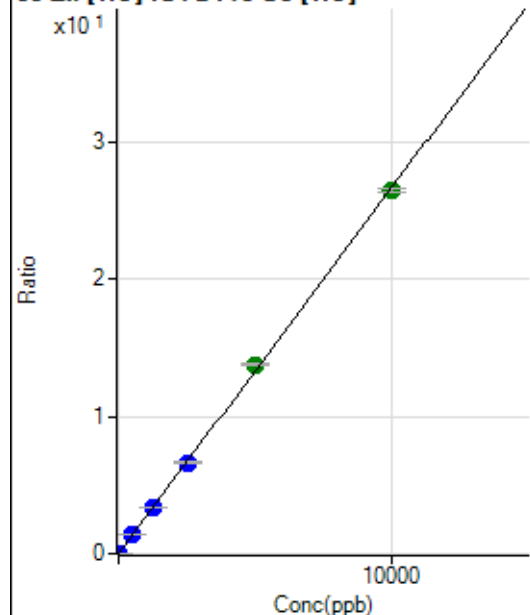
$$R = 0.9998$$

$$DL = 0.0662$$

$$BEC = 0.9659$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	228.89	0.0020	P	4.8
2	☐	2.000	4.970	1707.90	0.0153	P	4.9
3	☐	500.000	524.194	154736.07	1.4003	P	1.1
4	☐	1250.000	1271.671	383180.22	3.3940	P	0.9
5	☐	2500.000	2493.710	761841.00	6.6537	P	0.4
6	☐	5000.000	5158.265	1555167.91	13.7610	A	1.2
7	☐	10000.000	9918.521	3035208.42	26.4583	A	1.0
8	☐			936.71	0.0093	P	5.3

$$y = 0.0027 * x + 0.0020$$

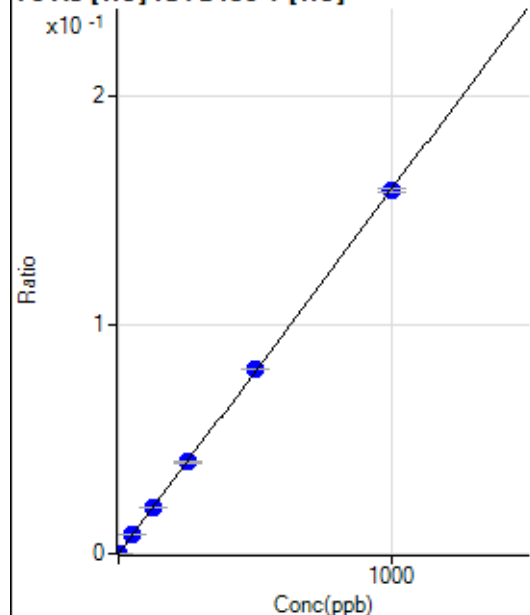
$$R = 0.9998$$

$$DL = 0.1093$$

$$BEC = 0.7647$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	2.22	0.0000	P	173.2
2	☐	1.000	0.829	143.34	0.0001	P	4.1
3	☐	50.000	50.568	8504.87	0.0081	P	0.7
4	☐	125.000	125.735	21510.93	0.0200	P	0.8
5	☐	250.000	250.995	43387.81	0.0400	P	1.4
6	☐	500.000	507.218	86916.74	0.0808	P	0.4
7	☐	1000.000	996.022	172406.99	0.1587	P	0.9
8	☐			63.33	0.0001	P	2.3

$$y = 1.5929E-004 * x + 2.0623E-006$$

$$R = 1.0000$$

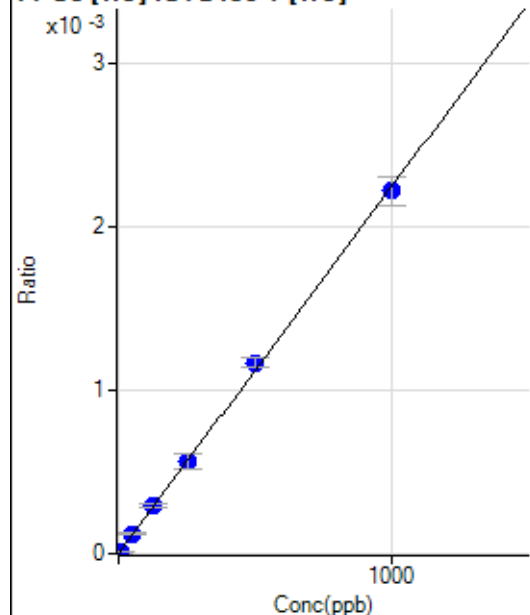
$$DL = 0.06727$$

$$BEC = 0.01295$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.2
2	☐	5.000	3.244	8.89	0.0000	P	57.4
3	☐	50.000	52.627	125.56	0.0001	P	8.0
4	☐	125.000	129.849	313.34	0.0003	P	9.4
5	☐	250.000	251.752	613.35	0.0006	P	15.2
6	☐	500.000	519.622	1253.40	0.0012	P	4.9
7	☐	1000.000	989.022	2409.12	0.0022	P	8.0
8	☐			0.00	0.0000	P	

$$y = 2.2400\text{E-}006 * x + 1.0541\text{E-}006$$

$$R = 0.9997$$

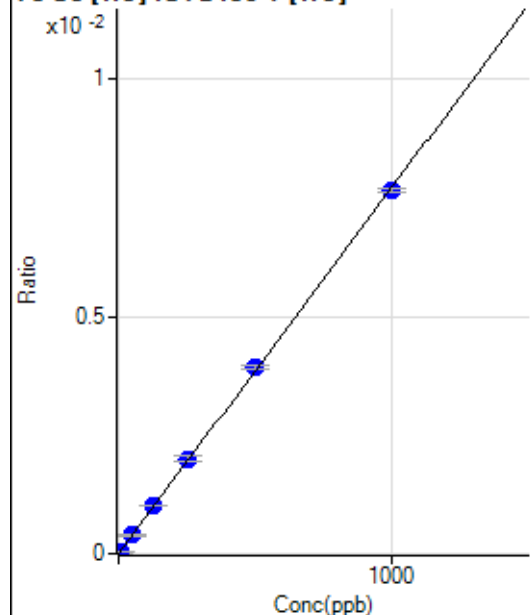
$$DL = 2.445$$

$$BEC = 0.4706$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.2
2	☐	5.000	5.534	46.67	0.0000	P	39.7
3	☐	50.000	50.584	412.23	0.0004	P	4.6
4	☐	125.000	129.675	1073.39	0.0010	P	1.0
5	☐	250.000	258.690	2162.41	0.0020	P	5.5
6	☐	500.000	510.470	4229.57	0.0039	P	2.4
7	☐	1000.000	991.976	8301.41	0.0076	P	1.2
8	☐			2.22	0.0000	P	173.2

$$y = 7.6997\text{E-}006 * x + 1.0541\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.7114$$

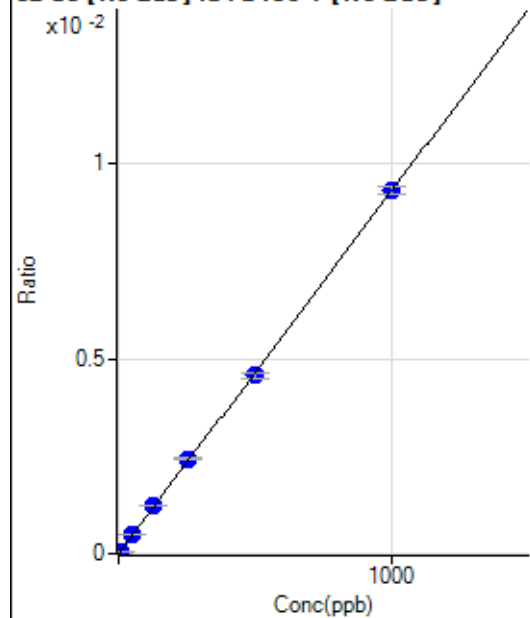
$$BEC = 0.1369$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			4854.23		P	1.1
2	☐			4965.39		P	2.3
3	☐			4768.64		P	1.3
4	☐			4967.60		P	2.5
5	☐			5254.37		P	2.9
6	☐			5221.02		P	1.9
7	☐			5417.75		P	2.9
8	☐			5382.20		P	4.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	-5.56	0.0000	P	-227.
2	☐	5.000	5.038	831.15	0.0000	P	10.9
3	☐	50.000	52.665	8598.37	0.0005	P	1.7
4	☐	125.000	133.664	21634.74	0.0012	P	0.7
5	☐	250.000	261.161	43085.34	0.0024	P	1.7
6	☐	500.000	491.326	85298.21	0.0046	P	3.3
7	☐	1000.000	1000.330	166857.61	0.0093	P	2.0
8	☐			1.11	0.0000	P	2091.

$$y = 9.3002\text{E-}006 * x - 3.1428\text{E-}007$$

$$R = 0.9999$$

$$DL = 0.2302$$

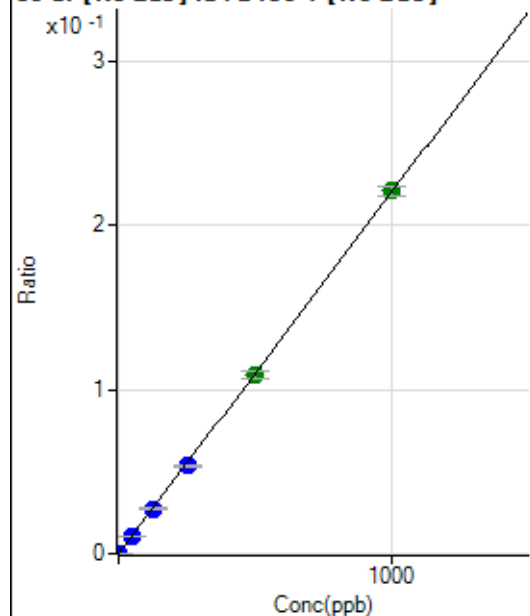
$$BEC = -0.03379$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			126.67		P	13.9
2	☐			145.56		P	17.5
3	☐			140.00		P	11.9
4	☐			117.78		P	5.9
5	☐			173.34		P	16.8
6	☐			158.89		P	9.5
7	☐			183.34		P	3.6
8	☐			235.56		P	5.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	212.23	0.0000	P	11.5
2	☐	1.000	0.879	3659.40	0.0002	P	3.8
3	☐	50.000	49.517	191377.24	0.0109	P	1.2
4	☐	125.000	124.047	474718.68	0.0273	P	1.7
5	☐	250.000	243.497	949637.03	0.0535	P	1.3
6	☐	500.000	494.734	2029818.62	0.1087	A	3.9
7	☐	1000.000	1004.402	3959261.05	0.2208	A	2.8
8	☐			10767.57	0.0007	P	1.9

$$y = 2.1978\text{E-}004 * x + 1.1988\text{E-}005$$

$$R = 1.0000$$

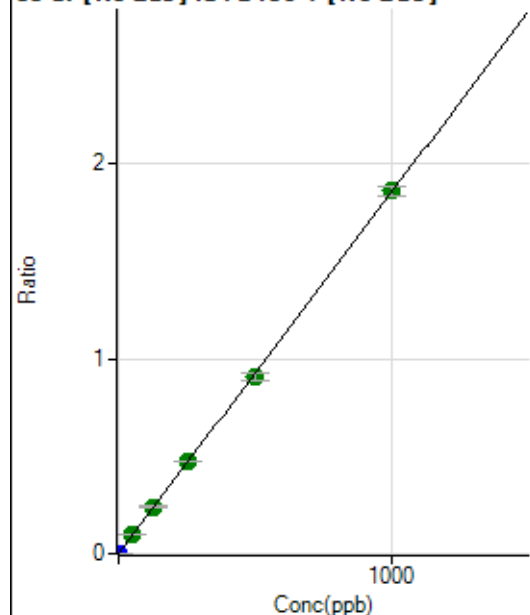
$$DL = 0.01877$$

$$BEC = 0.05454$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	436.68	0.0000	P	4.8
2	☐	1.000	0.909	30526.68	0.0017	P	3.5
3	☐	50.000	51.582	1681725.15	0.0957	A	0.4
4	☐	125.000	129.744	4190032.13	0.2408	A	2.3
5	☐	250.000	255.593	8414229.46	0.4743	A	0.7
6	☐	500.000	488.376	16914900.86	0.9062	A	4.0
7	☐	1000.000	1003.742	33403594.50	1.8624	A	2.6
8	☐			89504.21	0.0057	P	0.6

$$y = 0.0019 * x + 2.4664E-005$$

$$R = 0.9999$$

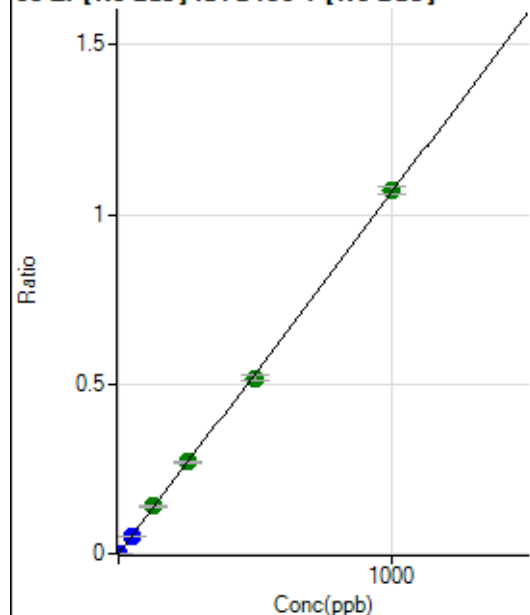
$$DL = 0.001932$$

$$BEC = 0.01329$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	555.57	0.0000	P	2.9
2	☐	1.000	0.946	18511.26	0.0010	P	2.9
3	☐	50.000	49.020	916446.68	0.0522	P	1.2
4	☐	125.000	131.691	2438260.54	0.1401	A	2.2
5	☐	250.000	253.081	4776281.91	0.2692	A	0.8
6	☐	500.000	486.828	9667115.21	0.5178	A	3.4
7	☐	1000.000	1005.029	19173917.35	1.0690	A	2.1
8	☐			9483.30	0.0006	P	1.2

$$y = 0.0011 * x + 3.1379E-005$$

$$R = 0.9998$$

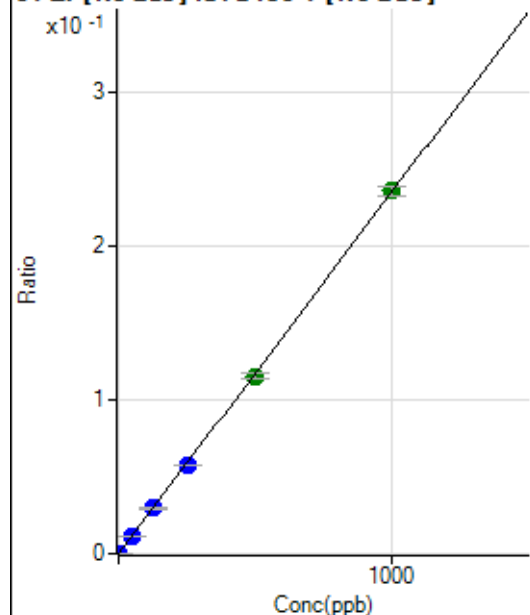
$$DL = 0.0026$$

$$BEC = 0.0295$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	105.56	0.0000	P	23.0
2	☐	1.000	0.922	3966.16	0.0002	P	5.4
3	☐	50.000	48.940	201802.51	0.0115	P	1.5
4	☐	125.000	125.505	512619.48	0.0295	P	1.7
5	☐	250.000	246.042	1024263.05	0.0577	P	1.1
6	☐	500.000	492.453	2156870.40	0.1155	A	3.7
7	☐	1000.000	1004.753	4228128.97	0.2357	A	2.9
8	☐			2115.74	0.0001	P	3.3

$$y = 2.3462\text{E-}004 * x + 5.9629\text{E-}006$$

$$R = 0.9999$$

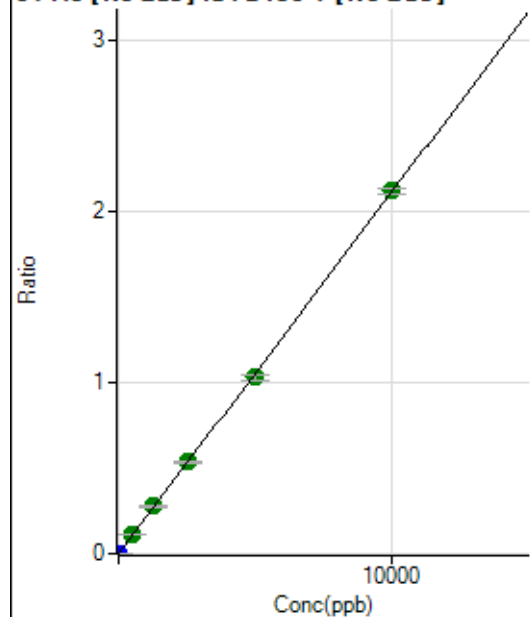
$$DL = 0.01751$$

$$BEC = 0.02541$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	227.78	0.0000	P	25.8
2	☐	5.000	5.574	21177.31	0.0012	P	2.0
3	☐	500.000	520.733	1927395.08	0.1097	A	0.9
4	☐	1250.000	1307.287	4794369.09	0.2754	A	1.2
5	☐	2500.000	2530.987	9460499.44	0.5332	A	0.7
6	☐	5000.000	4875.859	19180673.60	1.0273	A	2.7
7	☐	10000.000	10046.126	37962688.05	2.1165	A	1.9
8	☐			7870.08	0.0005	P	4.8

$$y = 2.1068\text{E-}004 * x + 1.2862\text{E-}005$$

$$R = 0.9999$$

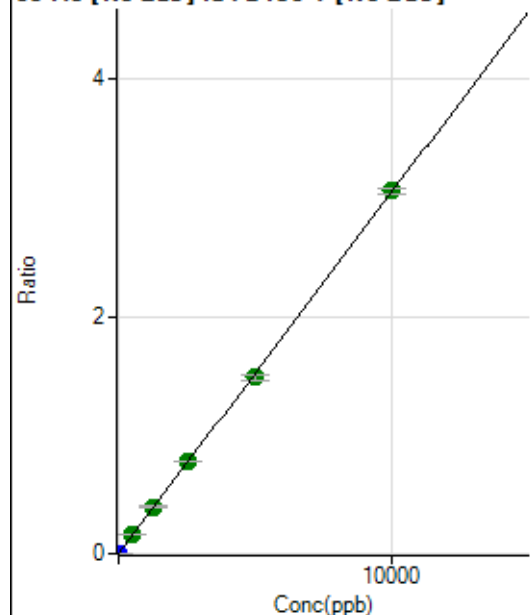
$$DL = 0.04719$$

$$BEC = 0.06105$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	84.44	0.0000	P	13.9
2	☐	5.000	4.668	25444.47	0.0014	P	3.7
3	☐	500.000	520.650	2785600.20	0.1586	A	1.7
4	☐	1250.000	1302.573	6904992.74	0.3967	A	1.8
5	☐	2500.000	2547.597	13765817.57	0.7759	A	1.4
6	☐	5000.000	4877.246	27735788.48	1.4855	A	2.8
7	☐	10000.000	10041.874	54857961.96	3.0584	A	1.5
8	☐			7498.75	0.0005	P	4.9

$$y = 3.0457\text{E-}004 * x + 4.7693\text{E-}006$$

$$R = 0.9999$$

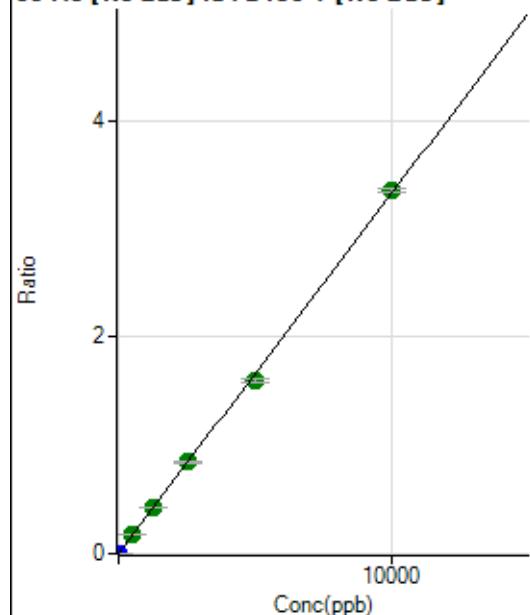
$$DL = 0.006508$$

$$BEC = 0.01566$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	135.56	0.0000	P	5.6
2	☐	5.000	4.670	27873.60	0.0016	P	2.4
3	☐	500.000	516.089	3018781.66	0.1718	A	2.2
4	☐	1250.000	1290.625	7480396.76	0.4297	A	1.3
5	☐	2500.000	2541.462	15013289.36	0.8462	A	0.5
6	☐	5000.000	4824.933	29997387.33	1.6066	A	2.5
7	☐	10000.000	10071.286	60150391.88	3.3534	A	1.2
8	☐			10557.43	0.0007	P	3.8

$$y = 3.3297\text{E-}004 * x + 7.6562\text{E-}006$$

$$R = 0.9998$$

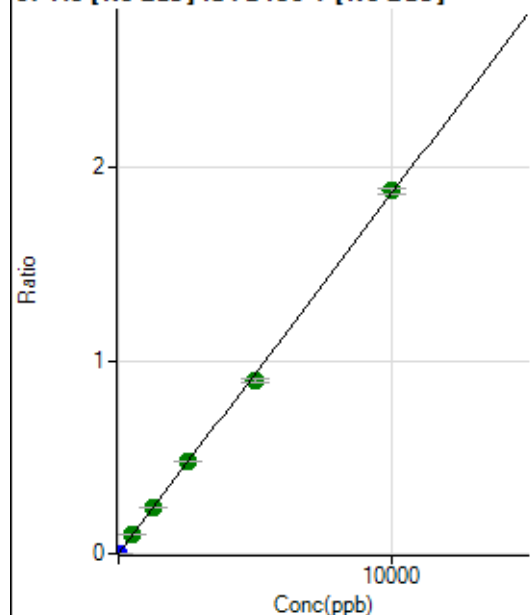
$$DL = 0.00389$$

$$BEC = 0.02299$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	40.00	0.0000	P	36.2
2	☐	5.000	4.602	15373.05	0.0009	P	2.8
3	☐	500.000	511.270	1677367.46	0.0955	A	1.0
4	☐	1250.000	1294.985	4210153.17	0.2419	A	1.0
5	☐	2500.000	2552.330	8456987.03	0.4767	A	0.5
6	☐	5000.000	4812.576	16783113.08	0.8988	A	2.6
7	☐	10000.000	10074.443	33748768.11	1.8815	A	1.4
8	☐			3562.72	0.0002	P	6.5

$$y = 1.8676\text{E-}004 * x + 2.2584\text{E-}006$$

$$R = 0.9997$$

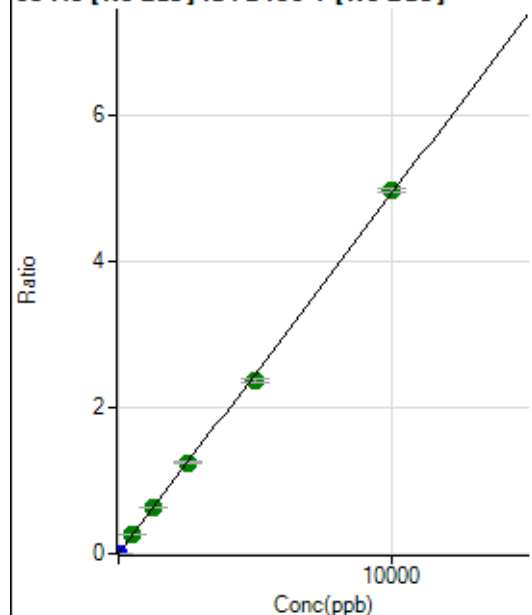
$$DL = 0.01312$$

$$BEC = 0.01209$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	116.67	0.0000	P	24.3
2	☐	5.000	4.610	40545.76	0.0023	P	1.3
3	☐	500.000	512.393	4424776.22	0.2519	A	0.2
4	☐	1250.000	1284.599	10991700.81	0.6315	A	1.4
5	☐	2500.000	2533.314	22093680.64	1.2453	A	1.6
6	☐	5000.000	4808.240	44129922.95	2.3636	A	3.1
7	☐	10000.000	10082.607	88902814.23	4.9564	A	1.2
8	☐			9116.41	0.0006	P	4.8

$$y = 4.9157\text{E-}004 * x + 6.5880\text{E-}006$$

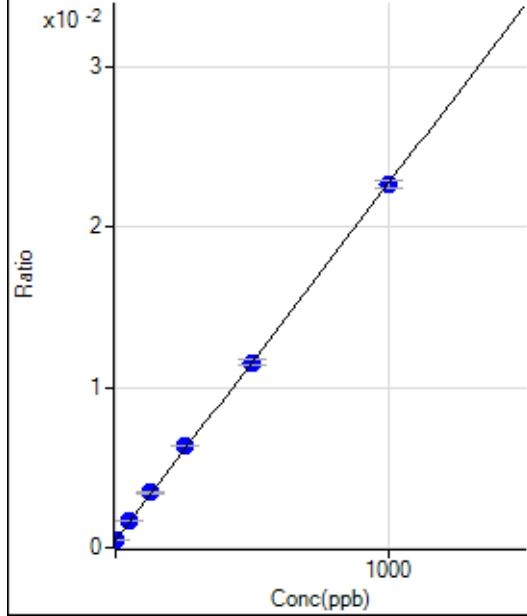
$$R = 0.9997$$

$$DL = 0.009759$$

$$BEC = 0.0134$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	5801.28	0.0005	P	3.0
2	☐	1.000	0.432	5943.57	0.0005	P	3.4
3	☐	50.000	53.951	21051.70	0.0017	P	1.9
4	☐	125.000	134.485	43959.71	0.0035	P	2.6
5	☐	250.000	264.019	82585.16	0.0063	P	1.2
6	☐	500.000	498.858	155747.89	0.0116	P	3.2
7	☐	1000.000	995.683	299832.19	0.0226	P	2.0
8	☐			4872.02	0.0004	P	2.8

$$y = 2.2285\text{E-}005 * x + 4.5615\text{E-}004$$

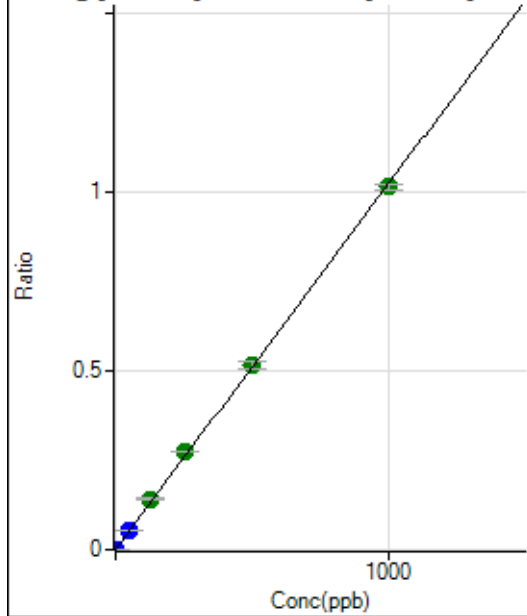
$$R = 0.9999$$

$$DL = 1.848$$

$$BEC = 20.47$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	104.44	0.0000	P	20.4
2	☐	1.000	0.973	12816.03	0.0010	P	1.0
3	☐	50.000	52.707	685594.01	0.0540	P	0.6
4	☐	125.000	137.664	1794777.04	0.1411	A	4.3
5	☐	250.000	268.693	3586275.99	0.2753	A	0.6
6	☐	500.000	504.023	6948689.62	0.5164	A	4.1
7	☐	1000.000	991.597	13452365.49	1.0160	A	1.4
8	☐			1466.76	0.0001	P	1.6

$$y = 0.0010 * x + 8.2105\text{E-}006$$

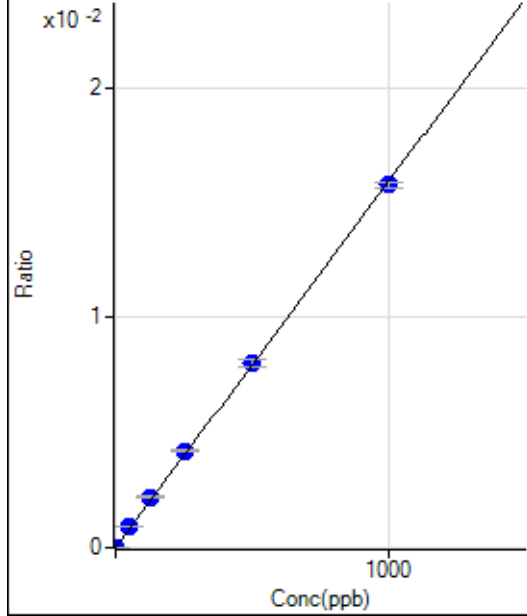
$$R = 0.9997$$

$$DL = 0.004904$$

$$BEC = 0.008014$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	16.67	0.0000	P	34.8
2	☐	1.000	1.082	236.67	0.0000	P	15.4
3	☐	50.000	56.331	11383.66	0.0009	P	2.0
4	☐	125.000	137.945	27928.34	0.0022	P	3.6
5	☐	250.000	264.686	54834.05	0.0042	P	1.6
6	☐	500.000	506.293	108315.82	0.0081	P	4.2
7	☐	1000.000	991.247	208680.91	0.0158	P	1.8
8	☐			114.45	0.0000	P	11.1

$$y = 1.5899\text{E-}005 * x + 1.3111\text{E-}006$$

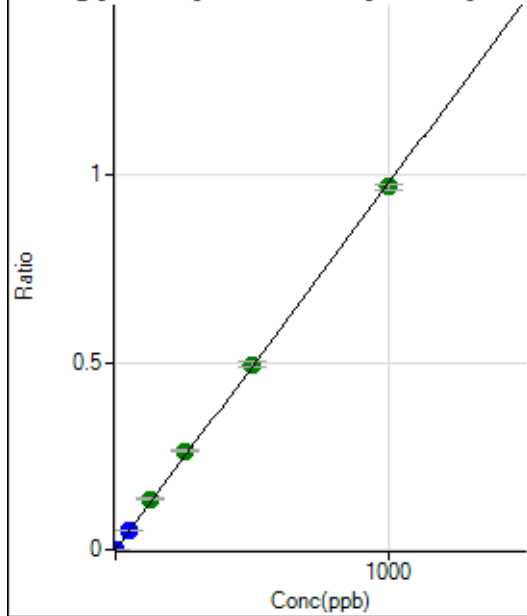
$$R = 0.9998$$

$$DL = 0.08607$$

$$BEC = 0.08246$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	34.44	0.0000	P	24.1
2	☐	1.000	0.963	12055.36	0.0009	P	2.8
3	☐	50.000	53.064	659295.38	0.0519	P	0.3
4	☐	125.000	138.526	1724976.09	0.1356	A	4.8
5	☐	250.000	269.909	3441440.33	0.2642	A	1.7
6	☐	500.000	505.757	6661151.29	0.4950	A	3.6
7	☐	1000.000	990.300	12833764.39	0.9693	A	1.6
8	☐			1320.08	0.0001	P	9.9

$$y = 9.7876\text{E-}004 * x + 2.7073\text{E-}006$$

$$R = 0.9997$$

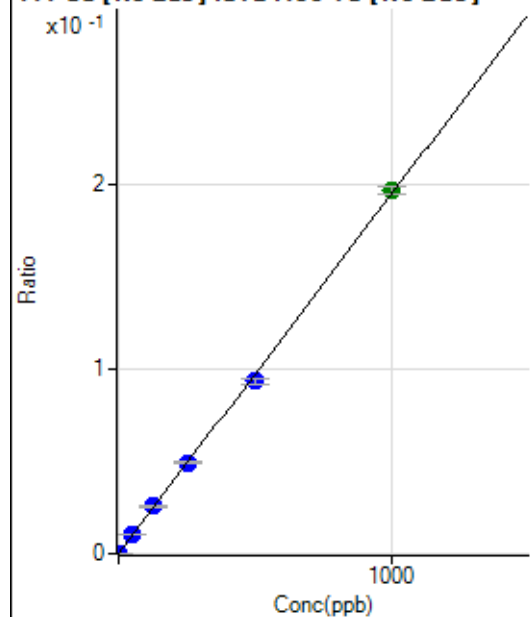
$$DL = 0.002003$$

$$BEC = 0.002766$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1165.26	0.0001	P	2.8
2	☐	1.000	1.016	3694.44	0.0003	P	5.1
3	☐	50.000	52.640	131331.85	0.0103	P	0.3
4	☐	125.000	131.266	326697.71	0.0257	P	2.5
5	☐	250.000	252.511	641974.04	0.0493	P	1.9
6	☐	500.000	479.397	1258101.37	0.0935	P	2.9
7	☐	1000.000	1008.759	2603177.76	0.1966	A	2.2
8	☐			1456.53	0.0001	P	1.2

$$y = 1.9481\text{E-}004 * x + 9.1622\text{E-}005$$

$$R = 0.9997$$

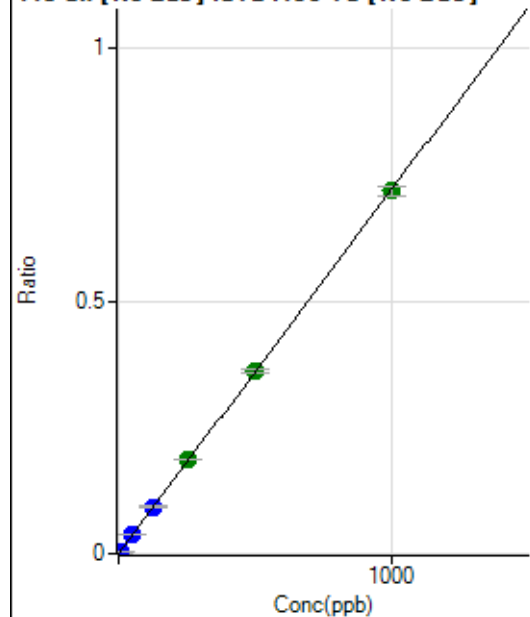
$$DL = 0.03971$$

$$BEC = 0.4703$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1005.18	0.0001	P	2.7
2	☐	5.000	4.577	43059.68	0.0034	P	2.0
3	☐	50.000	51.476	471696.50	0.0372	P	0.7
4	☐	125.000	127.648	1171339.41	0.0920	P	3.3
5	☐	250.000	259.615	2437405.38	0.1871	A	0.9
6	☐	500.000	501.067	4859657.07	0.3610	A	2.4
7	☐	1000.000	996.660	9506919.65	0.7181	A	2.6
8	☐			2132.60	0.0002	P	6.5

$$y = 7.2039\text{E-}004 * x + 7.9036\text{E-}005$$

$$R = 0.9999$$

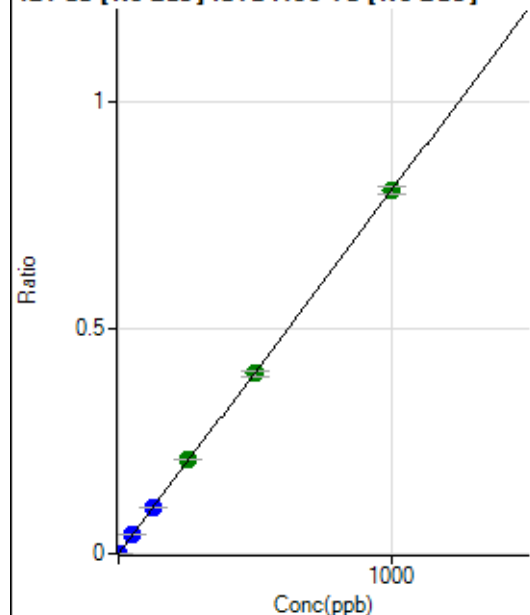
$$DL = 0.008846$$

$$BEC = 0.1097$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	61.11	0.0000	P	35.6
2	☐	2.000	1.890	19438.37	0.0015	P	2.5
3	☐	50.000	50.693	517295.53	0.0408	P	0.5
4	☐	125.000	126.400	1293400.96	0.1016	P	2.7
5	☐	250.000	257.972	2701533.10	0.2074	A	0.3
6	☐	500.000	497.474	5381564.23	0.3999	A	3.1
7	☐	1000.000	999.061	10633263.17	0.8031	A	2.1
8	☐			2908.12	0.0003	P	5.8

$$y = 8.0385E-004 * x + 4.8069E-006$$

$$R = 1.0000$$

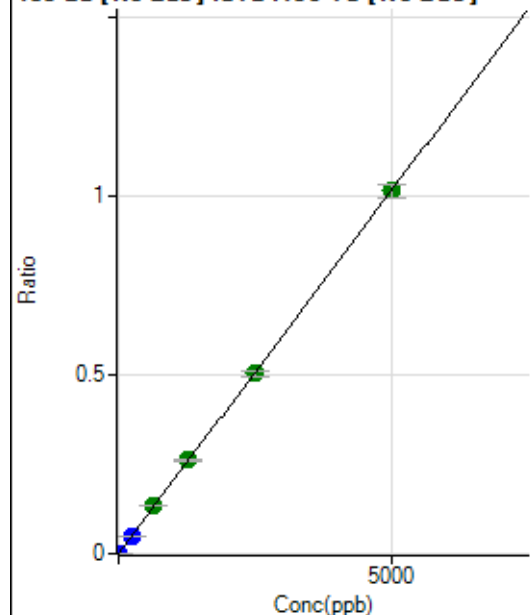
$$DL = 0.006392$$

$$BEC = 0.00598$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	102.22	0.0000	P	6.6
2	☐	10.000	9.588	24935.21	0.0020	P	1.6
3	☐	250.000	249.582	643406.44	0.0507	P	0.9
4	☐	625.000	660.638	1707525.82	0.1342	A	3.3
5	☐	1250.000	1288.930	3410010.30	0.2618	A	1.3
6	☐	2500.000	2478.753	6773153.58	0.5034	A	3.7
7	☐	5000.000	4996.458	13433027.02	1.0147	A	3.5
8	☐			4866.49	0.0004	P	2.1

$$y = 2.0307E-004 * x + 8.0367E-006$$

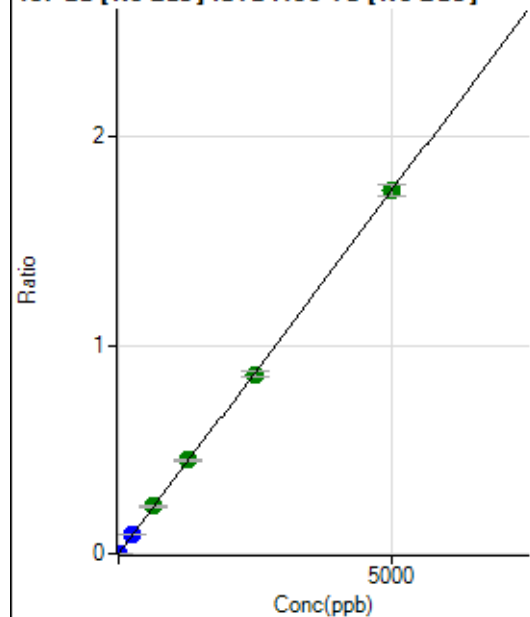
$$R = 0.9999$$

$$DL = 0.007811$$

$$BEC = 0.03958$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	190.00	0.0000	P	6.8
2	☐	10.000	9.784	43662.41	0.0034	P	1.6
3	☐	250.000	255.438	1129611.05	0.0890	P	1.0
4	☐	625.000	659.448	2923260.55	0.2297	A	4.1
5	☐	1250.000	1286.742	5839125.95	0.4482	A	0.6
6	☐	2500.000	2475.464	11604566.36	0.8623	A	3.1
7	☐	5000.000	4998.505	23052590.77	1.7412	A	3.0
8	☐			8462.73	0.0007	P	1.9

$$y = 3.4835E-004 * x + 1.4938E-005$$

$$R = 0.9999$$

$$DL = 0.008794$$

$$BEC = 0.04288$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

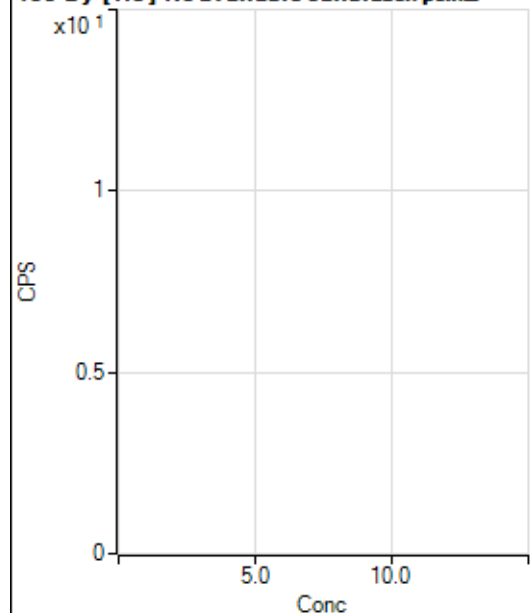
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			1.11		P	173.2
2	☐			11.11		P	69.3
3	☐			71.11		P	30.1
4	☐			156.67		P	5.6
5	☐			311.12		P	12.9
6	☐			646.69		P	3.6
7	☐			1263.41		P	1.7
8	☐			216.67		P	22.7

150 Nd [He] No available calibration points

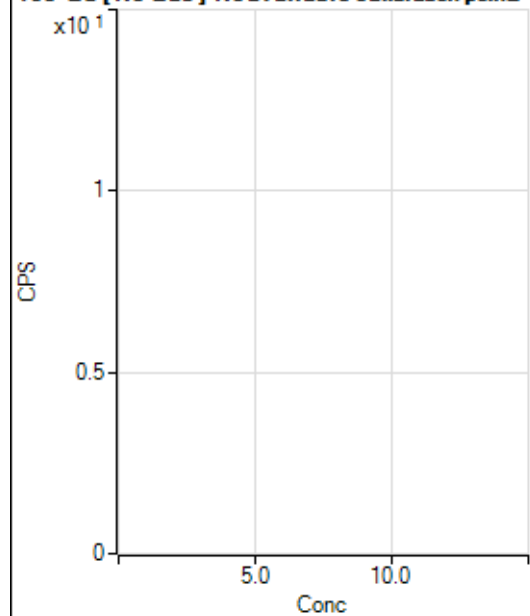
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			2.22		P	173.2
2	☐			1.11		P	173.2
3	☐			6.67		P	100.0
4	☐			10.00		P	33.3
5	☐			16.66		P	34.6
6	☐			18.89		P	56.7
7	☐			37.78		P	18.4
8	☐			42.22		P	16.4

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			55.56		P	55.7
2	☐			53.33		P	16.5
3	☐			54.44		P	14.1
4	☐			93.33		P	7.1
5	☐			114.45		P	7.3
6	☐			187.78		P	1.0
7	☐			333.34		P	14.0
8	☐			467.79		P	6.8

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			4.44		P	43.4
2	☐			5.56		P	91.6
3	☐			4.44		P	43.4
4	☐			3.33		P	173.2
5	☐			16.67		P	34.6
6	☐			17.78		P	28.6
7	☐			47.78		P	24.5
8	☐			117.78		P	26.3

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			35.56		P	92.0
2	☐			53.33		P	27.2
3	☐			32.22		P	21.5
4	☐			45.55		P	29.6
5	☐			73.33		P	12.0
6	☐			96.67		P	24.1
7	☐			151.11		P	10.9
8	☐			421.12		P	13.2

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			3.33		P	100.1
2	☐			12.22		P	56.8
3	☐			14.44		P	35.3
4	☐			16.66		P	91.7
5	☐			23.33		P	51.5
6	☐			31.11		P	16.4
7	☐			46.66		P	53.9
8	☐			155.56		P	5.4

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			60.00		P	5.5
2	☐			81.11		P	21.1
3	☐			68.89		P	40.3
4	☐			63.33		P	13.9
5	☐			95.56		P	27.1
6	☐			137.78		P	17.2
7	☐			174.45		P	9.4
8	☐			473.35		P	3.9

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			15.55		P	44.6
2	☐			14.44		P	13.4
3	☐			15.56		P	32.7
4	☐			24.45		P	28.4
5	☐			28.89		P	13.3
6	☐			24.44		P	20.8
7	☐			67.78		P	36.9
8	☐			137.78		P	18.3

172 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			64.45		P	16.6
2	☐			52.22		P	22.4
3	☐			80.00		P	21.7
4	☐			73.33		P	32.8
5	☐			110.00		P	16.0
6	☐			141.11		P	24.6
7	☐			214.45		P	13.9
8	☐			504.46		P	1.9

172 Yb [He] No available calibration points

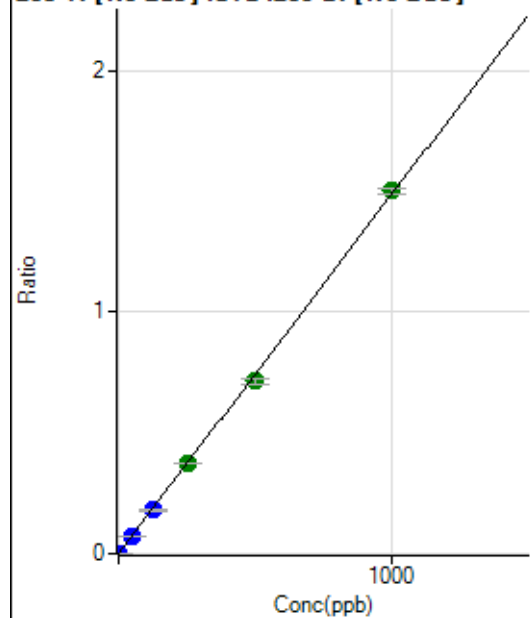
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			22.22		P	22.9
2	☐			22.22		P	17.3
3	☐			28.89		P	29.0
4	☐			22.22		P	56.8
5	☐			35.56		P	39.0
6	☐			54.45		P	19.7
7	☐			53.33		P	31.2
8	☐			208.89		P	8.8

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			1655.68		P	1.4
2	☐			1624.56		P	1.2
3	☐			3996.20		P	1.5
4	☐			7812.38		P	0.6
5	☐			14212.19		P	0.6
6	☐			26409.79		P	1.9
7	☐			50983.44		P	0.6
8	☐			1697.91		P	6.2

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			260.01		P	16.4
2	☐			290.01		P	14.4
3	☐			1031.16		P	8.1
4	☐			2261.33		P	2.1
5	☐			4267.40		P	2.4
6	☐			8209.30		P	3.3
7	☐			16224.51		P	0.8
8	☐			314.45		P	22.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	133.34	0.0000	P	19.9
2	☐	1.000	0.863	10579.94	0.0013	P	2.2
3	☐	50.000	47.784	569510.06	0.0711	P	1.2
4	☐	125.000	121.841	1417015.22	0.1812	P	2.5
5	☐	250.000	250.916	2969899.78	0.3731	A	1.1
6	☐	500.000	479.849	5752275.89	0.7134	A	2.8
7	☐	1000.000	1010.352	11505926.49	1.5021	A	1.8
8	☐			756.70	0.0001	P	6.4

$$y = 0.0015 * x + 1.6409E-005$$

$$R = 0.9997$$

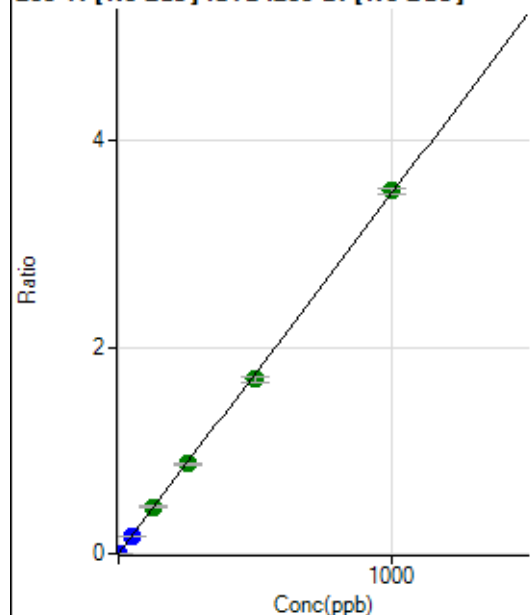
$$DL = 0.006576$$

$$BEC = 0.01104$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	335.56	0.0000	P	4.6
2	☐	1.000	0.897	25795.68	0.0032	P	3.3
3	☐	50.000	48.263	1349432.07	0.1684	P	1.0
4	☐	125.000	129.157	3523013.63	0.4505	A	3.5
5	☐	250.000	250.275	6949192.40	0.8729	A	2.2
6	☐	500.000	483.985	13609669.52	1.6881	A	2.9
7	☐	1000.000	1007.506	26916286.82	3.5140	A	1.4
8	☐			1909.05	0.0003	P	10.7

$$y = 0.0035 * x + 4.1300E-005$$

$$R = 0.9998$$

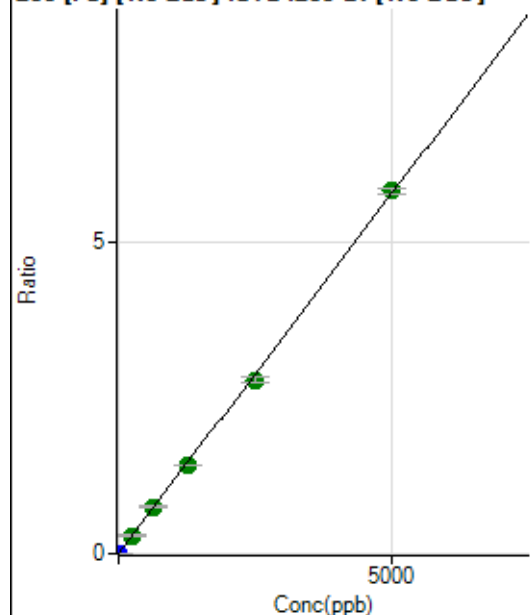
$$DL = 0.001629$$

$$BEC = 0.01184$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	831.15	0.0001	P	3.2
2	☐	1.000	0.897	9254.49	0.0011	P	2.6
3	☐	250.000	253.549	2343083.20	0.2923	A	1.2
4	☐	625.000	645.442	5818254.64	0.7440	A	3.7
5	☐	1250.000	1237.881	11359904.00	1.4269	A	0.6
6	☐	2500.000	2415.299	22446225.78	2.7840	A	2.8
7	☐	5000.000	5042.647	44519587.11	5.8123	A	1.9
8	☐			7047.54	0.0011	P	3.2

$$y = 0.0012 * x + 1.0225E-004$$

$$R = 0.9998$$

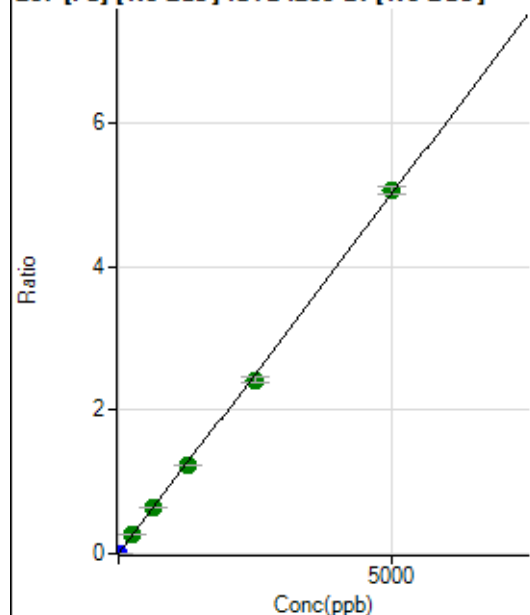
$$DL = 0.008423$$

$$BEC = 0.08871$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	793.37	0.0001	P	5.3
2	☐	1.000	0.902	8163.77	0.0010	P	1.7
3	☐	250.000	257.221	2068960.92	0.2581	A	0.8
4	☐	625.000	642.720	5044474.51	0.6449	A	2.6
5	☐	1250.000	1236.778	9878663.60	1.2408	A	0.7
6	☐	2500.000	2412.496	19511970.82	2.4203	A	3.4
7	☐	5000.000	5044.481	38762582.48	5.0608	A	2.1
8	☐			6092.62	0.0010	P	2.0

$$y = 0.0010 * x + 9.7615E-005$$

$$R = 0.9998$$

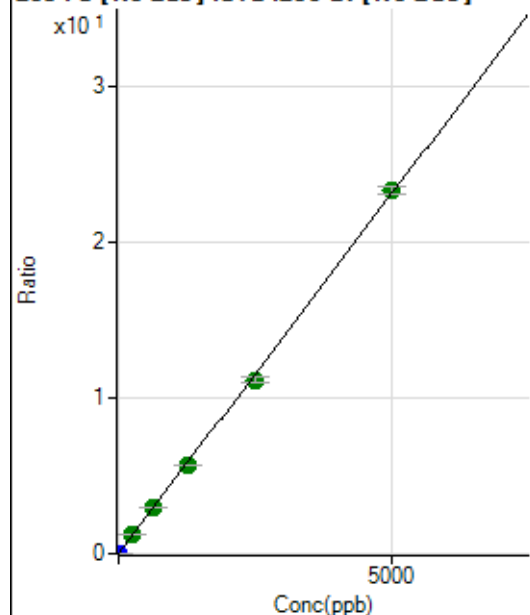
$$DL = 0.0156$$

$$BEC = 0.0973$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3540.23	0.0004	P	1.4
2	☐	1.000	0.902	37474.96	0.0046	P	2.4
3	☐	250.000	254.543	9426295.54	1.1761	A	0.5
4	☐	625.000	638.493	23067121.88	2.9495	A	3.2
5	☐	1250.000	1238.360	45538566.95	5.7202	A	0.7
6	☐	2500.000	2416.223	89973360.88	11.1605	A	3.3
7	☐	5000.000	5042.884	178406805.9	23.2925	A	2.2
8	☐			27847.48	0.0044	P	2.4

$$y = 0.0046 * x + 4.3561E-004$$

$$R = 0.9998$$

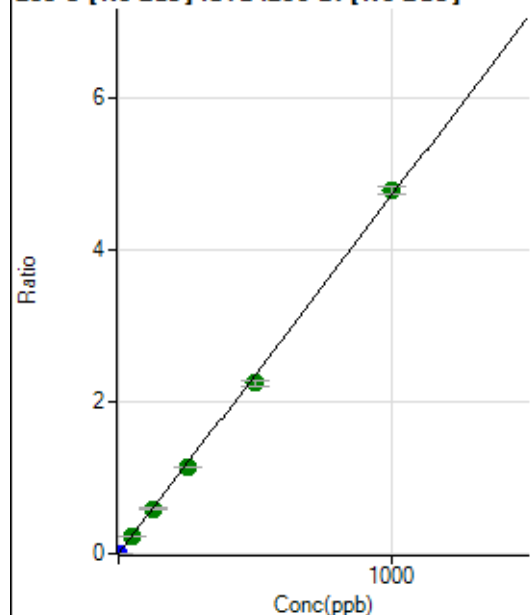
$$DL = 0.003932$$

$$BEC = 0.09431$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	53.33	0.0000	P	16.9
2	☐	1.000	0.872	33473.98	0.0041	P	2.6
3	☐	50.000	48.972	1848173.57	0.2306	A	1.0
4	☐	125.000	125.008	4603270.70	0.5886	A	3.4
5	☐	250.000	242.983	9108356.74	1.1441	A	0.8
6	☐	500.000	476.616	18090156.95	2.2442	A	4.0
7	☐	1000.000	1013.497	36553055.29	4.7722	A	2.0
8	☐			1335.64	0.0002	P	15.9

$$y = 0.0047 * x + 6.5648E-006$$

$$R = 0.9996$$

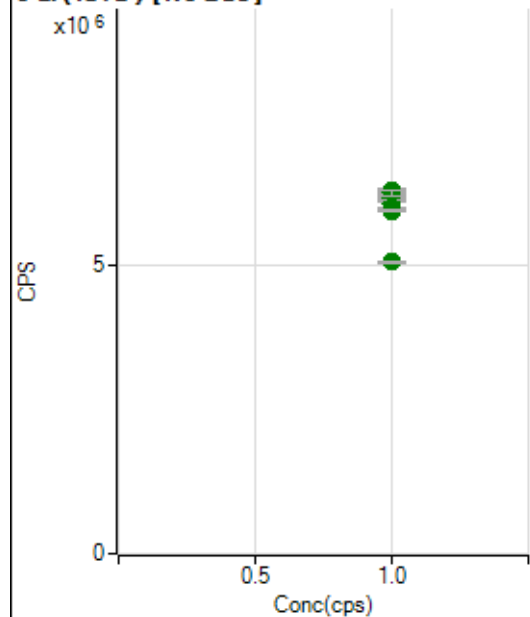
$$DL = 0.0007055$$

$$BEC = 0.001394$$

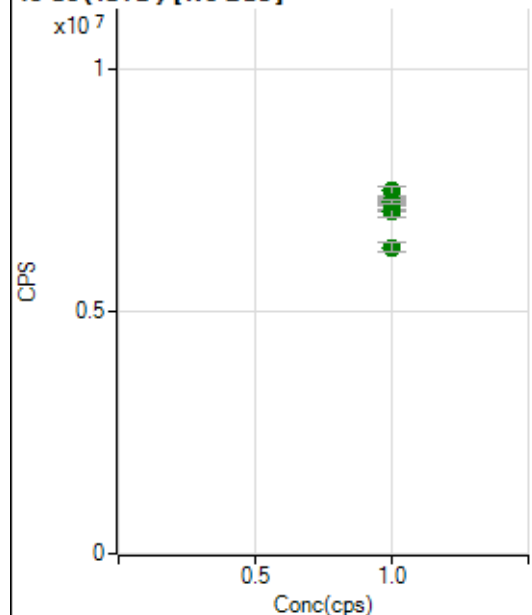
Weight: <None>

Min Conc: 0

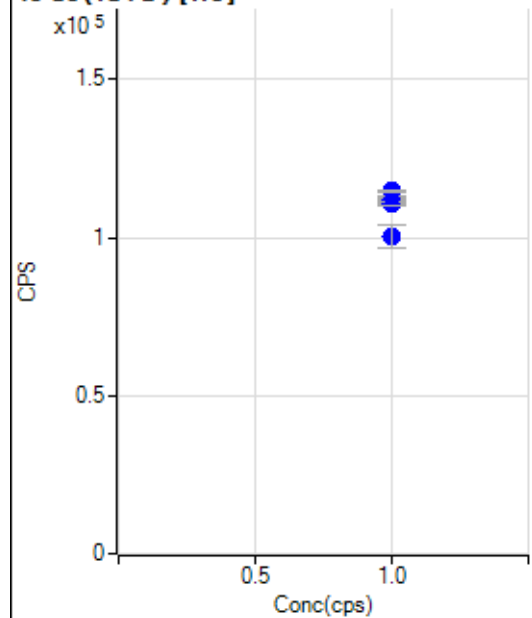
6 Li (ISTD) [No Gas]



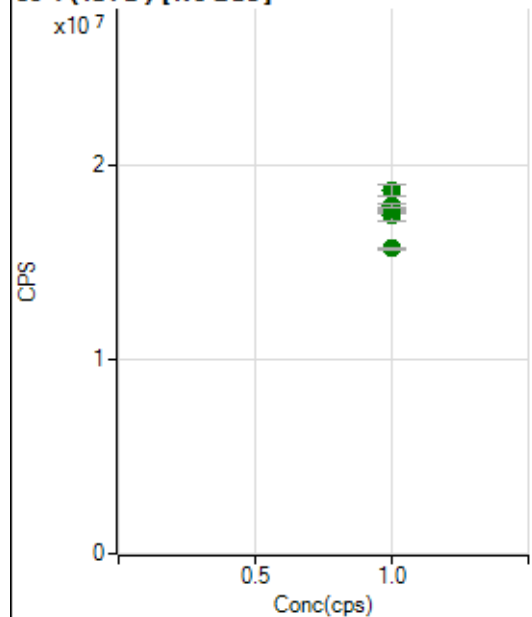
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		6244624.48		A	0.3
2	☐	1.000		6294607.56		A	1.1
3	☐	1.000		6170334.76		A	0.3
4	☐	1.000		6056954.40		A	2.0
5	☐	1.000		6166641.32		A	1.0
6	☐	1.000		6260337.21		A	1.8
7	☐	1.000		5948136.91		A	0.5
8	☐	1.000		5058319.70		A	1.1

45 Sc (ISTD) [No Gas]

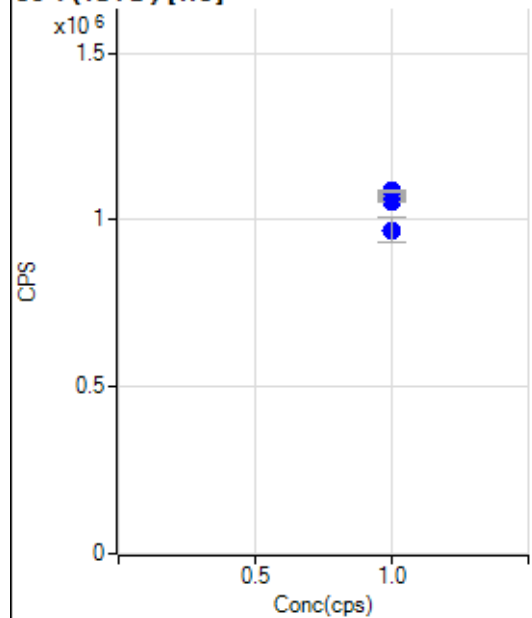
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		7255356.00		A	0.4
2	☐	1.000		7237401.07		A	1.0
3	☐	1.000		7084431.98		A	0.6
4	☐	1.000		7067669.96		A	3.6
5	☐	1.000		7334436.91		A	0.6
6	☐	1.000		7485202.53		A	2.4
7	☐	1.000		7257793.50		A	0.7
8	☐	1.000		6321785.81		A	3.0

45 Sc (ISTD) [He]

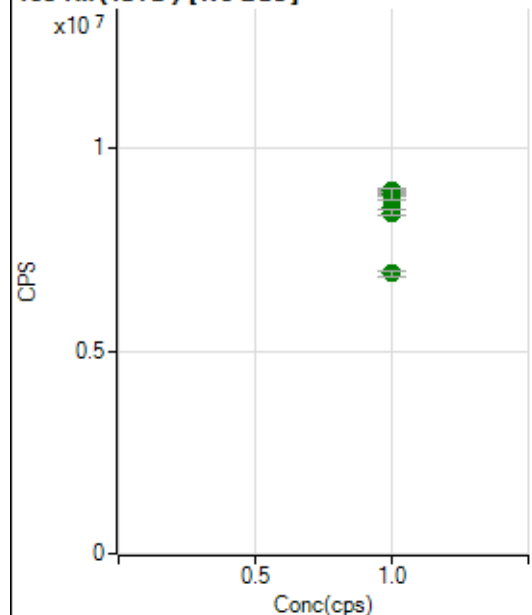
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		112225.97		P	0.3
2	☐	1.000		111706.26		P	1.4
3	☐	1.000		110514.15		P	1.0
4	☐	1.000		112903.40		P	0.8
5	☐	1.000		114499.26		P	0.3
6	☐	1.000		113016.29		P	0.4
7	☐	1.000		114718.81		P	0.3
8	☐	1.000		100456.11		P	7.4

89 Y (ISTD) [No Gas]

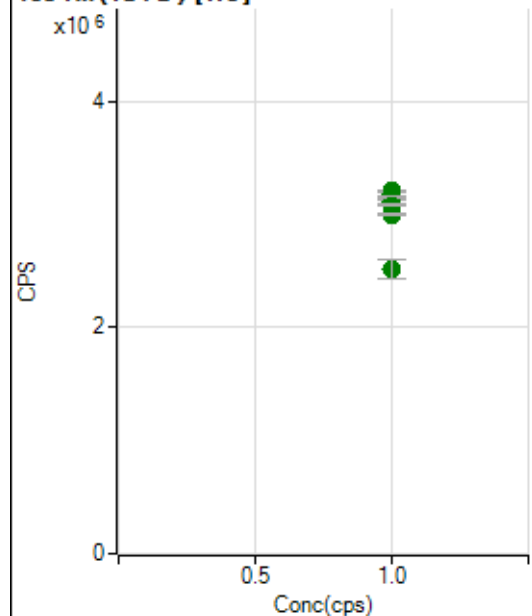
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		17705333.63		A	0.2
2	☐	1.000		17843439.04		A	1.9
3	☐	1.000		17566641.26		A	0.4
4	☐	1.000		17410345.16		A	2.7
5	☐	1.000		17741395.99		A	0.1
6	☐	1.000		18681085.55		A	3.1
7	☐	1.000		17938497.23		A	1.0
8	☐	1.000		15699839.21		A	0.8

89 Y (ISTD) [He]

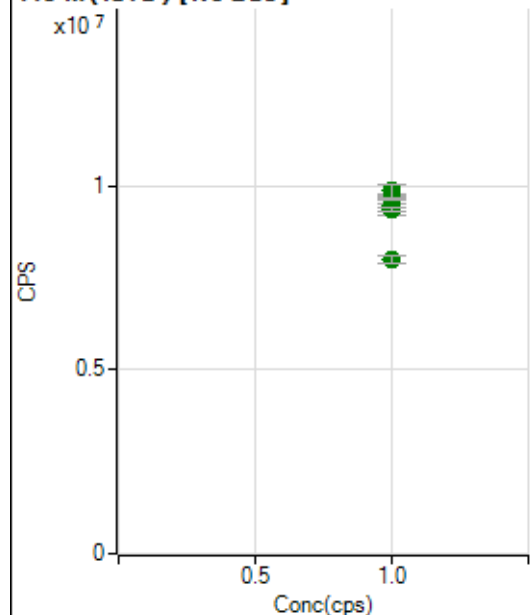
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1065352.33		P	1.2
2	☐	1.000		1068485.83		P	0.1
3	☐	1.000		1055589.09		P	0.2
4	☐	1.000		1073963.89		P	1.1
5	☐	1.000		1085175.95		P	0.4
6	☐	1.000		1075759.05		P	0.5
7	☐	1.000		1086683.74		P	0.4
8	☐	1.000		970488.22		P	7.6

103 Rh (ISTD) [No Gas]

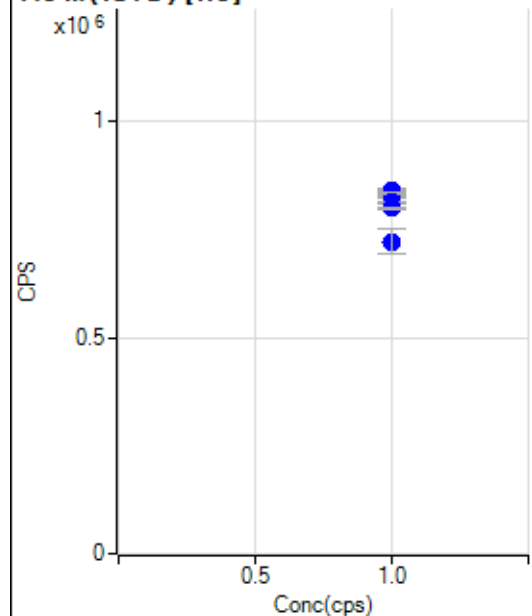
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8937029.87		A	0.6
2	☐	1.000		8943842.37		A	1.4
3	☐	1.000		8731933.69		A	0.1
4	☐	1.000		8535932.72		A	4.5
5	☐	1.000		8809004.11		A	0.2
6	☐	1.000		8868434.59		A	2.9
7	☐	1.000		8400636.75		A	1.7
8	☐	1.000		6908018.99		A	2.3

103 Rh (ISTD) [He]

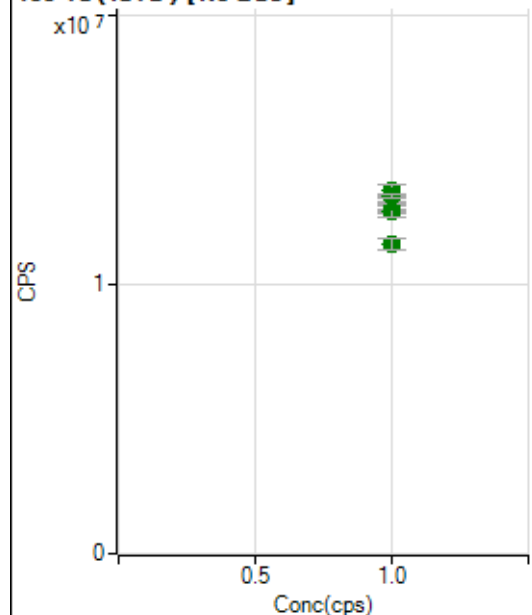
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3207365.65		A	0.5
2	☐	1.000		3197628.25		A	0.5
3	☐	1.000		3104910.09		A	1.1
4	☐	1.000		3175551.41		A	1.6
5	☐	1.000		3156788.36		A	0.6
6	☐	1.000		3079665.23		A	0.7
7	☐	1.000		2999788.22		A	1.0
8	☐	1.000		2511996.75		A	6.7

115 In (ISTD) [No Gas]

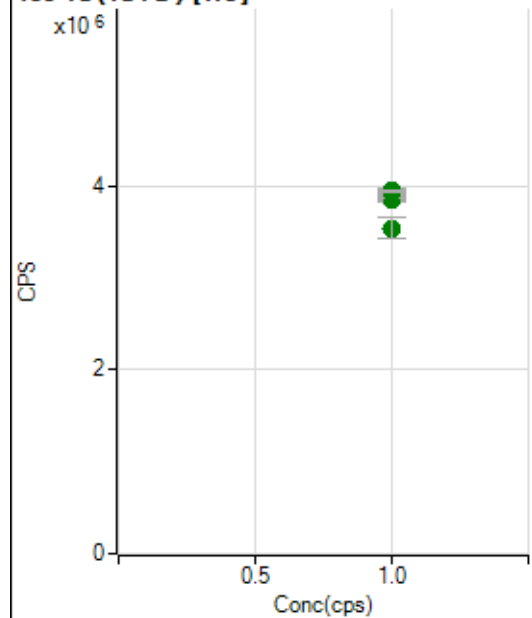
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		9786833.64		A	0.4
2	☐	1.000		9671980.56		A	1.1
3	☐	1.000		9452000.44		A	1.0
4	☐	1.000		9372814.97		A	3.3
5	☐	1.000		9609266.85		A	0.2
6	☐	1.000		9868698.04		A	3.6
7	☐	1.000		9370876.12		A	1.2
8	☐	1.000		7998147.72		A	3.0

115 In (ISTD) [He]

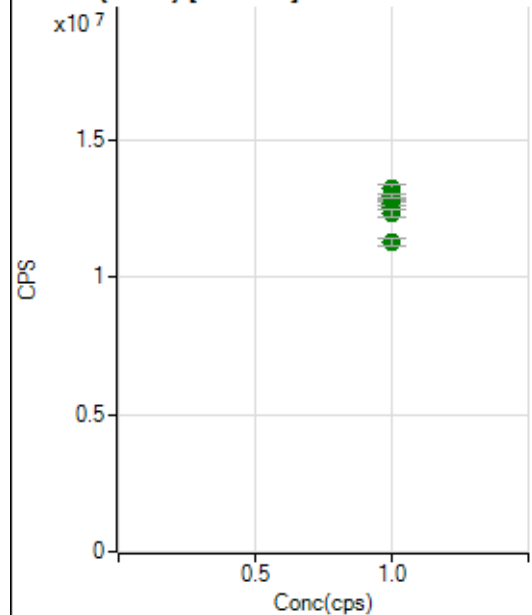
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		839594.31		P	0.9
2	☐	1.000		836258.45		P	0.7
3	☐	1.000		825405.75		P	0.2
4	☐	1.000		837168.82		P	1.5
5	☐	1.000		834604.11		P	0.2
6	☐	1.000		812998.17		P	0.4
7	☐	1.000		798833.74		P	0.3
8	☐	1.000		722811.22		P	7.7

159 Tb (ISTD) [No Gas]

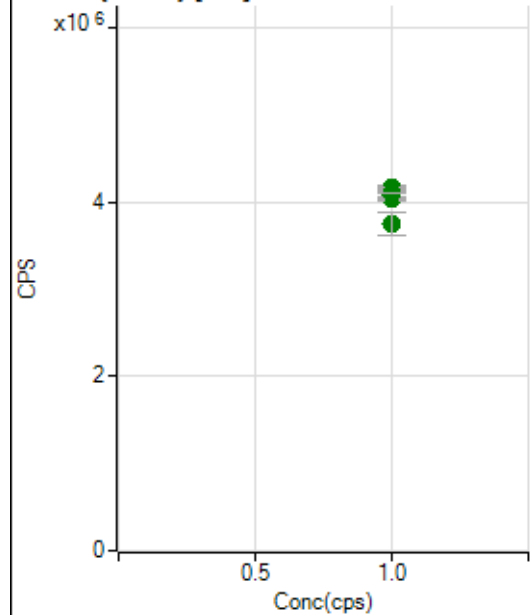
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		12718402.31		A	0.2
2	☐	1.000		12757054.53		A	2.3
3	☐	1.000		12693288.70		A	1.0
4	☐	1.000		12737266.06		A	3.6
5	☐	1.000		13027029.11		A	0.9
6	☐	1.000		13465943.55		A	3.2
7	☐	1.000		13242116.19		A	1.1
8	☐	1.000		11497531.36		A	3.3

159 Tb (ISTD) [He]

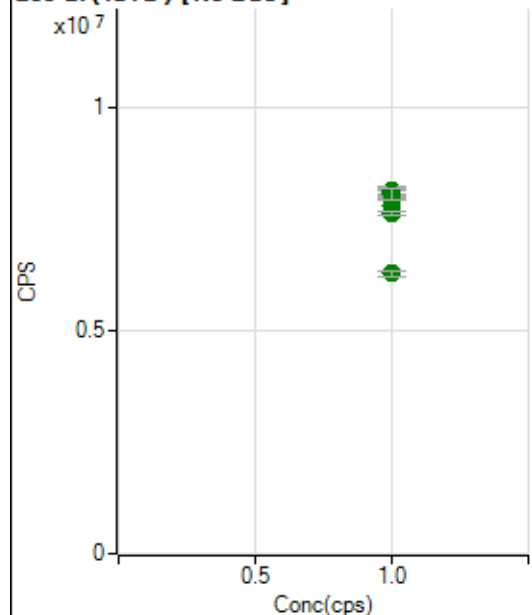
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3851955.36		A	0.7
2	☐	1.000		3876238.07		A	1.1
3	☐	1.000		3880264.94		A	0.9
4	☐	1.000		3942553.42		A	1.7
5	☐	1.000		3948982.89		A	0.1
6	☐	1.000		3944578.94		A	0.7
7	☐	1.000		3944597.23		A	0.3
8	☐	1.000		3541863.56		A	6.5

165 Ho (ISTD) [No Gas]

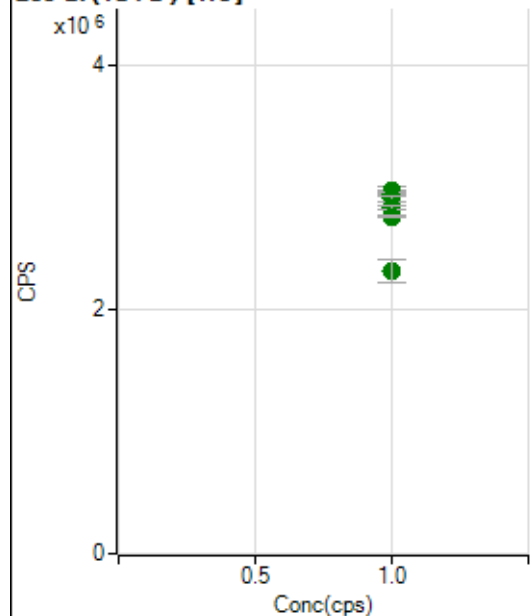
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		12526869.95		A	1.4
2	☐	1.000		12666458.42		A	1.0
3	☐	1.000		12516431.90		A	1.2
4	☐	1.000		12327291.90		A	2.5
5	☐	1.000		12821835.64		A	0.2
6	☐	1.000		13196387.30		A	2.7
7	☐	1.000		12923724.39		A	1.0
8	☐	1.000		11273096.92		A	2.4

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4057670.60		A	1.7
2	☐	1.000		4028774.84		A	0.5
3	☐	1.000		4030529.63		A	1.2
4	☐	1.000		4085070.11		A	2.4
5	☐	1.000		4161813.44		A	0.9
6	☐	1.000		4157386.50		A	1.0
7	☐	1.000		4103283.17		A	0.3
8	☐	1.000		3756694.25		A	7.0

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8127092.03		A	0.9
2	☐	1.000		8144688.63		A	2.4
3	☐	1.000		8014756.13		A	0.1
4	☐	1.000		7826476.34		A	3.5
5	☐	1.000		7961347.24		A	0.9
6	☐	1.000		8067077.10		A	3.0
7	☐	1.000		7660633.85		A	1.1
8	☐	1.000		6293788.10		A	2.2

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		2968699.19		A	2.0
2	☐	1.000		2968278.71		A	0.4
3	☐	1.000		2937272.70		A	0.2
4	☐	1.000		2937279.30		A	1.2
5	☐	1.000		2905268.05		A	1.3
6	☐	1.000		2830279.26		A	1.1
7	☐	1.000		2759489.09		A	0.5
8	☐	1.000		2314287.52		A	7.7

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8012325MS.b
Acq. Date-Time 2025-01-23 11:52:20
Report Comment ---
Instrument Name G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		34003	340027.60			0.864	5.000
24		658938	6589383.78			0.697	5.000
25		90093	900934.20			0.909	5.000
26		105384	1053835.68			0.830	5.000
59		142321	1423214.88			1.579	5.000
113		16207	162066.85			1.368	5.000
115		214759	2147589.12			0.990	5.000
206		50860	508598.96			0.966	5.000
207		43691	436913.66			1.108	5.000
208		109339	1093394.84			1.409	5.000
220		0	1.70			39.460	

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

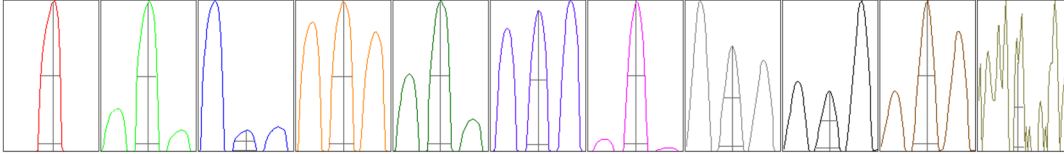
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	34010	33773	34504	33903	33824
24	655707	660841	665686	658474	653985
25	89569	89276	91396	90258	89969
26	106380	104574	106282	104933	104748
59	143111	139434	145322	140913	142827
113	16085	15924	16516	16284	16224
115	213825	212639	218298	214717	214315
206	50632	50385	51680	50735	50866
207	43311	43214	44426	43847	43658
208	107788	108630	111750	109881	108649

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	60203.07	9.10	8.90 - 9.10	
24	1128312.97	24.00	23.90 - 24.10	
25	154423.44	25.05	24.90 - 25.10	
26	178598.21	26.05	25.90 - 26.10	
59	250728.41	59.00	58.90 - 59.10	
113	32368.00	113.05	112.90 - 113.10	
115	425575.73	115.05	114.90 - 115.10	
206	101959.79	206.00	205.90 - 206.10	
207	88103.45	207.00	206.90 - 207.10	
208	220052.37	208.00	207.90 - 208.10	
220	0.35	219.80	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.738	0.900	
24	0.62	0.740	0.900	
25	0.62	0.739	0.900	
26	0.62	0.779	0.900	
59	0.60	0.738	0.900	
113	0.53	0.685	0.900	
115	0.53	0.727	0.900	
206	0.52	0.776	0.900	
207	0.51	0.771	0.900	
208	0.51	0.800	0.900	
220	0.30	0.345		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.78 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

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

Lens Parameters

Extract 1	-6.0 V	Omega Lens	8.1 V	Deflect	15.4 V
Extract 2	-130.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-55 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	170 V		

QP Parameters

Mass Gain	103	Axis Gain	0.9959	QP Bias	-4.0 V
Mass Offset	126	Axis Offset	0.07		

Hardware Settings

Torch

Torch H	-0.2 mm	Torch V	1.5 mm
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EM

Discriminator	4.0 mV	Analog HV	2176 V	Pulse HV	1058 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		23007	230065.84			0.363	
89		16657	166565.89			0.618	
205		26661	266608.51			0.444	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	23106	22988	23065	22986	22888
89	16730	16531	16785	16589	16648
205	26663	26485	26811	26705	26640

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.78 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	8.1 V	Deflect	3.0 V
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US EPA Tune Check Report

Extract 2	-130.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-55 V	Cell Exit	-70 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	170 V		
QP Parameters					
Mass Gain	103	Axis Gain	0.9959	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.07		
Hardware Settings					
Torch					
Torch H	-0.2 mm	Torch V	1.5 mm		
EM					
Discriminator	4.0 mV	Analog HV	2176 V	Pulse HV	1058 V