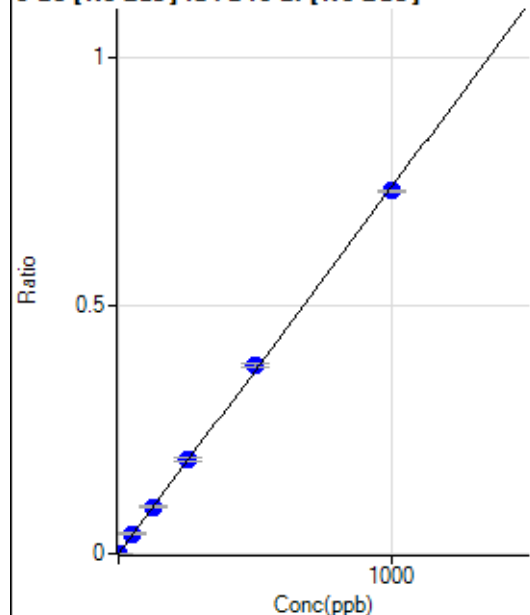


Calibration for 006CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7042723 MS.b\
 Analysis File: P7042723 MS.batch.bin
 DA Date-Time: 2023-04-27 16:04:38
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2023-04-27 09:46:57
2	005CALS.d	S01	2023-04-27 09:50:12
3	006CALS.d	S02	2023-04-27 09:53:30
4	007CALS.d	S03	2023-04-27 09:56:46
5	008CALS.d	S04	2023-04-27 09:59:56
6	009CALS.d	S05	2023-04-27 10:02:54
7	010CALS.d	S06	2023-04-27 10:05:49
8	011CALS.d	S07	2023-04-27 10:08:36
9	012CALS.d	S08	2023-04-27 10:11:25

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32.22	0.0000	P	26.2
2	☐	0.100	0.094	106.67	0.0001	P	1.3
3	☐	1.000	1.074	872.26	0.0008	P	3.9
4	☐	50.000	54.848	42616.04	0.0406	P	4.9
5	☐	125.000	127.946	103921.21	0.0947	P	1.3
6	☐	250.000	258.935	201167.23	0.1916	P	4.3
7	☐	500.000	514.093	388573.75	0.3804	P	2.4
8	☐	1000.000	990.109	743081.26	0.7327	P	0.7
9	☐			484.46	0.0005	P	27.2

$$y = 7.3994\text{E-}004 * x + 3.0291\text{E-}005$$

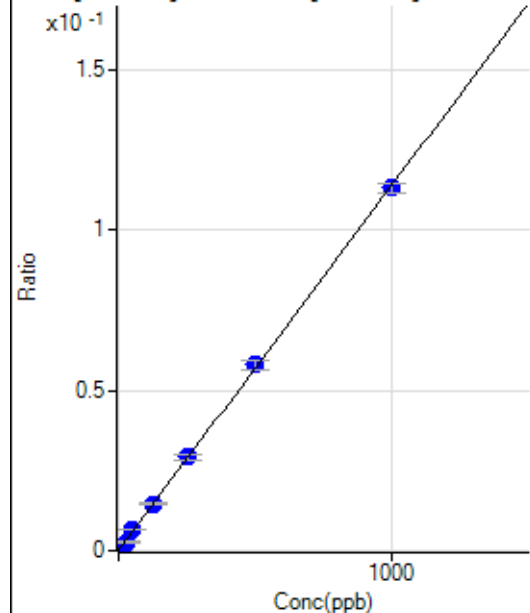
$$R = 0.9998$$

$$DL = 0.03217$$

$$BEC = 0.04094$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	108.89	0.0001	P	21.6
2	☐	2.500	2.773	447.79	0.0004	P	5.1
3	☐	25.000	22.764	2850.29	0.0027	P	1.5
4	☐	50.000	55.320	6722.63	0.0064	P	1.8
5	☐	125.000	126.018	15852.65	0.0144	P	4.5
6	☐	250.000	255.686	30648.01	0.0292	P	6.4
7	☐	500.000	508.647	59230.24	0.0580	P	5.1
8	☐	1000.000	993.917	114866.76	0.1133	P	2.6
9	☐			3057.00	0.0032	P	9.8

$$y = 1.1384\text{E-}004 * x + 1.0204\text{E-}004$$

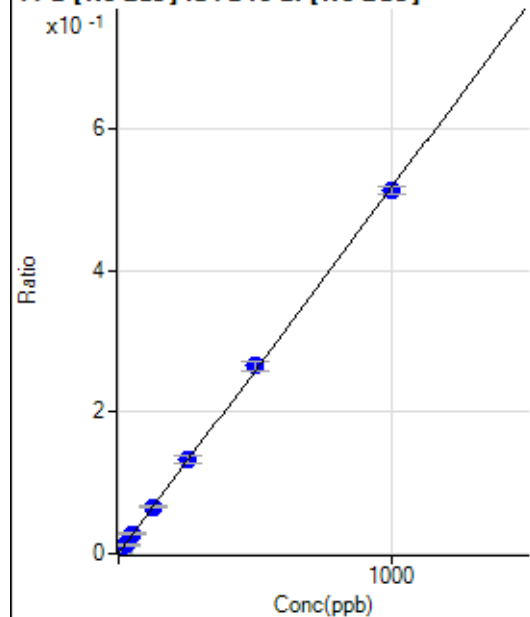
$$R = 0.9999$$

$$DL = 0.5798$$

$$BEC = 0.8963$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	498.90	0.0005	P	4.6
2	☐	2.500	2.166	1700.11	0.0016	P	8.4
3	☐	25.000	23.224	13183.48	0.0125	P	4.0
4	☐	50.000	53.679	29592.70	0.0282	P	2.8
5	☐	125.000	127.802	72893.54	0.0664	P	4.0
6	☐	250.000	258.581	140480.99	0.1339	P	7.8
7	☐	500.000	512.934	270838.95	0.2652	P	4.7
8	☐	1000.000	990.899	519257.44	0.5119	P	2.2
9	☐			13910.83	0.0145	P	9.2

$$y = 5.1614\text{E-}004 * x + 4.6888\text{E-}004$$

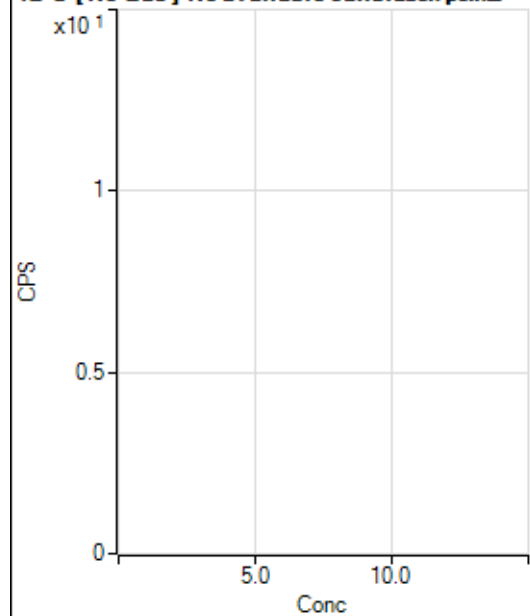
$$R = 0.9998$$

$$DL = 0.1254$$

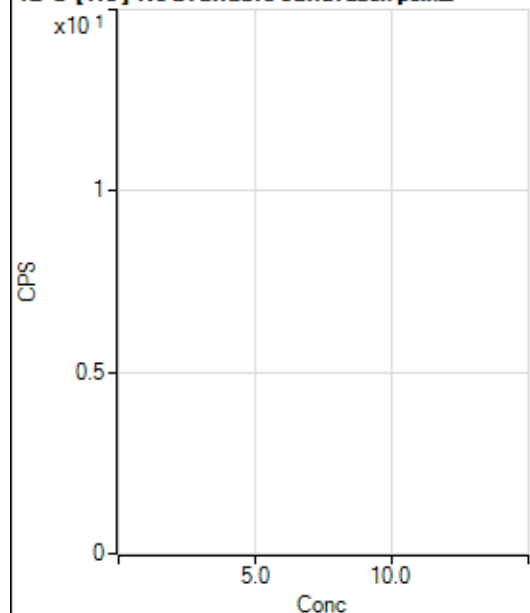
$$BEC = 0.9084$$

Weight: <None>

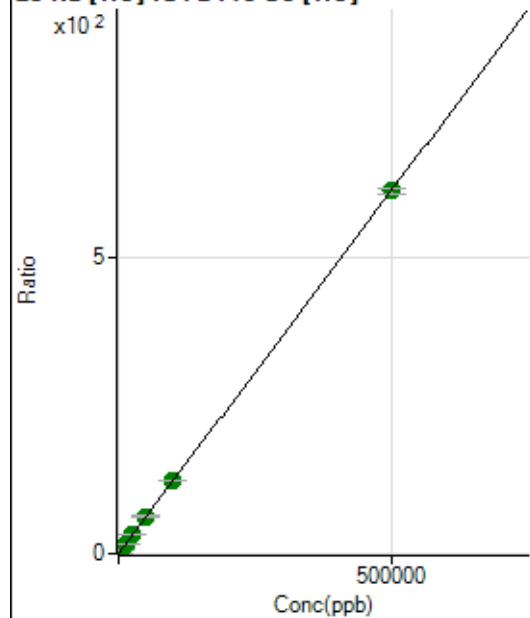
Min Conc: 0

12 C [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	5598.85	0.0184	P	0.9
2	☐	50.000	49.135	23865.24	0.0786	P	1.1
3	☐	500.000	497.371	192254.30	0.6272	P	0.7
4	☐	5000.000	5198.643	1918915.42	6.3814	A	1.3
5	☐	12500.000	12727.433	4522396.74	15.5964	A	0.6
6	☐	25000.000	25728.607	8907036.19	31.5094	A	1.0
7	☐	50000.000	51451.232	17547312.10	62.9930	A	1.1
8	☐	100000.00	101039.74	34121661.99	123.6876	A	0.8
9	☐	500000.00	499602.82	147831360.0	611.5150	A	1.4

$$y = 0.0012 * x + 0.0184$$

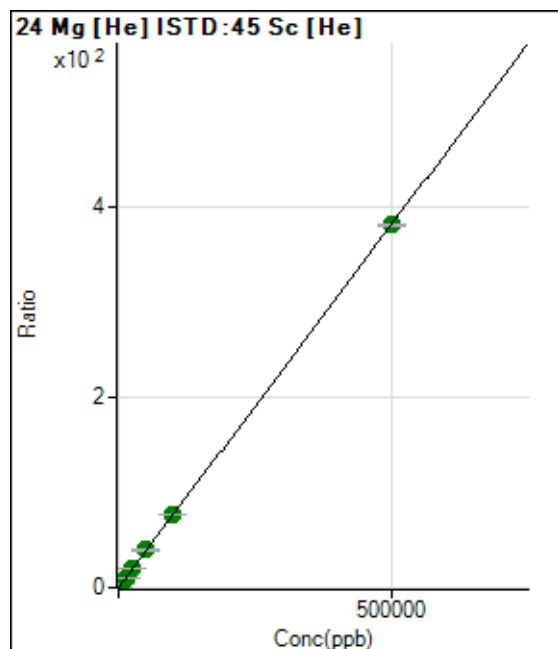
$$R = 1.0000$$

$$DL = 0.4197$$

$$BEC = 15.06$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	328.90	0.0011	P	12.5
2	☐	50.000	49.069	11671.17	0.0384	P	1.3
3	☐	500.000	495.565	115941.37	0.3782	P	1.1
4	☐	5000.000	5248.427	1201476.47	3.9955	A	2.2
5	☐	12500.000	12838.320	2833407.22	9.7719	A	0.7
6	☐	25000.000	25866.850	5565291.31	19.6875	A	1.0
7	☐	50000.000	51768.969	10975524.14	39.4008	A	1.1
8	☐	100000.00	100689.52	21139686.91	76.6326	A	1.3
9	☐	500000.00	499630.91	91928555.30	380.2541	A	0.5

$$y = 7.6107\text{E-}004 * x + 0.0011$$

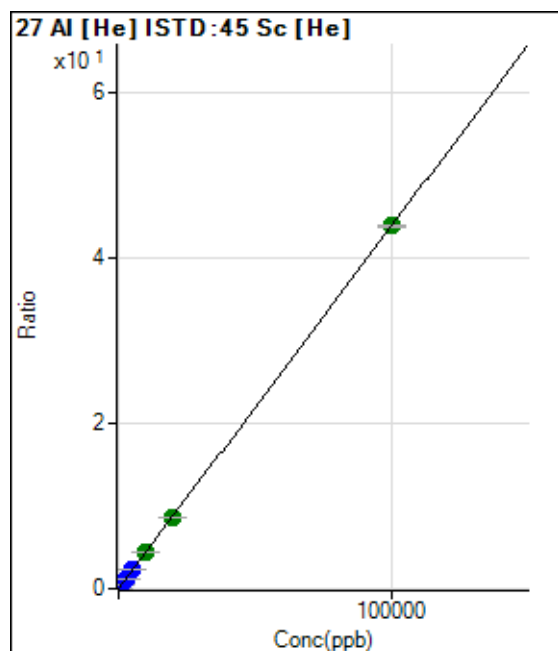
$$R = 1.0000$$

$$DL = 0.533$$

$$BEC = 1.422$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	57.78	0.0002	P	19.8
2	☐	2.000	1.850	304.45	0.0010	P	8.9
3	☐	20.000	19.503	2683.59	0.0088	P	1.6
4	☐	1000.000	1050.655	138798.29	0.4616	P	0.4
5	☐	2500.000	2576.338	328096.72	1.1315	P	0.5
6	☐	5000.000	5189.735	644267.02	2.2792	P	0.9
7	☐	10000.000	10053.312	1229786.53	4.4149	A	1.5
8	☐	20000.000	19815.809	2400871.51	8.7019	A	0.3
9	☐	100000.00	100019.60	10618921.30	43.9219	A	0.4

$$y = 4.3913\text{E-}004 * x + 1.9007\text{E-}004$$

$$R = 1.0000$$

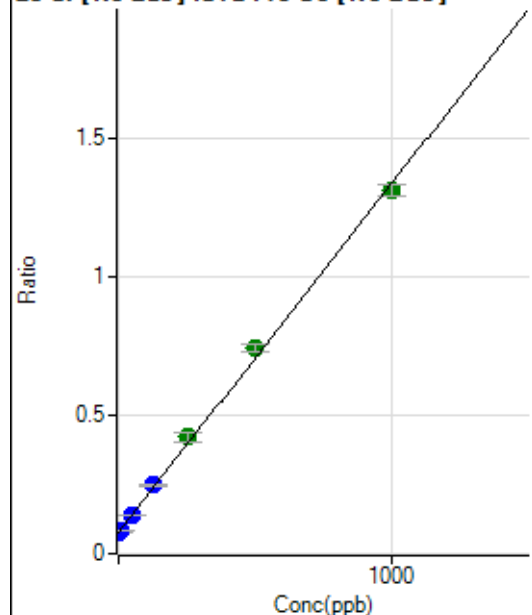
$$DL = 0.2565$$

$$BEC = 0.4328$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	240799.01	0.0773	P	0.4
2	☐	1.000	-0.764	241459.98	0.0763	P	1.7
3	☐	10.000	6.731	269437.32	0.0858	P	0.8
4	☐	50.000	49.713	426470.31	0.1398	P	1.6
5	☐	125.000	135.505	744432.72	0.2475	P	2.8
6	☐	250.000	272.443	1246426.84	0.4196	A	8.2
7	☐	500.000	527.589	2178311.01	0.7401	A	3.5
8	☐	1000.000	979.330	3751313.66	1.3077	A	3.3
9	☐			389803.63	0.1483	P	2.7

$$y = 0.0013 * x + 0.0773$$

$$R = 0.9991$$

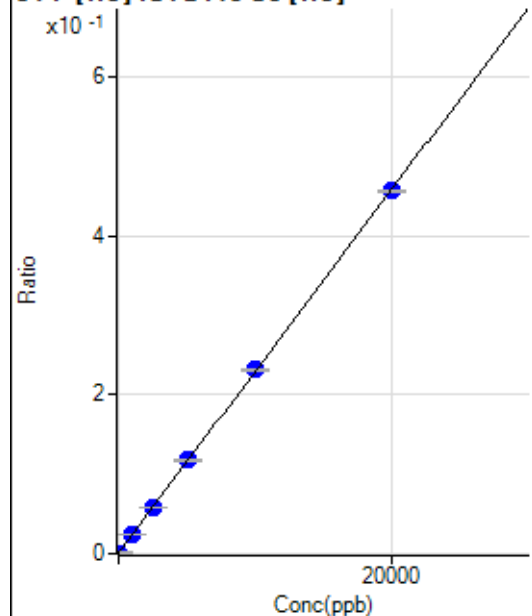
$$DL = 0.7617$$

$$BEC = 61.53$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-8.846	203.33	0.0007	P	9.7
2	☐	0.000	-4.364	234.45	0.0008	P	7.9
3	☐	0.000	13.210	360.01	0.0012	P	14.1
4	☐	1000.000	1007.681	7197.31	0.0239	P	1.2
5	☐	2500.000	2500.196	16846.01	0.0581	P	2.0
6	☐	5000.000	5096.453	33219.39	0.1175	P	1.8
7	☐	10000.000	10085.614	64546.32	0.2317	P	1.5
8	☐	20000.000	19932.672	126104.09	0.4571	P	0.4
9	☐			224.45	0.0009	P	11.3

$$y = 2.2888E-005 * x + 8.7159E-004$$

$$R = 1.0000$$

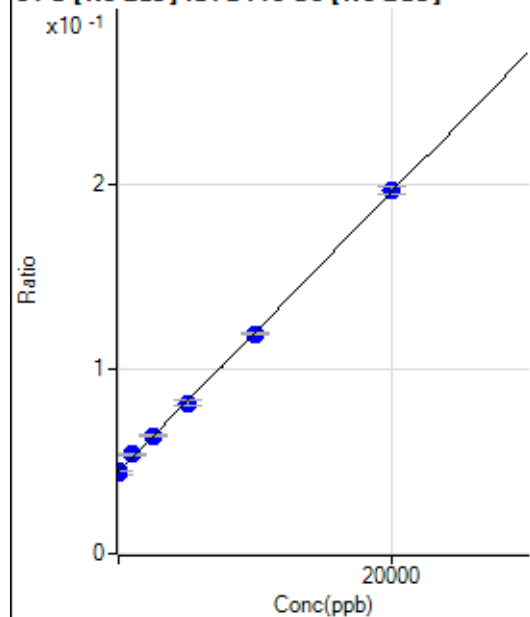
$$DL = 12.72$$

$$BEC = 38.08$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	23.180	139009.76	0.0446	P	0.7
2	☐	0.000	-88.378	138437.93	0.0438	P	3.3
3	☐	0.000	65.198	141209.36	0.0449	P	0.4
4	☐	1000.000	1217.407	163711.81	0.0537	P	3.6
5	☐	2500.000	2569.973	192280.28	0.0639	P	1.0
6	☐	5000.000	4903.302	242834.12	0.0816	P	3.0
7	☐	10000.000	9868.466	351107.22	0.1193	P	0.9
8	☐	20000.000	20070.324	564212.66	0.1966	P	2.1
9	☐			117847.60	0.0448	P	2.4

$$y = 7.5830E-006 * x + 0.0444$$

R = 0.9999

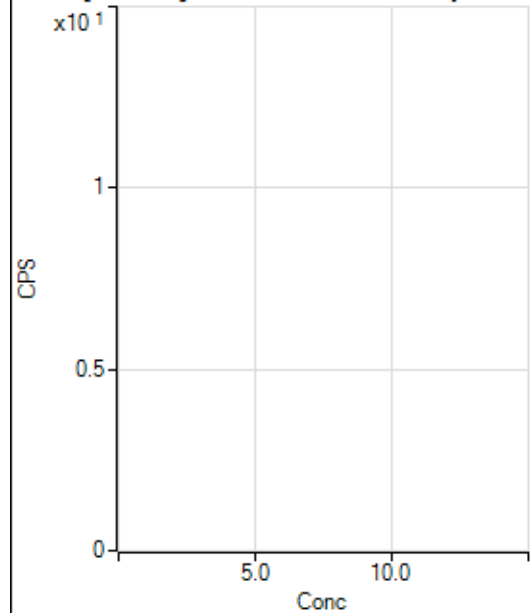
DL = 253

BEC = 5862

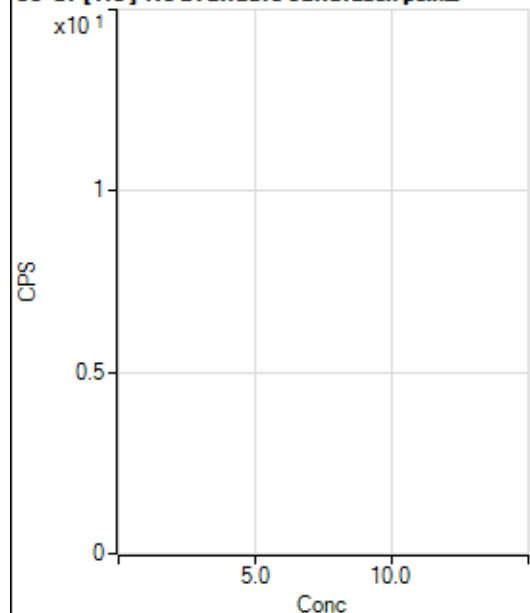
Weight: <None>

Min Conc: 0

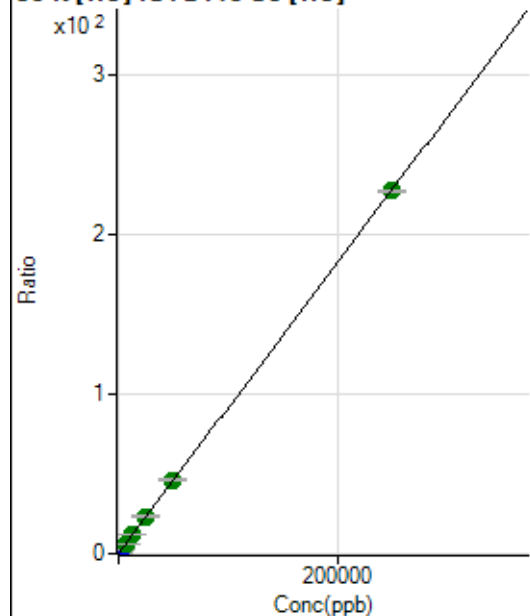
35 Cl [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						
9	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	46010.39	0.1515	P	0.4
2	☐	50.000	48.371	59340.46	0.1954	P	1.3
3	☐	500.000	505.657	187151.82	0.6106	P	0.7
4	☐	2500.000	2756.863	798202.80	2.6544	P	0.7
5	☐	6250.000	6414.305	1732531.21	5.9751	A	1.2
6	☐	12500.000	12784.615	3323973.56	11.7587	A	1.5
7	☐	25000.000	25588.285	6513629.63	23.3832	A	1.0
8	☐	50000.000	50741.101	12750597.73	46.2197	A	0.9
9	☐	250000.00	249772.03	54860301.96	226.9212	A	0.8

$$y = 9.0791\text{E-}004 * x + 0.1515$$

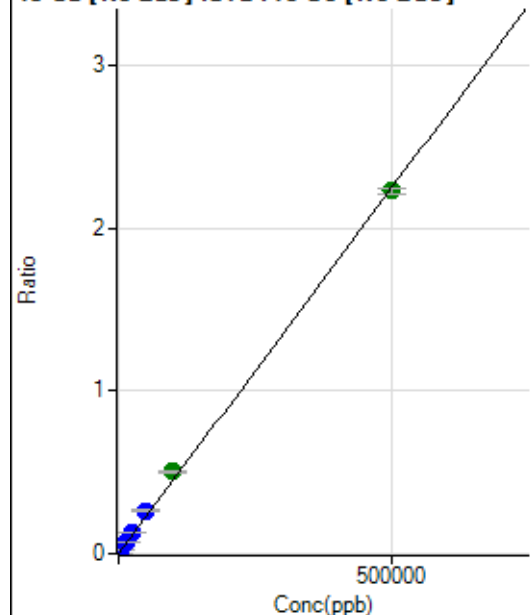
$$R = 1.0000$$

$$DL = 2.126$$

$$BEC = 166.8$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	93.33	0.0000	P	9.9
2	☐	50.000	50.615	814.48	0.0003	P	5.7
3	☐	500.000	520.012	7429.65	0.0024	P	1.7
4	☐	5000.000	6172.109	84623.04	0.0277	P	2.1
5	☐	12500.000	14953.083	201969.29	0.0672	P	0.7
6	☐	25000.000	29546.587	394562.74	0.1327	P	4.1
7	☐	50000.000	58980.135	779476.73	0.2648	P	1.1
8	☐	100000.00	112378.90	1447376.57	0.5045	A	3.3
9	☐	500000.00	496325.80	5858541.10	2.2282	A	1.9

$$y = 4.4894\text{E-}006 * x + 2.9970\text{E-}005$$

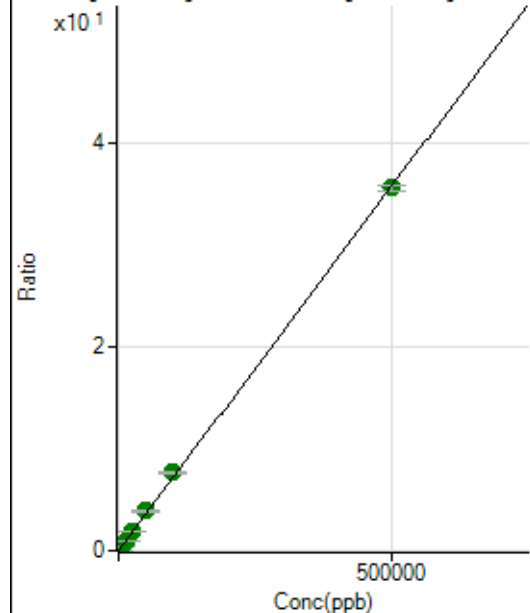
$$R = 0.9996$$

$$DL = 1.986$$

$$BEC = 6.676$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4763.04	0.0015	P	4.6
2	☐	50.000	52.194	16628.10	0.0053	P	1.4
3	☐	500.000	524.959	122577.05	0.0390	P	0.9
4	☐	5000.000	5598.370	1224222.66	0.4013	A	2.0
5	☐	12500.000	13674.486	2940660.06	0.9779	A	2.2
6	☐	25000.000	26745.034	5682176.10	1.9112	A	5.2
7	☐	50000.000	54349.662	11427263.44	3.8823	A	2.0
8	☐	100000.00	107697.37	22069320.23	7.6915	A	1.9
9	☐	500000.00	497902.93	93464823.05	35.5533	A	1.8

$$y = 7.1403\text{E-}005 * x + 0.0015$$

$$R = 0.9999$$

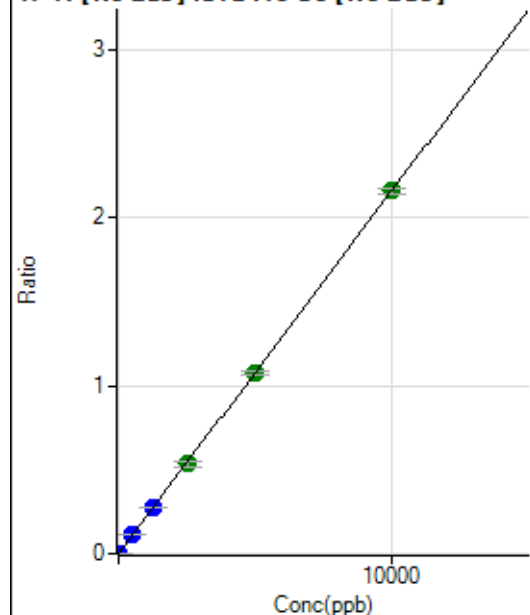
$$DL = 2.965$$

$$BEC = 21.42$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.11	0.0000	P	20.7
2	☐	0.500	0.411	342.23	0.0001	P	8.0
3	☐	5.000	4.936	3410.42	0.0011	P	2.1
4	☐	500.000	520.045	342622.34	0.1123	P	2.2
5	☐	1250.000	1272.419	826335.92	0.2748	P	0.6
6	☐	2500.000	2478.620	1591087.84	0.5352	A	5.6
7	☐	5000.000	4988.194	3170434.71	1.0771	A	2.4
8	☐	10000.000	10007.444	6200625.05	2.1610	A	1.8
9	☐			1839.03	0.0007	P	31.5

$$y = 2.1594\text{E-}004 * x + 1.9620\text{E-}005$$

$$R = 1.0000$$

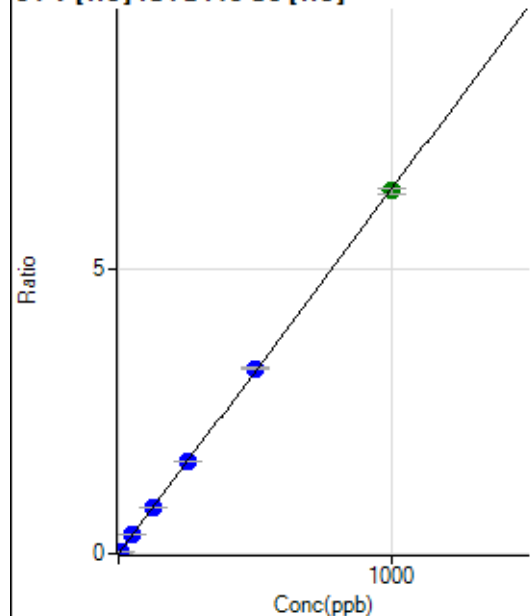
$$DL = 0.05654$$

$$BEC = 0.09086$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6.66	0.0000	P	86.6
2	☐	0.500	0.485	948.93	0.0031	P	7.6
3	☐	5.000	4.772	9367.42	0.0306	P	0.9
4	☐	50.000	50.465	97117.31	0.3230	P	1.0
5	☐	125.000	125.153	232237.32	0.8009	P	1.1
6	☐	250.000	252.107	456064.55	1.6134	P	0.8
7	☐	500.000	508.284	906093.05	3.2528	P	1.0
8	☐	1000.000	995.290	1756900.13	6.3694	A	1.9
9	☐			641.13	0.0026	P	9.0

$$y = 0.0064 * x + 2.1927\text{E-}005$$

$$R = 0.9999$$

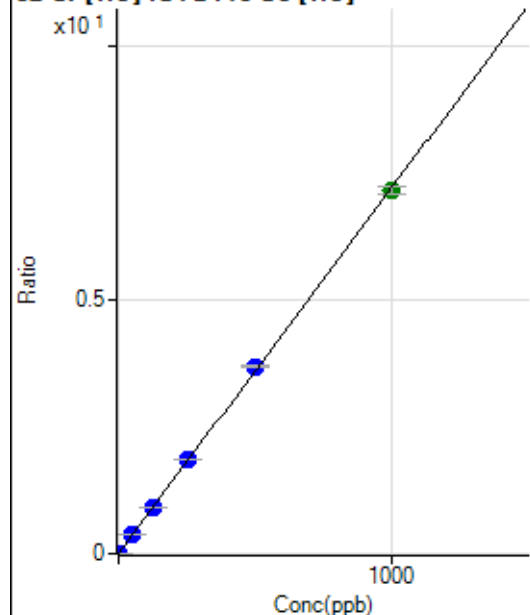
$$DL = 0.0089$$

$$BEC = 0.003426$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	893.37	0.0029	P	4.5
2	☐	0.200	0.193	1313.40	0.0043	P	4.2
3	☐	2.000	1.950	5198.72	0.0170	P	3.0
4	☐	50.000	51.474	112146.06	0.3729	P	0.4
5	☐	125.000	127.085	265722.87	0.9164	P	0.6
6	☐	250.000	256.156	521311.49	1.8442	P	0.5
7	☐	500.000	511.507	1024997.83	3.6796	P	1.2
8	☐	1000.000	992.373	1968373.62	7.1361	A	2.2
9	☐			13799.74	0.0571	P	1.4

$$y = 0.0072 * x + 0.0029$$

$$R = 0.9999$$

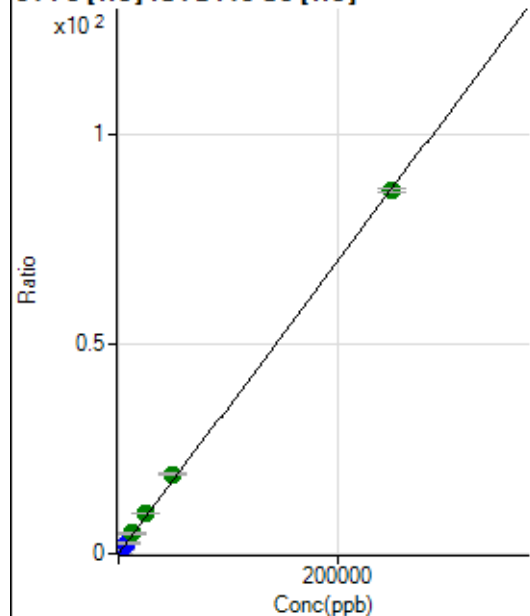
$$DL = 0.05557$$

$$BEC = 0.4091$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1501.20	0.0049	P	2.9
2	☐	5.000	5.409	2072.38	0.0068	P	5.1
3	☐	50.000	53.822	7249.58	0.0237	P	3.0
4	☐	2500.000	2939.692	308773.89	1.0268	P	0.8
5	☐	6250.000	7231.665	730343.60	2.5188	P	1.1
6	☐	12500.000	13834.370	1360843.85	4.8140	A	0.3
7	☐	25000.000	27827.484	2696139.09	9.6783	A	1.2
8	☐	50000.000	54308.245	5209062.91	18.8836	A	1.6
9	☐	250000.00	248759.94	20905881.77	86.4789	A	0.9

$$y = 3.4762E-004 * x + 0.0049$$

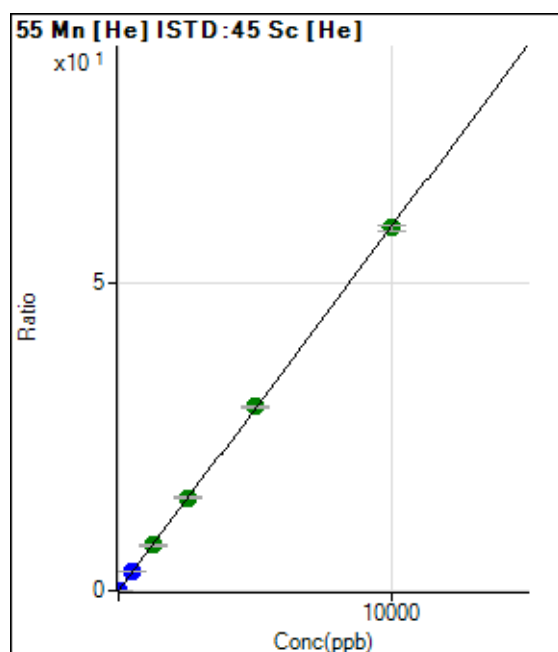
$$R = 0.9998$$

$$DL = 1.229$$

$$BEC = 14.22$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	167.78	0.0006	P	18.9
2	☐	0.100	0.081	313.34	0.0010	P	10.6
3	☐	1.000	0.942	1881.25	0.0061	P	3.5
4	☐	500.000	519.864	926846.71	3.0822	P	0.4
5	☐	1250.000	1254.126	2155658.89	7.4348	A	2.2
6	☐	2500.000	2541.162	4258212.75	15.0641	A	2.0
7	☐	5000.000	5048.044	8335721.34	29.9244	A	1.8
8	☐	10000.000	9964.178	16293612.68	59.0664	A	1.4
9	☐			8002.18	0.0331	P	0.5

$$y = 0.0059 * x + 5.5266E-004$$

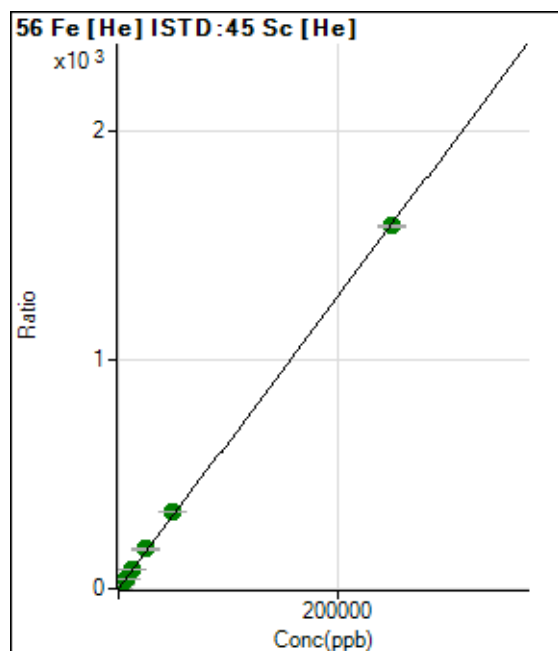
$$R = 1.0000$$

$$DL = 0.05291$$

$$BEC = 0.09323$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	9866.66	0.0325	P	2.7
2	☐	5.000	5.394	20306.00	0.0669	P	1.8
3	☐	50.000	52.935	113357.46	0.3698	P	0.8
4	☐	2500.000	2741.037	5261959.05	17.4995	A	2.1
5	☐	6250.000	6809.365	12590793.15	43.4247	A	1.7
6	☐	12500.000	13614.832	24534088.52	86.7920	A	1.5
7	☐	25000.000	27247.041	48373539.28	173.6623	A	1.7
8	☐	50000.000	53117.463	93387307.50	338.5197	A	0.8
9	☐	250000.00	249079.66	383731932.0	1587.274	A	0.9

$$y = 0.0064 * x + 0.0325$$

$$R = 0.9999$$

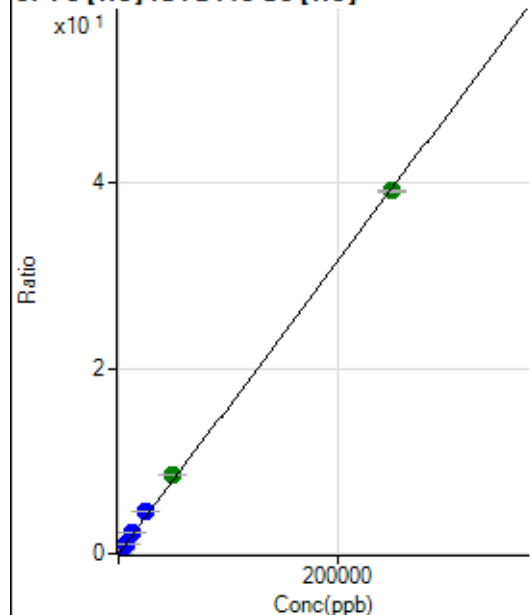
$$DL = 0.4079$$

$$BEC = 5.097$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	351.12	0.0012	P	6.7
2	☐	5.000	4.395	561.13	0.0018	P	2.6
3	☐	50.000	56.808	3093.68	0.0101	P	1.2
4	☐	2500.000	2892.348	137162.21	0.4561	P	0.6
5	☐	6250.000	7109.631	324618.43	1.1195	P	0.7
6	☐	12500.000	14365.633	639120.91	2.2609	P	0.3
7	☐	25000.000	28620.819	1254459.23	4.5033	P	0.9
8	☐	50000.000	53600.235	2326469.32	8.4327	A	0.4
9	☐	250000.00	248799.17	9462207.43	39.1384	A	0.7

$$y = 1.5730E-004 * x + 0.0012$$

$$R = 0.9998$$

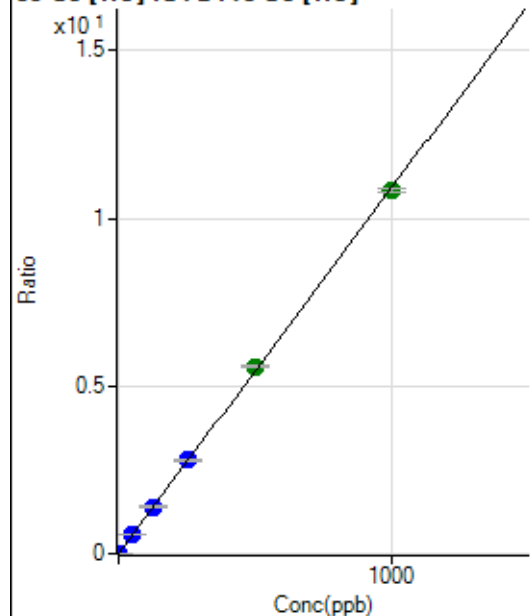
$$DL = 1.477$$

$$BEC = 7.349$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	36.67	0.0001	P	33.0
2	☐	0.100	0.093	345.56	0.0011	P	11.0
3	☐	1.000	0.966	3265.95	0.0107	P	1.6
4	☐	50.000	52.152	171097.20	0.5690	P	0.2
5	☐	125.000	128.299	405806.87	1.3996	P	0.9
6	☐	250.000	255.653	788300.76	2.7887	P	0.9
7	☐	500.000	512.077	1555889.52	5.5857	A	1.8
8	☐	1000.000	992.029	2985074.51	10.8208	A	1.0
9	☐			2976.99	0.0123	P	3.5

$$y = 0.0109 * x + 1.2076E-004$$

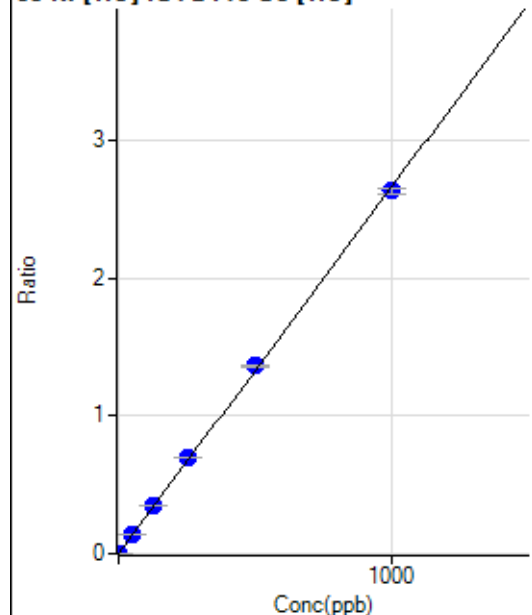
$$R = 0.9999$$

$$DL = 0.01097$$

$$BEC = 0.01107$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	80.00	0.0003	P	11.0
2	☐	0.100	0.091	153.34	0.0005	P	3.8
3	☐	1.000	0.946	852.25	0.0028	P	1.6
4	☐	50.000	53.709	43060.47	0.1432	P	0.6
5	☐	125.000	130.851	101043.85	0.3485	P	1.0
6	☐	250.000	261.564	196839.72	0.6963	P	0.9
7	☐	500.000	512.367	379894.39	1.3638	P	1.0
8	☐	1000.000	990.008	726837.10	2.6349	P	1.4
9	☐			2236.86	0.0093	P	2.2

$$y = 0.0027 * x + 2.6335E-004$$

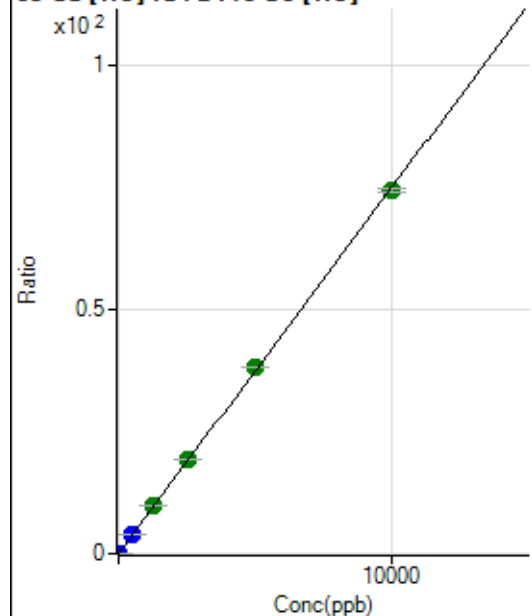
$$R = 0.9998$$

$$DL = 0.03261$$

$$BEC = 0.09896$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	711.14	0.0023	P	9.1
2	☐	0.200	0.185	1131.17	0.0037	P	3.1
3	☐	2.000	2.025	5359.90	0.0175	P	1.8
4	☐	500.000	525.678	1183058.14	3.9343	P	0.7
5	☐	1250.000	1304.645	2830162.91	9.7608	A	0.9
6	☐	2500.000	2580.820	5457457.91	19.3062	A	0.7
7	☐	5000.000	5107.009	10641806.51	38.2015	A	0.3
8	☐	10000.000	9918.176	20465573.86	74.1879	A	1.1
9	☐			3899.43	0.0161	P	2.6

$$y = 0.0075 * x + 0.0023$$

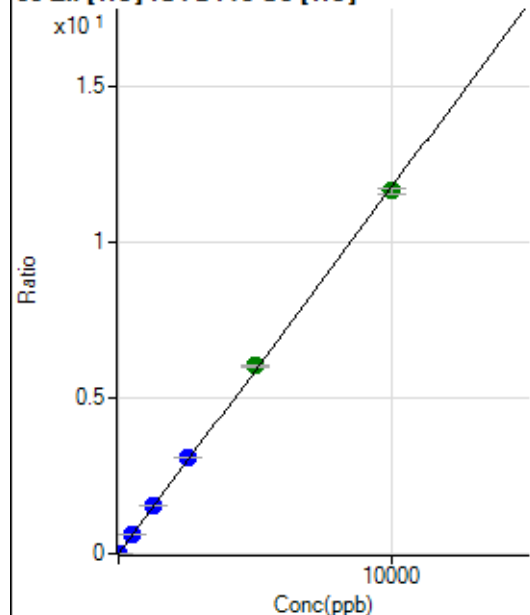
$$R = 0.9999$$

$$DL = 0.08567$$

$$BEC = 0.313$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD: ⁴⁵Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	155.56	0.0005	P	8.4
2	☒	0.200					
3	☐	2.000	2.095	912.26	0.0030	P	4.2
4	☐	500.000	528.328	187005.13	0.6219	P	0.3
5	☐	1250.000	1305.215	445238.70	1.5356	P	0.9
6	☐	2500.000	2605.358	866316.62	3.0646	P	0.1
7	☐	5000.000	5130.504	1680969.80	6.0344	A	1.2
8	☐	10000.000	9900.090	3211814.74	11.6439	A	1.9
9	☐			13670.81	0.0566	P	0.9

$$y = 0.0012 * x + 5.1201E-004$$

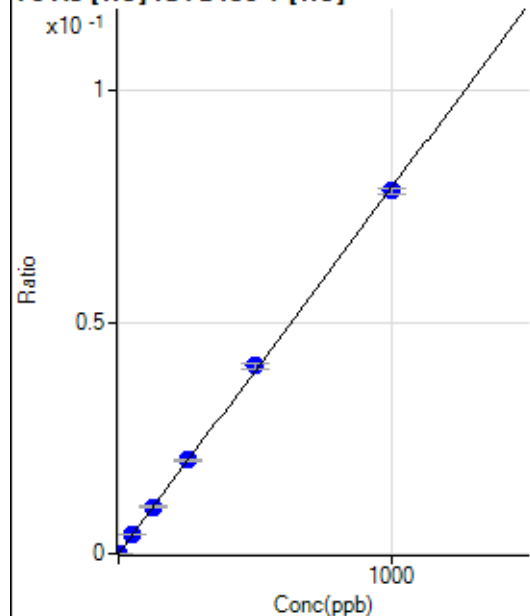
$$R = 0.9998$$

$$DL = 0.1094$$

$$BEC = 0.4353$$

Weight: <None>

Min Conc: 0

⁷⁵As [He] ISTD: ⁸⁹Y [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☒	0.100					
3	☐	1.000	0.861	210.01	0.0001	P	13.1
4	☐	50.000	51.226	12344.11	0.0040	P	2.4
5	☐	125.000	127.462	29845.62	0.0101	P	2.6
6	☐	250.000	256.617	58638.60	0.0203	P	1.4
7	☐	500.000	512.942	115960.76	0.0405	P	3.2
8	☐	1000.000	991.506	223965.92	0.0784	P	1.6
9	☐			66.67	0.0000	P	37.7

$$y = 7.9045E-005 * x + 0.0000E+000$$

$$R = 0.9998$$

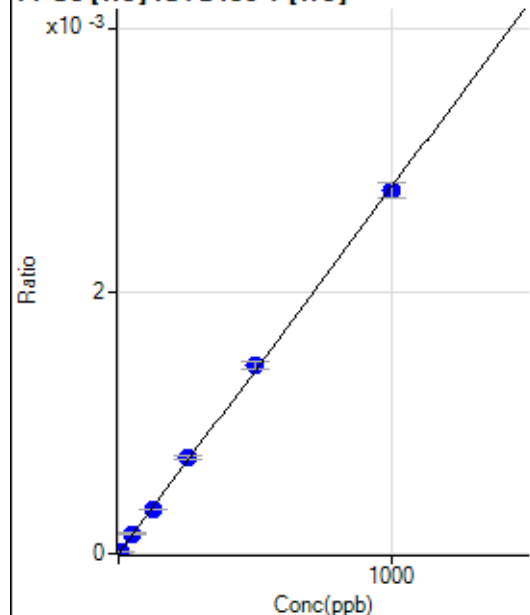
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500	0.129	1.11	0.0000	P	173.
3	☐	5.000	5.291	45.56	0.0000	P	23.0
4	☐	50.000	53.475	455.57	0.0001	P	10.8
5	☐	125.000	121.016	1002.27	0.0003	P	0.9
6	☐	250.000	263.648	2131.28	0.0007	P	3.0
7	☐	500.000	513.988	4108.39	0.0014	P	4.3
8	☐	1000.000	989.917	7904.39	0.0028	P	4.1
9	☐			5.55	0.0000	P	125.

$$y = 2.7952\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9997$$

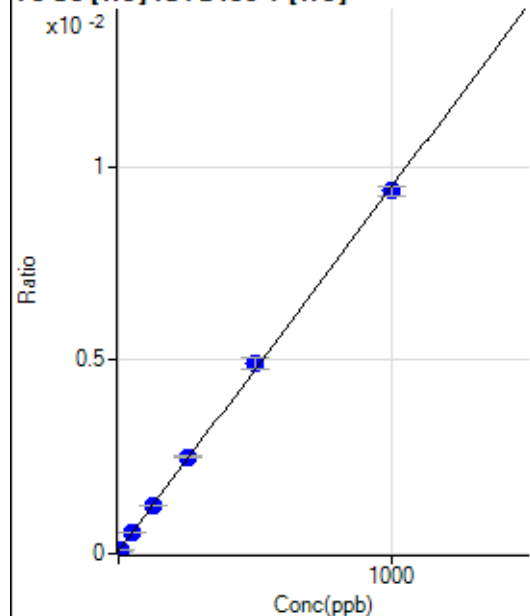
$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	192.22	0.0001	P	10.9
2	☐	0.500	0.792	216.67	0.0001	P	15.7
3	☐	5.000	4.376	322.23	0.0001	P	10.2
4	☐	50.000	52.373	1695.67	0.0006	P	0.6
5	☐	125.000	124.114	3648.26	0.0012	P	0.6
6	☐	250.000	258.908	7227.38	0.0025	P	1.5
7	☐	500.000	516.796	14084.58	0.0049	P	6.5
8	☐	1000.000	989.370	26786.52	0.0094	P	2.7
9	☐			195.56	0.0001	P	7.3

$$y = 9.4116\text{E-}006 * x + 6.3293\text{E-}005$$

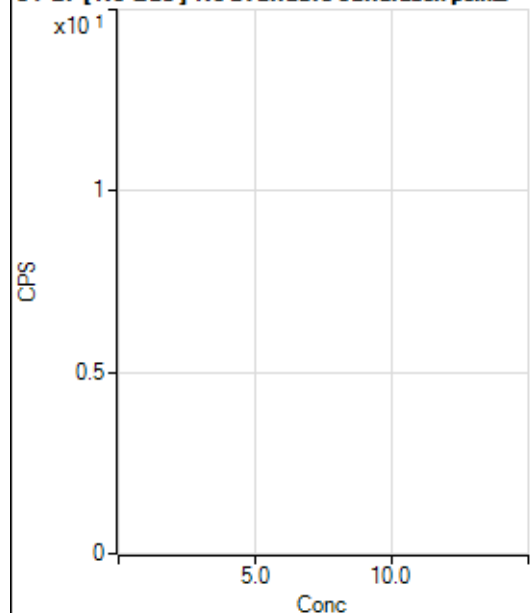
$$R = 0.9997$$

$$DL = 2.198$$

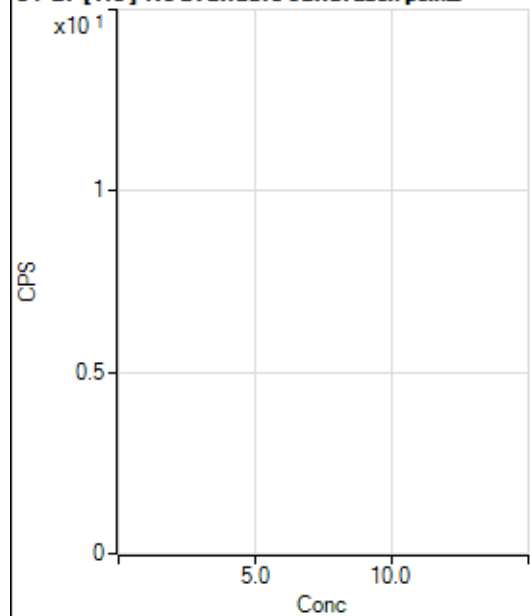
$$BEC = 6.725$$

Weight: <None>

Min Conc: 0

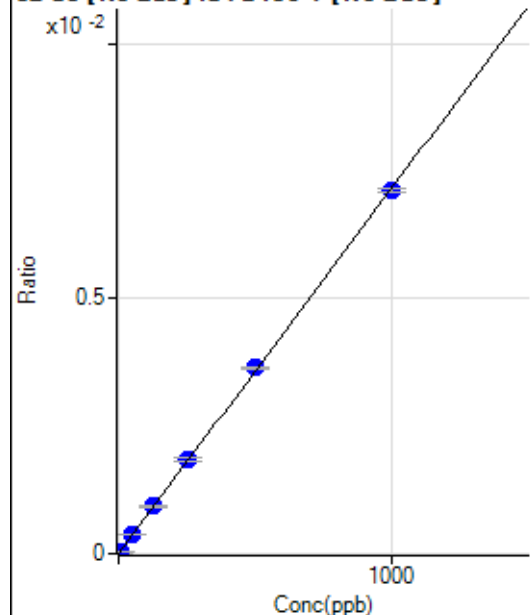
81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			32954.68		P	0.6
2	☐			33243.02		P	1.3
3	☐			32997.03		P	0.7
4	☐			32836.66		P	1.9
5	☐			31393.38		P	0.5
6	☐			31316.66		P	1.0
7	☐			30352.36		P	1.0
8	☐			30306.90		P	1.1
9	☐			29157.75		P	2.4

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			98.89		P	12.8
2	☐			115.56		P	20.9
3	☐			88.89		P	9.4
4	☐			62.22		P	34.4
5	☐			68.89		P	31.1
6	☐			55.56		P	39.0
7	☐			43.33		P	20.3
8	☐			53.34		P	39.0
9	☐			64.44		P	21.5

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.89	0.0000	P	101.
2	☐	0.500	0.426	61.07	0.0000	P	26.4
3	☐	5.000	5.109	450.63	0.0000	P	7.5
4	☐	50.000	54.093	4369.82	0.0004	P	1.9
5	☐	125.000	128.839	10478.68	0.0009	P	2.0
6	☐	250.000	256.461	20588.24	0.0018	P	3.9
7	☐	500.000	508.232	40490.52	0.0036	P	0.5
8	☐	1000.000	993.584	78509.68	0.0071	P	1.1
9	☐			181.98	0.0000	P	18.9

$$y = 7.1561\text{E-}006 * x + 2.2540\text{E-}006$$

$$R = 0.9999$$

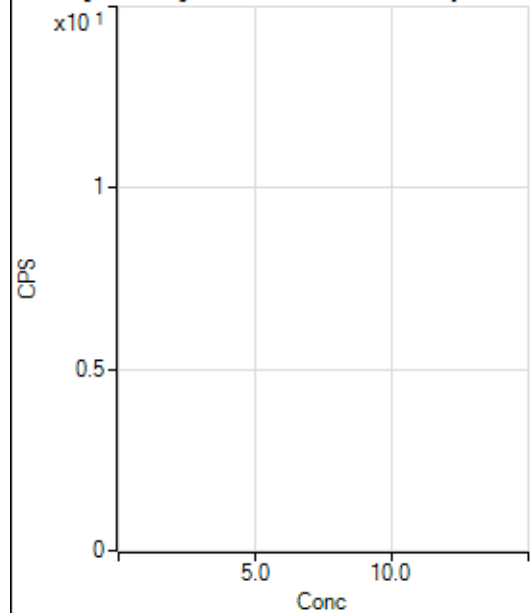
$$DL = 0.9574$$

$$BEC = 0.315$$

Weight: <None>

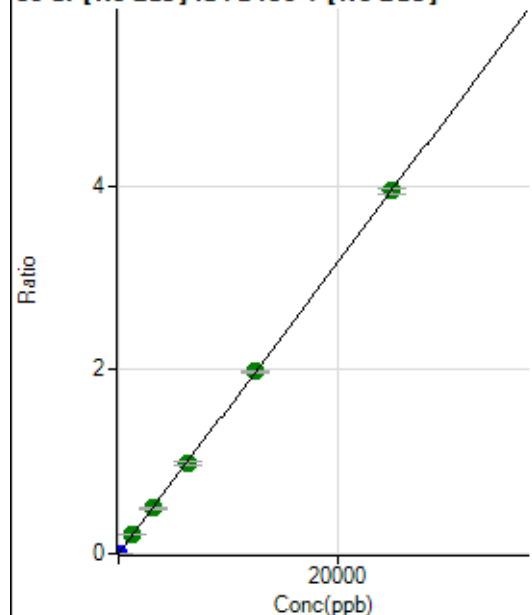
Min Conc: 0

83 Kr [No Gas] No available calibration points



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			92.22		P	27.6
2	☐			86.66		P	6.7
3	☐			77.78		P	31.0
4	☐			88.89		P	36.4
5	☐			88.89		P	24.4
6	☐			86.67		P	26.9
7	☐			108.89		P	11.6
8	☐			112.23		P	12.4
9	☐			104.45		P	26.8

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	153.34	0.0000	P	8.4
2	☐	0.100	0.091	320.01	0.0000	P	3.6
3	☐	1.000	0.939	1877.92	0.0002	P	2.3
4	☐	1250.000	1298.031	2301054.67	0.2051	A	3.2
5	☐	3125.000	3126.603	5600249.91	0.4939	A	1.5
6	☐	6250.000	6227.995	11021051.78	0.9839	A	4.7
7	☐	12500.000	12519.547	22005959.39	1.9778	A	0.4
8	☐	25000.000	24993.126	43585228.80	3.9484	A	1.2
9	☐			16699.95	0.0017	P	18.3

$$y = 1.5798E-004 * x + 1.3366E-005$$

$$R = 1.0000$$

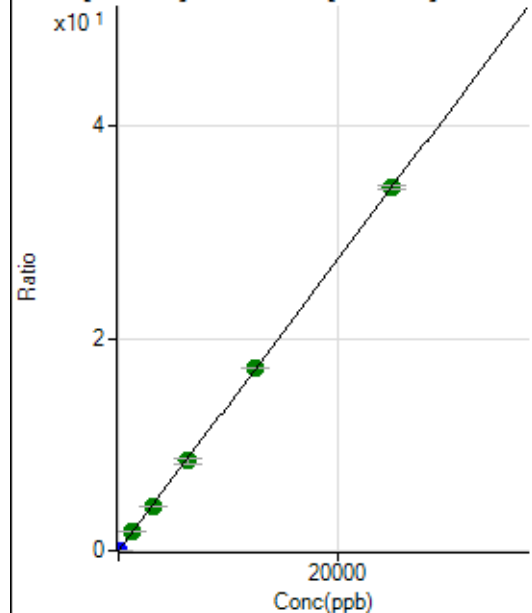
$$DL = 0.02126$$

$$BEC = 0.08461$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	145.56	0.0000	P	7.1
2	☐	0.100	0.090	1568.99	0.0001	P	7.7
3	☐	1.000	0.947	15176.81	0.0013	P	2.6
4	☐	1250.000	1292.900	19841486.23	1.7683	A	3.3
5	☐	3125.000	3076.142	47700429.29	4.2073	A	0.6
6	☐	6250.000	6195.514	94888930.81	8.4737	A	5.7
7	☐	12500.000	12554.391	191045757.1	17.1709	A	0.4
8	☐	25000.000	24990.388	377302932.1	34.1798	A	1.0
9	☐			145587.26	0.0148	P	20.5

$$y = 0.0014 * x + 1.2685E-005$$

$$R = 1.0000$$

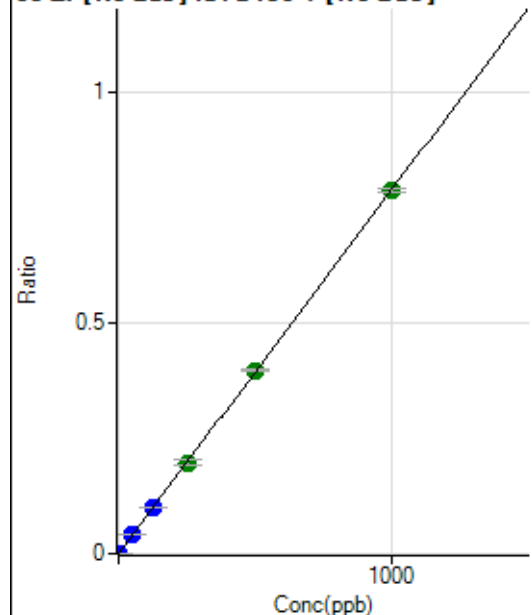
$$DL = 0.001965$$

$$BEC = 0.009275$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	302.23	0.0000	P	0.2
2	☐	0.100	0.092	1137.84	0.0001	P	6.1
3	☐	1.000	0.916	8698.22	0.0007	P	2.6
4	☐	50.000	52.551	465929.60	0.0415	P	2.1
5	☐	125.000	126.732	1134708.15	0.1001	P	0.5
6	☐	250.000	250.865	2218115.17	0.1981	A	5.9
7	☐	500.000	503.434	4422776.60	0.3975	A	0.9
8	☐	1000.000	997.723	8695969.87	0.7877	A	1.0
9	☐			3148.16	0.0003	P	21.4

$$y = 7.8951\text{E-}004 * x + 2.6338\text{E-}005$$

$$R = 1.0000$$

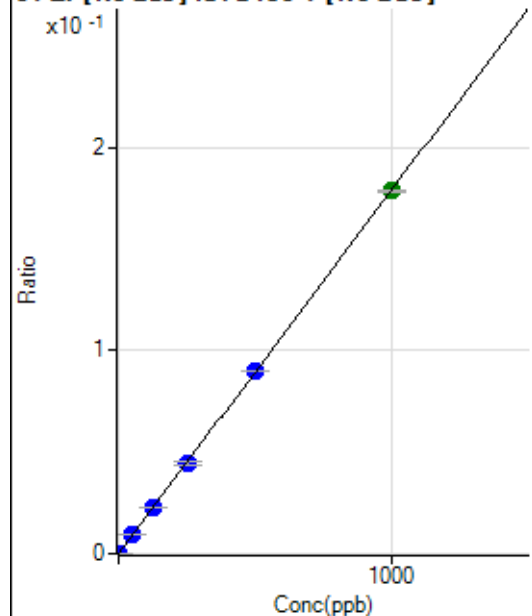
$$DL = 0.0002144$$

$$BEC = 0.03336$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72.22	0.0000	P	34.6
2	☐	0.100	0.077	230.00	0.0000	P	17.1
3	☐	1.000	0.903	1949.04	0.0002	P	5.8
4	☐	50.000	52.056	104611.42	0.0093	P	2.6
5	☐	125.000	125.319	254335.24	0.0224	P	0.8
6	☐	250.000	248.956	498986.09	0.0446	P	5.6
7	☐	500.000	503.948	1003497.38	0.0902	P	0.2
8	☐	1000.000	998.144	1971867.37	0.1786	A	0.8
9	☐			677.80	0.0001	P	29.1

$$y = 1.7896\text{E-}004 * x + 6.2862\text{E-}006$$

$$R = 1.0000$$

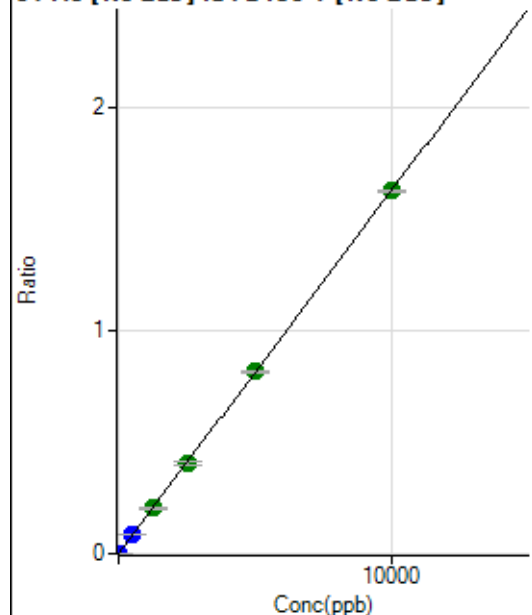
$$DL = 0.03642$$

$$BEC = 0.03513$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91.11	0.0000	P	5.1
2	☐	0.500	0.541	1103.39	0.0001	P	1.9
3	☐	5.000	5.475	10419.34	0.0009	P	1.5
4	☐	500.000	527.090	961291.13	0.0857	P	2.6
5	☐	1250.000	1249.199	2301607.79	0.2030	A	0.9
6	☐	2500.000	2487.650	4527156.64	0.4043	A	5.5
7	☐	5000.000	5021.131	9078412.92	0.8160	A	1.2
8	☐	10000.000	9991.267	17922549.18	1.6236	A	0.8
9	☐			6401.54	0.0007	P	24.9

$$y = 1.6250E-004 * x + 7.9388E-006$$

$$R = 1.0000$$

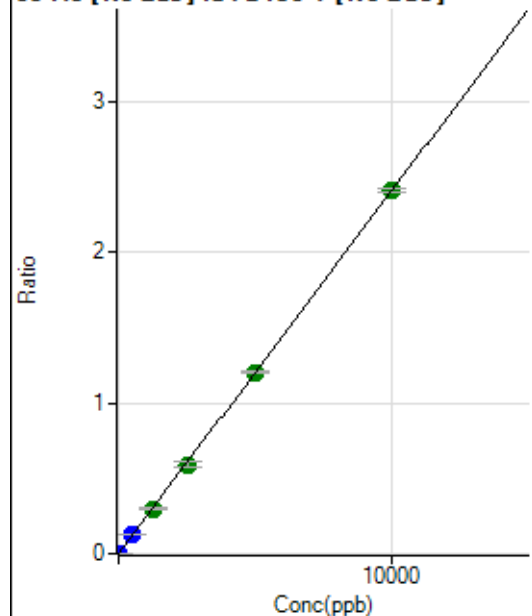
$$DL = 0.007482$$

$$BEC = 0.04885$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	41.11	0.0000	P	19.3
2	☐	0.500	0.478	1363.41	0.0001	P	1.7
3	☐	5.000	4.559	12764.55	0.0011	P	0.3
4	☐	500.000	522.415	1409621.16	0.1256	P	2.1
5	☐	1250.000	1245.391	3394702.24	0.2994	A	1.2
6	☐	2500.000	2465.039	6636786.22	0.5927	A	5.6
7	☐	5000.000	5010.153	13402222.85	1.2046	A	0.3
8	☐	10000.000	10003.120	26547265.16	2.4050	A	1.0
9	☐			8331.48	0.0008	P	25.7

$$y = 2.4042E-004 * x + 3.5851E-006$$

$$R = 1.0000$$

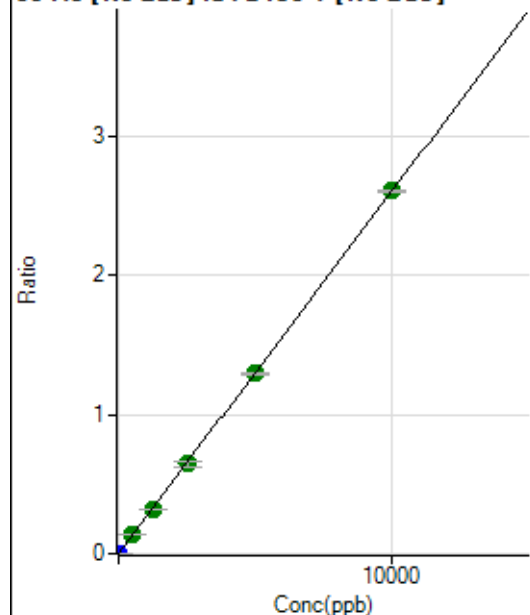
$$DL = 0.008617$$

$$BEC = 0.01491$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	86.67	0.0000	P	34.8
2	☐	0.500	0.471	1495.65	0.0001	P	6.1
3	☐	5.000	4.626	14040.15	0.0012	P	0.4
4	☐	500.000	513.629	1497680.67	0.1335	A	2.4
5	☐	1250.000	1233.478	3633572.97	0.3205	A	0.8
6	☐	2500.000	2475.018	7201995.73	0.6431	A	5.2
7	☐	5000.000	4972.455	14374291.31	1.2919	A	0.5
8	☐	10000.000	10021.402	28742879.29	2.6037	A	0.3
9	☐			19171.81	0.0020	P	11.0

$$y = 2.5982\text{E-}004 * x + 7.5441\text{E-}006$$

$$R = 1.0000$$

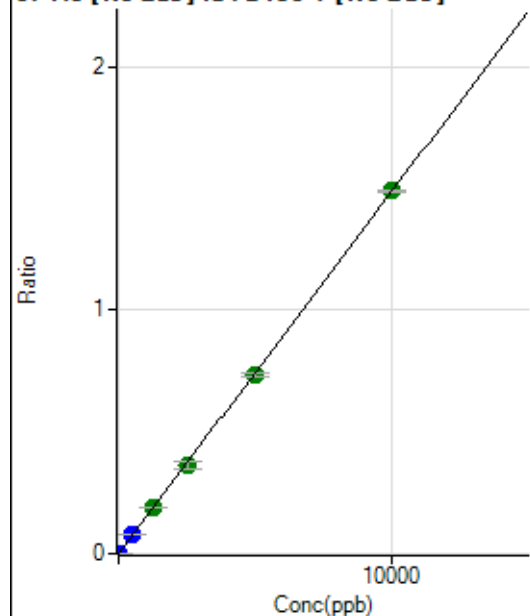
$$DL = 0.0303$$

$$BEC = 0.02904$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	21.11	0.0000	P	23.8
2	☐	0.500	0.461	810.03	0.0001	P	13.9
3	☐	5.000	4.627	8002.26	0.0007	P	1.1
4	☐	500.000	524.839	875206.21	0.0780	P	2.3
5	☐	1250.000	1261.010	2124377.21	0.1874	A	0.5
6	☐	2500.000	2447.330	4071149.70	0.3636	A	6.8
7	☐	5000.000	4959.357	8198565.29	0.7369	A	1.7
8	☐	10000.000	10030.871	16453385.31	1.4905	A	0.4
9	☐			5513.40	0.0006	P	26.5

$$y = 1.4859\text{E-}004 * x + 1.8392\text{E-}006$$

$$R = 1.0000$$

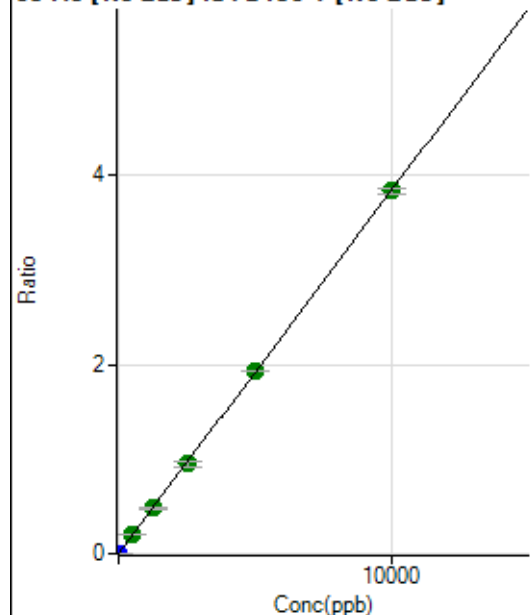
$$DL = 0.008839$$

$$BEC = 0.01238$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	28.89	0.0000	P	17.9
2	☐	0.500	0.465	2083.50	0.0002	P	4.2
3	☐	5.000	4.551	20318.70	0.0018	P	1.1
4	☐	500.000	517.555	2230224.88	0.1988	A	2.9
5	☐	1250.000	1246.044	5424967.42	0.4785	A	1.3
6	☐	2500.000	2479.920	10663731.92	0.9523	A	5.9
7	☐	5000.000	5033.277	21505531.63	1.9329	A	0.1
8	☐	10000.000	9987.998	42339588.54	3.8355	A	1.4
9	☐			13254.58	0.0013	P	27.0

$$y = 3.8401\text{E-}004 * x + 2.5182\text{E-}006$$

$$R = 1.0000$$

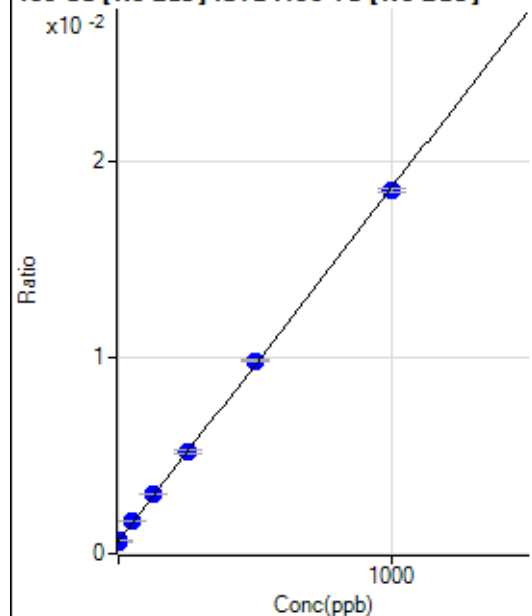
$$DL = 0.003526$$

$$BEC = 0.006558$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5070.93	0.0006	P	4.7
2	☐	0.100	0.341	5167.63	0.0006	P	5.4
3	☐	1.000	1.961	5336.58	0.0007	P	2.1
4	☐	50.000	57.193	12975.90	0.0017	P	2.7
5	☐	125.000	133.829	23973.16	0.0030	P	0.7
6	☐	250.000	253.317	41749.83	0.0052	P	4.4
7	☐	500.000	511.809	77641.54	0.0098	P	0.3
8	☐	1000.000	991.802	144700.06	0.0185	P	1.1
9	☐			4466.28	0.0006	P	2.6

$$y = 1.7968\text{E-}005 * x + 6.3205\text{E-}004$$

$$R = 0.9999$$

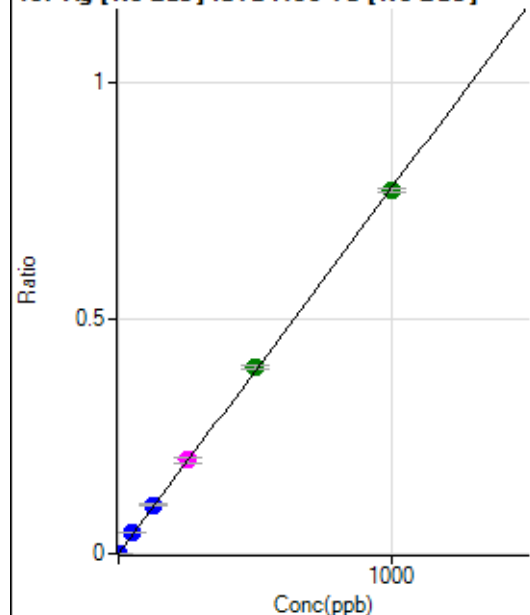
$$DL = 4.915$$

$$BEC = 35.18$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.56	0.0000	P	16.1
2	☐	0.100	0.096	660.02	0.0001	P	7.2
3	☐	1.000	1.020	6378.12	0.0008	P	3.0
4	☐	50.000	56.154	340696.44	0.0436	P	1.8
5	☐	125.000	133.991	820723.24	0.1040	P	1.3
6	☐	250.000	255.299	1595234.61	0.1981	M	4.7
7	☐	500.000	509.229	3120777.28	0.3951	A	1.9
8	☐	1000.000	992.629	6039334.08	0.7701	A	1.0
9	☐			3041.47	0.0004	P	11.0

$$y = 7.7583\text{E-}004 * x + 6.9142\text{E-}006$$

$$R = 0.9999$$

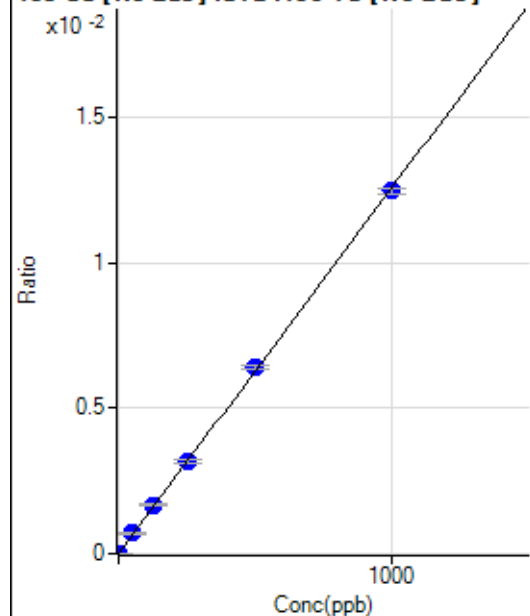
$$DL = 0.004315$$

$$BEC = 0.008912$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.00	0.0000	P	67.3
2	☐	0.100	0.108	21.11	0.0000	P	8.5
3	☐	1.000	0.952	105.56	0.0000	P	15.1
4	☐	50.000	55.963	5503.32	0.0007	P	6.4
5	☐	125.000	134.026	13296.17	0.0017	P	0.9
6	☐	250.000	252.393	25526.99	0.0032	P	5.8
7	☐	500.000	510.412	50635.78	0.0064	P	2.0
8	☐	1000.000	992.769	97761.01	0.0125	P	1.9
9	☐			60.00	0.0000	P	15.6

$$y = 1.2557\text{E-}005 * x + 1.2520\text{E-}006$$

$$R = 0.9999$$

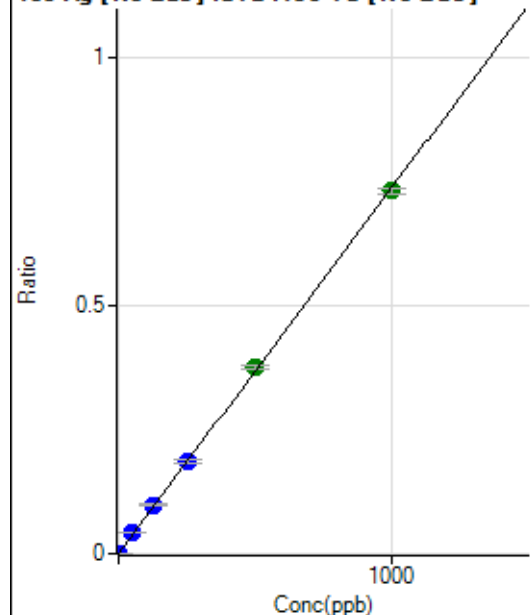
$$DL = 0.2014$$

$$BEC = 0.09971$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11.11	0.0000	P	34.4
2	☐	0.100	0.098	593.35	0.0001	P	10.8
3	☐	1.000	1.032	6090.23	0.0008	P	5.1
4	☐	50.000	56.435	325278.42	0.0416	P	0.4
5	☐	125.000	133.802	778523.87	0.0986	P	1.1
6	☐	250.000	254.747	1512263.12	0.1878	P	4.3
7	☐	500.000	509.999	2969027.53	0.3759	A	2.4
8	☐	1000.000	992.392	5735563.67	0.7314	A	1.7
9	☐			2905.88	0.0004	P	10.8

$$y = 7.3703\text{E-}004 * x + 1.3833\text{E-}006$$

$$R = 0.9999$$

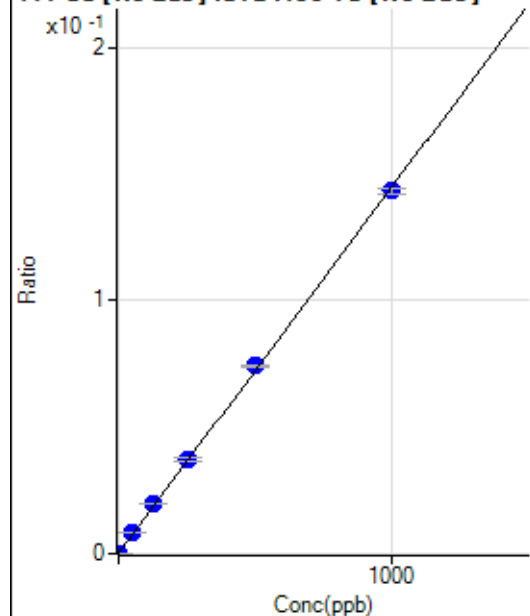
$$DL = 0.001937$$

$$BEC = 0.001877$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1011.63	0.0001	P	4.7
2	☐	0.100	0.104	1143.20	0.0001	P	3.5
3	☐	1.000	1.086	2262.39	0.0003	P	1.5
4	☐	50.000	55.878	64128.56	0.0082	P	0.8
5	☐	125.000	134.136	154010.01	0.0195	P	1.4
6	☐	250.000	255.690	298594.52	0.0371	P	4.4
7	☐	500.000	512.086	585517.54	0.0741	P	1.6
8	☐	1000.000	991.098	1124034.56	0.1433	P	1.2
9	☐			1360.16	0.0002	P	7.1

$$y = 1.4450\text{E-}004 * x + 1.2609\text{E-}004$$

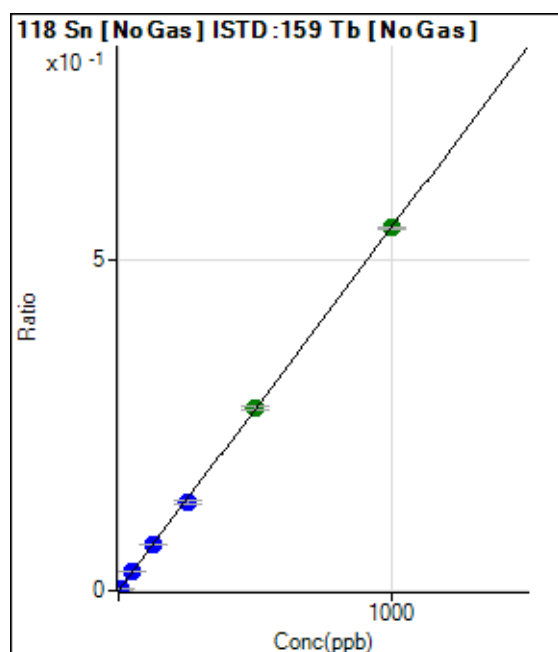
$$R = 0.9998$$

$$DL = 0.1227$$

$$BEC = 0.8726$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	984.49	0.0001	P	6.9
2	☐	0.500	0.429	2901.43	0.0004	P	9.2
3	☐	5.000	4.778	21963.52	0.0027	P	5.4
4	☐	50.000	52.748	227584.60	0.0291	P	1.4
5	☐	125.000	127.450	553813.49	0.0702	P	0.7
6	☐	250.000	244.185	1081595.94	0.1343	P	4.5
7	☐	500.000	503.404	2185785.43	0.2767	A	2.2
8	☐	1000.000	999.309	4307095.73	0.5492	A	0.6
9	☐			2951.45	0.0004	P	12.0

$$y = 5.4945\text{E-}004 * x + 1.2270\text{E-}004$$

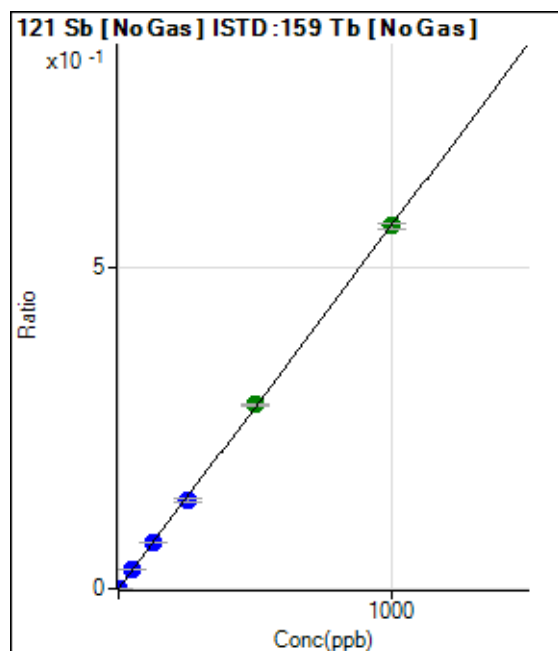
$$R = 1.0000$$

$$DL = 0.04629$$

$$BEC = 0.2233$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0000	P	34.0
2	☐	0.200	0.177	835.59	0.0001	P	6.6
3	☐	2.000	1.890	8567.05	0.0011	P	1.9
4	☐	50.000	51.470	227543.00	0.0291	P	0.9
5	☐	125.000	125.192	558723.19	0.0708	P	0.6
6	☐	250.000	241.896	1101338.60	0.1367	P	4.5
7	☐	500.000	506.141	2260335.30	0.2861	A	0.7
8	☐	1000.000	998.858	4427696.22	0.5646	A	1.5
9	☐			2719.18	0.0004	P	8.1

$$y = 5.6528\text{E-}004 * x + 3.3295\text{E-}006$$

$$R = 0.9999$$

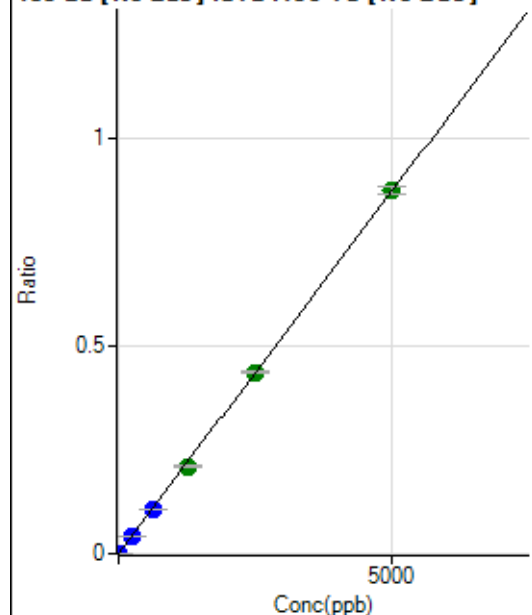
$$DL = 0.006007$$

$$BEC = 0.00589$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	53.3
2	☐	1.000	0.863	1237.85	0.0002	P	8.2
3	☐	10.000	9.071	12687.96	0.0016	P	0.8
4	☐	250.000	251.553	343696.59	0.0440	P	0.3
5	☐	625.000	609.458	840587.37	0.1065	P	1.2
6	☐	1250.000	1206.715	1698197.42	0.2108	A	4.0
7	☐	2500.000	2503.617	3455184.91	0.4374	A	1.4
8	☐	5000.000	5010.880	6864602.05	0.8754	A	2.2
9	☐			4707.50	0.0007	P	9.5

$$y = 1.7471\text{E-}004 * x + 2.0778\text{E-}006$$

$$R = 1.0000$$

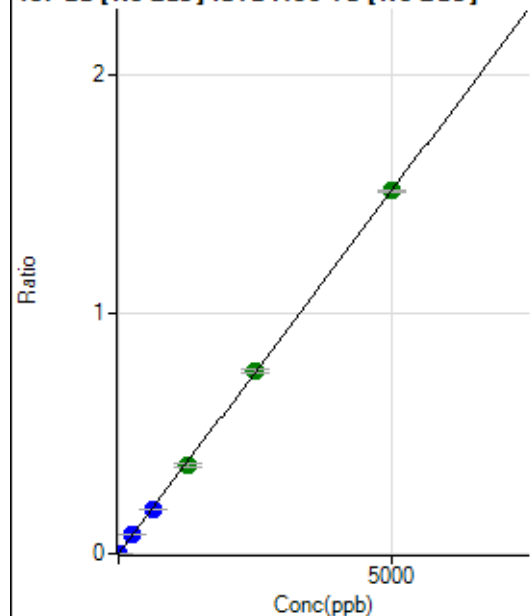
$$DL = 0.019$$

$$BEC = 0.01189$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	20.4
2	☐	1.000	0.924	2284.65	0.0003	P	3.0
3	☐	10.000	9.116	22096.12	0.0028	P	2.9
4	☐	250.000	254.436	602823.54	0.0771	P	1.0
5	☐	625.000	617.292	1476491.14	0.1870	P	1.1
6	☐	1250.000	1221.385	2981429.02	0.3701	A	3.2
7	☐	2500.000	2516.742	6023285.88	0.7625	A	1.8
8	☐	5000.000	4999.526	11878928.99	1.5148	A	0.6
9	☐			8091.28	0.0012	P	8.0

$$y = 3.0298\text{E-}004 * x + 2.0775\text{E-}006$$

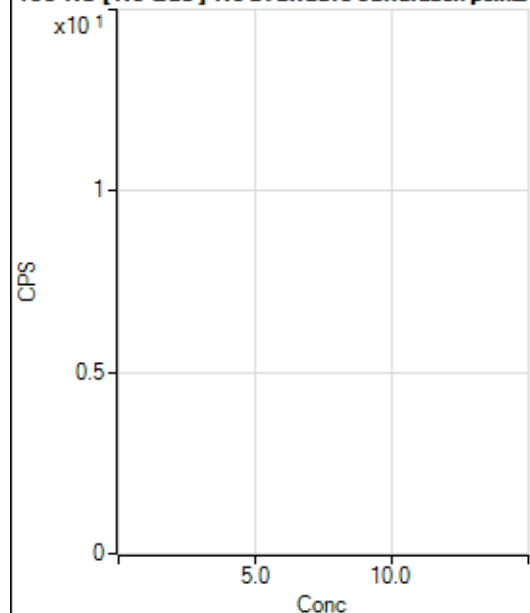
$$R = 1.0000$$

$$DL = 0.004197$$

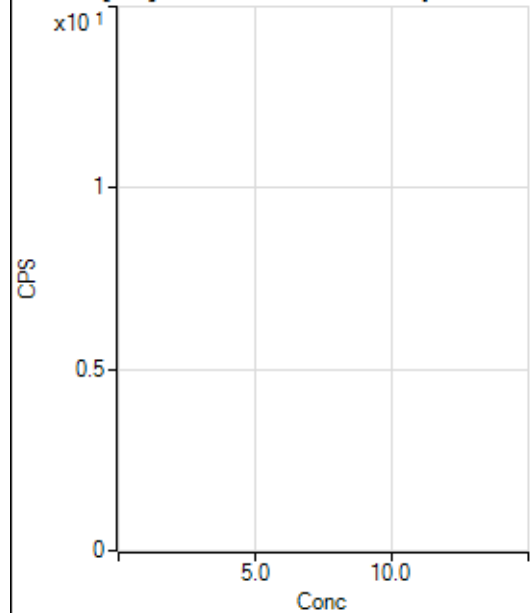
$$BEC = 0.006857$$

Weight: <None>

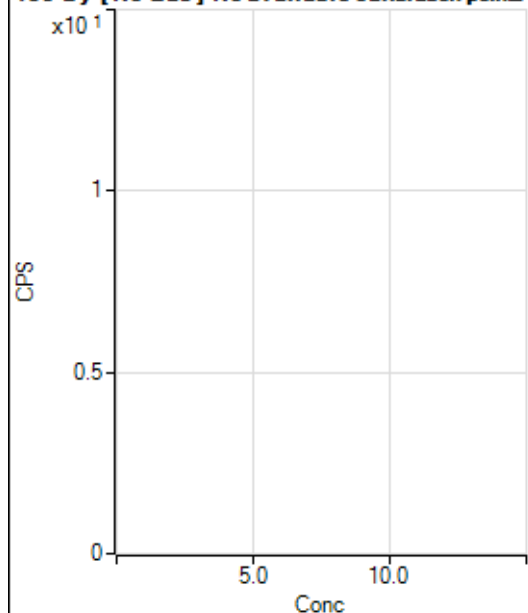
Min Conc: 0

150 Nd [No Gas] No available calibration points

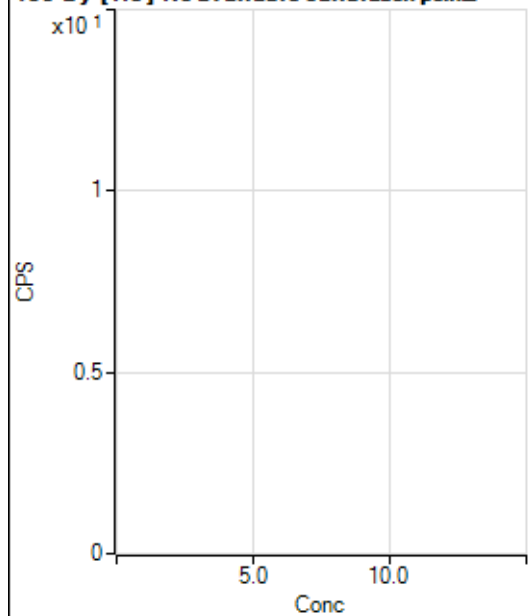
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.
2	☐			2.22		P	86.6
3	☐			10.00		P	57.7
4	☐			74.44		P	29.8
5	☐			175.56		P	15.3
6	☐			298.90		P	7.4
7	☐			686.69		P	8.9
8	☐			1184.51		P	6.2
9	☐			44.44		P	18.9

150 Nd [He] No available calibration points

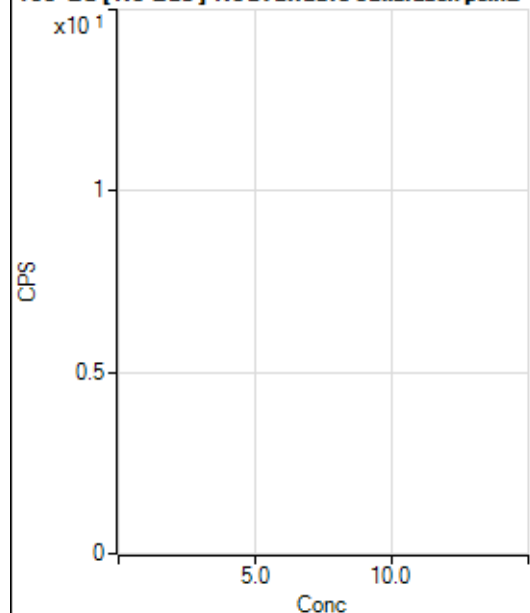
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	114.
2	☐			7.78		P	65.5
3	☐			3.33		P	100.
4	☐			15.55		P	44.6
5	☐			18.89		P	53.9
6	☐			66.67		P	17.3
7	☐			130.00		P	11.2
8	☐			227.78		P	17.5
9	☐			16.67		P	34.6

156 Dy [No Gas] No available calibration points

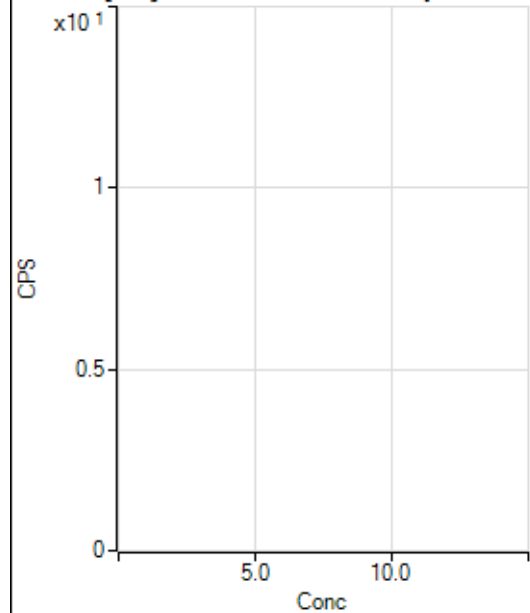
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	124.
2	☐			6.67		P	50.0
3	☐			7.78		P	89.2
4	☐			33.33		P	10.0
5	☐			57.78		P	12.0
6	☐			108.89		P	12.7
7	☐			252.23		P	3.1
8	☐			433.35		P	16.1
9	☐			1186.73		P	3.7

156 Dy [He] No available calibration points

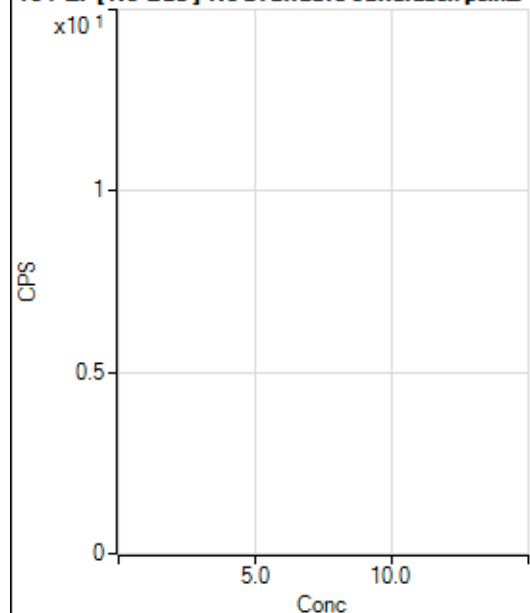
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐			1.11		P	173.
3	☐			5.55		P	124.
4	☐			18.89		P	10.2
5	☐			52.22		P	26.6
6	☐			110.00		P	3.0
7	☐			221.11		P	8.6
8	☐			380.01		P	18.3
9	☐			751.14		P	9.3

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

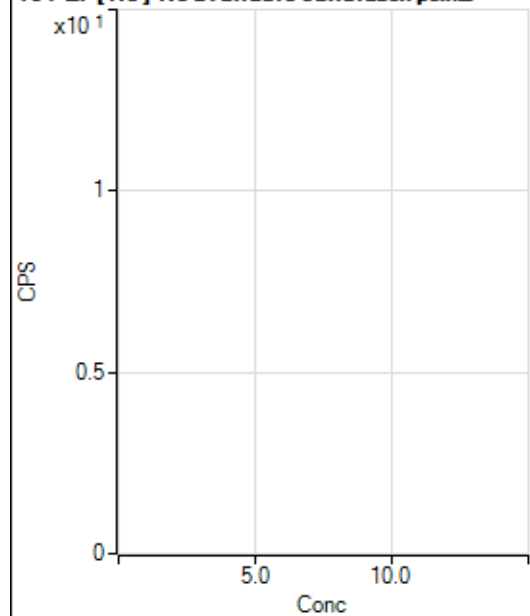
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	56.8
2	☐			28.89		P	24.0
3	☐			24.44		P	41.7
4	☐			50.00		P	17.6
5	☐			72.22		P	11.6
6	☐			101.11		P	33.0
7	☐			173.34		P	20.0
8	☐			312.23		P	11.4
9	☐			1220.07		P	7.1

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			201.12		P	20.0
2	☐			201.11		P	4.2
3	☐			214.45		P	10.9
4	☐			191.11		P	18.7
5	☐			235.56		P	17.6
6	☐			253.34		P	13.7
7	☐			307.79		P	2.3
8	☐			383.34		P	8.3
9	☐			996.71		P	6.7

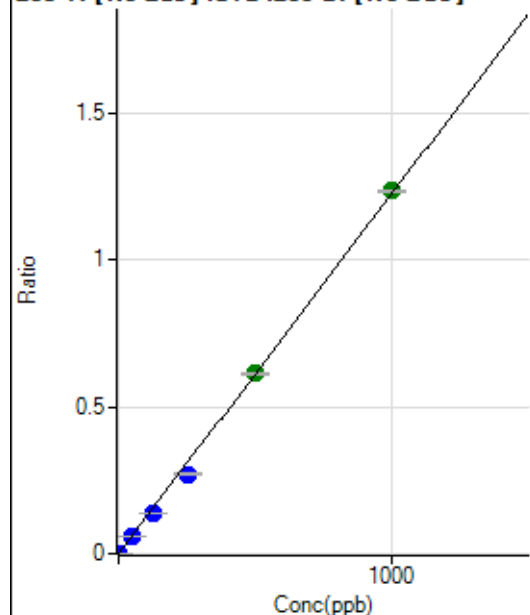
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			72.22		P	11.6
2	☐			44.44		P	26.3
3	☐			58.89		P	17.3
4	☐			65.56		P	14.7
5	☐			61.11		P	17.5
6	☐			66.67		P	26.0
7	☐			71.11		P	16.5
8	☐			91.11		P	7.6
9	☐			86.67		P	3.8

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			52.22		P	35.2
2	☐			33.33		P	26.5
3	☐			34.44		P	5.6
4	☐			40.00		P	22.0
5	☐			42.22		P	22.8
6	☐			26.67		P	25.0
7	☐			50.00		P	23.1
8	☐			62.22		P	34.9
9	☐			58.89		P	3.3

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52.22	0.0000	P	10.1
2	☐	0.100	0.080	585.57	0.0001	P	3.1
3	☐	1.000	0.847	5681.23	0.0010	P	1.7
4	☐	50.000	46.205	300066.99	0.0566	P	1.3
5	☐	125.000	112.812	737871.73	0.1382	P	0.5
6	☐	250.000	221.582	1464833.50	0.2715	P	3.4
7	☐	500.000	499.996	3160716.17	0.6127	A	0.7
8	☐	1000.000	1008.820	6167161.64	1.2362	A	0.8
9	☐			1532.33	0.0004	P	34.3

$$y = 0.0012 * x + 9.6114E-006$$

$$R = 0.9995$$

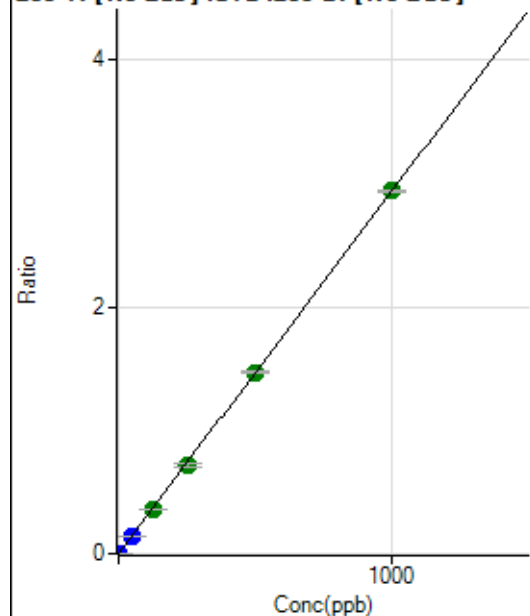
$$DL = 0.002384$$

$$BEC = 0.007844$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	132.22	0.0000	P	26.1
2	☐	0.100	0.081	1423.42	0.0003	P	3.9
3	☐	1.000	0.844	13555.71	0.0025	P	1.4
4	☐	50.000	46.201	717999.13	0.1355	P	2.1
5	☐	125.000	120.470	1885830.37	0.3533	A	1.0
6	☐	250.000	242.752	3840241.19	0.7119	A	4.1
7	☐	500.000	501.182	7582154.54	1.4698	A	1.0
8	☐	1000.000	1001.977	14659328.39	2.9384	A	0.8
9	☐			3539.43	0.0009	P	34.2

$$y = 0.0029 * x + 2.4340E-005$$

$$R = 1.0000$$

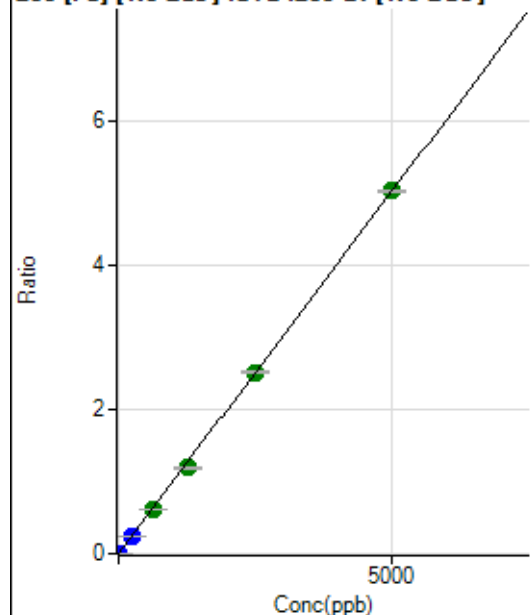
$$DL = 0.006504$$

$$BEC = 0.0083$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	190.00	0.0000	P	14.1
2	☐	0.100	0.081	633.35	0.0001	P	12.2
3	☐	1.000	0.849	4816.46	0.0009	P	3.0
4	☐	250.000	230.780	1229220.80	0.2320	P	1.7
5	☐	625.000	605.055	3245899.88	0.6081	A	0.6
6	☐	1250.000	1192.004	6464393.31	1.1980	A	2.5
7	☐	2500.000	2509.352	13011423.69	2.5220	A	0.1
8	☐	5000.000	5013.277	25137230.46	5.0386	A	0.7
9	☐			7746.82	0.0019	P	19.5

$$y = 0.0010 * x + 3.4973E-005$$

$$R = 0.9999$$

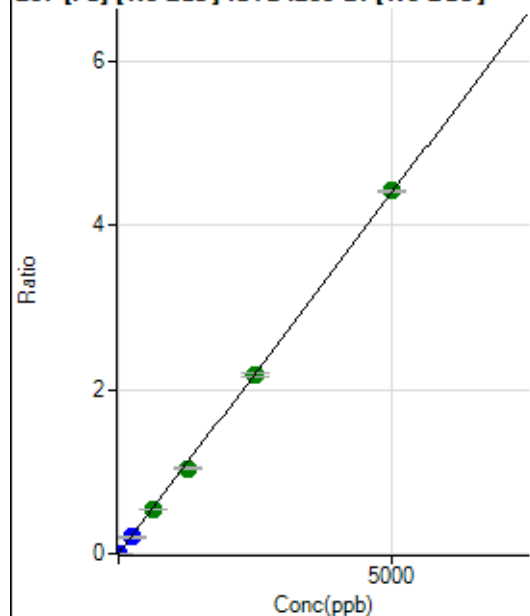
$$DL = 0.0147$$

$$BEC = 0.0348$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	193.34	0.0000	P	1.7
2	☐	0.100	0.074	548.90	0.0001	P	3.1
3	☐	1.000	0.795	3977.29	0.0007	P	3.4
4	☐	250.000	226.626	1054200.27	0.1990	P	2.0
5	☐	625.000	603.470	2827459.23	0.5298	A	1.0
6	☐	1250.000	1181.129	5594945.96	1.0368	A	2.0
7	☐	2500.000	2484.267	11249462.88	2.1807	A	1.5
8	☐	5000.000	5028.944	22022995.23	4.4144	A	0.7
9	☐			6451.68	0.0016	P	23.6

$$y = 8.7778E-004 * x + 3.5573E-005$$

$$R = 0.9999$$

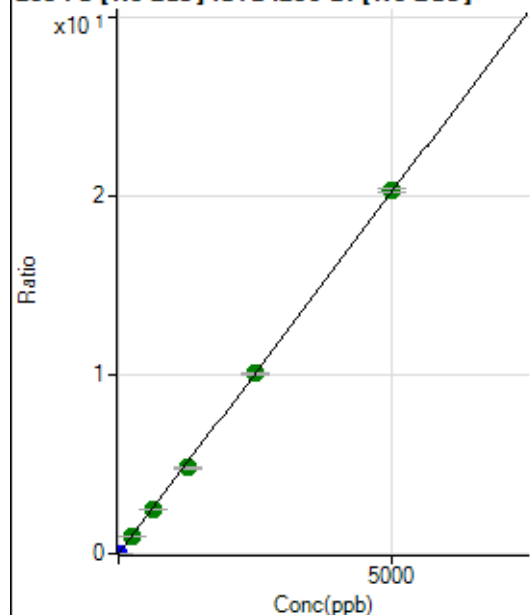
$$DL = 0.002108$$

$$BEC = 0.04053$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	751.13	0.0001	P	3.8
2	☐	0.100	0.081	2526.78	0.0005	P	2.9
3	☐	1.000	0.829	18879.78	0.0035	P	0.8
4	☐	250.000	241.250	5157099.85	0.9734	A	2.6
5	☐	625.000	608.396	13100620.53	2.4546	A	1.2
6	☐	1250.000	1189.593	25891833.08	4.7993	A	3.4
7	☐	2500.000	2492.846	51881930.33	10.0570	A	0.9
8	☐	5000.000	5021.192	101059256.0	20.2572	A	1.1
9	☐			30064.97	0.0074	P	21.7

$$y = 0.0040 * x + 1.3822E-004$$

$$R = 0.9999$$

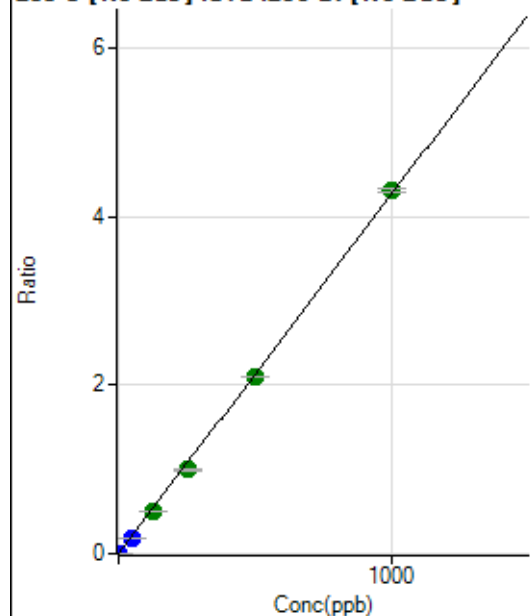
$$DL = 0.003891$$

$$BEC = 0.03426$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.22	0.0000	P	86.6
2	☐	0.100	0.076	1767.92	0.0003	P	1.1
3	☐	1.000	0.761	17584.22	0.0032	P	3.7
4	☐	50.000	41.902	946477.36	0.1786	P	2.0
5	☐	125.000	117.426	2671685.66	0.5006	A	1.4
6	☐	250.000	234.543	5394708.95	0.9999	A	2.9
7	☐	500.000	492.377	10828473.03	2.0990	A	0.6
8	☐	1000.000	1009.027	21461300.10	4.3015	A	1.2
9	☐			3772.88	0.0009	P	38.4

$$y = 0.0043 * x + 4.0808E-007$$

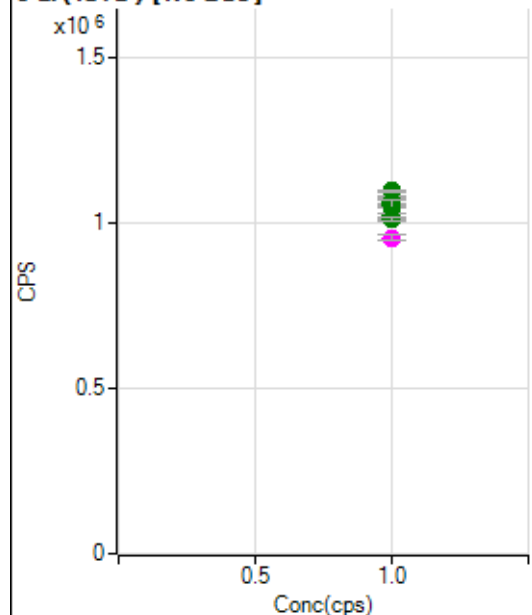
$$R = 0.9998$$

$$DL = 0.0002487$$

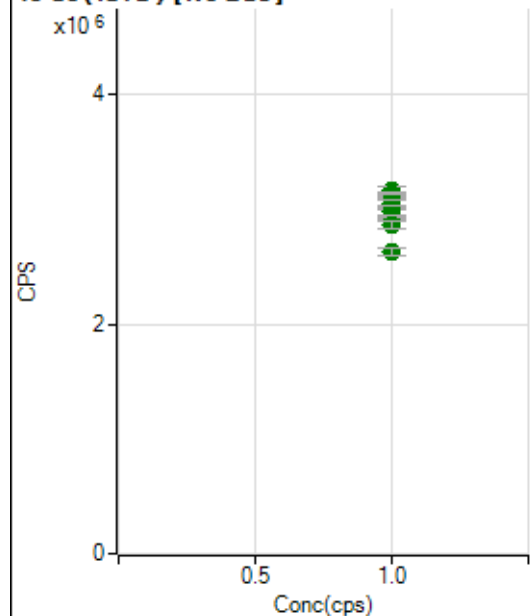
$$BEC = 9.573E-05$$

Weight: <None>

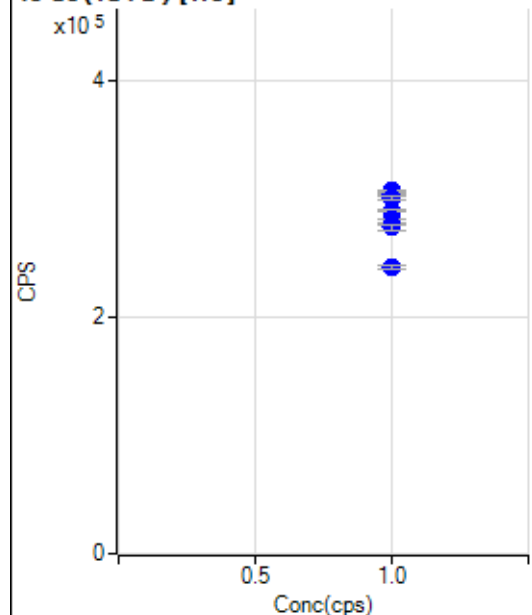
Min Conc: 0

6 Li (ISTD) [No Gas]

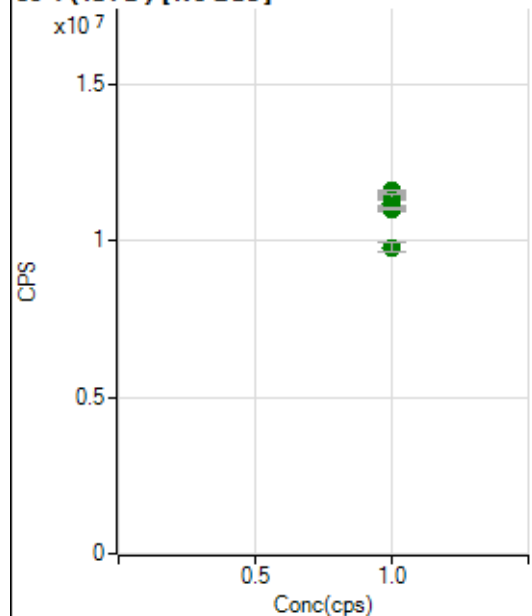
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1064559.80		A	1.7
2	☐	1.000		1071733.41		A	2.0
3	☐	1.000		1058015.50		A	1.9
4	☐	1.000		1050654.66		A	4.2
5	☐	1.000		1097391.28		A	0.7
6	☐	1.000		1050919.25		A	3.8
7	☐	1.000		1021706.63		A	1.8
8	☐	1.000		1014282.68		A	1.1
9	☐	1.000		956662.73		M	2.4

45 Sc (ISTD) [No Gas]

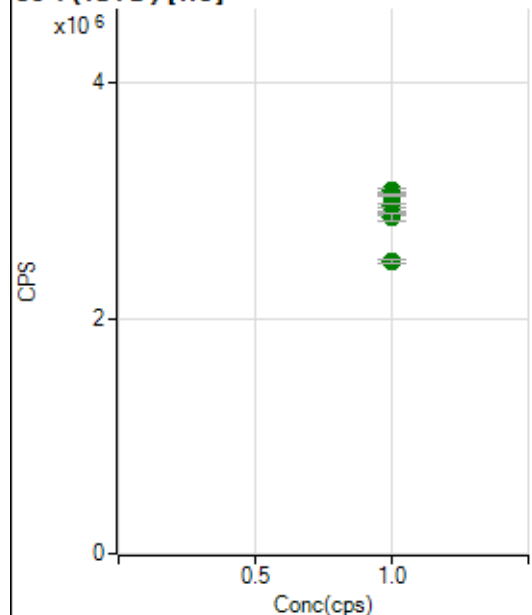
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3115176.66		A	0.6
2	☐	1.000		3163865.96		A	2.4
3	☐	1.000		3141957.42		A	0.9
4	☐	1.000		3051711.90		A	2.7
5	☐	1.000		3007366.93		A	0.8
6	☐	1.000		2977334.99		A	4.2
7	☐	1.000		2943668.67		A	1.0
8	☐	1.000		2870225.96		A	2.5
9	☐	1.000		2629133.80		A	2.2

45 Sc (ISTD) [He]

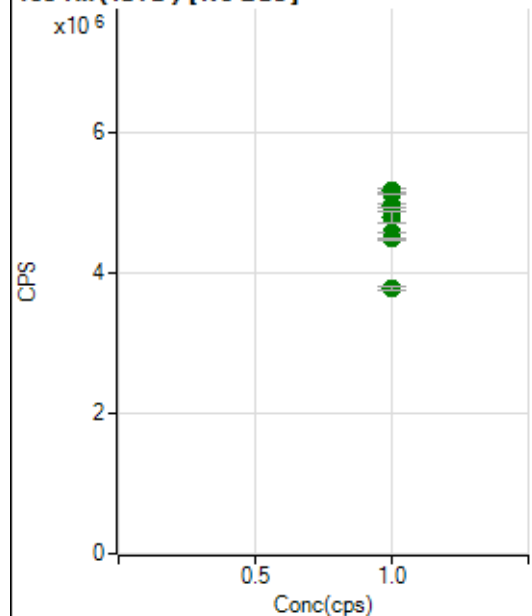
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		303780.46		P	0.5
2	☐	1.000		303733.88		P	0.6
3	☐	1.000		306537.40		P	0.5
4	☐	1.000		300712.85		P	0.6
5	☐	1.000		289960.42		P	0.5
6	☐	1.000		282681.84		P	0.3
7	☐	1.000		278572.58		P	0.7
8	☐	1.000		275896.62		P	1.8
9	☐	1.000		241767.13		P	1.5

89 Y (ISTD) [No Gas]

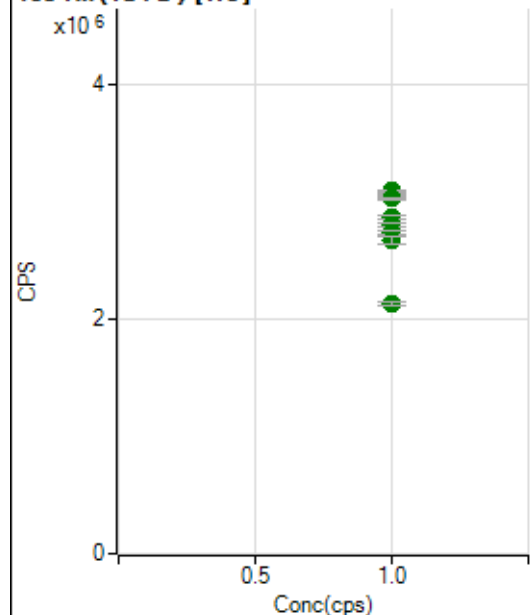
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11475086.36		A	0.5
2	☐	1.000		11513776.50		A	0.5
3	☐	1.000		11608018.44		A	0.7
4	☐	1.000		11226893.65		A	2.7
5	☐	1.000		11337633.30		A	0.2
6	☐	1.000		11219074.14		A	5.0
7	☐	1.000		11126343.17		A	0.6
8	☐	1.000		11038888.17		A	0.7
9	☐	1.000		9798170.20		A	3.1

89 Y (ISTD) [He]

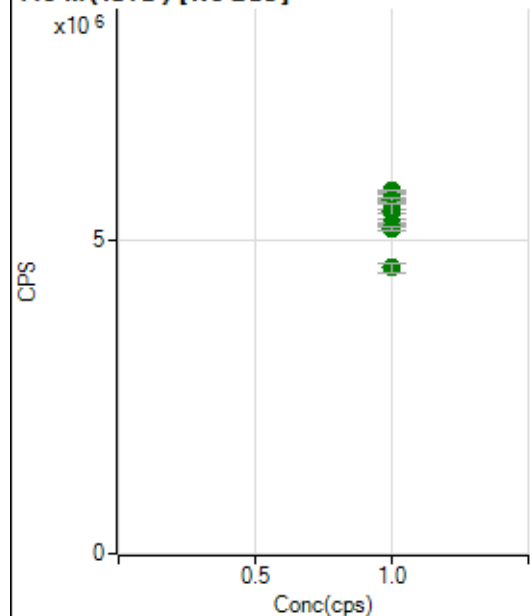
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3037774.40		A	0.3
2	☐	1.000		3065514.96		A	0.9
3	☐	1.000		3082795.13		A	1.0
4	☐	1.000		3048702.21		A	0.7
5	☐	1.000		2962839.50		A	1.3
6	☐	1.000		2891230.27		A	1.5
7	☐	1.000		2861500.86		A	2.5
8	☐	1.000		2858354.57		A	2.2
9	☐	1.000		2489967.43		A	1.2

103 Rh (ISTD) [No Gas]

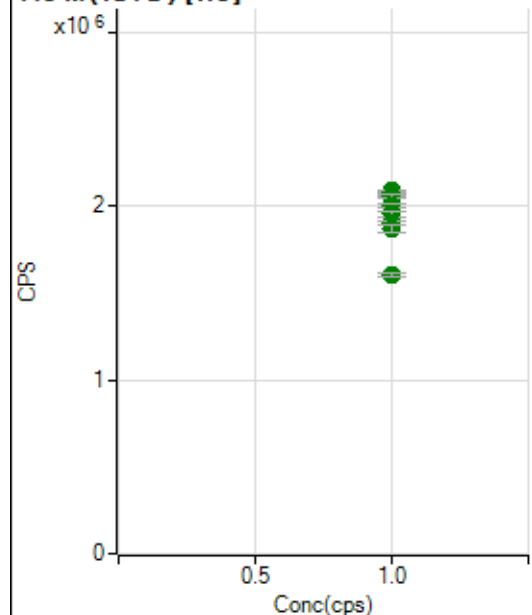
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5159393.71		A	1.0
2	☐	1.000		5138216.80		A	0.5
3	☐	1.000		5106577.46		A	0.1
4	☐	1.000		4948374.16		A	0.8
5	☐	1.000		4924553.95		A	0.3
6	☐	1.000		4787790.66		A	3.7
7	☐	1.000		4572507.68		A	0.3
8	☐	1.000		4481454.97		A	0.7
9	☐	1.000		3776906.26		A	1.6

103 Rh (ISTD) [He]

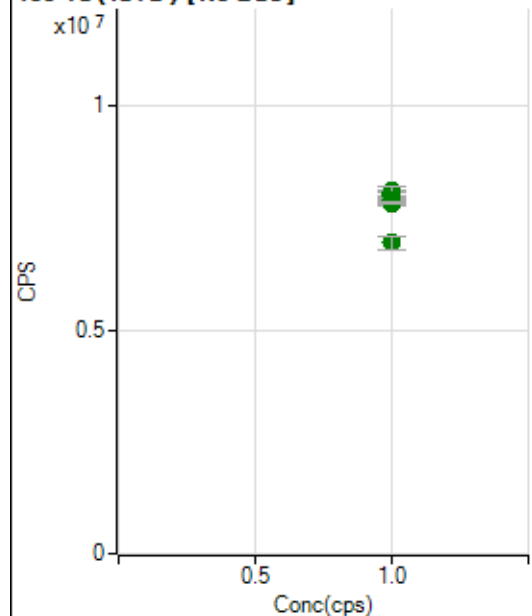
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3069807.63		A	0.5
2	☐	1.000		3069263.70		A	1.2
3	☐	1.000		3087621.73		A	0.7
4	☐	1.000		3021319.16		A	0.7
5	☐	1.000		2868034.30		A	1.1
6	☐	1.000		2797035.55		A	1.1
7	☐	1.000		2735727.53		A	1.0
8	☐	1.000		2671606.37		A	2.4
9	☐	1.000		2135043.21		A	1.6

115 In (ISTD) [No Gas]

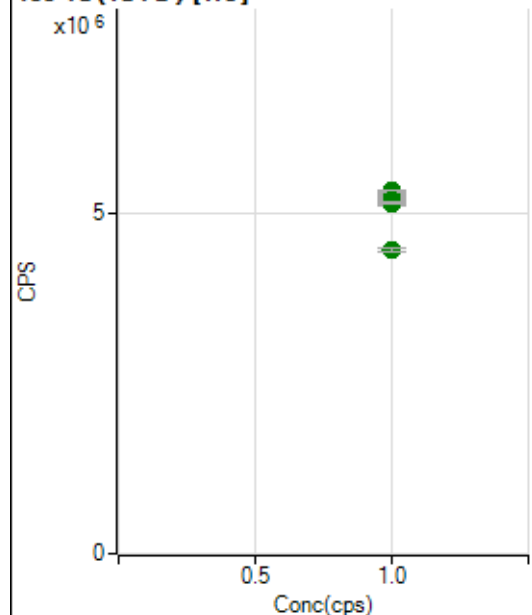
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5673663.98		A	1.7
2	☐	1.000		5774635.53		A	0.4
3	☐	1.000		5622255.88		A	1.0
4	☐	1.000		5491148.43		A	3.1
5	☐	1.000		5479649.30		A	0.4
6	☐	1.000		5448511.24		A	4.3
7	☐	1.000		5252865.55		A	0.7
8	☐	1.000		5174533.32		A	1.1
9	☐	1.000		4545338.83		A	4.0

115 In (ISTD) [He]

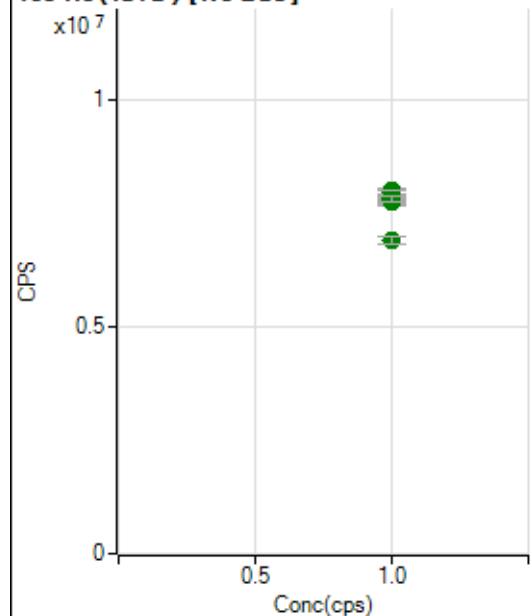
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2078081.67		A	1.7
2	☐	1.000		2089635.07		A	0.5
3	☐	1.000		2082388.86		A	0.7
4	☐	1.000		2062189.69		A	0.9
5	☐	1.000		2004993.69		A	1.4
6	☐	1.000		1956183.53		A	1.8
7	☐	1.000		1902322.80		A	0.9
8	☐	1.000		1871022.04		A	2.4
9	☐	1.000		1605734.57		A	0.9

159 Tb (ISTD) [No Gas]

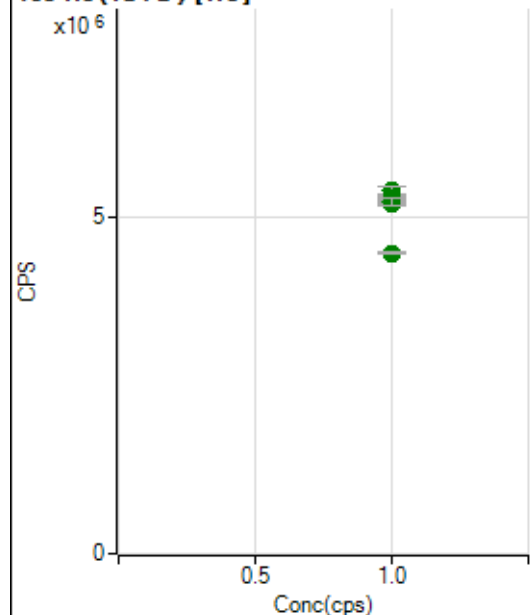
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8025721.55		A	1.1
2	☐	1.000		8098757.87		A	0.6
3	☐	1.000		7996085.23		A	1.5
4	☐	1.000		7820338.77		A	1.4
5	☐	1.000		7894902.17		A	0.8
6	☐	1.000		8063100.37		A	3.8
7	☐	1.000		7900065.92		A	1.0
8	☐	1.000		7842270.30		A	0.9
9	☐	1.000		6935046.98		A	3.9

159 Tb (ISTD) [He]

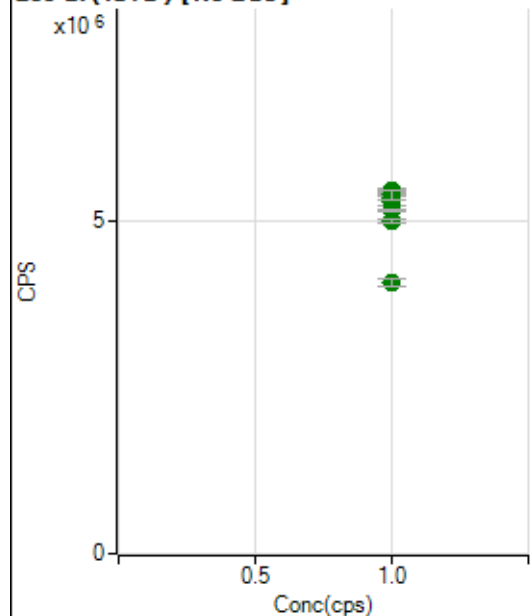
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5264576.31		A	0.8
2	☐	1.000		5251933.08		A	0.8
3	☐	1.000		5223911.59		A	0.7
4	☐	1.000		5340203.78		A	0.6
5	☐	1.000		5205791.76		A	0.5
6	☐	1.000		5188498.12		A	0.7
7	☐	1.000		5154073.64		A	1.3
8	☐	1.000		5158786.66		A	0.4
9	☐	1.000		4480467.50		A	1.5

165 Ho (ISTD) [No Gas]

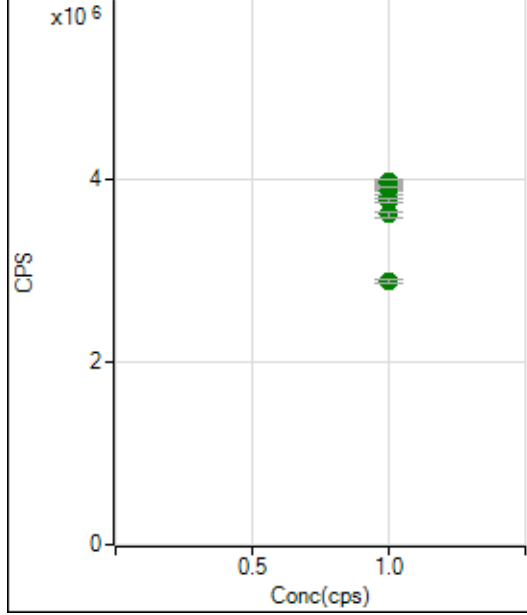
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7997773.42		A	1.6
2	☐	1.000		7885810.16		A	0.8
3	☐	1.000		7979479.32		A	1.1
4	☐	1.000		7795832.80		A	2.3
5	☐	1.000		7913076.69		A	0.4
6	☐	1.000		7839398.08		A	4.3
7	☐	1.000		7762205.79		A	0.6
8	☐	1.000		7814330.23		A	1.4
9	☐	1.000		6904021.15		A	2.8

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5295517.00		A	1.3
2	☐	1.000		5285642.39		A	1.4
3	☐	1.000		5402142.80		A	2.1
4	☐	1.000		5296482.84		A	0.5
5	☐	1.000		5258960.58		A	1.3
6	☐	1.000		5213679.64		A	0.1
7	☐	1.000		5269686.69		A	0.4
8	☐	1.000		5235582.98		A	2.2
9	☐	1.000		4477733.44		A	0.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5434956.52		A	0.4
2	☐	1.000		5451765.75		A	1.4
3	☐	1.000		5421234.57		A	0.6
4	☐	1.000		5300129.47		A	2.3
5	☐	1.000		5337667.42		A	1.1
6	☐	1.000		5398209.47		A	2.8
7	☐	1.000		5159065.79		A	1.0
8	☐	1.000		4989163.57		A	1.0
9	☐	1.000		4072159.04		A	2.7

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3965171.54		A	0.9
2	☐	1.000		3980794.45		A	1.0
3	☐	1.000		3974273.34		A	1.3
4	☐	1.000		3895923.10		A	0.9
5	☐	1.000		3872696.96		A	2.2
6	☐	1.000		3821339.87		A	1.1
7	☐	1.000		3767922.37		A	1.1
8	☐	1.000		3620531.75		A	1.6
9	☐	1.000		2887255.65		A	1.7

US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7042723 MS.b

Acq. Date-Time 2023-04-27 08:44:27

Report Comment ---

Instrument Name G8403A JP14410463

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		4604	46041.31			0.756	5.000
24		57210	572099.23			0.504	5.000
25		7827	78265.21			0.739	5.000
26		8894	88939.53			0.820	5.000
59		45947	459468.61			0.685	5.000
113		6232	62318.13			1.040	5.000
115		78044	780442.62			0.571	5.000
206		20813	208129.72			0.820	5.000
207		19451	194512.69			0.973	5.000
208		45256	452562.63			1.295	5.000
220		0	0.80			94.786	

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

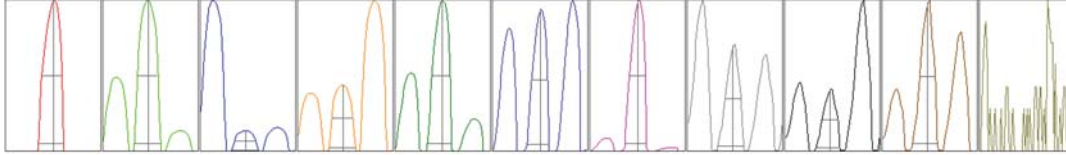
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	4613	4613	4569	4653	4572
24	56858	57414	57510	57315	56953
25	7745	7822	7906	7843	7817
26	8821	8881	8936	8997	8836
59	45425	46111	46192	46127	45879
113	6127	6226	6239	6271	6296
115	77505	78548	78013	77728	78428
206	20556	20758	20816	20977	20957
207	19206	19406	19438	19734	19473
208	44492	45051	45358	46115	45266

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	7852.57	9.05	8.90 - 9.10	
24	92329.46	23.95	23.90 - 24.10	
25	12233.03	24.95	24.90 - 25.10	
26	14024.25	25.95	25.90 - 26.10	
59	83791.43	59.00	58.90 - 59.10	
113	13020.40	113.05	112.90 - 113.10	
115	162208.91	115.05	114.90 - 115.10	
206	42717.39	205.95	205.90 - 206.10	
207	38987.89	206.95	206.90 - 207.10	
208	94202.80	207.95	207.90 - 208.10	
220	0.00	220.35	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.62	0.788	0.900	
24	0.65	0.830	0.900	
25	0.67	0.836	0.900	
26	0.67	0.833	0.900	
59	0.57	0.769	0.900	
113	0.50	0.694	0.900	
115	0.49	0.685	0.900	
206	0.50	0.814	0.900	
207	0.51	0.753	0.900	
208	0.48	0.779	0.900	
220	0.30	0.300		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.82 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	0.0 V	Omega Lens	9.0 V	Deflect	17.2 V
Extract 2	-90.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-55 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9999	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	-1.1 mm	Torch V	1.0 mm
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EM

Discriminator	3.2 mV	Analog HV	2278 V	Pulse HV	1562 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		16293	162927.46			0.379	
89		25176	251756.84			0.575	
205		19735	197347.63			0.298	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	16333	16373	16227	16291	16239
89	25213	24996	25307	25309	25053
205	19714	19813	19731	19763	19654

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.82 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	0.0 V	Omega Lens	9.2 V	Deflect	2.8 V
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US EPA Tune Check Report

Extract 2	-100.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-60 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9999	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	0.03		

Hardware Settings

Torch

Torch H	-1.1 mm	Torch V	1.0 mm
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EM

Discriminator	3.2 mV	Analog HV	2278 V	Pulse HV	1562 V
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