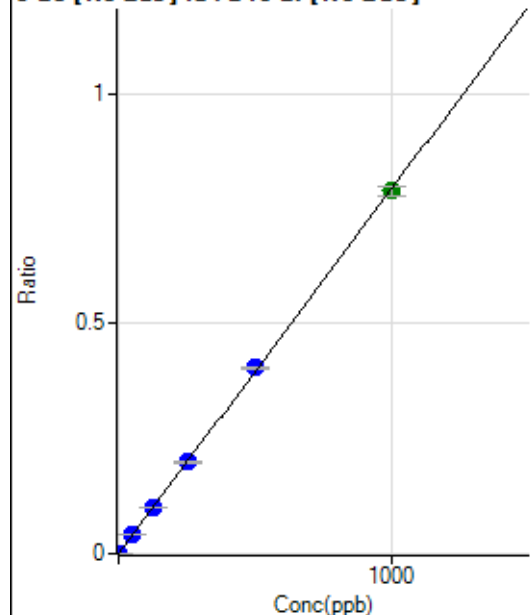


Calibration for 006CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7022522MS.b\
 Analysis File: P7022522MS.batch.bin
 DA Date-Time: 2022-02-25 19:44:08
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2022-02-25 13:14:22
2	004CALS.d	S01	2022-02-25 13:17:17
3	006CALS.d	S02	2022-02-25 13:23:08
4	007CALS.d	S03	2022-02-25 13:26:02
5	008CALS.d	S04	2022-02-25 13:28:52
6	009CALS.d	S05	2022-02-25 13:31:37
7	010CALS.d	S06	2022-02-25 13:34:24
8	011CALS.d	S07	2022-02-25 13:37:09
9	012CALS.d	S08	2022-02-25 13:39:57

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	51.11	0.0000	P	26.5
2	☐	0.100	0.105	195.56	0.0001	P	2.7
3	☐	1.000	0.977	1458.97	0.0008	P	2.8
4	☐	50.000	51.775	73668.87	0.0411	P	0.7
5	☐	125.000	128.181	183631.51	0.1017	P	1.1
6	☐	250.000	250.635	351848.96	0.1988	P	1.3
7	☐	500.000	508.921	675362.54	0.4037	P	0.2
8	☐	1000.000	994.895	1333098.97	0.7891	A	2.7
9	☐			476.68	0.0003	P	11.6

$$y = 7.9312\text{E-}004 * x + 2.9123\text{E-}005$$

$$R = 0.9999$$

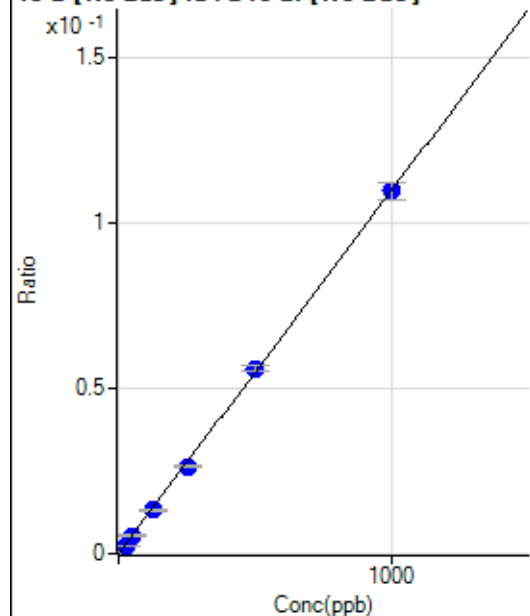
$$DL = 0.02917$$

$$BEC = 0.03672$$

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	86.11	0.0000	P	29.4
2	☐	2.500	2.171	500.02	0.0003	P	13.9
3	☐	25.000	21.114	4295.14	0.0024	P	5.9
4	☐	50.000	49.873	9895.04	0.0055	P	4.3
5	☐	125.000	119.247	23715.81	0.0131	P	2.6
6	☐	250.000	238.516	46397.72	0.0262	P	1.8
7	☐	500.000	508.723	93445.32	0.0559	P	3.1
8	☐	1000.000	999.333	185250.96	0.1097	P	4.6
9	☐			5148.21	0.0032	P	7.1

$$y = 1.0970\text{E-}004 * x + 4.9040\text{E-}005$$

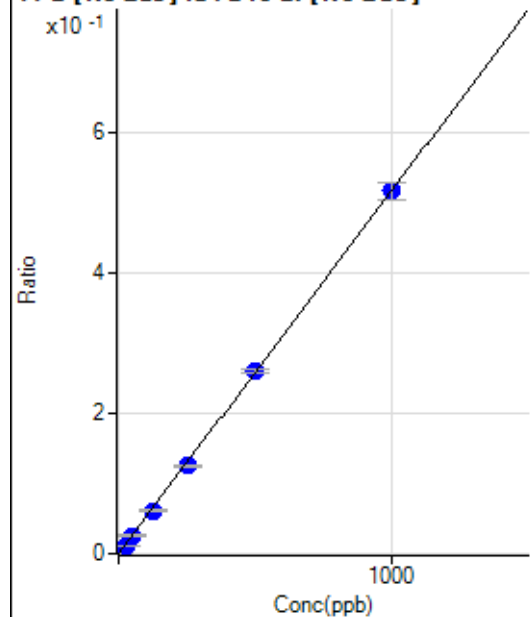
$$R = 0.9999$$

$$DL = 0.395$$

$$BEC = 0.447$$

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	361.12	0.0002	P	24.5
2	☐	2.500	1.961	2122.42	0.0012	P	3.5
3	☐	25.000	20.168	19267.88	0.0106	P	2.5
4	☐	50.000	49.459	46113.63	0.0257	P	4.9
5	☐	125.000	118.140	110476.04	0.0612	P	2.7
6	☐	250.000	241.867	221305.44	0.1250	P	3.3
7	☐	500.000	505.500	436774.80	0.2611	P	2.1
8	☐	1000.000	1000.290	872198.34	0.5164	P	4.8
9	☐			23676.92	0.0145	P	9.1

$$y = 5.1603\text{E-}004 * x + 2.0568\text{E-}004$$

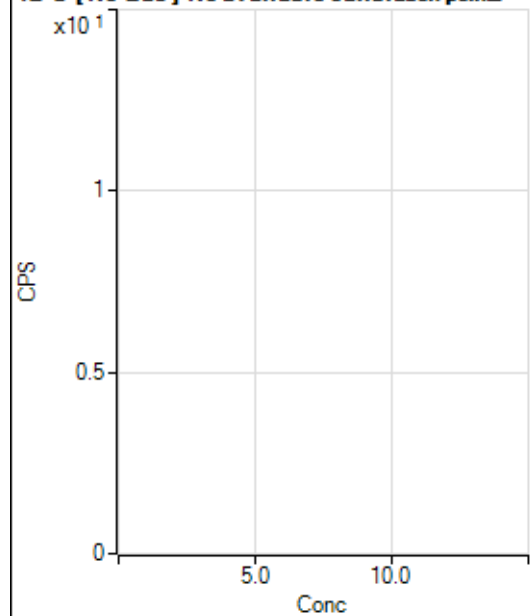
$$R = 0.9999$$

$$DL = 0.2931$$

$$BEC = 0.3986$$

Weight: <None>

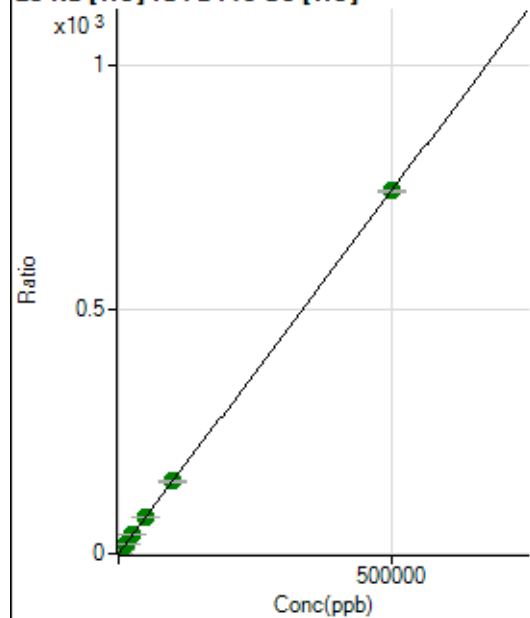
Min Conc: 0

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	24427.00	0.0724	P	2.4
2	☐	50.000	50.093	49873.41	0.1469	P	1.7
3	☐	500.000	487.916	271624.47	0.7981	P	1.7
4	☐	5000.000	5243.801	2672362.10	7.8723	A	1.5
5	☐	12500.000	13096.488	6445630.47	19.5529	A	1.9
6	☐	25000.000	25819.320	12355525.27	38.4776	A	0.2
7	☐	50000.000	50823.580	23899036.64	75.6704	A	0.9
8	☐	100000.00	99550.943	47489254.30	148.1505	A	0.7
9	☐	500000.00	499949.14	235066507.1	743.7269	A	0.6

$$y = 0.0015 * x + 0.0724$$

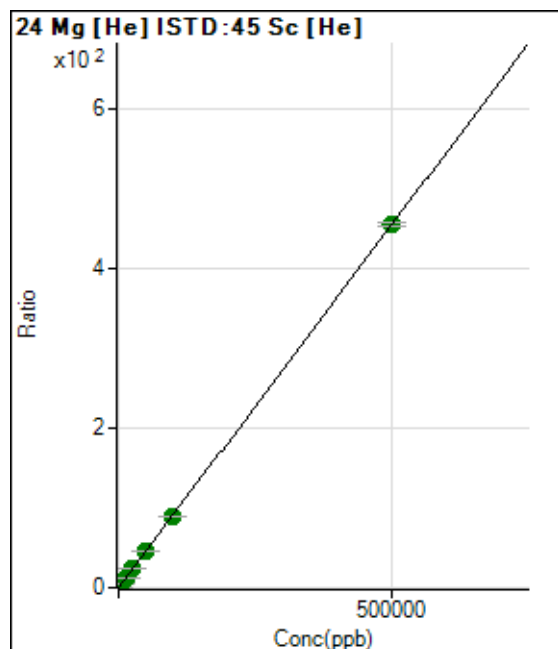
$$R = 1.0000$$

$$DL = 3.483$$

$$BEC = 48.66$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	800.04	0.0024	P	6.3
2	☐	50.000	49.375	16023.41	0.0472	P	2.4
3	☐	500.000	486.575	151153.62	0.4441	P	1.1
4	☐	5000.000	5189.744	1600267.12	4.7142	A	0.9
5	☐	12500.000	12973.851	3884161.54	11.7815	A	0.7
6	☐	25000.000	25671.803	7485029.62	23.3102	A	0.6
7	☐	50000.000	50522.025	14487465.37	45.8721	A	0.7
8	☐	100000.00	98523.078	28674707.12	89.4531	A	0.5
9	☐	500000.00	500195.86	143536027.2	454.1383	A	0.9

$$y = 9.0792\text{E-}004 * x + 0.0024$$

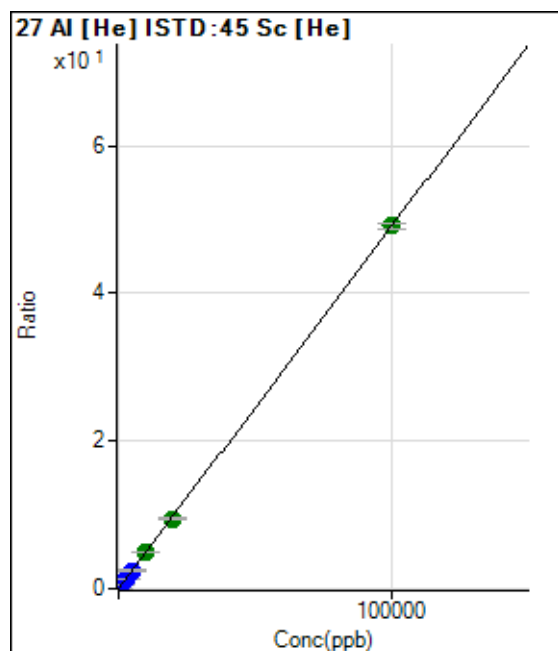
R = 1.0000

DL = 0.4949

BEC = 2.611

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	153.71	0.0005	P	14.7
2	☒	2.000					
3	☐	20.000	21.091	3678.27	0.0108	P	0.3
4	☐	1000.000	1136.641	189528.92	0.5583	P	0.3
5	☐	2500.000	2803.035	453692.04	1.3762	P	1.3
6	☐	5000.000	5024.425	791980.51	2.4664	P	0.9
7	☐	10000.000	9913.517	1536771.37	4.8660	A	1.2
8	☐	20000.000	19301.150	3036704.06	9.4735	A	0.8
9	☐	100000.00	100138.25	15533103.70	49.1484	A	1.7

$$y = 4.9080\text{E-}004 * x + 4.5549\text{E-}004$$

R = 1.0000

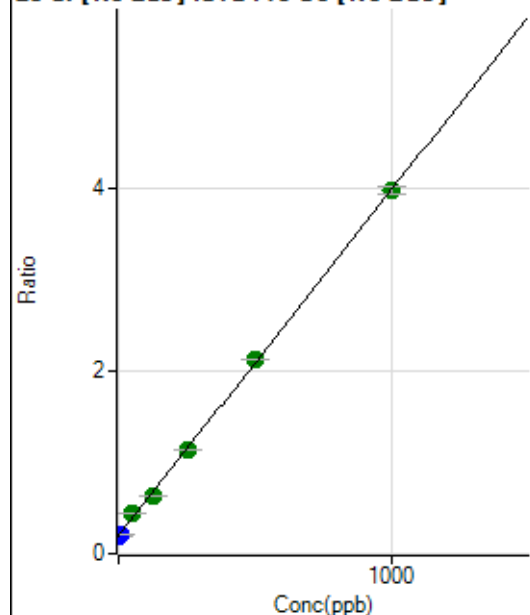
DL = 0.4085

BEC = 0.9281

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	683461.16	0.1978	P	3.6
2	☐	1.000	0.586	684825.30	0.2000	P	1.0
3	☐	10.000	1.990	718428.39	0.2053	P	0.5
4	☐	50.000	64.958	1510596.77	0.4439	A	2.4
5	☐	125.000	116.974	2217805.91	0.6410	A	0.1
6	☐	250.000	246.978	3850880.30	1.1336	A	0.8
7	☐	500.000	508.880	6997672.99	2.1260	A	0.7
8	☐	1000.000	996.651	13342863.84	3.9743	A	2.1
9	☐			861556.20	0.2625	P	3.0

$$y = 0.0038 * x + 0.1978$$

$$R = 0.9997$$

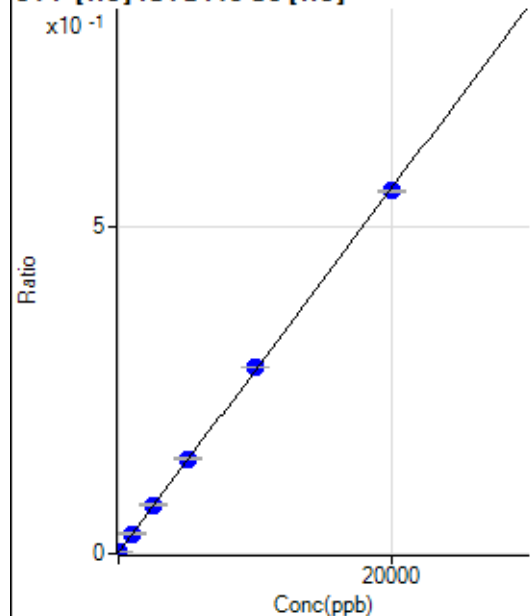
$$DL = 5.672$$

$$BEC = 52.2$$

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	-11.368	527.81	0.0016	P	2.9
2	☐	0.000	-6.966	572.25	0.0017	P	14.4
3	☐	0.000	18.334	813.93	0.0024	P	6.8
4	☐	1000.000	1038.674	10473.27	0.0309	P	1.2
5	☐	2500.000	2621.802	24731.67	0.0750	P	1.7
6	☐	5000.000	5139.927	46641.23	0.1453	P	1.0
7	☐	10000.000	10172.935	90213.01	0.2856	P	0.0
8	☐	20000.000	19861.392	178187.20	0.5559	P	0.5
9	☐			561.14	0.0018	P	22.0

$$y = 2.7893E-005 * x + 0.0019$$

$$R = 0.9999$$

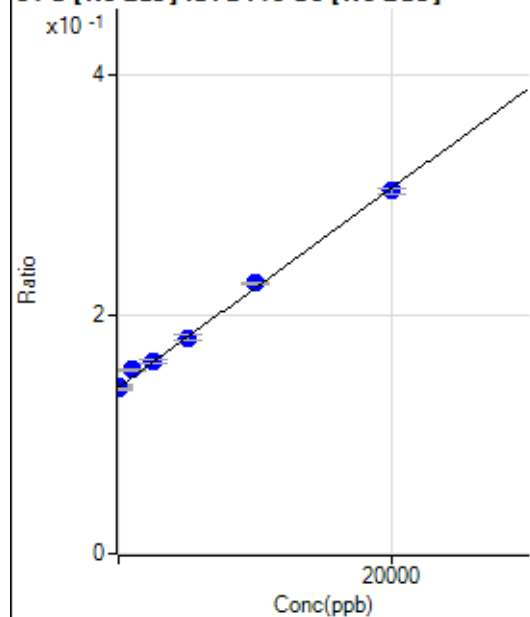
$$DL = 16.12$$

$$BEC = 67.44$$

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	-16.662	480329.00	0.1390	P	4.0
2	☐	0.000	180.014	481558.79	0.1407	P	1.9
3	☐	0.000	-163.353	482133.28	0.1378	P	0.7
4	☐	1000.000	1746.302	523102.02	0.1537	P	1.2
5	☐	2500.000	2580.576	555798.88	0.1607	P	1.5
6	☐	5000.000	5012.645	614474.35	0.1809	P	2.4
7	☐	10000.000	10459.402	744864.82	0.2263	P	0.9
8	☐	20000.000	19719.751	1018918.15	0.3035	P	1.4
9	☐			408631.45	0.1245	P	1.9

$$y = 8.3329\text{E-}006 * x + 0.1392$$

$$R = 0.9989$$

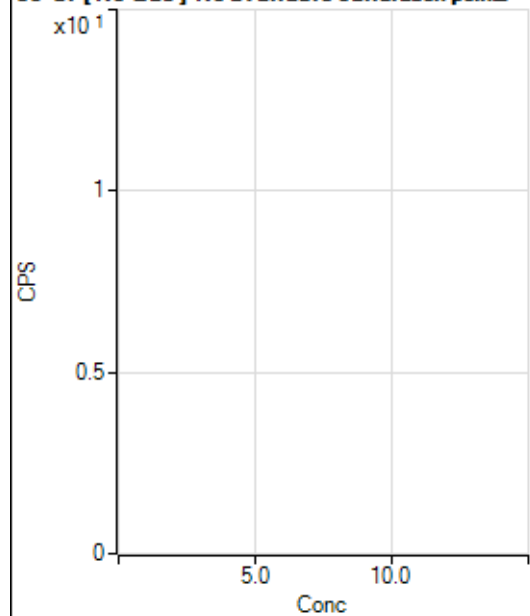
$$DL = 1110$$

$$BEC = 1.67\text{E}+04$$

Weight: <None>

Min Conc: 0

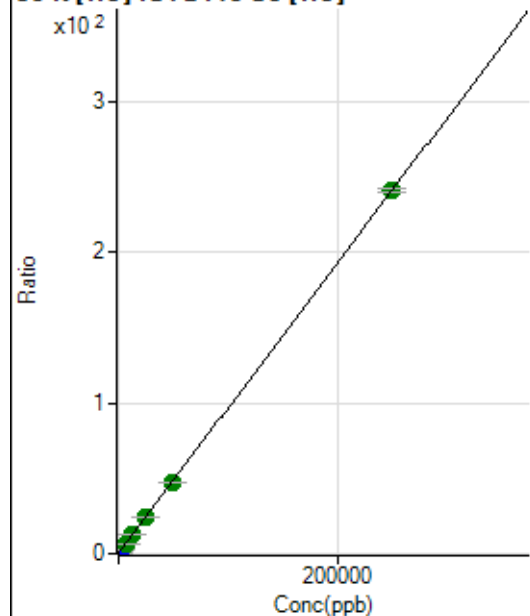
35 Cl [No Gas] No available calibration points



	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	125045.20	0.3705	P	0.6
2	☐	50.000	57.725	144629.97	0.4260	P	0.6
3	☐	500.000	502.891	290507.17	0.8535	P	0.4
4	☐	2500.000	2698.094	1005362.02	2.9617	P	0.7
5	☐	6250.000	6275.357	2108815.30	6.3972	A	1.9
6	☐	12500.000	12317.820	3917578.99	12.2002	A	0.8
7	☐	25000.000	24403.872	7519292.70	23.8072	A	1.0
8	☐	50000.000	48858.369	15159361.28	47.2925	A	1.1
9	☐	250000.00	250294.42	76088231.56	240.7450	A	0.9

$$y = 9.6037E-004 * x + 0.3705$$

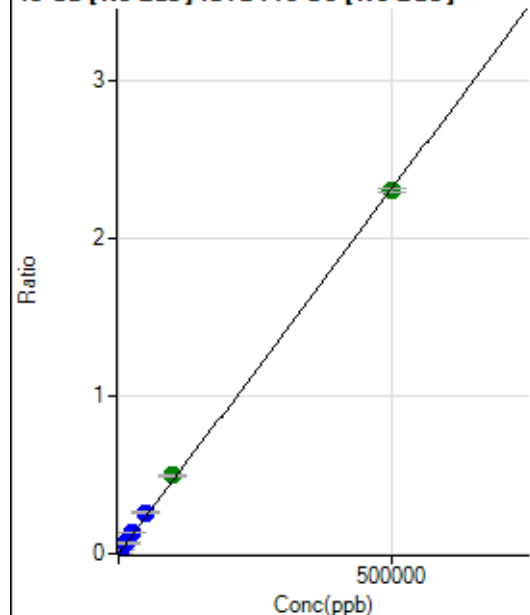
$$R = 1.0000$$

$$DL = 7.161$$

$$BEC = 385.8$$

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	166.67	0.0000	P	11.1
2	☐	50.000	54.133	1022.29	0.0003	P	16.1
3	☐	500.000	500.361	8246.88	0.0024	P	0.6
4	☐	5000.000	5765.981	90682.25	0.0267	P	3.0
5	☐	12500.000	14506.992	231731.58	0.0670	P	1.7
6	☐	25000.000	28164.225	441574.65	0.1300	P	0.9
7	☐	50000.000	56574.372	859317.16	0.2611	P	1.2
8	☐	100000.00	107056.15	1658599.95	0.4940	A	1.6
9	☐	500000.00	497715.28	7537398.34	2.2964	A	1.2

$$y = 4.6138\text{E-}006 * x + 4.8290\text{E-}005$$

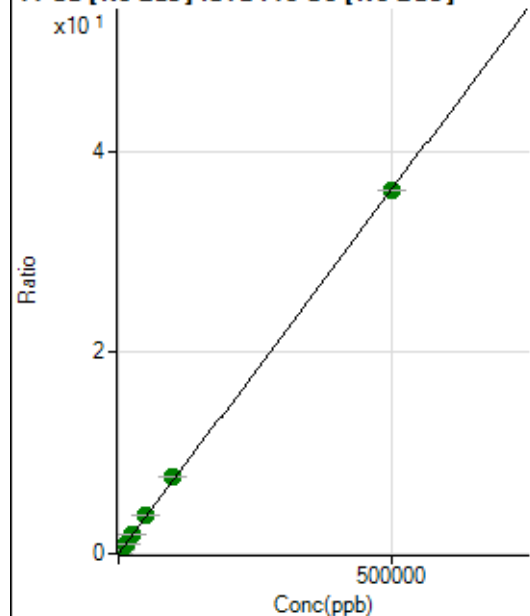
$$R = 0.9998$$

$$DL = 3.474$$

$$BEC = 10.47$$

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	10201.01	0.0030	P	2.6
2	☐	50.000	51.744	22920.66	0.0067	P	3.9
3	☐	500.000	517.503	141379.07	0.0404	P	1.1
4	☐	5000.000	5401.971	1340483.13	0.3939	A	2.0
5	☐	12500.000	13627.562	3422544.22	0.9892	A	0.5
6	☐	25000.000	26314.562	6479676.84	1.9075	A	1.2
7	☐	50000.000	52779.834	12582403.84	3.8229	A	1.7
8	☐	100000.00	106057.36	25783581.13	7.6788	A	0.6
9	☐	500000.00	498412.59	118408410.9	36.0753	A	0.1

$$y = 7.2375\text{E-}005 * x + 0.0030$$

$$R = 0.9999$$

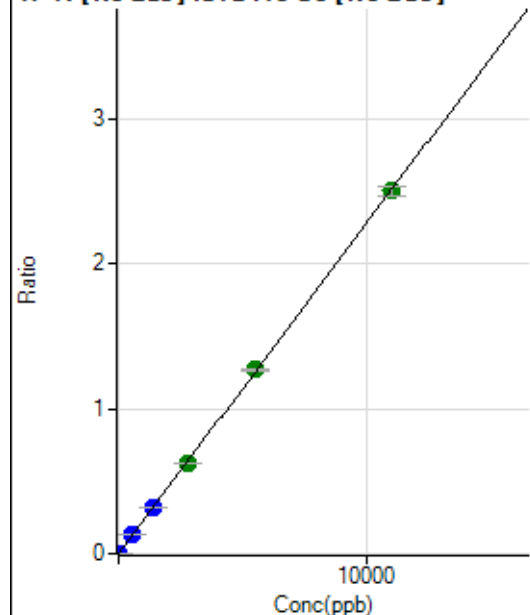
$$DL = 3.197$$

$$BEC = 40.77$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	66.67	0.0000	P	24.4
2	☐	0.500	0.492	450.02	0.0001	P	10.8
3	☐	5.000	4.798	3895.05	0.0011	P	1.7
4	☐	550.000	573.021	444610.56	0.1307	P	2.7
5	☐	1375.000	1412.075	1113922.21	0.3220	P	0.4
6	☐	2750.000	2743.207	2124790.35	0.6255	A	0.1
7	☐	5500.000	5554.283	4168191.02	1.2664	A	0.9
8	☐	11000.000	10968.771	8396390.64	2.5008	A	2.5
9	☐			983.39	0.0003	P	3.7

$$y = 2.2799\text{E-}004 * x + 1.9282\text{E-}005$$

$$R = 1.0000$$

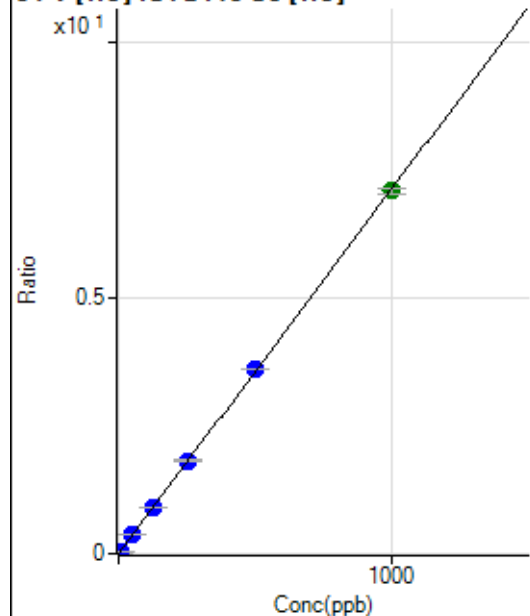
$$DL = 0.06198$$

$$BEC = 0.08457$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	10.00	0.0000	P	33.1
2	☐	0.500	0.462	1128.94	0.0033	P	4.1
3	☐	5.000	4.810	11674.59	0.0343	P	1.1
4	☐	50.000	50.502	122146.09	0.3598	P	0.4
5	☐	125.000	127.716	299970.52	0.9099	P	1.0
6	☐	250.000	254.930	583193.71	1.8162	P	1.0
7	☐	500.000	505.654	1137756.32	3.6025	P	0.5
8	☐	1000.000	995.577	2273531.29	7.0928	A	1.9
9	☐			362.23	0.0011	P	4.1

$$y = 0.0071 * x + 2.9620\text{E-}005$$

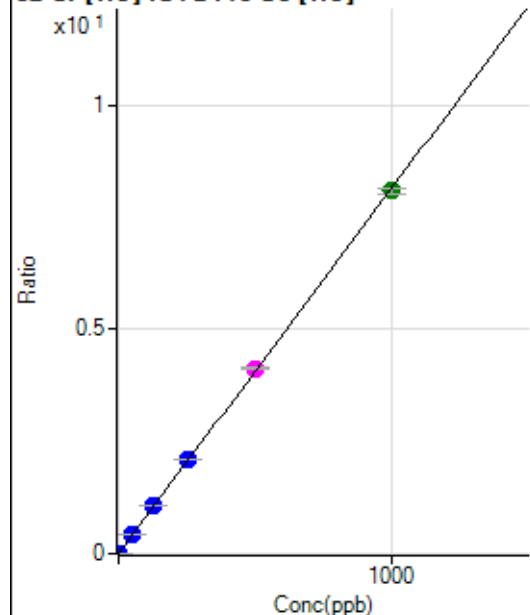
$$R = 1.0000$$

$$DL = 0.004123$$

$$BEC = 0.004158$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1227.84	0.0036	P	7.3
2	☐	0.200	0.166	1694.55	0.0050	P	4.1
3	☐	2.000	1.909	6523.69	0.0192	P	1.4
4	☐	50.000	51.578	143616.51	0.4231	P	1.2
5	☐	125.000	130.751	351730.25	1.0669	P	1.6
6	☐	250.000	257.825	674431.12	2.1003	P	0.6
7	☐	500.000	507.141	1303644.11	4.1278	M	0.6
8	☐	1000.000	993.676	2591368.92	8.0843	A	1.5
9	☐			5910.10	0.0187	P	3.3

$$y = 0.0081 * x + 0.0036$$

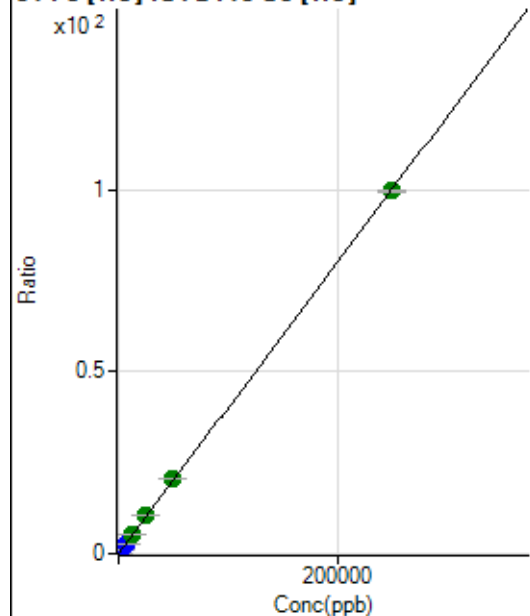
$$R = 0.9999$$

$$DL = 0.09742$$

$$BEC = 0.4475$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1521.64	0.0045	P	11.3
2	☐	5.000	6.172	2369.30	0.0070	P	5.8
3	☐	50.000	55.525	9095.42	0.0267	P	2.3
4	☐	2500.000	2772.441	378017.42	1.1136	P	0.1
5	☐	6250.000	6981.662	922247.40	2.7974	P	0.3
6	☐	12500.000	13366.328	1718406.75	5.3514	A	0.4
7	☐	25000.000	26473.205	3346083.26	10.5945	A	0.7
8	☐	50000.000	51638.854	6623091.25	20.6615	A	1.3
9	☐	250000.00	249460.57	31541461.81	99.7957	A	0.5

$$y = 4.0003E-004 * x + 0.0045$$

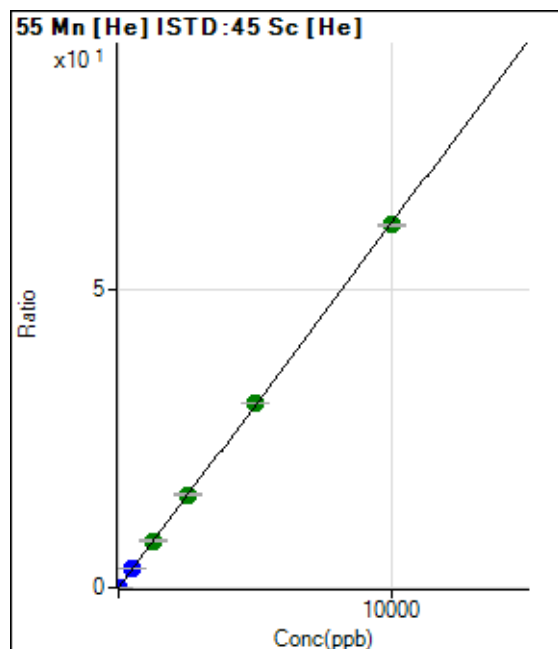
$$R = 1.0000$$

$$DL = 3.827$$

$$BEC = 11.27$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	172.23	0.0005	P	14.9
2	☒	0.100					
3	☐	1.000	0.994	2246.85	0.0066	P	4.8
4	☐	500.000	516.318	1073926.99	3.1636	P	0.4
5	☐	1250.000	1278.473	2582084.60	7.8328	A	2.1
6	☐	2500.000	2555.547	5027409.34	15.6564	A	0.5
7	☐	5000.000	5065.654	9801480.76	31.0340	A	0.7
8	☐	10000.000	9948.911	19537586.51	60.9501	A	0.3
9	☐			10251.35	0.0324	P	3.3

$$y = 0.0061 * x + 5.1053E-004$$

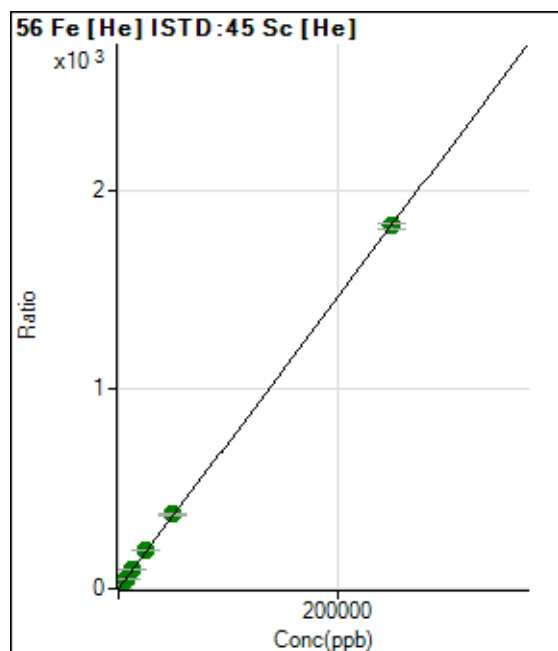
$$R = 0.9999$$

$$DL = 0.03716$$

$$BEC = 0.08333$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12079.09	0.0358	P	2.3
2	☐	5.000	5.133	24868.93	0.0732	P	1.1
3	☐	50.000	50.392	137304.63	0.4034	P	0.8
4	☐	2500.000	2575.413	6390452.40	18.8246	A	0.5
5	☐	6250.000	6519.579	15690859.15	47.5990	A	1.9
6	☐	12500.000	13063.939	30614873.60	95.3430	A	0.8
7	☐	25000.000	25913.862	59720164.30	189.0889	A	0.2
8	☐	50000.000	51033.766	119356017.4	372.3498	A	0.9
9	☐	250000.00	249666.17	575671309.1	1,821.461	A	1.2

$$y = 0.0073 * x + 0.0358$$

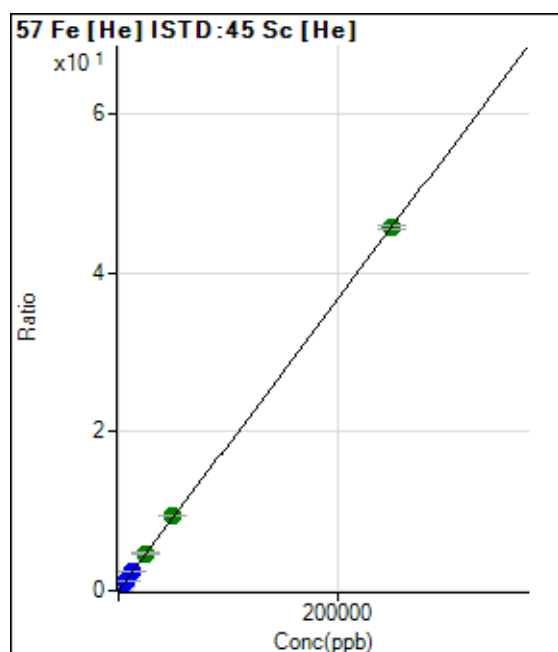
$$R = 1.0000$$

$$DL = 0.3387$$

$$BEC = 4.906$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1155.62	0.0034	P	12.6
2	☐	5.000	5.823	1524.17	0.0045	P	5.4
3	☐	50.000	51.948	4398.87	0.0129	P	3.6
4	☐	2500.000	2652.132	165716.67	0.4882	P	0.4
5	☐	6250.000	6698.855	404785.19	1.2278	P	0.6
6	☐	12500.000	13411.428	788224.85	2.4547	P	0.8
7	☐	25000.000	25639.883	1481173.01	4.6898	A	1.3
8	☐	50000.000	51108.586	2995535.69	9.3449	A	0.6
9	☐	250000.00	249655.98	14423129.61	45.6348	A	0.9

$$y = 1.8278E-004 * x + 0.0034$$

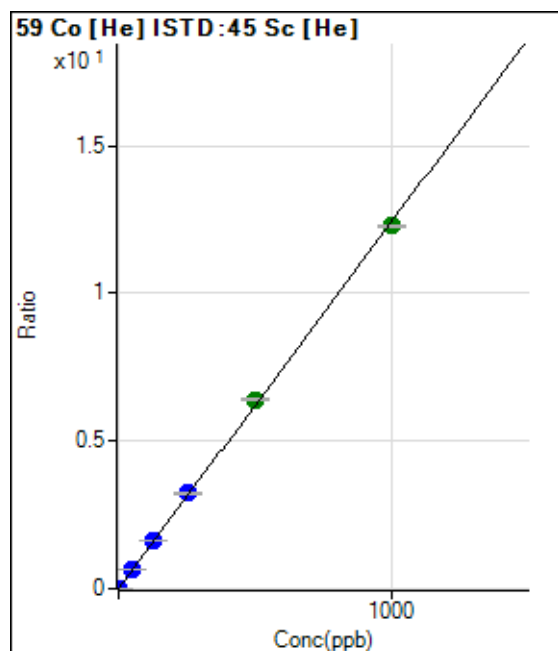
R = 1.0000

DL = 7.089

BEC = 18.74

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	65.56	0.0002	P	8.2
2	☐	0.100	0.090	446.68	0.0013	P	6.2
3	☐	1.000	1.020	4374.01	0.0129	P	4.8
4	☐	50.000	51.429	216863.08	0.6389	P	0.8
5	☐	125.000	129.379	529715.50	1.6069	P	1.4
6	☐	250.000	259.603	1035255.86	3.2240	P	0.4
7	☐	500.000	515.902	2023483.06	6.4068	A	0.7
8	☐	1000.000	989.030	3937048.59	12.2823	A	0.7
9	☐			10358.08	0.0328	P	4.4

$$y = 0.0124 * x + 1.9430E-004$$

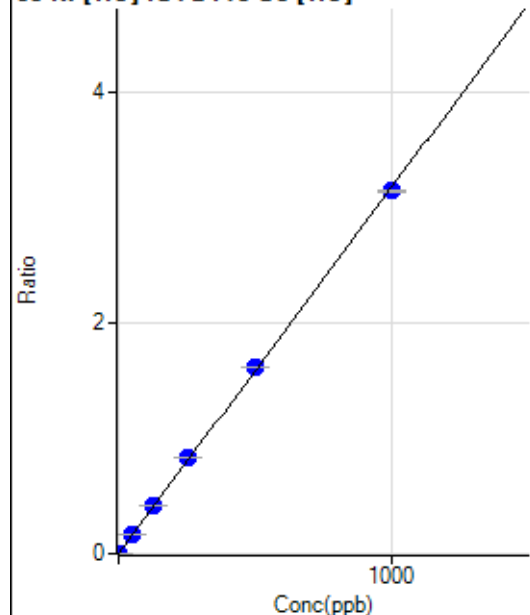
R = 0.9998

DL = 0.003852

BEC = 0.01565

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	150.01	0.0004	P	7.6
2	☒	0.100					
3	☐	1.000	0.988	1218.95	0.0036	P	1.6
4	☐	50.000	52.656	56877.39	0.1676	P	0.4
5	☐	125.000	131.352	137569.88	0.4173	P	1.1
6	☐	250.000	262.248	267384.72	0.8327	P	0.8
7	☐	500.000	510.631	511948.75	1.6210	P	0.3
8	☐	1000.000	990.696	1007973.19	3.1445	P	0.4
9	☐			3008.11	0.0095	P	3.3

$$y = 0.0032 * x + 4.4449E-004$$

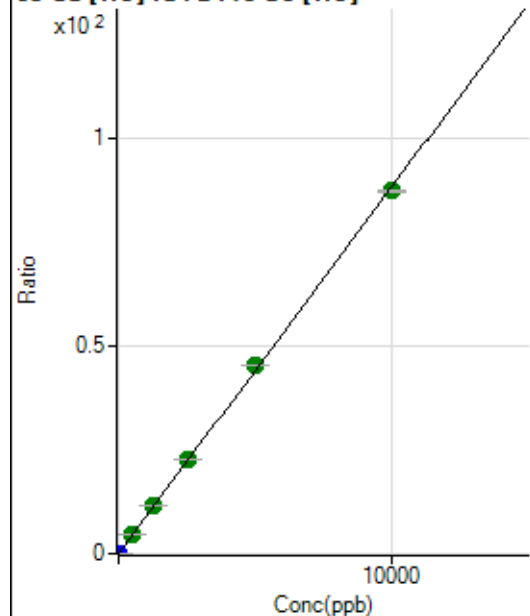
$$R = 0.9998$$

$$DL = 0.03212$$

$$BEC = 0.1401$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1910.14	0.0057	P	2.9
2	☐	0.200	0.171	2433.56	0.0072	P	4.2
3	☐	2.000	2.005	7949.95	0.0234	P	1.4
4	☐	500.000	514.815	1544721.00	4.5503	A	0.8
5	☐	1250.000	1320.642	3845000.50	11.6639	A	2.0
6	☐	2500.000	2572.994	7295120.86	22.7193	A	1.4
7	☐	5000.000	5139.469	14331187.56	45.3753	A	0.6
8	☐	10000.000	9902.446	28023280.69	87.4214	A	0.2
9	☐			8644.79	0.0274	P	4.4

$$y = 0.0088 * x + 0.0057$$

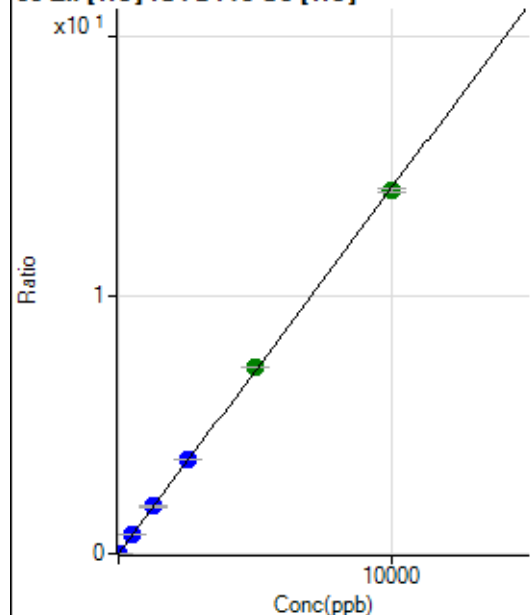
$$R = 0.9998$$

$$DL = 0.05658$$

$$BEC = 0.6411$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	382.23	0.0011	P	13.0
2	☐	0.200					
3	☐	2.000	2.062	1377.86	0.0040	P	2.4
4	☐	500.000	513.168	246606.07	0.7265	P	0.9
5	☐	1250.000	1294.530	603547.27	1.8309	P	2.1
6	☐	2500.000	2573.710	1168488.16	3.6390	P	0.9
7	☐	5000.000	5102.277	2278094.20	7.2130	A	0.4
8	☐	10000.000	9924.209	4496878.96	14.0287	A	1.2
9	☐			5513.30	0.0174	P	2.5

$$y = 0.0014 * x + 0.0011$$

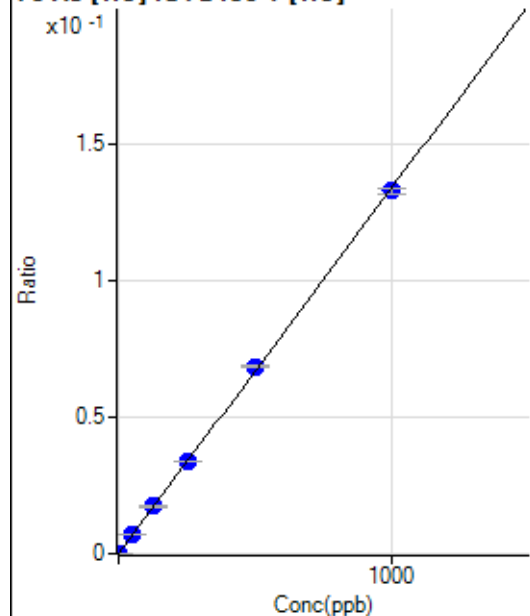
$$R = 0.9999$$

$$DL = 0.3114$$

$$BEC = 0.8012$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1.85	0.0000	P	100.0
2	☒	0.100					
3	☐	1.000	1.018	348.15	0.0001	P	9.7
4	☐	50.000	50.294	17197.61	0.0067	P	0.4
5	☐	125.000	129.552	42538.93	0.0174	P	2.2
6	☐	250.000	253.294	83299.31	0.0339	P	1.0
7	☐	500.000	511.637	163754.75	0.0685	P	1.3
8	☐	1000.000	992.774	327967.24	0.1330	P	1.9
9	☐			138.89	0.0001	P	7.6

$$y = 1.3395E-004 * x + 7.4101E-007$$

$$R = 0.9999$$

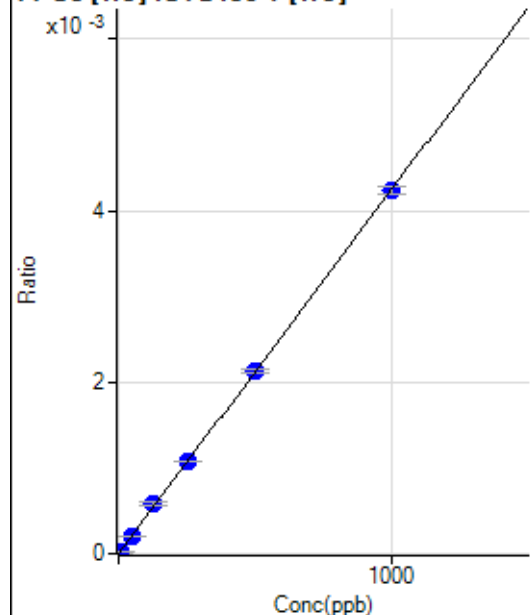
$$DL = 0.0166$$

$$BEC = 0.005532$$

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	1.11	0.0000	P	173.2
2	☐	0.500	0.519	6.67	0.0000	P	49.1
3	☐	5.000	4.851	53.33	0.0000	P	25.5
4	☐	50.000	47.904	520.01	0.0002	P	8.0
5	☐	125.000	136.964	1426.75	0.0006	P	6.0
6	☐	250.000	253.656	2644.71	0.0011	P	0.6
7	☐	500.000	502.074	5093.14	0.0021	P	2.7
8	☐	1000.000	996.659	10434.88	0.0042	P	2.2
9	☐			3.33	0.0000	P	100.3

$$y = 4.2449\text{E-}006 * x + 4.4448\text{E-}007$$

$$R = 0.9999$$

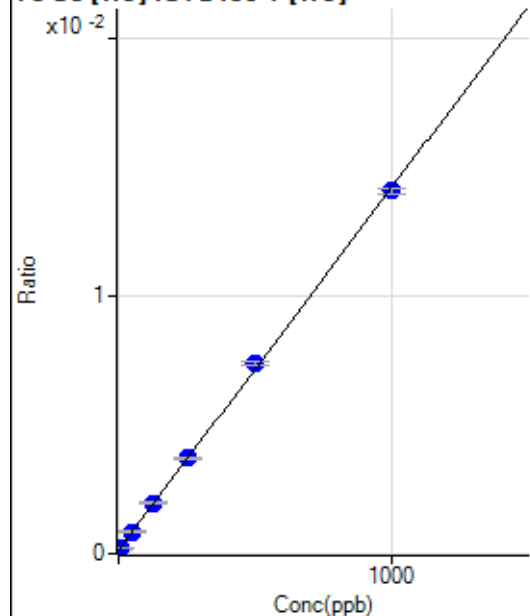
$$DL = 0.5441$$

$$BEC = 0.1047$$

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	339.51	0.0001	P	1.2
2	☐	0.500	0.298	350.01	0.0001	P	4.4
3	☐	5.000	5.223	529.64	0.0002	P	3.1
4	☐	50.000	51.075	2181.65	0.0009	P	2.3
5	☐	125.000	129.213	4794.01	0.0020	P	2.9
6	☐	250.000	253.180	9091.09	0.0037	P	0.9
7	☐	500.000	514.441	17642.60	0.0074	P	2.1
8	☐	1000.000	991.403	34787.57	0.0141	P	1.6
9	☐			315.44	0.0001	P	1.2

$$y = 1.4091\text{E-}005 * x + 1.3511\text{E-}004$$

$$R = 0.9998$$

$$DL = 0.3582$$

$$BEC = 9.589$$

Weight: <None>

Min Conc: 0

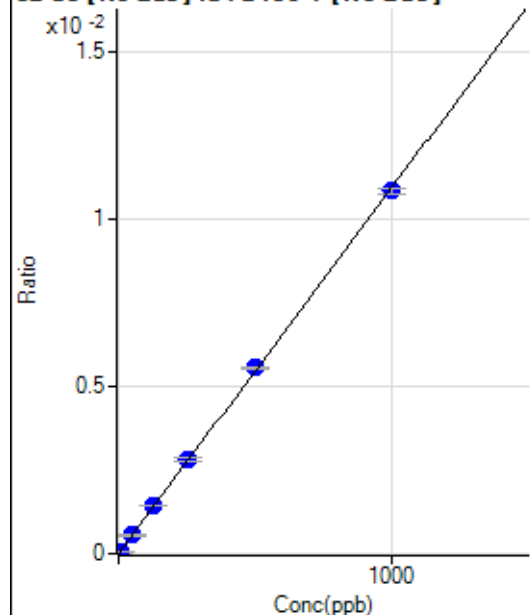
81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			14326.75		P	2.7
2	☐			14120.98		P	2.1
3	☐			14640.98		P	3.8
4	☐			14596.46		P	1.5
5	☐			14204.38		P	4.5
6	☐			14054.26		P	2.0
7	☐			14118.23		P	5.6
8	☐			14329.52		P	3.0
9	☐			14179.33		P	2.4

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			43.38		P	35.3
2	☐			43.38		P	35.3
3	☐			26.69		P	43.3
4	☐			60.06		P	16.7
5	☐			53.39		P	10.8
6	☐			76.74		P	30.1
7	☐			50.05		P	52.9
8	☐			63.40		P	55.5
9	☐			63.40		P	55.5

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	-64.88	0.0000	P	-193.
2	☒	0.500					
3	☐	5.000	5.393	447.98	0.0001	P	83.4
4	☐	50.000	51.592	4793.51	0.0006	P	6.8
5	☐	125.000	130.237	12277.30	0.0014	P	1.9
6	☐	250.000	258.832	24244.93	0.0028	P	3.5
7	☐	500.000	509.059	46608.66	0.0055	P	1.4
8	☐	1000.000	992.526	92576.08	0.0108	P	1.8
9	☐			62.42	0.0000	P	113.7

$$y = 1.0916E-005 * x - 7.9539E-006$$

$$R = 0.9999$$

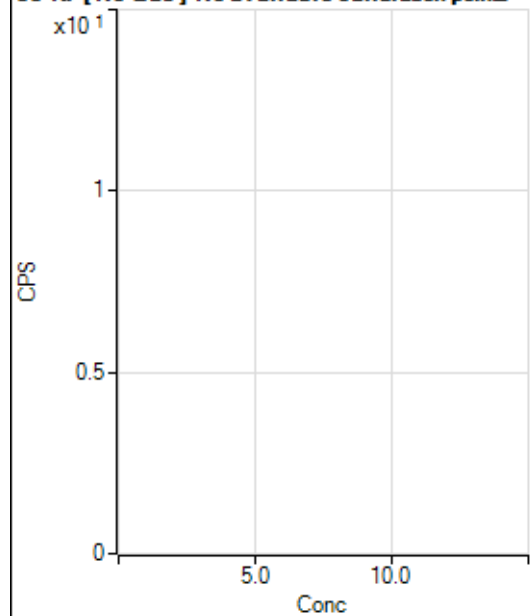
$$DL = 4.218$$

$$BEC = -0.7286$$

Weight: <None>

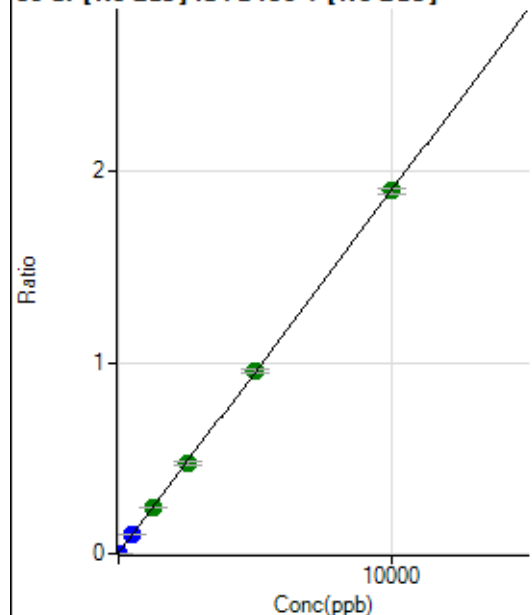
Min Conc: 0

83 Kr [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			12148.42		P	1.8
2	☐			12143.96		P	1.4
3	☐			12141.75		P	1.9
4	☐			12260.72		P	2.6
5	☐			12132.85		P	0.3
6	☐			11541.29		P	0.9
7	☐			11890.42		P	1.9
8	☐			11910.44		P	0.7
9	☐			11511.24		P	0.4

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19379.82	0.0023	P	3.1
2	☐	0.100	-0.055	19535.58	0.0023	P	3.9
3	☐	1.000	0.310	20637.19	0.0023	P	0.1
4	☐	500.000	502.866	844783.52	0.0978	P	0.1
5	☐	1250.000	1259.526	2098398.79	0.2416	A	1.0
6	☐	2500.000	2485.246	4083107.51	0.4745	A	2.9
7	☐	5000.000	5028.268	8043459.73	0.9577	A	2.1
8	☐	10000.000	9988.220	16248152.10	1.9002	A	1.9
9	☐			30106.30	0.0036	P	3.0

$$y = 1.9002E-004 * x + 0.0023$$

$$R = 1.0000$$

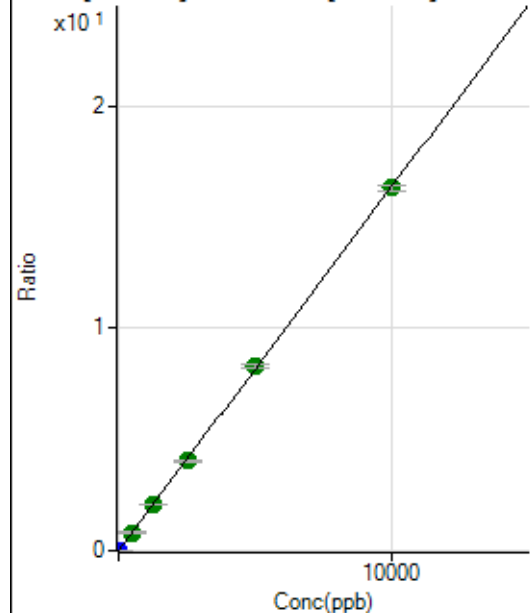
$$DL = 1.122$$

$$BEC = 11.96$$

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	133.34	0.0000	P	39.6
2	☐	0.100	0.105	1619.58	0.0002	P	7.8
3	☐	1.000	0.979	14312.87	0.0016	P	1.8
4	☐	500.000	500.376	7074887.23	0.8193	A	1.2
5	☐	1250.000	1264.353	17977497.62	2.0702	A	2.2
6	☐	2500.000	2472.585	34838693.83	4.0485	A	2.0
7	☐	5000.000	5061.856	69611011.97	8.2881	A	1.7
8	☐	10000.000	9974.113	139644314.2	16.3313	A	1.7
9	☐			102616.16	0.0124	P	2.6

$$y = 0.0016 * x + 1.5531E-005$$

$$R = 1.0000$$

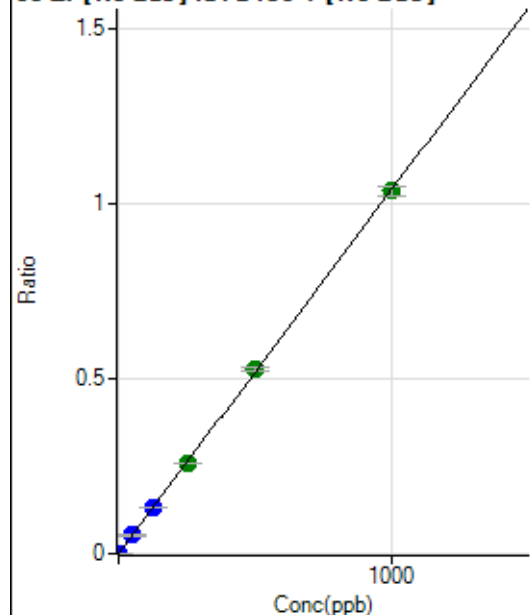
$$DL = 0.01126$$

$$BEC = 0.009485$$

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	444.46	0.0001	P	31.3
2	☐	0.100	0.094	1294.53	0.0001	P	6.3
3	☐	1.000	0.939	9108.65	0.0010	P	4.2
4	☐	50.000	50.215	451342.85	0.0523	P	1.0
5	☐	125.000	126.743	1145068.01	0.1318	P	0.9
6	☐	250.000	247.484	2214932.84	0.2574	A	1.3
7	☐	500.000	506.165	4420393.98	0.5264	A	2.3
8	☐	1000.000	997.318	8866534.05	1.0371	A	2.6
9	☐			5095.44	0.0006	P	4.8

$$y = 0.0010 * x + 5.2491E-005$$

$$R = 1.0000$$

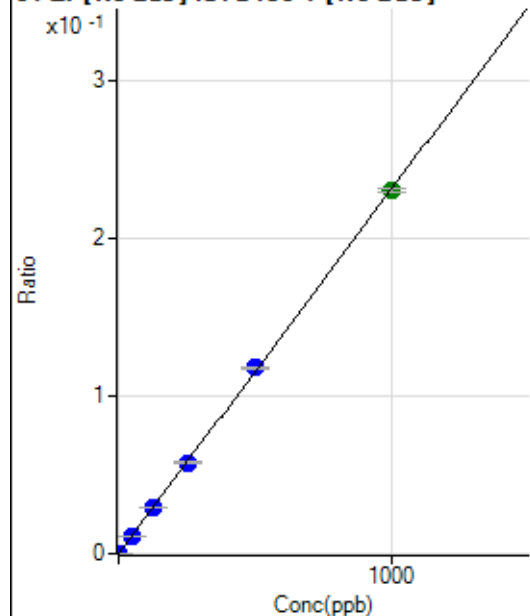
$$DL = 0.04744$$

$$BEC = 0.05048$$

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	91.67	0.0000	P	7.6
2	☐	0.100	0.093	277.79	0.0000	P	18.3
3	☐	1.000	0.937	2008.52	0.0002	P	9.0
4	☐	50.000	49.305	98399.42	0.0114	P	0.8
5	☐	125.000	126.587	253913.01	0.0292	P	1.7
6	☐	250.000	249.617	496042.21	0.0576	P	2.0
7	☐	500.000	509.193	987557.94	0.1176	P	1.7
8	☐	1000.000	995.335	1965431.40	0.2298	A	0.9
9	☐			1147.29	0.0001	P	3.7

$$y = 2.3089E-004 * x + 1.0741E-005$$

$$R = 0.9999$$

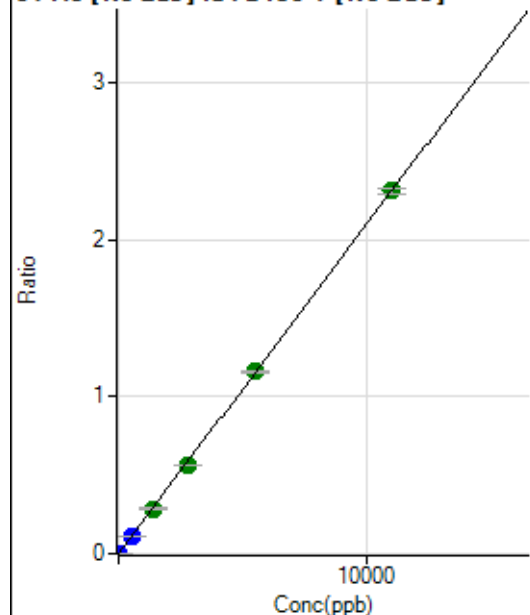
$$DL = 0.01066$$

$$BEC = 0.04652$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	144.45	0.0000	P	25.7
2	☐	0.500	0.559	1161.19	0.0001	P	11.1
3	☐	5.000	5.462	10306.69	0.0012	P	3.3
4	☐	550.000	547.114	993068.92	0.1150	P	0.9
5	☐	1375.000	1368.157	2497295.91	0.2876	A	1.5
6	☐	2750.000	2688.071	4862146.77	0.5650	A	0.7
7	☐	5500.000	5519.861	9744089.28	1.1601	A	1.3
8	☐	11000.000	11006.551	19779289.50	2.3132	A	1.8
9	☐			5765.17	0.0007	P	9.3

$$y = 2.1017\text{E-}004 * x + 1.6996\text{E-}005$$

$$R = 1.0000$$

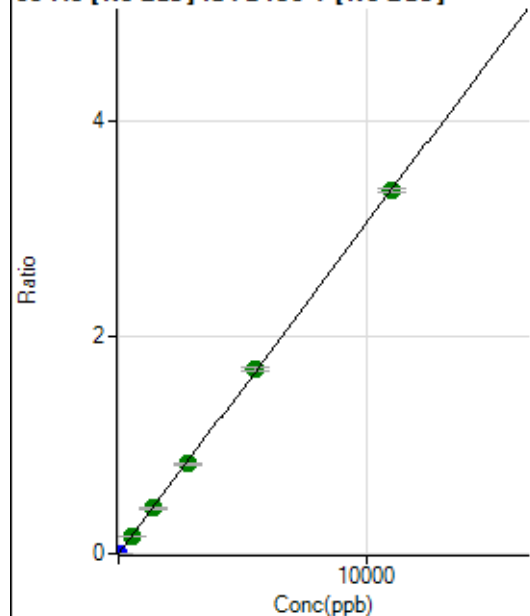
$$DL = 0.06224$$

$$BEC = 0.08087$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0000	P	3.9
2	☐	0.500	0.457	1222.30	0.0001	P	8.1
3	☐	5.000	4.680	12664.08	0.0014	P	1.9
4	☐	550.000	543.754	1434321.21	0.1661	A	0.5
5	☐	1375.000	1377.017	3652611.71	0.4206	A	2.2
6	☐	2750.000	2715.696	7137882.71	0.8295	A	3.0
7	☐	5500.000	5578.351	14309049.80	1.7039	A	2.6
8	☐	11000.000	10969.461	28653939.18	3.3507	A	1.2
9	☐			6551.68	0.0008	P	15.7

$$y = 3.0546\text{E-}004 * x + 1.9560\text{E-}006$$

$$R = 1.0000$$

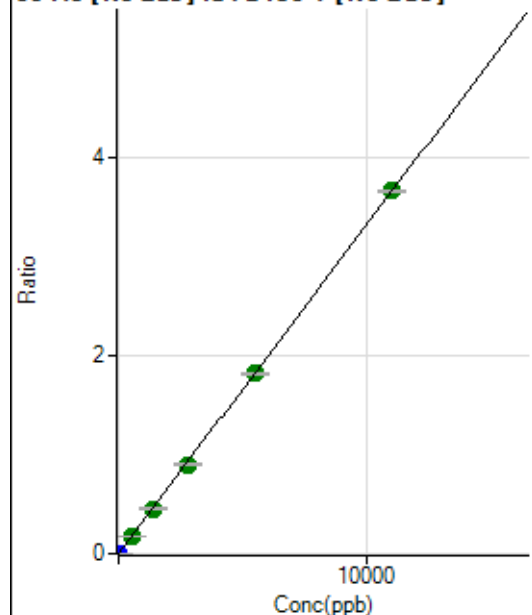
$$DL = 0.0007503$$

$$BEC = 0.006403$$

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	230.56	0.0000	P	27.4
2	☐	0.500	0.484	1625.13	0.0002	P	6.7
3	☐	5.000	4.813	14421.34	0.0016	P	2.7
4	☐	550.000	542.448	1560181.12	0.1807	A	1.3
5	☐	1375.000	1365.913	3949666.80	0.4549	A	2.9
6	☐	2750.000	2716.950	7785662.42	0.9048	A	2.4
7	☐	5500.000	5469.983	15298756.94	1.8215	A	1.8
8	☐	11000.000	11024.784	31398703.48	3.6713	A	0.5
9	☐			11301.85	0.0014	P	10.3

$$y = 3.3300\text{E-}004 * x + 2.7046\text{E-}005$$

$$R = 1.0000$$

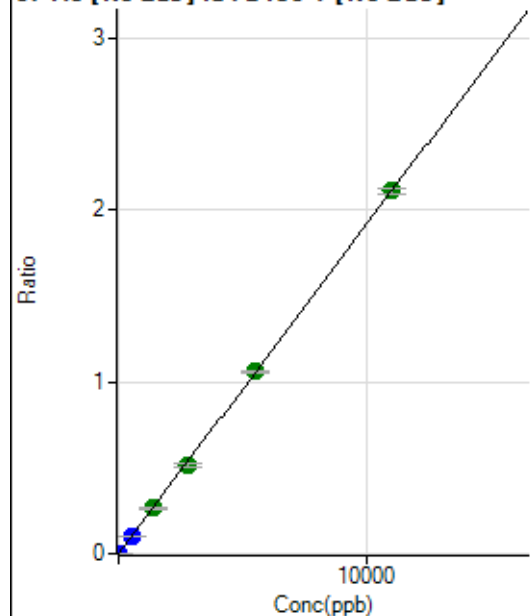
$$DL = 0.06672$$

$$BEC = 0.08122$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	16.67	0.0000	P	52.9
2	☐	0.500	0.527	888.94	0.0001	P	4.8
3	☐	5.000	4.563	7755.02	0.0009	P	1.7
4	☐	550.000	546.654	904680.30	0.1048	P	1.1
5	☐	1375.000	1377.447	2292079.26	0.2640	A	3.0
6	☐	2750.000	2685.005	4428112.34	0.5146	A	2.9
7	☐	5500.000	5515.938	8879467.47	1.0571	A	1.5
8	☐	11000.000	11008.142	18039703.01	2.1097	A	1.5
9	☐			4195.16	0.0005	P	16.1

$$y = 1.9165\text{E-}004 * x + 1.9703\text{E-}006$$

$$R = 1.0000$$

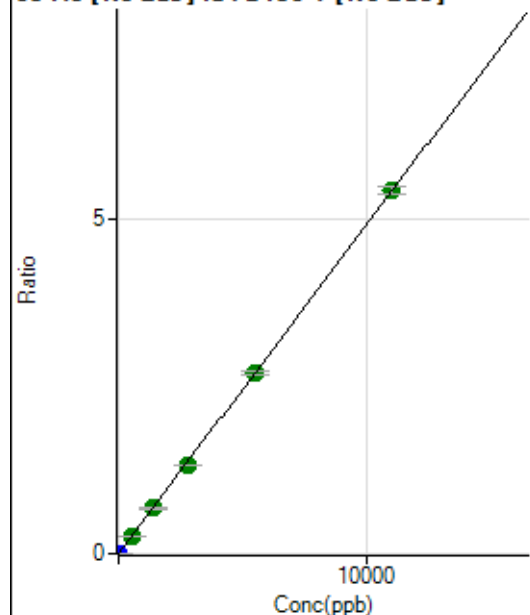
$$DL = 0.01633$$

$$BEC = 0.01028$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	125.00	0.0000	P	28.0
2	☐	0.500	0.485	2189.11	0.0003	P	1.9
3	☐	5.000	4.719	20695.62	0.0023	P	2.1
4	☐	550.000	537.639	2287145.58	0.2649	A	0.6
5	☐	1375.000	1374.206	5877674.61	0.6769	A	2.8
6	☐	2750.000	2700.686	11448810.76	1.3304	A	0.6
7	☐	5500.000	5485.760	22695006.93	2.7023	A	1.9
8	☐	11000.000	11020.166	46413741.67	5.4285	A	2.2
9	☐			9959.28	0.0012	P	14.7

$$y = 4.9259\text{E-}004 * x + 1.4758\text{E-}005$$

$$R = 1.0000$$

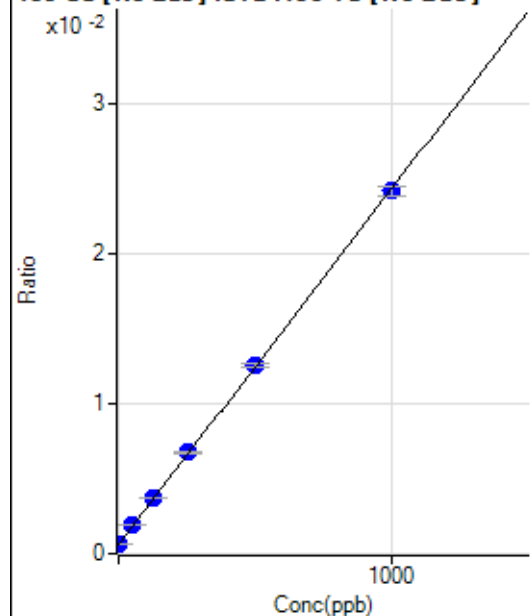
$$DL = 0.02519$$

$$BEC = 0.02996$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	3469.89	0.0006	P	2.3
2	☐	0.100	0.352	3571.32	0.0006	P	5.8
3	☐	1.000	1.303	3808.88	0.0006	P	4.7
4	☐	50.000	53.759	11014.01	0.0019	P	2.0
5	☐	125.000	131.166	22346.47	0.0037	P	0.8
6	☐	250.000	258.693	40112.30	0.0067	P	1.5
7	☐	500.000	504.477	74657.63	0.0126	P	1.5
8	☐	1000.000	994.629	146812.92	0.0242	P	2.4
9	☐			3507.40	0.0006	P	4.1

$$y = 2.3717\text{E-}005 * x + 6.0739\text{E-}004$$

$$R = 0.9999$$

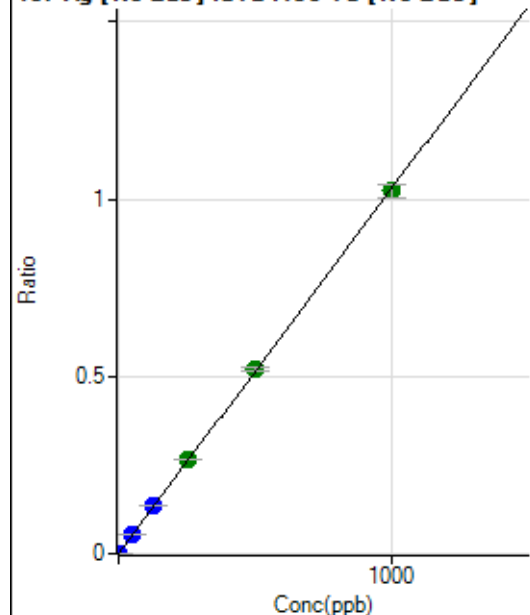
$$DL = 1.732$$

$$BEC = 25.61$$

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	51.39	0.0000	P	28.8
2	☐	0.100	0.075	500.01	0.0001	P	9.8
3	☐	1.000	0.975	6040.20	0.0010	P	6.0
4	☐	50.000	53.250	320552.55	0.0548	P	3.1
5	☐	125.000	131.738	814566.74	0.1355	P	1.4
6	☐	250.000	258.395	1581428.72	0.2658	A	1.3
7	☐	500.000	505.223	3086636.55	0.5198	A	1.4
8	☐	1000.000	994.285	6205197.75	1.0229	A	3.7
9	☐			2176.58	0.0004	P	3.4

$$y = 0.0010 * x + 9.0374E-006$$

$$R = 0.9999$$

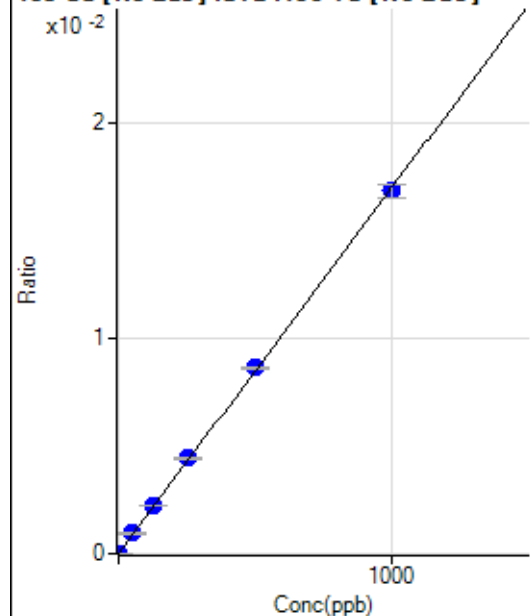
$$DL = 0.007599$$

$$BEC = 0.008785$$

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	37.50	0.0000	P	30.8
2	☐	0.100	-0.045	33.33	0.0000	P	33.6
3	☐	1.000	0.945	134.72	0.0000	P	13.0
4	☐	50.000	55.793	5584.48	0.0010	P	4.4
5	☐	125.000	130.019	13320.14	0.0022	P	1.4
6	☐	250.000	260.186	26344.88	0.0044	P	1.7
7	☐	500.000	508.074	51322.32	0.0086	P	0.6
8	☐	1000.000	992.500	102370.58	0.0169	P	3.4
9	☐			79.17	0.0000	P	33.7

$$y = 1.6996E-005 * x + 6.5259E-006$$

$$R = 0.9999$$

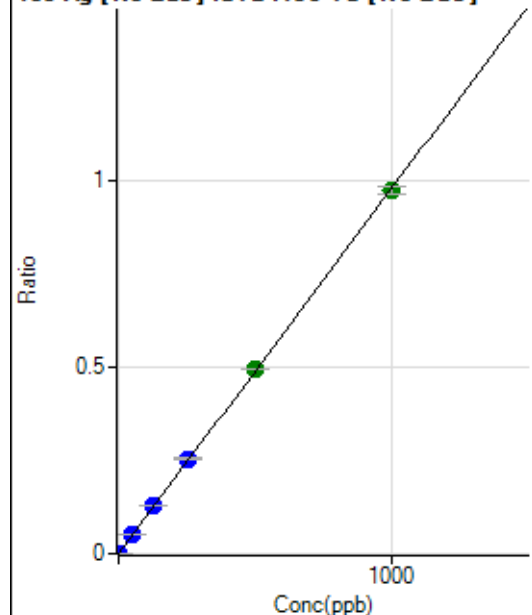
$$DL = 0.3545$$

$$BEC = 0.384$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.89	0.0000	P	68.9
2	☐	0.100	0.070	408.35	0.0001	P	19.3
3	☐	1.000	1.001	5852.64	0.0010	P	5.5
4	☐	50.000	53.050	303540.87	0.0519	P	0.9
5	☐	125.000	131.616	773370.14	0.1287	P	1.2
6	☐	250.000	259.132	1507127.70	0.2534	P	1.7
7	☐	500.000	505.739	2936442.64	0.4945	A	1.0
8	☐	1000.000	993.868	5895865.93	0.9717	A	2.1
9	☐			1973.77	0.0003	P	7.5

$$y = 9.7771\text{E-}004 * x + 2.4277\text{E-}006$$

$$R = 0.9999$$

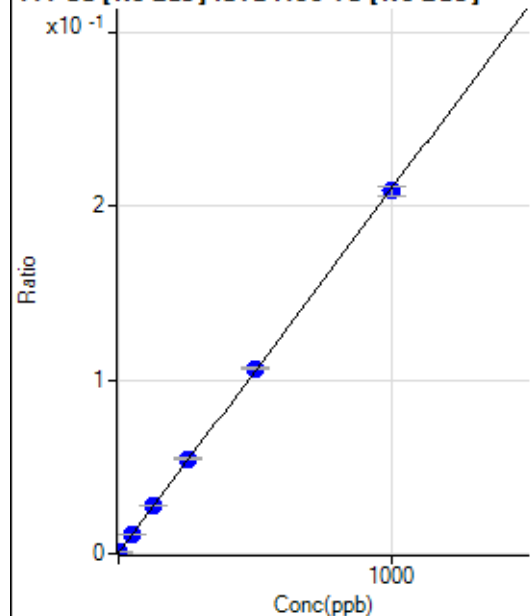
$$DL = 0.005135$$

$$BEC = 0.002483$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2409.62	0.0004	P	2.4
2	☐	0.100	0.126	2600.21	0.0004	P	5.4
3	☐	1.000	1.058	3841.43	0.0006	P	0.5
4	☐	50.000	52.677	67125.73	0.0115	P	2.6
5	☐	125.000	130.685	167309.18	0.0278	P	0.6
6	☐	250.000	258.330	324900.87	0.0546	P	2.0
7	☐	500.000	505.747	632638.37	0.1065	P	1.1
8	☐	1000.000	994.200	1268053.44	0.2090	P	2.5
9	☐			2673.38	0.0005	P	3.4

$$y = 2.0980\text{E-}004 * x + 4.2182\text{E-}004$$

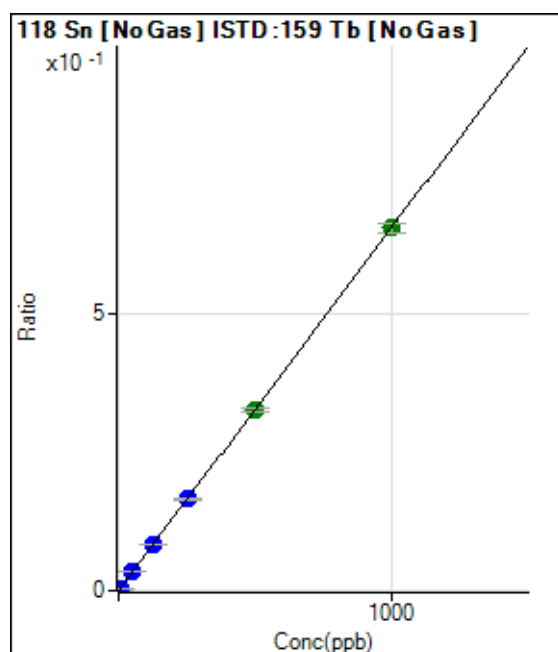
$$R = 0.9999$$

$$DL = 0.1461$$

$$BEC = 2.011$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	608.36	0.0001	P	8.7
2	☐	0.500	0.472	2408.61	0.0004	P	4.9
3	☐	5.000	4.936	19880.83	0.0033	P	2.4
4	☐	50.000	50.901	195209.92	0.0334	P	2.6
5	☐	125.000	126.207	496256.74	0.0826	P	1.4
6	☐	250.000	252.339	981496.21	0.1650	P	1.5
7	☐	500.000	499.174	1937761.42	0.3263	A	2.6
8	☐	1000.000	999.633	3963616.67	0.6533	A	2.6
9	☐			1911.29	0.0003	P	8.9

$$y = 6.5343\text{E-}004 * x + 1.0652\text{E-}004$$

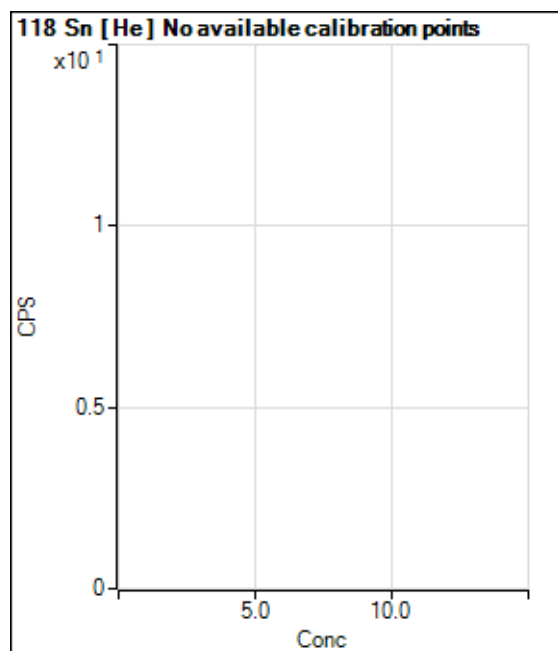
$$R = 1.0000$$

$$DL = 0.0424$$

$$BEC = 0.163$$

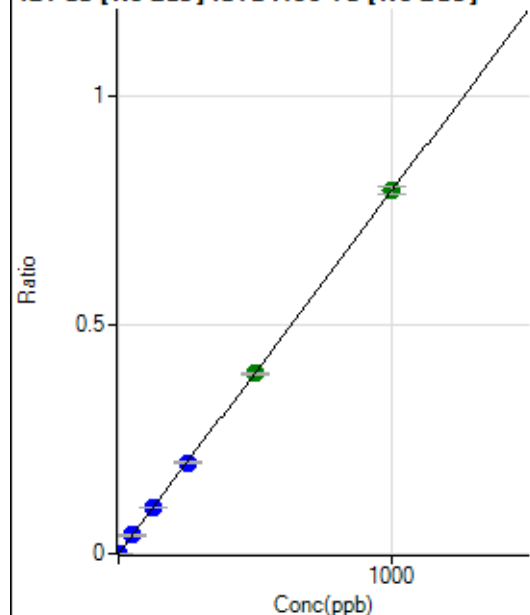
Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			313.66		P	6.6
2	☐			1341.45		P	4.9
3	☐			8982.08		P	2.5
4	☐			94933.87		P	1.1
5	☐			237619.31		P	1.5
6	☐			467820.08		P	0.4
7	☐			920412.19		P	0.9
8	☐			1884411.21		A	0.7
9	☐			747.46		P	8.9

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.33	0.0000	P	52.4
2	☐	0.200	0.200	927.82	0.0002	P	3.9
3	☐	2.000	1.939	9159.97	0.0015	P	2.6
4	☐	50.000	50.903	235500.97	0.0403	P	2.4
5	☐	125.000	126.010	598833.75	0.0996	P	1.1
6	☐	250.000	250.484	1178257.53	0.1981	P	1.5
7	☐	500.000	497.040	2333909.90	0.3930	A	1.6
8	☐	1000.000	1001.188	4803722.20	0.7917	A	2.0
9	☐			3046.19	0.0005	P	5.2

$$y = 7.9074\text{E-}004 * x + 1.4731\text{E-}006$$

$$R = 1.0000$$

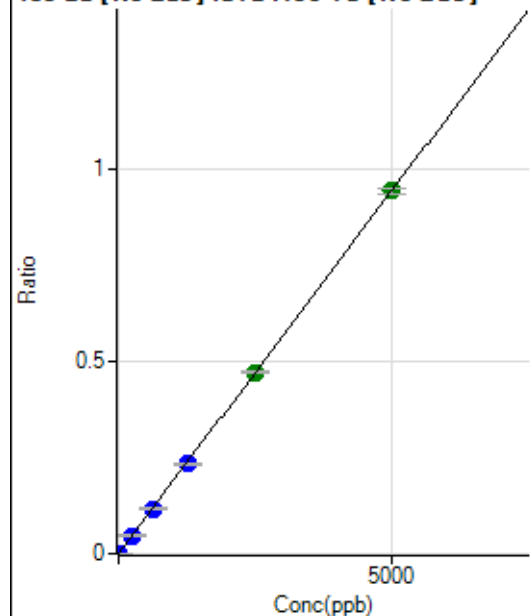
$$DL = 0.00293$$

$$BEC = 0.001863$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19.44	0.0000	P	49.8
2	☐	1.000	0.884	988.95	0.0002	P	5.2
3	☐	10.000	9.350	10556.98	0.0018	P	2.6
4	☐	250.000	251.020	277369.91	0.0474	P	2.8
5	☐	625.000	620.541	704345.31	0.1172	P	1.1
6	☐	1250.000	1240.363	1393540.53	0.2343	P	1.2
7	☐	2500.000	2498.306	2802025.22	0.4718	A	1.1
8	☐	5000.000	5003.764	5734404.08	0.9450	A	1.4
9	☐			2514.17	0.0004	P	3.4

$$y = 1.8886\text{E-}004 * x + 3.4091\text{E-}006$$

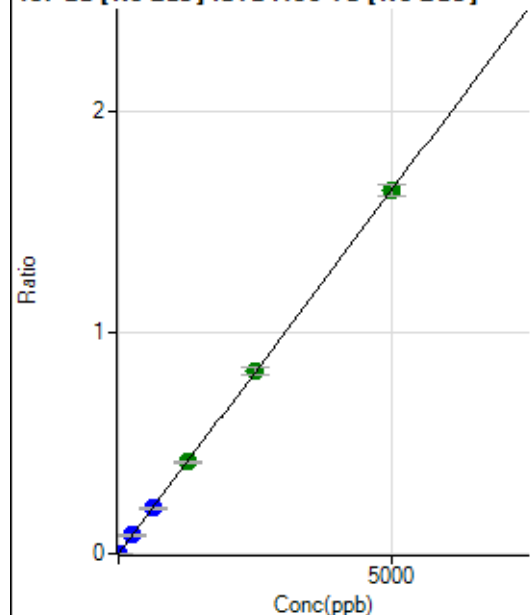
$$R = 1.0000$$

$$DL = 0.02699$$

$$BEC = 0.01805$$

Weight: <None>

Min Conc: 0

¹³⁷Ba [No Gas] ISTD : ¹⁵⁹Tb [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	47.22	0.0000	P	26.3
2	☐	1.000	0.967	1889.06	0.0003	P	0.9
3	☐	10.000	9.187	18045.28	0.0030	P	1.3
4	☐	250.000	252.205	484430.91	0.0828	P	1.9
5	☐	625.000	621.811	1226649.48	0.2041	P	0.9
6	☐	1250.000	1259.755	2459999.04	0.4135	A	1.5
7	☐	2500.000	2512.698	4897312.52	0.8248	A	3.2
8	☐	5000.000	4991.502	9939350.31	1.6384	A	3.2
9	☐			4145.17	0.0007	P	3.8

$$y = 3.2823\text{E-}004 * x + 8.2612\text{E-}006$$

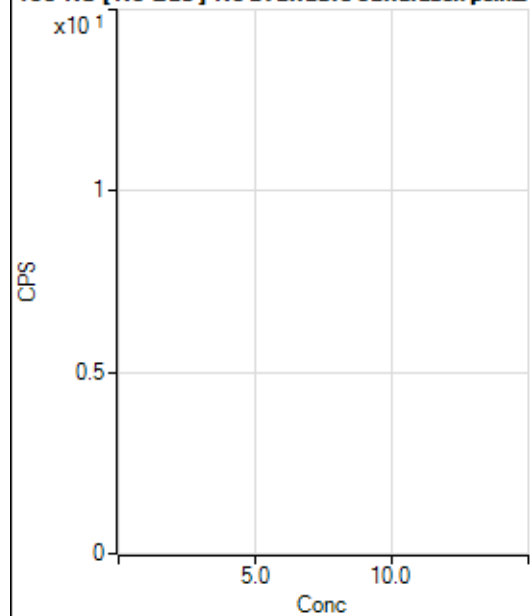
$$R = 1.0000$$

$$DL = 0.01985$$

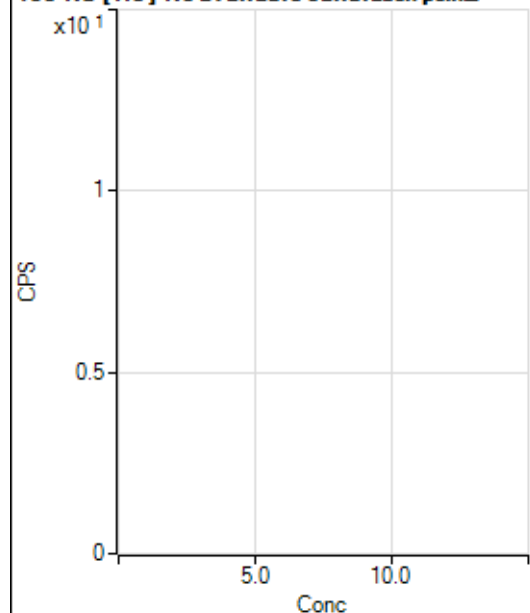
$$BEC = 0.02517$$

Weight: <None>

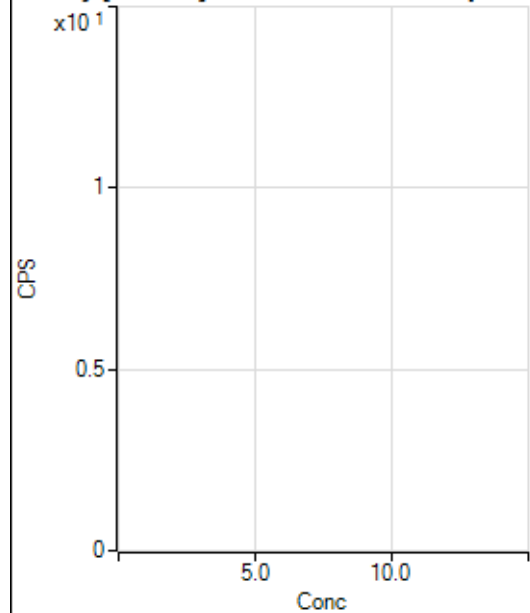
Min Conc: 0

¹⁵⁰Nd [No Gas] No available calibration points

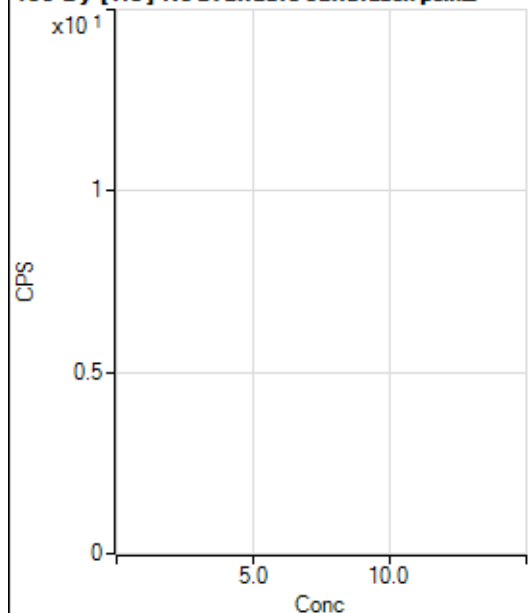
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	173.2
2	☐			0.00		P	
3	☐			0.00		P	
4	☐			28.89		P	35.2
5	☐			84.45		P	32.9
6	☐			126.67		P	32.9
7	☐			302.23		P	18.5
8	☐			575.58		P	19.7
9	☐			31.11		P	53.9

150 Nd [He] No available calibration points

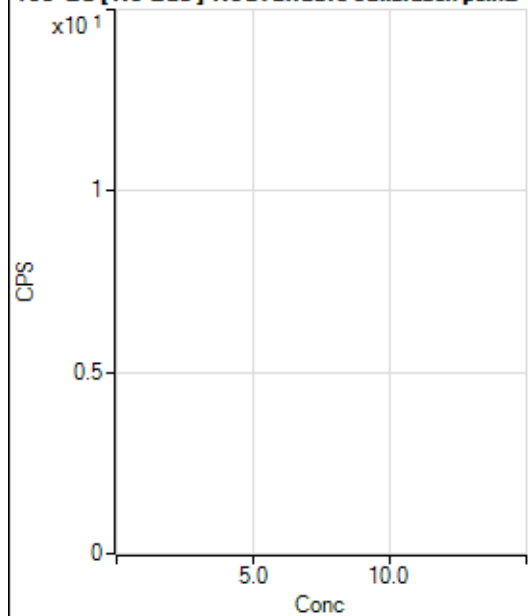
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐			1.11		P	173.2
3	☐			0.00		P	
4	☐			12.22		P	63.0
5	☐			18.89		P	10.2
6	☐			47.78		P	54.2
7	☐			72.22		P	25.4
8	☐			155.56		P	7.5
9	☐			24.44		P	34.3

156 Dy [No Gas] No available calibration points

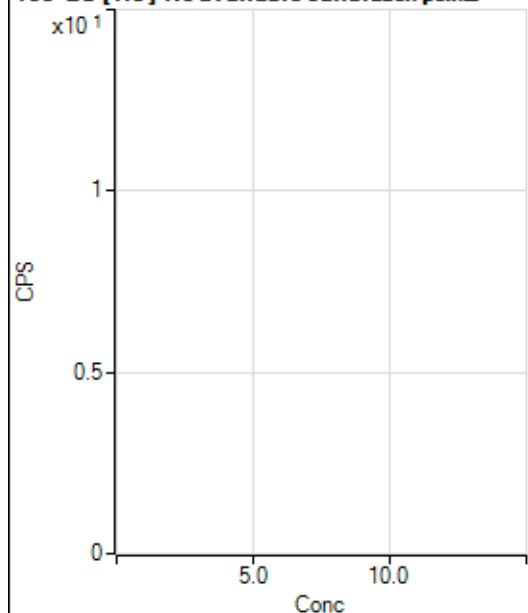
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.56		P	173.2
2	☐			8.33		P	100.0
3	☐			5.55		P	86.6
4	☐			27.78		P	34.6
5	☐			50.00		P	28.9
6	☐			61.11		P	67.3
7	☐			141.67		P	25.6
8	☐			277.79		P	13.5
9	☐			1000.06		P	14.5

156 Dy [He] No available calibration points

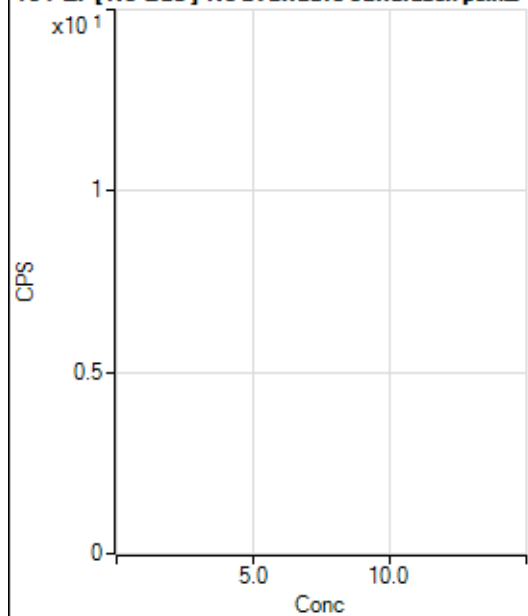
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	86.6
2	☐			1.11		P	173.2
3	☐			1.11		P	173.2
4	☐			22.22		P	17.3
5	☐			53.33		P	16.5
6	☐			72.22		P	30.7
7	☐			174.45		P	15.3
8	☐			373.34		P	13.9
9	☐			674.47		P	3.2

160 Gd [No Gas] Noavailable calibration poin_

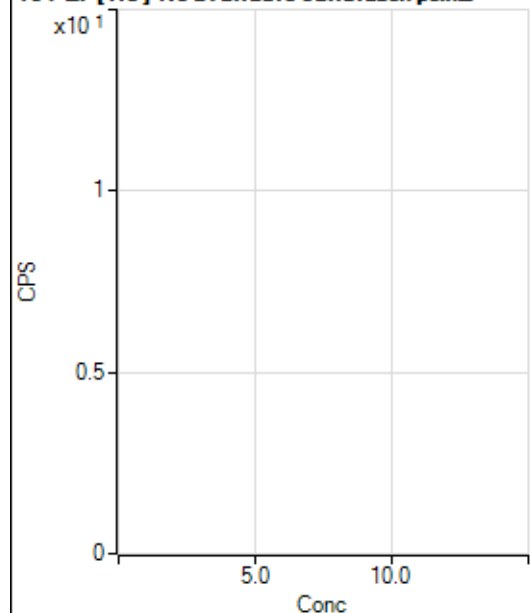
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			36.11		P	35.3
2	☐			38.89		P	44.6
3	☐			44.45		P	10.8
4	☐			69.45		P	6.9
5	☐			80.56		P	6.0
6	☐			91.67		P	45.5
7	☐			150.00		P	20.0
8	☐			230.56		P	14.6
9	☐			902.83		P	5.9

160 Gd [He] No available calibration points

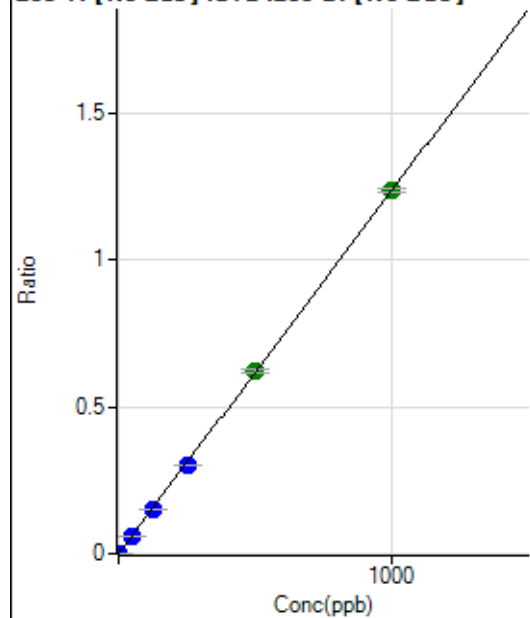
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			222.23		P	25.2
2	☐			167.78		P	9.0
3	☐			178.89		P	2.2
4	☐			208.89		P	4.9
5	☐			228.89		P	21.2
6	☐			231.12		P	14.8
7	☐			253.34		P	18.1
8	☐			365.57		P	5.0
9	☐			745.59		P	9.0

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			44.45		P	10.8
2	☐			33.33		P	43.3
3	☐			50.00		P	33.3
4	☐			36.11		P	48.0
5	☐			69.45		P	54.1
6	☐			63.89		P	45.8
7	☐			69.45		P	30.2
8	☐			108.34		P	33.5
9	☐			158.34		P	9.1

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			31.11		P	60.9
2	☐			25.56		P	19.9
3	☐			23.33		P	14.3
4	☐			26.67		P	12.5
5	☐			35.56		P	23.6
6	☐			33.33		P	26.5
7	☐			35.56		P	62.4
8	☐			61.11		P	13.7
9	☐			130.00		P	12.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	80.56	0.0000	P	30.7
2	☐	0.100	0.092	522.25	0.0001	P	15.7
3	☐	1.000	0.886	4384.14	0.0011	P	5.1
4	☐	50.000	47.771	226671.40	0.0591	P	1.3
5	☐	125.000	120.846	590412.96	0.1494	P	1.0
6	☐	250.000	242.984	1167955.29	0.3004	P	1.3
7	☐	500.000	504.375	2410032.00	0.6235	A	1.6
8	☐	1000.000	1000.197	4842442.90	1.2365	A	1.1
9	☐			1255.65	0.0004	P	10.1

$$y = 0.0012 * x + 2.1228E-005$$

$$R = 1.0000$$

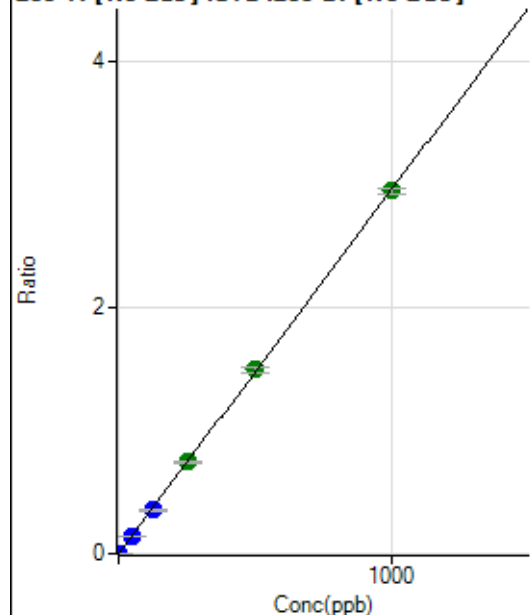
$$DL = 0.01582$$

$$BEC = 0.01717$$

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	188.90	0.0001	P	31.7
2	☐	0.100	0.084	1155.64	0.0003	P	15.0
3	☐	1.000	0.893	10551.59	0.0027	P	1.6
4	☐	50.000	48.287	546844.06	0.1425	P	1.8
5	☐	125.000	119.152	1389289.24	0.3516	P	2.0
6	☐	250.000	253.476	2907975.15	0.7479	A	2.0
7	☐	500.000	505.570	5764301.43	1.4918	A	3.7
8	☐	1000.000	997.163	11521462.58	2.9422	A	1.6
9	☐			2925.39	0.0008	P	13.9

$$y = 0.0030 * x + 5.0266E-005$$

$$R = 0.9999$$

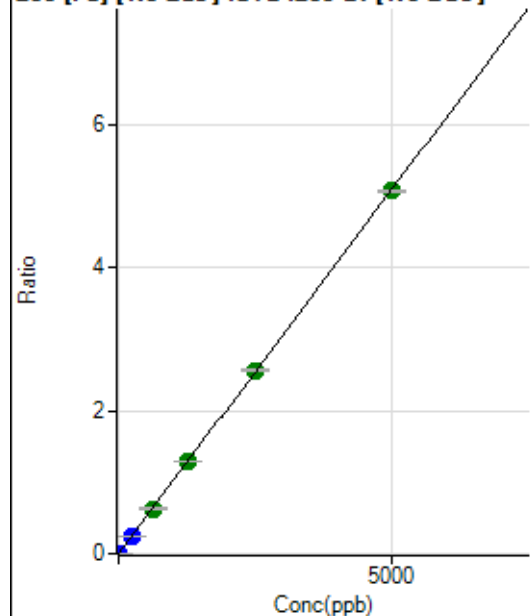
$$DL = 0.01621$$

$$BEC = 0.01704$$

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	83.33	0.0000	P	32.4
2	☐	0.100	0.105	498.17	0.0001	P	3.6
3	☐	1.000	0.893	3661.66	0.0009	P	4.5
4	☐	250.000	236.446	924410.88	0.2409	P	0.5
5	☐	625.000	619.806	2495018.49	0.6315	A	1.8
6	☐	1250.000	1268.536	5024937.03	1.2924	A	0.9
7	☐	2500.000	2519.372	9918540.61	2.5667	A	1.6
8	☐	5000.000	4987.007	19896997.90	5.0806	A	0.9
9	☐			9555.34	0.0028	P	1.3

$$y = 0.0010 * x + 2.1962E-005$$

$$R = 1.0000$$

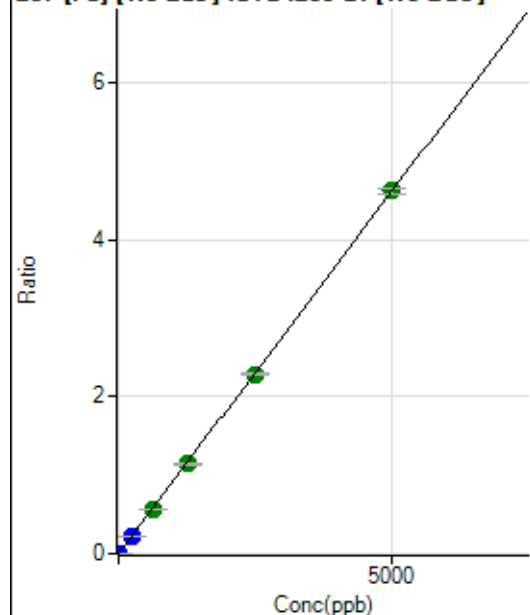
$$DL = 0.02098$$

$$BEC = 0.02156$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	75.93	0.0000	P	24.7
2	☐	0.100	0.095	414.83	0.0001	P	11.9
3	☐	1.000	0.857	3176.35	0.0008	P	6.5
4	☐	250.000	231.077	816724.44	0.2129	P	2.1
5	☐	625.000	611.052	2223428.52	0.5629	A	3.4
6	☐	1250.000	1240.023	4440735.80	1.1422	A	1.7
7	☐	2500.000	2481.573	8832690.53	2.2858	A	1.7
8	☐	5000.000	5014.398	18085903.87	4.6187	A	1.9
9	☐			8549.13	0.0025	P	1.1

$$y = 9.2109\text{E-}004 * x + 2.0181\text{E-}005$$

$$R = 1.0000$$

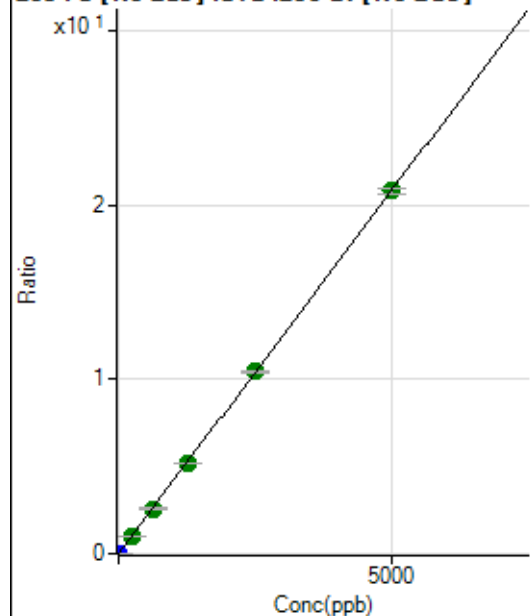
$$DL = 0.01624$$

$$BEC = 0.02191$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	401.86	0.0001	P	10.5
2	☐	0.100	0.093	1913.05	0.0005	P	2.2
3	☐	1.000	0.881	14836.80	0.0038	P	1.8
4	☐	250.000	240.328	3843631.51	1.0017	A	1.2
5	☐	625.000	616.731	10155896.03	2.5704	A	2.2
6	☐	1250.000	1246.173	20194657.34	5.1938	A	1.0
7	☐	2500.000	2507.434	40385054.78	10.4503	A	1.1
8	☐	5000.000	4998.757	81581868.02	20.8333	A	1.4
9	☐			38952.09	0.0112	P	1.5

$$y = 0.0042 * x + 1.0654\text{E-}004$$

$$R = 1.0000$$

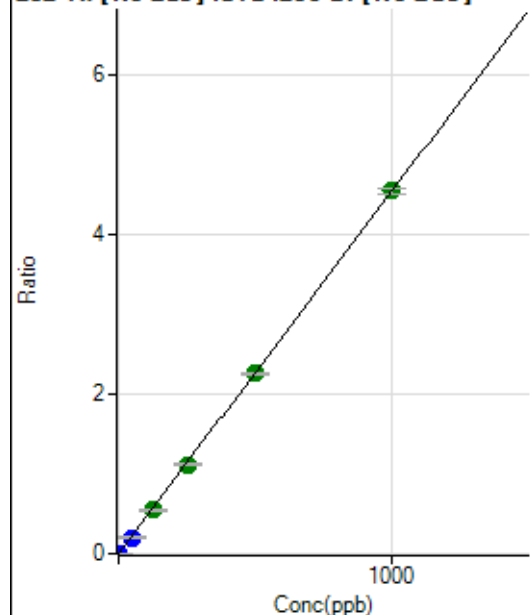
$$DL = 0.008036$$

$$BEC = 0.02556$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	40.74	0.0000	P	16.4
2	☐	0.100	0.081	1457.51	0.0004	P	9.0
3	☐	1.000	0.820	14658.24	0.0037	P	5.7
4	☐	50.000	44.945	783051.64	0.2041	P	1.8
5	☐	125.000	120.304	2157985.77	0.5463	A	3.7
6	☐	250.000	246.951	4359416.33	1.1213	A	2.8
7	☐	500.000	498.757	8751838.27	2.2647	A	0.9
8	☐	1000.000	1002.224	17819820.31	4.5507	A	1.7
9	☐			2015.01	0.0006	P	15.4

$$y = 0.0045 * x + 1.0819E-005$$

$$R = 1.0000$$

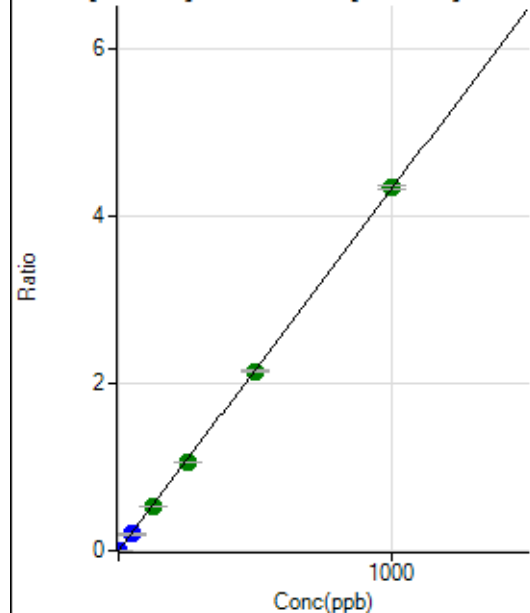
$$DL = 0.001175$$

$$BEC = 0.002383$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	11.11	0.0000	P	117.1
2	☐	0.100	0.086	1455.67	0.0004	P	4.0
3	☐	1.000	0.860	14638.96	0.0037	P	1.5
4	☐	50.000	45.596	757569.35	0.1974	P	1.7
5	☐	125.000	121.372	2076779.89	0.5256	A	1.2
6	☐	250.000	246.234	4145709.51	1.0662	A	0.6
7	☐	500.000	496.420	8307009.47	2.1496	A	1.1
8	☐	1000.000	1003.405	17015351.77	4.3449	A	1.0
9	☐			2119.67	0.0006	P	14.8

$$y = 0.0043 * x + 3.0044E-006$$

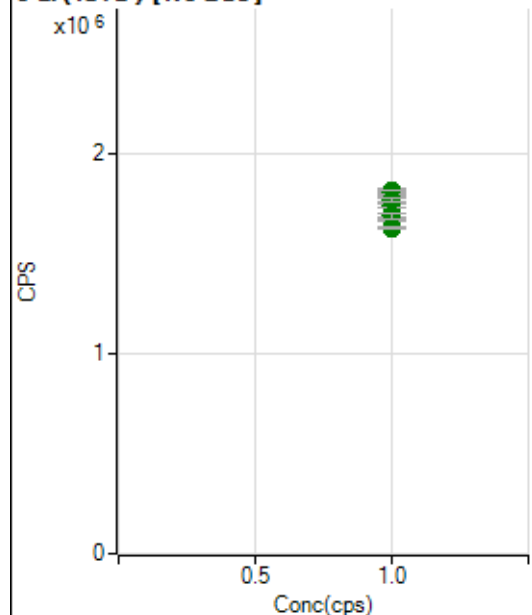
$$R = 1.0000$$

$$DL = 0.002437$$

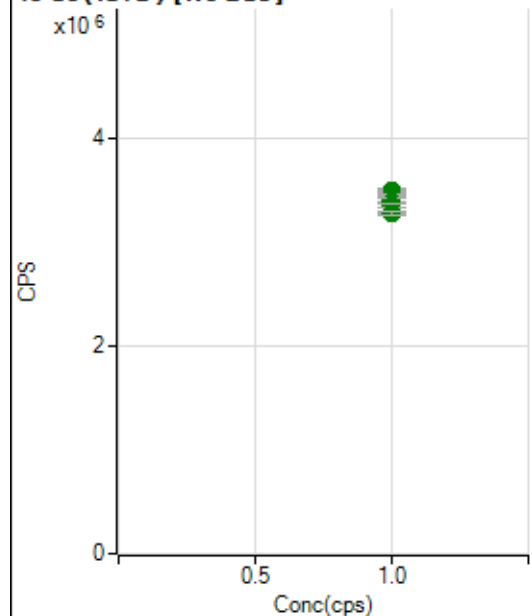
$$BEC = 0.0006938$$

Weight: <None>

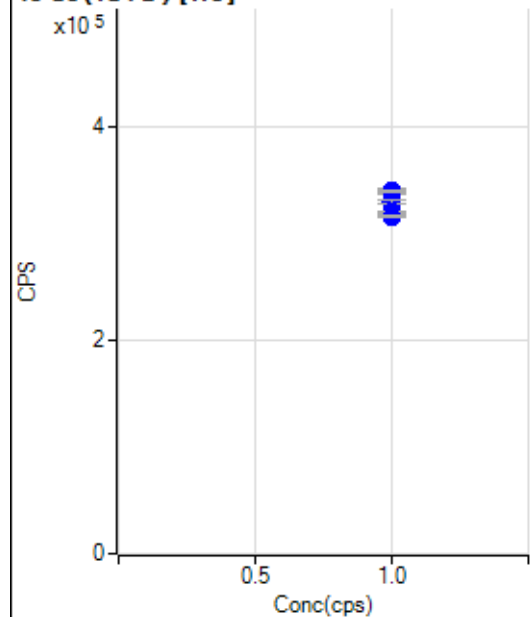
Min Conc: 0

6 Li (ISTD) [No Gas]

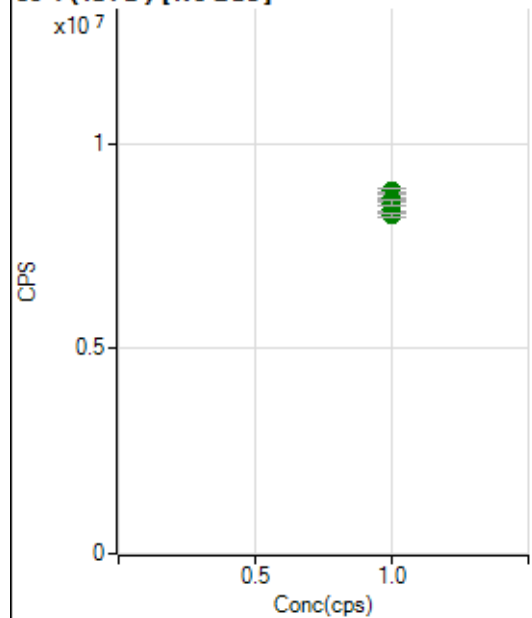
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1755181.74		A	0.6
2	☐	1.000		1743342.77		A	1.6
3	☐	1.000		1815587.28		A	1.0
4	☐	1.000		1792773.60		A	0.7
5	☐	1.000		1805883.95		A	1.0
6	☐	1.000		1769888.50		A	0.9
7	☐	1.000		1673098.21		A	1.3
8	☐	1.000		1689947.73		A	2.0
9	☐	1.000		1629510.10		A	0.9

45 Sc (ISTD) [No Gas]

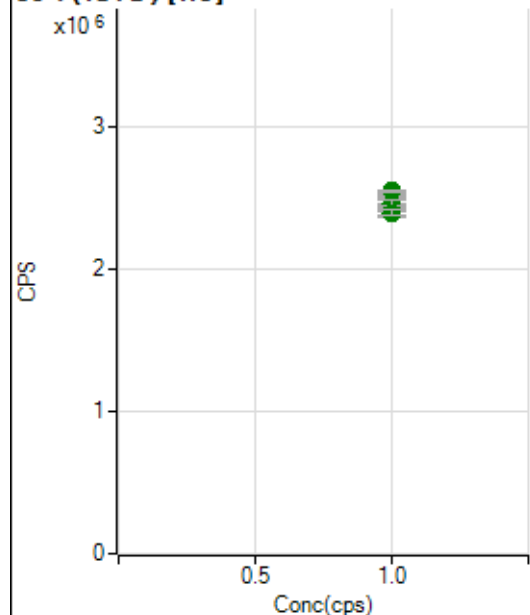
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3458543.04		A	3.5
2	☐	1.000		3424493.67		A	1.6
3	☐	1.000		3499136.96		A	0.5
4	☐	1.000		3403832.35		A	1.9
5	☐	1.000		3459846.34		A	0.7
6	☐	1.000		3397250.47		A	1.6
7	☐	1.000		3291421.45		A	0.3
8	☐	1.000		3357945.85		A	1.4
9	☐	1.000		3282237.59		A	0.7

45 Sc (ISTD) [He]

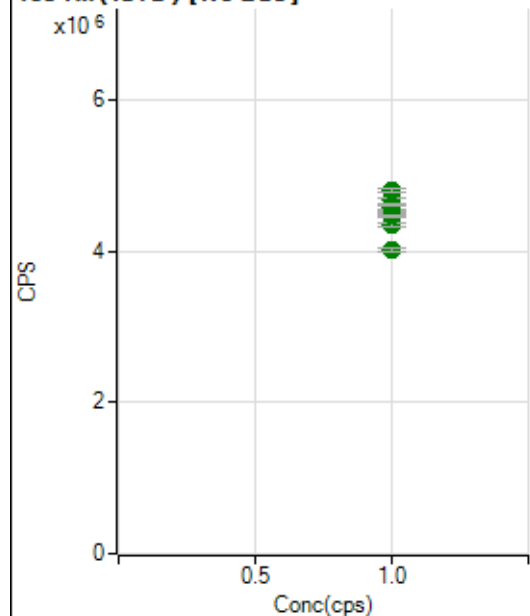
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		337477.63		P	0.5
2	☐	1.000		339546.48		P	1.0
3	☐	1.000		340364.35		P	1.5
4	☐	1.000		339466.51		P	0.7
5	☐	1.000		329689.62		P	1.0
6	☐	1.000		321110.53		P	0.5
7	☐	1.000		315830.30		P	0.5
8	☐	1.000		320552.87		P	0.3
9	☐	1.000		316062.64		P	0.5

89 Y (ISTD) [No Gas]

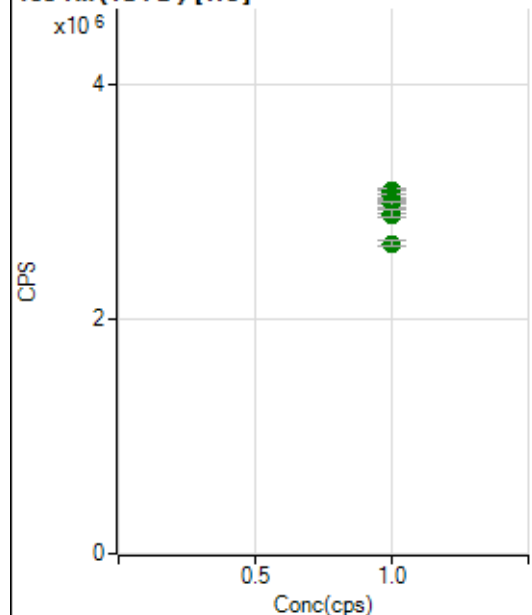
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8531298.42		A	3.9
2	☐	1.000		8635663.76		A	1.5
3	☐	1.000		8848323.34		A	1.2
4	☐	1.000		8635451.82		A	0.6
5	☐	1.000		8686569.52		A	2.4
6	☐	1.000		8606113.76		A	0.8
7	☐	1.000		8400947.58		A	2.3
8	☐	1.000		8552289.87		A	1.8
9	☐	1.000		8252170.02		A	1.4

89 Y(ISTD) [He]

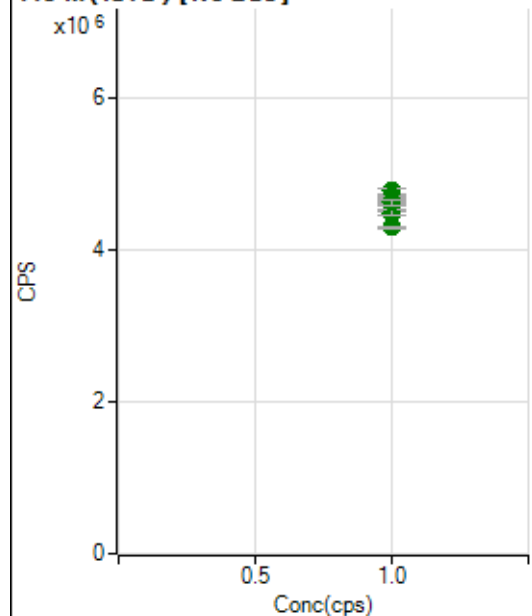
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2512583.75		A	1.1
2	☐	1.000		2512290.33		A	1.0
3	☐	1.000		2538465.90		A	1.4
4	☐	1.000		2552491.04		A	0.8
5	☐	1.000		2451766.42		A	1.4
6	☐	1.000		2455217.01		A	0.4
7	☐	1.000		2389813.39		A	1.8
8	☐	1.000		2466813.19		A	1.8
9	☐	1.000		2401001.98		A	1.2

103 Rh(ISTD) [No Gas]

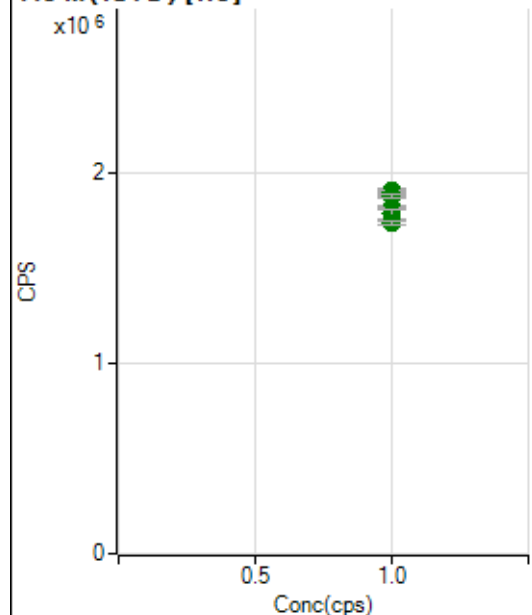
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4612194.41		A	3.4
2	☐	1.000		4673789.13		A	1.7
3	☐	1.000		4795095.24		A	1.0
4	☐	1.000		4583824.10		A	1.2
5	☐	1.000		4606895.87		A	0.4
6	☐	1.000		4478811.53		A	1.1
7	☐	1.000		4350001.98		A	0.9
8	☐	1.000		4468851.77		A	0.7
9	☐	1.000		4011067.65		A	1.0

103 Rh (ISTD) [He]

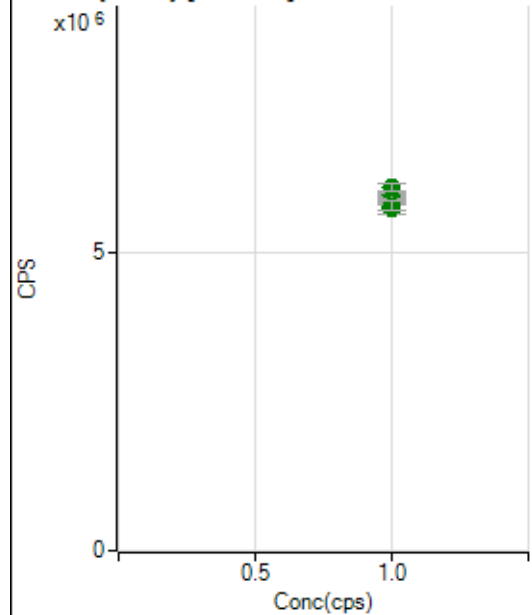
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3039560.02		A	1.8
2	☐	1.000		3088165.61		A	1.0
3	☐	1.000		3092581.06		A	1.5
4	☐	1.000		3052695.44		A	0.9
5	☐	1.000		3005721.66		A	1.1
6	☐	1.000		2977000.48		A	1.4
7	☐	1.000		2882637.63		A	1.0
8	☐	1.000		2900515.93		A	2.2
9	☐	1.000		2644709.84		A	1.6

115 In (ISTD) [No Gas]

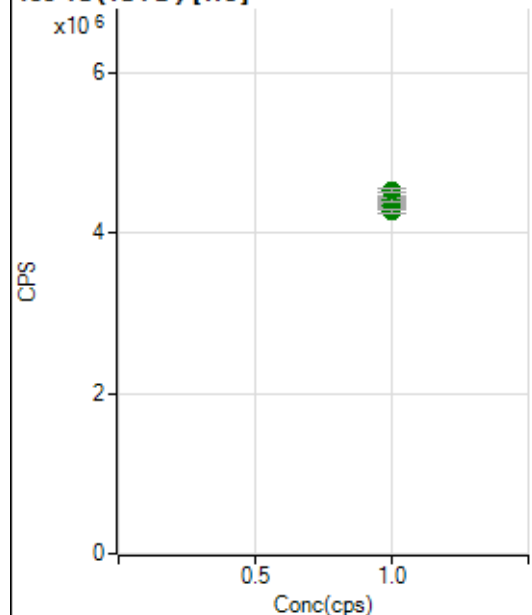
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4572914.87		A	3.6
2	☐	1.000		4660717.21		A	1.2
3	☐	1.000		4770841.92		A	1.7
4	☐	1.000		4614076.90		A	2.1
5	☐	1.000		4692209.55		A	0.8
6	☐	1.000		4595997.48		A	0.5
7	☐	1.000		4481769.64		A	1.5
8	☐	1.000		4615231.50		A	2.0
9	☐	1.000		4289374.28		A	0.8

115 In (ISTD) [He]

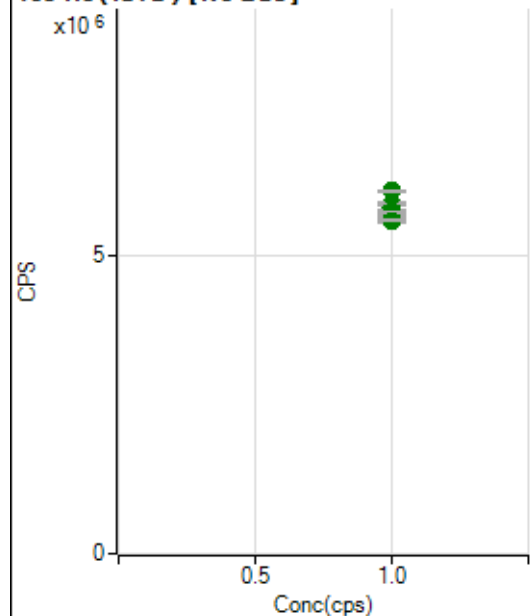
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1892211.08		A	0.7
2	☐	1.000		1893577.60		A	1.6
3	☐	1.000		1908754.89		A	1.6
4	☐	1.000		1897722.78		A	1.5
5	☐	1.000		1878630.14		A	1.2
6	☐	1.000		1821037.77		A	1.6
7	☐	1.000		1817513.66		A	0.6
8	☐	1.000		1786110.17		A	3.0
9	☐	1.000		1741835.42		A	1.5

159 Tb (ISTD) [No Gas]

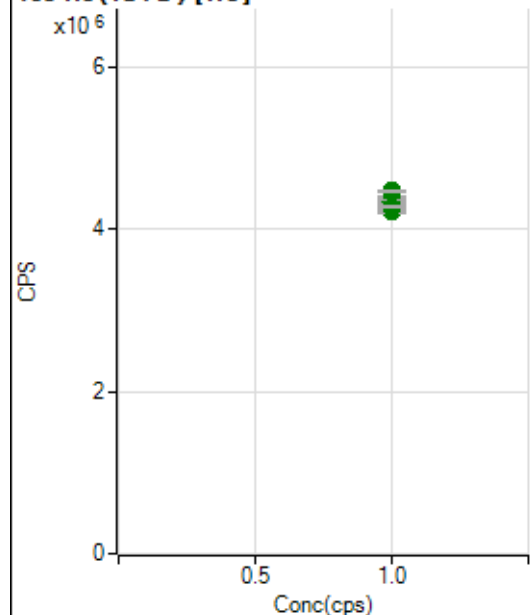
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5713409.19		A	2.8
2	☐	1.000		5801041.44		A	0.8
3	☐	1.000		5967336.79		A	0.7
4	☐	1.000		5852709.36		A	2.2
5	☐	1.000		6009860.53		A	0.3
6	☐	1.000		5949266.92		A	1.0
7	☐	1.000		5939127.41		A	1.4
8	☐	1.000		6069220.74		A	2.1
9	☐	1.000		5760213.87		A	2.8

159 Tb (ISTD) [He]

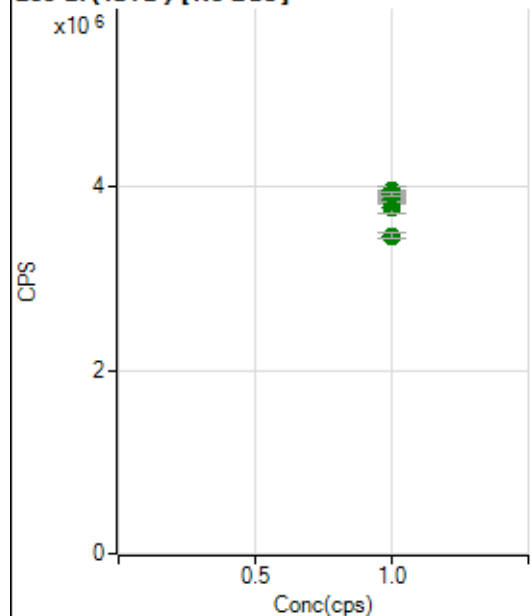
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4320750.32		A	1.2
2	☐	1.000		4370259.07		A	1.2
3	☐	1.000		4326502.43		A	1.7
4	☐	1.000		4326358.44		A	1.0
5	☐	1.000		4354311.11		A	1.7
6	☐	1.000		4402117.36		A	1.9
7	☐	1.000		4404439.41		A	1.0
8	☐	1.000		4520018.20		A	0.9
9	☐	1.000		4257928.75		A	0.9

165 Ho (ISTD) [No Gas]

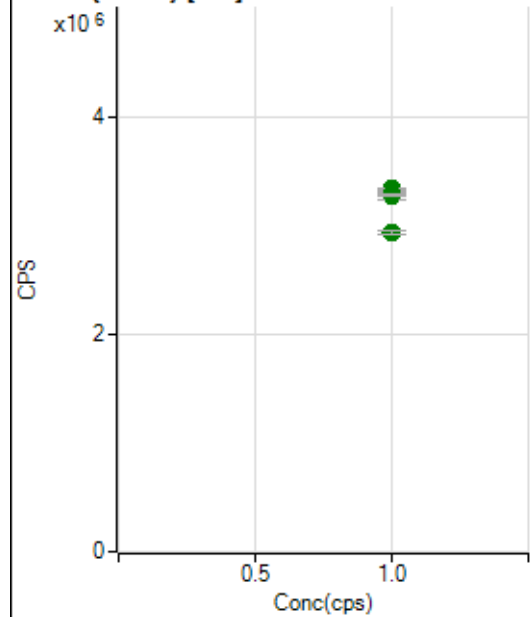
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5609255.89		A	2.8
2	☐	1.000		5738261.51		A	1.0
3	☐	1.000		5844429.70		A	0.3
4	☐	1.000		5697422.24		A	1.8
5	☐	1.000		5859546.65		A	1.0
6	☐	1.000		5813064.70		A	2.0
7	☐	1.000		5726652.14		A	0.7
8	☐	1.000		6081795.95		A	0.4
9	☐	1.000		5591864.08		A	1.0

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4216042.96		A	0.4
2	☐	1.000		4271490.84		A	1.3
3	☐	1.000		4339672.86		A	2.8
4	☐	1.000		4362249.76		A	0.9
5	☐	1.000		4365312.54		A	1.6
6	☐	1.000		4343148.65		A	1.5
7	☐	1.000		4360000.35		A	0.2
8	☐	1.000		4474244.93		A	0.2
9	☐	1.000		4277095.39		A	0.6

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3770156.16		A	3.4
2	☐	1.000		3866016.26		A	0.6
3	☐	1.000		3927529.56		A	1.8
4	☐	1.000		3837344.28		A	1.0
5	☐	1.000		3952226.54		A	2.2
6	☐	1.000		3888187.93		A	0.9
7	☐	1.000		3864774.46		A	1.3
8	☐	1.000		3916332.75		A	1.1
9	☐	1.000		3465295.09		A	1.4

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3287338.56		A	0.9
2	☐	1.000		3328803.04		A	1.4
3	☐	1.000		3311348.73		A	2.2
4	☐	1.000		3307713.60		A	1.0
5	☐	1.000		3330197.45		A	0.3
6	☐	1.000		3345848.07		A	0.8
7	☐	1.000		3279617.35		A	2.1
8	☐	1.000		3292340.40		A	0.3
9	☐	1.000		2943330.17		A	0.7

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P7022522MS.b
Acq. Date-Time 2022-02-25 11:41:45
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		8161	81613.79			1.980	5.000
24		51320	513198.50			2.223	5.000
25		6986	69863.91			2.304	5.000
26		7895	78950.48			2.204	5.000
59		15289	152891.11			2.736	5.000
113		7128	71283.17			2.102	5.000
115		20086	200864.93			2.402	5.000
206		10065	100652.23			1.816	5.000
207		8556	85564.29			2.557	5.000
208		20640	206404.85			2.168	5.000
220		0	4.80			30.901	

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

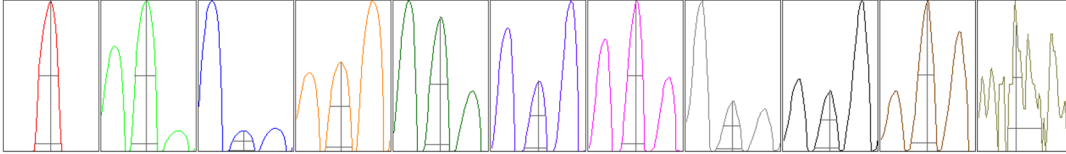
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	8270	7883	8271	8220	8163
24	52067	49333	51946	51872	51381
25	7099	6703	7067	7029	7034
26	7996	7592	8011	7970	7906
59	15515	14543	15454	15498	15436
113	7215	6862	7202	7194	7168
115	20379	19252	20298	20408	20095
206	10232	9782	10219	10074	10020
207	8789	8217	8679	8609	8488
208	21140	19978	20957	20579	20548

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	14315.24	9.00	8.90 - 9.10	
24	84915.15	23.95	23.90 - 24.10	
25	11306.70	24.95	24.90 - 25.10	
26	12759.35	25.95	25.90 - 26.10	
59	28563.68	59.00	58.90 - 59.10	
113	14750.69	113.05	112.90 - 113.10	
115	42216.05	115.05	114.90 - 115.10	
206	19931.08	206.00	205.90 - 206.10	
207	16891.56	207.00	206.90 - 207.10	
208	41777.10	208.00	207.90 - 208.10	
220	0.75	219.75	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.822	0.900	
24	0.65	0.827	0.900	
25	0.65	0.800	0.900	
26	0.65	0.832	0.900	
59	0.56	0.780	0.900	
113	0.49	0.724	0.900	
115	0.48	0.723	0.900	
206	0.51	0.805	0.900	
207	0.50	0.782	0.900	
208	0.50	0.811	0.900	
220	0.30	1.061		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.73 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	0.0 %	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	10.6 V	Deflect	14.8 V
Extract 2	-180.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-75 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	122	Axis Gain	1.0003	QP Bias	-3.0 V
Mass Offset	124	Axis Offset	-0.02		

Hardware Settings

Torch

Torch H	0.3 mm	Torch V	1.5 mm
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EM

Discriminator	3.2 mV	Analog HV	2152 V	Pulse HV	1422 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		6022	60218.88			1.627	
89		41242	412422.31			1.812	
205		22856	228560.24			1.702	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	6020	5965	6191	5953	5980
89	41031	40954	42545	40633	41048
205	22778	22839	23479	22404	22780

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.73 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	0.0 %	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	11.4 V	Deflect	3.2 V
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US EPA Tune Check Report

Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-90 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	122	Axis Gain	1.0003	QP Bias	-13.0 V
Mass Offset	124	Axis Offset	-0.02		
Hardware Settings					
Torch					
Torch H	0.3 mm	Torch V	1.5 mm		
EM					
Discriminator	3.2 mV	Analog HV	2152 V	Pulse HV	1422 V