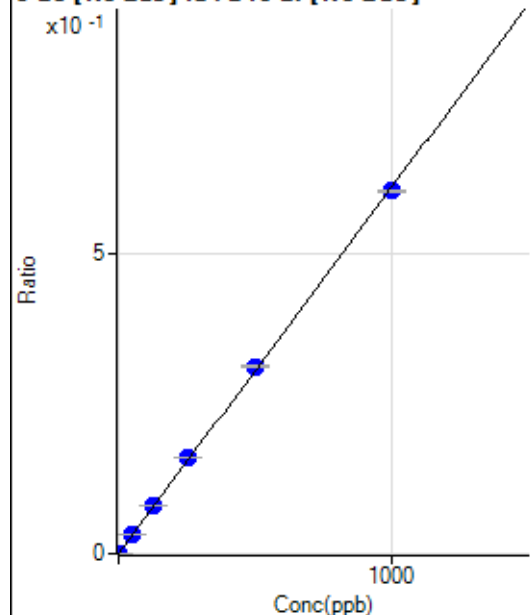


Calibration for 007CALS.d

Batch Folder: D:\ICP-MS Data\P7032719 MS.b\
 Analysis File: P7032719 MS.batch.bin
 DA Date-Time: 2019-03-28 00:08:47
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-03-27 11:55:02
2			
3	005CALS.d	S02	2019-03-27 12:03:18
4	006CALS.d	S03	2019-03-27 12:07:14
5	007CALS.d	S04	2019-03-27 12:11:17
6	008CALS.d	S05	2019-03-27 12:15:07
7	009CALS.d	S06	2019-03-27 12:18:53
8	010CALS.d	S07	2019-03-27 12:22:38
9	011CALS.d	S08	2019-03-27 12:26:25

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.56	0.0000	P	22.8
2	☐	0.100					
3	☐	1.000	0.950	4502.95	0.0006	P	1.8
4	☐	50.000	52.985	249051.29	0.0324	P	0.9
5	☐	125.000	131.498	607195.78	0.0804	P	1.0
6	☐	250.000	261.175	1187642.17	0.1597	P	0.4
7	☐	500.000	511.066	2270192.10	0.3126	P	0.4
8	☐	1000.000	990.712	4276805.98	0.6059	P	0.3
9	☐			607.80	0.0001	P	17.8

$$y = 6.1160\text{E-}004 * x + 7.3447\text{E-}006$$

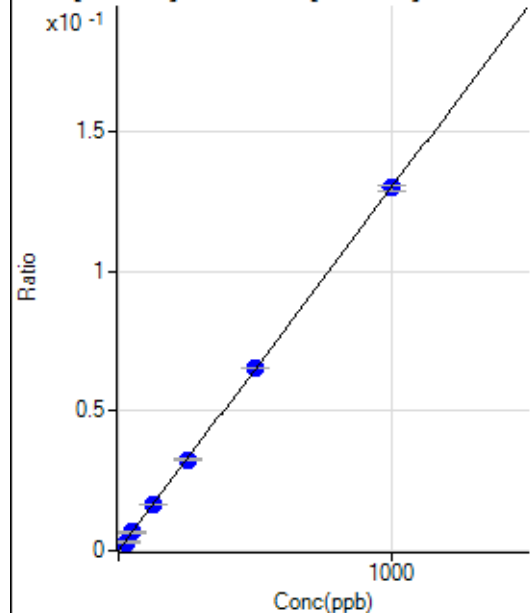
$$R = 0.9998$$

$$DL = 0.00823$$

$$BEC = 0.01201$$

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	650.04	0.0001	P	19.0
2	☐	2.500					
3	☐	25.000	22.864	23424.57	0.0031	P	4.0
4	☐	50.000	50.306	50962.12	0.0066	P	2.6
5	☐	125.000	126.829	125246.58	0.0166	P	1.7
6	☐	250.000	250.570	243078.92	0.0327	P	1.7
7	☐	500.000	501.057	474227.48	0.0653	P	0.1
8	☐	1000.000	999.139	918350.68	0.1301	P	1.8
9	☐			30537.48	0.0047	P	9.8

$$y = 1.3014\text{E-}004 * x + 8.5965\text{E-}005$$

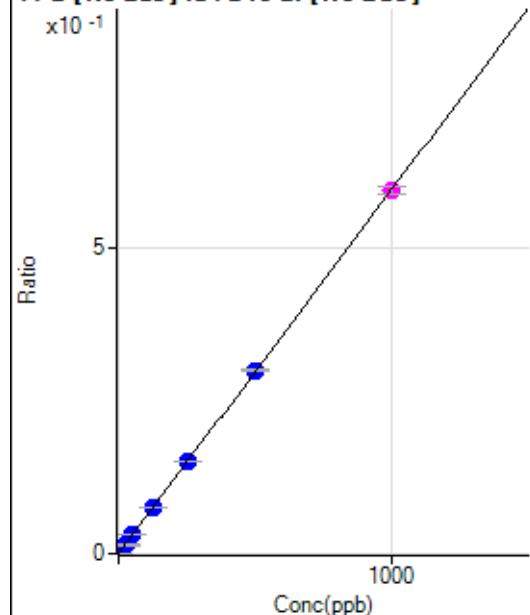
$$R = 1.0000$$

$$DL = 0.3764$$

$$BEC = 0.6606$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3167.13	0.0004	P	6.1
2	☐	2.500					
3	☐	25.000	23.202	108483.28	0.0142	P	2.4
4	☐	50.000	50.749	234435.46	0.0305	P	1.6
5	☐	125.000	127.259	572814.83	0.0759	P	1.1
6	☐	250.000	252.973	1118382.70	0.1504	P	1.3
7	☐	500.000	503.202	2170181.49	0.2988	P	0.9
8	☐	1000.000	997.381	4177142.59	0.5918	M	2.0
9	☐			142074.40	0.0218	P	10.1

$$y = 5.9296E-004 * x + 4.1870E-004$$

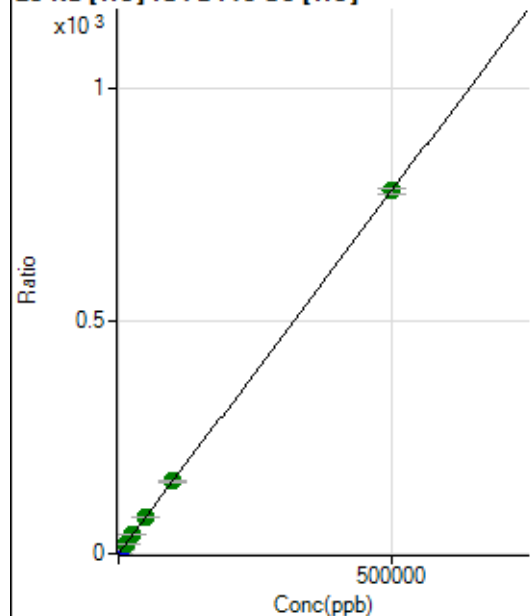
$$R = 1.0000$$

$$DL = 0.1293$$

$$BEC = 0.7061$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12755.90	0.0258	P	2.9
2	☐	50.000					
3	☐	500.000	475.824	380170.21	0.7670	P	0.7
4	☐	5000.000	5237.381	4078170.06	8.1845	P	1.3
5	☐	12500.000	12802.194	9851504.39	19.9689	A	0.4
6	☐	25000.000	25476.677	19116177.16	39.7131	A	1.0
7	☐	50000.000	50157.824	37368484.87	78.1611	A	0.2
8	☐	100000.00	99713.330	76981377.41	155.3582	A	1.2
9	☐	500000.00	500007.81	394550547.7	778.9330	A	1.3

$$y = 0.0016 * x + 0.0258$$

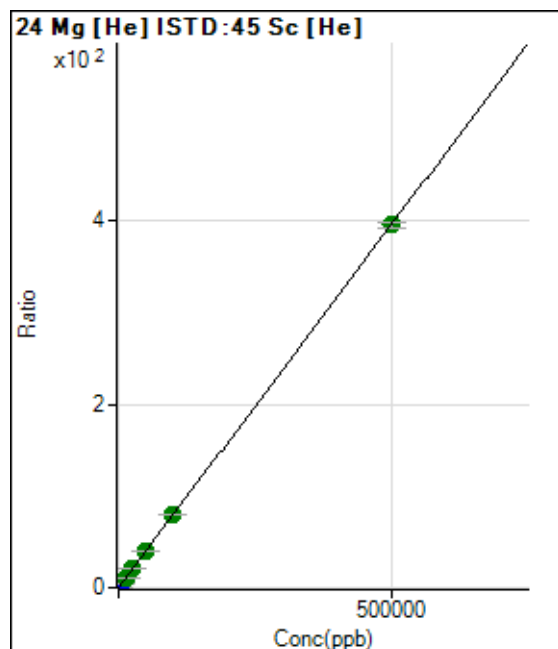
$$R = 1.0000$$

$$DL = 1.433$$

$$BEC = 16.55$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	166.68	0.0003	P	21.8
2	☐	50.000					
3	☐	500.000	508.649	199912.01	0.4033	P	0.3
4	☐	5000.000	5417.993	2139128.28	4.2930	P	0.7
5	☐	12500.000	13183.886	5153457.32	10.4459	A	0.2
6	☐	25000.000	25894.716	9875370.79	20.5166	A	1.4
7	☐	50000.000	51217.855	19401432.03	40.5800	A	0.6
8	☐	100000.00	101083.36	39685168.94	80.0882	A	1.1
9	☐	500000.00	499595.52	200491061.4	395.8276	A	1.4

$$y = 7.9230\text{E-}004 * x + 3.3682\text{E-}004$$

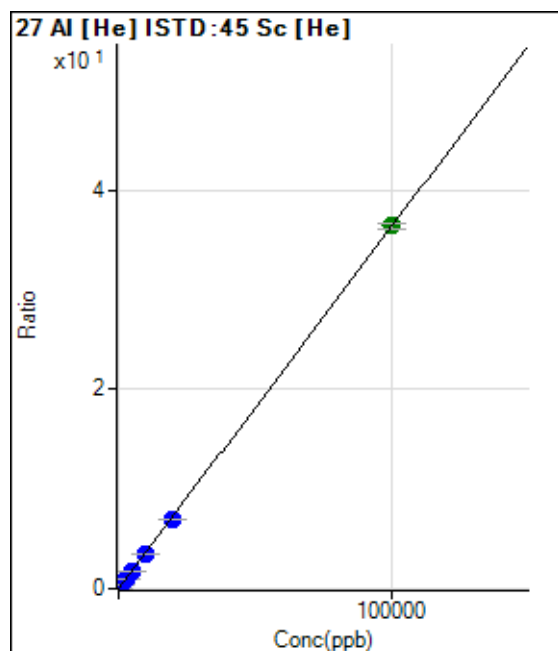
$$R = 1.0000$$

$$DL = 0.2783$$

$$BEC = 0.4251$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	36.11	0.0001	P	53.0
2	☐	2.000					
3	☐	20.000	17.841	3253.27	0.0066	P	4.3
4	☐	1000.000	1004.125	182062.44	0.3654	P	1.4
5	☐	2500.000	2485.029	446018.12	0.9041	P	1.3
6	☐	5000.000	4919.641	861532.92	1.7898	P	1.1
7	☐	10000.000	9721.564	1690858.11	3.5367	P	0.5
8	☐	20000.000	19171.001	3455920.31	6.9743	P	1.0
9	☐	100000.00	100197.99	18463132.88	36.4513	A	1.4

$$y = 3.6379\text{E-}004 * x + 7.2913\text{E-}005$$

$$R = 1.0000$$

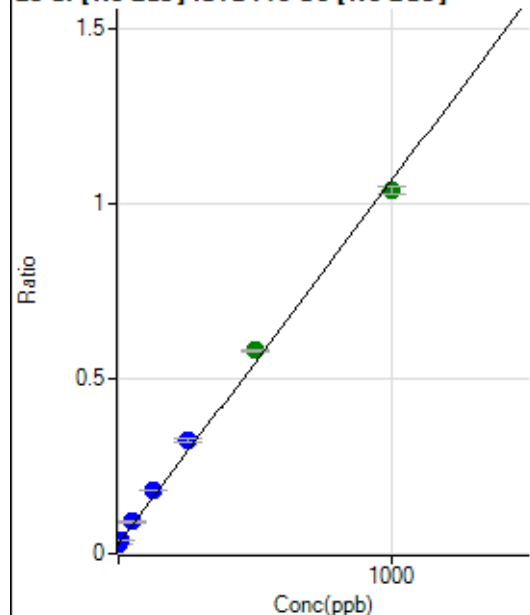
$$DL = 0.3188$$

$$BEC = 0.2004$$

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	296631.11	0.0286	P	1.1
2	☐	1.000					
3	☐	10.000	9.034	389673.31	0.0380	P	0.7
4	☐	50.000	60.289	935391.44	0.0911	P	1.9
5	☐	125.000	146.688	1837684.24	0.1808	P	1.1
6	☐	250.000	285.103	3297866.76	0.3243	P	2.8
7	☐	500.000	532.289	5745112.45	0.5808	A	0.9
8	☐	1000.000	971.864	10306935.91	1.0368	A	2.0
9	☐			1033822.21	0.1096	P	1.6

$$y = 0.0010 * x + 0.0286$$

$$R = 0.9984$$

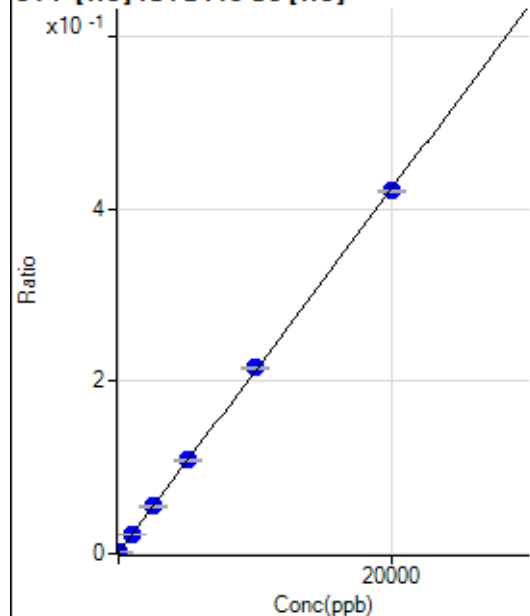
$$DL = 0.9298$$

$$BEC = 27.56$$

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	-25.473	230.57	0.0005	P	18.1
2	☐	0.000					
3	☐	0.000	25.473	763.94	0.0015	P	4.5
4	☐	1000.000	1027.938	11313.03	0.0227	P	4.8
5	☐	2500.000	2554.907	27106.00	0.0549	P	2.1
6	☐	5000.000	5084.677	52158.70	0.1083	P	0.6
7	☐	10000.000	10167.638	103094.40	0.2156	P	1.0
8	☐	20000.000	19886.751	208527.06	0.4208	P	0.7
9	☐			375.02	0.0007	P	26.6

$$y = 2.1110E-005 * x + 0.0010$$

$$R = 0.9999$$

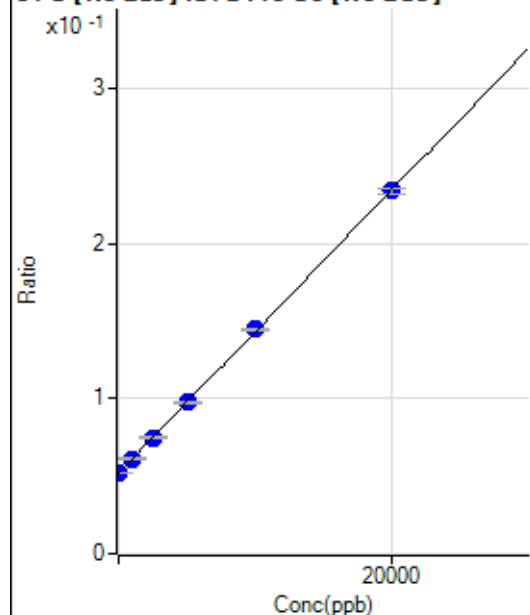
$$DL = 10.89$$

$$BEC = 47.54$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-25.381	538188.59	0.0519	P	0.6
2	☐	0.000					
3	☐	0.000	25.381	537206.76	0.0523	P	0.3
4	☐	1000.000	1008.657	629372.98	0.0613	P	1.4
5	☐	2500.000	2497.910	761913.30	0.0749	P	1.1
6	☐	5000.000	5009.242	995600.86	0.0979	P	1.4
7	☐	10000.000	10135.143	1432239.68	0.1448	P	1.0
8	☐	20000.000	19929.946	2329928.13	0.2344	P	1.4
9	☐			479109.01	0.0508	P	0.9

$$y = 9.1448\text{E-}006 * x + 0.0521$$

R = 1.0000

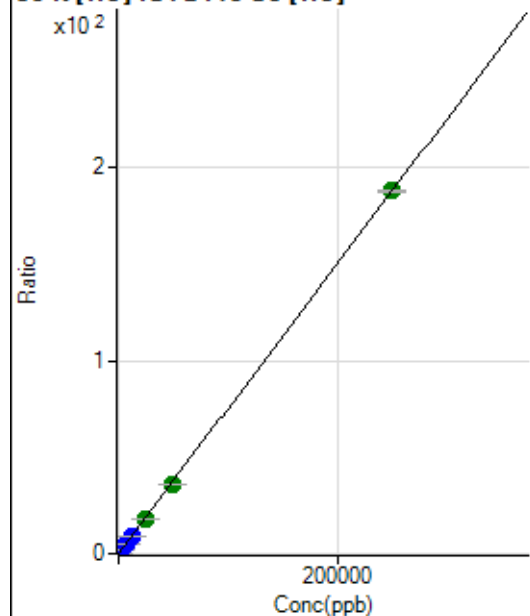
DL = 76

BEC = 5697

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22601.29	0.0457	P	0.6
2	☐	50.000					
3	☐	500.000	453.776	191356.69	0.3861	P	1.5
4	☐	2500.000	2467.645	945124.17	1.8968	P	0.8
5	☐	6250.000	6149.491	2298384.49	4.6587	P	0.4
6	☐	12500.000	12227.333	4437200.32	9.2179	P	0.8
7	☐	25000.000	23925.427	8602040.82	17.9931	A	0.8
8	☐	50000.000	47594.648	17713701.61	35.7483	A	1.2
9	☐	250000.00	250605.09	95251204.21	188.0346	A	0.3

$$y = 7.5014\text{E-}004 * x + 0.0457$$

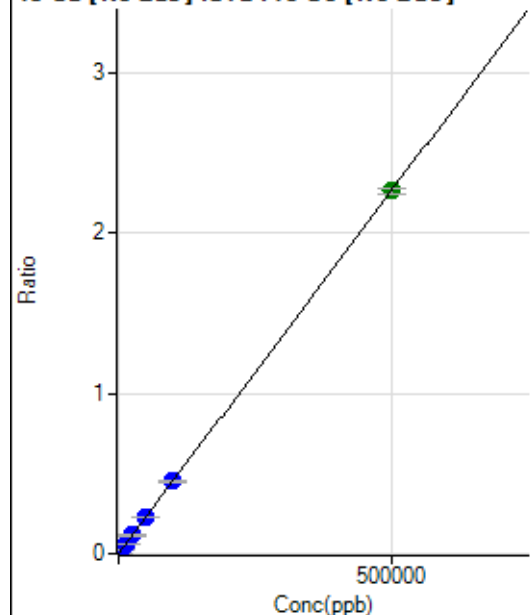
R = 0.9999

DL = 1.151

BEC = 60.88

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	425.02	0.0000	P	8.2
2	☐	50.000					
3	☐	500.000	460.003	21800.12	0.0021	P	2.1
4	☐	5000.000	5096.902	237261.66	0.0231	P	1.0
5	☐	12500.000	12785.262	588924.00	0.0579	P	0.6
6	☐	25000.000	25308.755	1165545.21	0.1146	P	1.9
7	☐	50000.000	50944.577	2281984.58	0.2307	P	1.3
8	☐	100000.00	100297.02	4514535.26	0.4541	P	2.1
9	☐	500000.00	499822.63	21355740.76	2.2629	A	1.3

$$y = 4.5274\text{E-}006 * x + 4.0943\text{E-}005$$

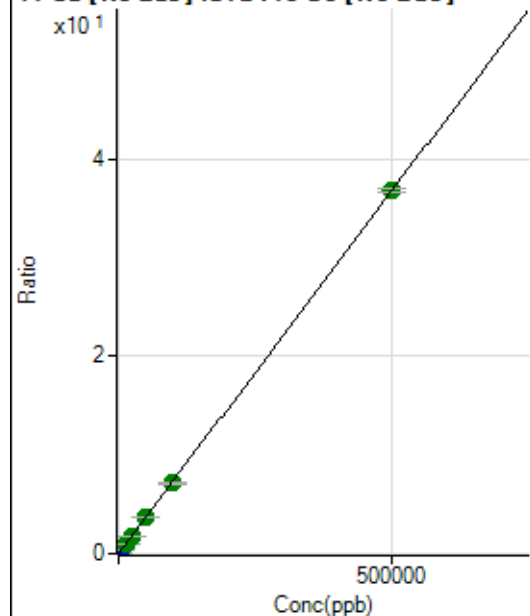
$$R = 1.0000$$

$$DL = 2.23$$

$$BEC = 9.043$$

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	18225.94	0.0018	P	2.5
2	☐	50.000					
3	☐	500.000	456.014	361710.30	0.0352	P	0.5
4	☐	5000.000	5074.954	3842098.57	0.3744	P	1.0
5	☐	12500.000	12311.159	9207820.43	0.9056	A	0.6
6	☐	25000.000	24512.868	18318838.78	1.8014	A	1.1
7	☐	50000.000	49533.880	35993560.88	3.6384	A	0.4
8	☐	100000.00	97229.651	70987742.56	7.1402	A	1.3
9	☐	500000.00	500629.05	346896957.7	36.7571	A	0.9

$$y = 7.3418\text{E-}005 * x + 0.0018$$

$$R = 1.0000$$

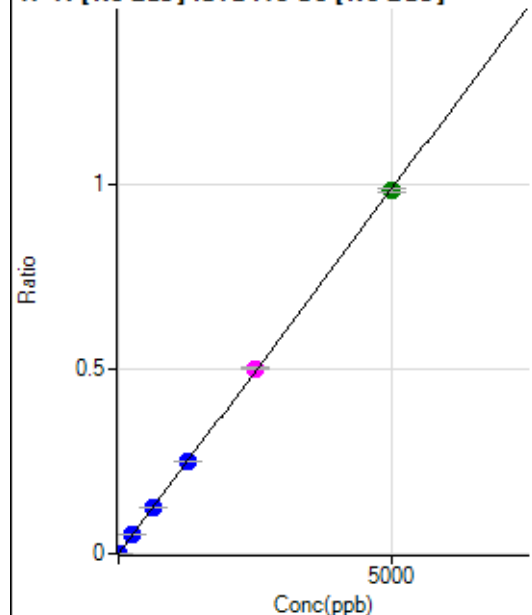
$$DL = 1.786$$

$$BEC = 23.93$$

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	222.23	0.0000	P	14.8
2	☐	0.500					
3	☐	5.000	4.835	10020.40	0.0010	P	1.7
4	☐	250.000	254.609	516256.76	0.0503	P	1.0
5	☐	625.000	635.824	1276816.23	0.1256	P	0.8
6	☐	1250.000	1263.716	2537928.90	0.2496	P	1.1
7	☐	2500.000	2539.520	4961076.93	0.5015	M	1.3
8	☐	5000.000	4975.228	9768143.18	0.9825	A	1.1
9	☐			3859.00	0.0004	P	2.7

$$y = 1.9748\text{E-}004 * x + 2.1428\text{E-}005$$

$$R = 0.9999$$

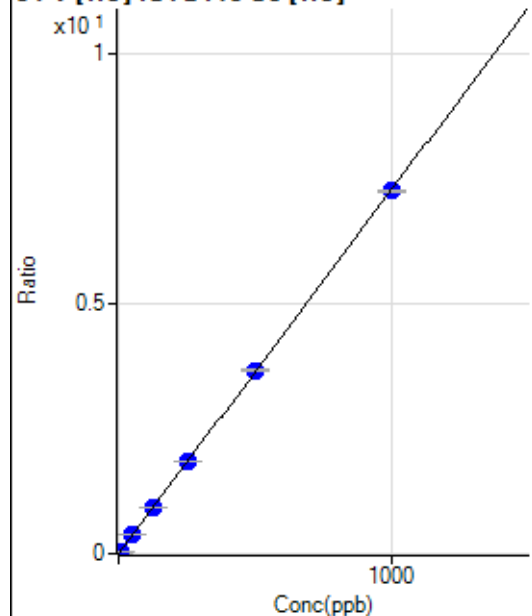
$$DL = 0.04809$$

$$BEC = 0.1085$$

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	3.33	0.0000	P	100.2
2	☐	0.500					
3	☐	5.000	4.894	17681.92	0.0357	P	1.0
4	☐	50.000	51.143	185736.63	0.3728	P	0.8
5	☐	125.000	127.344	457872.94	0.9281	P	1.4
6	☐	250.000	253.794	890335.75	1.8497	P	1.6
7	☐	500.000	503.787	1755381.78	3.6717	P	0.4
8	☐	1000.000	996.808	3600001.79	7.2649	P	0.7
9	☐			647.80	0.0013	P	7.3

$$y = 0.0073 * x + 6.7413\text{E-}006$$

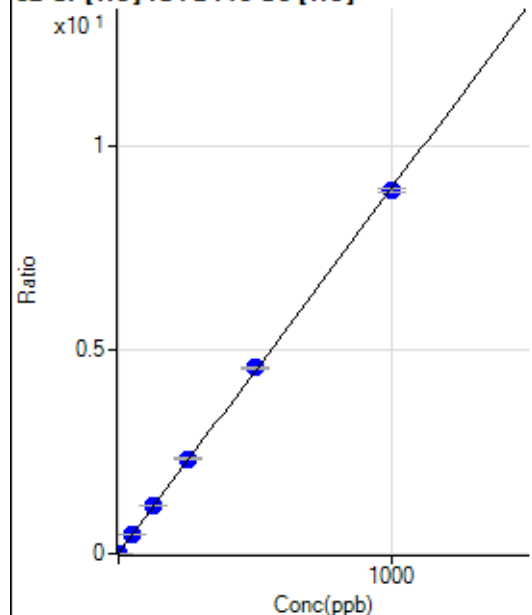
$$R = 1.0000$$

$$DL = 0.002781$$

$$BEC = 0.000925$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2362.45	0.0048	P	2.8
2	☐	0.200					
3	☐	2.000	1.900	10801.86	0.0218	P	1.8
4	☐	50.000	52.820	238099.09	0.4778	P	0.5
5	☐	125.000	129.812	575913.69	1.1674	P	0.2
6	☐	250.000	259.104	1119264.65	2.3253	P	1.5
7	☐	500.000	508.485	2179447.16	4.5587	P	0.7
8	☐	1000.000	992.739	4408003.96	8.8957	P	1.1
9	☐			31493.82	0.0622	P	1.8

$$y = 0.0090 * x + 0.0048$$

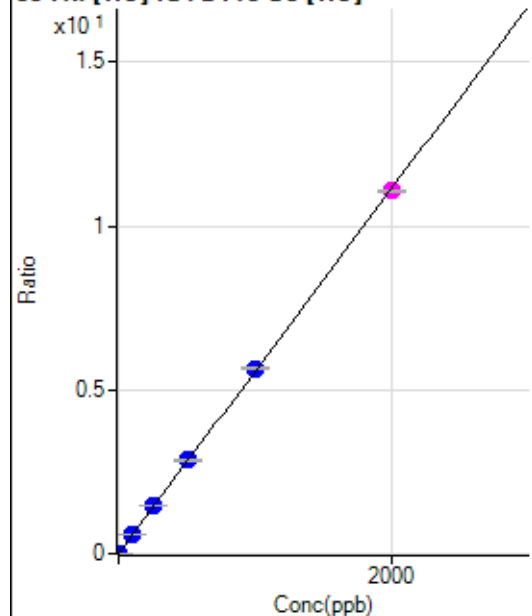
$$R = 0.9999$$

$$DL = 0.04469$$

$$BEC = 0.533$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1843.48	0.0037	P	2.9
2	☐	0.100					
3	☐	1.000	0.907	4349.60	0.0088	P	4.2
4	☐	100.000	104.565	291831.51	0.5857	P	1.1
5	☐	250.000	259.732	714947.23	1.4492	P	0.5
6	☐	500.000	513.865	1378338.90	2.8635	P	1.4
7	☐	1000.000	1013.829	2699222.60	5.6459	P	0.6
8	☐	2000.000	1988.175	5484740.54	11.0684	M	0.6
9	☐			22449.57	0.0443	P	1.8

$$y = 0.0056 * x + 0.0037$$

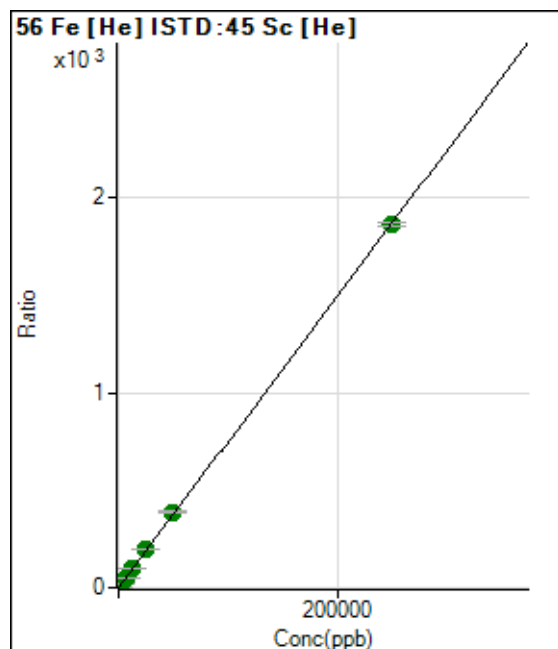
$$R = 0.9999$$

$$DL = 0.0583$$

$$BEC = 0.6694$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17516.47	0.0354	P	3.8
2	☐	5.000					
3	☐	50.000	52.903	213313.45	0.4304	P	0.6
4	☐	2500.000	2783.269	10372056.71	20.8154	A	1.0
5	☐	6250.000	6873.291	25333981.12	51.3516	A	0.6
6	☐	12500.000	13558.846	48742357.57	101.2661	A	1.7
7	☐	25000.000	26791.272	95645974.36	200.0598	A	0.8
8	☐	50000.000	52134.887	192894037.6	389.2760	A	0.9
9	☐	250000.00	249322.53	942881865.5	1,861.484	A	1.1

$$y = 0.0075 * x + 0.0354$$

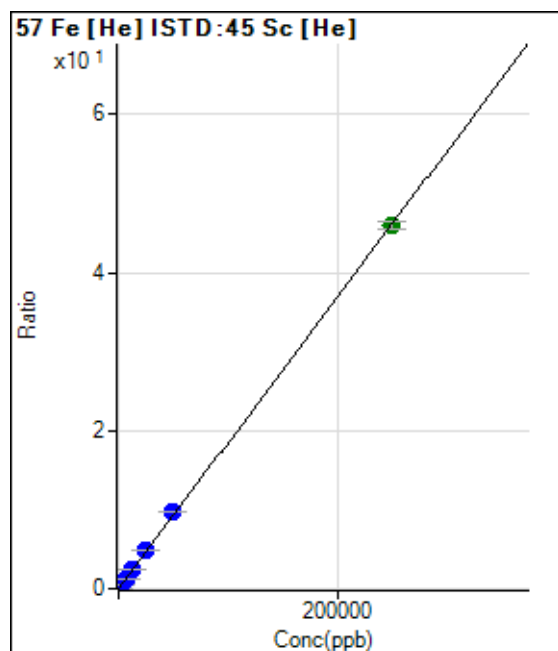
$$R = 0.9999$$

$$DL = 0.5412$$

$$BEC = 4.741$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	427.79	0.0009	P	4.5
2	☐	5.000					
3	☐	50.000	53.773	5334.44	0.0108	P	0.7
4	☐	2500.000	2780.359	255454.19	0.5127	P	0.4
5	☐	6250.000	6837.067	621308.93	1.2594	P	0.7
6	☐	12500.000	13573.570	1203037.42	2.4994	P	1.7
7	☐	25000.000	26607.957	2342050.22	4.8988	P	0.1
8	☐	50000.000	52473.138	4787037.44	9.6599	P	0.8
9	☐	250000.00	249273.41	23240310.01	45.8862	A	2.1

$$y = 1.8408E-004 * x + 8.6448E-004$$

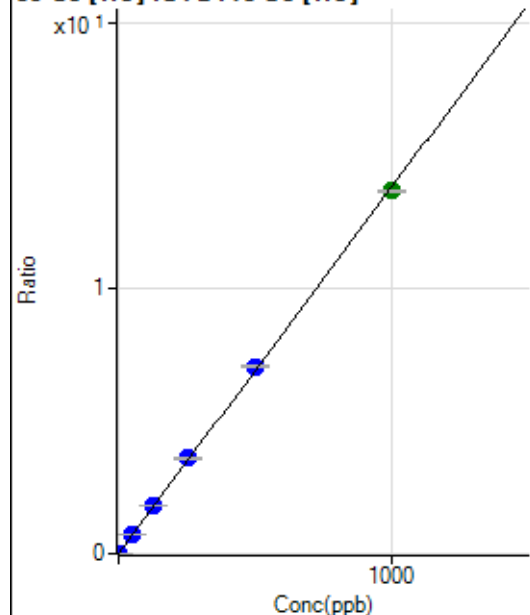
$$R = 0.9999$$

$$DL = 0.6377$$

$$BEC = 4.696$$

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	941.15	0.0019	P	4.2
2	☐	0.100					
3	☐	1.000	0.954	7462.01	0.0151	P	3.8
4	☐	50.000	54.335	374385.61	0.7514	P	1.4
5	☐	125.000	132.105	899926.16	1.8241	P	0.3
6	☐	250.000	261.018	1733840.13	3.6022	P	1.7
7	☐	500.000	511.538	3374133.32	7.0577	P	0.8
8	☐	1000.000	990.372	6770236.01	13.6625	A	0.6
9	☐			77616.44	0.1532	P	2.0

$$y = 0.0138 * x + 0.0019$$

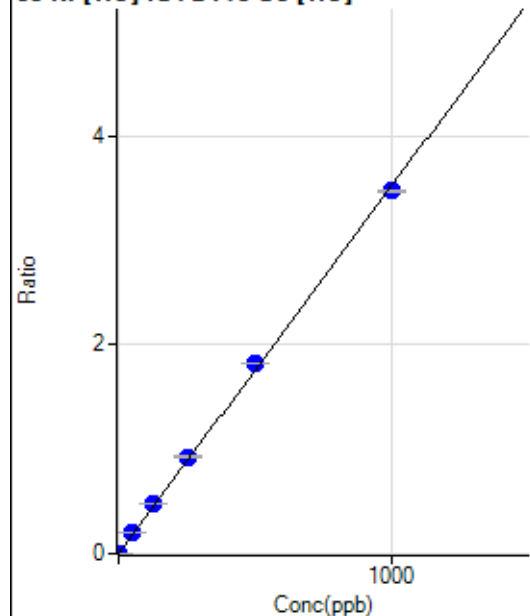
$$R = 0.9998$$

$$DL = 0.01727$$

$$BEC = 0.1379$$

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	235.56	0.0005	P	8.8
2	☐	0.100					
3	☐	1.000	1.042	2054.63	0.0041	P	4.3
4	☐	50.000	55.278	97179.60	0.1950	P	0.3
5	☐	125.000	134.389	233567.55	0.4735	P	0.9
6	☐	250.000	263.484	446578.20	0.9278	P	1.5
7	☐	500.000	516.212	868805.76	1.8173	P	0.3
8	☐	1000.000	987.085	1721704.85	3.4745	P	0.6
9	☐			20043.93	0.0396	P	1.8

$$y = 0.0035 * x + 4.7595E-004$$

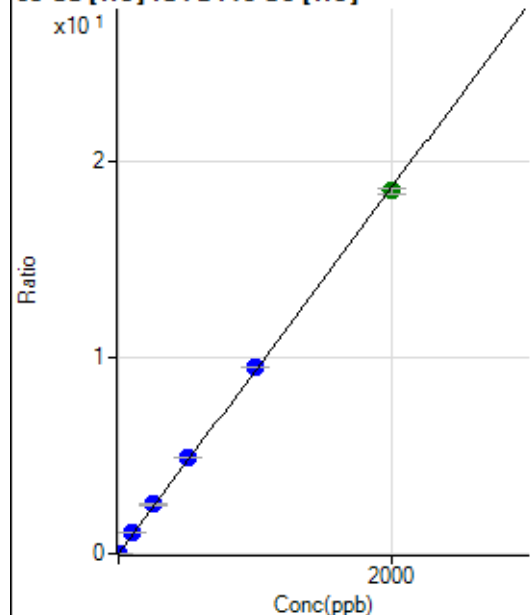
$$R = 0.9997$$

$$DL = 0.03582$$

$$BEC = 0.1352$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	938.94	0.0019	P	2.0
2	☐	0.200					
3	☐	2.000	1.980	10096.95	0.0204	P	0.8
4	☐	100.000	110.783	515915.83	1.0354	P	0.3
5	☐	250.000	268.779	1237898.87	2.5093	P	0.9
6	☐	500.000	524.149	2354622.97	4.8916	P	0.9
7	☐	1000.000	1016.446	4534189.48	9.4841	P	0.3
8	☐	2000.000	1982.853	9166690.77	18.4994	A	1.3
9	☐			13269.52	0.0262	P	3.3

$$y = 0.0093 * x + 0.0019$$

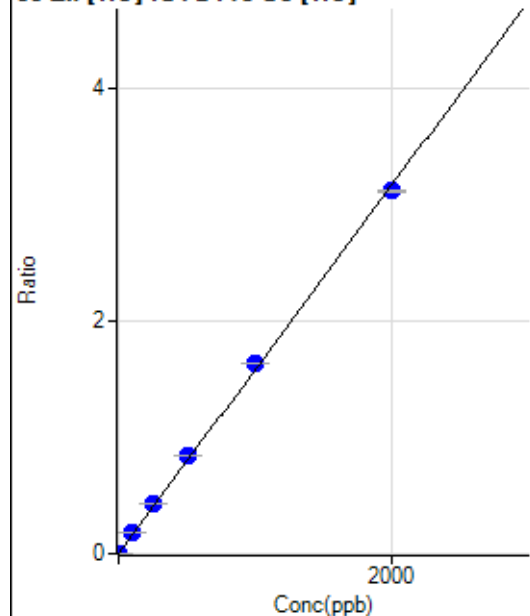
$$R = 0.9998$$

$$DL = 0.01233$$

$$BEC = 0.2034$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	166.67	0.0003	P	17.4
2	☐	0.200					
3	☐	2.000	2.042	1764.59	0.0036	P	5.0
4	☐	100.000	111.260	87706.13	0.1760	P	0.9
5	☐	250.000	271.825	211907.14	0.4295	P	1.2
6	☐	500.000	532.187	404688.32	0.8407	P	0.4
7	☐	1000.000	1035.521	781862.37	1.6354	P	0.6
8	☐	2000.000	1970.902	1542321.02	3.1124	P	0.6
9	☐			9002.89	0.0178	P	4.8

$$y = 0.0016 * x + 3.3680E-004$$

$$R = 0.9996$$

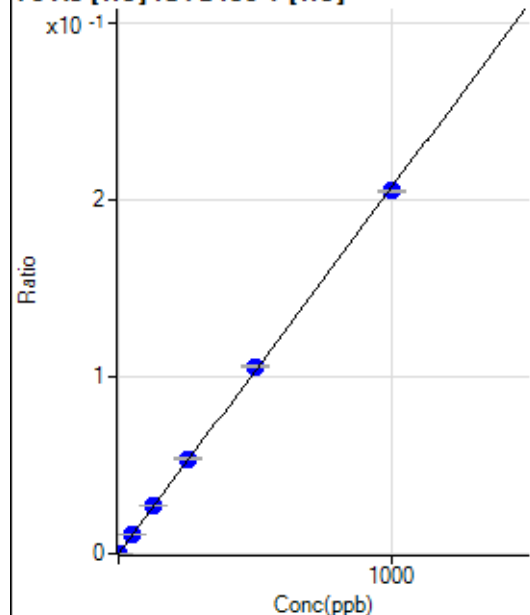
$$DL = 0.1115$$

$$BEC = 0.2133$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	29.63	0.0000	P	7.1
2	☐	0.100					
3	☐	1.000	0.887	448.78	0.0002	P	7.1
4	☐	50.000	52.739	25390.73	0.0109	P	0.9
5	☐	125.000	131.317	61931.27	0.0272	P	0.4
6	☐	250.000	259.213	120371.50	0.0537	P	1.2
7	☐	500.000	511.276	235695.34	0.1059	P	1.1
8	☐	1000.000	991.133	472961.78	0.2053	P	0.7
9	☐			612.36	0.0003	P	1.0

$$y = 2.0710E-004 * x + 1.3018E-005$$

$$R = 0.9998$$

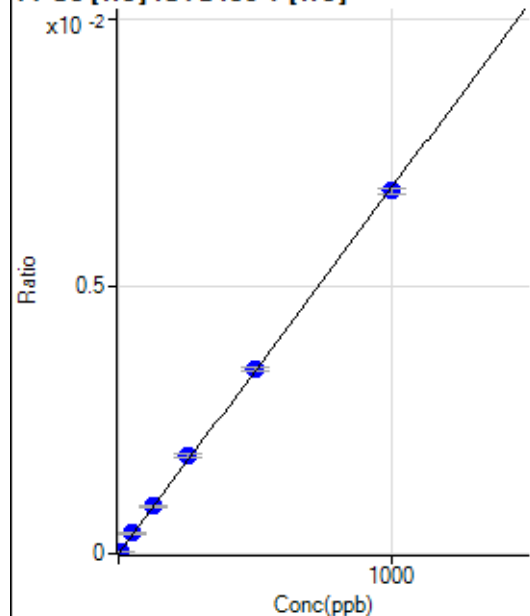
$$DL = 0.0134$$

$$BEC = 0.06286$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	5.339	83.34	0.0000	P	31.2
4	☐	50.000	55.248	877.82	0.0004	P	3.5
5	☐	125.000	130.430	2031.29	0.0009	P	3.6
6	☐	250.000	268.377	4119.54	0.0018	P	3.5
7	☐	500.000	505.713	7702.15	0.0035	P	1.6
8	☐	1000.000	991.607	15635.32	0.0068	P	1.9
9	☐			2.22	0.0000	P	86.6

$$y = 6.8431E-006 * x + 0.0000E+000$$

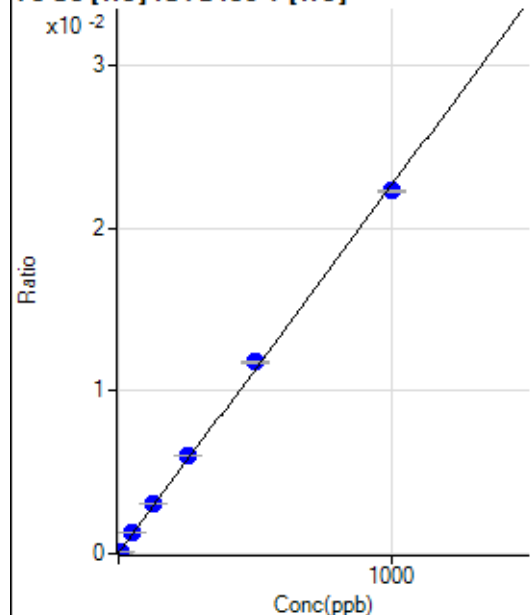
$$R = 0.9998$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	87.04	0.0000	P	20.6
2	☐	0.500					
3	☐	5.000	5.065	348.16	0.0002	P	12.3
4	☐	50.000	55.175	2983.67	0.0013	P	4.2
5	☐	125.000	134.153	6986.91	0.0031	P	2.3
6	☐	250.000	265.579	13540.36	0.0060	P	1.5
7	☐	500.000	519.060	26193.48	0.0118	P	1.6
8	☐	1000.000	985.172	51382.56	0.0223	P	0.8
9	☐			90.74	0.0000	P	11.4

$$y = 2.2598\text{E-}005 * x + 3.8195\text{E-}005$$

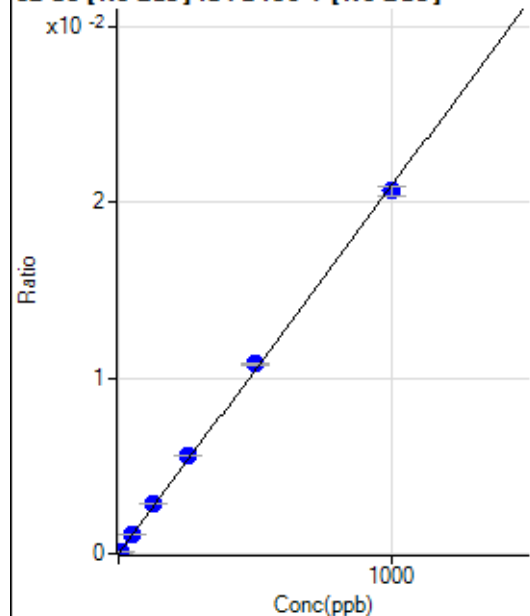
$$R = 0.9996$$

$$DL = 1.047$$

$$BEC = 1.69$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-13.34	0.0000	P	-210.
2	☐	0.500					
3	☐	5.000	5.271	1537.30	0.0001	P	3.9
4	☐	50.000	54.023	15966.55	0.0011	P	1.5
5	☐	125.000	136.151	39553.36	0.0028	P	1.1
6	☐	250.000	265.732	77922.45	0.0056	P	0.7
7	☐	500.000	515.441	148127.03	0.0108	P	1.2
8	☐	1000.000	986.750	282588.74	0.0206	P	2.3
9	☐			94.24	0.0000	P	41.3

$$y = 2.0901\text{E-}005 * x - 9.4647\text{E-}007$$

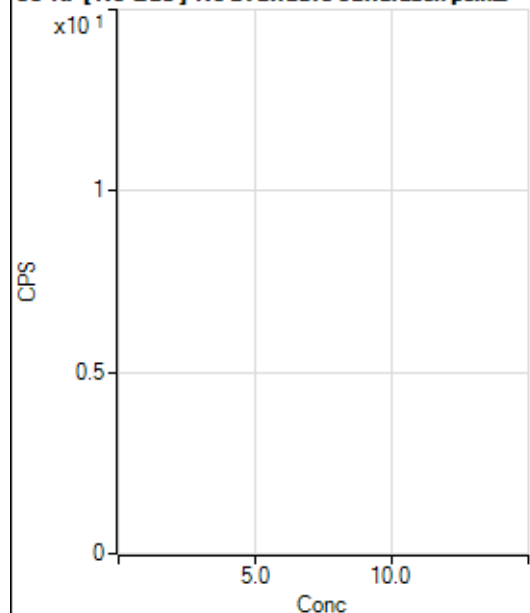
$$R = 0.9997$$

$$DL = 0.2865$$

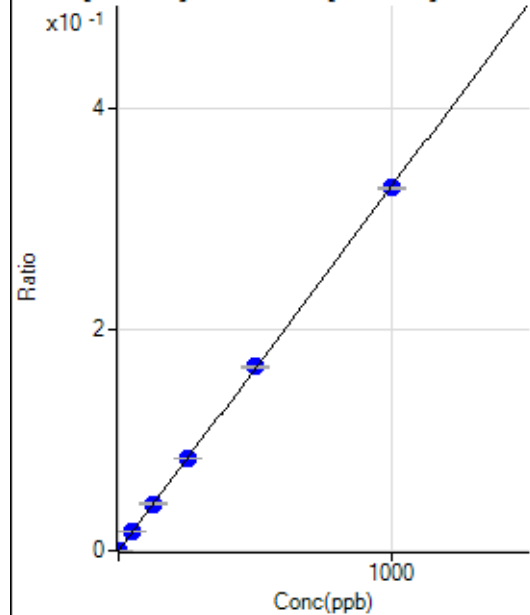
$$BEC = -0.04528$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			535.57		P	3.1
2	☐						
3	☐			523.35		P	7.8
4	☐			551.13		P	6.6
5	☐			556.69		P	10.0
6	☐			561.13		P	6.8
7	☐			542.24		P	7.3
8	☐			573.36		P	2.9
9	☐			588.91		P	2.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	941.73	0.0001	P	7.6
2	☐	0.100					
3	☐	1.000	0.776	4528.68	0.0003	P	5.0
4	☐	50.000	51.205	239890.47	0.0170	P	1.7
5	☐	125.000	128.505	590096.04	0.0424	P	1.7
6	☐	250.000	253.041	1171839.56	0.0835	P	1.1
7	☐	500.000	505.051	2291017.95	0.1666	P	1.4
8	☐	1000.000	996.216	4502858.39	0.3286	P	0.6
9	☐			15962.23	0.0012	P	2.7

$$y = 3.2976E-004 * x + 6.5903E-005$$

$$R = 1.0000$$

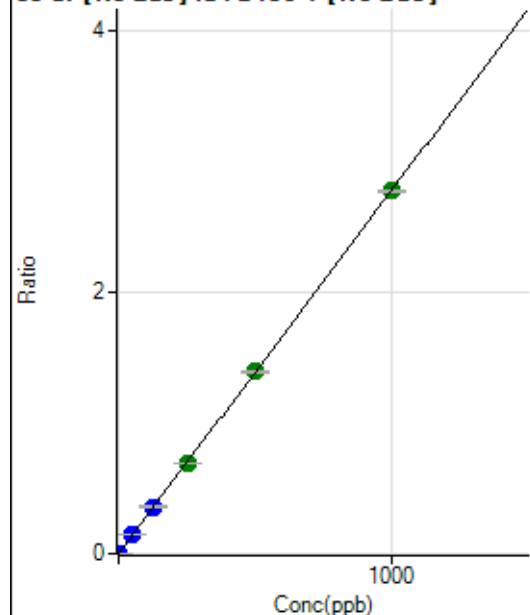
$$DL = 0.04572$$

$$BEC = 0.1999$$

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	444.47	0.0000	P	21.7
2	☐	0.100					
3	☐	1.000	0.815	32354.18	0.0023	P	1.0
4	☐	50.000	51.512	2028172.09	0.1433	P	0.6
5	☐	125.000	129.059	4991455.15	0.3590	P	1.2
6	☐	250.000	248.455	9697522.87	0.6911	A	0.4
7	☐	500.000	501.150	19169138.62	1.3939	A	0.3
8	☐	1000.000	999.228	38088367.17	2.7793	A	0.8
9	☐			136453.72	0.0105	P	1.5

$$y = 0.0028 * x + 3.1151E-005$$

$$R = 1.0000$$

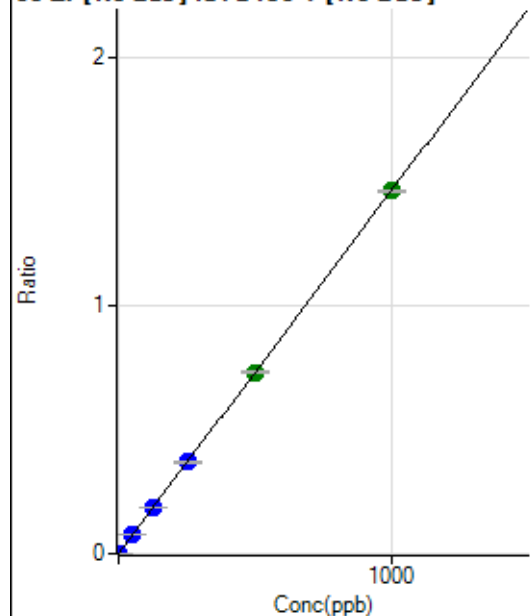
$$DL = 0.007275$$

$$BEC = 0.0112$$

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	1141.76	0.0001	P	10.6
2	☐	0.100					
3	☐	1.000	0.859	18852.02	0.0013	P	0.8
4	☐	50.000	50.434	1047876.68	0.0740	P	0.7
5	☐	125.000	127.960	2610272.13	0.1877	P	1.1
6	☐	250.000	251.981	5186545.43	0.3696	P	0.9
7	☐	500.000	500.120	10087025.05	0.7335	A	0.4
8	☐	1000.000	999.053	20080119.02	1.4652	A	0.8
9	☐			6554.55	0.0005	P	4.8

$$y = 0.0015 * x + 7.9925E-005$$

$$R = 1.0000$$

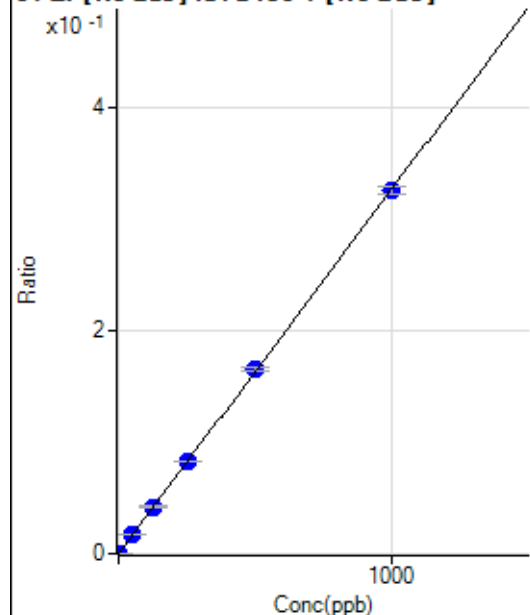
$$DL = 0.01738$$

$$BEC = 0.0545$$

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	311.13	0.0000	P	10.2
2	☐	0.100					
3	☐	1.000	0.855	4228.58	0.0003	P	4.2
4	☐	50.000	50.496	233171.58	0.0165	P	1.4
5	☐	125.000	128.765	583663.39	0.0420	P	2.0
6	☐	250.000	253.667	1160210.79	0.0827	P	0.6
7	☐	500.000	504.933	2262718.63	0.1646	P	2.2
8	☐	1000.000	996.122	4448207.04	0.3246	P	2.0
9	☐			1361.24	0.0001	P	17.7

$$y = 3.2586\text{E-}004 * x + 2.1795\text{E-}005$$

$$R = 1.0000$$

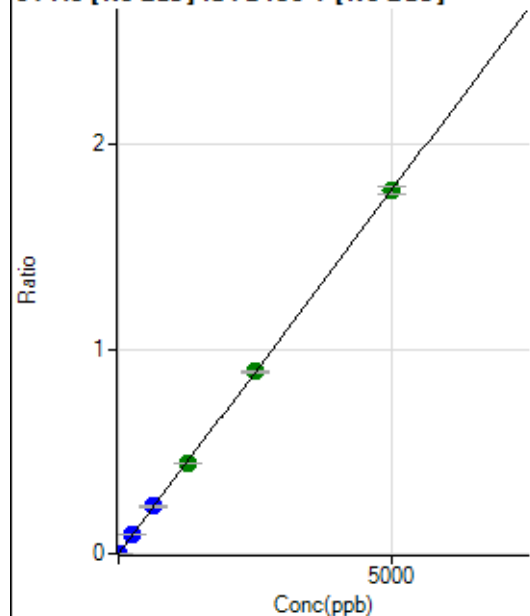
$$DL = 0.02054$$

$$BEC = 0.06688$$

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	400.02	0.0000	P	21.3
2	☐	0.500					
3	☐	5.000	4.571	23250.27	0.0017	P	2.9
4	☐	250.000	253.962	1277192.68	0.0902	P	0.6
5	☐	625.000	649.319	3207615.02	0.2307	P	0.8
6	☐	1250.000	1250.092	6231897.62	0.4441	A	1.0
7	☐	2500.000	2507.327	12248859.48	0.8907	A	0.6
8	☐	5000.000	4993.076	24305947.07	1.7738	A	2.0
9	☐			13056.51	0.0010	P	6.1

$$y = 3.5525\text{E-}004 * x + 2.7984\text{E-}005$$

$$R = 1.0000$$

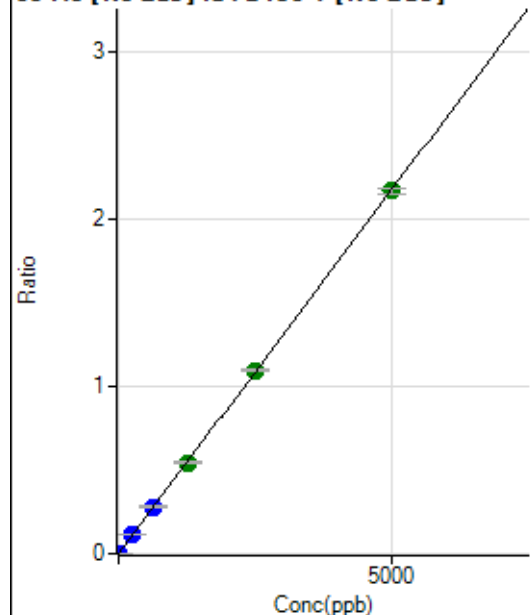
$$DL = 0.05024$$

$$BEC = 0.07877$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	66.67	0.0000	P	22.3
2	☐	0.500					
3	☐	5.000	4.692	28807.74	0.0020	P	1.0
4	☐	250.000	256.643	1580749.93	0.1117	P	0.8
5	☐	625.000	645.673	3906985.07	0.2810	P	1.9
6	☐	1250.000	1251.003	7639548.78	0.5444	A	1.2
7	☐	2500.000	2517.290	15064507.45	1.0955	A	1.3
8	☐	5000.000	4988.188	29748117.33	2.1709	A	1.7
9	☐			17614.26	0.0014	P	5.1

$$y = 4.3521\text{E-}004 * x + 4.6719\text{E-}006$$

$$R = 1.0000$$

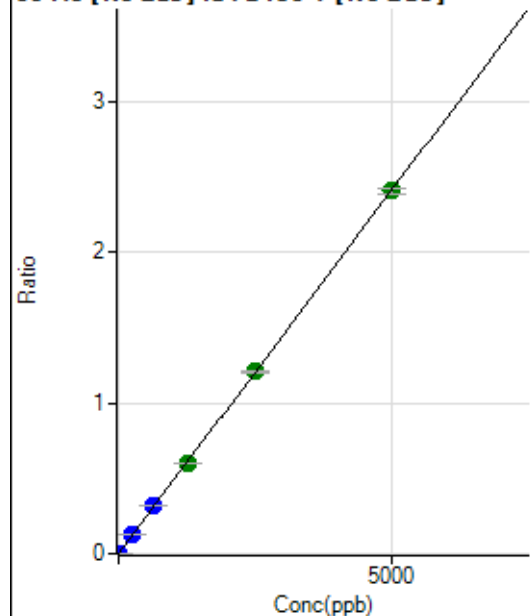
$$DL = 0.00718$$

$$BEC = 0.01073$$

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	258.35	0.0000	P	25.2
2	☐	0.500					
3	☐	5.000	4.679	32014.59	0.0023	P	2.4
4	☐	250.000	256.749	1752643.24	0.1238	P	0.5
5	☐	625.000	650.409	4361682.99	0.3137	P	0.4
6	☐	1250.000	1247.507	8442200.10	0.6017	A	1.1
7	☐	2500.000	2506.443	16622494.12	1.2088	A	0.8
8	☐	5000.000	4993.888	33003319.49	2.4084	A	1.6
9	☐			28134.22	0.0022	P	6.2

$$y = 4.8227\text{E-}004 * x + 1.8114\text{E-}005$$

$$R = 1.0000$$

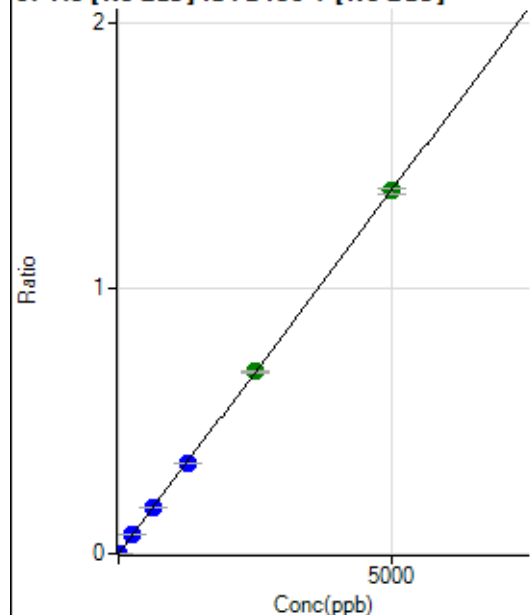
$$DL = 0.02836$$

$$BEC = 0.03756$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.00	0.0000	P	32.4
2	☐	0.500					
3	☐	5.000	4.639	17903.50	0.0013	P	3.0
4	☐	250.000	255.453	989820.55	0.0699	P	0.8
5	☐	625.000	645.733	2458236.52	0.1768	P	0.2
6	☐	1250.000	1251.356	4807629.23	0.3426	P	0.7
7	☐	2500.000	2502.924	9423068.18	0.6853	A	1.5
8	☐	5000.000	4995.335	18741917.61	1.3677	A	1.4
9	☐			11085.31	0.0009	P	5.0

$$y = 2.7379\text{E-}004 * x + 1.7467\text{E-}006$$

$$R = 1.0000$$

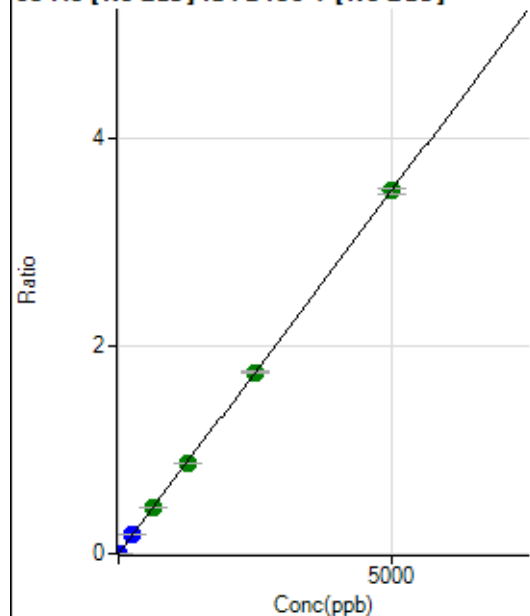
$$DL = 0.006193$$

$$BEC = 0.00638$$

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	83.34	0.0000	P	20.8
2	☐	0.500					
3	☐	5.000	4.653	45925.08	0.0033	P	1.1
4	☐	250.000	257.312	2548860.82	0.1801	P	1.0
5	☐	625.000	629.835	6129764.12	0.4408	A	0.5
6	☐	1250.000	1243.124	12209023.45	0.8701	A	0.8
7	☐	2500.000	2503.193	24092992.90	1.7521	A	0.6
8	☐	5000.000	4999.153	47949203.16	3.4991	A	1.3
9	☐			26890.18	0.0021	P	8.3

$$y = 6.9993\text{E-}004 * x + 5.8418\text{E-}006$$

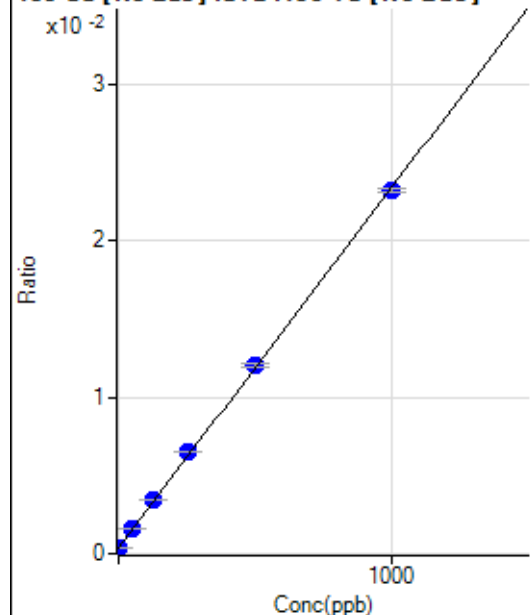
$$R = 1.0000$$

$$DL = 0.00521$$

$$BEC = 0.008346$$

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	5970.97	0.0004	P	1.1
2	☐	0.100					
3	☐	1.000	1.754	6626.83	0.0004	P	2.8
4	☐	50.000	54.384	26898.73	0.0016	P	1.0
5	☐	125.000	132.316	56312.95	0.0034	P	0.6
6	☐	250.000	266.770	107456.39	0.0065	P	0.9
7	☐	500.000	507.441	199027.01	0.0121	P	1.8
8	☐	1000.000	990.952	383661.08	0.0232	P	0.9
9	☐			5990.40	0.0004	P	3.8

$$y = 2.3054\text{E-}005 * x + 3.6143\text{E-}004$$

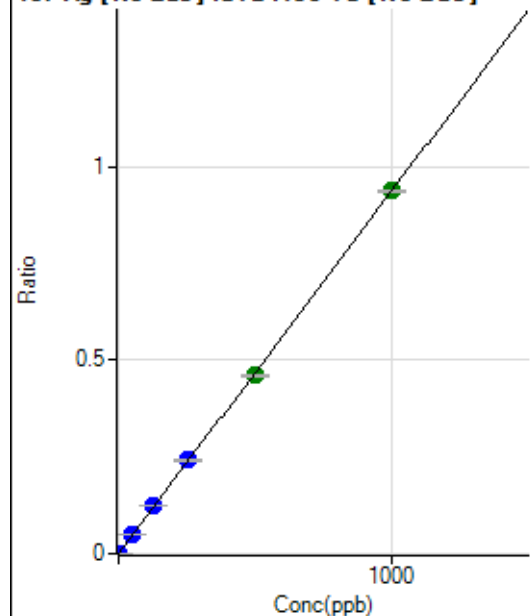
$$R = 0.9998$$

$$DL = 0.5395$$

$$BEC = 15.68$$

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	150.01	0.0000	P	23.2
2	☐	0.100					
3	☐	1.000	0.990	15442.35	0.0009	P	3.3
4	☐	50.000	54.230	846226.06	0.0508	P	1.4
5	☐	125.000	133.833	2069610.72	0.1254	P	0.7
6	☐	250.000	257.741	3984886.11	0.2415	P	1.3
7	☐	500.000	491.078	7593104.94	0.4601	A	0.6
8	☐	1000.000	1001.210	15507759.55	0.9380	A	0.4
9	☐			1266.78	0.0001	P	18.6

$$y = 9.3686\text{E-}004 * x + 9.0671\text{E-}006$$

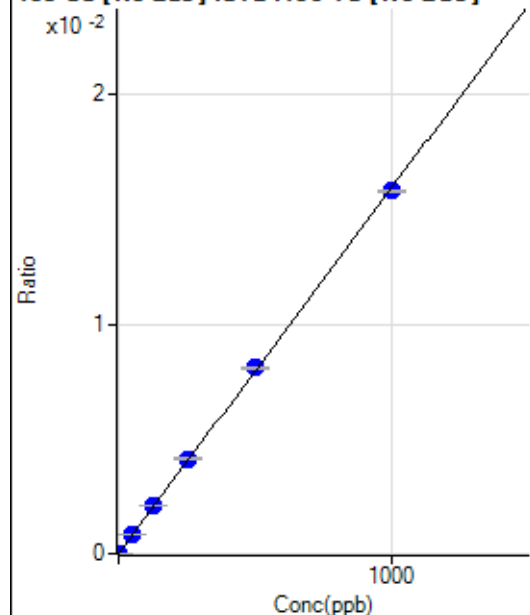
$$R = 0.9999$$

$$DL = 0.006723$$

$$BEC = 0.009678$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.95	0.0000	P	52.2
2	☐	0.100					
3	☐	1.000	0.921	273.62	0.0000	P	16.7
4	☐	50.000	53.913	14336.67	0.0009	P	2.1
5	☐	125.000	133.351	35100.80	0.0021	P	0.8
6	☐	250.000	259.342	68220.69	0.0041	P	2.0
7	☐	500.000	508.023	133619.56	0.0081	P	1.0
8	☐	1000.000	992.413	261450.63	0.0158	P	0.4
9	☐			79.17	0.0000	P	41.4

$$y = 1.5933\text{E-}005 * x + 1.9276\text{E-}006$$

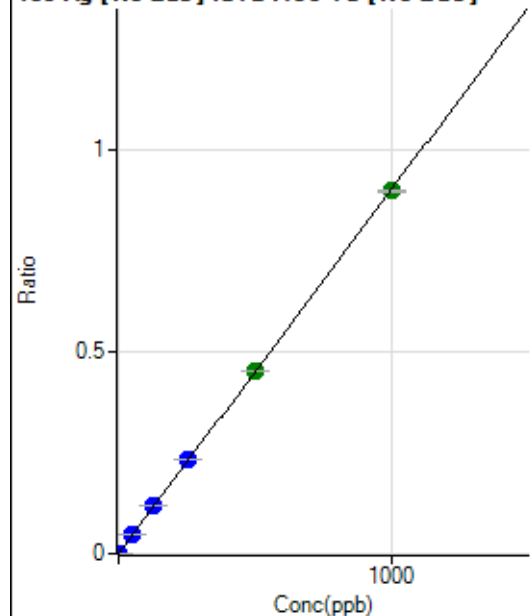
$$R = 0.9999$$

$$DL = 0.1896$$

$$BEC = 0.121$$

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	100.01	0.0000	P	17.2
2	☐	0.100					
3	☐	1.000	0.985	14710.96	0.0009	P	2.3
4	☐	50.000	54.539	817311.08	0.0491	P	0.6
5	☐	125.000	134.118	1991869.58	0.1207	P	0.5
6	☐	250.000	258.167	3833403.12	0.2323	P	1.1
7	☐	500.000	500.605	7434148.78	0.4504	A	0.4
8	☐	1000.000	996.289	14820021.51	0.8964	A	0.8
9	☐			1183.43	0.0001	P	19.0

$$y = 8.9977\text{E-}004 * x + 6.0582\text{E-}006$$

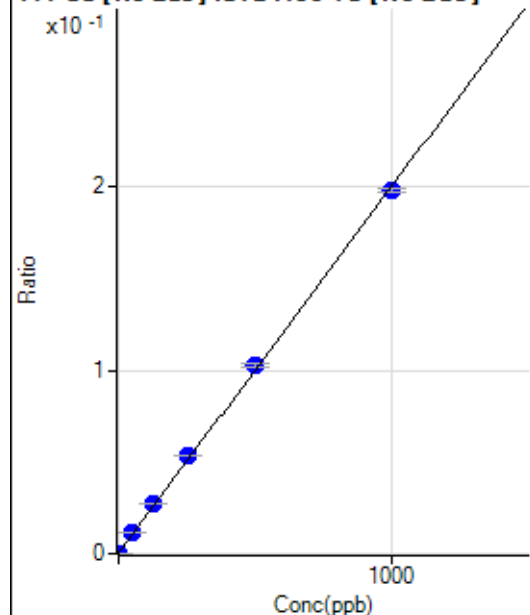
$$R = 0.9999$$

$$DL = 0.003478$$

$$BEC = 0.006733$$

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	4192.04	0.0003	P	1.1
2	☐	0.100					
3	☐	1.000	1.052	7651.85	0.0005	P	3.4
4	☐	50.000	54.851	186818.47	0.0112	P	1.4
5	☐	125.000	134.995	449570.57	0.0272	P	0.9
6	☐	250.000	267.111	885310.43	0.0536	P	1.1
7	☐	500.000	511.519	1691678.59	0.1025	P	2.0
8	☐	1000.000	988.471	3270793.87	0.1978	P	1.2
9	☐			4672.61	0.0003	P	4.4

$$y = 1.9989\text{E-}004 * x + 2.5375\text{E-}004$$

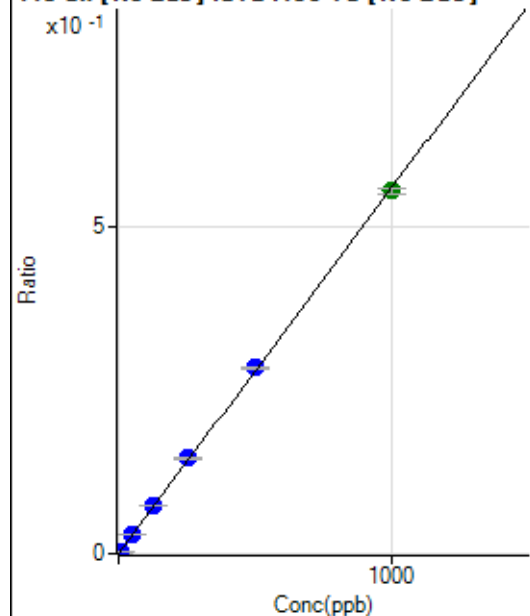
$$R = 0.9997$$

$$DL = 0.04148$$

$$BEC = 1.269$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	844.51	0.0001	P	18.9
2	☐	0.500					
3	☐	5.000	4.993	46851.24	0.0028	P	0.9
4	☐	50.000	52.371	488112.92	0.0293	P	0.7
5	☐	125.000	131.553	1213948.57	0.0735	P	0.7
6	☐	250.000	260.760	2404986.25	0.1457	P	1.0
7	☐	500.000	508.098	4685671.24	0.2839	P	1.6
8	☐	1000.000	992.323	9165920.17	0.5545	A	1.6
9	☐			6607.39	0.0004	P	7.4

$$y = 5.5870\text{E-}004 * x + 5.1191\text{E-}005$$

$$R = 0.9999$$

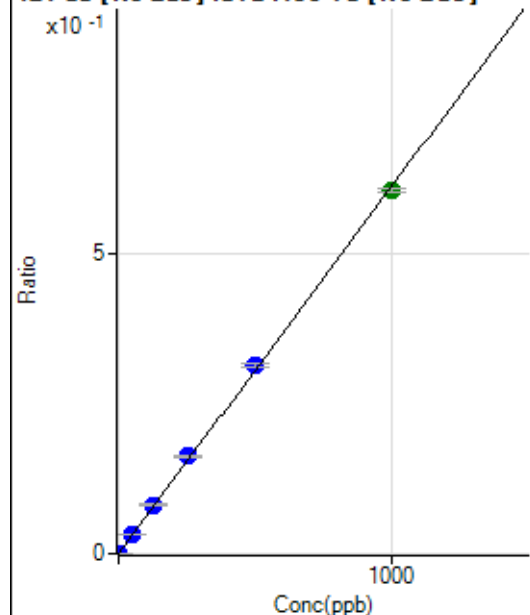
$$DL = 0.05208$$

$$BEC = 0.09162$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	208.35	0.0000	P	33.0
2	☐	0.200					
3	☐	2.000	1.837	18685.40	0.0011	P	3.3
4	☐	50.000	53.206	540545.07	0.0325	P	0.7
5	☐	125.000	133.494	1343837.23	0.0814	P	0.9
6	☐	250.000	265.134	2668348.73	0.1617	P	1.5
7	☐	500.000	512.998	5163064.79	0.3129	P	1.5
8	☐	1000.000	988.496	9965716.02	0.6028	A	1.1
9	☐			11343.94	0.0007	P	1.1

$$y = 6.0982\text{E-}004 * x + 1.2624\text{E-}005$$

$$R = 0.9997$$

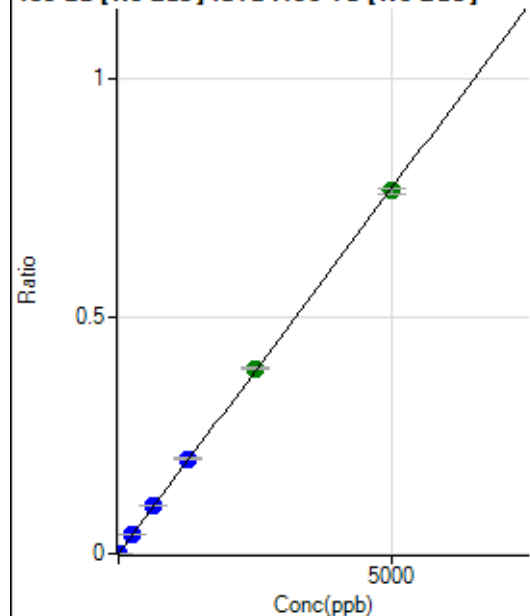
$$DL = 0.02052$$

$$BEC = 0.0207$$

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	333.36	0.0000	P	19.6
2	☐	1.000					
3	☐	10.000	9.593	24692.35	0.0015	P	2.0
4	☐	250.000	261.397	670632.40	0.0403	P	0.8
5	☐	625.000	658.036	1672770.97	0.1013	P	0.6
6	☐	1250.000	1299.711	3302920.08	0.2002	P	2.0
7	☐	2500.000	2533.241	6438089.94	0.3901	A	0.7
8	☐	5000.000	4966.253	12642418.60	0.7647	A	1.3
9	☐			2428.10	0.0002	P	17.3

$$y = 1.5398\text{E-}004 * x + 2.0180\text{E-}005$$

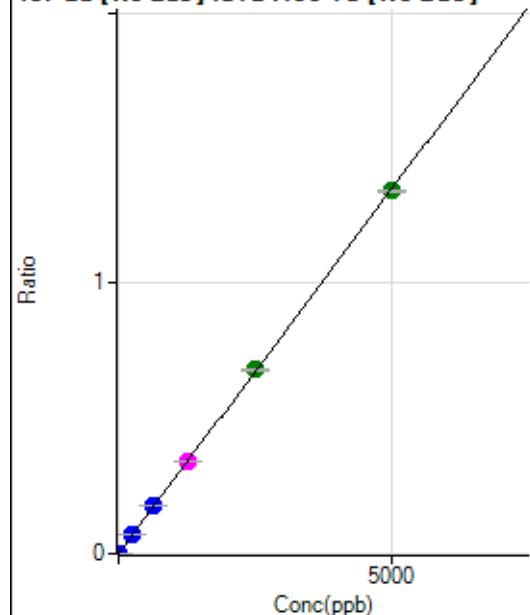
$$R = 0.9999$$

$$DL = 0.07702$$

$$BEC = 0.1311$$

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	669.49	0.0000	P	18.1
2	☐	1.000					
3	☐	10.000	9.669	43622.91	0.0026	P	2.0
4	☐	250.000	258.812	1161701.40	0.0698	P	0.8
5	☐	625.000	654.314	2909692.62	0.1763	P	1.3
6	☐	1250.000	1273.846	5663277.56	0.3432	M	0.3
7	☐	2500.000	2522.207	11214184.97	0.6795	A	1.0
8	☐	5000.000	4978.831	22172955.88	1.3412	A	0.9
9	☐			4278.65	0.0003	P	12.9

$$y = 2.6937E-004 * x + 4.0525E-005$$

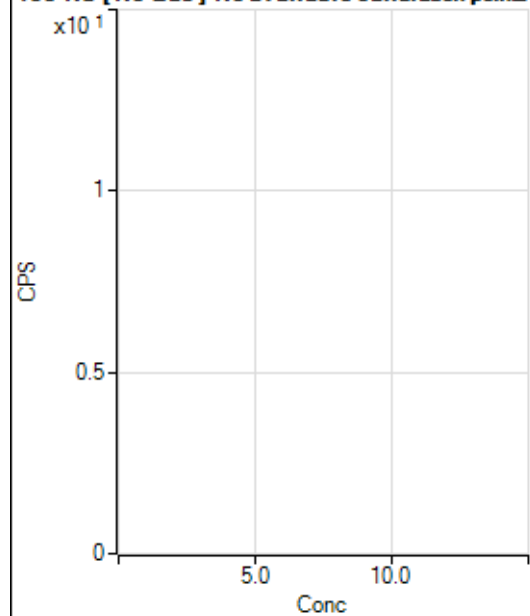
$$R = 1.0000$$

$$DL = 0.08187$$

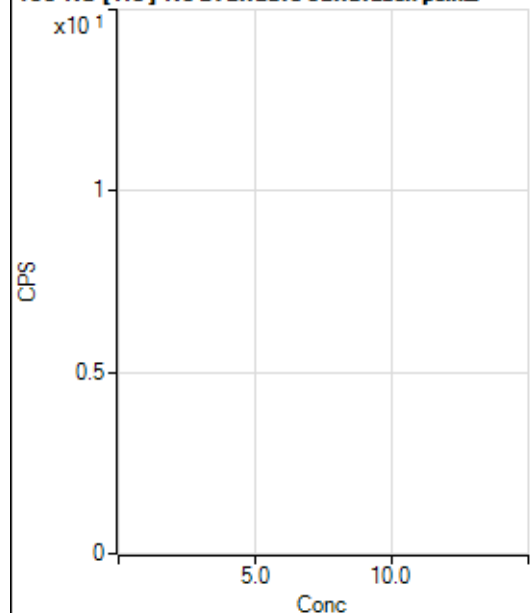
$$BEC = 0.1504$$

Weight: <None>

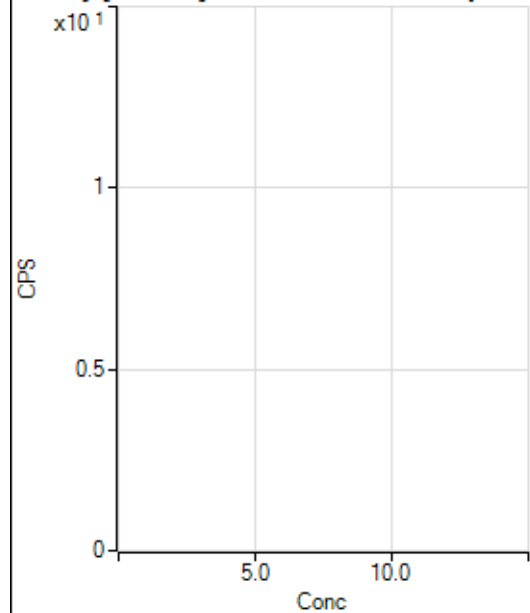
Min Conc: 0

¹⁵⁰Nd [No Gas] No available calibration points

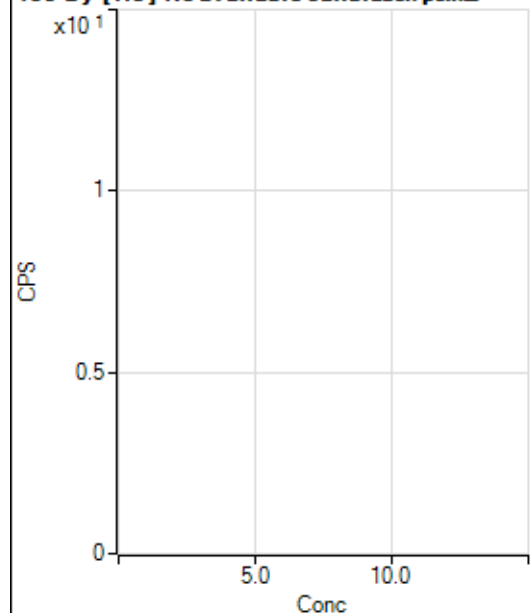
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			35.56		P	10.8
2	☐						
3	☐			31.11		P	24.7
4	☐			86.67		P	20.4
5	☐			166.67		P	13.9
6	☐			344.46		P	3.0
7	☐			706.71		P	7.5
8	☐			1182.32		P	9.0
9	☐			255.56		P	9.2

150 Nd [He] No available calibration points

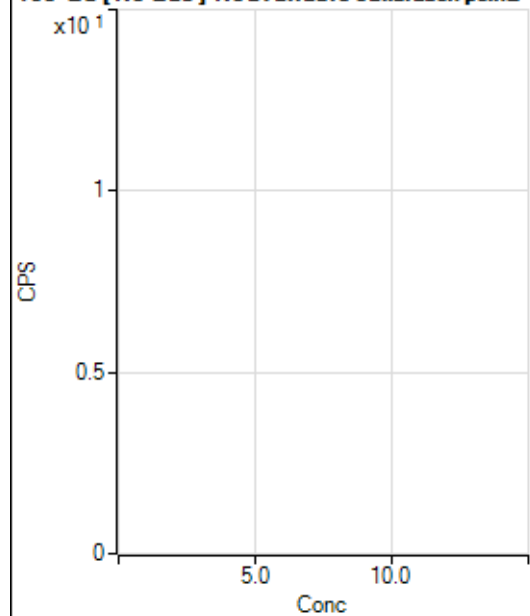
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.1
2	☐						
3	☐			2.22		P	86.6
4	☐			8.89		P	21.6
5	☐			14.44		P	58.1
6	☐			32.22		P	41.8
7	☐			56.67		P	21.2
8	☐			112.23		P	11.2
9	☐			97.78		P	27.3

156 Dy [No Gas] No available calibration points

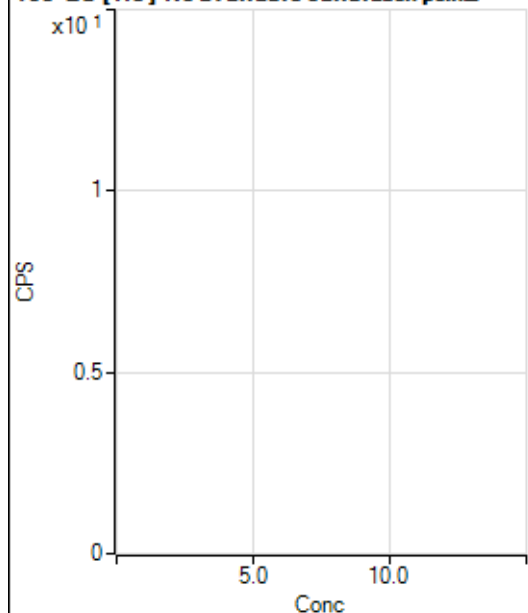
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			827.84		P	8.8
2	☐						
3	☐			636.15		P	10.6
4	☐			580.59		P	15.8
5	☐			252.79		P	5.0
6	☐			686.16		P	12.3
7	☐			730.61		P	18.2
8	☐			502.81		P	15.9
9	☐			633.37		P	11.8

156 Dy [He] No available calibration points

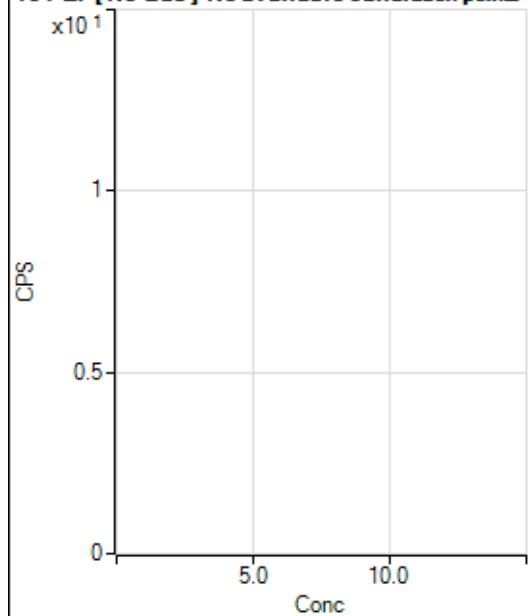
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			78.89		P	6.5
2	☐						
3	☐			71.11		P	25.8
4	☐			58.89		P	21.4
5	☐			73.33		P	20.8
6	☐			126.67		P	23.7
7	☐			158.89		P	14.7
8	☐			276.67		P	6.0
9	☐			87.78		P	2.2

160 Gd [No Gas] Noavailable calibration poin_

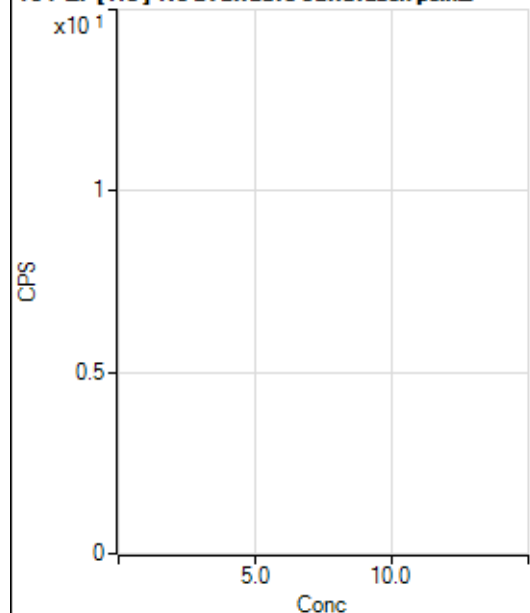
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			102.78		P	18.7
2	☐						
3	☐			61.11		P	55.1
4	☐			72.22		P	40.5
5	☐			80.56		P	23.9
6	☐			94.45		P	31.0
7	☐			125.01		P	13.3
8	☐			86.11		P	39.1
9	☐			150.01		P	20.0

160 Gd [He] No available calibration points

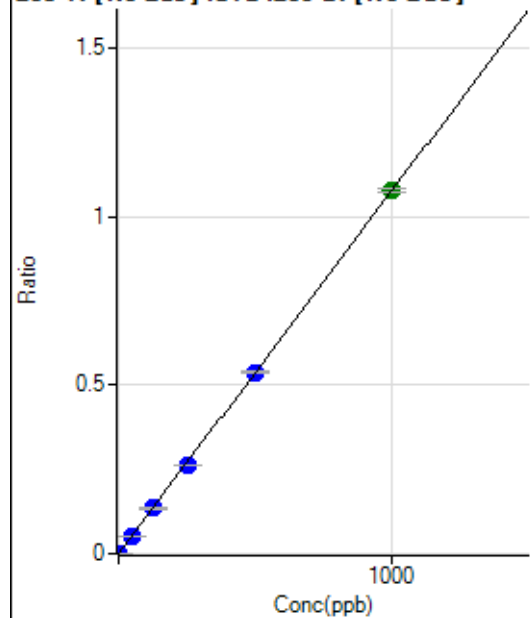
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			214.45		P	11.5
2	☐						
3	☐			218.89		P	18.2
4	☐			238.90		P	26.1
5	☐			224.45		P	10.7
6	☐			232.23		P	13.0
7	☐			212.23		P	20.0
8	☐			227.78		P	0.8
9	☐			234.45		P	12.8

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			33.33		P	50.0
2	☐						
3	☐			61.12		P	34.3
4	☐			47.22		P	36.7
5	☐			52.78		P	24.1
6	☐			44.44		P	60.3
7	☐			52.78		P	36.5
8	☐			75.00		P	22.2
9	☐			69.45		P	18.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			12.22		P	15.7
2	☐						
3	☐			28.89		P	37.1
4	☐			23.33		P	14.3
5	☐			18.89		P	71.3
6	☐			24.44		P	34.3
7	☐			23.33		P	14.3
8	☐			36.67		P	9.1
9	☐			35.55		P	47.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	125.01	0.0000	P	24.0
2	☐	0.100					
3	☐	1.000	0.856	10032.02	0.0009	P	1.6
4	☐	50.000	48.595	565112.59	0.0522	P	1.1
5	☐	125.000	125.629	1425270.02	0.1350	P	1.6
6	☐	250.000	245.676	2786811.74	0.2641	P	0.1
7	☐	500.000	500.232	5495499.56	0.5377	P	1.6
8	☐	1000.000	1000.957	10646579.32	1.0759	A	1.0
9	☐			1633.51	0.0002	P	14.0

$$y = 0.0011 * x + 1.1572E-005$$

$$R = 1.0000$$

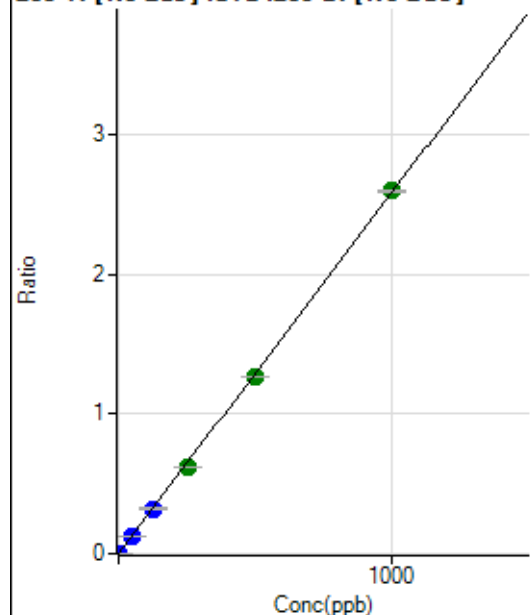
$$DL = 0.007743$$

$$BEC = 0.01077$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	361.13	0.0000	P	3.1
2	☐	0.100					
3	☐	1.000	0.870	24540.28	0.0023	P	3.3
4	☐	50.000	48.605	1358650.50	0.1256	P	0.3
5	☐	125.000	124.678	3399838.68	0.3221	P	2.4
6	☐	250.000	241.607	6587345.28	0.6242	A	0.5
7	☐	500.000	491.630	12982811.83	1.2702	A	0.6
8	☐	1000.000	1006.393	25729349.53	2.6001	A	0.6
9	☐			4223.07	0.0005	P	18.4

$$y = 0.0026 * x + 3.3386E-005$$

$$R = 0.9999$$

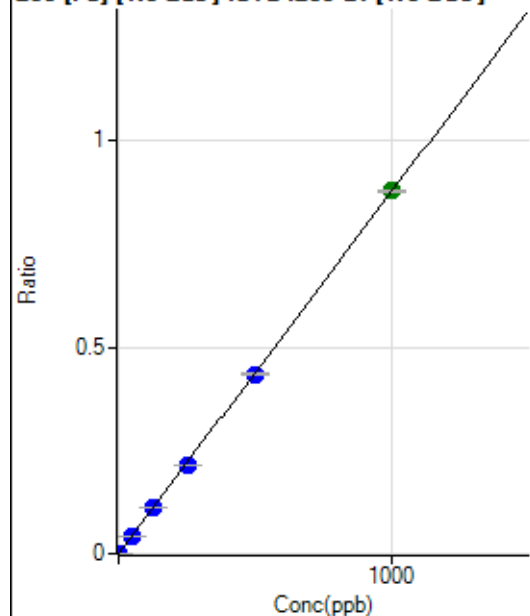
$$DL = 0.001211$$

$$BEC = 0.01292$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	618.55	0.0001	P	3.5
2	☐	0.100					
3	☐	1.000	0.879	8905.09	0.0008	P	5.2
4	☐	50.000	49.063	465844.64	0.0431	P	0.4
5	☐	125.000	125.993	1166297.28	0.1105	P	1.4
6	☐	250.000	245.547	2271956.01	0.2153	P	1.0
7	☐	500.000	496.644	4450312.66	0.4354	P	1.6
8	☐	1000.000	1002.714	8698858.53	0.8791	A	0.4
9	☐			9290.51	0.0011	P	2.0

$$y = 8.7664E-004 * x + 5.7185E-005$$

$$R = 1.0000$$

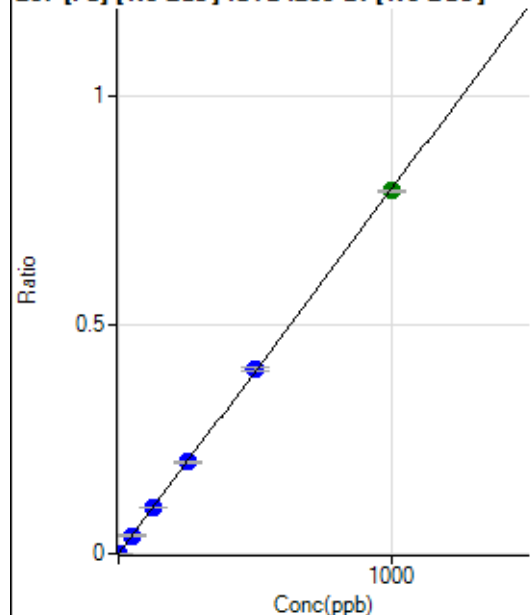
$$DL = 0.006874$$

$$BEC = 0.06523$$

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	533.36	0.0000	P	6.6
2	☐	0.100					
3	☐	1.000	0.867	7965.62	0.0007	P	3.4
4	☐	50.000	50.038	431559.05	0.0399	P	0.2
5	☐	125.000	128.380	1079598.36	0.1023	P	0.6
6	☐	250.000	250.697	2107295.35	0.1997	P	0.5
7	☐	500.000	508.568	4139793.00	0.4051	P	2.0
8	☐	1000.000	995.117	7842520.32	0.7925	A	0.7
9	☐			7971.11	0.0010	P	1.0

$$y = 7.9637\text{E-}004 * x + 4.9317\text{E-}005$$

$$R = 0.9999$$

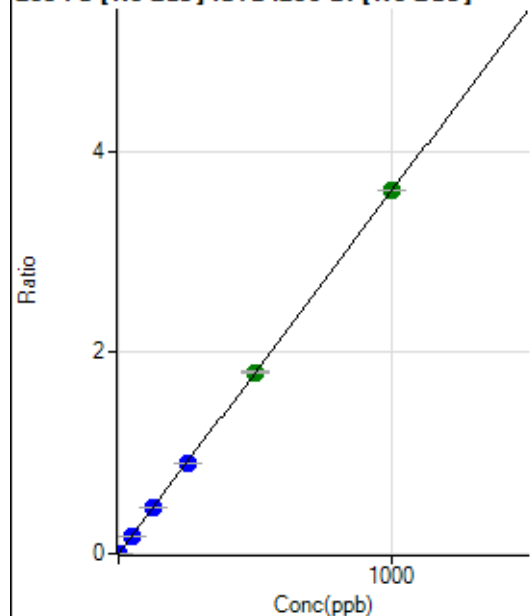
$$DL = 0.01224$$

$$BEC = 0.06193$$

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	2618.70	0.0002	P	4.4
2	☐	0.100					
3	☐	1.000	0.871	36433.83	0.0034	P	0.9
4	☐	50.000	49.473	1932715.06	0.1787	P	0.5
5	☐	125.000	126.737	4827190.78	0.4574	P	0.9
6	☐	250.000	249.006	9480203.90	0.8984	P	0.8
7	☐	500.000	498.740	18388516.42	1.7991	A	1.1
8	☐	1000.000	1000.688	35718956.13	3.6096	A	0.1
9	☐			37330.98	0.0045	P	1.0

$$y = 0.0036 * x + 2.4215\text{E-}004$$

$$R = 1.0000$$

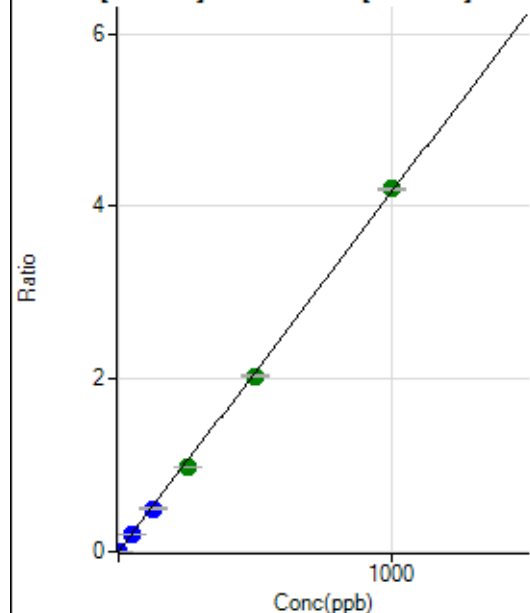
$$DL = 0.008771$$

$$BEC = 0.06714$$

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	133.34	0.0000	P	7.5
2	☐	0.100					
3	☐	1.000	0.789	35478.66	0.0033	P	0.8
4	☐	50.000	46.768	2106640.80	0.1948	P	0.2
5	☐	125.000	120.346	5289300.12	0.5012	P	1.2
6	☐	250.000	236.151	10377259.84	0.9834	A	0.7
7	☐	500.000	489.401	20830304.86	2.0380	A	0.4
8	☐	1000.000	1009.505	41598362.97	4.2038	A	0.9
9	☐			13136.69	0.0016	P	12.8

$$y = 0.0042 * x + 1.2322E-005$$

$$R = 0.9998$$

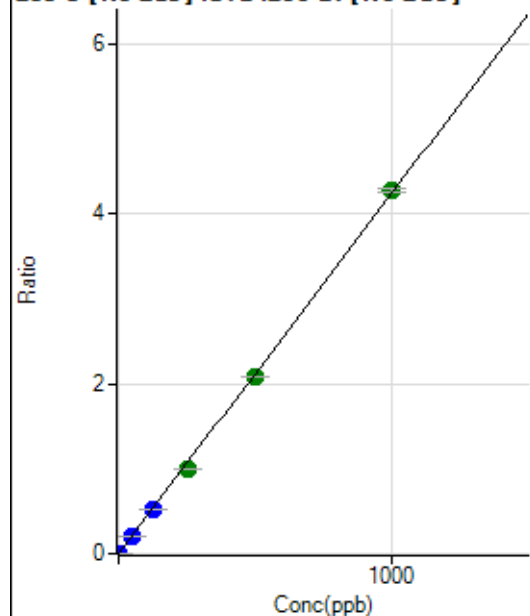
$$DL = 0.0006645$$

$$BEC = 0.002959$$

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	47.22	0.0000	P	37.6
2	☐	0.100					
3	☐	1.000	0.836	38187.95	0.0035	P	1.2
4	☐	50.000	47.060	2159080.95	0.1996	P	1.2
5	☐	125.000	121.580	5442950.77	0.5157	P	0.7
6	☐	250.000	236.684	10593287.57	1.0039	A	0.8
7	☐	500.000	492.171	21337339.89	2.0876	A	0.5
8	☐	1000.000	1007.818	42300684.28	4.2747	A	1.0
9	☐			4139.77	0.0005	P	26.7

$$y = 0.0042 * x + 4.3736E-006$$

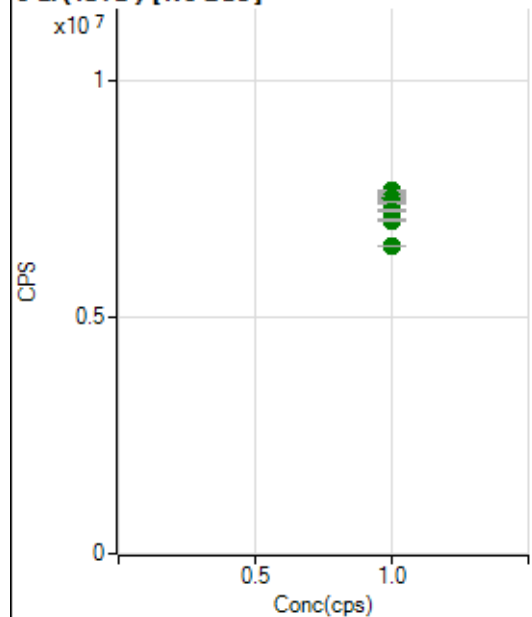
$$R = 0.9999$$

$$DL = 0.001162$$

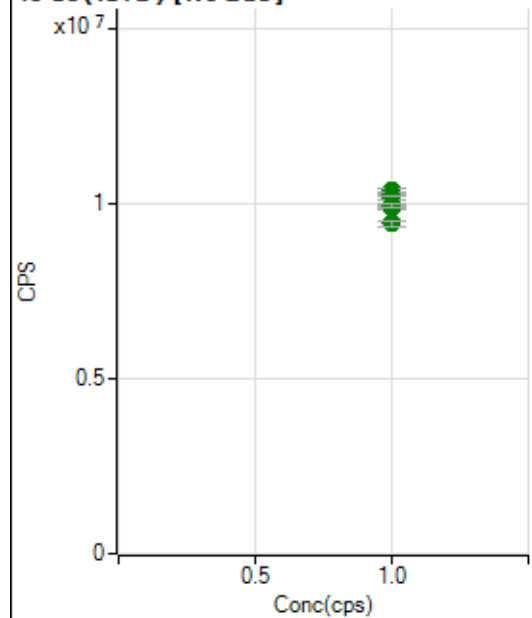
$$BEC = 0.001031$$

Weight: <None>

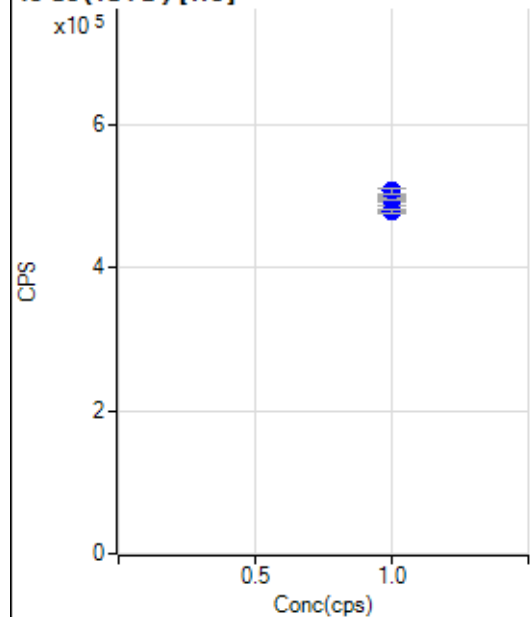
Min Conc: 0

6 Li (ISTD) [No Gas]

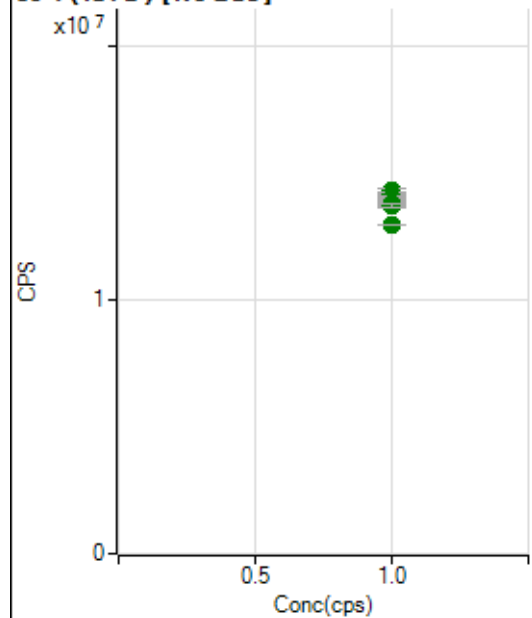
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7566126.96		A	0.7
2	☐	1.000					
3	☐	1.000		7651572.79		A	0.7
4	☐	1.000		7683888.07		A	0.4
5	☐	1.000		7549693.78		A	1.0
6	☐	1.000		7434877.95		A	0.4
7	☐	1.000		7263028.47		A	0.6
8	☐	1.000		7058366.85		A	0.3
9	☐	1.000		6504759.57		A	0.2

45 Sc (ISTD) [No Gas]

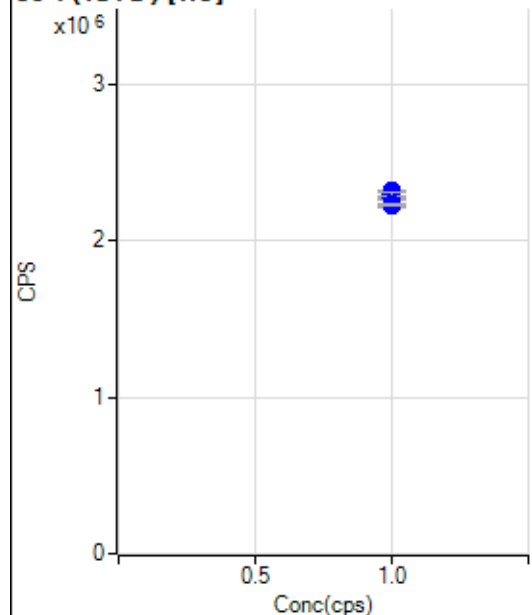
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10376526.45		A	0.9
2	☐	1.000					
3	☐	1.000		10265352.49		A	0.5
4	☐	1.000		10264027.75		A	1.0
5	☐	1.000		10167097.97		A	0.8
6	☐	1.000		10169809.51		A	1.2
7	☐	1.000		9892780.43		A	0.8
8	☐	1.000		9942875.48		A	1.2
9	☐	1.000		9438516.53		A	1.7

45 Sc (ISTD) [He]

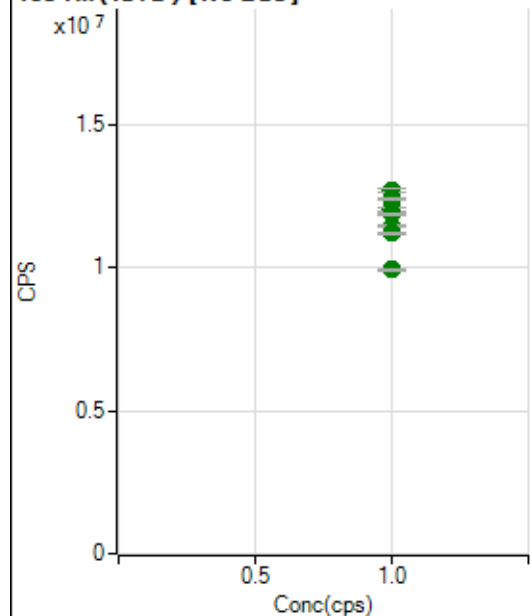
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		494862.15		P	0.3
2	☐	1.000					
3	☐	1.000		495641.05		P	0.5
4	☐	1.000		498293.90		P	0.5
5	☐	1.000		493351.37		P	0.7
6	☐	1.000		481413.97		P	1.7
7	☐	1.000		478091.44		P	0.7
8	☐	1.000		495548.50		P	1.0
9	☐	1.000		506576.66		P	1.4

89 Y (ISTD) [No Gas]

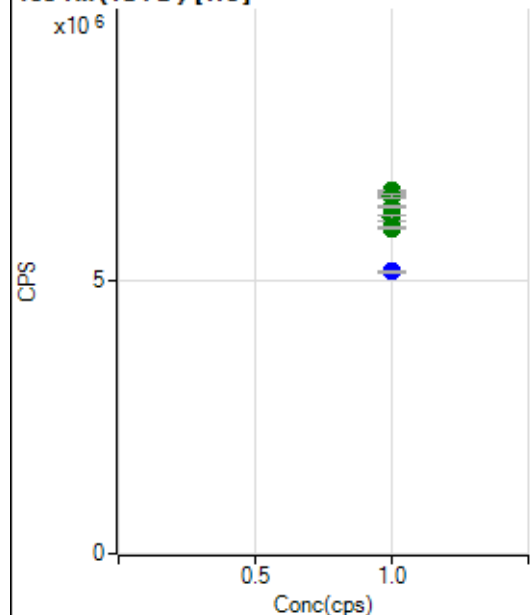
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		14284094.93		A	1.1
2	☐	1.000					
3	☐	1.000		14076584.37		A	0.9
4	☐	1.000		14152639.93		A	0.7
5	☐	1.000		13904566.04		A	0.9
6	☐	1.000		14032136.88		A	0.6
7	☐	1.000		13751664.38		A	0.8
8	☐	1.000		13704654.10		A	1.0
9	☐	1.000		12955288.83		A	0.4

89 Y(ISTD) [He]

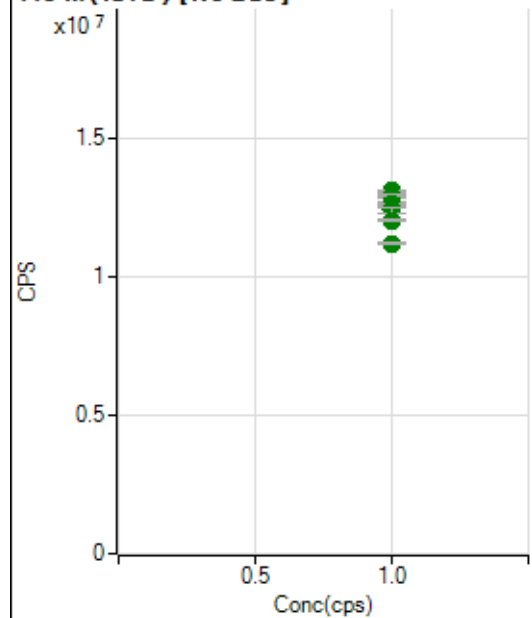
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2277106.93		P	0.9
2	☐	1.000					
3	☐	1.000		2280819.58		P	0.1
4	☐	1.000		2321929.62		P	0.2
5	☐	1.000		2276216.39		P	0.8
6	☐	1.000		2242108.65		P	2.0
7	☐	1.000		2225788.34		P	0.7
8	☐	1.000		2304081.37		P	1.1
9	☐	1.000		2233967.73		P	1.1

103 Rh(ISTD) [No Gas]

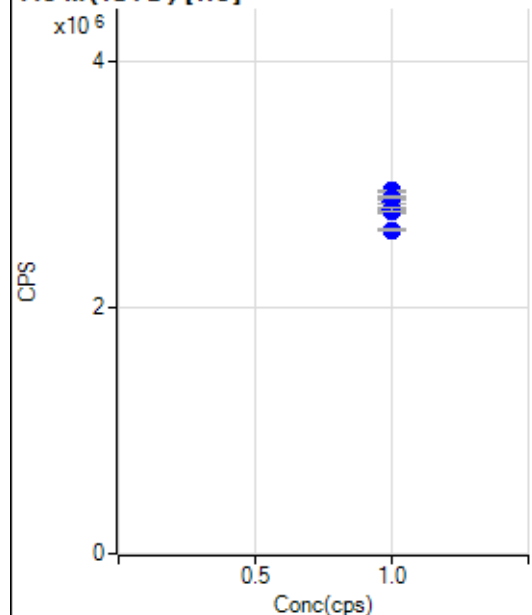
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		12689878.58		A	1.0
2	☐	1.000					
3	☐	1.000		12414626.32		A	0.8
4	☐	1.000		12393752.45		A	0.7
5	☐	1.000		12069890.72		A	1.1
6	☐	1.000		11882639.76		A	0.7
7	☐	1.000		11460265.54		A	0.7
8	☐	1.000		11216022.21		A	0.6
9	☐	1.000		9921934.08		A	0.3

103 Rh (ISTD) [He]

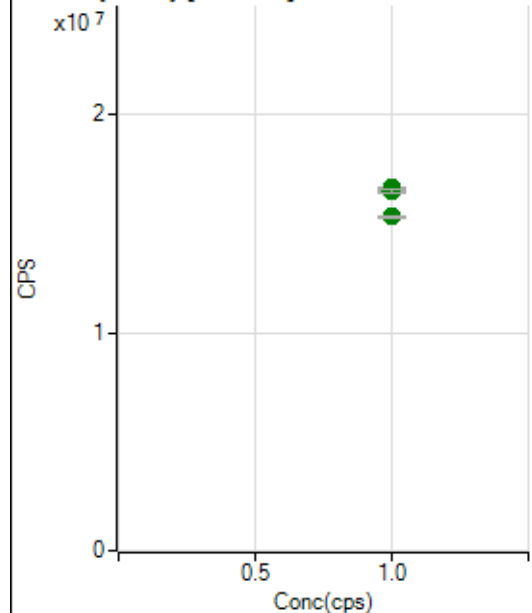
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6640128.10		A	0.2
2	☐	1.000					
3	☐	1.000		6546163.79		A	0.4
4	☐	1.000		6548015.39		A	0.7
5	☐	1.000		6339372.82		A	0.5
6	☐	1.000		6141926.37		A	1.3
7	☐	1.000		5973444.43		A	0.8
8	☐	1.000		5959457.69		A	0.6
9	☐	1.000		5157827.49		P	1.0

115 In (ISTD) [No Gas]

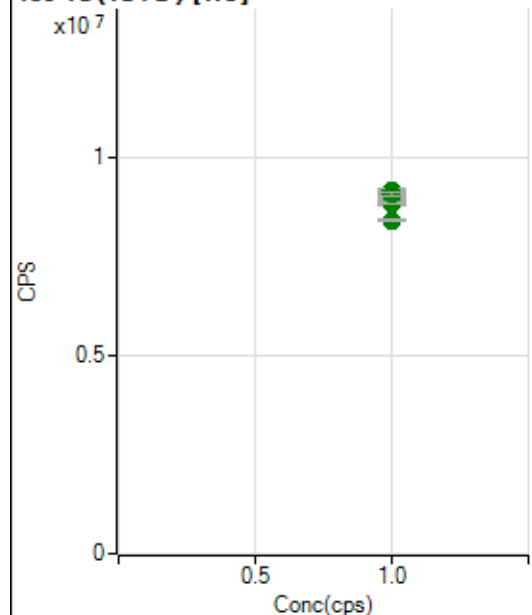
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13094869.56		A	0.8
2	☐	1.000					
3	☐	1.000		12857631.17		A	0.4
4	☐	1.000		12941151.33		A	0.6
5	☐	1.000		12665512.50		A	0.4
6	☐	1.000		12570732.64		A	0.5
7	☐	1.000		12390053.52		A	1.2
8	☐	1.000		12028680.61		A	0.9
9	☐	1.000		11190577.96		A	0.5

115 In (ISTD) [He]

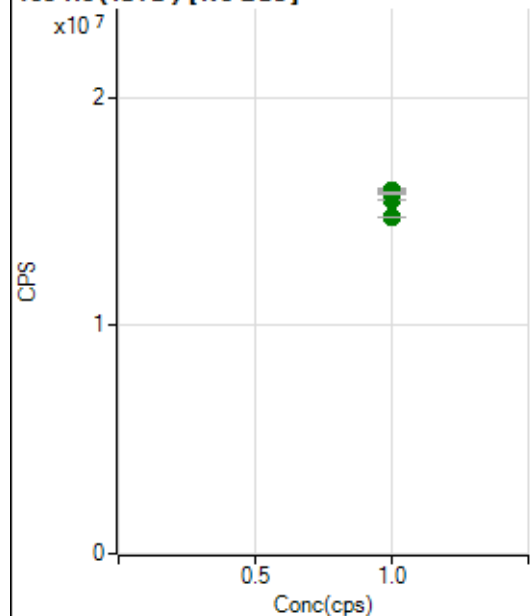
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2848872.41		P	1.1
2	☐	1.000					
3	☐	1.000		2881983.53		P	0.9
4	☐	1.000		2942226.77		P	0.5
5	☐	1.000		2889886.06		P	0.5
6	☐	1.000		2796260.24		P	1.3
7	☐	1.000		2777681.67		P	0.7
8	☐	1.000		2793330.04		P	0.7
9	☐	1.000		2624266.83		P	0.3

159 Tb (ISTD) [No Gas]

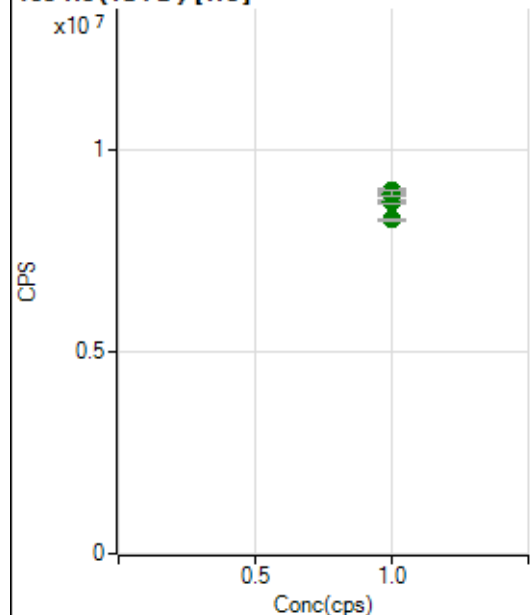
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		16520552.11		A	1.1
2	☐	1.000					
3	☐	1.000		16491588.23		A	0.4
4	☐	1.000		16653141.97		A	0.2
5	☐	1.000		16505372.40		A	0.6
6	☐	1.000		16502320.03		A	0.3
7	☐	1.000		16504401.98		A	0.9
8	☐	1.000		16532856.70		A	0.9
9	☐	1.000		15337291.99		A	0.4

159 Tb (ISTD) [He]

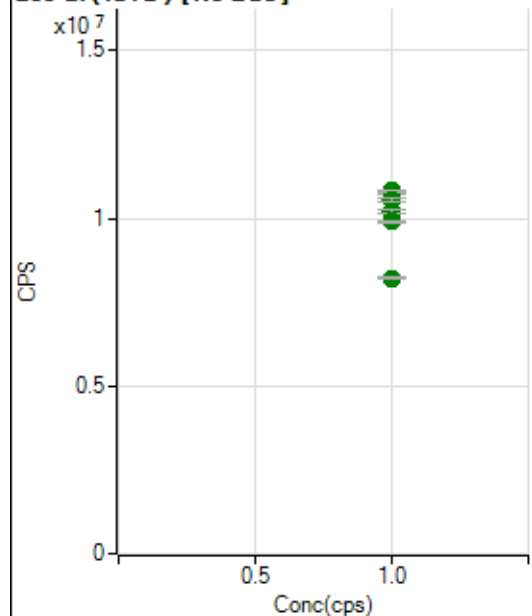
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9071448.34		A	1.0
2	☐	1.000					
3	☐	1.000		9101753.61		A	1.0
4	☐	1.000		9144362.71		A	1.0
5	☐	1.000		9002886.81		A	0.5
6	☐	1.000		8844700.84		A	1.4
7	☐	1.000		8837698.06		A	0.2
8	☐	1.000		9056036.11		A	1.2
9	☐	1.000		8388463.28		A	0.5

165 Ho (ISTD) [No Gas]

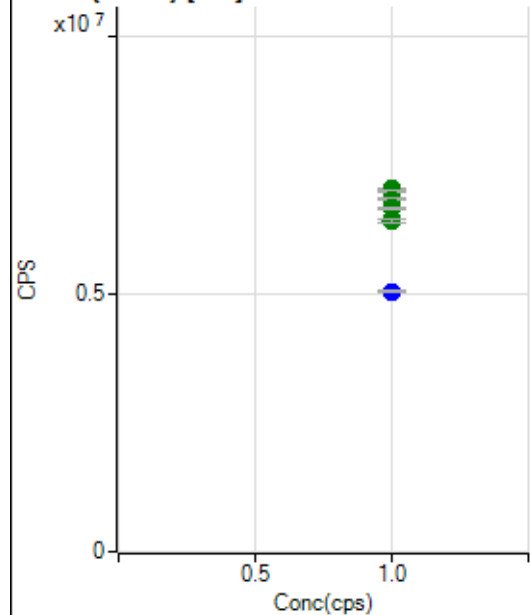
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		15896069.28		A	0.9
2	☐	1.000					
3	☐	1.000		15503428.12		A	0.3
4	☐	1.000		15807188.37		A	0.3
5	☐	1.000		15825336.12		A	0.9
6	☐	1.000		15853591.33		A	1.6
7	☐	1.000		15858457.82		A	1.2
8	☐	1.000		15772539.94		A	0.6
9	☐	1.000		14751807.79		A	0.4

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8939808.75		A	0.7
2	☐	1.000					
3	☐	1.000		8916731.60		A	0.7
4	☐	1.000		8989924.94		A	0.9
5	☐	1.000		8920969.59		A	1.3
6	☐	1.000		8756036.54		A	0.6
7	☐	1.000		8728416.95		A	0.8
8	☐	1.000		8929875.98		A	1.3
9	☐	1.000		8270879.04		A	0.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10816391.02		A	0.9
2	☐	1.000					
3	☐	1.000		10762438.31		A	0.3
4	☐	1.000		10816487.76		A	0.6
5	☐	1.000		10554825.40		A	0.9
6	☐	1.000		10552679.63		A	1.2
7	☐	1.000		10221384.01		A	0.9
8	☐	1.000		9895553.12		A	0.3
9	☐	1.000		8209964.18		A	0.7

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7034979.48		A	0.4
2	☐	1.000					
3	☐	1.000		7004069.27		A	0.2
4	☐	1.000		6994274.13		A	1.0
5	☐	1.000		6834644.76		A	0.6
6	☐	1.000		6669232.82		A	0.4
7	☐	1.000		6452981.29		A	0.5
8	☐	1.000		6404168.58		A	1.1
9	☐	1.000		5050768.40		P	0.4