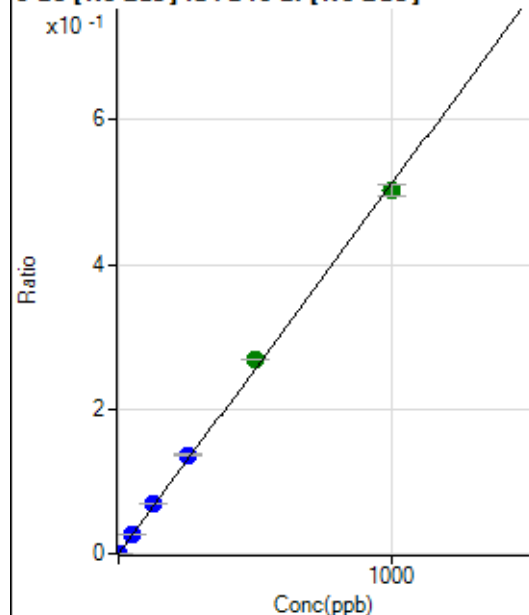


Calibration for 153CCV.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8032323MS.b\
 Analysis File: P8032323MS.batch.bin
 DA Date-Time: 2023-03-23 19:39:43
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2023-03-23 11:04:17
2	006CALS.d	S02	2023-03-23 11:10:21
3	007CALS.d	S03	2023-03-23 11:13:22
4	008CALS.d	S04	2023-03-23 11:16:26
5	009CALS.d	S05	2023-03-23 11:19:24
6	010CALS.d	S06	2023-03-23 11:22:25
7	011CALS.d	S07	2023-03-23 11:25:23
8	012CALS.d	S08	2023-03-23 11:28:24

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.10	0.0000	P	36.2
2	☐	1.000	1.087	2627.00	0.0006	P	4.4
3	☐	50.000	52.756	128721.12	0.0270	P	0.6
4	☐	125.000	136.169	317946.66	0.0696	P	0.4
5	☐	250.000	267.195	618560.42	0.1366	P	2.0
6	☐	500.000	525.211	1203763.57	0.2685	A	0.5
7	☐	1000.000	981.562	2257783.13	0.5018	A	3.1
8	☐			671.53	0.0002	P	12.8

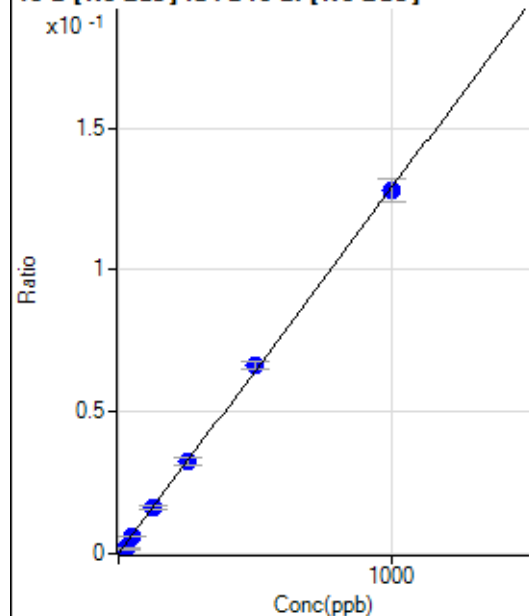
$$y = 5.1119\text{E-}004 * x + 4.8171\text{E-}006$$

$$R = 0.9993$$

$$DL = 0.01023$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	234.62	0.0001	P	8.1
2	☐	25.000	12.928	8034.63	0.0017	P	7.5
3	☐	50.000	47.455	29414.33	0.0062	P	5.6
4	☐	125.000	125.477	74055.48	0.0162	P	6.7
5	☐	250.000	251.727	146951.42	0.0325	P	6.9
6	☐	500.000	515.873	298046.62	0.0665	P	3.8
7	☐	1000.000	992.001	574980.37	0.1278	P	6.2
8	☐			35641.45	0.0087	P	8.6

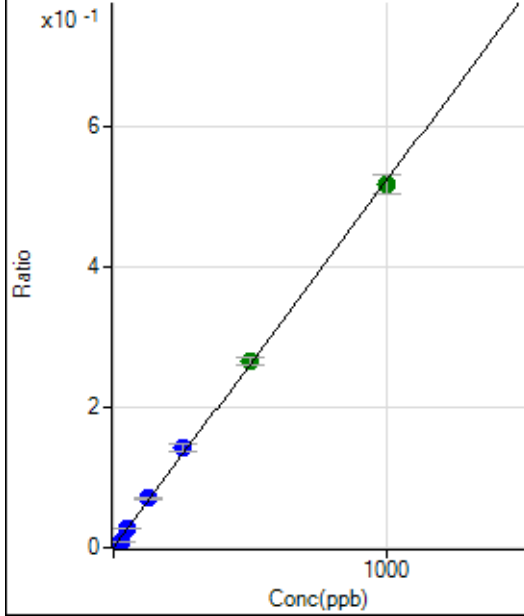
$$y = 1.2877\text{E-}004 * x + 5.0886\text{E-}005$$

$$R = 0.9997$$

$$DL = 0.09657$$

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	1111.16	0.0002	P	2.3
2	☐	25.000	13.772	34796.21	0.0074	P	6.6
3	☐	50.000	51.868	130393.49	0.0273	P	6.4
4	☐	125.000	134.168	321039.60	0.0703	P	5.5
5	☐	250.000	273.010	646059.88	0.1427	P	6.9
6	☐	500.000	509.362	1192847.21	0.2661	A	4.5
7	☐	1000.000	988.608	2322787.97	0.5162	A	5.4
8	☐			156526.97	0.0382	P	10.3

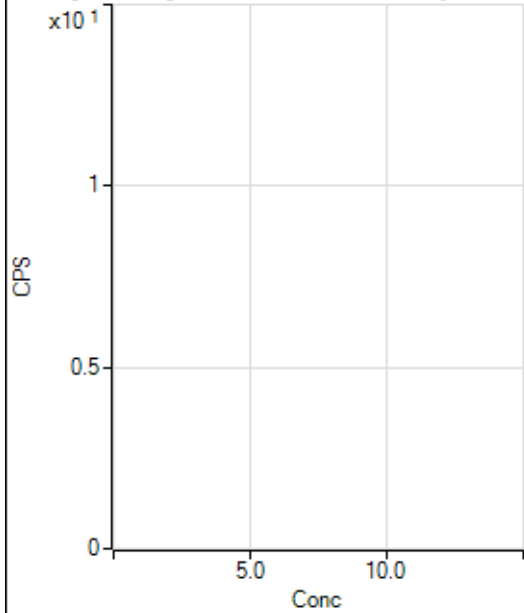
$$y = 5.2194\text{E-}004 * x + 2.4072\text{E-}004$$

$$R = 0.9994$$

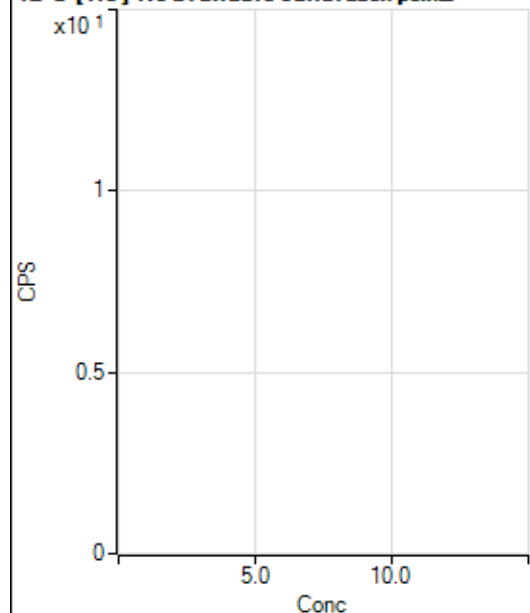
$$DL = 0.03147$$

Weight: <None>

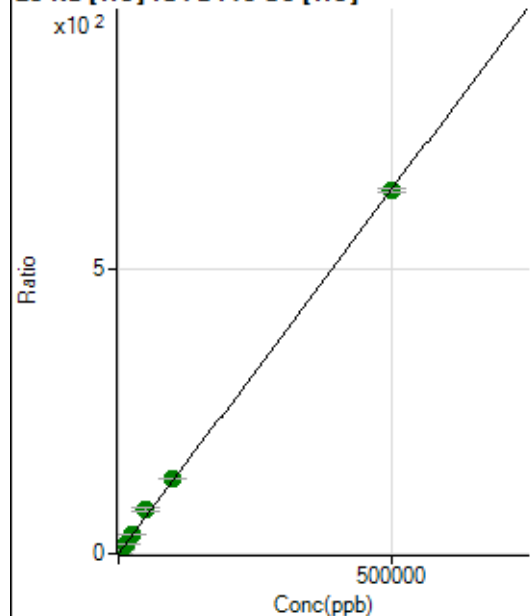
Min Conc: 0

12 C [No Gas] No available calibration points

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			4707645.98		A	0.5
2	☐			5094246.56		A	1.0
3	☐			5176077.37		A	2.7
4	☐			5196201.55		A	1.0
5	☐			5257132.80		A	1.2
6	☐			5333502.72		A	1.5
7	☐			5534997.04		A	1.8
8	☐			5002003.85		A	1.4

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			59200.19		P	0.3
2	☐			64324.31		P	1.3
3	☐			65923.28		P	1.0
4	☐			67374.27		P	1.4
5	☐			66595.75		P	0.7
6	☐			68236.62		P	1.2
7	☐			73860.67		P	0.4
8	☐			70276.62		P	1.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	23641.83	0.1101	P	0.6
2	☐	500.000	515.514	171915.29	0.7713	P	0.4
3	☐	5000.000	5416.484	1544502.07	7.0574	A	3.0
4	☐	12500.000	13232.498	3707875.04	17.0824	A	2.9
5	☐	25000.000	26626.873	7298980.46	34.2624	A	2.0
6	☐	50000.000	59886.883	14995855.37	76.9226	A	9.6
7	☐	100000.00	103444.72	27715446.11	132.7911	A	0.7
8	☐	500000.00	498218.53	131187861.2	639.1385	A	1.1

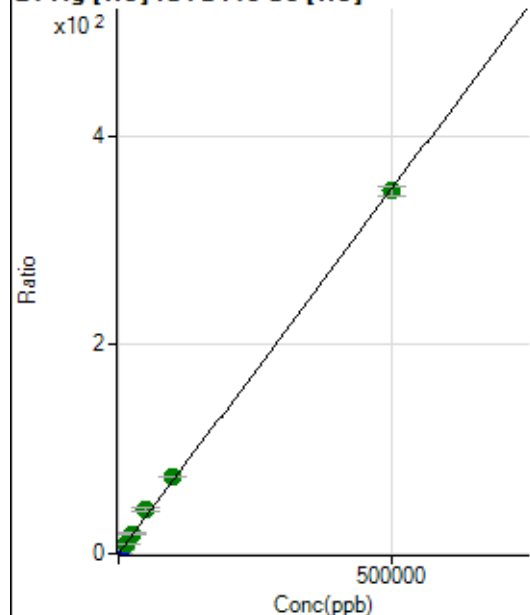
$$y = 0.0013 * x + 0.1101$$

$$R = 0.9998$$

$$DL = 1.536$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	219.45	0.0010	P	18.7
2	☐	500.000	498.114	77707.82	0.3486	P	1.7
3	☐	5000.000	5525.222	844248.27	3.8569	P	1.9
4	☐	12500.000	13790.762	2089164.35	9.6251	A	2.9
5	☐	25000.000	27679.619	4115157.86	19.3176	A	2.3
6	☐	50000.000	61273.657	8331458.52	42.7616	A	10.8
7	☐	100000.00	105479.64	15365264.58	73.6113	A	0.7
8	☐	500000.00	497605.20	71273641.18	347.2609	A	2.7

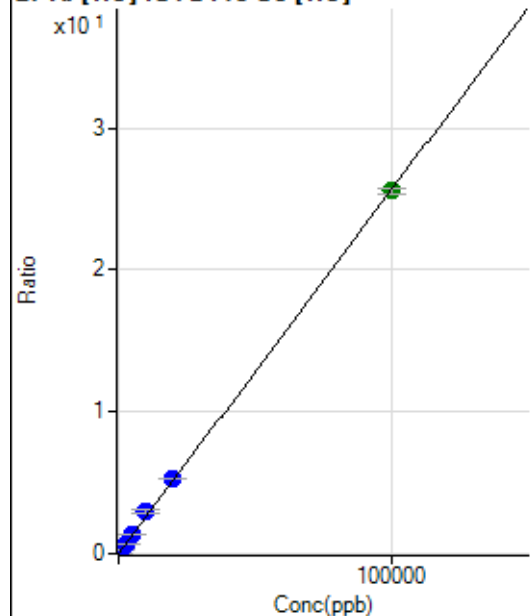
$$y = 6.9786E-004 * x + 0.0010$$

$$R = 0.9997$$

$$DL = 0.8231$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.24	0.0003	P	5.0
2	☐	20.000	20.856	1260.32	0.0057	P	3.0
3	☐	1000.000	1093.720	61446.56	0.2807	P	1.7
4	☐	2500.000	2635.305	146686.81	0.6758	P	2.7
5	☐	5000.000	5224.716	285358.90	1.3396	P	2.7
6	☐	10000.000	11700.559	584082.75	2.9995	P	11.3
7	☐	20000.000	20622.324	1103456.18	5.2864	P	0.7
8	☐	100000.00	99689.923	5244442.48	25.5538	A	1.4

$$y = 2.5633E-004 * x + 3.0843E-004$$

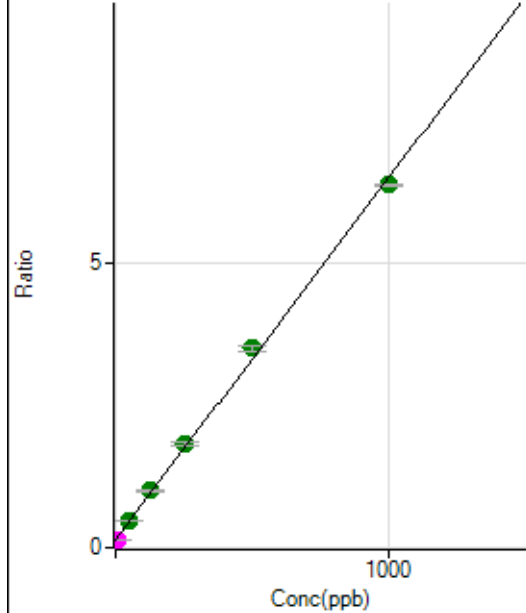
$$R = 0.9998$$

$$DL = 0.1812$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	868496.07	0.1396	P	4.1
2	☐	10.000	-0.482	886011.13	0.1366	M	1.6
3	☐	50.000	53.156	3091314.87	0.4773	A	4.6
4	☐	125.000	135.184	6455271.06	0.9984	A	2.5
5	☐	250.000	263.318	11914464.50	1.8123	A	4.4
6	☐	500.000	529.303	22801505.20	3.5020	A	2.5
7	☐	1000.000	980.693	42847086.37	6.3693	A	0.4
8	☐			1465096.98	0.2372	A	7.0

$$y = 0.0064 * x + 0.1396$$

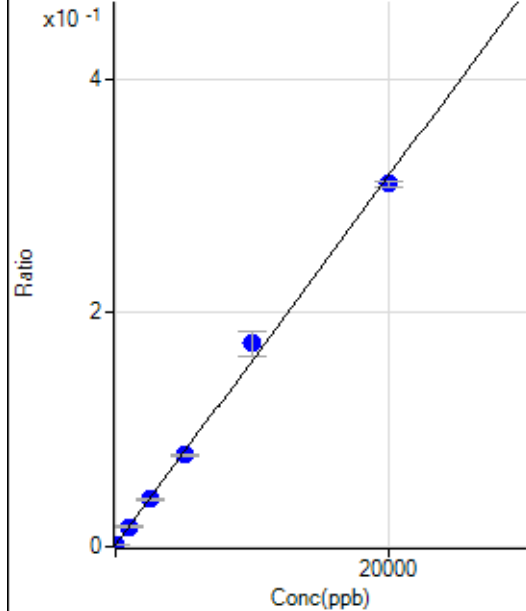
$$R = 0.9991$$

$$DL = 2.689$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-1.599	288.90	0.0013	P	16.4
2	☐	0.000	1.599	311.12	0.0014	P	14.6
3	☐	1000.000	980.564	3686.68	0.0169	P	7.9
4	☐	2500.000	2467.296	8755.65	0.0403	P	4.5
5	☐	5000.000	4867.754	16668.34	0.0782	P	2.3
6	☐	10000.000	10930.866	33857.05	0.1740	P	12.5
7	☐	20000.000	19572.689	64806.46	0.3105	P	1.6
8	☐			258.34	0.0013	P	23.6

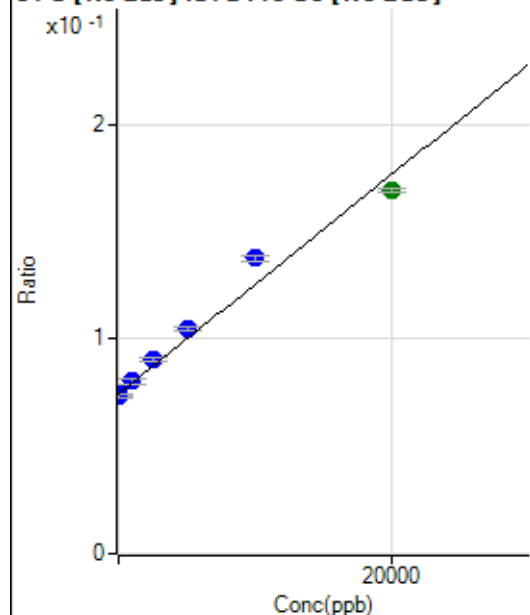
$$y = 1.5792E-005 * x + 0.0014$$

$$R = 0.9984$$

$$DL = 40.39$$

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	213.085	469564.14	0.0755	P	4.8
2	☐	0.000	-213.085	475747.43	0.0733	P	1.8
3	☐	1000.000	1128.381	519466.77	0.0802	P	3.3
4	☐	2500.000	3094.635	583392.48	0.0902	P	1.8
5	☐	5000.000	5977.332	690180.34	0.1050	P	1.7
6	☐	10000.000	12371.199	896226.25	0.1376	P	1.9
7	☐	20000.000	18489.319	1136132.37	0.1689	A	1.1
8	☐			417870.66	0.0676	P	0.7

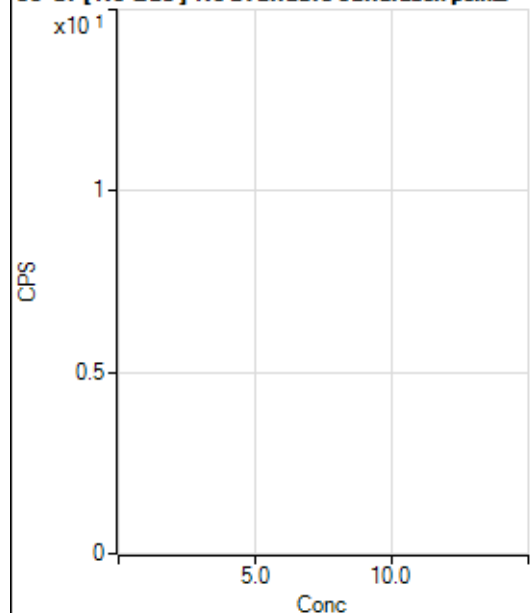
$$y = 5.1092\text{E-}006 * x + 0.0744$$

$$R = 0.9870$$

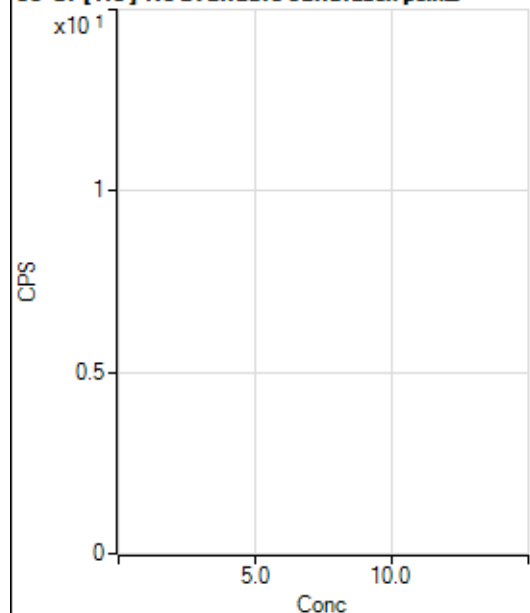
$$DL = 1444$$

Weight: <None>

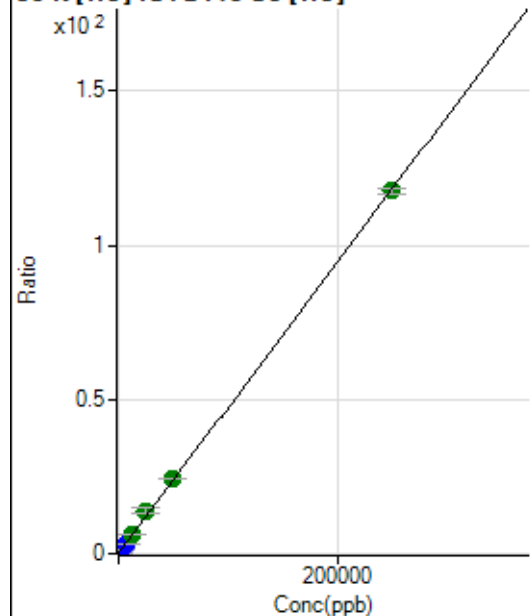
Min Conc: 0

35 Cl [No Gas] No available calibration points

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			223003.29		P	1.3
2	☐			236111.08		P	0.3
3	☐			240939.67		P	1.1
4	☐			236130.13		P	1.1
5	☐			235808.79		P	1.5
6	☐			232616.72		P	2.0
7	☐			234134.63		P	0.8
8	☐			228840.21		P	1.3

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1455.67		P	5.6
2	☐			1664.03		P	11.0
3	☐			1641.81		P	10.0
4	☐			1652.92		P	12.4
5	☐			1394.56		P	8.0
6	☐			1700.15		P	12.0
7	☐			1594.58		P	9.9
8	☐			1639.03		P	8.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	24660.44	0.1148	P	2.2
2	☐	500.000	477.889	75804.79	0.3401	P	1.3
3	☐	2500.000	2547.569	288018.55	1.3157	P	1.9
4	☐	6250.000	6365.190	676173.84	3.1154	P	2.5
5	☐	12500.000	12913.508	1321216.25	6.2022	A	1.9
6	☐	25000.000	29331.493	2713416.88	13.9416	A	12.1
7	☐	50000.000	51008.074	5042984.31	24.1599	A	0.3
8	☐	250000.00	249341.24	24146046.55	117.6536	A	1.4

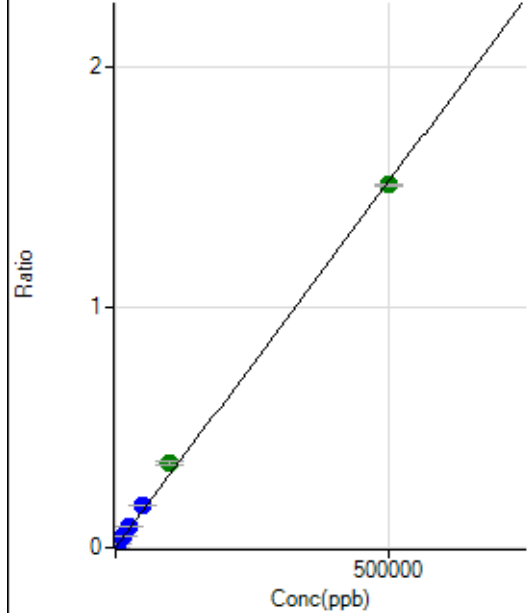
$$y = 4.7140\text{E-}004 * x + 0.1148$$

$$R = 0.9998$$

$$DL = 16.16$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	180.40	0.0000	P	15.3
2	☐	500.000	507.649	10228.20	0.0016	P	1.0
3	☐	5000.000	5928.824	117246.45	0.0181	P	4.1
4	☐	12500.000	14692.308	289749.55	0.0448	P	1.6
5	☐	25000.000	28856.397	578597.23	0.0880	P	1.6
6	☐	50000.000	57732.007	1146146.51	0.1760	P	2.0
7	☐	100000.00	115709.02	2373111.02	0.3528	A	3.1
8	☐	500000.00	495828.07	9344682.14	1.5115	A	0.7

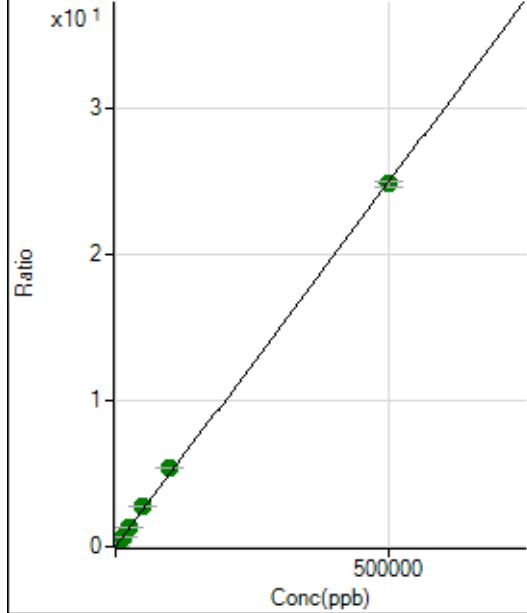
$$y = 3.0484\text{E-}006 * x + 2.9114\text{E-}005$$

$$R = 0.9994$$

$$DL = 4.376$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	14427.78	0.0023	P	6.3
2	☐	500.000	501.626	177218.28	0.0273	P	1.5
3	☐	5000.000	5730.420	1865757.54	0.2879	A	1.1
4	☐	12500.000	13947.794	4508413.85	0.6973	A	2.5
5	☐	25000.000	27382.479	8986733.24	1.3667	A	1.8
6	☐	50000.000	54517.918	17707380.15	2.7188	A	1.4
7	☐	100000.00	108145.07	36264738.21	5.3910	A	2.0
8	☐	500000.00	497756.56	153336386.5	24.8045	A	1.8

$$y = 4.9828\text{E-}005 * x + 0.0023$$

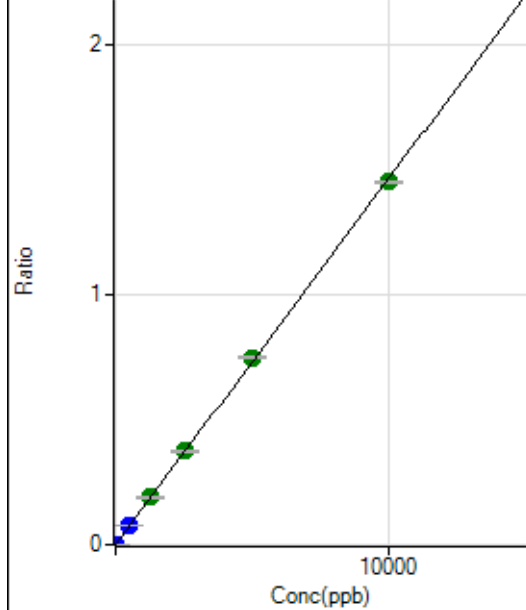
$$R = 0.9998$$

$$DL = 8.875$$

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	80.56	0.0000	P	40.0
2	☐	5.000	5.116	4945.40	0.0008	P	5.3
3	☐	500.000	524.027	497459.49	0.0768	P	4.2
4	☐	1250.000	1299.114	1230917.26	0.1904	A	1.9
5	☐	2500.000	2556.515	2463494.93	0.3747	A	2.0
6	☐	5000.000	5122.000	4887971.72	0.7507	A	1.8
7	☐	10000.000	9917.531	9777290.84	1.4534	A	0.5
8	☐			1916.87	0.0003	P	25.7

$$y = 1.4655E-004 * x + 1.2854E-005$$

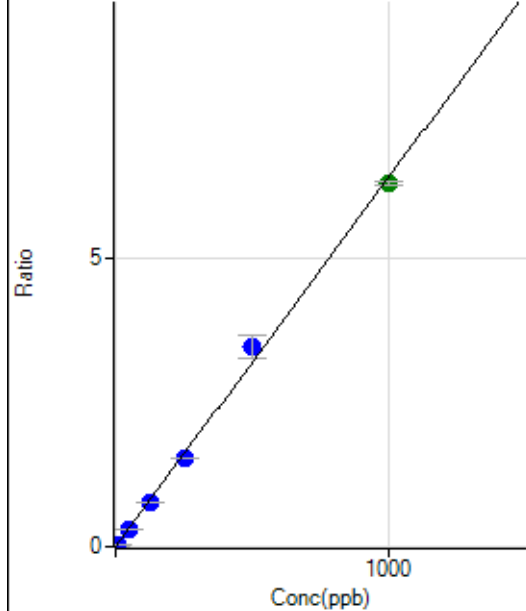
$$R = 0.9999$$

$$DL = 0.1053$$

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	6.67	0.0000	P	50.0
2	☐	5.000	4.547	6488.20	0.0291	P	3.1
3	☐	50.000	46.686	65372.06	0.2986	P	1.3
4	☐	125.000	118.546	164530.87	0.7581	P	1.0
5	☐	250.000	239.334	326010.98	1.5304	P	1.6
6	☐	500.000	540.774	673350.93	3.4579	P	11.1
7	☐	1000.000	983.254	1312249.51	6.2873	A	1.2
8	☐			264.45	0.0013	P	16.8

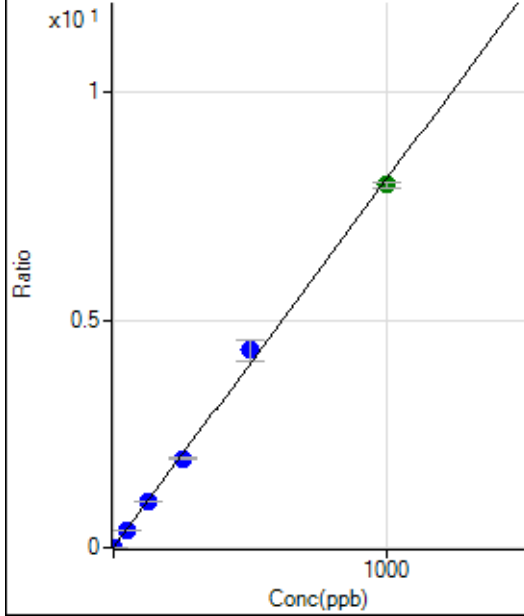
$$y = 0.0064 * x + 3.1039E-005$$

$$R = 0.9987$$

$$DL = 0.007284$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	765.58	0.0036	P	2.9
2	☐	2.000	1.814	4067.29	0.0182	P	1.5
3	☐	50.000	47.405	84783.19	0.3872	P	1.0
4	☐	125.000	124.689	219820.73	1.0128	P	1.8
5	☐	250.000	240.859	416031.91	1.9530	P	1.8
6	☐	500.000	535.150	844258.03	4.3349	P	10.6
7	☐	1000.000	984.880	1664702.20	7.9749	A	1.7
8	☐			11541.41	0.0562	P	1.7

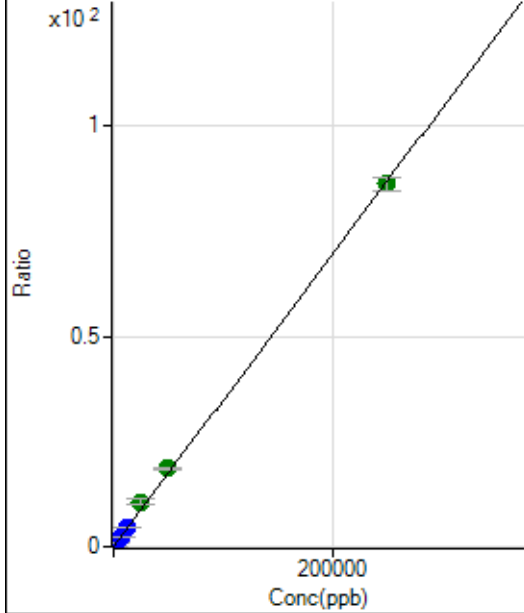
$$y = 0.0081 * x + 0.0036$$

$$R = 0.9990$$

$$DL = 0.03847$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	661.14	0.0031	P	6.5
2	☐	50.000	51.922	4699.01	0.0211	P	3.1
3	☐	2500.000	2611.453	198880.38	0.9086	P	1.6
4	☐	6250.000	6598.883	497312.05	2.2912	P	1.8
5	☐	12500.000	13120.553	969798.68	4.5526	P	2.2
6	☐	25000.000	30958.564	2091117.77	10.7379	A	10.8
7	☐	50000.000	53463.450	3869958.97	18.5414	A	0.8
8	☐	250000.00	248670.58	17699889.75	86.2291	A	3.8

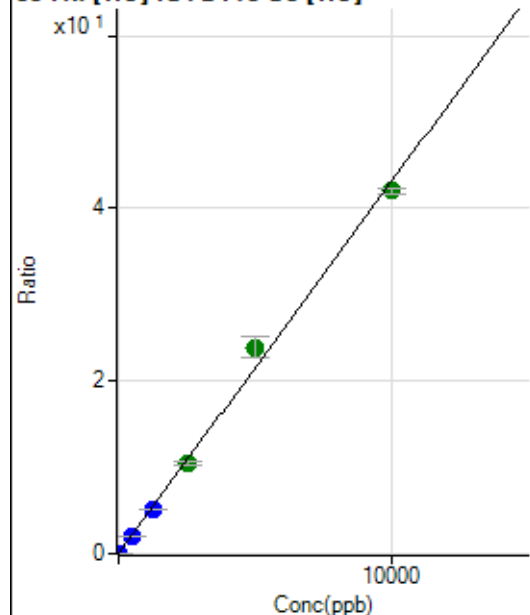
$$y = 3.4675E-004 * x + 0.0031$$

$$R = 0.9996$$

$$DL = 1.741$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	57.78	0.0003	P	20.2
2	☐	1.000	0.963	984.49	0.0044	P	2.4
3	☐	500.000	473.563	446825.63	2.0410	P	1.8
4	☐	1250.000	1193.518	1116357.06	5.1434	P	2.2
5	☐	2500.000	2427.701	2228588.75	10.4618	A	2.8
6	☐	5000.000	5551.246	4660702.36	23.9219	A	10.1
7	☐	10000.000	9750.834	8771023.34	42.0189	A	1.3
8	☐			6338.14	0.0309	P	3.3

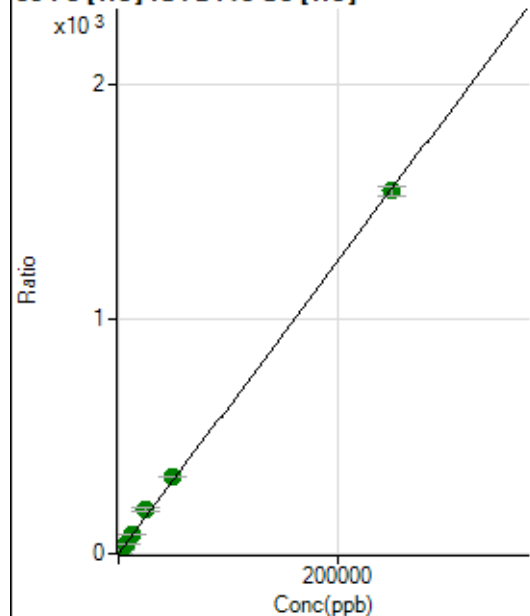
$$y = 0.0043 * x + 2.6902E-004$$

$$R = 0.9977$$

$$DL = 0.03789$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2816.99	0.0131	P	1.6
2	☐	50.000	50.768	73111.33	0.3280	P	0.4
3	☐	2500.000	2682.664	3645112.55	16.6527	A	3.4
4	☐	6250.000	6699.899	9022622.13	41.5701	A	1.8
5	☐	12500.000	13400.403	17708665.91	83.1309	A	2.0
6	☐	25000.000	30284.119	36608146.42	187.8543	A	10.0
7	☐	50000.000	52802.703	68369058.47	327.5288	A	1.7
8	☐	250000.00	248852.95	316732266.3	1,543.556	A	2.4

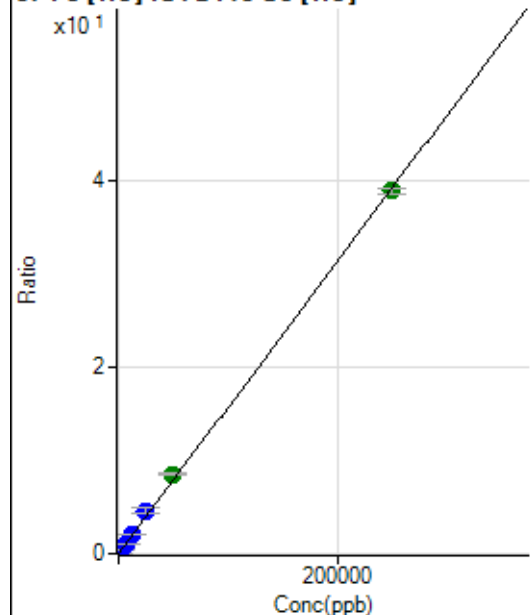
$$y = 0.0062 * x + 0.0131$$

$$R = 0.9997$$

$$DL = 0.1002$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	155.56	0.0007	P	14.3
2	☐	50.000	50.467	1918.68	0.0086	P	4.3
3	☐	2500.000	2577.193	88304.16	0.4033	P	1.6
4	☐	6250.000	6553.220	222355.19	1.0245	P	2.2
5	☐	12500.000	13076.986	435337.24	2.0436	P	3.1
6	☐	25000.000	29610.494	900840.83	4.6264	P	11.2
7	☐	50000.000	54300.278	1770900.03	8.4834	A	2.4
8	☐	250000.00	248641.69	7972627.38	38.8431	A	1.6

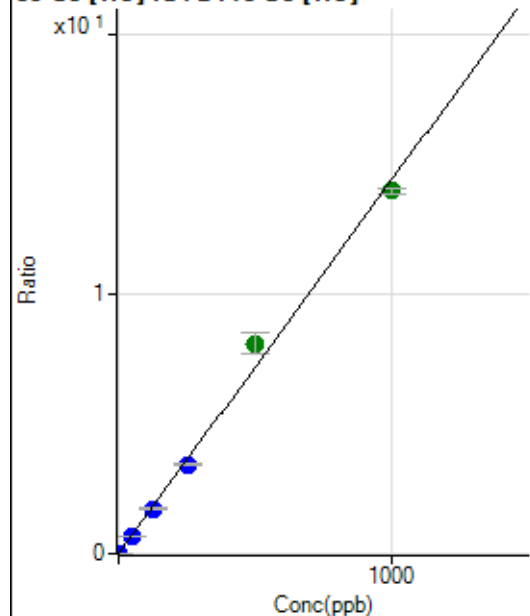
$$y = 1.5622\text{E-}004 * x + 7.2430\text{E-}004$$

$$R = 0.9997$$

$$DL = 1.985$$

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	81.11	0.0004	P	16.6
2	☐	1.000	0.910	2995.90	0.0134	P	4.5
3	☐	50.000	47.597	149697.13	0.6838	P	1.2
4	☐	125.000	120.161	374556.84	1.7257	P	2.6
5	☐	250.000	239.259	731863.36	3.4357	P	2.6
6	☐	500.000	563.640	1576318.41	8.0932	A	10.7
7	☐	1000.000	971.591	2911895.65	13.9506	A	1.7
8	☐			1962.38	0.0096	P	1.2

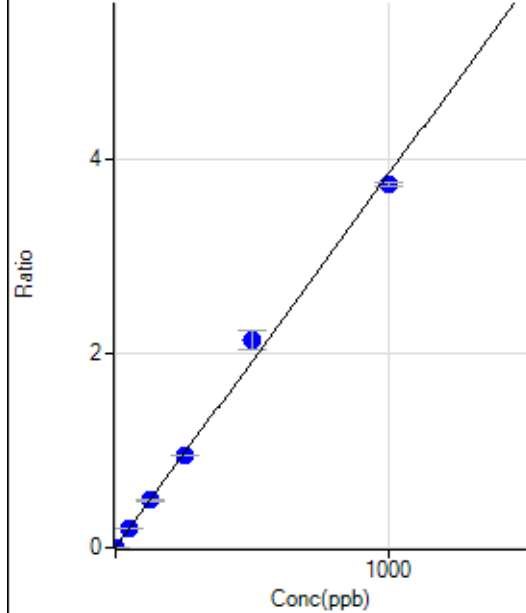
$$y = 0.0144 * x + 3.7764\text{E-}004$$

$$R = 0.9969$$

$$DL = 0.01307$$

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	46.67	0.0002	P	32.7
2	☐	1.000	0.931	845.59	0.0038	P	16.9
3	☐	50.000	49.625	41782.49	0.1909	P	1.6
4	☐	125.000	127.608	106466.62	0.4905	P	2.4
5	☐	250.000	246.468	201766.65	0.9472	P	1.4
6	☐	500.000	556.954	417164.43	2.1401	P	9.7
7	☐	1000.000	972.099	779533.63	3.7351	P	1.2
8	☐			1401.20	0.0068	P	3.3

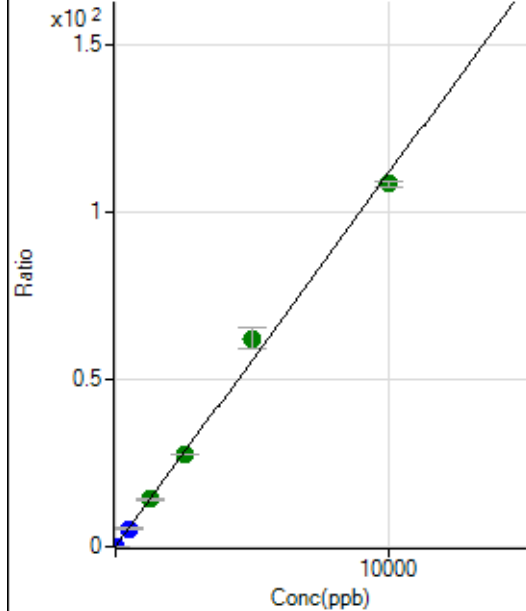
$$y = 0.0038 * x + 2.1727E-004$$

$$R = 0.9976$$

$$DL = 0.05548$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	698.91	0.0033	P	4.4
2	☐	2.000	1.853	5338.84	0.0240	P	3.4
3	☐	500.000	488.325	1194227.24	5.4570	P	3.1
4	☐	1250.000	1265.432	3068340.61	14.1360	A	2.7
5	☐	2500.000	2468.234	5872891.16	27.5692	A	0.9
6	☐	5000.000	5582.076	12144777.46	62.3454	A	10.2
7	☐	10000.000	9715.558	22646260.50	108.5093	A	1.3
8	☐			4239.57	0.0206	P	5.5

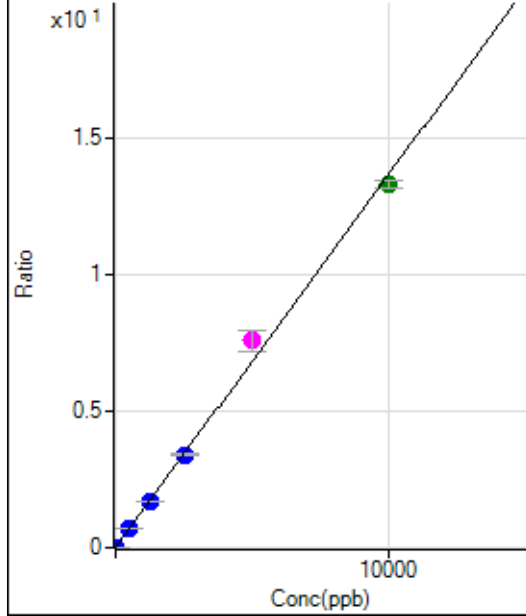
$$y = 0.0112 * x + 0.0033$$

$$R = 0.9974$$

$$DL = 0.03815$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	90.00	0.0004	P	20.6
2	☐	2.000	2.293	790.03	0.0035	P	4.2
3	☐	500.000	498.658	148946.29	0.6802	P	1.7
4	☐	1250.000	1245.190	368525.54	1.6979	P	1.7
5	☐	2500.000	2486.936	722332.84	3.3907	P	1.8
6	☐	5000.000	5549.196	1474374.77	7.5654	M	10.3
7	☐	10000.000	9729.336	2768705.48	13.2640	A	2.2
8	☐			1729.01	0.0084	P	2.4

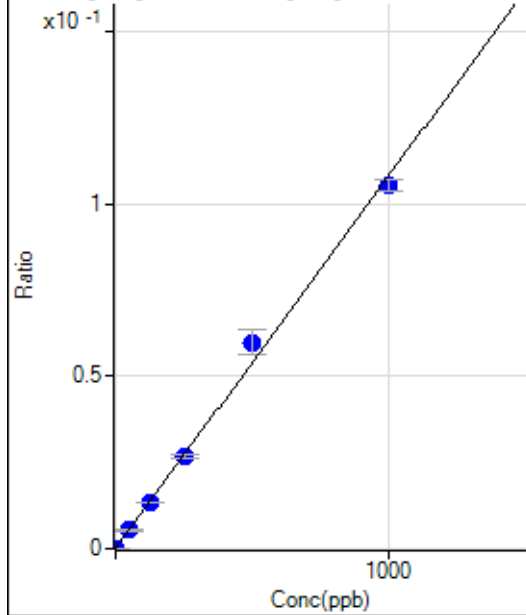
$$y = 0.0014 * x + 4.1904E-004$$

$$R = 0.9977$$

$$DL = 0.19$$

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	1.67	0.0000	P	34.8
2	☐	1.000	1.005	165.02	0.0001	P	4.1
3	☐	50.000	49.261	7899.01	0.0053	P	2.4
4	☐	125.000	122.747	19800.52	0.0133	P	1.8
5	☐	250.000	246.834	39402.71	0.0267	P	5.3
6	☐	500.000	553.925	81120.72	0.0598	P	12.4
7	☐	1000.000	974.148	152761.82	0.1052	P	3.1
8	☐			26.00	0.0000	P	21.4

$$y = 1.0801E-004 * x + 1.1318E-006$$

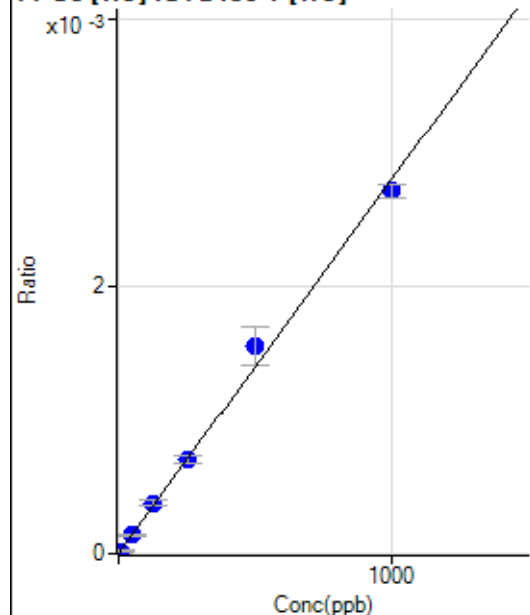
$$R = 0.9978$$

$$DL = 0.01093$$

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	2.22	0.0000	P	86.6
2	☐	5.000	5.299	24.45	0.0000	P	69.3
3	☐	50.000	48.718	204.45	0.0001	P	10.2
4	☐	125.000	135.669	567.79	0.0004	P	10.5
5	☐	250.000	251.681	1040.05	0.0007	P	8.0
6	☐	500.000	555.960	2095.74	0.0016	P	19.0
7	☐	1000.000	970.329	3935.04	0.0027	P	3.7
8	☐			0.00	0.0000	P	

$$y = 2.7912E-006 * x + 1.5205E-006$$

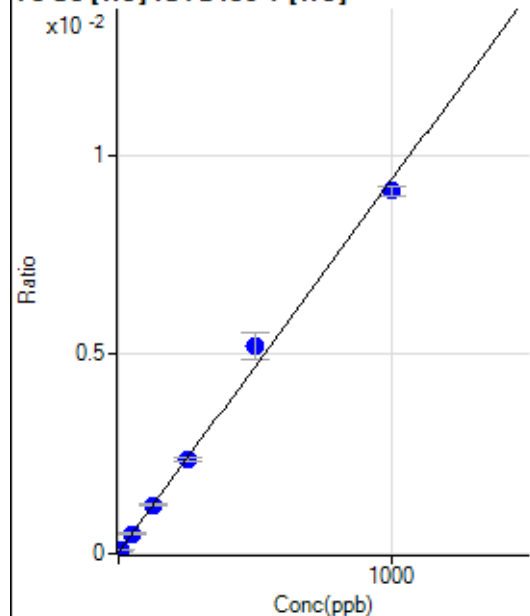
$$R = 0.9976$$

$$DL = 1.415$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	51.67	0.0000	P	17.7
2	☐	5.000	5.045	123.68	0.0001	P	5.4
3	☐	50.000	49.713	741.09	0.0005	P	3.3
4	☐	125.000	126.158	1810.97	0.0012	P	4.5
5	☐	250.000	251.057	3514.80	0.0024	P	3.7
6	☐	500.000	556.694	7086.50	0.0052	P	12.8
7	☐	1000.000	971.258	13210.53	0.0091	P	2.6
8	☐			62.34	0.0000	P	4.7

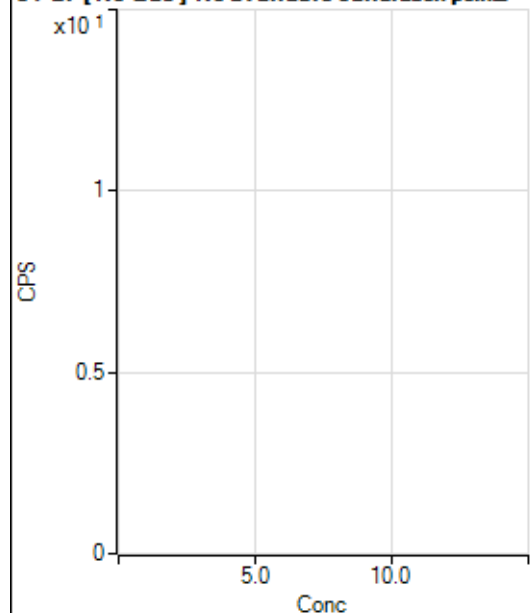
$$y = 9.3307E-006 * x + 3.5143E-005$$

$$R = 0.9976$$

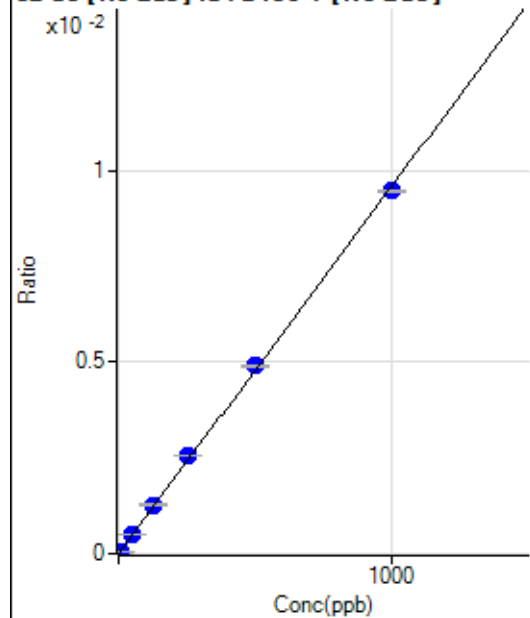
$$DL = 1.999$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			34179.08		P	3.0
2	☐			35710.90		P	1.2
3	☐			34805.28		P	1.4
4	☐			34142.81		P	2.4
5	☐			36354.06		P	0.5
6	☐			35894.26		P	3.4
7	☐			36997.44		P	2.8
8	☐			38284.42		P	2.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	6.67	0.0000	P	319.
2	☐	5.000	5.244	698.28	0.0001	P	2.9
3	☐	50.000	53.001	7084.02	0.0005	P	1.4
4	☐	125.000	132.755	17348.97	0.0013	P	2.8
5	☐	250.000	267.327	35243.11	0.0026	P	0.3
6	☐	500.000	512.316	68763.30	0.0049	P	1.2
7	☐	1000.000	988.389	134652.89	0.0095	P	0.7
8	☐			137.49	0.0000	P	22.6

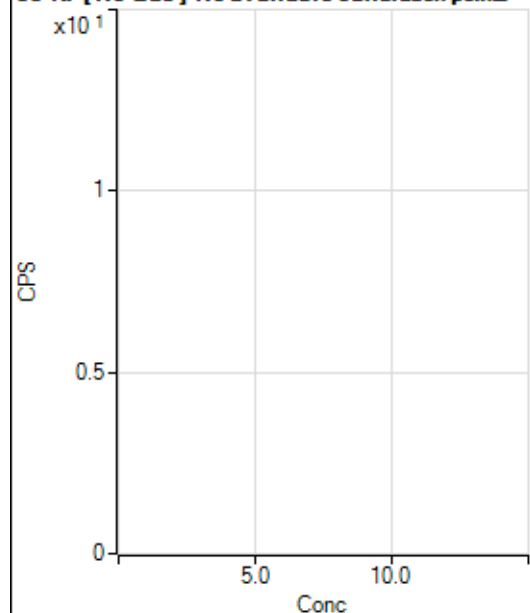
$$y = 9.5729\text{E-}006 * x + 4.9603\text{E-}007$$

$$R = 0.9997$$

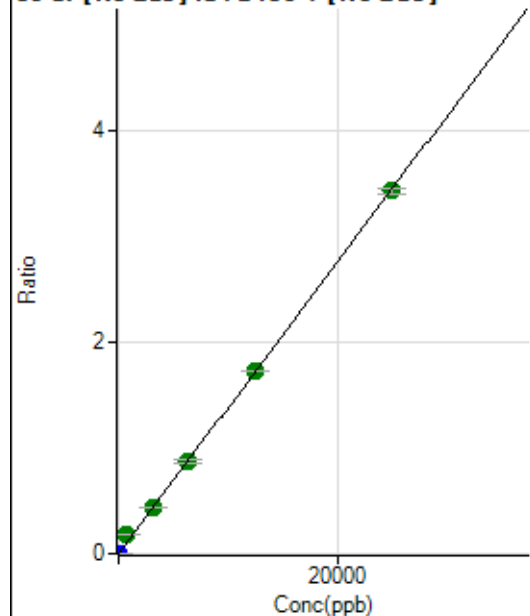
$$DL = 0.4962$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			352.04		P	6.6
2	☐			375.79		P	3.1
3	☐			364.13		P	12.9
4	☐			336.21		P	0.6
5	☐			379.54		P	9.0
6	☐			392.46		P	3.5
7	☐			397.04		P	3.9
8	☐			379.13		P	3.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	727.82	0.0001	P	16.5
2	☐	1.000	0.919	2497.52	0.0002	P	6.1
3	☐	625.000	1288.933	2477700.29	0.1777	A	3.6
4	☐	3125.000	3183.472	5987921.58	0.4388	A	2.1
5	☐	6250.000	6363.937	12074219.63	0.8771	A	4.4
6	☐	12500.000	12564.510	24275313.39	1.7315	A	0.3
7	☐	25000.000	24915.354	48857172.27	3.4336	A	1.5
8	☐			16070.86	0.0012	P	10.6

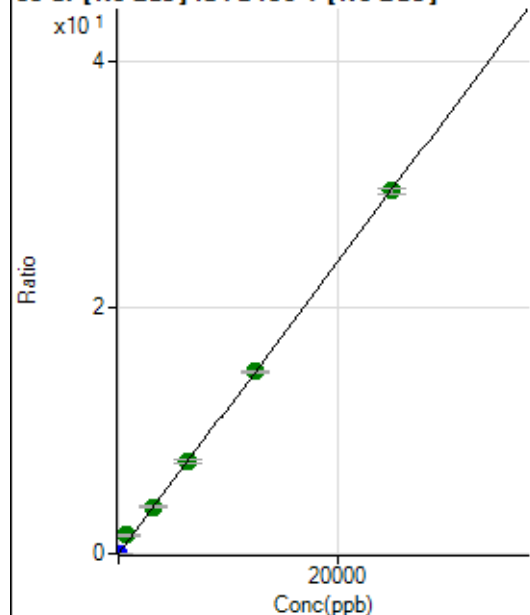
$$y = 1.3781\text{E-}004 * x + 5.4727\text{E-}005$$

$$R = 0.9997$$

$$DL = 0.1967$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	391.69	0.0000	P	70.4
2	☐	1.000	0.998	16646.48	0.0012	P	4.9
3	☐	625.000	1269.749	20930248.21	1.5008	A	2.3
4	☐	3125.000	3238.466	52236867.49	3.8276	A	2.1
5	☐	6250.000	6343.900	103229370.3	7.4980	A	2.6
6	☐	12500.000	12511.706	207326715.7	14.7879	A	0.9
7	☐	25000.000	24940.370	419435859.3	29.4775	A	1.8
8	☐			140176.87	0.0105	P	11.3

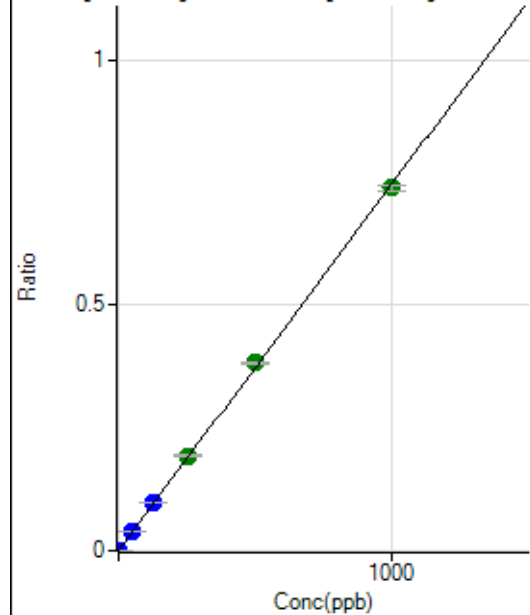
$$y = 0.0012 * x + 2.9608E-005$$

$$R = 0.9997$$

$$DL = 0.05288$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	497.24	0.0000	P	8.2
2	☐	1.000	1.003	10821.17	0.0008	P	1.7
3	☐	50.000	50.717	528391.92	0.0379	P	1.1
4	☐	125.000	130.281	1327182.31	0.0972	P	1.9
5	☐	250.000	259.453	2666003.99	0.1936	A	2.8
6	☐	500.000	512.555	5362078.03	0.3825	A	0.8
7	☐	1000.000	990.664	10520148.07	0.7392	A	1.8
8	☐			3347.77	0.0003	P	6.3

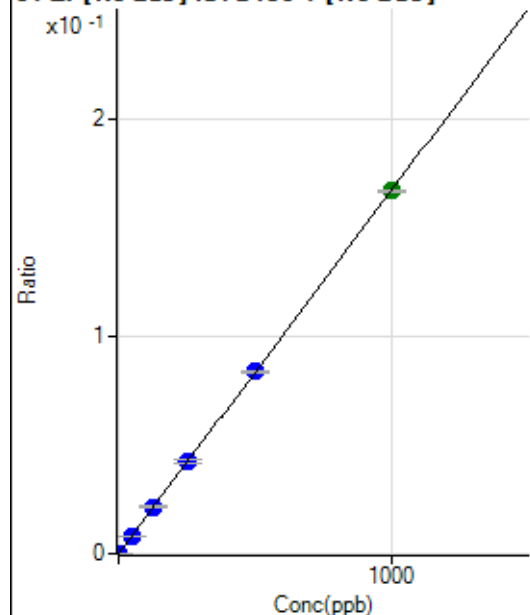
$$y = 7.4616E-004 * x + 3.7355E-005$$

$$R = 0.9998$$

$$DL = 0.01238$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	94.45	0.0000	P	34.0
2	☐	1.000	1.004	2411.38	0.0002	P	6.2
3	☐	50.000	49.586	115854.34	0.0083	P	1.2
4	☐	125.000	128.193	292871.30	0.0215	P	2.8
5	☐	250.000	253.542	584340.84	0.0424	P	2.6
6	☐	500.000	500.422	1174235.93	0.0838	P	1.1
7	☐	1000.000	998.525	2378276.18	0.1671	A	0.7
8	☐			763.93	0.0001	P	9.4

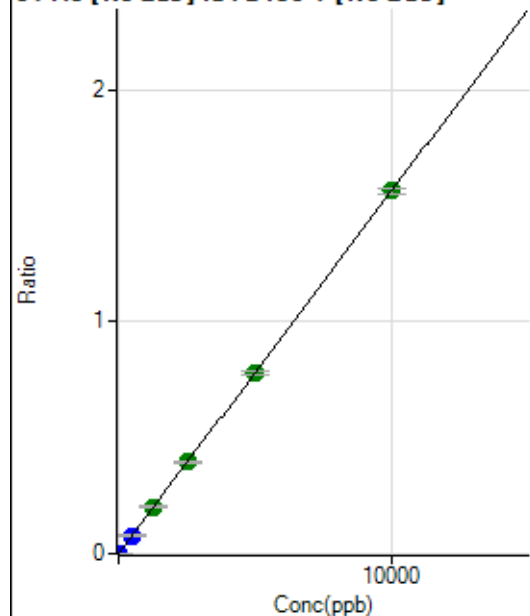
$$y = 1.6736E-004 * x + 7.1011E-006$$

$$R = 1.0000$$

$$DL = 0.0433$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	161.11	0.0000	P	33.6
2	☐	5.000	5.720	12486.48	0.0009	P	4.0
3	☐	500.000	503.258	1098215.33	0.0787	P	2.2
4	☐	1250.000	1284.344	2741628.05	0.2009	A	4.0
5	☐	2500.000	2539.581	5470389.71	0.3973	A	2.4
6	☐	5000.000	4964.981	10889234.10	0.7767	A	1.9
7	☐	10000.000	10003.158	22270615.08	1.5649	A	1.7
8	☐			5940.51	0.0004	P	22.7

$$y = 1.5644E-004 * x + 1.2123E-005$$

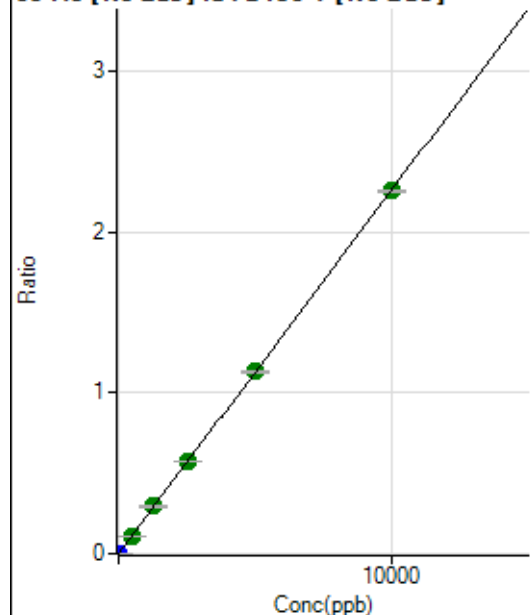
$$R = 1.0000$$

$$DL = 0.07815$$

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	44.45	0.0000	P	48.6
2	☐	5.000	4.765	14858.32	0.0011	P	1.8
3	☐	500.000	500.469	1575817.03	0.1130	A	0.6
4	☐	1250.000	1310.612	4036345.45	0.2958	A	3.7
5	☐	2500.000	2526.848	7853226.83	0.5703	A	1.0
6	☐	5000.000	5006.058	15841411.99	1.1299	A	1.0
7	☐	10000.000	9982.659	32063260.09	2.2532	A	0.5
8	☐			7508.03	0.0006	P	18.3

$$y = 2.2571E-004 * x + 3.3524E-006$$

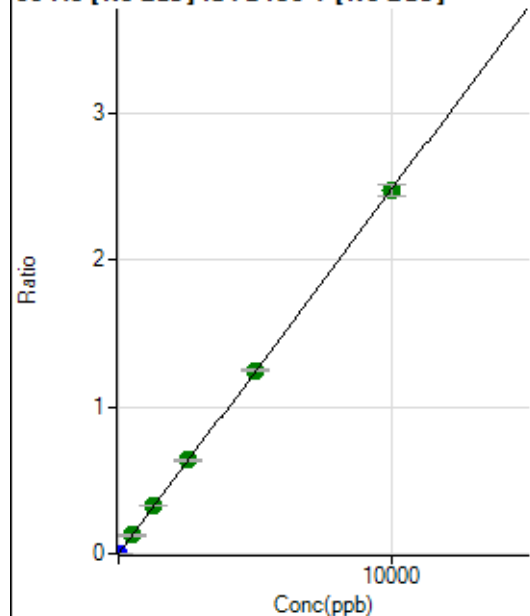
$$R = 1.0000$$

$$DL = 0.02167$$

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	44.45	0.0000	P	10.4
2	☐	5.000	4.865	16663.21	0.0012	P	1.6
3	☐	500.000	502.581	1738039.95	0.1246	A	1.8
4	☐	1250.000	1305.452	4417618.94	0.3237	A	1.4
5	☐	2500.000	2568.943	8770102.02	0.6370	A	2.7
6	☐	5000.000	5022.857	17460023.13	1.2454	A	1.1
7	☐	10000.000	9964.275	35161705.65	2.4706	A	3.1
8	☐			14402.49	0.0011	P	10.5

$$y = 2.4795E-004 * x + 3.3360E-006$$

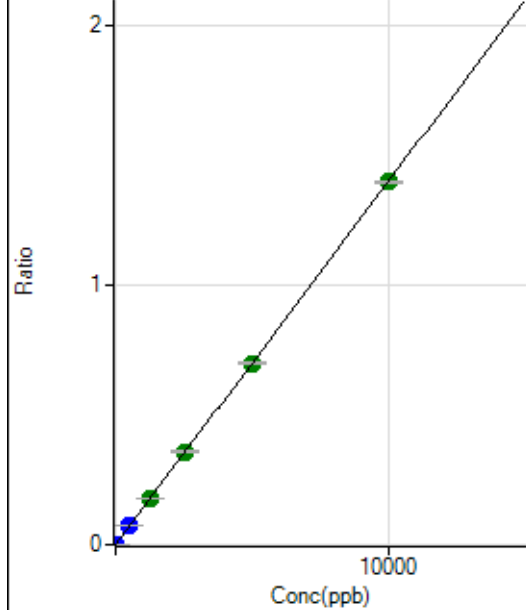
$$R = 1.0000$$

$$DL = 0.004213$$

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	11.11	0.0000	P	114.
2	☐	5.000	4.831	9314.51	0.0007	P	4.2
3	☐	500.000	511.148	996234.85	0.0714	P	2.6
4	☐	1250.000	1286.479	2453750.21	0.1798	A	1.3
5	☐	2500.000	2551.616	4909693.12	0.3566	A	2.5
6	☐	5000.000	4996.918	9789951.70	0.6983	A	1.4
7	☐	10000.000	9983.520	19853484.47	1.3951	A	0.8
8	☐			4717.64	0.0004	P	9.6

$$y = 1.3974\text{E-}004 * x + 8.2853\text{E-}007$$

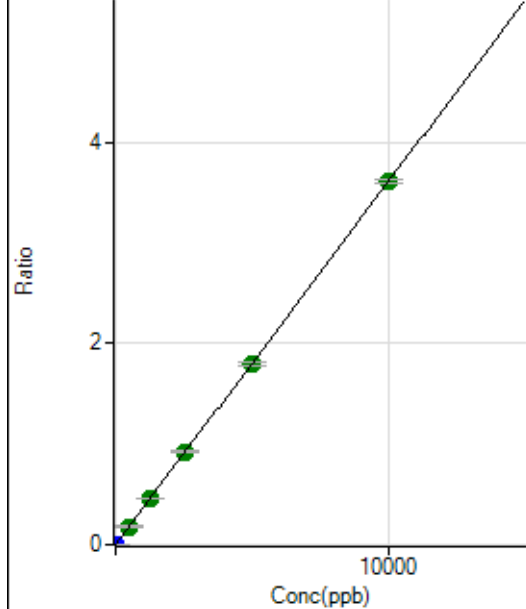
$$R = 1.0000$$

$$DL = 0.02042$$

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	13.89	0.0000	P	35.4
2	☐	5.000	4.757	23687.47	0.0017	P	2.3
3	☐	500.000	500.288	2519665.68	0.1807	A	5.6
4	☐	1250.000	1289.913	6360117.42	0.4660	A	0.7
5	☐	2500.000	2560.632	12736749.68	0.9250	A	2.4
6	☐	5000.000	4978.966	25214823.13	1.7985	A	1.7
7	☐	10000.000	9990.356	51354714.34	3.6088	A	0.9
8	☐			11702.84	0.0009	P	13.7

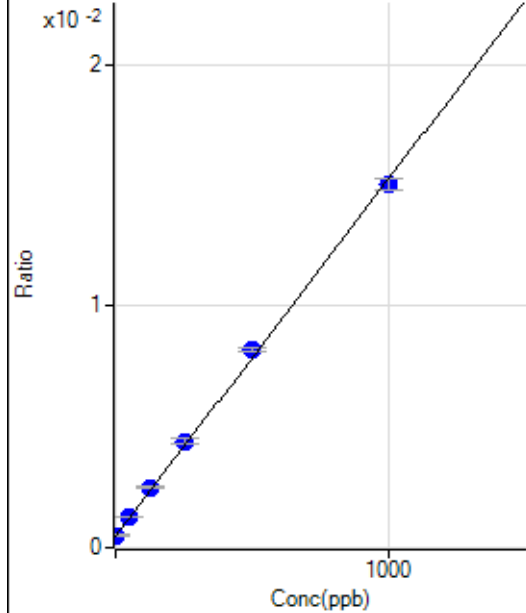
$$y = 3.6123\text{E-}004 * x + 1.0453\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.003074$$

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	5101.10	0.0005	P	4.0
2	☐	1.000	2.899	5687.45	0.0005	P	2.7
3	☐	50.000	55.958	14427.41	0.0013	P	2.0
4	☐	125.000	136.169	27778.84	0.0025	P	4.2
5	☐	250.000	266.252	50003.18	0.0044	P	4.8
6	☐	500.000	521.471	93330.51	0.0082	P	2.5
7	☐	1000.000	983.506	177801.98	0.0150	P	3.2
8	☐			5259.48	0.0005	P	3.3

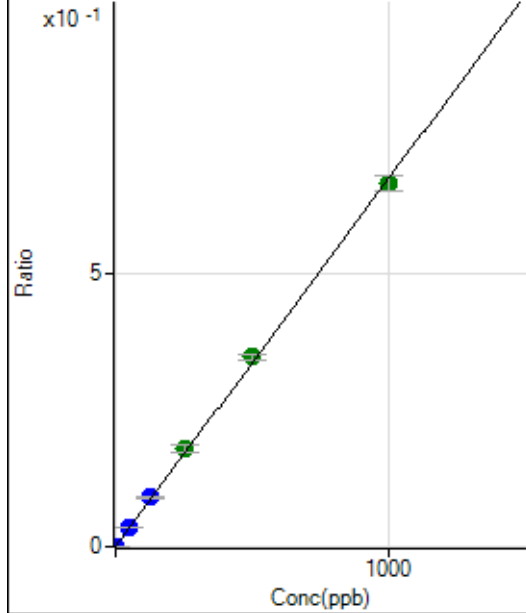
$$y = 1.4790\text{E-}005 * x + 4.6995\text{E-}004$$

$$R = 0.9995$$

$$DL = 3.813$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	138.89	0.0000	P	35.3
2	☐	1.000	1.055	8038.68	0.0007	P	8.3
3	☐	50.000	54.069	405950.05	0.0365	P	1.5
4	☐	125.000	133.765	1010408.79	0.0903	P	1.6
5	☐	250.000	266.729	2042032.29	0.1801	A	6.8
6	☐	500.000	516.444	3976437.89	0.3486	A	3.0
7	☐	1000.000	986.297	7883229.78	0.6658	A	4.4
8	☐			3539.52	0.0003	P	5.9

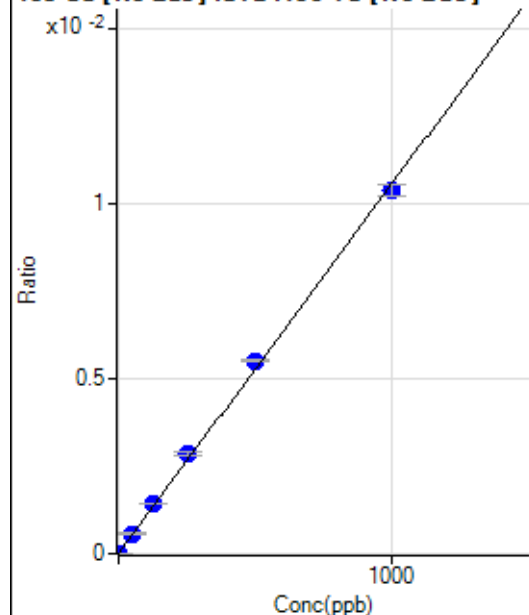
$$y = 6.7499\text{E-}004 * x + 1.2837\text{E-}005$$

$$R = 0.9996$$

$$DL = 0.02014$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	29.17	0.0000	P	52.5
2	☐	1.000	1.039	151.39	0.0000	P	5.4
3	☐	50.000	53.222	6265.40	0.0006	P	5.5
4	☐	125.000	135.990	16065.07	0.0014	P	2.5
5	☐	250.000	269.689	32281.03	0.0028	P	3.5
6	☐	500.000	522.486	62845.78	0.0055	P	1.3
7	☐	1000.000	982.300	122605.78	0.0104	P	3.1
8	☐			97.23	0.0000	P	28.6

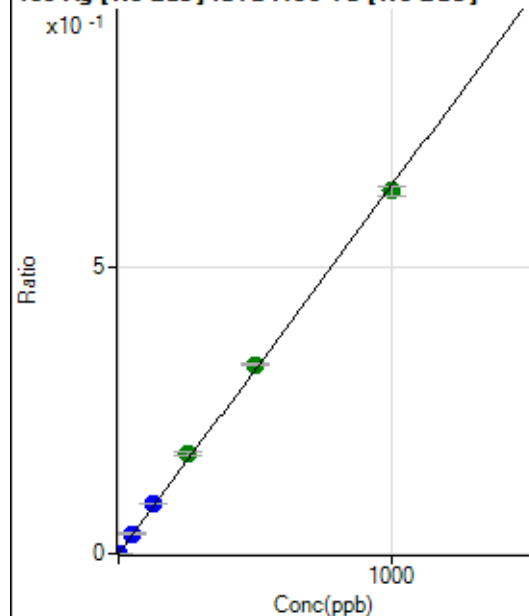
$$y = 1.0539\text{E-}005 * x + 2.7000\text{E-}006$$

$$R = 0.9994$$

$$DL = 0.4037$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.11	0.0000	P	27.1
2	☐	1.000	1.035	7435.57	0.0007	P	1.6
3	☐	50.000	54.719	389666.58	0.0350	P	0.7
4	☐	125.000	135.041	967682.46	0.0865	P	1.7
5	☐	250.000	271.168	1970155.84	0.1736	A	3.5
6	☐	500.000	514.692	3759499.87	0.3295	A	1.8
7	☐	1000.000	985.871	7474173.34	0.6312	A	2.6
8	☐			3467.21	0.0003	P	1.1

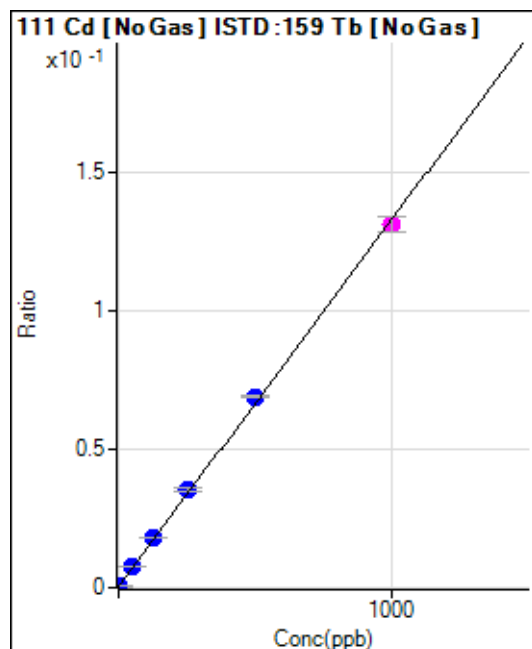
$$y = 6.4027\text{E-}004 * x + 7.9176\text{E-}006$$

$$R = 0.9996$$

$$DL = 0.01005$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3560.07	0.0003	P	3.8
2	☐	1.000	1.189	5387.84	0.0005	P	1.1
3	☐	50.000	55.078	84930.42	0.0076	P	0.6
4	☐	125.000	134.479	203352.12	0.0182	P	1.7
5	☐	250.000	265.278	403226.25	0.0355	P	3.8
6	☐	500.000	516.686	785995.10	0.0689	P	1.0
7	☐	1000.000	986.399	1553943.17	0.1312	M	4.4
8	☐			4116.37	0.0004	P	4.2

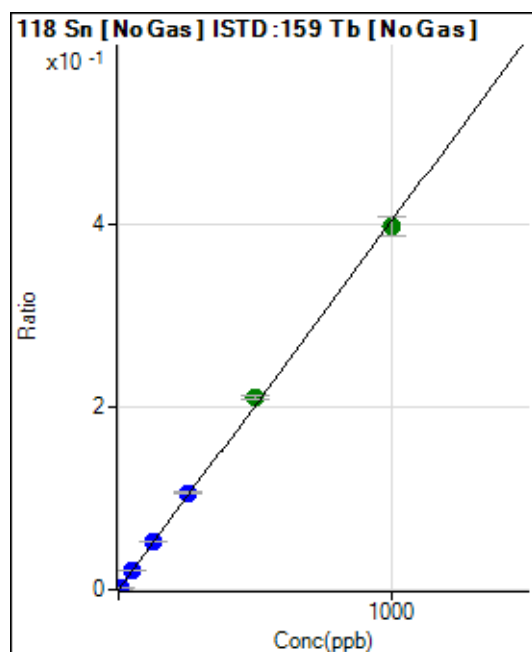
$$y = 1.3272\text{E-}004 * x + 3.2797\text{E-}004$$

$$R = 0.9996$$

$$DL = 0.2796$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	683.37	0.0001	P	12.6
2	☐	5.000	5.214	24035.58	0.0022	P	2.7
3	☐	50.000	53.958	242912.23	0.0218	P	2.1
4	☐	125.000	131.115	592904.64	0.0530	P	2.0
5	☐	250.000	262.549	1203552.65	0.1061	P	2.9
6	☐	500.000	522.607	2407695.39	0.2110	A	1.6
7	☐	1000.000	984.596	4706408.22	0.3976	A	5.4
8	☐			7794.15	0.0007	P	7.2

$$y = 4.0372\text{E-}004 * x + 6.3038\text{E-}005$$

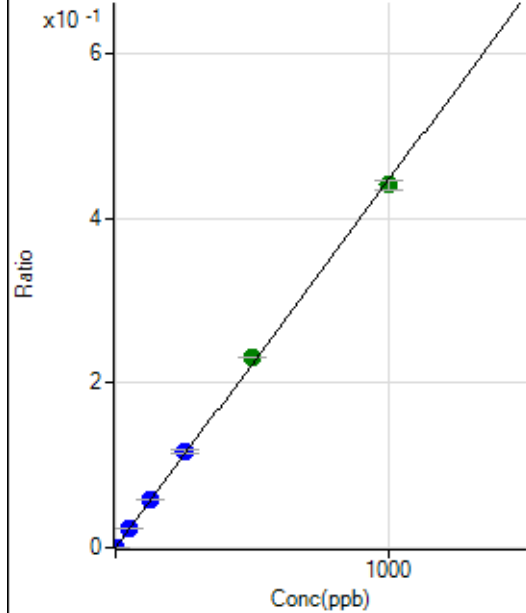
$$R = 0.9995$$

$$DL = 0.05911$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	25.00	0.0000	P	55.5
2	☐	2.000	2.043	10131.78	0.0009	P	5.8
3	☐	50.000	52.383	259895.70	0.0234	P	1.7
4	☐	125.000	130.422	651074.34	0.0582	P	2.6
5	☐	250.000	261.009	1321546.31	0.1165	P	2.8
6	☐	500.000	518.677	2640108.56	0.2314	A	0.3
7	☐	1000.000	987.112	5215443.09	0.4404	A	2.7
8	☐			2955.99	0.0003	P	8.0

$$y = 4.4617\text{E-}004 * x + 2.2860\text{E-}006$$

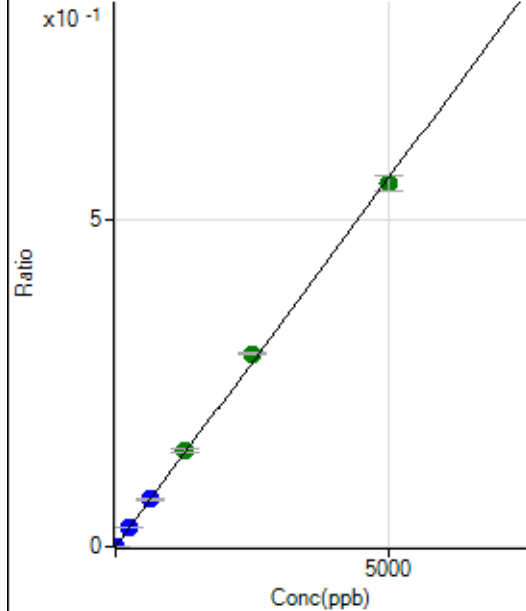
$$R = 0.9997$$

$$DL = 0.008524$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	13.89	0.0000	P	70.6
2	☐	10.000	9.970	12508.92	0.0011	P	0.9
3	☐	250.000	257.867	324080.53	0.0291	P	0.6
4	☐	625.000	642.728	813010.38	0.0726	P	2.3
5	☐	1250.000	1304.975	1673372.01	0.1475	A	4.0
6	☐	2500.000	2620.880	3379194.45	0.2962	A	1.0
7	☐	5000.000	4923.207	6588633.39	0.5564	A	4.4
8	☐			3806.18	0.0003	P	1.9

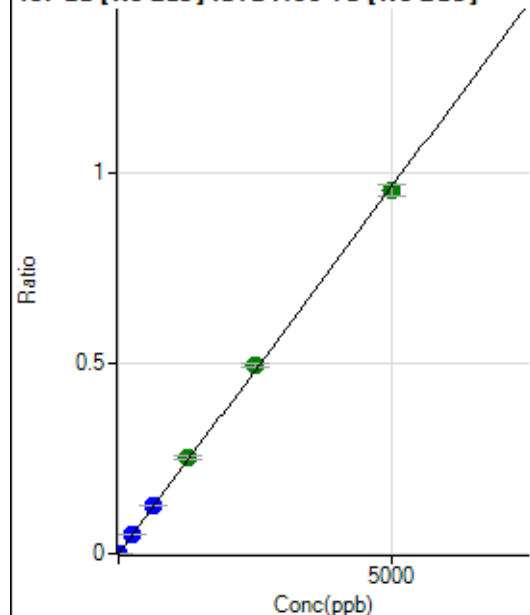
$$y = 1.1302\text{E-}004 * x + 1.2866\text{E-}006$$

$$R = 0.9995$$

$$DL = 0.0241$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	33.33	0.0000	P	41.0
2	☐	10.000	10.131	21690.24	0.0020	P	3.9
3	☐	250.000	263.177	564187.33	0.0507	P	2.1
4	☐	625.000	661.266	1426677.92	0.1275	P	0.9
5	☐	1250.000	1305.132	2855235.98	0.2516	A	3.9
6	☐	2500.000	2570.601	5652947.35	0.4956	A	2.3
7	☐	5000.000	4945.724	11290442.09	0.9535	A	3.3
8	☐			6354.48	0.0006	P	9.5

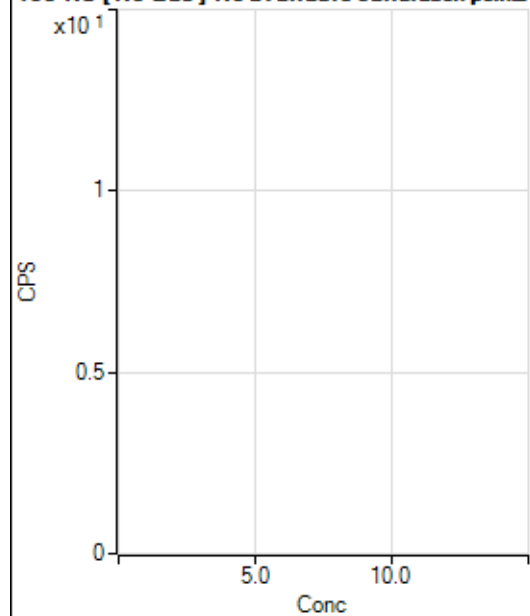
$$y = 1.9279\text{E-}004 * x + 3.0536\text{E-}006$$

$$R = 0.9998$$

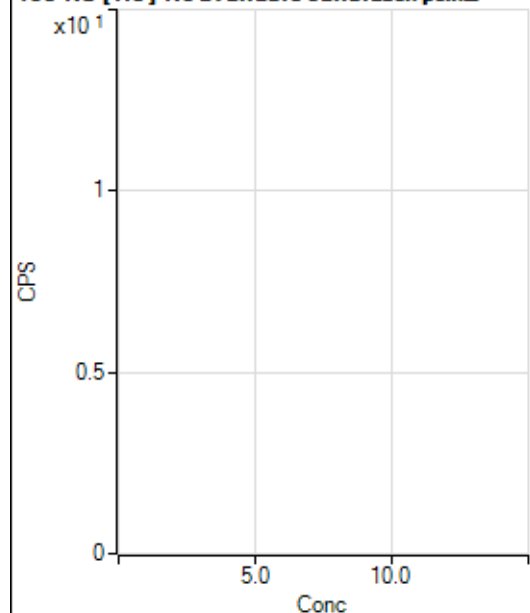
$$DL = 0.01948$$

Weight: <None>

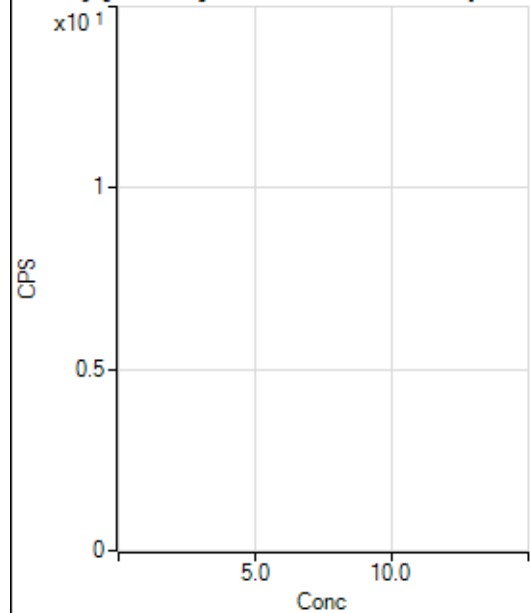
Min Conc: 0

150 Nd [No Gas] No available calibration points

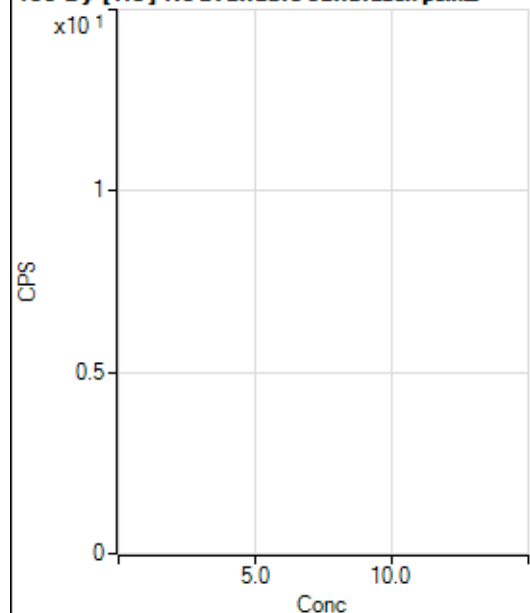
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	173.
2	☐			4.45		P	86.6
3	☐			62.22		P	43.3
4	☐			137.78		P	14.8
5	☐			211.12		P	10.2
6	☐			408.91		P	6.8
7	☐			806.71		P	3.6
8	☐			46.67		P	14.3

150 Nd [He] No available calibration points

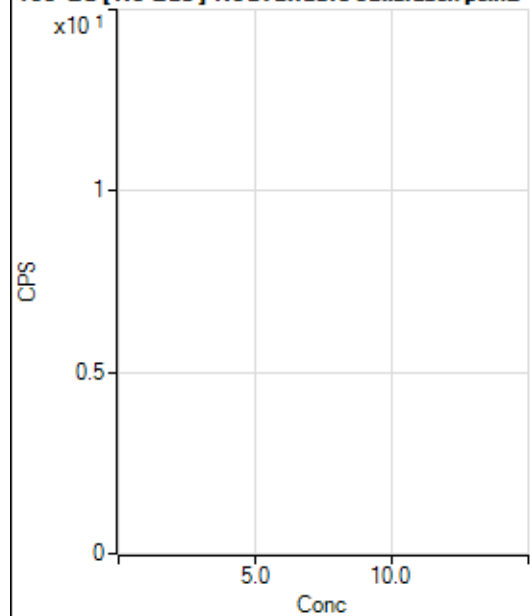
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐			1.11		P	173.
3	☐			4.45		P	86.6
4	☐			12.22		P	31.5
5	☐			18.89		P	44.4
6	☐			28.89		P	13.3
7	☐			46.66		P	12.4
8	☐			14.44		P	53.3

156 Dy [No Gas] No available calibration points

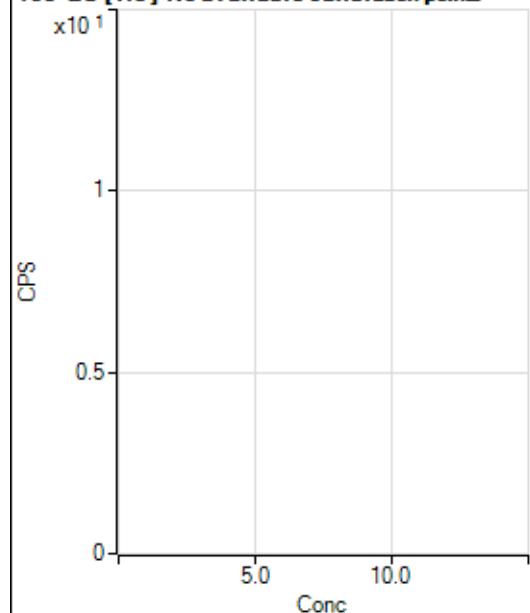
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.56		P	173.
2	☐			13.89		P	34.7
3	☐			25.00		P	0.0
4	☐			66.67		P	33.1
5	☐			94.45		P	50.2
6	☐			244.45		P	22.7
7	☐			386.13		P	21.6
8	☐			1163.97		P	6.1

156 Dy [He] No available calibration points

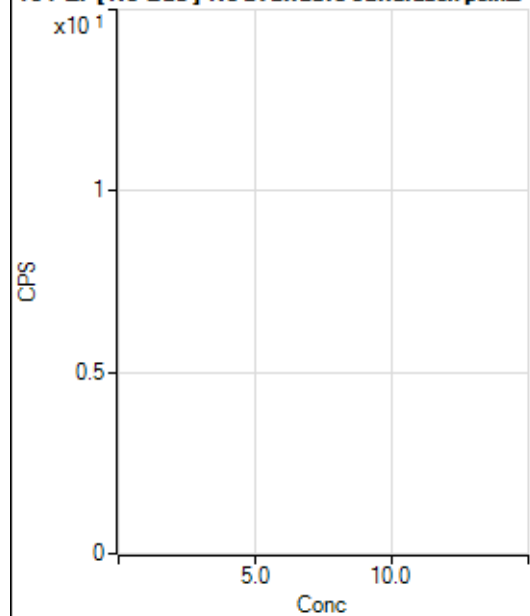
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	114.
2	☐			3.33		P	100.
3	☐			18.89		P	36.7
4	☐			25.55		P	15.1
5	☐			41.11		P	20.4
6	☐			87.78		P	25.3
7	☐			193.34		P	19.4
8	☐			517.80		P	6.9

160 Gd [No Gas] Noavailable calibration poin_

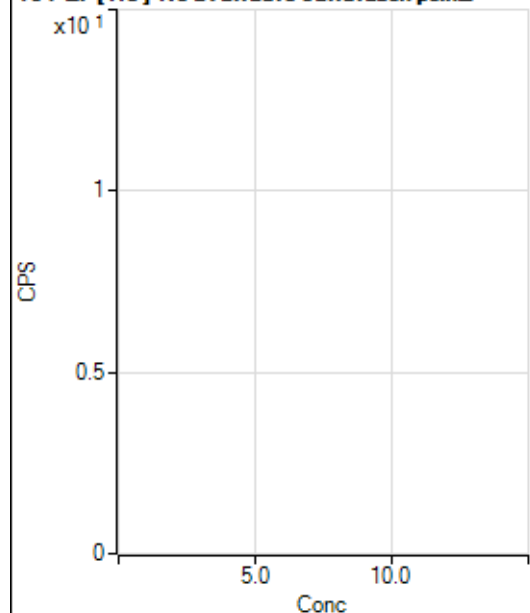
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			58.34		P	14.3
2	☐			102.78		P	12.4
3	☐			102.78		P	38.3
4	☐			127.78		P	16.4
5	☐			202.78		P	33.2
6	☐			277.79		P	6.2
7	☐			422.24		P	12.5
8	☐			1416.78		P	1.6

160 Gd [He] No available calibration points

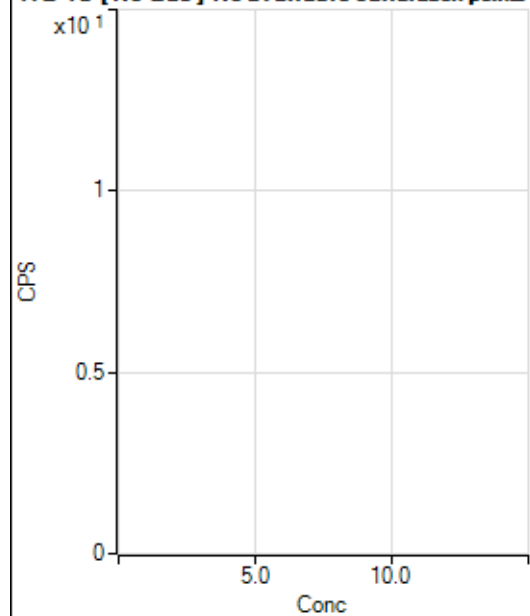
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			121.11		P	1.6
2	☐			118.89		P	25.4
3	☐			120.00		P	0.0
4	☐			144.45		P	11.6
5	☐			164.45		P	3.1
6	☐			216.67		P	20.2
7	☐			261.12		P	9.7
8	☐			682.25		P	7.1

164 Er [No Gas] No available calibration points

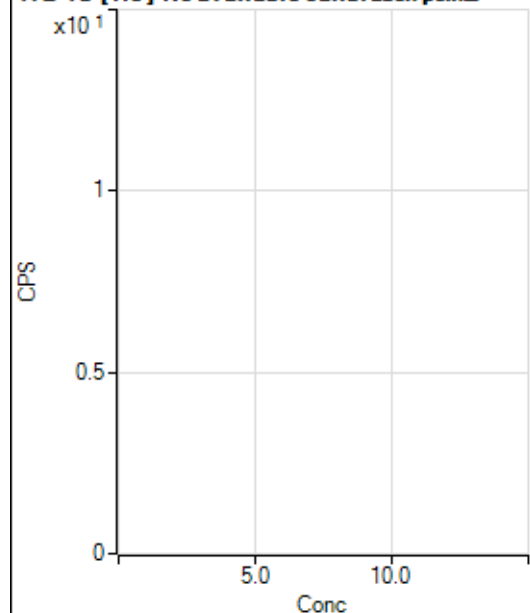
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			94.45		P	18.4
2	☐			75.00		P	50.9
3	☐			102.78		P	30.7
4	☐			88.89		P	51.6
5	☐			136.12		P	15.4
6	☐			88.89		P	14.3
7	☐			183.34		P	12.0
8	☐			144.45		P	21.8

164 Er [He] No available calibration points

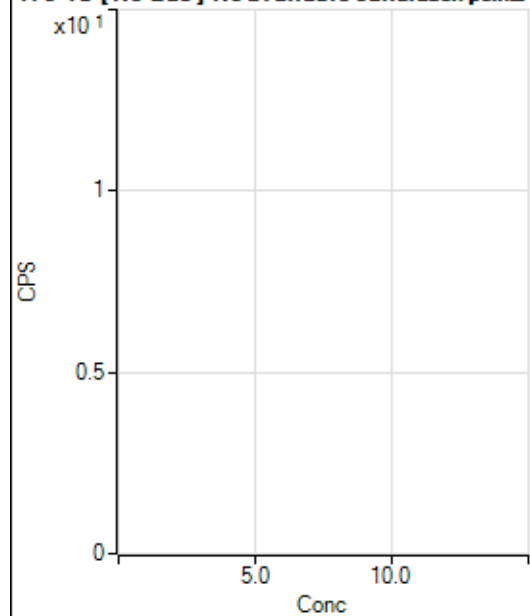
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			34.44		P	5.6
2	☐			26.67		P	33.1
3	☐			33.33		P	20.0
4	☐			32.22		P	36.3
5	☐			33.33		P	10.0
6	☐			30.00		P	40.1
7	☐			38.89		P	17.8
8	☐			54.44		P	9.4

172 Yb [No Gas] No available calibration points

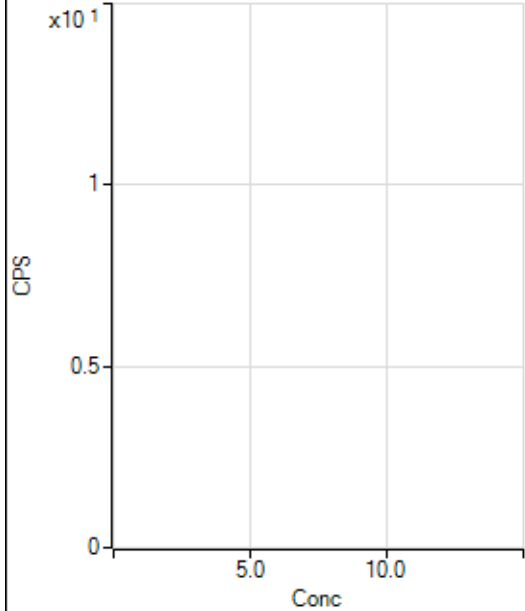
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			77.78		P	30.9
2	☐			91.67		P	36.4
3	☐			102.78		P	30.7
4	☐			75.00		P	29.4
5	☐			111.12		P	15.6
6	☐			147.23		P	6.5
7	☐			191.68		P	32.8
8	☐			513.91		P	11.7

172 Yb [He] No available calibration points

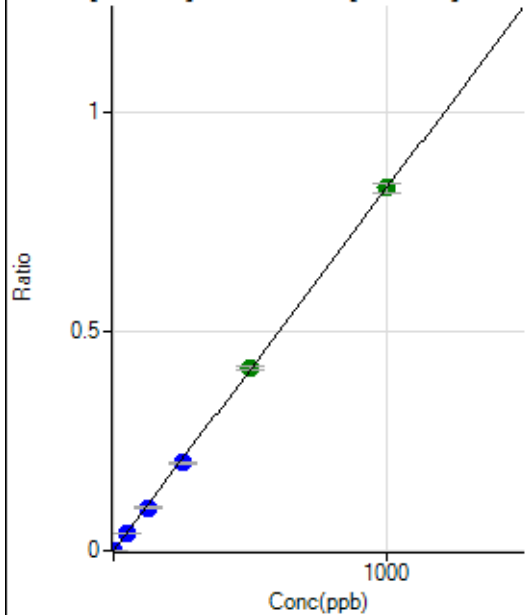
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			40.74		P	55.1
2	☐			33.33		P	44.1
3	☐			27.78		P	34.6
4	☐			29.63		P	10.8
5	☐			53.70		P	36.3
6	☐			59.26		P	61.0
7	☐			114.82		P	14.0
8	☐			242.60		P	17.8

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1941.86		P	7.6
2	☐			1966.87		P	5.1
3	☐			3286.62		P	4.2
4	☐			4845.47		P	3.7
5	☐			7894.26		P	4.4
6	☐			13963.32		P	2.8
7	☐			25258.10		P	2.4
8	☐			2064.12		P	13.0

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8940.22		P	6.6
2	☐			9029.16		P	1.1
3	☐			9208.89		P	1.4
4	☐			10332.03		P	3.0
5	☐			11842.53		P	4.1
6	☐			13314.42		P	6.8
7	☐			18481.78		P	2.5
8	☐			9066.25		P	2.1

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	88.89	0.0000	P	33.2
2	☐	1.000	0.966	5668.09	0.0008	P	2.5
3	☐	50.000	48.322	282990.18	0.0400	P	1.5
4	☐	125.000	119.315	701714.79	0.0987	P	0.7
5	☐	250.000	242.295	1441193.33	0.2004	P	3.2
6	☐	500.000	503.209	2929187.72	0.4162	A	2.2
7	☐	1000.000	1001.116	5812252.95	0.8281	A	2.9
8	☐			1300.10	0.0002	P	17.4

$$y = 8.2712E-004 * x + 1.2809E-005$$

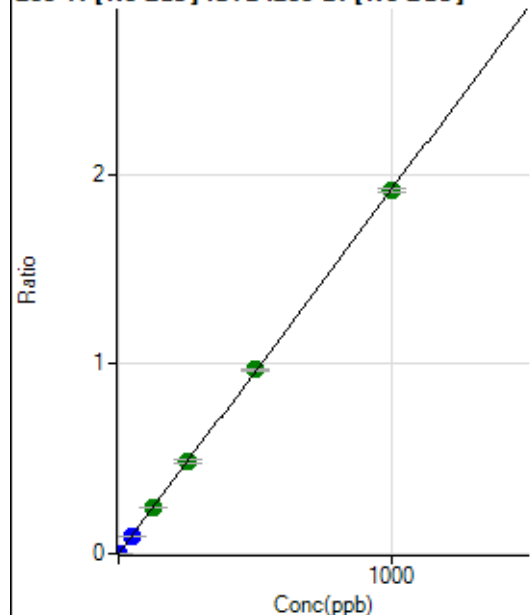
$$R = 1.0000$$

$$DL = 0.01542$$

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	152.78	0.0000	P	17.2
2	☐	1.000	0.961	13045.78	0.0019	P	0.7
3	☐	50.000	49.639	675381.21	0.0954	P	0.6
4	☐	125.000	125.071	1709134.61	0.2404	A	0.2
5	☐	250.000	253.587	3504408.59	0.4874	A	3.9
6	☐	500.000	505.589	6839737.87	0.9717	A	0.6
7	☐	1000.000	996.318	13439827.04	1.9147	A	0.9
8	☐			3097.72	0.0005	P	12.9

$$y = 0.0019 * x + 2.2006E-005$$

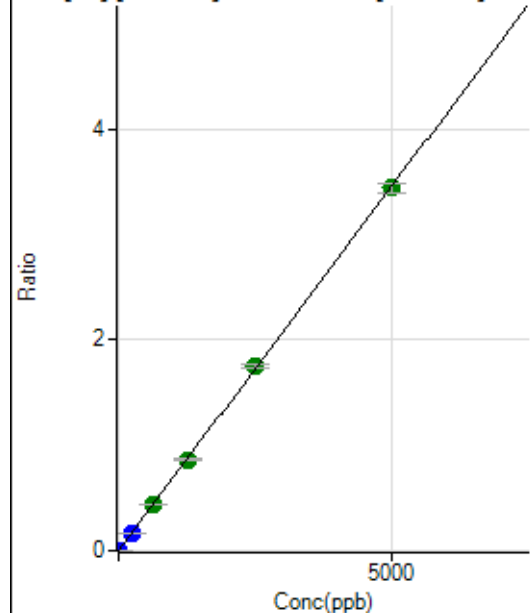
$$R = 1.0000$$

$$DL = 0.005913$$

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	500.02	0.0001	P	15.0
2	☐	1.000	0.918	4928.80	0.0007	P	3.5
3	☐	250.000	240.305	1175568.15	0.1661	P	1.6
4	☐	625.000	635.868	3123224.49	0.4394	A	1.7
5	☐	1250.000	1253.804	6229107.84	0.8662	A	3.1
6	☐	2500.000	2531.502	12312339.51	1.7489	A	1.5
7	☐	5000.000	4982.424	24159878.32	3.4421	A	2.8
8	☐			6559.24	0.0011	P	13.1

$$y = 6.9084E-004 * x + 7.2043E-005$$

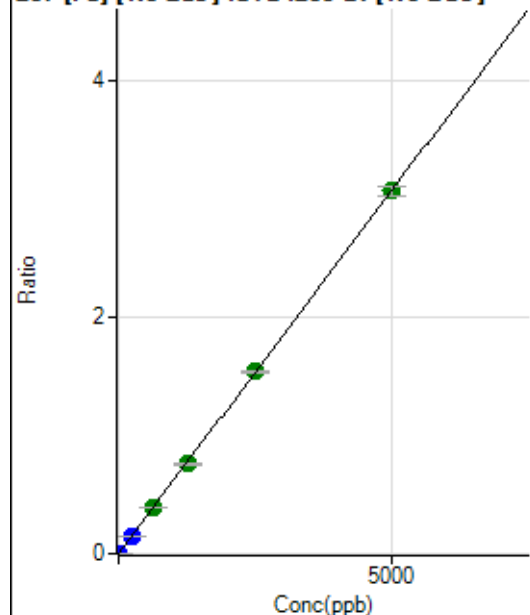
$$R = 1.0000$$

$$DL = 0.04681$$

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	500.02	0.0001	P	12.7
2	☐	1.000	0.922	4449.01	0.0006	P	2.9
3	☐	250.000	239.093	1037801.43	0.1466	P	1.3
4	☐	625.000	629.482	2743802.55	0.3859	A	0.8
5	☐	1250.000	1233.118	5436140.69	0.7559	A	1.9
6	☐	2500.000	2509.181	10825617.14	1.5380	A	0.6
7	☐	5000.000	4999.615	21508071.31	3.0645	A	3.0
8	☐			5835.53	0.0009	P	11.3

$$y = 6.1294E-004 * x + 7.2009E-005$$

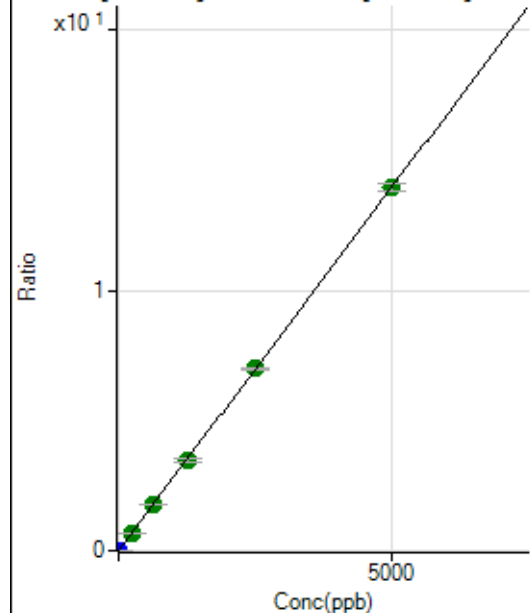
$$R = 1.0000$$

$$DL = 0.04465$$

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	2148.26	0.0003	P	9.8
2	☐	1.000	0.909	19845.17	0.0028	P	0.9
3	☐	250.000	245.695	4850917.42	0.6853	A	1.1
4	☐	625.000	634.483	12578253.18	1.7693	A	1.8
5	☐	1250.000	1247.258	25009498.25	3.4778	A	2.7
6	☐	2500.000	2505.632	49181311.63	6.9863	A	1.5
7	☐	5000.000	4996.900	97782547.56	13.9323	A	2.2
8	☐			26052.59	0.0042	P	12.4

$$y = 0.0028 * x + 3.0941E-004$$

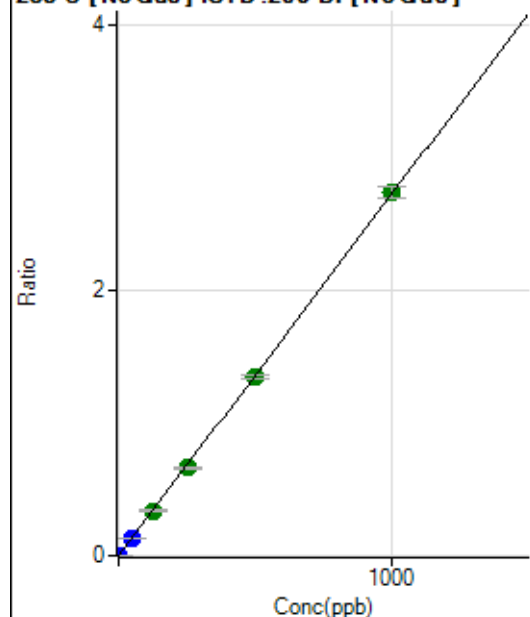
$$R = 1.0000$$

$$DL = 0.03264$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.34	0.0000	P	87.8
2	☐	1.000	0.944	18007.70	0.0026	P	1.4
3	☐	50.000	48.553	936913.02	0.1324	P	1.9
4	☐	125.000	124.321	2408945.10	0.3389	A	3.3
5	☐	250.000	244.445	4792417.82	0.6664	A	2.2
6	☐	500.000	494.134	9483056.72	1.3471	A	2.7
7	☐	1000.000	1004.479	19221290.54	2.7384	A	3.3
8	☐			2183.61	0.0004	P	26.4

$$y = 0.0027 * x + 4.8307E-006$$

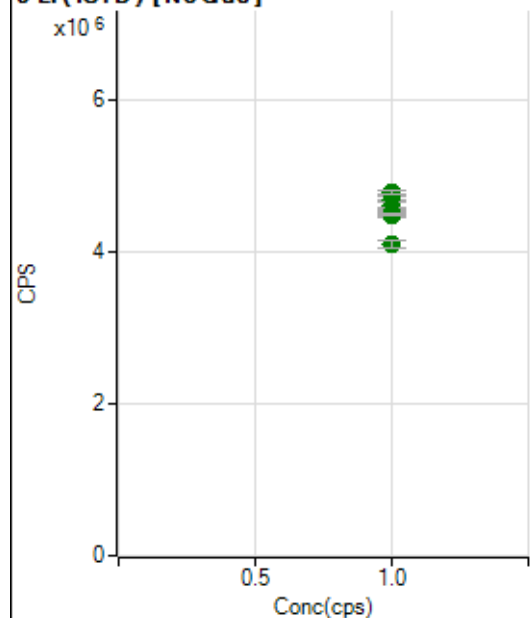
$$R = 1.0000$$

$$DL = 0.004665$$

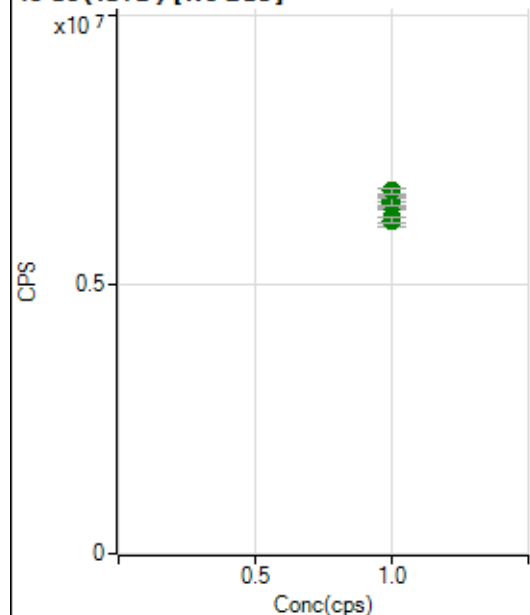
Weight: <None>

Min Conc: 0

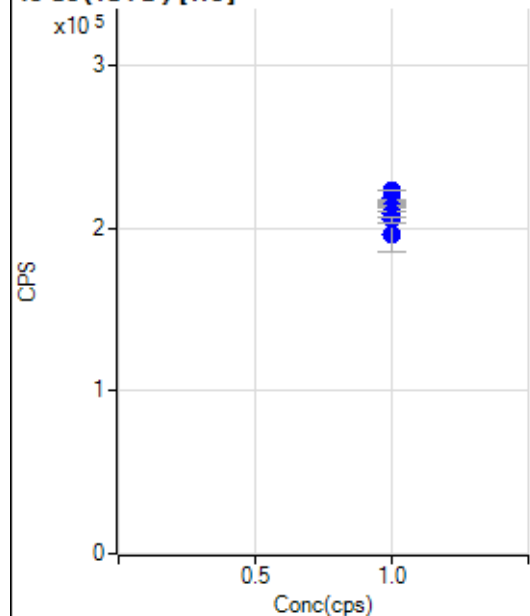
6 Li (ISTD) [No Gas]



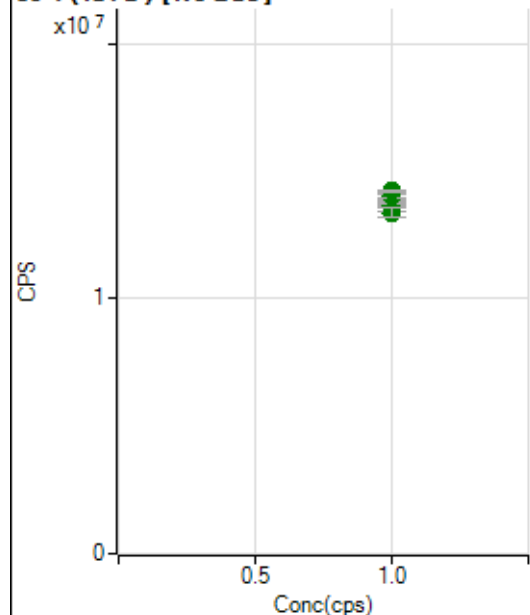
	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4614511.84		A	2.6
2	☐	1.000		4687914.64		A	1.9
3	☐	1.000		4772063.97		A	1.0
4	☐	1.000		4567401.27		A	0.9
5	☐	1.000		4529503.61		A	1.6
6	☐	1.000		4483721.52		A	1.6
7	☐	1.000		4500157.64		A	0.6
8	☐	1.000		4097513.34		A	2.3

45 Sc (ISTD) [No Gas]

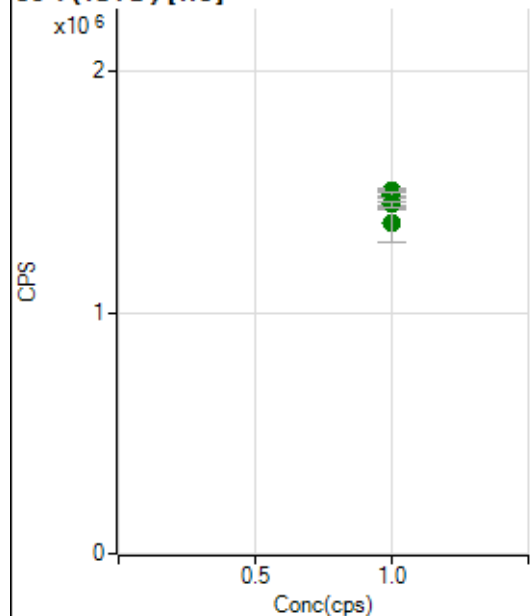
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6227748.52		A	5.0
2	☐	1.000		6488083.10		A	1.7
3	☐	1.000		6482104.28		A	3.1
4	☐	1.000		6466118.80		A	1.6
5	☐	1.000		6576347.40		A	1.6
6	☐	1.000		6513233.31		A	2.1
7	☐	1.000		6727271.98		A	1.5
8	☐	1.000		6182140.46		A	2.1

45 Sc (ISTD) [He]

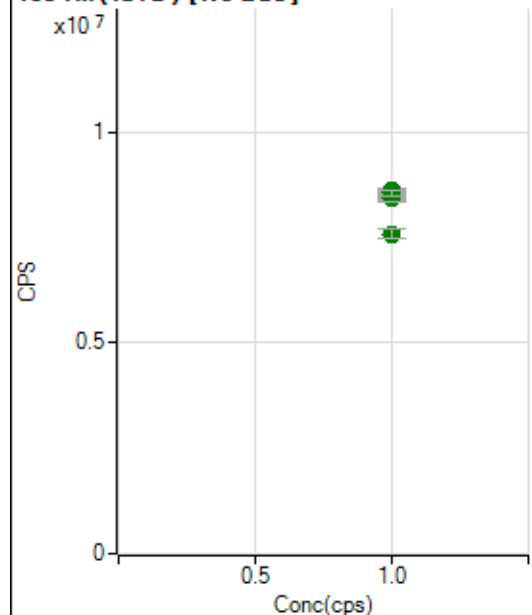
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		214770.12		P	0.0
2	☐	1.000		222891.81		P	0.1
3	☐	1.000		218962.10		P	3.6
4	☐	1.000		217031.70		P	0.8
5	☐	1.000		213019.94		P	0.5
6	☐	1.000		196249.14		P	10.9
7	☐	1.000		208727.36		P	1.5
8	☐	1.000		205228.24		P	2.0

89 Y (ISTD) [No Gas]

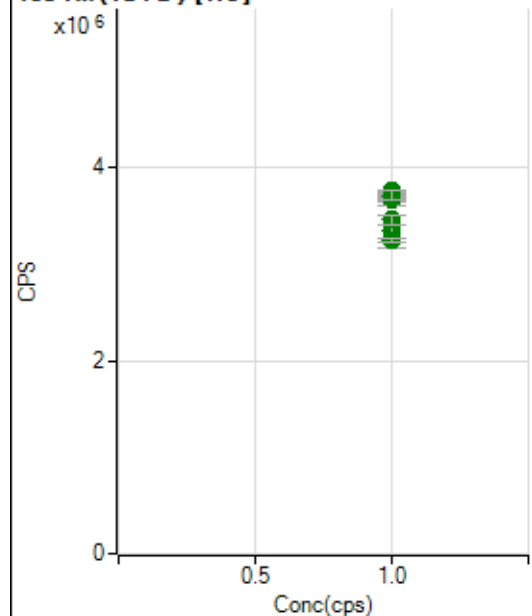
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13320849.38		A	1.5
2	☐	1.000		13773674.10		A	1.5
3	☐	1.000		13950063.27		A	1.8
4	☐	1.000		13649839.10		A	1.6
5	☐	1.000		13769151.04		A	0.7
6	☐	1.000		14019578.96		A	0.7
7	☐	1.000		14230133.68		A	0.6
8	☐	1.000		13380590.49		A	3.2

89 Y (ISTD) [He]

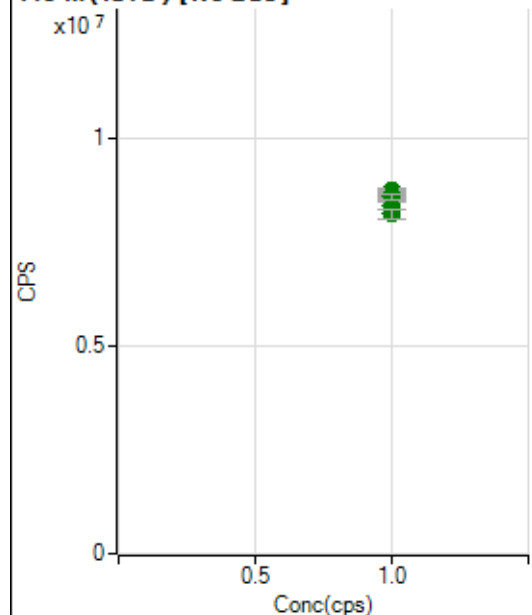
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1473226.77		A	1.8
2	☐	1.000		1503974.09		A	1.0
3	☐	1.000		1484787.89		A	3.3
4	☐	1.000		1493466.37		A	1.5
5	☐	1.000		1479068.63		A	2.2
6	☐	1.000		1368089.32		A	11.1
7	☐	1.000		1452836.13		A	3.3
8	☐	1.000		1448131.09		A	1.3

103 Rh (ISTD) [No Gas]

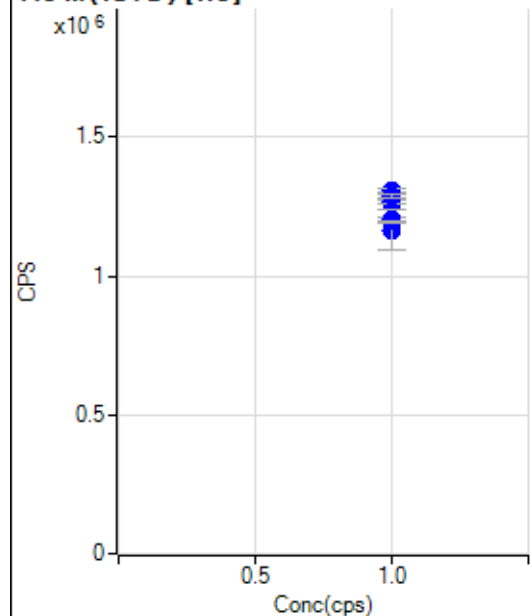
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8443867.46		A	1.6
2	☐	1.000		8490564.86		A	0.8
3	☐	1.000		8609011.39		A	1.1
4	☐	1.000		8489743.24		A	0.6
5	☐	1.000		8573747.24		A	2.4
6	☐	1.000		8443833.18		A	2.3
7	☐	1.000		8574888.21		A	1.5
8	☐	1.000		7586454.42		A	3.2

103 Rh (ISTD) [He]

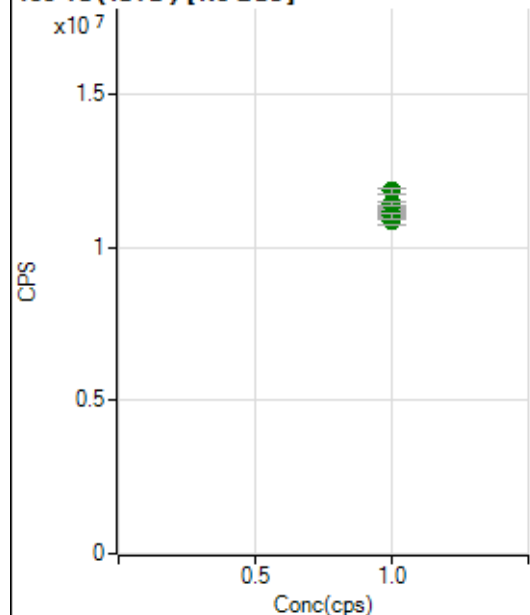
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3666697.65		A	0.9
2	☐	1.000		3760530.15		A	0.9
3	☐	1.000		3664043.03		A	3.0
4	☐	1.000		3692981.02		A	0.6
5	☐	1.000		3717245.74		A	2.3
6	☐	1.000		3341787.21		A	10.1
7	☐	1.000		3458367.59		A	2.6
8	☐	1.000		3250352.62		A	1.2

115 In (ISTD) [No Gas]

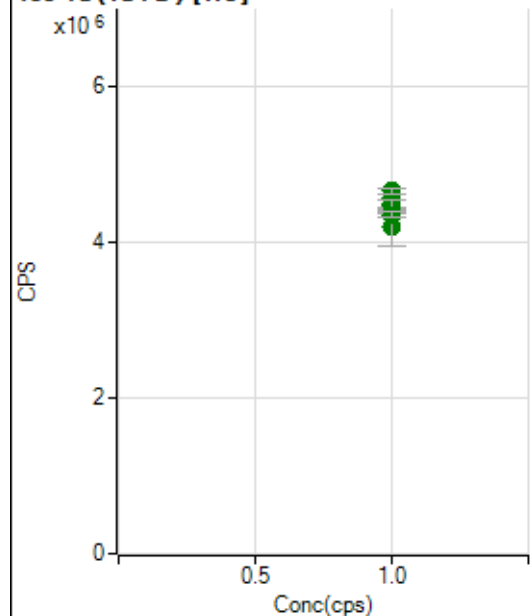
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8366149.17		A	2.2
2	☐	1.000		8678775.33		A	0.5
3	☐	1.000		8718957.91		A	1.7
4	☐	1.000		8660358.60		A	0.7
5	☐	1.000		8664766.03		A	2.9
6	☐	1.000		8658123.24		A	1.7
7	☐	1.000		8588891.30		A	1.8
8	☐	1.000		8173170.04		A	2.9

115 In (ISTD) [He]

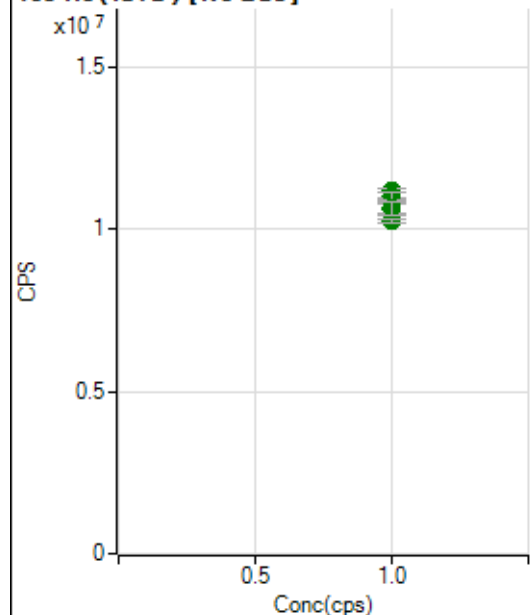
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1257927.11		P	2.4
2	☐	1.000		1306599.38		P	1.9
3	☐	1.000		1283876.98		P	3.3
4	☐	1.000		1268701.08		P	1.8
5	☐	1.000		1288653.28		P	1.2
6	☐	1.000		1166784.46		P	12.1
7	☐	1.000		1207177.14		P	1.3
8	☐	1.000		1196706.88		P	0.8

159 Tb (ISTD) [No Gas]

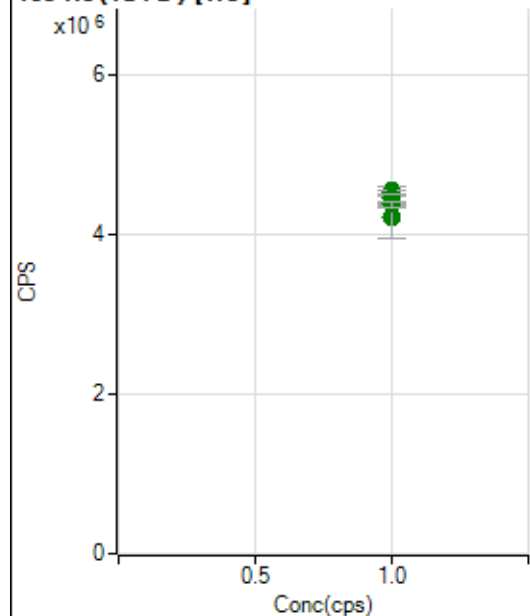
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10855049.84		A	2.1
2	☐	1.000		11089236.36		A	1.2
3	☐	1.000		11119868.03		A	0.7
4	☐	1.000		11190880.81		A	2.3
5	☐	1.000		11353130.25		A	2.4
6	☐	1.000		11408156.08		A	1.3
7	☐	1.000		11844024.27		A	1.9
8	☐	1.000		11023004.42		A	1.9

159 Tb (ISTD) [He]

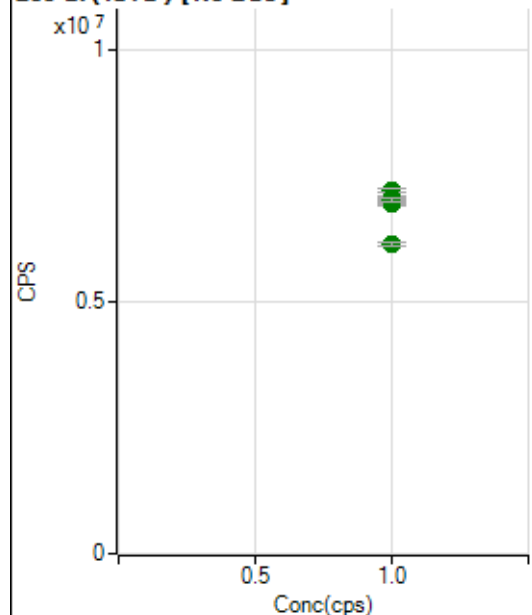
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4390932.71		A	0.4
2	☐	1.000		4578941.60		A	2.0
3	☐	1.000		4486768.06		A	2.3
4	☐	1.000		4471098.72		A	2.8
5	☐	1.000		4659715.73		A	1.7
6	☐	1.000		4188756.88		A	11.9
7	☐	1.000		4461998.68		A	3.5
8	☐	1.000		4359192.37		A	1.2

165 Ho (ISTD) [No Gas]

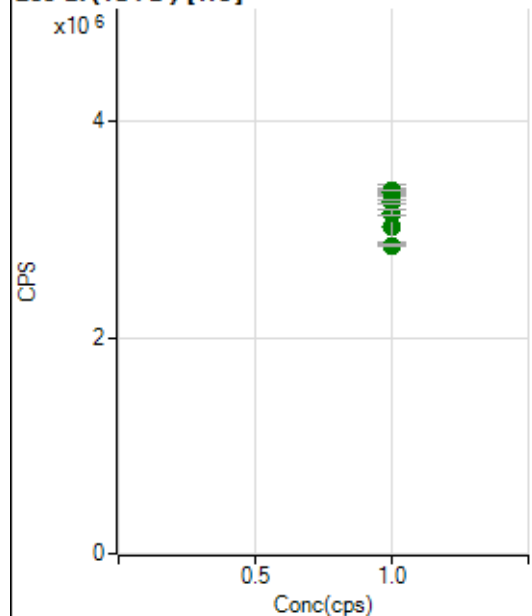
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10262813.42		A	1.0
2	☐	1.000		10648059.70		A	2.5
3	☐	1.000		10861043.65		A	1.2
4	☐	1.000		10860067.00		A	0.9
5	☐	1.000		11195951.55		A	1.0
6	☐	1.000		11066002.77		A	1.2
7	☐	1.000		11044188.70		A	2.3
8	☐	1.000		10655722.81		A	3.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4427435.25		A	2.8
2	☐	1.000		4540253.65		A	0.7
3	☐	1.000		4472074.97		A	3.8
4	☐	1.000		4553750.25		A	2.2
5	☐	1.000		4544428.23		A	1.1
6	☐	1.000		4222197.20		A	12.3
7	☐	1.000		4453683.48		A	2.3
8	☐	1.000		4384464.14		A	1.6

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6948493.51		A	1.2
2	☐	1.000		6980364.20		A	1.1
3	☐	1.000		7078139.27		A	0.0
4	☐	1.000		7110094.76		A	1.9
5	☐	1.000		7192703.23		A	1.2
6	☐	1.000		7038880.73		A	1.5
7	☐	1.000		7018945.17		A	1.0
8	☐	1.000		6145939.56		A	1.2

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3262517.14		A	1.3
2	☐	1.000		3330324.32		A	1.3
3	☐	1.000		3351192.07		A	4.5
4	☐	1.000		3359142.42		A	1.9
5	☐	1.000		3361205.54		A	0.0
6	☐	1.000		3036231.27		A	10.2
7	☐	1.000		3158007.38		A	1.4
8	☐	1.000		2858164.33		A	1.1