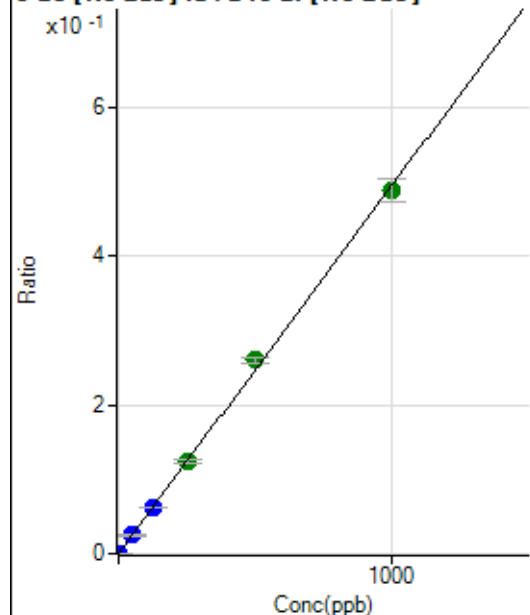


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8032622 MS.b\
Analysis File: P8032622 MS.batch.bin
DA Date-Time: 2022-03-26 20:18:59
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2022-03-26 13:04:36
2	006CALS.d	S02	2022-03-26 13:10:45
3	007CALS.d	S03	2022-03-26 13:13:48
4	008CALS.d	S04	2022-03-26 13:16:53
5	009CALS.d	S05	2022-03-26 13:19:56
6	010CALS.d	S06	2022-03-26 13:23:02
7	011CALS.d	S07	2022-03-26 13:26:05
8	012CALS.d	S08	2022-03-26 13:29:11

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	25.33	0.0000	P	25.3
2	☐	1.000	1.045	4164.45	0.0005	P	0.5
3	☐	50.000	50.988	200913.07	0.0252	P	7.8
4	☐	125.000	124.817	515228.95	0.0617	P	1.5
5	☐	250.000	251.417	1035658.46	0.1244	A	3.5
6	☐	500.000	525.767	1997973.36	0.2601	A	3.1
7	☐	1000.000	986.736	3923748.54	0.4881	A	6.5
8	☐			739.89	0.0001	P	18.4

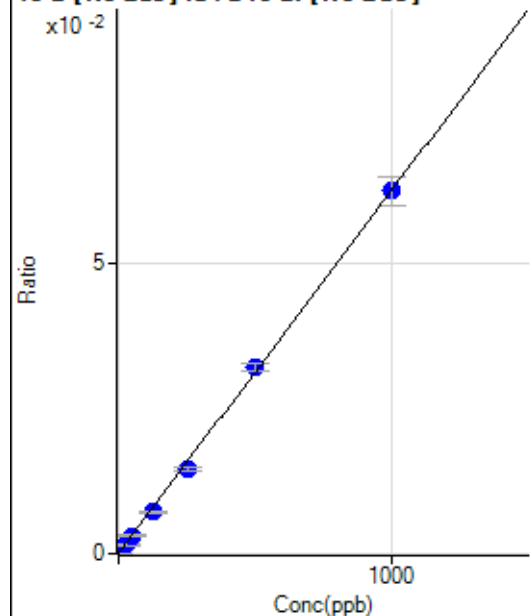
$$y = 4.9464\text{E-}004 * x + 3.1269\text{E-}006$$

$$R = 0.9995$$

$$DL = 0.004789$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	713.21	0.0001	P	1.8
2	☐	25.000	23.048	12181.37	0.0015	P	5.9
3	☐	50.000	48.704	24872.47	0.0031	P	8.3
4	☐	125.000	113.899	59860.80	0.0072	P	6.2
5	☐	250.000	231.232	120618.04	0.0145	P	3.5
6	☐	500.000	513.411	246114.11	0.0320	P	4.2
7	☐	1000.000	999.488	500658.91	0.0623	P	7.6
8	☐			71909.68	0.0096	P	9.8

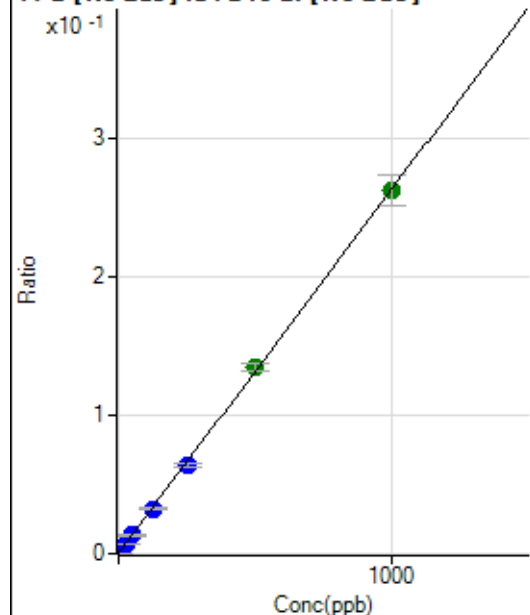
$$y = 6.2227\text{E-}005 * x + 8.8344\text{E-}005$$

$$R = 0.9996$$

$$DL = 0.07496$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3166.40	0.0004	P	3.5
2	☐	25.000	24.477	54653.15	0.0068	P	7.8
3	☐	50.000	49.151	106305.54	0.0133	P	6.0
4	☐	125.000	120.915	268705.54	0.0322	P	5.1
5	☐	250.000	243.078	536214.77	0.0644	P	4.8
6	☐	500.000	511.948	1038279.87	0.1351	A	3.7
7	☐	1000.000	996.323	2109259.74	0.2626	A	8.6
8	☐			310115.93	0.0416	P	8.4

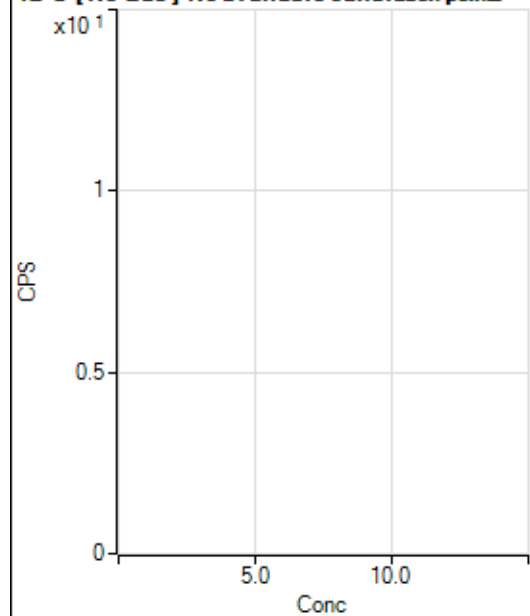
$$y = 2.6313E-004 * x + 3.9267E-004$$

$$R = 0.9999$$

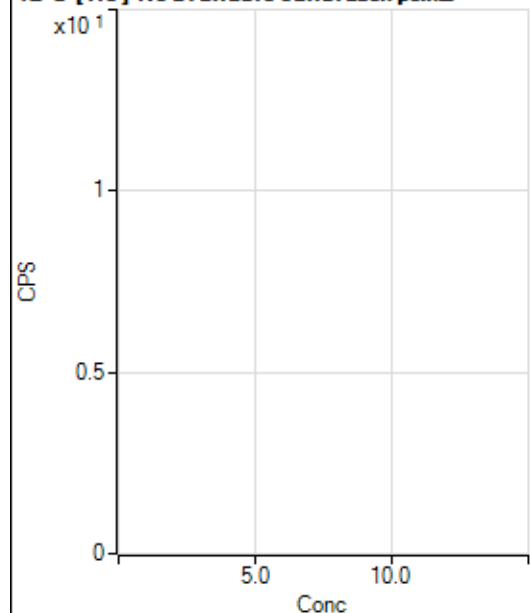
$$DL = 0.1589$$

Weight: <None>

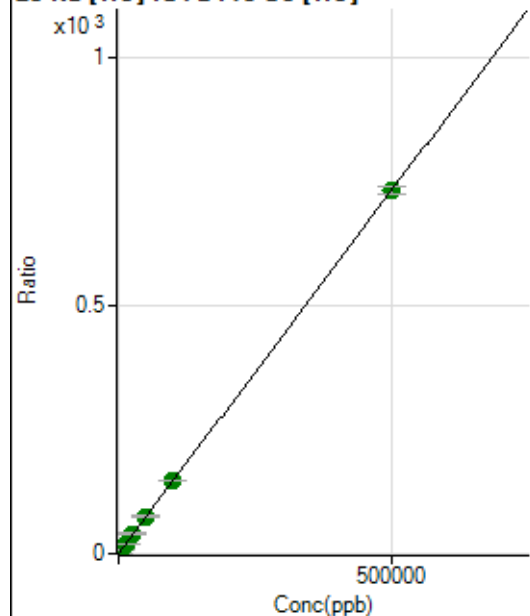
Min Conc: 0

12 C [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			9475401.60		A	1.6
2	☐			9540402.47		A	0.7
3	☐			10399170.98		A	0.7
4	☐			10554120.72		A	2.2
5	☐			10725284.96		A	0.3
6	☐			10823953.89		A	1.4
7	☐			12115660.95		A	1.3
8	☐			10727936.70		A	1.1

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			85940.73		P	0.8
2	☐			87049.58		P	1.2
3	☐			93754.79		P	0.6
4	☐			96576.02		P	2.0
5	☐			97569.03		P	1.2
6	☐			103429.93		P	1.2
7	☐			119313.84		P	0.9
8	☐			107212.17		P	2.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	12711.37	0.0511	P	3.8
2	☐	500.000	454.108	180462.20	0.7168	P	1.8
3	☐	5000.000	5093.622	1899569.29	7.5175	A	0.2
4	☐	12500.000	12762.076	4621274.41	18.7583	A	2.3
5	☐	25000.000	27028.726	9125481.80	39.6709	A	5.7
6	☐	50000.000	51598.704	17840448.32	75.6865	A	1.8
7	☐	100000.00	100743.04	36873982.77	147.7241	A	1.5
8	☐	500000.00	499582.64	181766461.0	732.3585	A	2.1

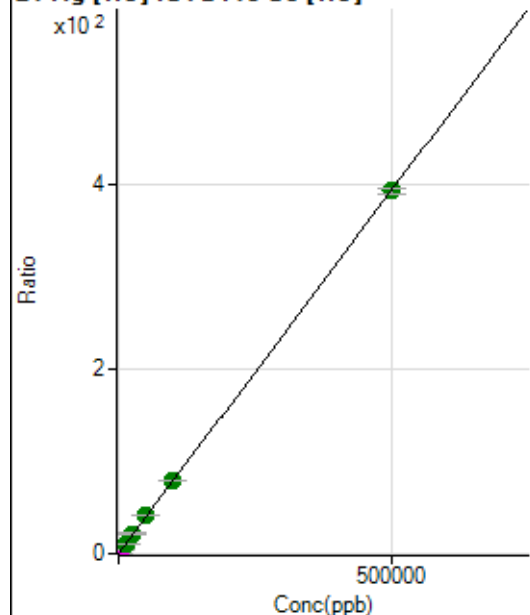
$$y = 0.0015 * x + 0.0511$$

$$R = 1.0000$$

$$DL = 4.001$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	316.68	0.0013	P	14.7
2	☐	500.000	470.879	93615.57	0.3718	P	3.0
3	☐	5000.000	5107.580	1015821.23	4.0206	M	3.2
4	☐	12500.000	13082.562	2536832.54	10.2964	A	1.4
5	☐	25000.000	27620.274	4996198.33	21.7366	A	7.1
6	☐	50000.000	52080.915	9660924.61	40.9856	A	0.9
7	☐	100000.00	101318.20	19903636.38	79.7321	A	0.6
8	☐	500000.00	499381.64	97534057.74	392.9823	A	1.4

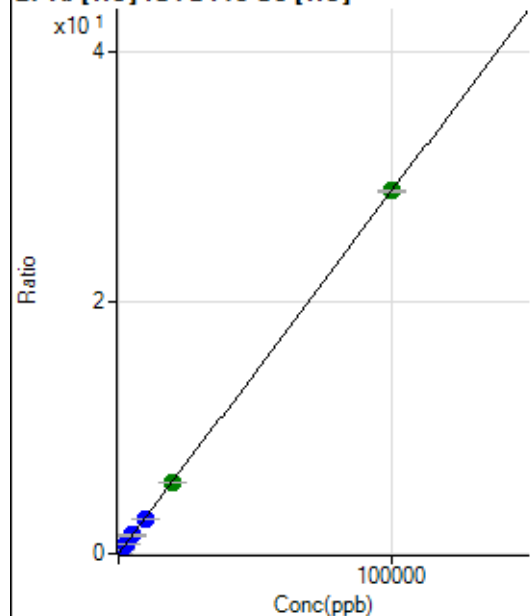
$$y = 7.8694\text{E-}004 * x + 0.0013$$

$$R = 1.0000$$

$$DL = 0.7147$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	83.32	0.0003	P	7.4
2	☐	20.000	18.570	1432.82	0.0057	P	2.9
3	☐	1000.000	977.923	71368.13	0.2825	P	1.2
4	☐	2500.000	2437.908	173350.63	0.7036	P	1.1
5	☐	5000.000	5187.748	343731.94	1.4969	P	8.9
6	☐	10000.000	9737.863	662267.19	2.8096	P	0.6
7	☐	20000.000	19736.958	1421414.07	5.6942	A	0.5
8	☐	100000.00	100071.20	7165787.83	28.8696	A	0.3

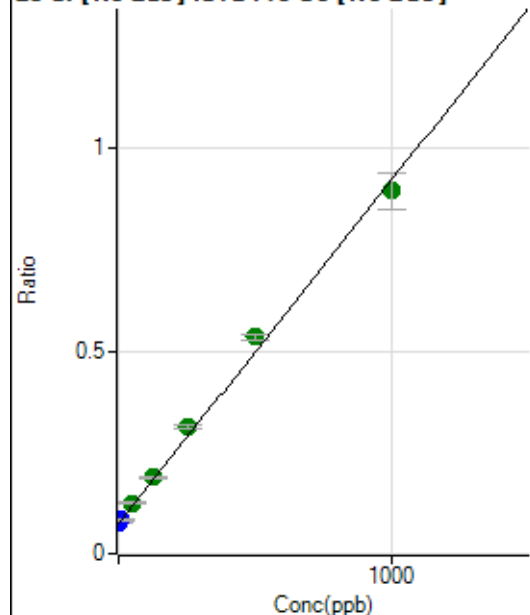
$$y = 2.8849\text{E-}004 * x + 3.3504\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.2592$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	745227.02	0.0743	P	1.5
2	☐	10.000	11.669	834699.94	0.0842	P	4.2
3	☐	50.000	60.250	1272377.29	0.1254	A	3.2
4	☐	125.000	134.947	1935141.67	0.1888	A	2.7
5	☐	250.000	280.206	3061546.60	0.3121	A	2.7
6	☐	500.000	544.371	5182597.73	0.5362	A	2.6
7	☐	1000.000	968.490	9132379.72	0.8960	A	10.4
8	☐			2306428.05	0.2426	A	3.8

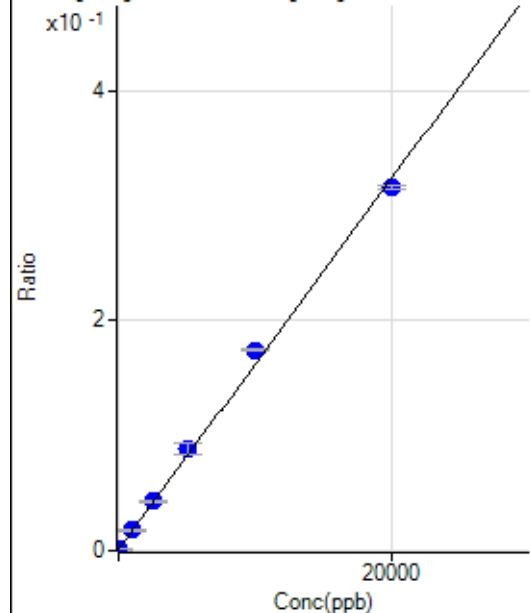
$$y = 8.4847E-004 * x + 0.0743$$

$$R = 0.9980$$

$$DL = 3.957$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-15.275	183.34	0.0007	P	16.2
2	☐	0.000	15.275	308.35	0.0012	P	24.0
3	☐	1000.000	1028.446	4436.91	0.0176	P	2.5
4	☐	2500.000	2596.883	10556.92	0.0428	P	1.8
5	☐	5000.000	5453.455	20392.73	0.0889	P	10.6
6	☐	10000.000	10741.963	41048.15	0.1741	P	0.9
7	☐	20000.000	19502.122	78720.38	0.3153	P	1.1
8	☐			261.12	0.0011	P	23.4

$$y = 1.6119E-005 * x + 9.8330E-004$$

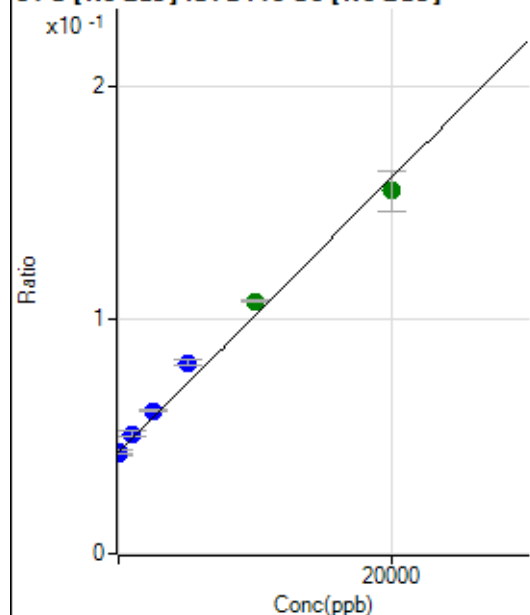
$$R = 0.9986$$

$$DL = 38.54$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-112.803	426364.34	0.0425	P	0.9
2	☐	0.000	112.803	434568.85	0.0438	P	4.1
3	☐	1000.000	1355.801	518601.43	0.0512	P	5.1
4	☐	2500.000	3019.886	624888.21	0.0610	P	1.0
5	☐	5000.000	6553.992	802129.71	0.0818	P	2.2
6	☐	10000.000	11022.732	1044468.88	0.1081	A	1.1
7	☐	20000.000	19017.360	1580542.41	0.1551	A	10.9
8	☐			355000.39	0.0373	P	1.1

$$y = 5.8868\text{E-}006 * x + 0.0432$$

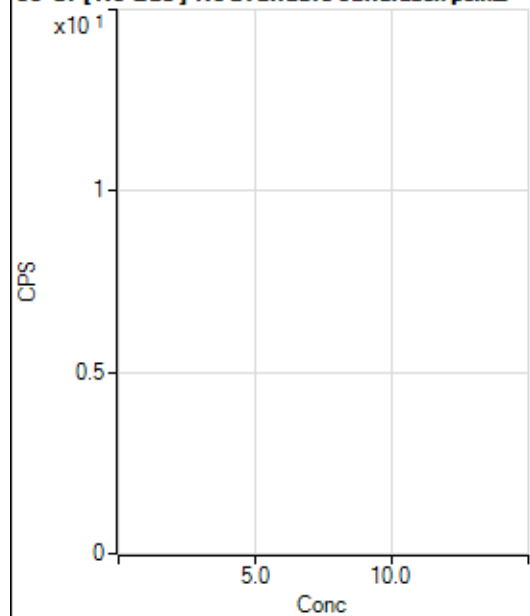
R = 0.9943

DL = 553

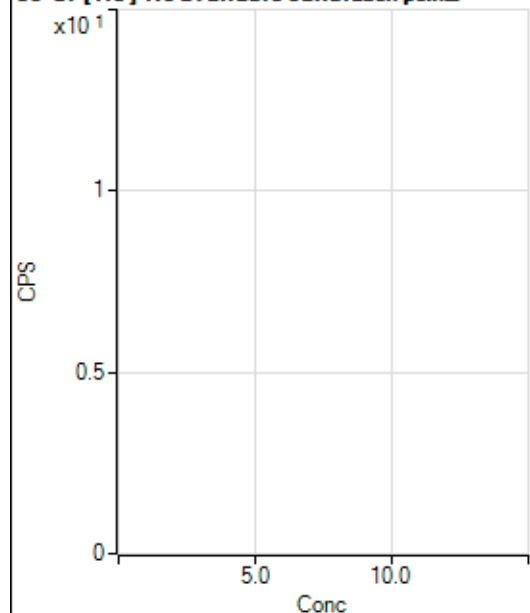
Weight: <None>

Min Conc: 0

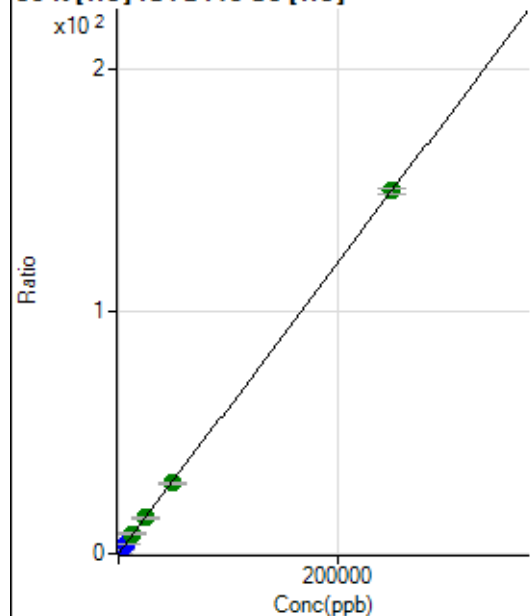
35 Cl [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			358075.57		P	1.1
2	☐			315301.37		P	1.3
3	☐			323632.74		P	0.8
4	☐			314300.70		P	2.3
5	☐			304934.86		P	1.5
6	☐			287592.82		P	1.8
7	☐			291189.28		P	1.3
8	☐			277621.38		P	1.7

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			2116.89		P	2.2
2	☐			2008.54		P	11.6
3	☐			2097.43		P	7.6
4	☐			1916.85		P	5.1
5	☐			1841.84		P	7.0
6	☐			1614.02		P	6.2
7	☐			1764.05		P	7.2
8	☐			1786.28		P	10.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	19694.55	0.0792	P	1.7
2	☐	500.000	447.859	87459.48	0.3473	P	2.1
3	☐	2500.000	2463.951	392703.03	1.5544	P	2.7
4	☐	6250.000	6169.397	929442.13	3.7728	P	1.3
5	☐	12500.000	13496.324	1872238.45	8.1594	A	10.2
6	☐	25000.000	24578.790	3487369.31	14.7944	A	1.3
7	☐	50000.000	48628.151	7287644.87	29.1926	A	2.2
8	☐	250000.00	250269.15	37214915.42	149.9141	A	1.6

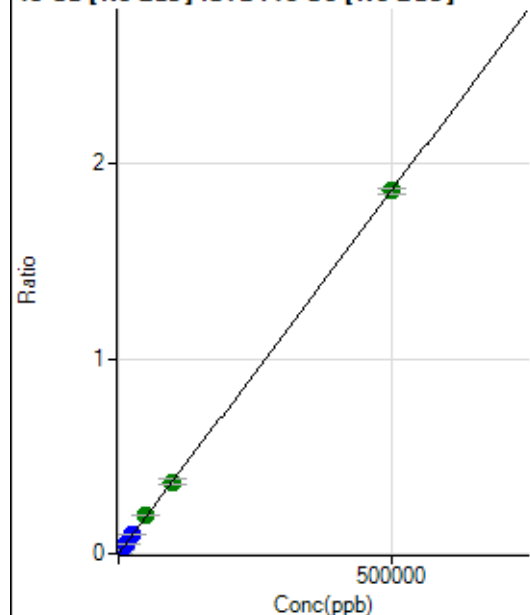
$$y = 5.9870E-004 * x + 0.0792$$

$$R = 1.0000$$

$$DL = 6.643$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	350.38	0.0000	P	10.0
2	☐	500.000	488.881	18406.96	0.0019	P	4.3
3	☐	5000.000	5030.568	190321.34	0.0188	P	6.6
4	☐	12500.000	12620.136	482519.14	0.0471	P	1.6
5	☐	25000.000	26065.846	953659.41	0.0972	P	1.0
6	☐	50000.000	52198.315	1880821.05	0.1946	A	1.1
7	☐	100000.00	99205.754	3771269.74	0.3698	A	9.8
8	☐	500000.00	499882.42	17713290.04	1.8633	A	1.3

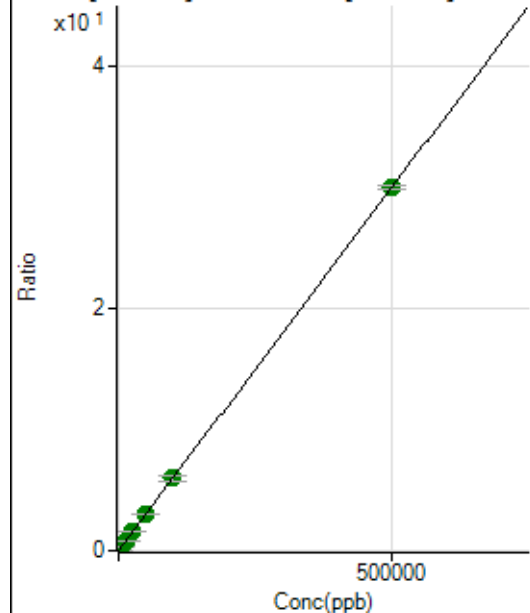
$$y = 3.7275\text{E-}006 * x + 3.4961\text{E-}005$$

$$R = 1.0000$$

$$DL = 2.819$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	15730.25	0.0016	P	2.3
2	☐	500.000	487.823	305028.53	0.0308	P	4.8
3	☐	5000.000	5068.978	3088932.72	0.3051	A	8.9
4	☐	12500.000	12479.110	7676260.35	0.7489	A	0.9
5	☐	25000.000	25660.482	15093921.38	1.5382	A	0.9
6	☐	50000.000	50617.946	29308741.71	3.0328	A	1.9
7	☐	100000.00	99415.192	60753805.79	5.9549	A	8.7
8	☐	500000.00	500021.98	284663712.7	29.9448	A	0.9

$$y = 5.9884\text{E-}005 * x + 0.0016$$

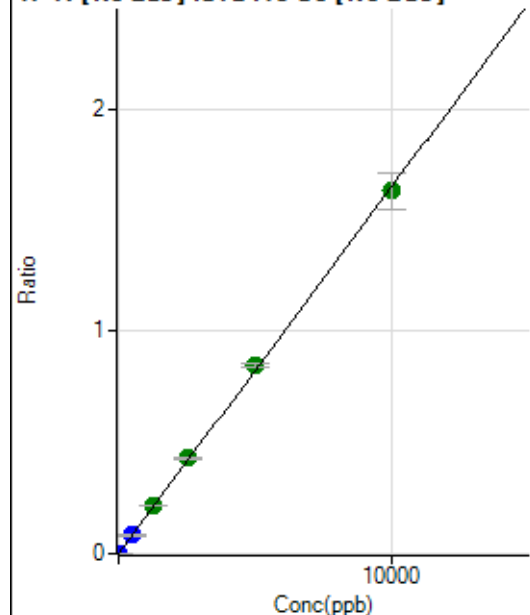
$$R = 1.0000$$

$$DL = 1.799$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	372.24	0.0000	P	15.0
2	☐	5.000	5.097	8683.40	0.0009	P	9.4
3	☐	500.000	517.957	864892.68	0.0854	P	7.7
4	☐	1250.000	1295.083	2188534.83	0.2135	A	0.8
5	☐	2500.000	2614.071	4227028.22	0.4309	A	2.3
6	☐	5000.000	5138.044	8183844.11	0.8468	A	1.1
7	☐	10000.000	9895.927	16628226.58	1.6310	A	9.8
8	☐			4178.56	0.0004	P	20.8

$$y = 1.6481E-004 * x + 3.7081E-005$$

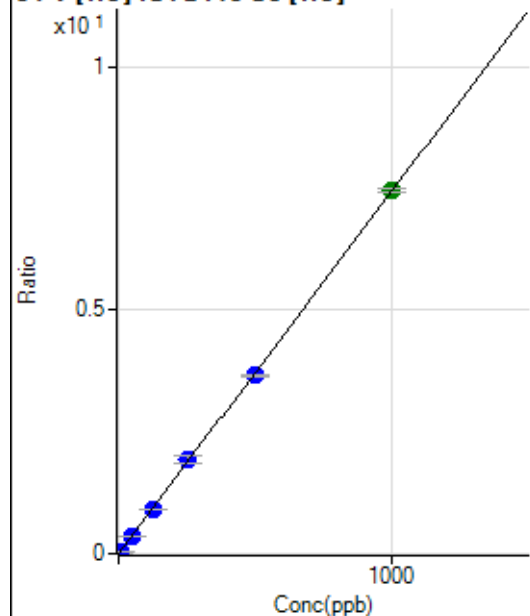
$$R = 0.9998$$

$$DL = 0.1011$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	11.11	0.0000	P	62.5
2	☐	5.000	4.632	8676.05	0.0345	P	2.1
3	☐	50.000	49.142	92245.09	0.3651	P	1.0
4	☐	125.000	121.588	222509.28	0.9032	P	0.8
5	☐	250.000	259.847	443031.44	1.9302	P	9.7
6	☐	500.000	491.990	861412.65	3.6545	P	1.2
7	☐	1000.000	1002.014	1857984.78	7.4429	A	1.0
8	☐			556.70	0.0022	P	47.8

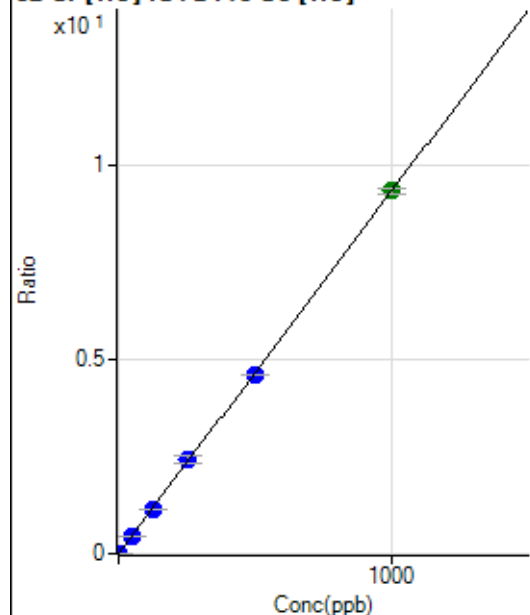
$$y = 0.0074 * x + 4.4711E-005$$

$$R = 0.9999$$

$$DL = 0.01129$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	876.70	0.0035	P	4.1
2	☐	2.000	1.828	5173.20	0.0205	P	0.4
3	☐	50.000	49.111	116406.70	0.4607	P	2.0
4	☐	125.000	123.083	283179.62	1.1494	P	0.6
5	☐	250.000	259.746	556061.95	2.4217	P	9.0
6	☐	500.000	493.208	1083151.67	4.5951	P	0.5
7	☐	1000.000	1001.244	2327822.12	9.3247	A	1.7
8	☐			26868.66	0.1082	P	1.0

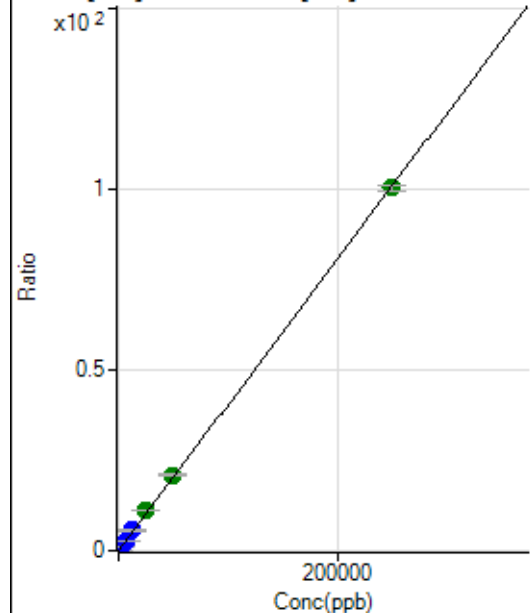
$$y = 0.0093 * x + 0.0035$$

$$R = 0.9999$$

$$DL = 0.04601$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	677.81	0.0027	P	2.4
2	☐	50.000	51.333	5893.93	0.0234	P	4.2
3	☐	2500.000	2644.416	270078.16	1.0689	P	1.1
4	☐	6250.000	6597.011	655895.31	2.6624	P	1.8
5	☐	12500.000	13902.311	1287841.95	5.6077	P	8.6
6	☐	25000.000	27266.332	2592097.48	10.9956	A	1.2
7	☐	50000.000	52029.198	5237313.60	20.9792	A	2.0
8	☐	250000.00	249287.29	24946959.82	100.5071	A	1.4

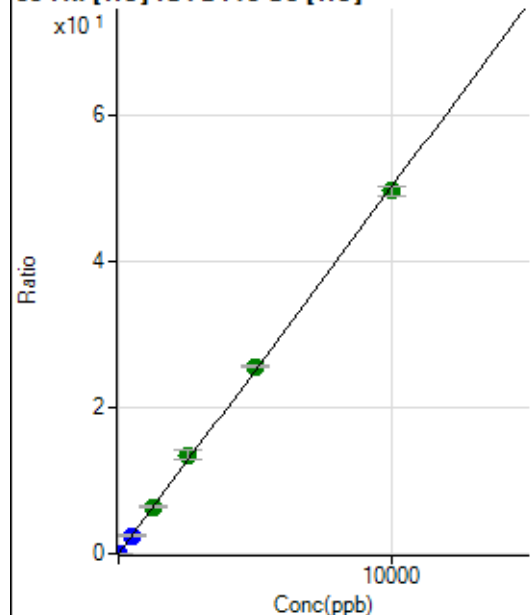
$$y = 4.0317E-004 * x + 0.0027$$

$$R = 0.9999$$

$$DL = 0.4952$$

Weight: <None>

Min Conc: 0

⁵⁵Mn [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	36.67	0.0001	P	24.1
2	☐	1.000	0.941	1226.73	0.0049	P	5.0
3	☐	500.000	496.010	629910.30	2.4931	P	1.5
4	☐	1250.000	1274.072	1577275.36	6.4035	A	3.7
5	☐	2500.000	2696.951	3109917.25	13.5548	A	10.5
6	☐	5000.000	5106.802	6050277.07	25.6666	A	0.9
7	☐	10000.000	9894.552	12414923.01	49.7295	A	2.6
8	☐			10363.28	0.0417	P	18.9

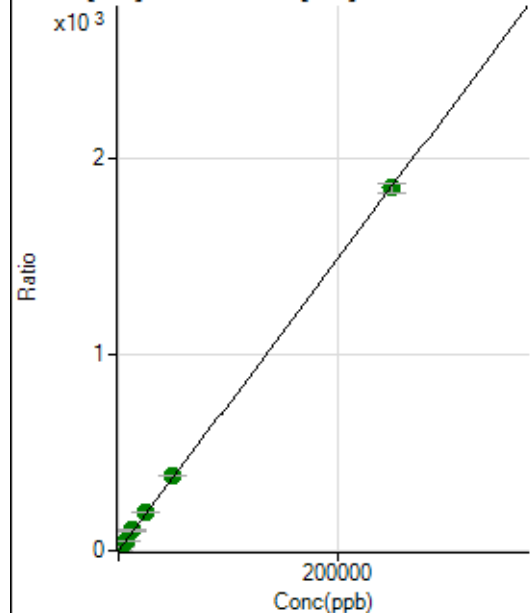
$$y = 0.0050 * x + 1.4745E-004$$

$$R = 0.9997$$

$$DL = 0.02119$$

Weight: <None>

Min Conc: 0

⁵⁶Fe [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	4786.08	0.0192	P	3.0
2	☐	50.000	48.667	95852.59	0.3808	P	2.5
3	☐	2500.000	2634.264	4949189.87	19.5880	A	3.1
4	☐	6250.000	6603.500	12089222.84	49.0736	A	2.3
5	☐	12500.000	14017.145	23896461.41	104.1462	A	10.4
6	☐	25000.000	26772.131	46882902.90	198.8972	A	2.0
7	☐	50000.000	51734.294	95943548.44	384.3298	A	1.4
8	☐	250000.00	249389.89	459875143.6	1,852.623	A	2.3

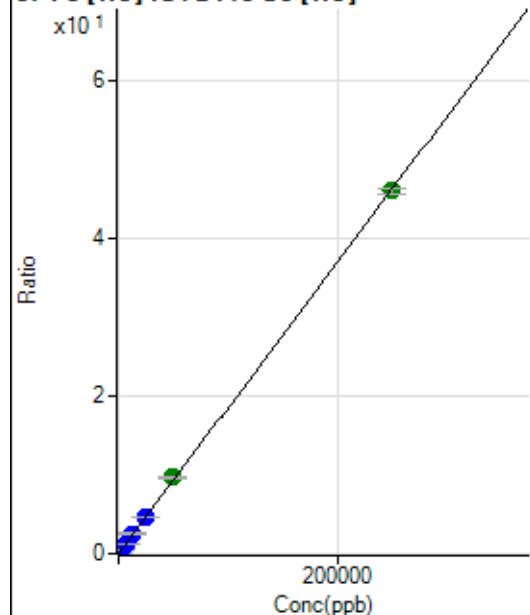
$$y = 0.0074 * x + 0.0192$$

$$R = 0.9999$$

$$DL = 0.2303$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	175.93	0.0007	P	21.4
2	☐	50.000	48.600	2431.73	0.0097	P	4.6
3	☐	2500.000	2563.115	119531.34	0.4731	P	1.4
4	☐	6250.000	6431.108	292177.30	1.1859	P	0.4
5	☐	12500.000	13698.270	579479.97	2.5252	P	10.2
6	☐	25000.000	25563.830	1110730.22	4.7120	P	1.2
7	☐	50000.000	52510.728	2415943.75	9.6782	A	1.5
8	☐	250000.00	249376.39	11407225.83	45.9597	A	1.9

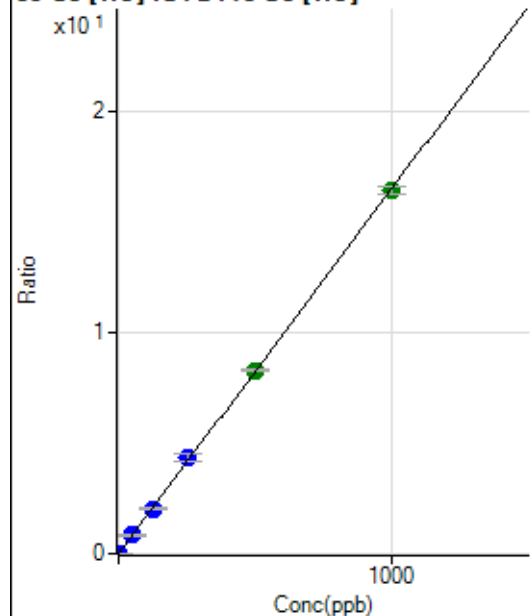
$$y = 1.8430E-004 * x + 7.0741E-004$$

$$R = 0.9999$$

$$DL = 2.468$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	83.33	0.0003	P	24.3
2	☐	1.000	0.947	4010.61	0.0159	P	3.7
3	☐	50.000	50.362	209788.47	0.8303	P	1.2
4	☐	125.000	123.259	500489.61	2.0316	P	1.2
5	☐	250.000	264.057	999702.16	4.3519	P	8.2
6	☐	500.000	503.540	1956060.89	8.2984	A	1.4
7	☐	1000.000	994.915	4093162.44	16.3960	A	2.2
8	☐			6636.08	0.0267	P	6.4

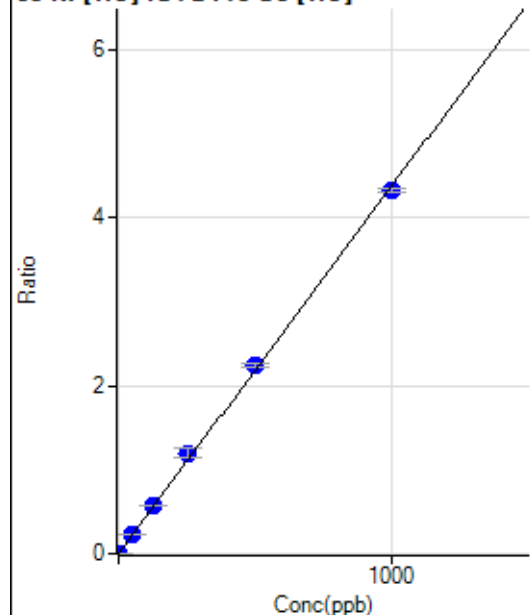
$$y = 0.0165 * x + 3.3508E-004$$

$$R = 0.9999$$

$$DL = 0.01482$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	37.78	0.0002	P	20.4
2	☐	1.000	0.986	1123.39	0.0045	P	8.9
3	☐	50.000	51.607	57123.43	0.2261	P	0.4
4	☐	125.000	130.534	140817.24	0.5716	P	0.4
5	☐	250.000	272.895	274211.24	1.1948	P	9.8
6	☐	500.000	511.720	528021.82	2.2402	P	1.5
7	☐	1000.000	987.644	1079302.45	4.3236	P	1.0
8	☐			8524.85	0.0343	P	0.7

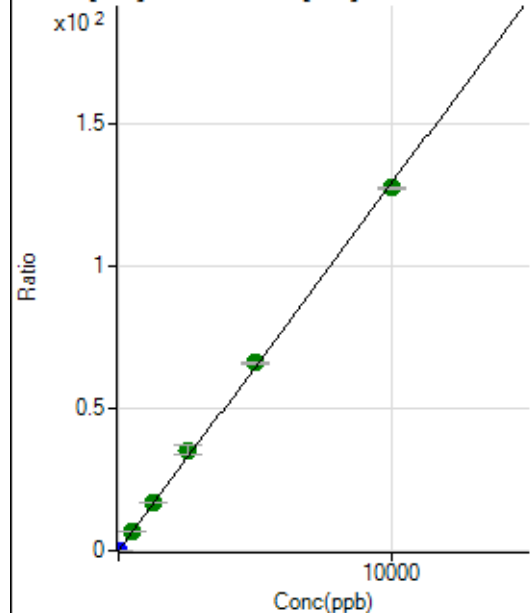
$$y = 0.0044 * x + 1.5191E-004$$

$$R = 0.9996$$

$$DL = 0.02121$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	924.49	0.0037	P	11.1
2	☐	2.000	1.887	7048.49	0.0280	P	4.9
3	☐	500.000	528.650	1721132.51	6.8122	A	2.3
4	☐	1250.000	1300.755	4127810.32	16.7562	A	1.9
5	☐	2500.000	2741.185	8108200.50	35.3076	A	8.8
6	☐	5000.000	5108.625	15508589.77	65.7980	A	1.6
7	☐	10000.000	9877.614	31757523.69	127.2181	A	0.6
8	☐			20182.42	0.0812	P	17.5

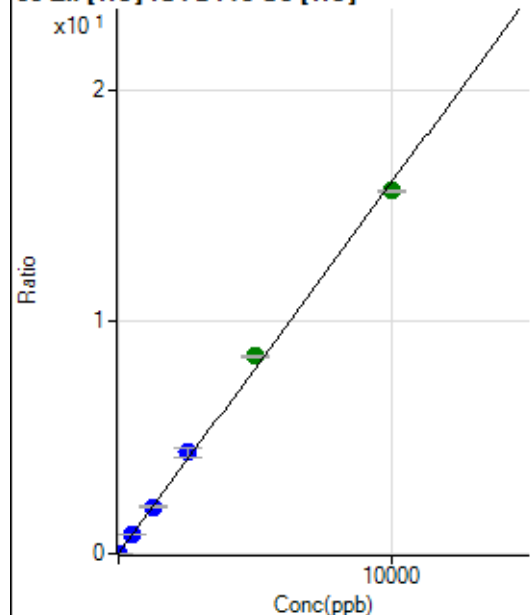
$$y = 0.0129 * x + 0.0037$$

$$R = 0.9996$$

$$DL = 0.0963$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	920.04	0.0037	P	8.0
2	☐	2.000	2.277	1846.81	0.0073	P	4.1
3	☐	500.000	529.940	214863.98	0.8504	P	1.5
4	☐	1250.000	1267.231	499671.07	2.0283	P	1.6
5	☐	2500.000	2731.669	1002472.60	4.3680	P	9.9
6	☐	5000.000	5321.427	2004902.49	8.5056	A	0.7
7	☐	10000.000	9777.718	3900394.42	15.6253	A	0.7
8	☐			6517.14	0.0262	P	6.9

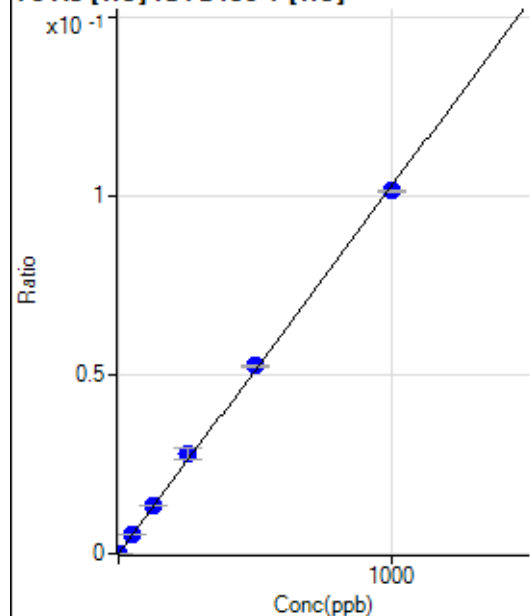
$$y = 0.0016 * x + 0.0037$$

$$R = 0.9989$$

$$DL = 0.5543$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	8.00	0.0000	P	37.2
2	☐	1.000	1.105	249.36	0.0001	P	6.2
3	☐	50.000	52.681	11430.11	0.0054	P	0.6
4	☐	125.000	130.270	27295.36	0.0134	P	1.5
5	☐	250.000	272.722	54429.06	0.0280	P	11.7
6	☐	500.000	511.592	107474.48	0.0525	P	1.4
7	☐	1000.000	987.730	216204.04	0.1014	P	0.7
8	☐			103.68	0.0000	P	45.1

$$y = 1.0270E-004 * x + 3.7744E-006$$

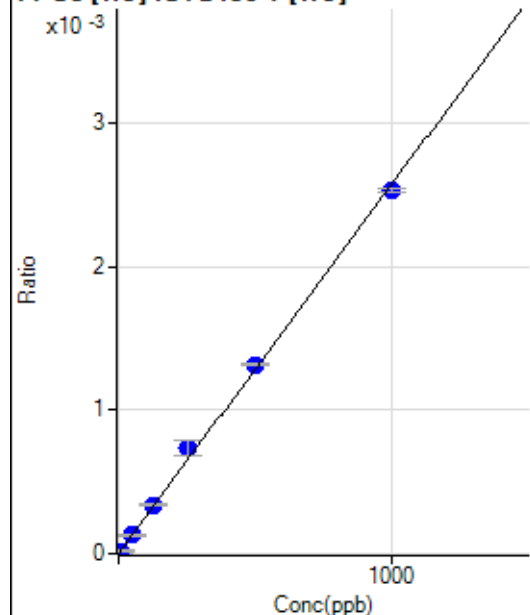
$$R = 0.9996$$

$$DL = 0.04099$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1.11	0.0000	P	173.2
2	☐	5.000	7.516	42.22	0.0000	P	54.2
3	☐	50.000	51.069	277.78	0.0001	P	7.2
4	☐	125.000	132.162	693.36	0.0003	P	5.8
5	☐	250.000	287.161	1431.20	0.0007	P	13.8
6	☐	500.000	513.038	2694.73	0.0013	P	1.6
7	☐	1000.000	983.230	5379.98	0.0025	P	1.2
8	☐			3.33	0.0000	P	99.5

$$y = 2.5669\text{E-}006 * x + 5.2440\text{E-}007$$

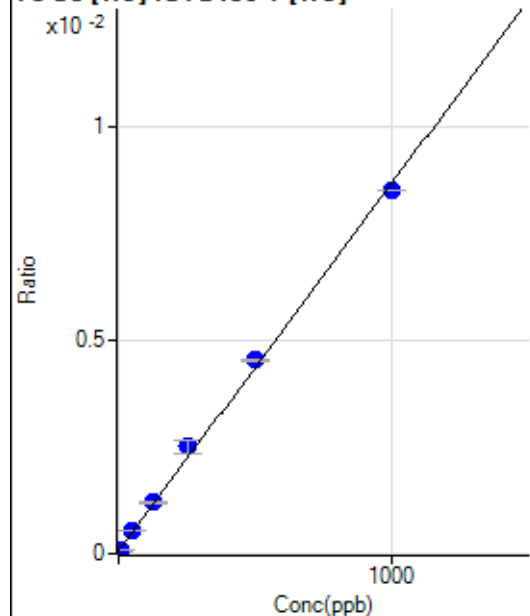
$$R = 0.9991$$

$$DL = 1.062$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	130.01	0.0001	P	5.3
2	☐	5.000	4.202	207.35	0.0001	P	7.5
3	☐	50.000	54.161	1113.83	0.0005	P	0.2
4	☐	125.000	131.925	2440.80	0.0012	P	4.3
5	☐	250.000	283.599	4861.01	0.0025	P	12.1
6	☐	500.000	520.145	9284.00	0.0045	P	1.5
7	☐	1000.000	980.458	18119.12	0.0085	P	0.1
8	☐			112.68	0.0001	P	11.4

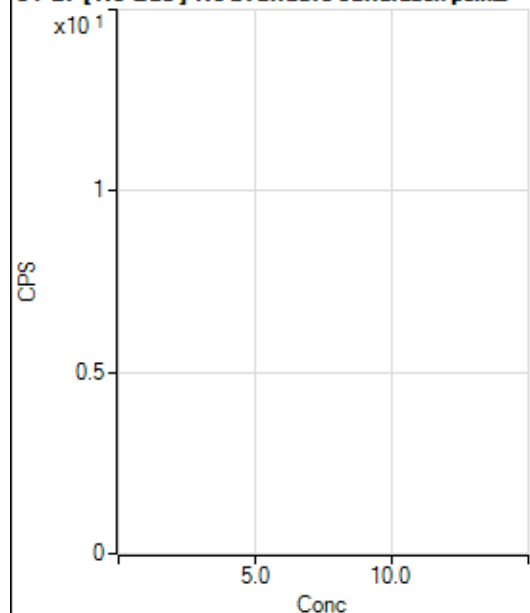
$$y = 8.6075\text{E-}006 * x + 6.1379\text{E-}005$$

$$R = 0.9990$$

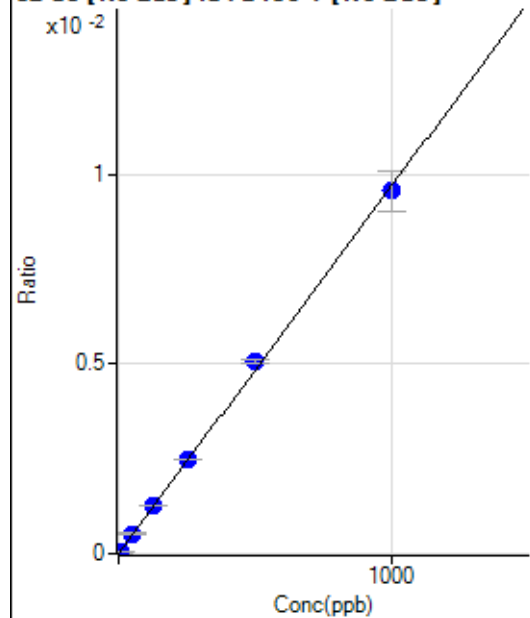
$$DL = 1.132$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			60077.68		P	3.7
2	☐			60807.81		P	8.0
3	☐			60327.86		P	0.6
4	☐			55189.18		P	4.9
5	☐			54517.20		P	1.1
6	☐			57331.97		P	2.2
7	☐			55463.14		P	2.5
8	☐			57043.45		P	1.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	-21.69	0.0000	P	-1389.
2	☐	5.000	4.900	1139.46	0.0000	P	21.5
3	☐	50.000	52.709	12251.49	0.0005	P	8.7
4	☐	125.000	129.267	30867.72	0.0013	P	0.9
5	☐	250.000	255.215	60146.69	0.0025	P	0.1
6	☐	500.000	521.938	119664.68	0.0051	P	1.5
7	☐	1000.000	987.059	232865.12	0.0096	P	11.0
8	☐			55.45	0.0000	P	557.1

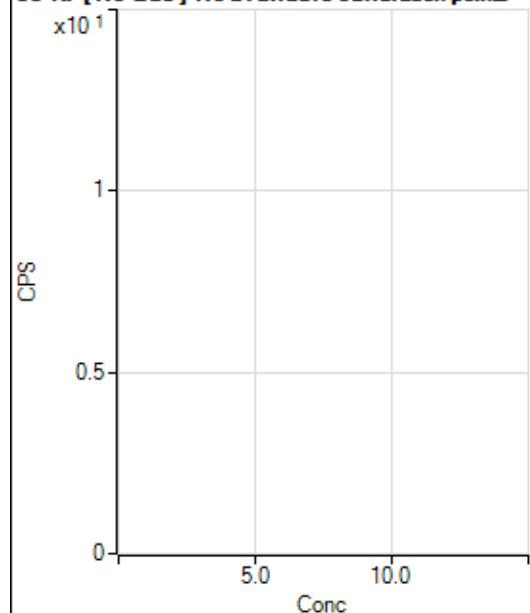
$$y = 9.6976E-006 * x - 8.6443E-007$$

$$R = 0.9996$$

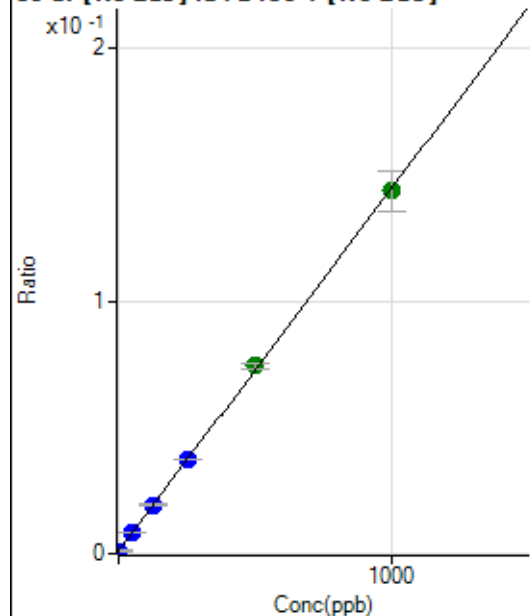
$$DL = 3.717$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			15243.44		P	2.8
2	☐			15251.78		P	1.3
3	☐			15102.89		P	1.2
4	☐			14851.41		P	1.6
5	☐			14782.17		P	1.1
6	☐			13976.88		P	2.1
7	☐			14361.80		P	0.0
8	☐			14572.82		P	0.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	24513.62	0.0010	P	0.3
2	☐	1.000	0.935	27602.88	0.0011	P	2.8
3	☐	50.000	50.971	199984.88	0.0083	P	4.9
4	☐	125.000	127.249	474919.40	0.0193	P	2.8
5	☐	250.000	253.086	908015.16	0.0374	P	0.3
6	☐	500.000	511.193	1759685.33	0.0744	A	2.6
7	☐	1000.000	993.302	3494961.10	0.1437	A	11.5
8	☐			47400.29	0.0020	P	3.8

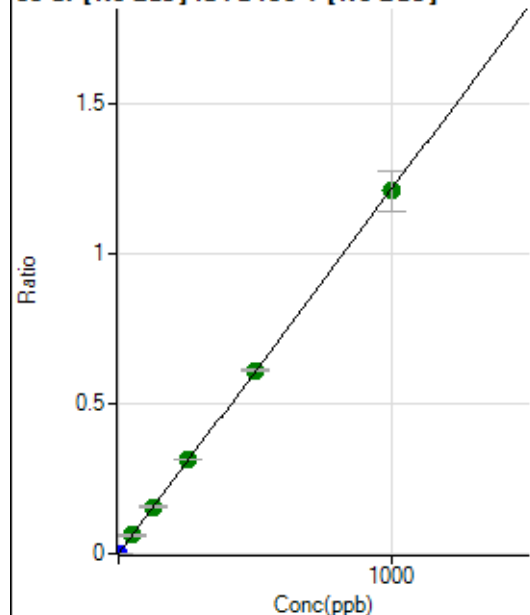
$$y = 1.4364\text{E-}004 * x + 9.9638\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.06176$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	225.01	0.0000	P	23.1
2	☐	1.000	1.003	29991.22	0.0012	P	1.4
3	☐	50.000	51.563	1506193.75	0.0627	A	6.4
4	☐	125.000	129.185	3869539.54	0.1570	A	0.8
5	☐	250.000	258.112	7627278.73	0.3137	A	1.2
6	☐	500.000	503.480	14472020.11	0.6120	A	0.9
7	☐	1000.000	995.631	29436329.13	1.2102	A	11.5
8	☐			204111.02	0.0088	P	2.5

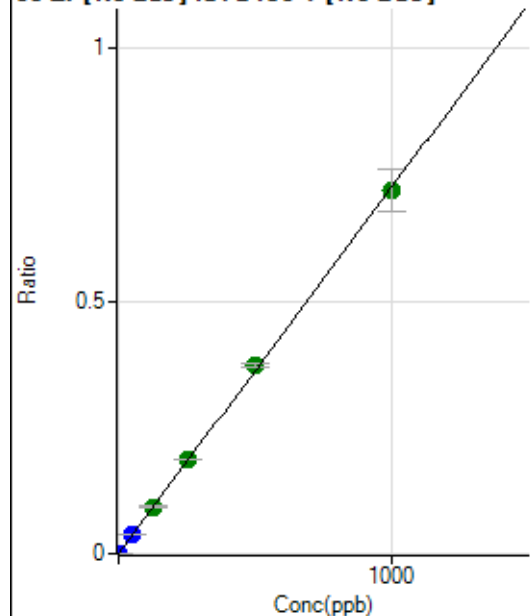
$$y = 0.0012 * x + 9.1239E-006$$

$$R = 1.0000$$

$$DL = 0.005193$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1238.98	0.0001	P	8.5
2	☐	1.000	0.960	18240.18	0.0007	P	3.7
3	☐	50.000	51.661	901132.25	0.0375	P	6.6
4	☐	125.000	128.400	2295111.05	0.0931	A	0.8
5	☐	250.000	257.979	4548194.68	0.1871	A	0.6
6	☐	500.000	513.534	8804794.81	0.3724	A	1.7
7	☐	1000.000	990.730	17471840.49	0.7183	A	11.5
8	☐			11694.13	0.0005	P	9.4

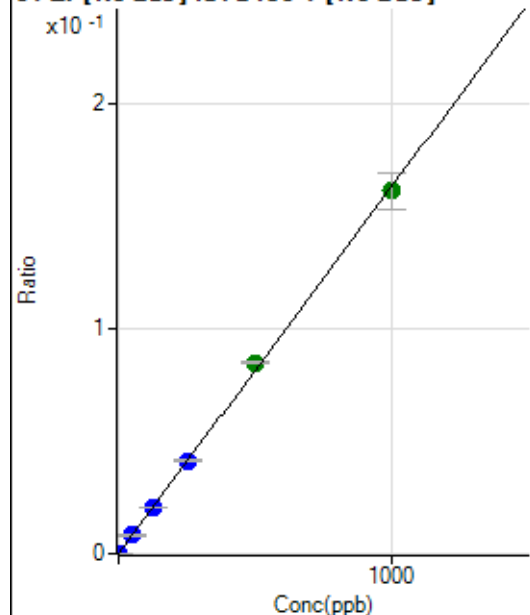
$$y = 7.2502E-004 * x + 5.0354E-005$$

$$R = 0.9998$$

$$DL = 0.0178$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	225.01	0.0000	P	4.6
2	☐	1.000	0.951	4011.82	0.0002	P	7.2
3	☐	50.000	50.860	199747.10	0.0083	P	5.8
4	☐	125.000	125.454	504829.18	0.0205	P	1.3
5	☐	250.000	253.256	1005209.66	0.0414	P	1.0
6	☐	500.000	520.252	2008447.75	0.0849	A	0.7
7	☐	1000.000	988.960	3929696.66	0.1614	A	10.4
8	☐			2555.86	0.0001	P	18.2

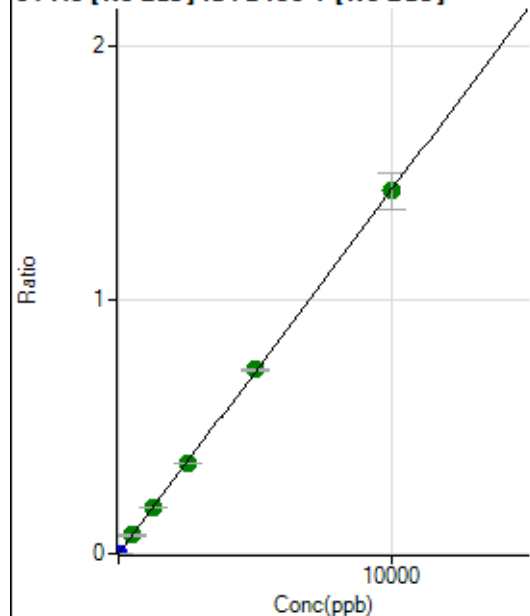
$$y = 1.6324\text{E-}004 * x + 9.1374\text{E-}006$$

$$R = 0.9997$$

$$DL = 0.00766$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	388.90	0.0000	P	1.9
2	☐	5.000	5.945	21166.69	0.0009	P	4.5
3	☐	500.000	509.894	1754595.42	0.0730	A	7.0
4	☐	1250.000	1258.413	4440976.23	0.1802	A	1.6
5	☐	2500.000	2482.608	8643061.05	0.3555	A	1.5
6	☐	5000.000	5051.557	17105886.32	0.7234	A	1.6
7	☐	10000.000	9977.023	34783342.44	1.4288	A	10.2
8	☐			17606.37	0.0008	P	10.1

$$y = 1.4321\text{E-}004 * x + 1.5812\text{E-}005$$

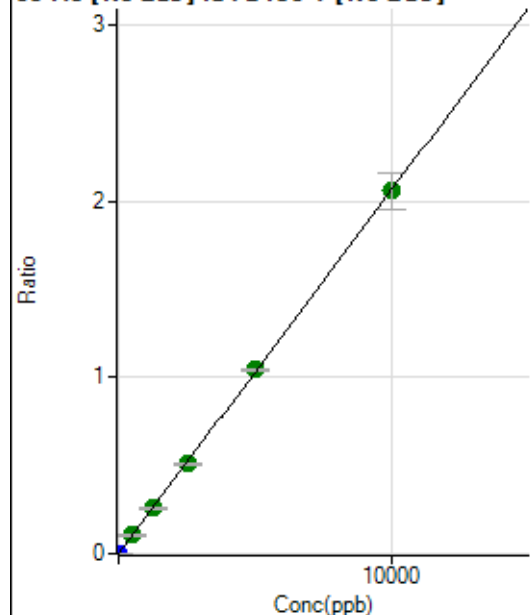
$$R = 1.0000$$

$$DL = 0.006199$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	58.34	0.0000	P	13.2
2	☐	5.000	5.070	25624.28	0.0010	P	3.9
3	☐	500.000	505.015	2504721.00	0.1043	A	6.9
4	☐	1250.000	1258.900	6404099.45	0.2599	A	2.8
5	☐	2500.000	2469.417	12392507.83	0.5098	A	1.8
6	☐	5000.000	5057.897	24689516.87	1.0442	A	1.7
7	☐	10000.000	9977.334	50146420.22	2.0597	A	10.2
8	☐			21041.97	0.0009	P	14.2

$$y = 2.0644\text{E-}004 * x + 2.3690\text{E-}006$$

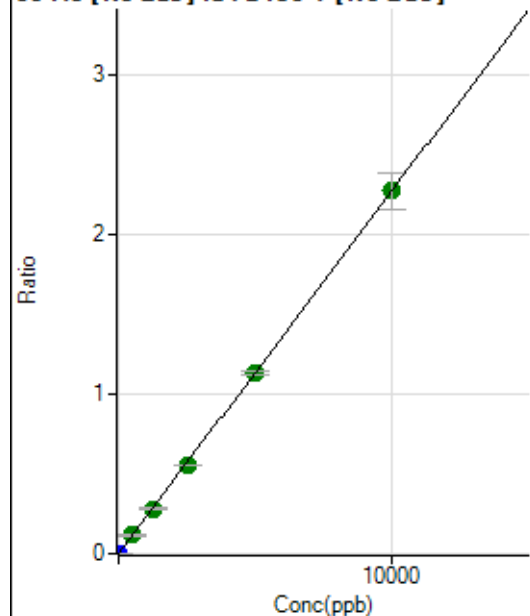
$$R = 1.0000$$

$$DL = 0.004561$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	469.46	0.0000	P	12.2
2	☐	5.000	4.970	27964.94	0.0011	P	2.1
3	☐	500.000	506.036	2756520.96	0.1147	A	5.9
4	☐	1250.000	1243.230	6942330.54	0.2818	A	3.0
5	☐	2500.000	2453.801	13519901.17	0.5561	A	0.3
6	☐	5000.000	4991.692	26749121.43	1.1313	A	1.9
7	☐	10000.000	10016.248	55266193.60	2.2700	A	10.1
8	☐			48261.33	0.0021	P	7.2

$$y = 2.2663\text{E-}004 * x + 1.9040\text{E-}005$$

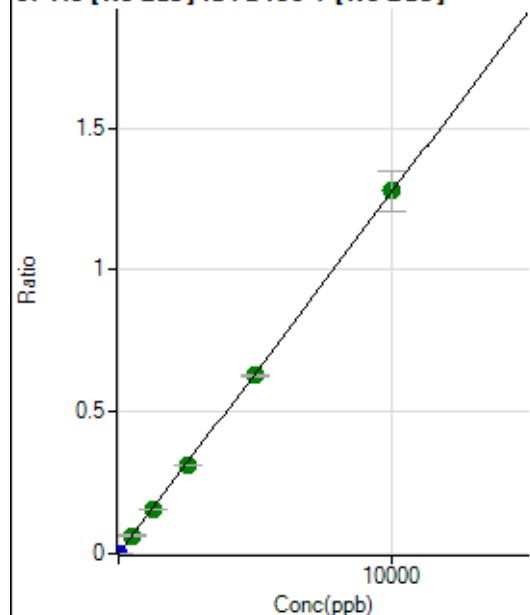
$$R = 1.0000$$

$$DL = 0.03082$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	33.33	0.0000	P	43.3
2	☐	5.000	4.928	15353.29	0.0006	P	2.4
3	☐	500.000	496.441	1518964.54	0.0632	A	5.3
4	☐	1250.000	1238.429	3883975.61	0.1576	A	2.0
5	☐	2500.000	2461.029	7615453.81	0.3133	A	0.6
6	☐	5000.000	4929.422	14837678.28	0.6275	A	0.6
7	☐	10000.000	10046.656	31105059.38	1.2788	A	11.4
8	☐			12942.65	0.0006	P	14.1

$$y = 1.2729\text{E-}004 * x + 1.3554\text{E-}006$$

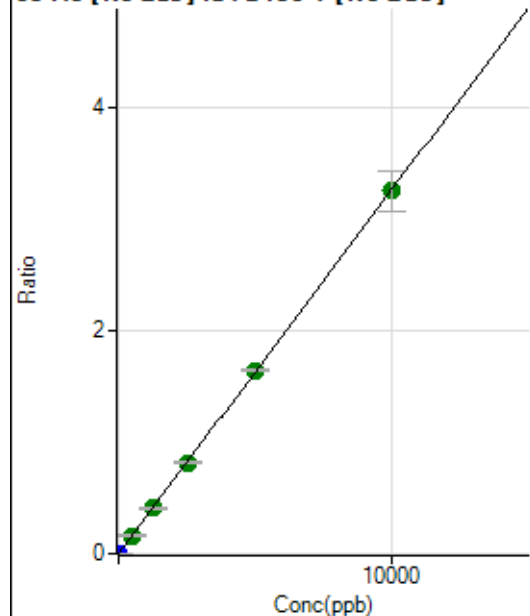
$$R = 1.0000$$

$$DL = 0.01383$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	122.23	0.0000	P	11.8
2	☐	5.000	4.920	39354.04	0.0016	P	2.6
3	☐	500.000	501.994	3939757.42	0.1640	A	6.6
4	☐	1250.000	1247.385	10039119.24	0.4074	A	1.4
5	☐	2500.000	2510.748	19936178.05	0.8201	A	1.9
6	☐	5000.000	5039.454	38924123.78	1.6461	A	0.7
7	☐	10000.000	9977.813	79289049.69	3.2591	A	11.1
8	☐			32904.99	0.0014	P	15.3

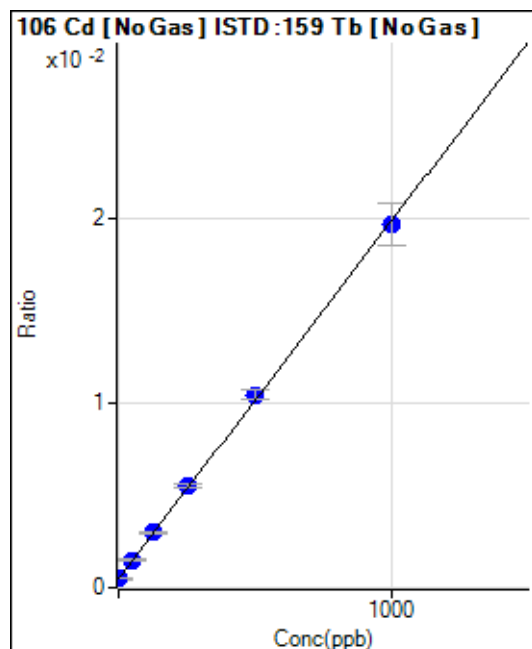
$$y = 3.2663\text{E-}004 * x + 4.9739\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.005403$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	6601.76	0.0005	P	8.2
2	☐	1.000	1.045	6804.66	0.0005	P	1.8
3	☐	50.000	52.525	20655.03	0.0015	P	8.4
4	☐	125.000	129.349	43344.32	0.0030	P	2.3
5	☐	250.000	260.856	79885.66	0.0055	P	3.0
6	☐	500.000	515.262	145742.27	0.0105	P	4.2
7	☐	1000.000	988.985	290098.47	0.0197	P	11.5
8	☐			6312.74	0.0005	P	3.5

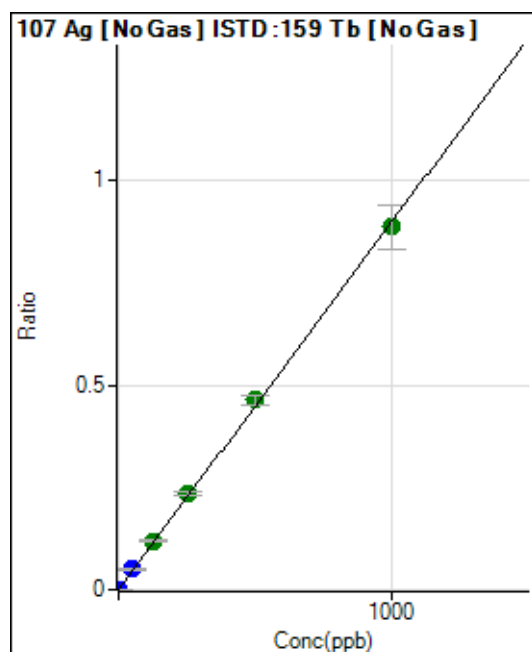
$$y = 1.9410\text{E-}005 * x + 4.7110\text{E-}004$$

$$R = 0.9998$$

$$DL = 5.961$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	144.45	0.0000	P	19.0
2	☐	1.000	1.081	13590.40	0.0010	P	2.0
3	☐	50.000	55.447	689647.90	0.0498	P	9.8
4	☐	125.000	132.936	1736078.62	0.1194	A	1.5
5	☐	250.000	263.401	3415021.99	0.2366	A	3.4
6	☐	500.000	515.881	6447354.14	0.4634	A	5.4
7	☐	1000.000	987.445	13072702.72	0.8870	A	12.5
8	☐			5515.20	0.0004	P	23.0

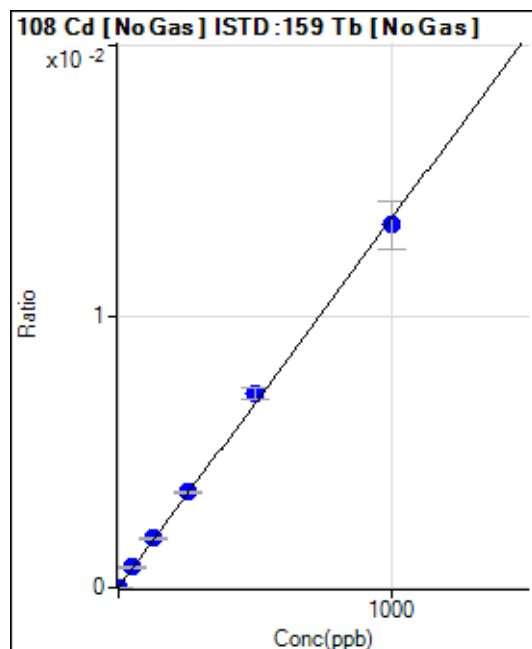
$$y = 8.9824\text{E-}004 * x + 1.0288\text{E-}005$$

$$R = 0.9997$$

$$DL = 0.006544$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	77.78	0.0000	P	72.4
2	☐	1.000	0.777	223.62	0.0000	P	22.1
3	☐	50.000	55.198	10499.96	0.0008	P	7.8
4	☐	125.000	133.157	26450.60	0.0018	P	1.8
5	☐	250.000	258.539	50921.88	0.0035	P	2.7
6	☐	500.000	526.949	99949.88	0.0072	P	5.5
7	☐	1000.000	983.112	197382.93	0.0134	P	13.1
8	☐			145.84	0.0000	P	13.0

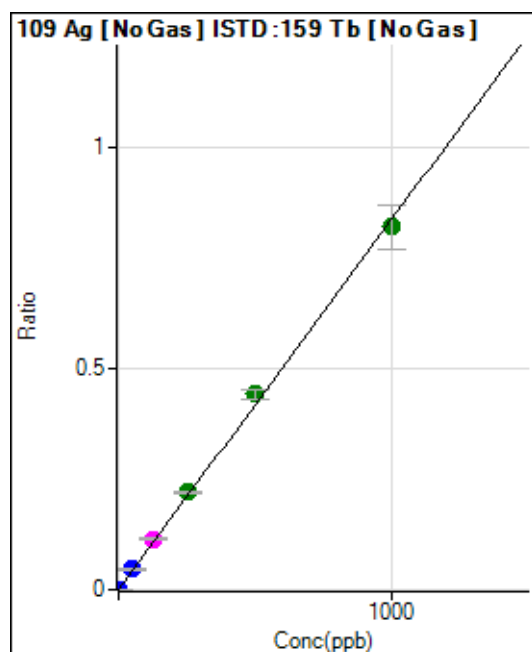
$$y = 1.3623\text{E-}005 * x + 5.5434\text{E-}006$$

$$R = 0.9994$$

$$DL = 0.8835$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	77.78	0.0000	P	22.4
2	☐	1.000	1.072	12475.48	0.0009	P	1.5
3	☐	50.000	56.574	654856.30	0.0473	P	9.0
4	☐	125.000	136.394	1656515.53	0.1140	M	4.1
5	☐	250.000	263.889	3183809.38	0.2205	A	1.4
6	☐	500.000	528.879	6148920.06	0.4419	A	5.2
7	☐	1000.000	980.335	12078974.14	0.8191	A	11.9
8	☐			5479.04	0.0004	P	15.9

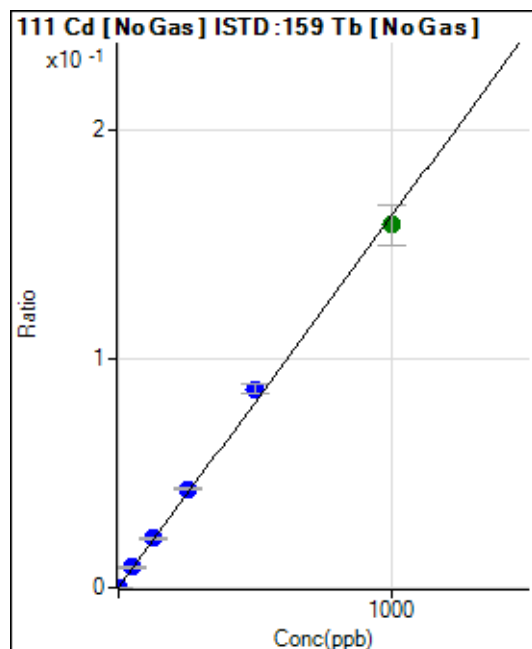
$$y = 8.3556\text{E-}004 * x + 5.5509\text{E-}006$$

$$R = 0.9992$$

$$DL = 0.004461$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	620.73	0.0000	P	17.0
2	☐	1.000	1.130	3148.95	0.0002	P	1.8
3	☐	50.000	55.524	125098.11	0.0090	P	10.1
4	☐	125.000	132.960	313688.02	0.0216	P	2.6
5	☐	250.000	265.718	621977.92	0.0431	P	2.0
6	☐	500.000	535.665	1207830.83	0.0868	P	5.1
7	☐	1000.000	976.966	2335048.27	0.1583	A	11.4
8	☐			1248.67	0.0001	P	13.7

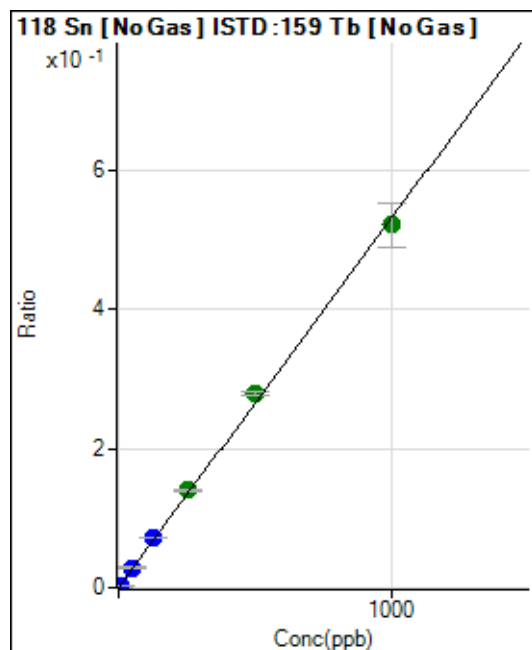
$$y = 1.6197\text{E-}004 * x + 4.4295\text{E-}005$$

$$R = 0.9989$$

$$DL = 0.1393$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	1375.12	0.0001	P	6.9
2	☐	5.000	5.317	40441.37	0.0029	P	0.9
3	☐	50.000	54.207	399389.08	0.0289	P	11.0
4	☐	125.000	134.292	1037668.16	0.0714	P	1.5
5	☐	250.000	263.362	2020143.54	0.1399	A	0.6
6	☐	500.000	526.371	3890920.96	0.2795	A	2.5
7	☐	1000.000	982.101	7685740.62	0.5214	A	12.3
8	☐			7049.63	0.0005	P	18.6

$$y = 5.3078\text{E-}004 * x + 9.8128\text{E-}005$$

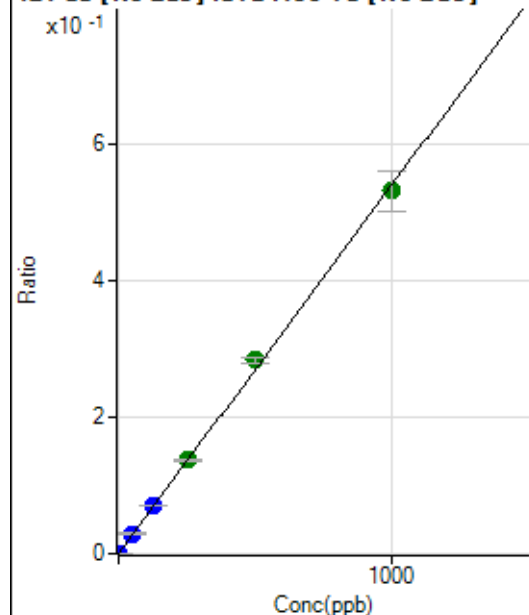
$$R = 0.9994$$

$$DL = 0.03843$$

Weight: <None>

Min Conc: 0

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



$$y = 5.4056E-004 * x + 5.3361E-006$$

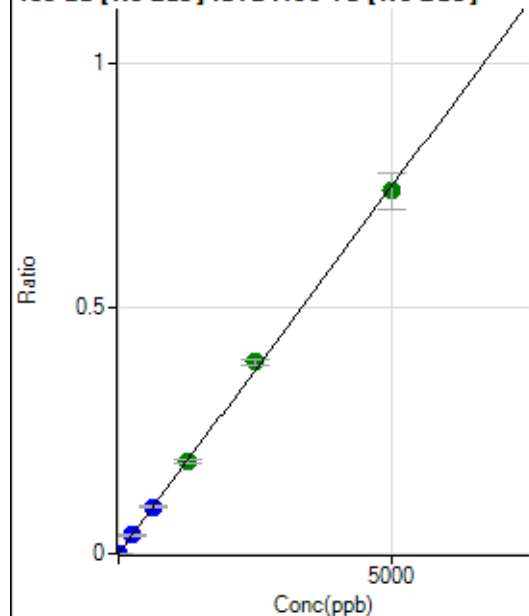
$$R = 0.9995$$

$$DL = 0.008368$$

Weight: <None>

Min Conc: 0

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



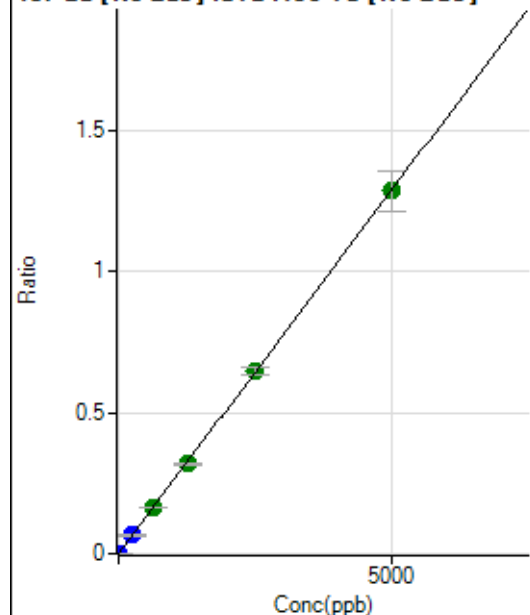
$$y = 1.4953E-004 * x + 1.5908E-006$$

$$R = 0.9996$$

$$DL = 0.01856$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	63.89	0.0000	P	28.7
2	☐	10.000	9.892	35363.94	0.0026	P	2.6
3	☐	250.000	260.518	929277.95	0.0671	P	10.3
4	☐	625.000	628.764	2356088.96	0.1620	A	0.3
5	☐	1250.000	1236.019	4598413.91	0.3185	A	2.7
6	☐	2500.000	2522.096	9045724.51	0.6500	A	4.4
7	☐	5000.000	4991.451	18975356.15	1.2864	A	11.5
8	☐			9848.52	0.0007	P	13.3

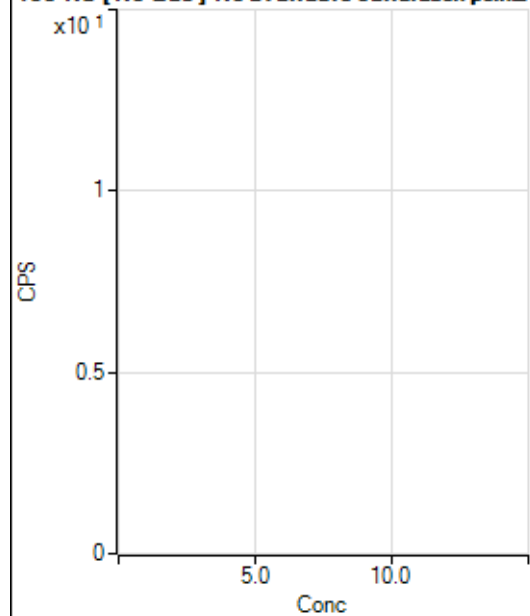
$$y = 2.5771E-004 * x + 4.5702E-006$$

$$R = 1.0000$$

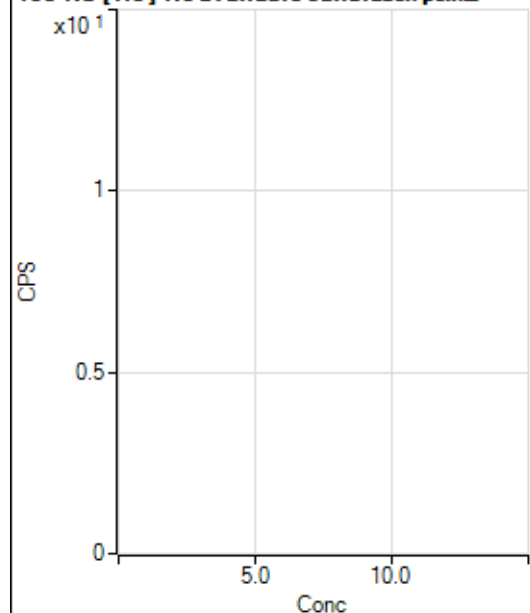
$$DL = 0.01526$$

Weight: <None>

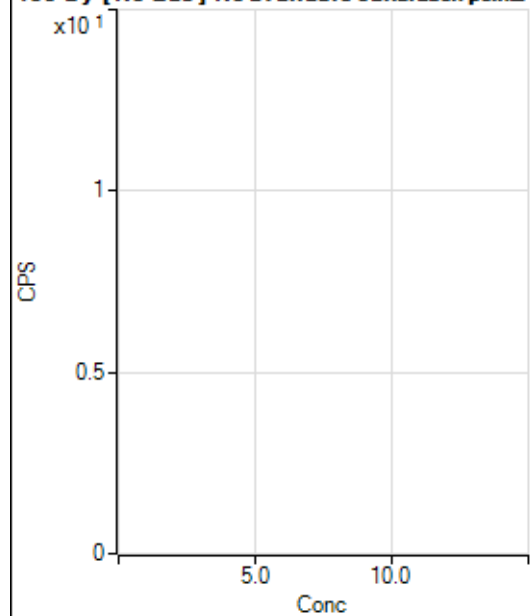
Min Conc: 0

150 Nd [No Gas] No available calibration points

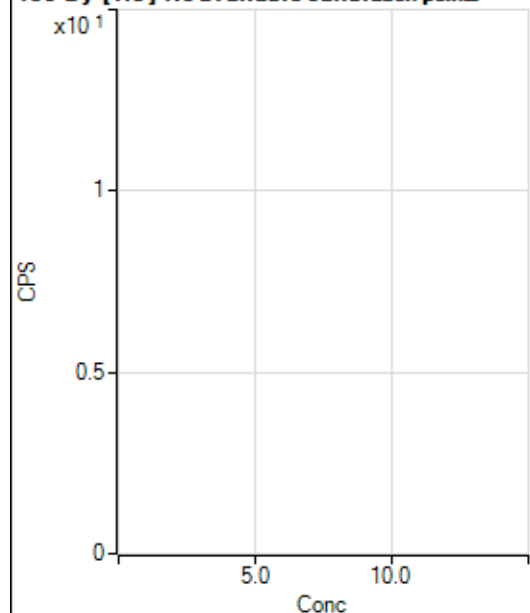
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			6.67		P	173.2
2	☐			6.67		P	173.2
3	☐			46.67		P	28.6
4	☐			82.23		P	9.4
5	☐			160.00		P	26.0
6	☐			295.57		P	14.3
7	☐			577.81		P	7.7
8	☐			60.00		P	11.1

150 Nd [He] No available calibration points

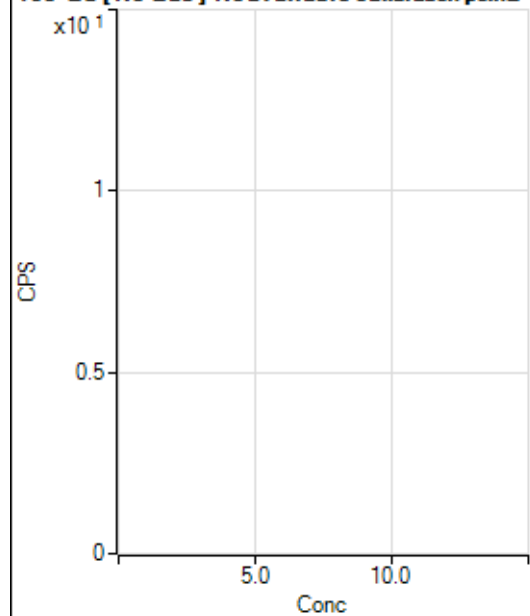
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			0.00		P	
2	☐			0.00		P	
3	☐			1.11		P	173.2
4	☐			12.22		P	41.7
5	☐			4.44		P	114.6
6	☐			21.11		P	77.9
7	☐			32.22		P	48.9
8	☐			18.89		P	27.0

156 Dy [No Gas] No available calibration points

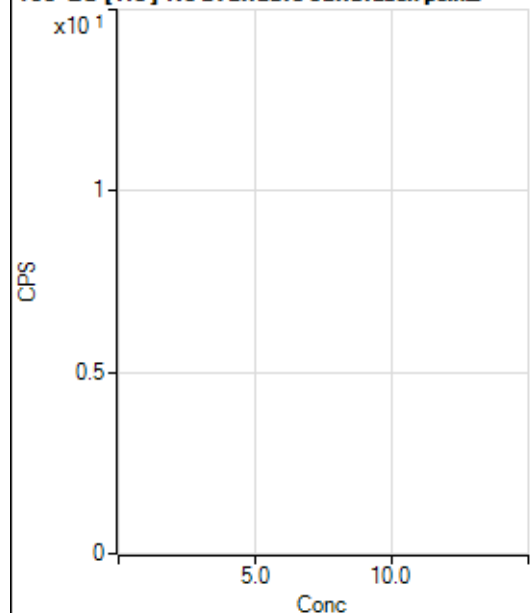
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			2.78		P	173.2
2	☐			8.33		P	100.0
3	☐			66.67		P	25.0
4	☐			69.45		P	48.5
5	☐			147.23		P	36.4
6	☐			219.45		P	20.9
7	☐			486.13		P	13.9
8	☐			1672.39		P	9.0

156 Dy [He] No available calibration points

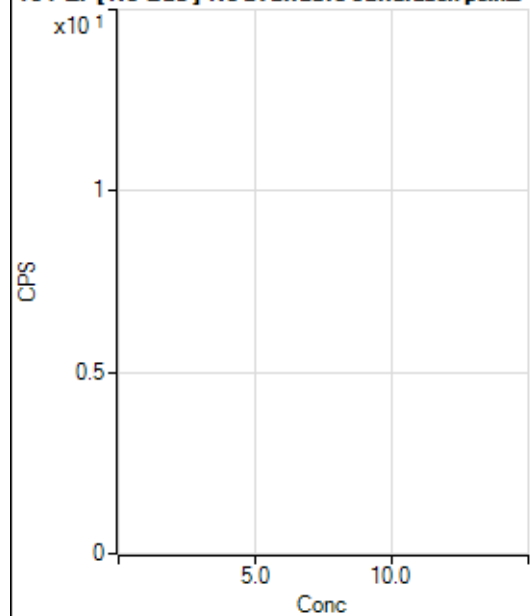
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			4.44		P	43.4
2	☐			1.11		P	173.2
3	☐			11.11		P	17.3
4	☐			20.00		P	44.1
5	☐			45.55		P	29.6
6	☐			87.78		P	4.4
7	☐			173.34		P	15.0
8	☐			520.02		P	8.0

160 Gd [No Gas] Noavailable calibration poin_

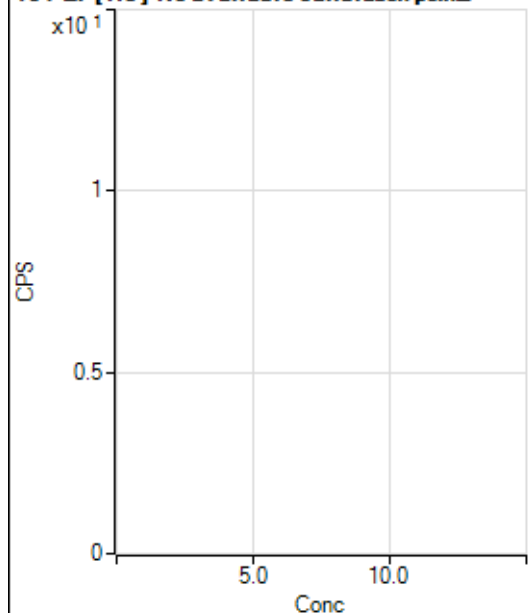
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			83.34		P	55.7
2	☐			66.67		P	45.1
3	☐			113.89		P	18.4
4	☐			136.12		P	33.7
5	☐			188.90		P	9.2
6	☐			263.90		P	15.9
7	☐			444.46		P	12.5
8	☐			1591.81		P	5.0

160 Gd [He] No available calibration points

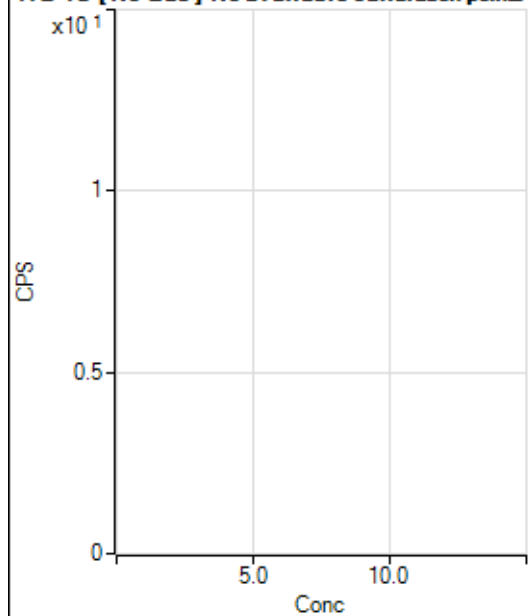
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			100.00		P	12.0
2	☐			93.33		P	28.4
3	☐			122.22		P	19.2
4	☐			114.44		P	16.6
5	☐			108.89		P	17.9
6	☐			140.00		P	17.2
7	☐			220.00		P	15.2
8	☐			691.14		P	2.2

164 Er [No Gas] No available calibration points

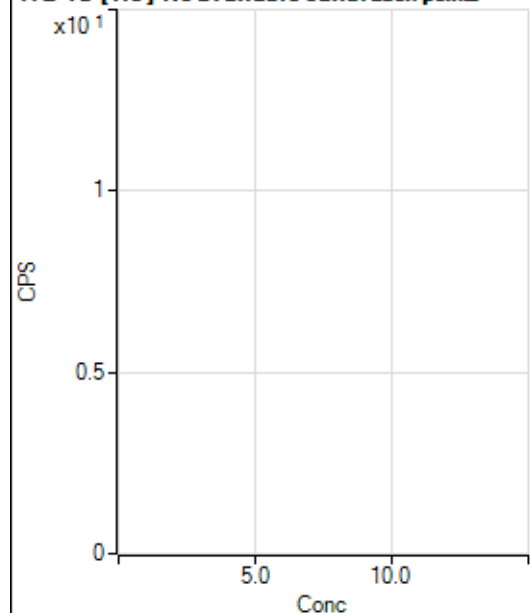
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			119.45		P	21.3
2	☐			119.45		P	26.4
3	☐			116.67		P	43.4
4	☐			94.45		P	13.5
5	☐			144.45		P	12.0
6	☐			119.45		P	28.2
7	☐			155.56		P	32.7
8	☐			316.68		P	13.9

164 Er [He] No available calibration points

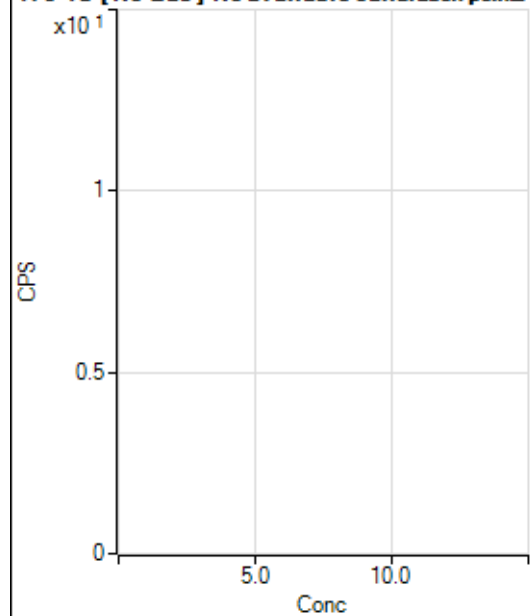
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			40.00		P	33.3
2	☐			33.33		P	36.1
3	☐			34.44		P	68.7
4	☐			34.44		P	40.3
5	☐			34.44		P	24.3
6	☐			25.55		P	65.7
7	☐			61.11		P	25.8
8	☐			111.11		P	20.0

172 Yb [No Gas] No available calibration points

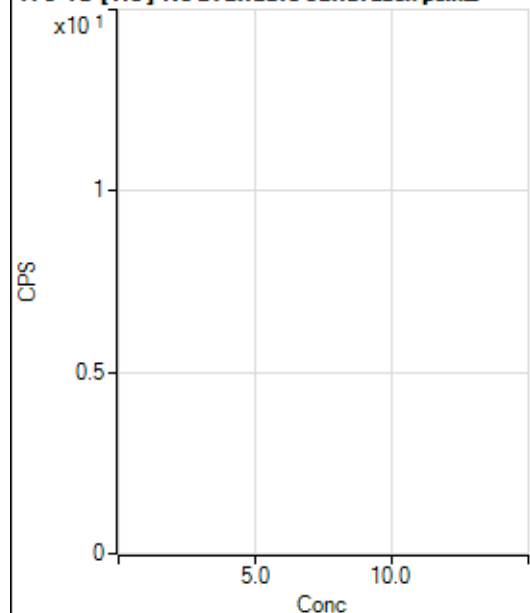
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			55.56		P	60.6
2	☐			30.56		P	31.5
3	☐			50.00		P	66.7
4	☐			44.44		P	21.7
5	☐			30.55		P	15.7
6	☐			61.11		P	7.9
7	☐			52.78		P	9.1
8	☐			152.78		P	49.2

172 Yb [He] No available calibration points

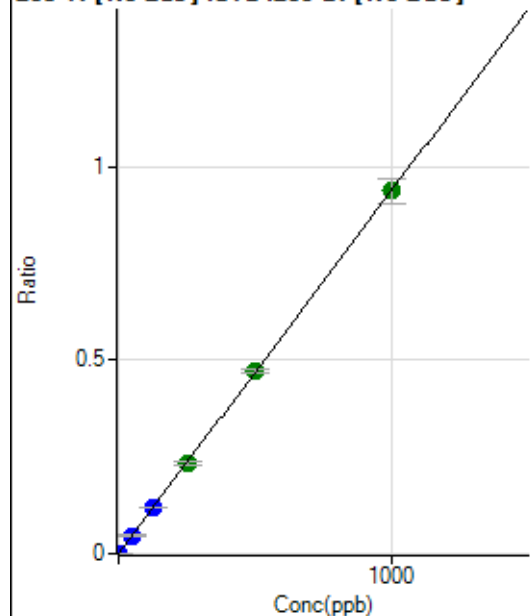
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			14.82		P	57.3
2	☐			22.22		P	25.0
3	☐			14.82		P	21.7
4	☐			11.11		P	50.0
5	☐			16.67		P	66.6
6	☐			29.63		P	47.2
7	☐			18.52		P	17.3
8	☐			64.82		P	40.5

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			1714.05		P	6.3
2	☐			1975.22		P	9.7
3	☐			3364.42		P	6.1
4	☐			5618.04		P	6.3
5	☐			9445.33		P	4.4
6	☐			17462.08		P	2.6
7	☐			34156.20		P	1.9
8	☐			1958.53		P	4.6

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			6612.91		P	2.1
2	☐			6488.75		P	2.5
3	☐			7072.41		P	6.5
4	☐			7832.11		P	3.0
5	☐			9036.59		P	4.6
6	☐			11933.43		P	2.5
7	☐			18680.26		P	1.8
8	☐			6485.05		P	5.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	483.36	0.0001	P	13.9
2	☐	1.000	0.939	7288.34	0.0009	P	3.9
3	☐	50.000	49.247	362421.83	0.0463	P	8.2
4	☐	125.000	127.014	959892.44	0.1193	P	3.1
5	☐	250.000	250.250	1866465.58	0.2350	A	3.8
6	☐	500.000	500.815	3681674.39	0.4703	A	2.0
7	☐	1000.000	999.316	7455542.62	0.9384	A	7.1
8	☐			2492.04	0.0004	P	19.8

$$y = 9.3895E-004 * x + 6.2529E-005$$

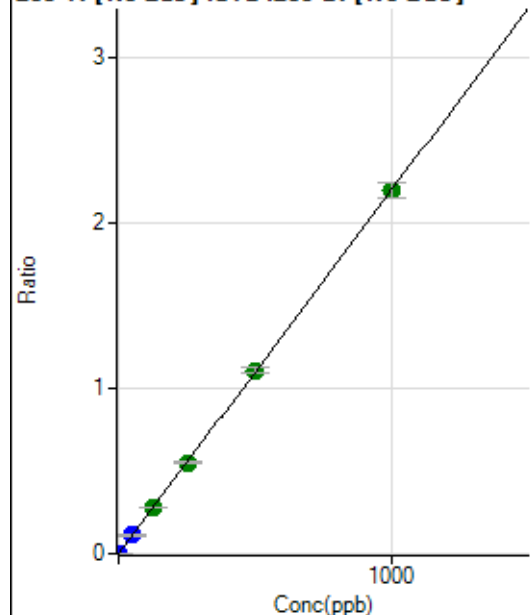
$$R = 1.0000$$

$$DL = 0.02786$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1230.65	0.0002	P	5.8
2	☐	1.000	1.014	18449.81	0.0024	P	4.4
3	☐	50.000	51.239	883798.11	0.1129	P	7.7
4	☐	125.000	126.875	2247145.47	0.2793	A	1.8
5	☐	250.000	250.663	4380734.17	0.5516	A	1.6
6	☐	500.000	503.208	8666790.47	1.1073	A	3.4
7	☐	1000.000	997.934	17470696.40	2.1957	A	4.2
8	☐			6026.68	0.0009	P	17.6

$$y = 0.0022 * x + 1.5899E-004$$

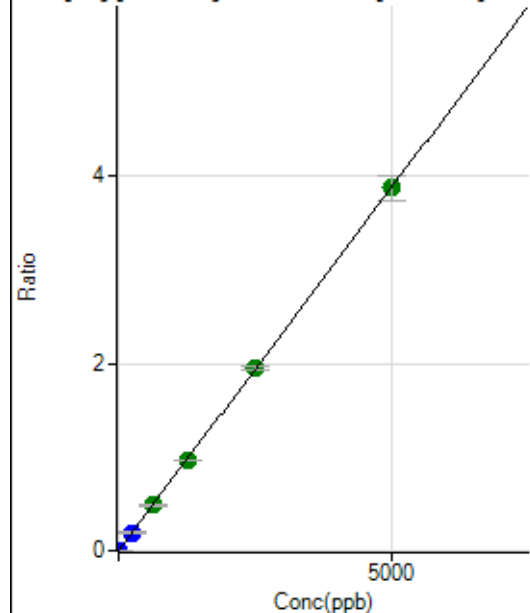
$$R = 1.0000$$

$$DL = 0.01268$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	994.50	0.0001	P	9.3
2	☐	1.000	0.965	6770.43	0.0009	P	3.7
3	☐	250.000	247.219	1503580.66	0.1920	P	6.7
4	☐	625.000	626.139	3909823.18	0.4860	A	2.6
5	☐	1250.000	1243.194	7662138.54	0.9648	A	1.7
6	☐	2500.000	2511.864	15260085.53	1.9492	A	2.5
7	☐	5000.000	4995.766	30800994.67	3.8767	A	6.9
8	☐			17438.36	0.0026	P	6.7

$$y = 7.7597E-004 * x + 1.2855E-004$$

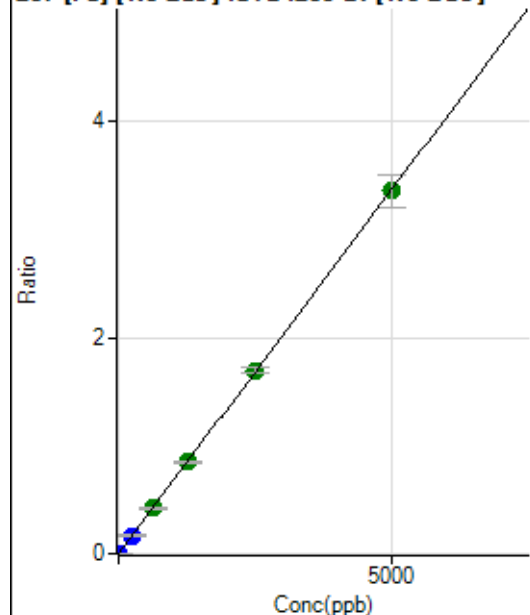
$$R = 1.0000$$

$$DL = 0.04618$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	864.86	0.0001	P	1.8
2	☐	1.000	0.961	5856.99	0.0008	P	3.3
3	☐	250.000	242.816	1281488.53	0.1637	P	7.9
4	☐	625.000	625.281	3389722.09	0.4214	A	3.2
5	☐	1250.000	1261.502	6750993.73	0.8500	A	2.1
6	☐	2500.000	2522.350	13309638.84	1.6995	A	2.6
7	☐	5000.000	4986.274	26662045.04	3.3595	A	9.0
8	☐			15491.14	0.0023	P	9.5

$$y = 6.7372E-004 * x + 1.1171E-004$$

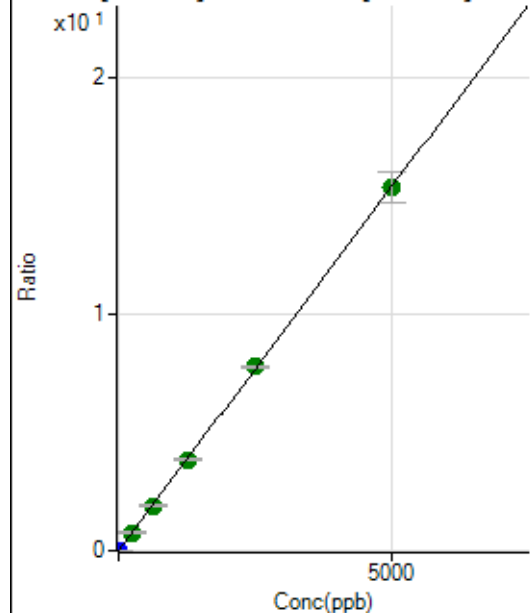
$$R = 1.0000$$

$$DL = 0.009197$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3955.87	0.0005	P	6.3
2	☐	1.000	0.958	26698.27	0.0035	P	2.2
3	☐	250.000	246.660	5951360.61	0.7603	A	8.1
4	☐	625.000	620.523	15382219.82	1.9120	A	2.3
5	☐	1250.000	1249.857	30582626.50	3.8506	A	1.3
6	☐	2500.000	2526.325	60940342.69	7.7826	A	1.3
7	☐	5000.000	4987.600	121977741.1	15.3643	A	8.4
8	☐			70190.71	0.0105	P	8.3

$$y = 0.0031 * x + 5.1109E-004$$

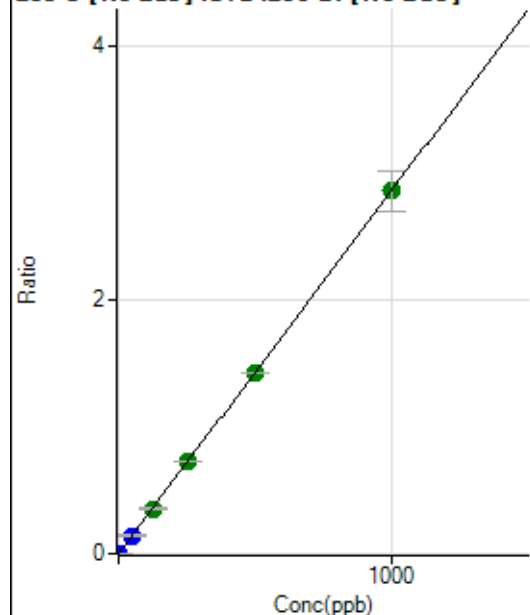
$$R = 1.0000$$

$$DL = 0.03154$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	36.11	0.0000	P	71.2
2	☐	1.000	0.951	20998.51	0.0027	P	1.3
3	☐	50.000	48.979	1095699.98	0.1399	P	7.3
4	☐	125.000	123.335	2835532.29	0.3523	A	1.9
5	☐	250.000	254.090	5765529.08	0.7259	A	0.2
6	☐	500.000	499.378	11170098.86	1.4266	A	0.4
7	☐	1000.000	999.548	22638139.05	2.8555	A	11.0
8	☐			4220.48	0.0006	P	36.0

$$y = 0.0029 * x + 4.6734E-006$$

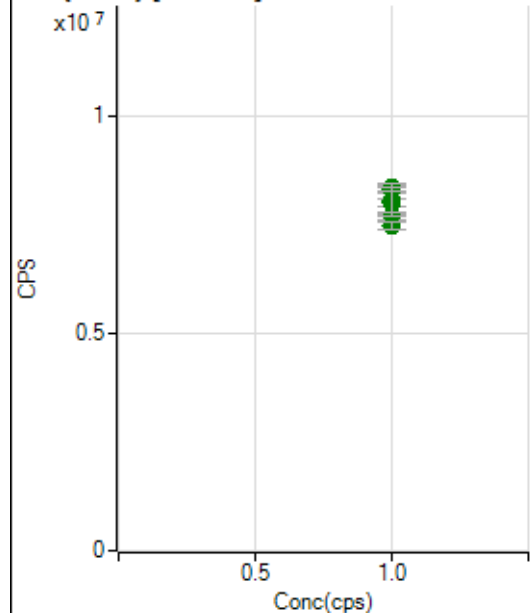
$$R = 1.0000$$

$$DL = 0.003496$$

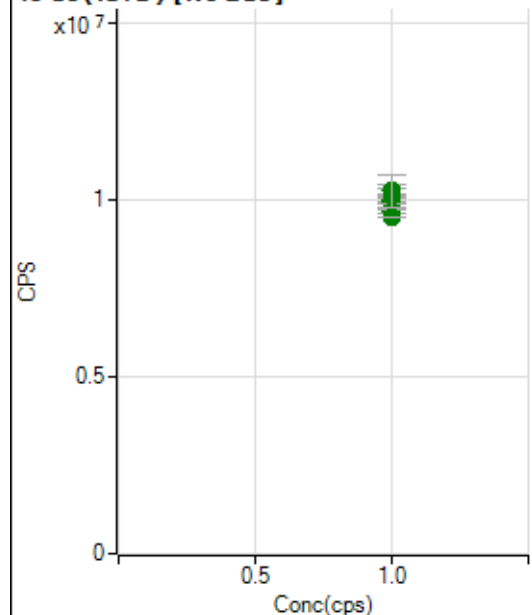
Weight: <None>

Min Conc: 0

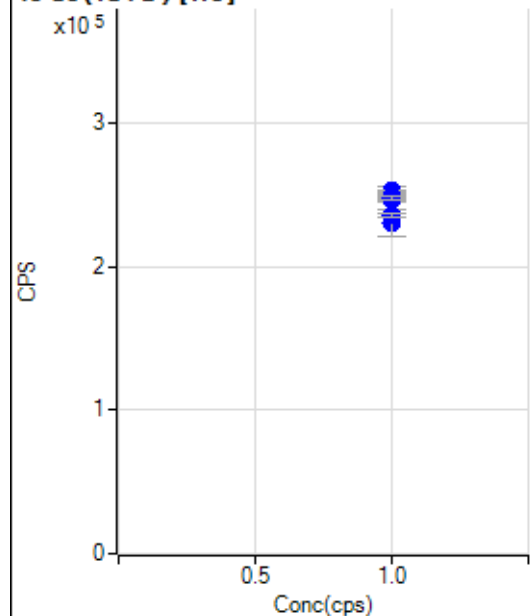
6 Li (ISTD) [No Gas]



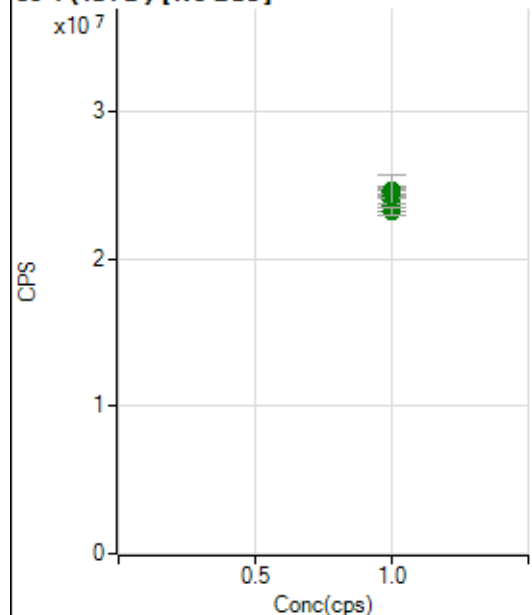
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		8069877.32		A	3.4
2	☐	1.000		8007857.47		A	2.5
3	☐	1.000		7990252.69		A	6.1
4	☐	1.000		8345191.76		A	1.5
5	☐	1.000		8329819.93		A	1.2
6	☐	1.000		7680570.31		A	2.4
7	☐	1.000		8070903.23		A	9.1
8	☐	1.000		7463794.49		A	2.6

45 Sc (ISTD) [No Gas]

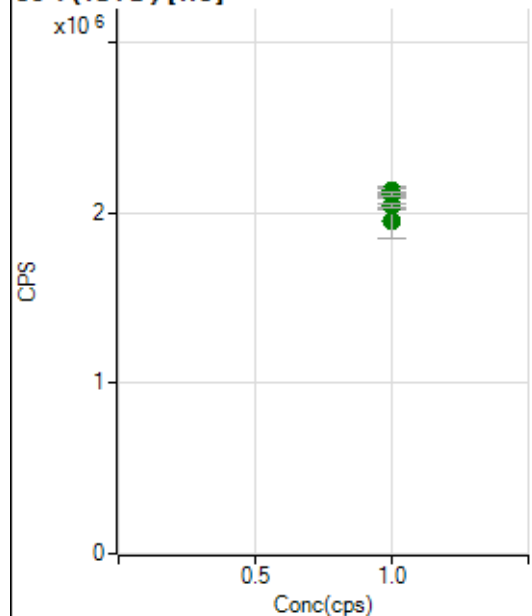
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		10028699.09		A	1.1
2	☐	1.000		9922704.30		A	4.2
3	☐	1.000		10155610.27		A	5.6
4	☐	1.000		10251088.53		A	1.2
5	☐	1.000		9812265.27		A	1.3
6	☐	1.000		9664446.87		A	1.2
7	☐	1.000		10256884.78		A	9.2
8	☐	1.000		9506299.02		A	0.2

45 Sc (ISTD) [He]

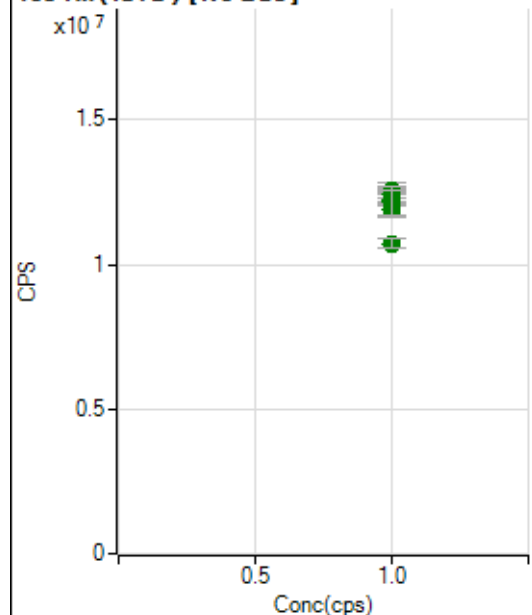
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		248680.24		P	0.3
2	☐	1.000		251874.01		P	3.6
3	☐	1.000		252687.46		P	0.9
4	☐	1.000		246375.24		P	1.1
5	☐	1.000		230740.67		P	8.2
6	☐	1.000		235722.79		P	0.9
7	☐	1.000		249626.25		P	0.5
8	☐	1.000		248214.82		P	1.1

89 Y (ISTD) [No Gas]

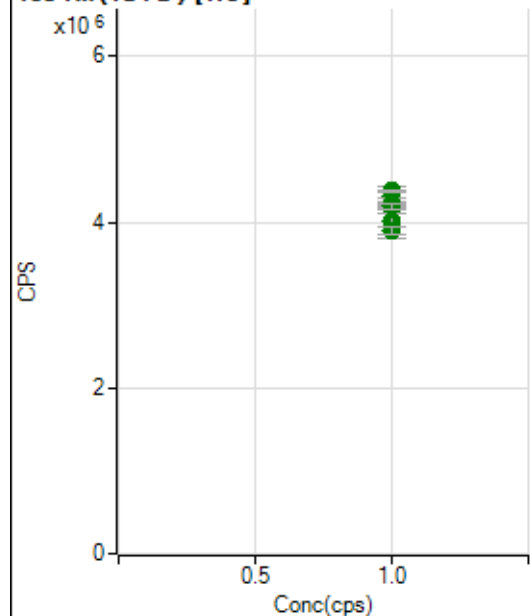
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		24603732.97		A	2.9
2	☐	1.000		24420645.19		A	1.9
3	☐	1.000		24078826.03		A	5.0
4	☐	1.000		24643079.63		A	1.7
5	☐	1.000		24310773.25		A	0.9
6	☐	1.000		23648029.37		A	1.2
7	☐	1.000		24516568.80		A	10.4
8	☐	1.000		23227896.04		A	2.6

89 Y (ISTD) [He]

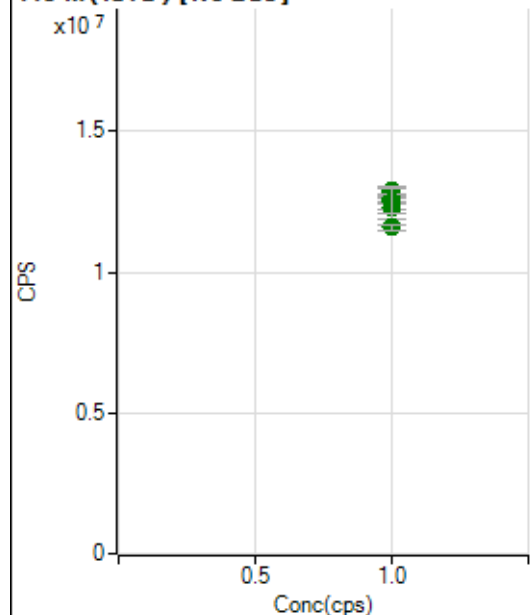
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		2118126.41		A	0.4
2	☐	1.000		2128724.08		A	3.1
3	☐	1.000		2111258.32		A	0.8
4	☐	1.000		2039928.49		A	1.2
5	☐	1.000		1958841.33		A	10.4
6	☐	1.000		2045730.20		A	1.4
7	☐	1.000		2131495.61		A	1.6
8	☐	1.000		2111148.89		A	1.1

103 Rh (ISTD) [No Gas]

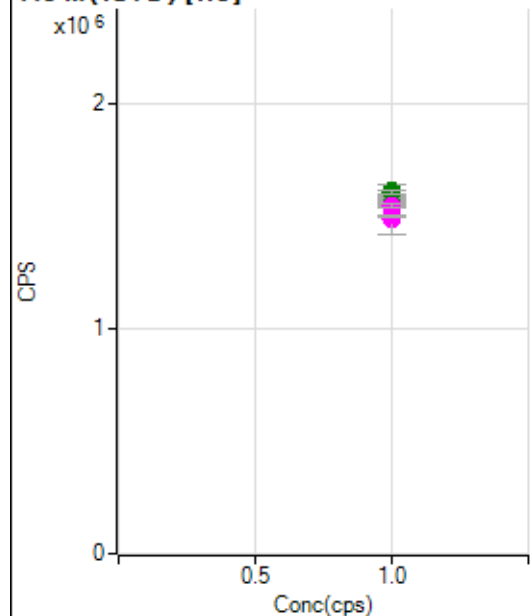
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		12532229.79		A	1.8
2	☐	1.000		12534625.97		A	0.4
3	☐	1.000		12435069.46		A	5.9
4	☐	1.000		12540565.30		A	0.1
5	☐	1.000		12215297.84		A	0.8
6	☐	1.000		11875921.19		A	3.0
7	☐	1.000		12165080.05		A	8.3
8	☐	1.000		10724248.68		A	2.9

103 Rh (ISTD) [He]

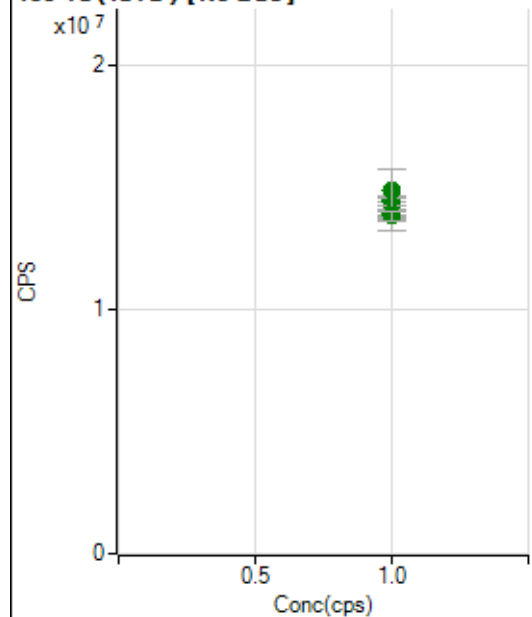
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4322346.88		A	1.7
2	☐	1.000		4356856.53		A	3.0
3	☐	1.000		4375041.98		A	0.6
4	☐	1.000		4220603.06		A	1.1
5	☐	1.000		4007132.99		A	10.4
6	☐	1.000		4140206.88		A	1.2
7	☐	1.000		4193957.96		A	1.6
8	☐	1.000		3892454.63		A	2.4

115 In (ISTD) [No Gas]

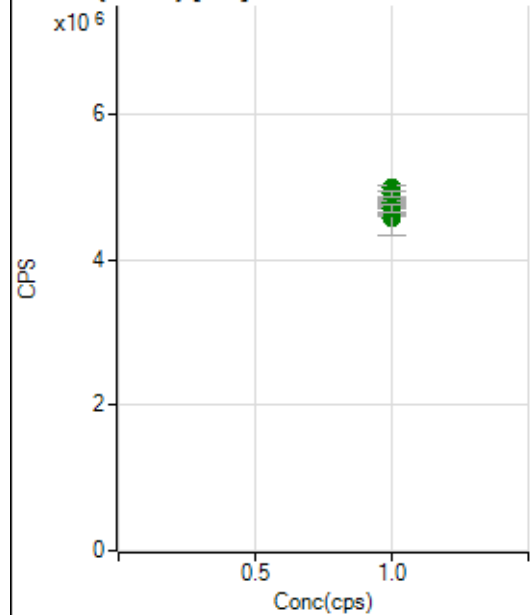
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		12711732.39		A	0.7
2	☐	1.000		12614519.14		A	2.0
3	☐	1.000		12599840.59		A	5.7
4	☐	1.000		12868221.32		A	1.7
5	☐	1.000		12889936.55		A	1.8
6	☐	1.000		12274733.96		A	2.7
7	☐	1.000		12497265.68		A	9.3
8	☐	1.000		11581286.46		A	1.8

115 In (ISTD) [He]

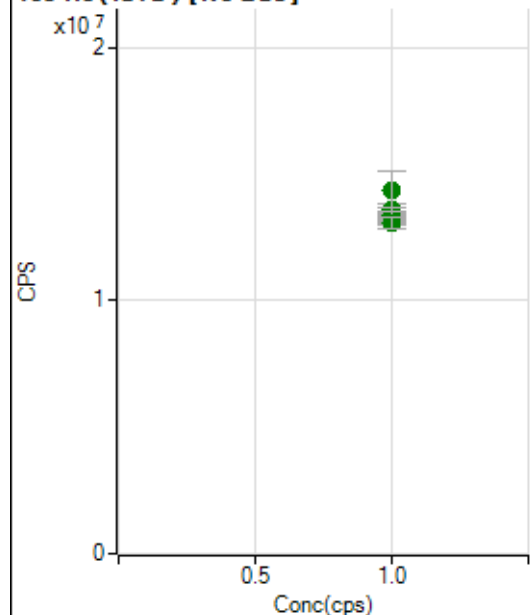
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1582001.76		A	1.1
2	☐	1.000		1609842.05		A	3.9
3	☐	1.000		1603928.09		A	0.9
4	☐	1.000		1551656.50		A	0.6
5	☐	1.000		1486981.49		M	9.8
6	☐	1.000		1500393.33		M	0.4
7	☐	1.000		1550195.66		A	1.5
8	☐	1.000		1544810.84		M	1.3

159 Tb (ISTD) [No Gas]

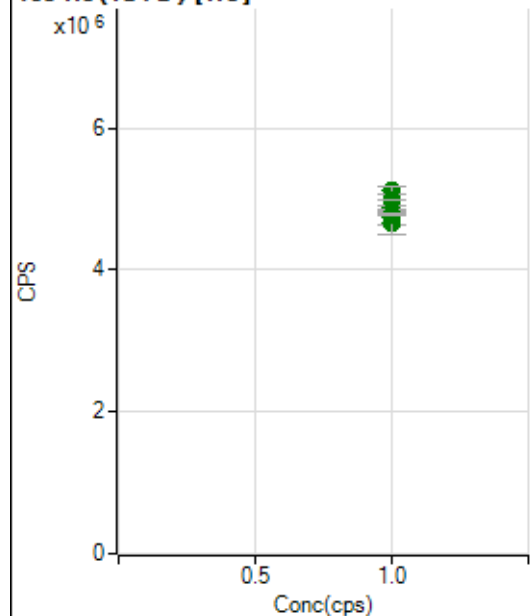
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		14018403.40		A	1.4
2	☐	1.000		13848278.68		A	1.0
3	☐	1.000		13928212.57		A	9.2
4	☐	1.000		14540231.73		A	1.8
5	☐	1.000		14440684.51		A	2.2
6	☐	1.000		13928665.63		A	3.1
7	☐	1.000		14883805.33		A	11.7
8	☐	1.000		13860650.91		A	2.6

159 Tb (ISTD) [He]

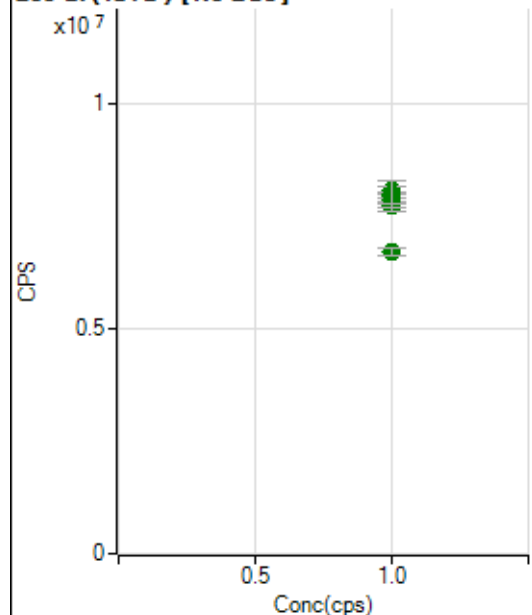
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4702989.20		A	3.1
2	☐	1.000		4700665.59		A	4.3
3	☐	1.000		4784846.14		A	2.6
4	☐	1.000		4796792.99		A	3.1
5	☐	1.000		4572518.12		A	10.0
6	☐	1.000		4716925.03		A	2.1
7	☐	1.000		4991310.41		A	1.4
8	☐	1.000		4907792.77		A	1.4

165 Ho (ISTD) [No Gas]

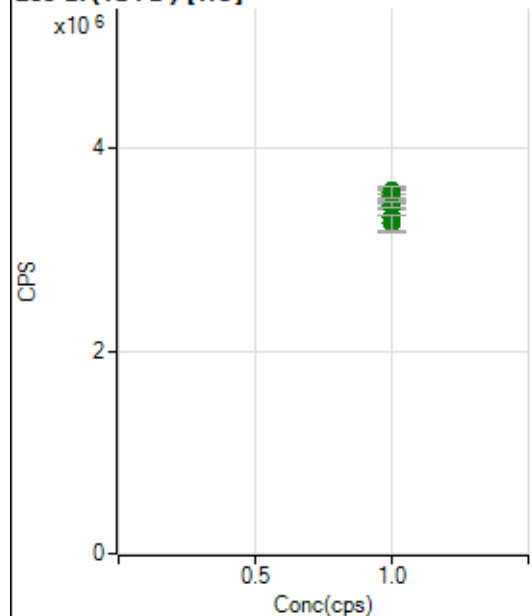
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		13285124.08		A	1.3
2	☐	1.000		13077542.13		A	1.1
3	☐	1.000		13349733.63		A	4.2
4	☐	1.000		13626187.54		A	2.5
5	☐	1.000		13565159.33		A	1.9
6	☐	1.000		13397913.23		A	3.6
7	☐	1.000		14326427.14		A	11.0
8	☐	1.000		13043410.71		A	3.5

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4777053.50		A	0.6
2	☐	1.000		4742400.80		A	4.2
3	☐	1.000		4870359.79		A	1.9
4	☐	1.000		4836507.46		A	0.9
5	☐	1.000		4651157.19		A	6.3
6	☐	1.000		4781874.65		A	1.0
7	☐	1.000		5112547.18		A	2.0
8	☐	1.000		4983270.59		A	0.3

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		7741672.32		A	1.6
2	☐	1.000		7715880.02		A	1.3
3	☐	1.000		7857128.91		A	7.0
4	☐	1.000		8047656.27		A	2.0
5	☐	1.000		7942649.60		A	1.6
6	☐	1.000		7830046.48		A	1.6
7	☐	1.000		7974103.35		A	7.9
8	☐	1.000		6698823.93		A	2.1

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3489927.45		A	0.4
2	☐	1.000		3460938.56		A	3.5
3	☐	1.000		3583793.07		A	1.8
4	☐	1.000		3536058.66		A	2.8
5	☐	1.000		3319837.90		A	8.5
6	☐	1.000		3446503.21		A	2.0
7	☐	1.000		3572222.41		A	2.9
8	☐	1.000		3264961.34		A	4.4