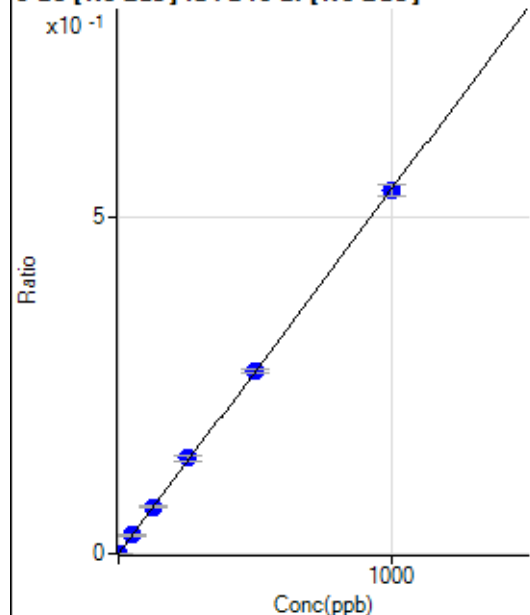


Calibration for 007CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8051321-MS.b\
 Analysis File: P8051321-MS.batch.bin
 DA Date-Time: 2021-05-13 13:15:15
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2021-05-13 12:27:43
2	006CALS.d	S01	2021-05-13 12:33:41
3	008CALS.d	S02	2021-05-13 12:39:40
4	009CALS.d	S03	2021-05-13 12:42:38
5	010CALS.d	S04	2021-05-13 12:45:39
6	011CALS.d	S05	2021-05-13 12:48:37
7	012CALS.d	S06	2021-05-13 12:51:38
8	013CALS.d	S07	2021-05-13 12:54:36
9	014CALS.d	S08	2021-05-13 12:57:37

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	12.00	0.0000	P	50.6
2	☐	0.100	0.102	72.65	0.0001	P	18.7
3	☐	1.000	1.054	637.22	0.0006	P	5.1
4	☐	50.000	50.210	29880.26	0.0272	P	4.5
5	☐	125.000	129.163	73944.02	0.0701	P	3.0
6	☐	250.000	261.645	149332.28	0.1419	P	5.3
7	☐	500.000	500.945	295691.54	0.2717	P	1.3
8	☐	1000.000	996.085	572125.67	0.5403	P	3.0
9	☐			141.31	0.0001	P	16.4

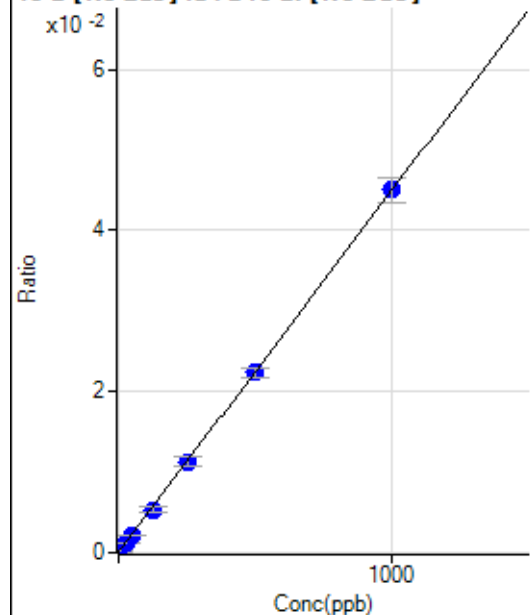
$$y = 5.4242\text{E-}004 * x + 1.0837\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.03032$$

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	98.65	0.0001	P	28.8
2	☐	2.500	1.744	183.96	0.0002	P	7.9
3	☐	25.000	25.181	1330.47	0.0012	P	10.7
4	☐	50.000	45.953	2354.40	0.0021	P	8.7
5	☐	125.000	117.499	5645.31	0.0054	P	9.6
6	☐	250.000	250.589	11891.15	0.0113	P	10.8
7	☐	500.000	496.062	24292.54	0.0223	P	4.8
8	☐	1000.000	1002.959	47657.33	0.0450	P	6.9
9	☐			5500.63	0.0053	P	11.3

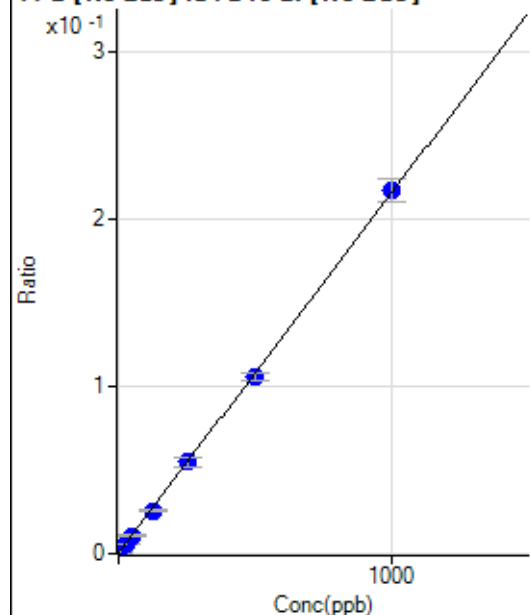
$$y = 4.4795\text{E-}005 * x + 8.9437\text{E-}005$$

$$R = 1.0000$$

$$DL = 1.727$$

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	380.60	0.0003	P	5.7
2	☐	2.500	2.459	959.18	0.0009	P	8.9
3	☐	25.000	25.132	6298.13	0.0058	P	10.1
4	☐	50.000	47.034	11488.23	0.0105	P	9.7
5	☐	125.000	117.980	27192.41	0.0258	P	7.8
6	☐	250.000	252.223	57484.60	0.0547	P	11.7
7	☐	500.000	490.269	115455.11	0.1060	P	5.0
8	☐	1000.000	1005.332	229802.91	0.2171	P	6.3
9	☐			25944.45	0.0250	P	11.2

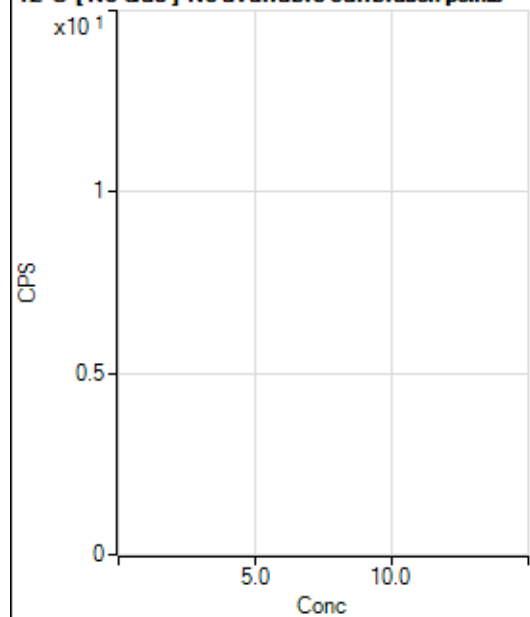
$$y = 2.1559\text{E-}004 * x + 3.4378\text{E-}004$$

$$R = 0.9999$$

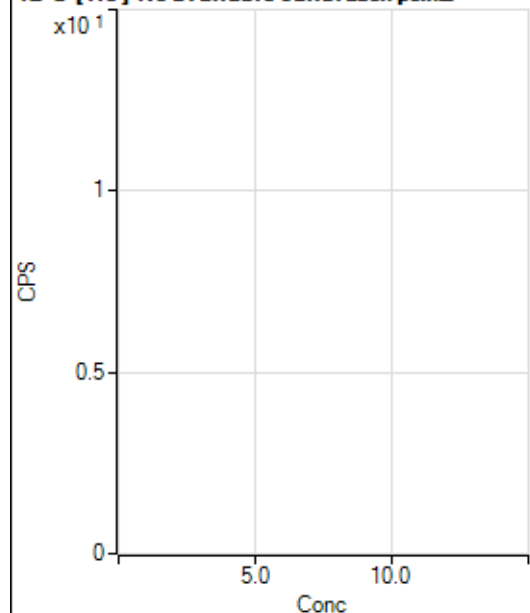
$$DL = 0.2711$$

Weight: <None>

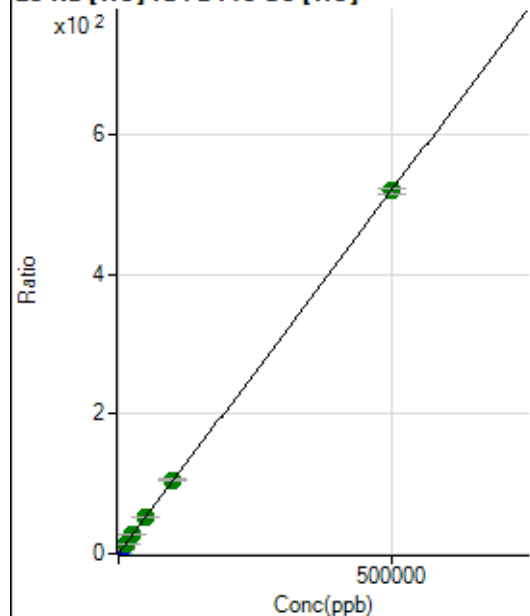
Min Conc: 0

12 C [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			2124426.85		A	2.4
2	☐			2253523.23		A	2.1
3	☐			2235500.44		A	1.1
4	☐			2529579.01		A	0.4
5	☐			2599745.26		A	1.2
6	☐			2664461.60		A	1.0
7	☐			2758461.32		A	2.1
8	☐			2837201.13		A	3.0
9	☐			2740072.41		A	1.1

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			25881.64		P	1.5
2	☐			26991.96		P	1.3
3	☐			28389.07		P	0.6
4	☐			30977.72		P	1.3
5	☐			32570.05		P	1.4
6	☐			33552.69		P	2.3
7	☐			34694.23		P	1.2
8	☐			37570.81		P	0.3
9	☐			36888.64		P	2.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	18587.24	0.1651	P	1.5
2	☐	50.000	49.793	24468.16	0.2169	P	3.4
3	☐	500.000	514.506	79494.54	0.6999	P	2.9
4	☐	5000.000	5179.831	628630.87	5.5496	P	0.4
5	☐	12500.000	13300.562	1571122.20	13.9913	A	6.7
6	☐	25000.000	25847.057	3007553.28	27.0336	A	2.8
7	☐	50000.000	50750.316	6081596.71	52.9210	A	2.4
8	☐	100000.00	101541.61	12117640.81	105.7196	A	1.6
9	☐	500000.00	499552.46	60390572.88	519.4595	A	1.5

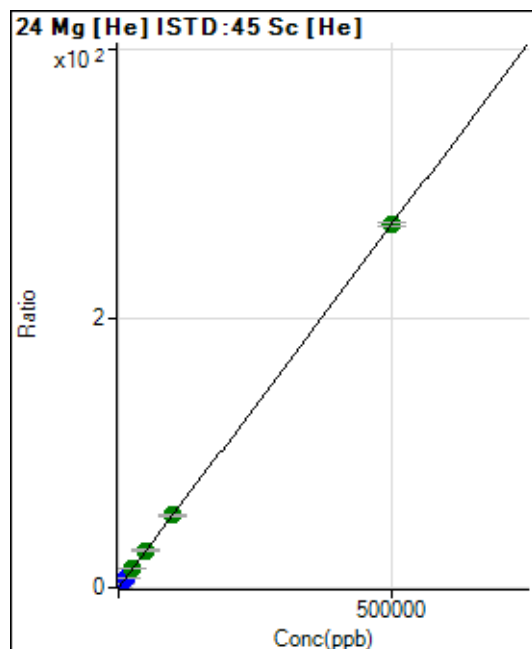
$$y = 0.0010 * x + 0.1651$$

$$R = 1.0000$$

$$DL = 7.382$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	472.24	0.0042	P	9.8
2	☐	50.000	57.040	3947.86	0.0350	P	1.4
3	☐	500.000	526.394	32728.96	0.2882	P	2.9
4	☐	5000.000	5248.567	321169.84	2.8357	P	1.2
5	☐	12500.000	13104.811	794290.27	7.0739	P	6.9
6	☐	25000.000	26266.738	1577049.24	14.1744	A	2.7
7	☐	50000.000	51411.531	3187694.21	27.7393	A	3.0
8	☐	100000.00	99630.635	6161032.69	53.7521	A	1.0
9	☐	500000.00	499851.75	31350280.21	269.6602	A	1.1

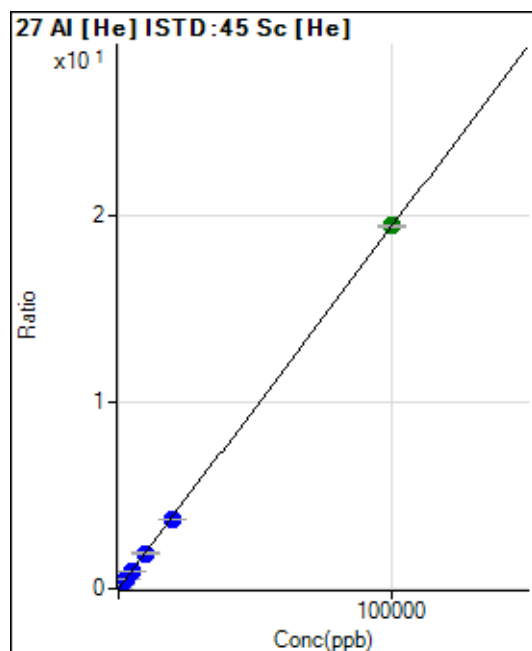
$$y = 5.3947\text{E-}004 * x + 0.0042$$

$$R = 1.0000$$

$$DL = 2.285$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	414.54	0.0037	P	10.5
2	☐	2.000	2.233	465.37	0.0041	P	3.1
3	☐	20.000	20.234	864.09	0.0076	P	7.0
4	☐	1000.000	980.861	21981.70	0.1941	P	0.2
5	☐	2500.000	2497.176	54861.91	0.4884	P	5.2
6	☐	5000.000	4971.840	107786.46	0.9687	P	1.1
7	☐	10000.000	9804.003	219099.28	1.9065	P	1.8
8	☐	20000.000	19083.975	424976.83	3.7076	P	0.6
9	☐	100000.00	100204.47	2261607.02	19.4520	A	0.5

$$y = 1.9409\text{E-}004 * x + 0.0037$$

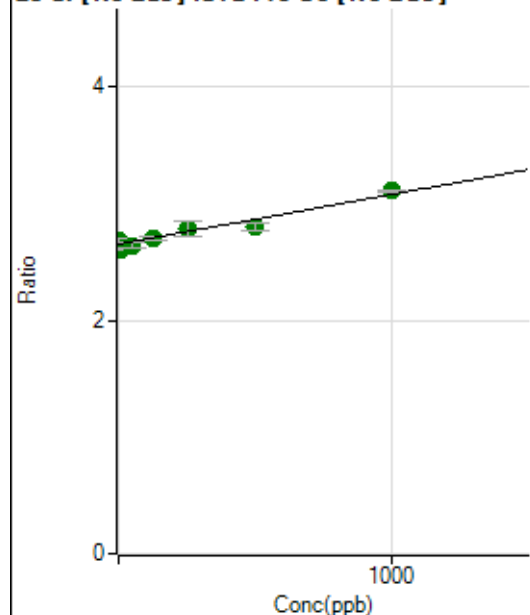
$$R = 1.0000$$

$$DL = 5.958$$

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	7158665.35	2.6524	A	2.6
2	☐	1.000	68.467	7118668.13	2.6815	A	1.8
3	☐	10.000	-100.087	7089778.54	2.6098	A	1.0
4	☐	50.000	-36.297	7128933.67	2.6369	A	1.8
5	☐	125.000	116.960	7171380.89	2.7021	A	1.4
6	☐	250.000	311.970	7335474.30	2.7851	A	4.6
7	☐	500.000	343.014	7682135.24	2.7983	A	2.1
8	☐	1000.000	1069.354	8334045.06	3.1073	A	0.6
9	☐			6758100.11	2.5630	A	1.5

$$y = 4.2540\text{E-}004 * x + 2.6524$$

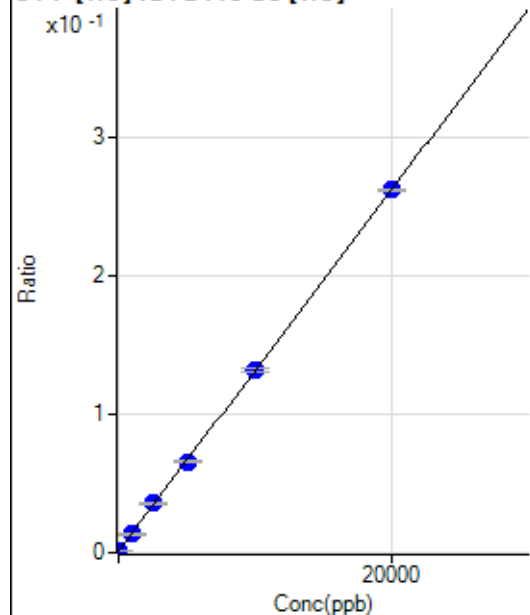
$$R = 0.9733$$

$$DL = 477.2$$

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	-11.643	111.12	0.0010	P	34.3
2	☐	0.000	-0.551	127.78	0.0011	P	4.1
3	☐	0.000	12.193	147.23	0.0013	P	5.3
4	☐	1000.000	932.817	1505.67	0.0133	P	6.1
5	☐	2500.000	2645.128	4006.20	0.0356	P	5.4
6	☐	5000.000	4936.384	7288.13	0.0655	P	1.5
7	☐	10000.000	10008.180	15124.92	0.1316	P	1.8
8	☐	20000.000	19997.032	30012.13	0.2618	P	0.3
9	☐			191.67	0.0016	P	18.2

$$y = 1.3037\text{E-}005 * x + 0.0011$$

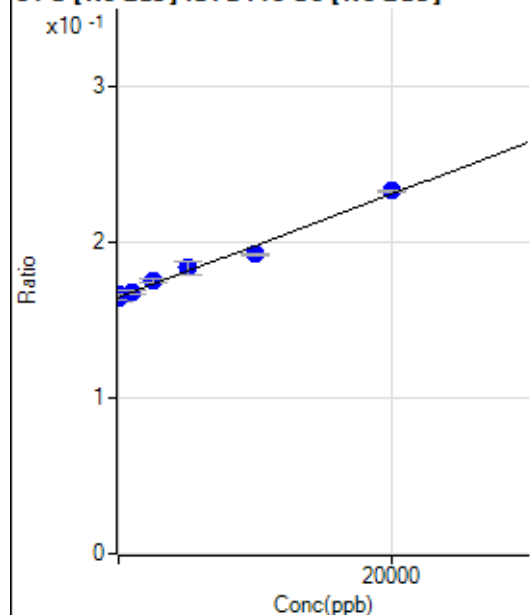
$$R = 1.0000$$

$$DL = 34.81$$

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	-182.005	443602.01	0.1644	P	2.3
2	☐	0.000	466.374	441990.98	0.1665	P	2.4
3	☐	0.000	-284.369	445546.20	0.1640	P	1.3
4	☐	1000.000	870.365	453779.69	0.1678	P	1.8
5	☐	2500.000	3092.887	465052.03	0.1752	P	1.2
6	☐	5000.000	5762.287	484860.02	0.1841	P	4.6
7	☐	10000.000	8309.352	528636.44	0.1925	P	1.0
8	☐	20000.000	20587.123	625755.98	0.2333	P	0.2
9	☐			398267.02	0.1510	P	1.1

$$y = 3.3199\text{E-}006 * x + 0.1650$$

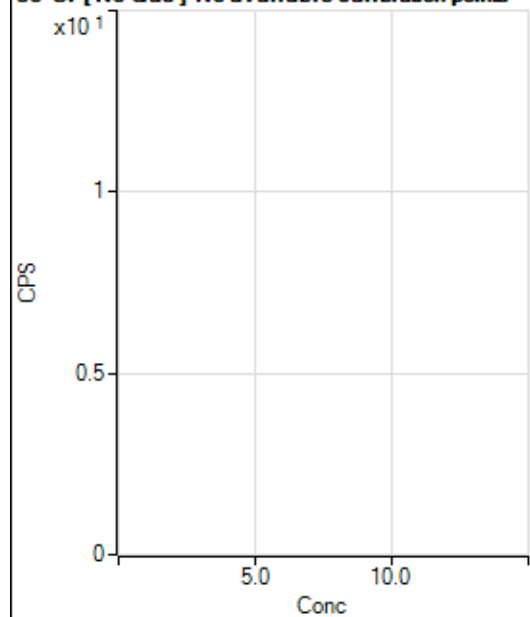
$$R = 0.9936$$

$$DL = 2991$$

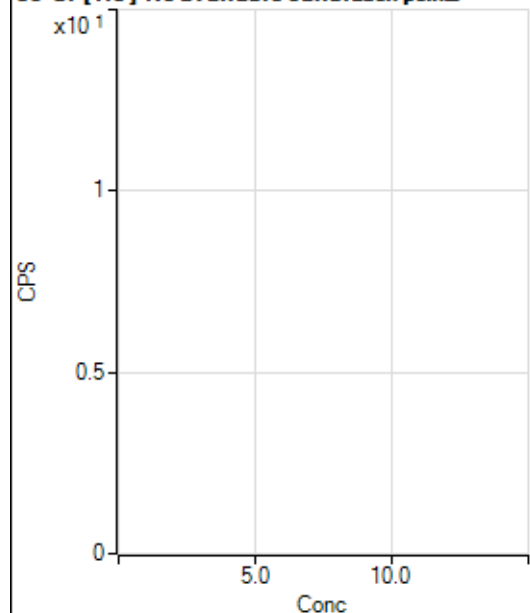
Weight: <None>

Min Conc: 0

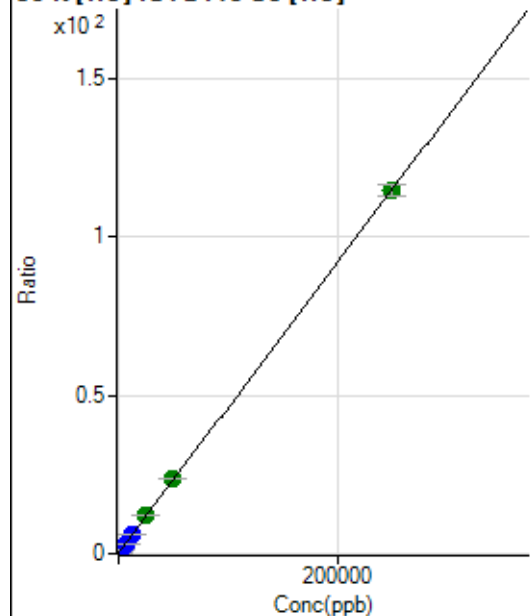
35 Cl [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			72800.24		P	2.5
2	☐			74600.94		P	0.5
3	☐			76405.20		P	1.3
4	☐			103488.39		P	2.0
5	☐			110851.96		P	2.9
6	☐			112343.71		P	2.3
7	☐			111427.96		P	2.4
8	☐			109384.91		P	2.4
9	☐			109608.76		P	1.4

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			805.60		P	6.1
2	☐			802.82		P	9.6
3	☐			872.27		P	5.8
4	☐			1200.09		P	4.6
5	☐			1186.19		P	8.8
6	☐			1188.97		P	12.5
7	☐			1283.43		P	8.1
8	☐			1261.20		P	6.5
9	☐			1205.64		P	7.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	28670.60	0.2548	P	4.2
2	☐	50.000	46.665	31142.66	0.2761	P	4.7
3	☐	500.000	495.259	54656.98	0.4812	P	2.8
4	☐	2500.000	2549.278	160893.90	1.4205	P	1.0
5	☐	6250.000	6499.764	362430.76	3.2268	P	6.0
6	☐	12500.000	12883.922	683774.55	6.1460	P	2.6
7	☐	25000.000	25825.752	1386429.83	12.0638	A	1.4
8	☐	50000.000	51063.693	2705422.89	23.6040	A	1.7
9	☐	250000.00	249678.76	13300027.82	114.4222	A	3.2

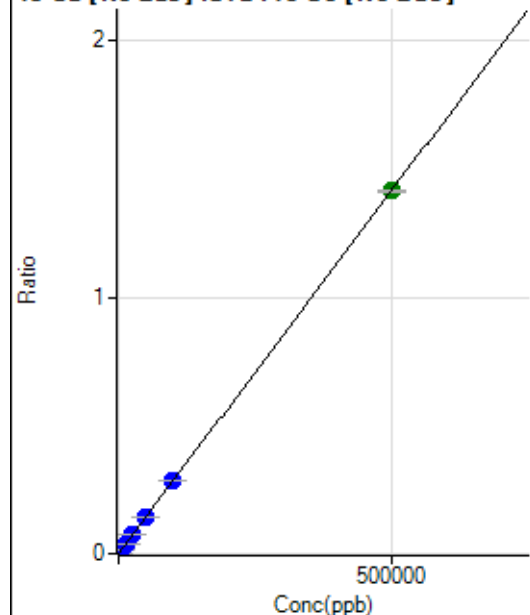
$$y = 4.5726E-004 * x + 0.2548$$

$$R = 1.0000$$

$$DL = 70.05$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	189.15	0.0001	P	11.6
2	☐	50.000	50.926	568.27	0.0002	P	4.2
3	☐	500.000	484.035	3909.64	0.0014	P	4.1
4	☐	5000.000	5049.211	38804.24	0.0144	P	3.4
5	☐	12500.000	12795.420	96262.60	0.0363	P	2.0
6	☐	25000.000	26309.166	196216.74	0.0745	P	5.3
7	☐	50000.000	50299.606	390942.66	0.1424	P	1.3
8	☐	100000.00	100637.66	763898.19	0.2848	P	0.7
9	☐	500000.00	499769.18	3729407.27	1.4141	A	0.7

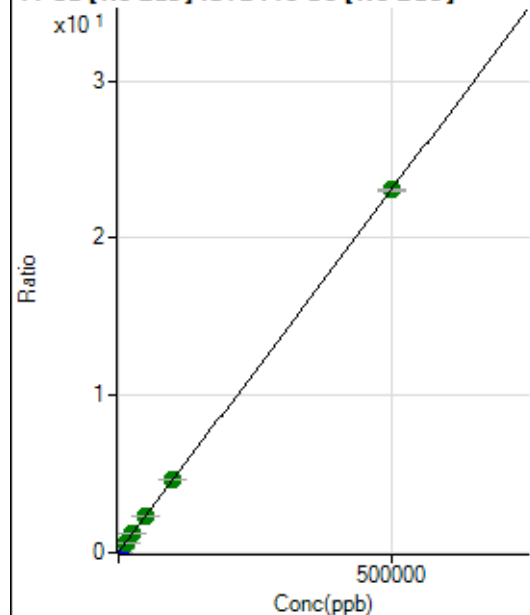
$$y = 2.8294E-006 * x + 7.0032E-005$$

$$R = 1.0000$$

$$DL = 8.582$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	53108.74	0.0197	P	2.7
2	☐	50.000	49.441	58290.49	0.0220	P	1.5
3	☐	500.000	474.886	112905.01	0.0416	P	2.1
4	☐	5000.000	4930.783	667385.57	0.2469	P	4.0
5	☐	12500.000	13095.532	1653884.64	0.6232	A	2.7
6	☐	25000.000	26401.518	3257305.42	1.2365	A	4.5
7	☐	50000.000	50842.297	6487882.25	2.3630	A	1.6
8	☐	100000.00	100017.24	12416119.57	4.6294	A	1.1
9	☐	500000.00	499828.07	60804453.29	23.0565	A	0.5

$$y = 4.6090E-005 * x + 0.0197$$

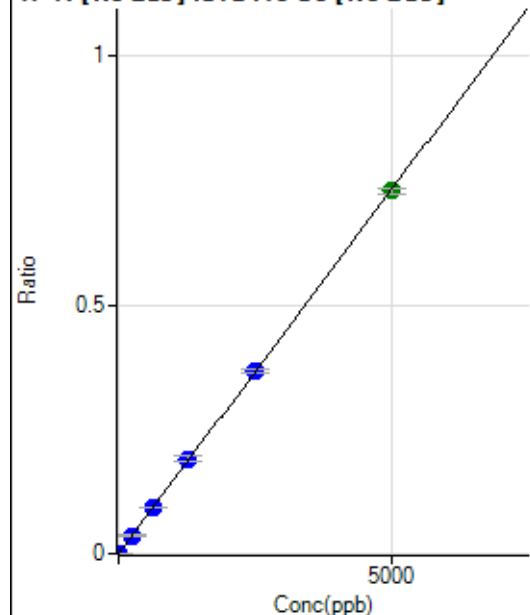
$$R = 1.0000$$

$$DL = 34.92$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	205.56	0.0001	P	11.4
2	☐	0.500	0.774	502.80	0.0002	P	9.0
3	☐	5.000	5.282	2305.81	0.0008	P	12.9
4	☐	250.000	248.256	98467.78	0.0364	P	2.0
5	☐	625.000	633.143	246183.07	0.0928	P	3.0
6	☐	1250.000	1297.865	500443.58	0.1901	P	6.7
7	☐	2500.000	2507.845	1008164.13	0.3672	P	3.0
8	☐	5000.000	4983.180	1956918.45	0.7297	A	1.5
9	☐			902.83	0.0003	P	8.4

$$y = 1.4641\text{E-}004 * x + 7.6210\text{E-}005$$

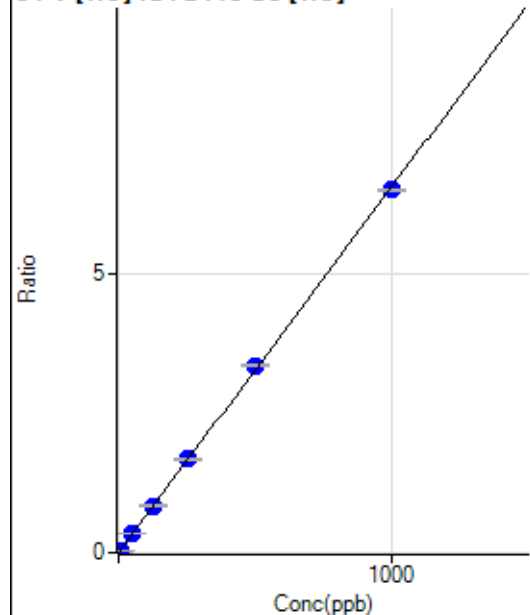
$$R = 0.9999$$

$$DL = 0.1786$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	15.56	0.0001	P	33.2
2	☐	0.500	0.502	386.68	0.0034	P	7.0
3	☐	5.000	5.262	3920.58	0.0345	P	7.0
4	☐	50.000	50.487	37396.66	0.3301	P	0.7
5	☐	125.000	127.737	93792.80	0.8351	P	6.0
6	☐	250.000	256.338	186439.79	1.6757	P	2.0
7	☐	500.000	511.770	384474.61	3.3454	P	1.1
8	☐	1000.000	992.163	743380.19	6.4855	P	0.5
9	☐			322.23	0.0028	P	8.1

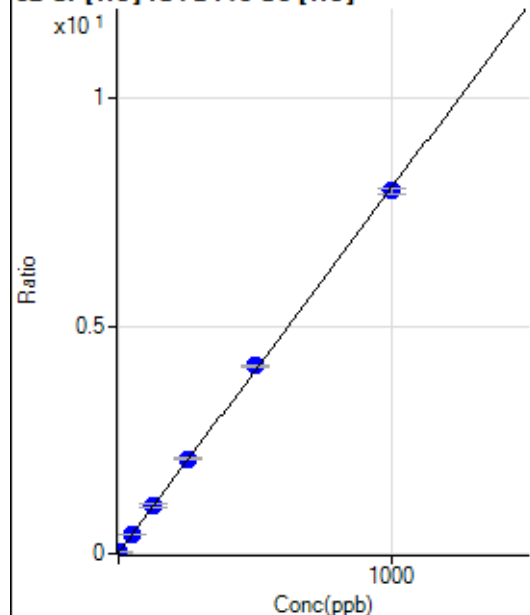
$$y = 0.0065 * x + 1.3824\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.02107$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1903.48	0.0169	P	5.5
2	☐	0.200	0.169	2060.17	0.0183	P	3.4
3	☐	2.000	1.971	3716.08	0.0327	P	3.4
4	☐	50.000	50.928	48214.25	0.4257	P	1.3
5	☐	125.000	130.550	119602.84	1.0648	P	5.6
6	☐	250.000	256.710	231140.50	2.0774	P	1.5
7	☐	500.000	511.587	473830.22	4.1231	P	1.9
8	☐	1000.000	991.789	914341.70	7.9774	P	1.8
9	☐			8056.80	0.0693	P	2.4

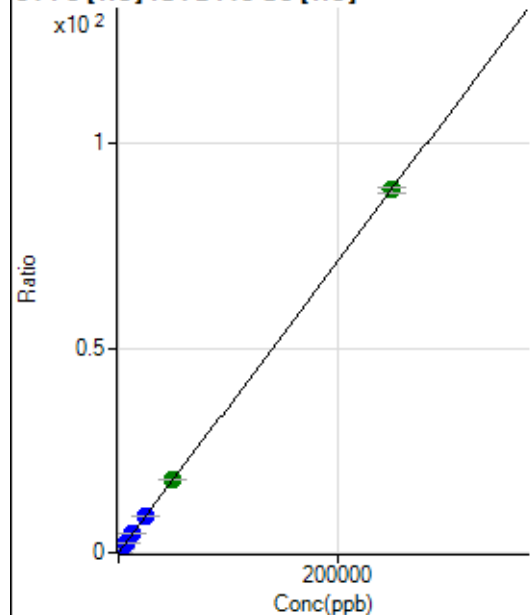
$$y = 0.0080 * x + 0.0169$$

$$R = 0.9999$$

$$DL = 0.3459$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	605.58	0.0054	P	8.6
2	☐	5.000	6.009	846.34	0.0075	P	8.7
3	☐	50.000	54.209	2796.63	0.0246	P	4.1
4	☐	2500.000	2524.993	102112.72	0.9014	P	2.5
5	☐	6250.000	6328.890	252850.52	2.2513	P	6.0
6	☐	12500.000	12724.277	503068.24	4.5207	P	0.8
7	☐	25000.000	25205.949	1028566.40	8.9500	P	1.6
8	☐	50000.000	50188.432	2042097.11	17.8153	A	1.3
9	☐	250000.00	249928.28	10310858.68	88.6952	A	1.9

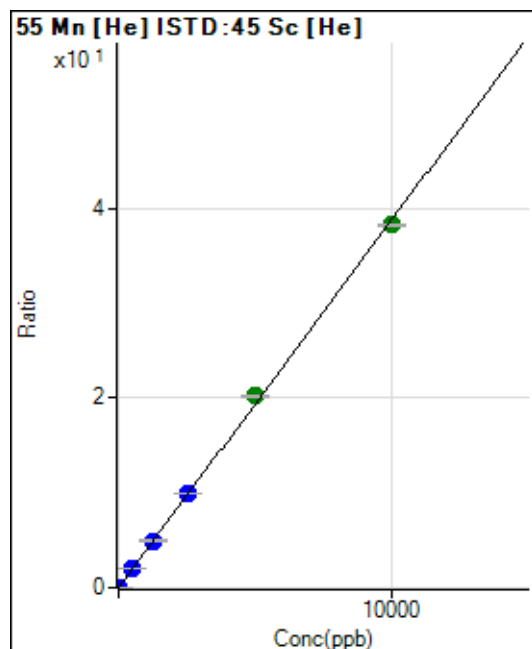
$$y = 3.5486E-004 * x + 0.0054$$

$$R = 1.0000$$

$$DL = 3.913$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	162.23	0.0014	P	13.6
2	☐	0.100	0.104	208.89	0.0018	P	18.6
3	☐	1.000	0.915	566.68	0.0050	P	3.5
4	☐	500.000	507.311	223000.27	1.9687	P	0.7
5	☐	1250.000	1277.423	556452.80	4.9551	P	6.4
6	☐	2500.000	2559.302	1104407.40	9.9260	P	1.6
7	☐	5000.000	5216.180	2324808.46	20.2289	A	1.3
8	☐	10000.000	9873.291	4388821.46	38.2883	A	0.6
9	☐			3093.70	0.0266	P	2.7

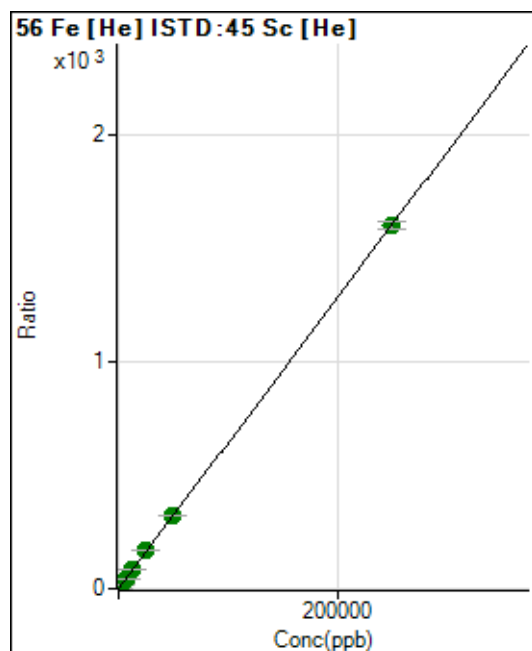
$$y = 0.0039 * x + 0.0014$$

$$R = 0.9996$$

$$DL = 0.1516$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3767.23	0.0335	P	2.4
2	☐	5.000	5.927	8057.94	0.0714	P	2.9
3	☐	50.000	50.896	40802.84	0.3591	P	1.4
4	☐	2500.000	2625.871	1907139.26	16.8346	A	1.6
5	☐	6250.000	6705.011	4821496.12	42.9342	A	6.4
6	☐	12500.000	13202.899	9402447.67	84.5097	A	2.2
7	☐	25000.000	26076.861	19179495.80	166.8813	A	1.3
8	☐	50000.000	50585.021	37101123.05	323.6921	A	1.1
9	☐	250000.00	249727.53	185750524.5	1,597.867	A	1.9

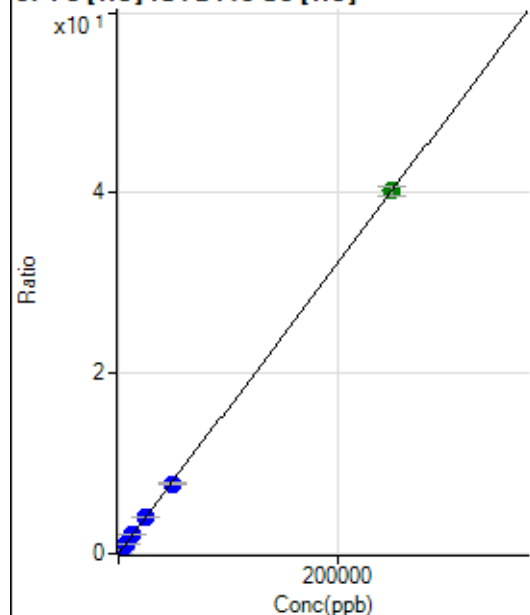
$$y = 0.0064 * x + 0.0335$$

$$R = 1.0000$$

$$DL = 0.3814$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	155.56	0.0014	P	4.5
2	☐	5.000	3.888	225.93	0.0020	P	13.1
3	☐	50.000	47.978	1033.39	0.0091	P	0.8
4	☐	2500.000	2492.190	45530.20	0.4020	P	1.4
5	☐	6250.000	6322.230	114256.20	1.0176	P	7.1
6	☐	12500.000	12790.065	228898.03	2.0572	P	1.7
7	☐	25000.000	24760.913	457561.43	3.9814	P	1.5
8	☐	50000.000	48310.768	890207.12	7.7668	P	1.3
9	☐	250000.00	250345.52	4677833.03	40.2414	A	2.4

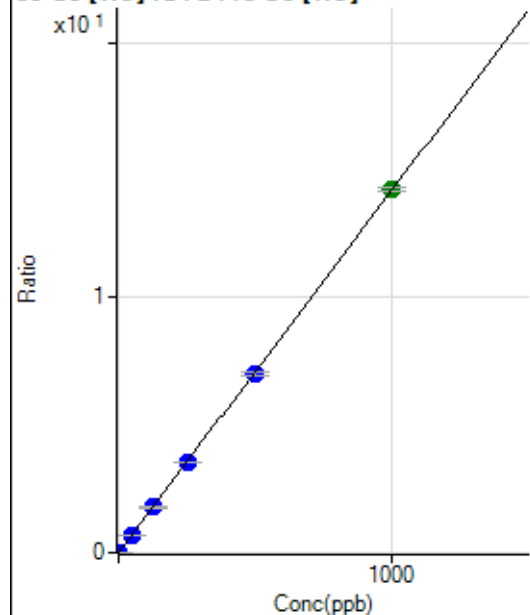
$$y = 1.6074\text{E-}004 * x + 0.0014$$

$$R = 1.0000$$

$$DL = 1.159$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	61.11	0.0005	P	33.9
2	☐	0.100	0.088	201.11	0.0018	P	7.0
3	☐	1.000	0.989	1653.44	0.0146	P	3.6
4	☐	50.000	49.911	80235.66	0.7084	P	0.6
5	☐	125.000	125.051	199246.84	1.7740	P	5.9
6	☐	250.000	250.413	395233.54	3.5518	P	0.7
7	☐	500.000	493.927	805093.84	7.0053	P	1.5
8	☐	1000.000	1002.931	1630312.96	14.2238	A	1.1
9	☐			2548.03	0.0219	P	3.9

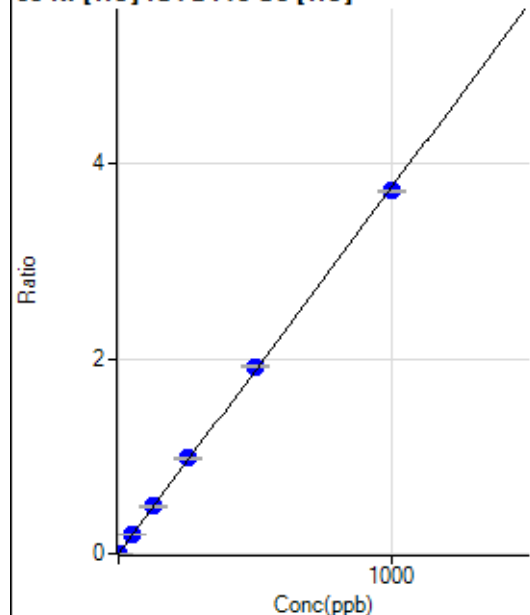
$$y = 0.0142 * x + 5.4098\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.03875$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	113.33	0.0010	P	10.6
2	☐	0.100	0.072	144.45	0.0013	P	10.9
3	☐	1.000	1.110	588.91	0.0052	P	9.3
4	☐	50.000	51.879	22187.39	0.1959	P	0.9
5	☐	125.000	129.620	54813.92	0.4879	P	4.7
6	☐	250.000	260.467	108963.39	0.9793	P	1.7
7	☐	500.000	511.449	220887.08	1.9220	P	1.2
8	☐	1000.000	990.987	426762.32	3.7231	P	0.6
9	☐			1667.89	0.0143	P	2.1

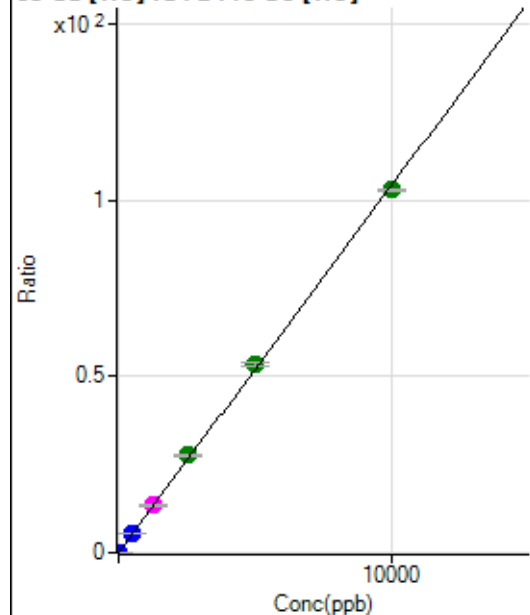
$$y = 0.0038 * x + 0.0010$$

$$R = 0.9998$$

$$DL = 0.08561$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	205.56	0.0018	P	5.7
2	☐	0.200	0.194	433.34	0.0038	P	13.5
3	☐	2.000	1.942	2506.91	0.0221	P	1.4
4	☐	500.000	505.358	596952.33	5.2700	P	0.4
5	☐	1250.000	1294.647	1516102.44	13.4981	M	6.2
6	☐	2500.000	2657.130	3082125.23	27.7016	A	1.9
7	☐	5000.000	5145.658	6164870.19	53.6438	A	1.7
8	☐	10000.000	9882.040	11808195.10	103.0191	A	0.6
9	☐			8892.85	0.0765	P	3.7

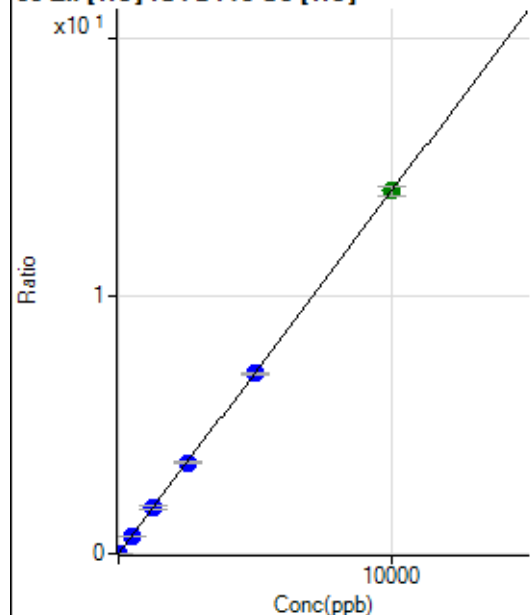
$$y = 0.0104 * x + 0.0018$$

$$R = 0.9997$$

$$DL = 0.02974$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	242.23	0.0022	P	8.4
2	☒	0.200					
3	☐	2.000	2.475	640.02	0.0056	P	9.1
4	☐	500.000	501.433	80266.75	0.7086	P	0.3
5	☐	1250.000	1264.986	200443.90	1.7844	P	5.3
6	☐	2500.000	2514.465	394381.95	3.5447	P	2.2
7	☐	5000.000	4973.974	805610.26	7.0098	P	1.3
8	☐	10000.000	10007.452	1616268.69	14.1014	A	2.4
9	☐			4977.59	0.0428	P	2.1

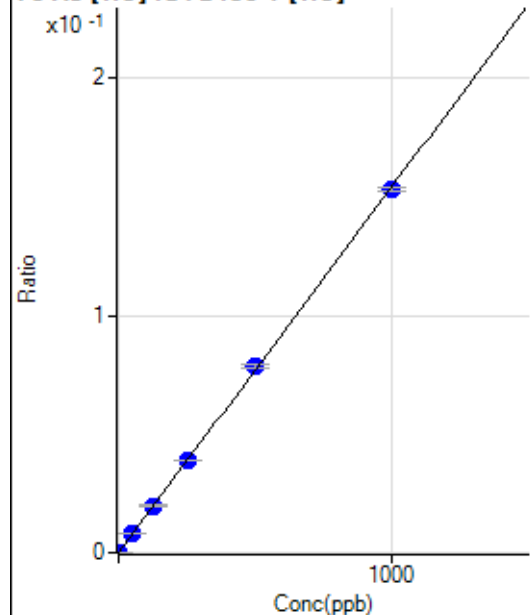
$$y = 0.0014 * x + 0.0022$$

$$R = 1.0000$$

$$DL = 0.3862$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	9.67	0.0000	P	47.9
2	☐	0.100	0.073	18.00	0.0000	P	37.8
3	☐	1.000	1.024	124.68	0.0002	P	7.2
4	☐	50.000	50.413	5671.05	0.0078	P	1.4
5	☐	125.000	127.222	14209.89	0.0196	P	5.4
6	☐	250.000	253.705	28134.69	0.0391	P	1.1
7	☐	500.000	511.716	58104.11	0.0788	P	1.8
8	☐	1000.000	992.917	113042.92	0.1529	P	0.9
9	☐			64.01	0.0001	P	2.4

$$y = 1.5396E-004 * x + 1.3486E-005$$

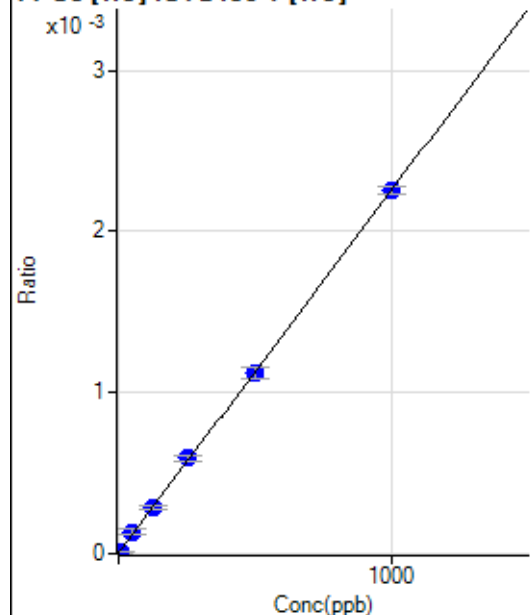
$$R = 0.9999$$

$$DL = 0.126$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	3.33	0.0000	P	0.9
2	☐	0.500	-0.015	3.33	0.0000	P	3.0
3	☐	5.000	4.004	10.00	0.0000	P	57.3
4	☐	50.000	58.779	100.00	0.0001	P	22.6
5	☐	125.000	124.040	205.56	0.0003	P	9.0
6	☐	250.000	261.304	426.68	0.0006	P	6.3
7	☐	500.000	497.353	828.92	0.0011	P	6.9
8	☐	1000.000	998.184	1664.56	0.0023	P	2.0
9	☐			4.45	0.0000	P	86.6

$$y = 2.2507\text{E-}006 * x + 4.6436\text{E-}006$$

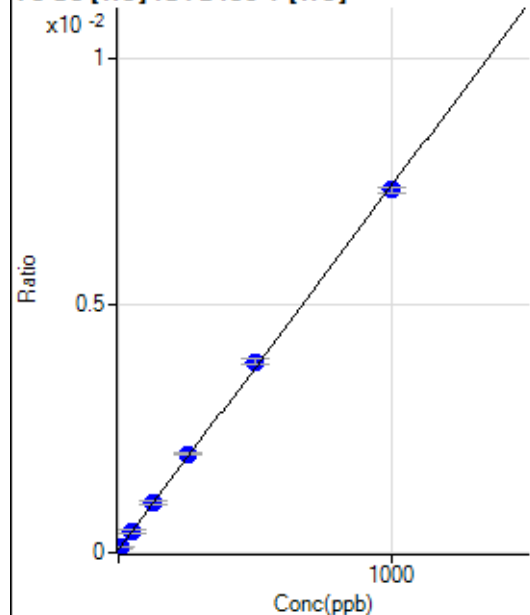
$$R = 0.9999$$

$$DL = 0.05616$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	46.67	0.0001	P	19.7
2	☐	0.500	0.155	47.67	0.0001	P	21.0
3	☐	5.000	5.475	76.68	0.0001	P	9.2
4	☐	50.000	48.578	308.03	0.0004	P	13.4
5	☐	125.000	127.435	725.43	0.0010	P	7.4
6	☐	250.000	261.635	1430.55	0.0020	P	2.1
7	☐	500.000	516.370	2844.91	0.0039	P	2.5
8	☐	1000.000	988.671	5418.26	0.0073	P	1.4
9	☐			53.34	0.0001	P	8.6

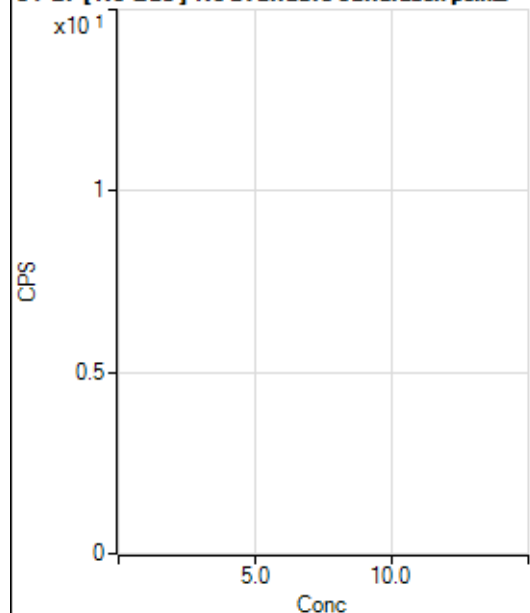
$$y = 7.3455\text{E-}006 * x + 6.5073\text{E-}005$$

$$R = 0.9997$$

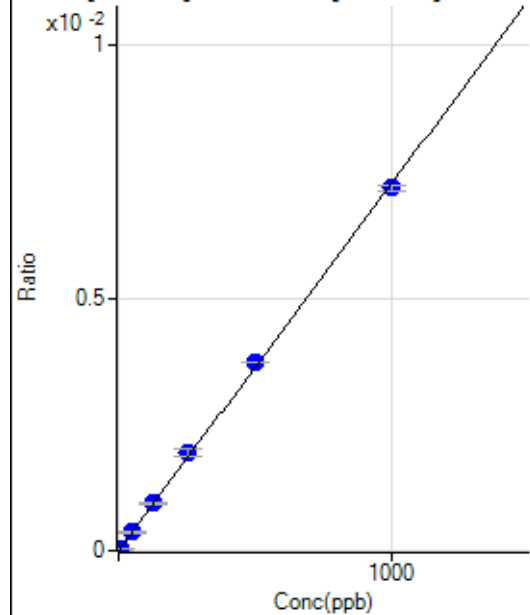
$$DL = 5.237$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			2339.28		P	7.6
2	☐			2285.88		P	1.0
3	☐			2392.68		P	2.2
4	☐			2169.07		P	0.3
5	☐			2065.63		P	8.3
6	☐			2045.59		P	4.2
7	☐			2109.01		P	5.3
8	☐			2302.59		P	7.7
9	☐			2372.65		P	1.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	-9.81	0.0000	P	-1199.
2	☒	0.500					
3	☐	5.000	4.725	177.34	0.0000	P	17.2
4	☐	50.000	50.165	2016.64	0.0004	P	4.5
5	☐	125.000	128.701	5059.63	0.0009	P	1.6
6	☐	250.000	266.900	10276.49	0.0019	P	6.2
7	☐	500.000	513.133	20557.34	0.0037	P	0.5
8	☐	1000.000	988.739	39804.20	0.0072	P	1.8
9	☐			139.10	0.0000	P	57.4

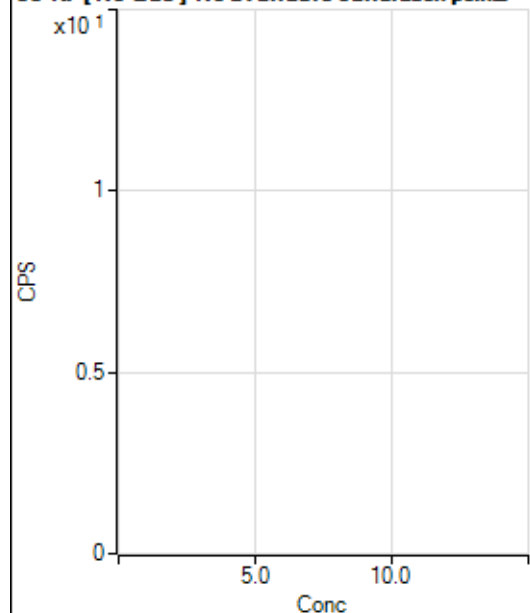
$$y = 7.2699E-006 * x - 2.1212E-006$$

$$R = 0.9997$$

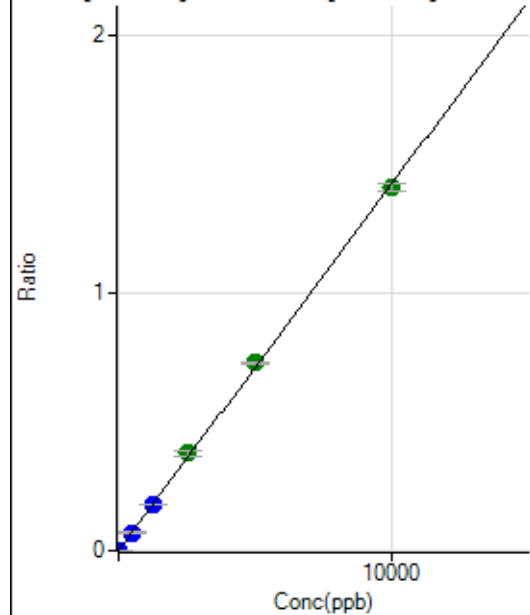
$$DL = 10.5$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			1982.38		P	6.9
2	☐			1982.39		P	4.7
3	☐			2159.08		P	2.7
4	☐			2031.28		P	5.8
5	☐			2070.18		P	5.0
6	☐			2074.62		P	7.8
7	☐			2080.18		P	4.0
8	☐			1991.28		P	6.0
9	☐			1911.26		P	4.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3172.67	0.0006	P	3.6
2	☐	0.100	0.219	3397.72	0.0006	P	7.6
3	☐	1.000	1.076	4106.28	0.0007	P	3.0
4	☐	500.000	488.822	389808.71	0.0701	P	4.2
5	☐	1250.000	1260.369	974542.39	0.1798	P	1.3
6	☐	2500.000	2652.909	2001656.73	0.3778	A	7.1
7	☐	5000.000	5123.951	4020912.55	0.7292	A	1.4
8	☐	10000.000	9899.060	7799280.64	1.4081	A	2.2
9	☐			5934.76	0.0011	P	2.2

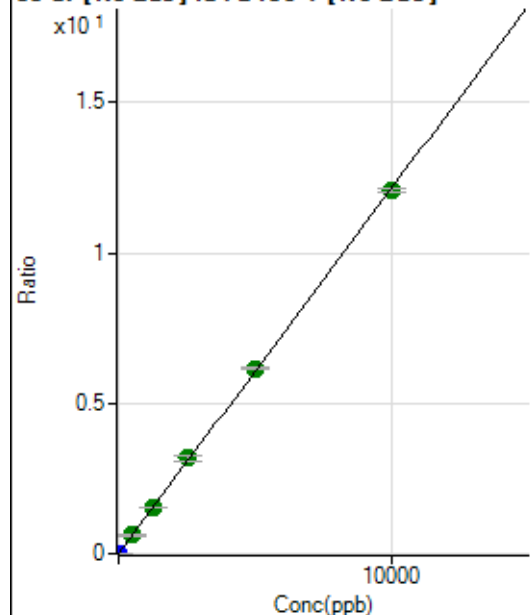
$$y = 1.4219E-004 * x + 5.9335E-004$$

$$R = 0.9997$$

$$DL = 0.4453$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	244.45	0.0000	P	12.0
2	☐	0.100	0.097	891.72	0.0002	P	13.0
3	☐	1.000	1.008	6988.04	0.0013	P	3.5
4	☐	500.000	503.301	3400791.87	0.6114	A	2.6
5	☐	1250.000	1266.212	8336681.26	1.5381	A	0.7
6	☐	2500.000	2612.413	16810697.08	3.1733	A	7.4
7	☐	5000.000	5075.985	33998857.36	6.1657	A	0.9
8	☐	10000.000	9931.713	66826507.74	12.0639	A	1.0
9	☐			22766.21	0.0043	P	3.0

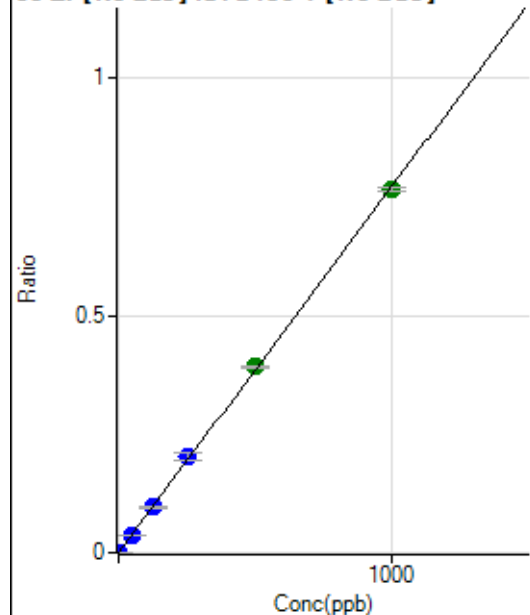
$$y = 0.0012 * x + 4.5666E-005$$

$$R = 0.9999$$

$$DL = 0.01351$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	319.46	0.0001	P	11.5
2	☐	0.100	0.077	650.04	0.0001	P	12.3
3	☐	1.000	1.019	4650.91	0.0008	P	5.7
4	☐	50.000	48.709	209157.28	0.0376	P	4.1
5	☐	125.000	123.682	517138.24	0.0954	P	0.7
6	☐	250.000	263.158	1075475.27	0.2029	P	6.7
7	☐	500.000	509.681	2166991.02	0.3930	A	1.0
8	☐	1000.000	992.099	4236982.73	0.7649	A	1.1
9	☐			1316.77	0.0002	P	12.2

$$y = 7.7095E-004 * x + 5.9836E-005$$

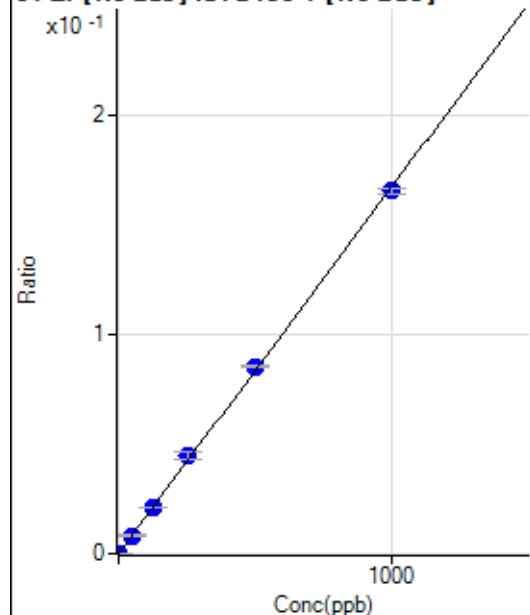
$$R = 0.9998$$

$$DL = 0.02668$$

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	50.00	0.0000	P	73.4
2	☐	0.100	0.136	175.01	0.0000	P	3.6
3	☐	1.000	1.079	1044.51	0.0002	P	11.4
4	☐	50.000	49.550	46199.53	0.0083	P	4.5
5	☐	125.000	125.396	113889.33	0.0210	P	1.3
6	☐	250.000	268.635	238480.07	0.0450	P	6.7
7	☐	500.000	510.309	471347.03	0.0855	P	0.7
8	☐	1000.000	990.160	918625.49	0.1659	P	1.7
9	☐			313.90	0.0001	P	14.5

$$y = 1.6749\text{E-}004 * x + 9.3958\text{E-}006$$

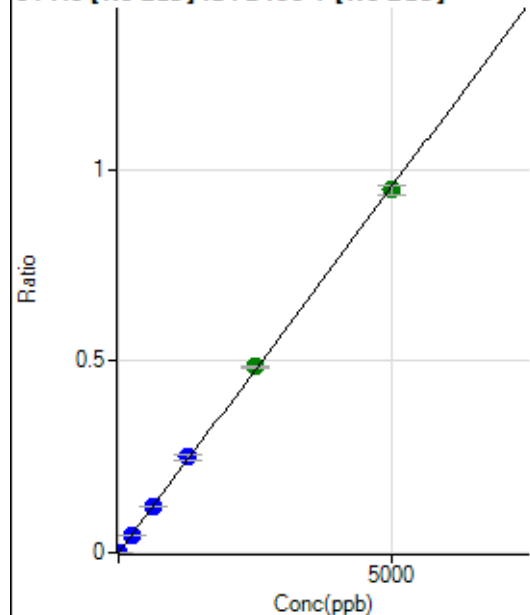
$$R = 0.9997$$

$$DL = 0.1235$$

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	147.23	0.0000	P	23.3
2	☐	0.500	0.463	630.59	0.0001	P	7.2
3	☐	5.000	4.870	5262.24	0.0010	P	3.2
4	☐	250.000	244.674	259759.42	0.0467	P	2.8
5	☐	625.000	630.517	652088.81	0.1203	P	1.0
6	☐	1250.000	1307.193	1321543.54	0.2494	P	6.7
7	☐	2500.000	2545.470	2677736.78	0.4856	A	0.8
8	☐	5000.000	4962.543	5243095.56	0.9467	A	2.5
9	☐			2097.43	0.0004	P	10.9

$$y = 1.9076\text{E-}004 * x + 2.7521\text{E-}005$$

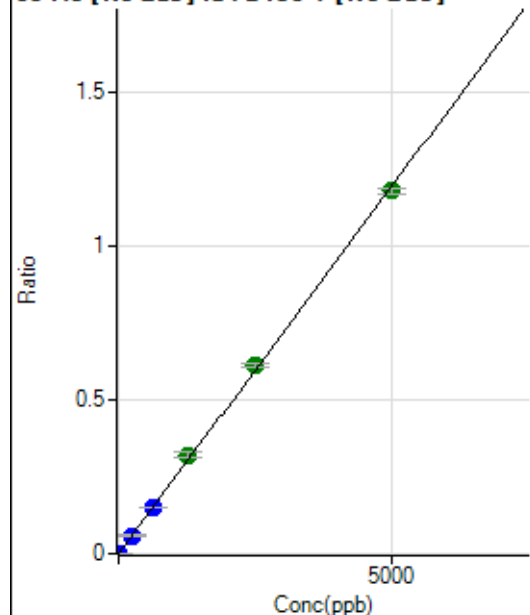
$$R = 0.9999$$

$$DL = 0.1007$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	19.45	0.0000	P	109.0
2	☐	0.500	0.487	652.81	0.0001	P	3.7
3	☐	5.000	4.728	6232.12	0.0011	P	6.2
4	☐	250.000	247.600	328974.91	0.0592	P	3.5
5	☐	625.000	626.903	811753.76	0.1498	P	1.0
6	☐	1250.000	1344.027	1701635.07	0.3211	A	6.4
7	☐	2500.000	2568.321	3383119.48	0.6136	A	1.4
8	☐	5000.000	4942.215	6540121.28	1.1807	A	1.5
9	☐			2675.33	0.0005	P	7.5

$$y = 2.3889\text{E-}004 * x + 3.6467\text{E-}006$$

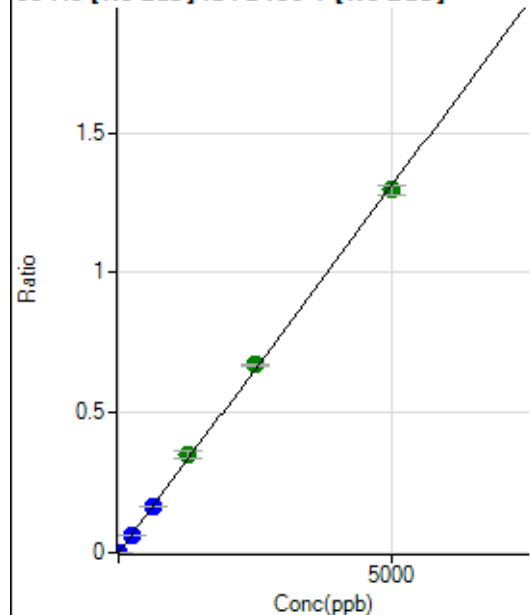
$$R = 0.9997$$

$$DL = 0.0499$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	127.78	0.0000	P	51.0
2	☐	0.500	0.440	755.60	0.0001	P	16.6
3	☐	5.000	4.897	7190.98	0.0013	P	2.9
4	☐	250.000	243.433	354762.14	0.0638	P	4.4
5	☐	625.000	623.742	885811.98	0.1634	P	0.5
6	☐	1250.000	1339.193	1858834.39	0.3509	A	7.6
7	☐	2500.000	2566.714	3708075.00	0.6724	A	1.1
8	☐	5000.000	4944.831	7174841.92	1.2955	A	2.5
9	☐			3639.46	0.0007	P	8.1

$$y = 2.6198\text{E-}004 * x + 2.3798\text{E-}005$$

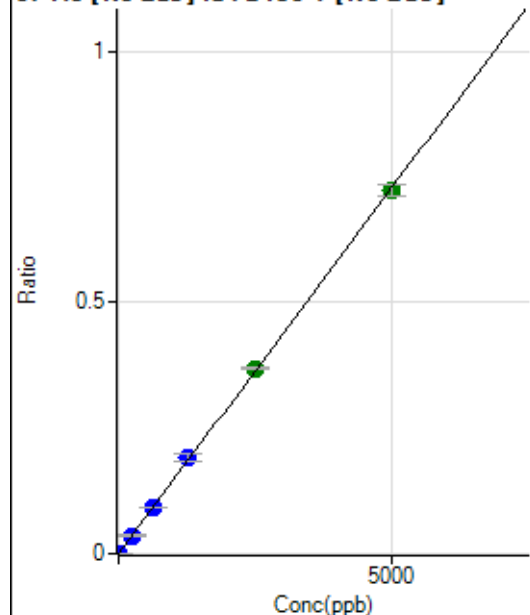
$$R = 0.9997$$

$$DL = 0.139$$

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	30.56	0.0000	P	84.4
2	☐	0.500	0.444	383.35	0.0001	P	7.6
3	☐	5.000	4.659	3761.71	0.0007	P	2.6
4	☐	250.000	244.603	197944.08	0.0356	P	5.1
5	☐	625.000	630.254	497119.06	0.0917	P	0.4
6	☐	1250.000	1322.839	1019710.55	0.1925	P	7.7
7	☐	2500.000	2536.756	2035602.11	0.3691	A	1.2
8	☐	5000.000	4963.026	4000145.36	0.7222	A	3.1
9	☐			1811.28	0.0003	P	10.6

$$y = 1.4552\text{E-}004 * x + 5.7311\text{E-}006$$

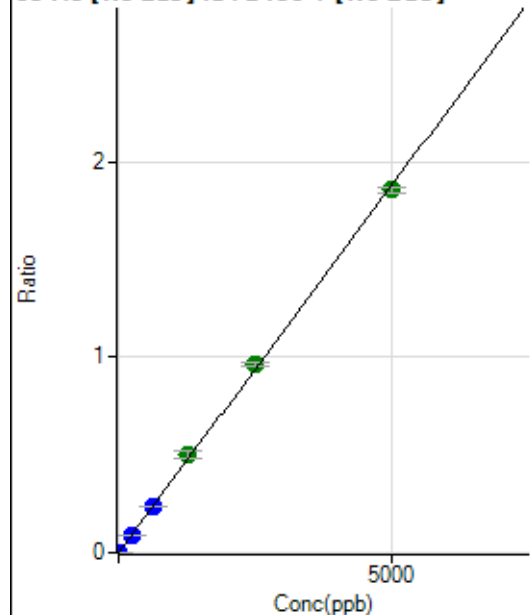
$$R = 0.9998$$

$$DL = 0.09967$$

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	58.33	0.0000	P	29.0
2	☐	0.500	0.453	986.17	0.0002	P	6.8
3	☐	5.000	4.951	10301.33	0.0019	P	1.8
4	☐	250.000	242.122	506135.35	0.0910	P	3.4
5	☐	625.000	622.073	1267172.66	0.2338	P	0.5
6	☐	1250.000	1332.055	2652006.37	0.5006	A	7.7
7	☐	2500.000	2574.410	5334578.68	0.9675	A	1.7
8	☐	5000.000	4943.041	10291292.50	1.8576	A	1.9
9	☐			4170.19	0.0008	P	9.7

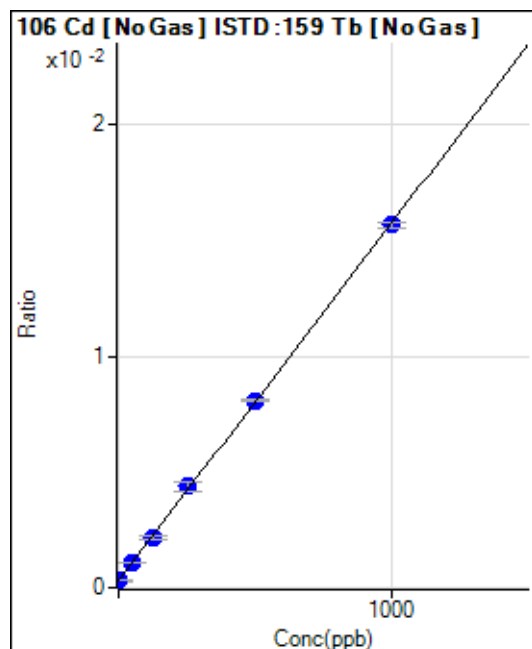
$$y = 3.7581\text{E-}004 * x + 1.0917\text{E-}005$$

$$R = 0.9997$$

$$DL = 0.02528$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1111.19	0.0003	P	14.5
2	☐	0.100	-0.498	1105.63	0.0003	P	12.1
3	☐	1.000	-0.169	1125.07	0.0003	P	7.3
4	☐	50.000	49.204	3920.12	0.0011	P	2.3
5	☐	125.000	120.385	7888.57	0.0022	P	6.0
6	☐	250.000	263.599	15534.12	0.0044	P	8.5
7	☐	500.000	504.280	30050.17	0.0081	P	1.1
8	☐	1000.000	995.078	57375.60	0.0157	P	1.7
9	☐			1019.51	0.0003	P	7.4

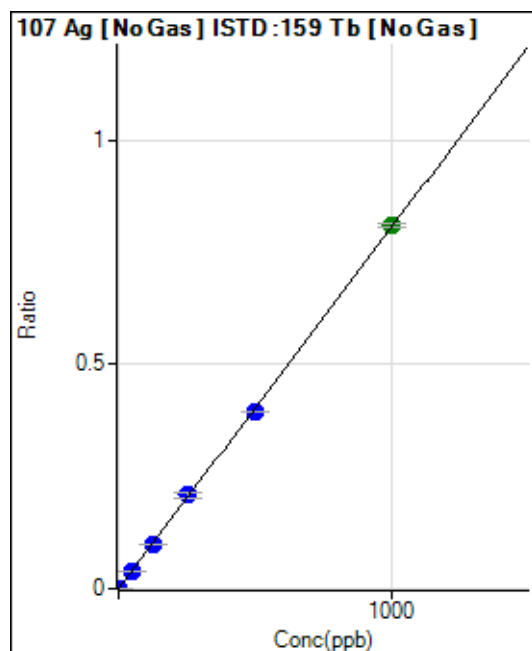
$$y = 1.5458\text{E-}005 * x + 3.0758\text{E-}004$$

$$R = 0.9999$$

$$DL = 8.664$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	22.22	0.0000	P	21.1
2	☐	0.100	0.085	275.01	0.0001	P	24.0
3	☐	1.000	0.954	2861.49	0.0008	P	4.5
4	☐	50.000	48.867	144587.55	0.0394	P	2.7
5	☐	125.000	123.656	362541.15	0.0997	P	1.6
6	☐	250.000	259.274	741452.36	0.2090	P	6.1
7	☐	500.000	488.370	1460013.36	0.3937	P	0.5
8	☐	1000.000	1003.721	2959026.09	0.8091	A	0.9
9	☐			1013.95	0.0003	P	6.6

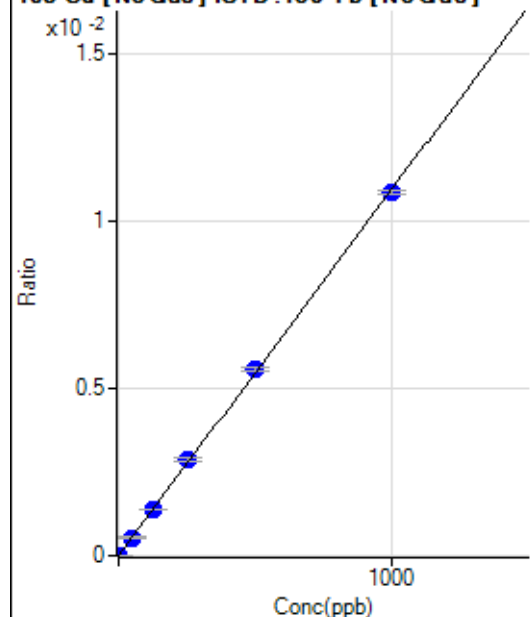
$$y = 8.0609\text{E-}004 * x + 6.1493\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.004818$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	8.33	0.0000	P	99.6
2	☐	0.100	-0.039	6.94	0.0000	P	92.9
3	☐	1.000	1.030	50.00	0.0000	P	15.3
4	☐	50.000	48.734	1961.28	0.0005	P	4.1
5	☐	125.000	126.140	5017.64	0.0014	P	2.0
6	☐	250.000	262.632	10190.00	0.0029	P	4.7
7	☐	500.000	510.675	20692.02	0.0056	P	2.5
8	☐	1000.000	991.425	39601.28	0.0108	P	1.0
9	☐			33.33	0.0000	P	35.9

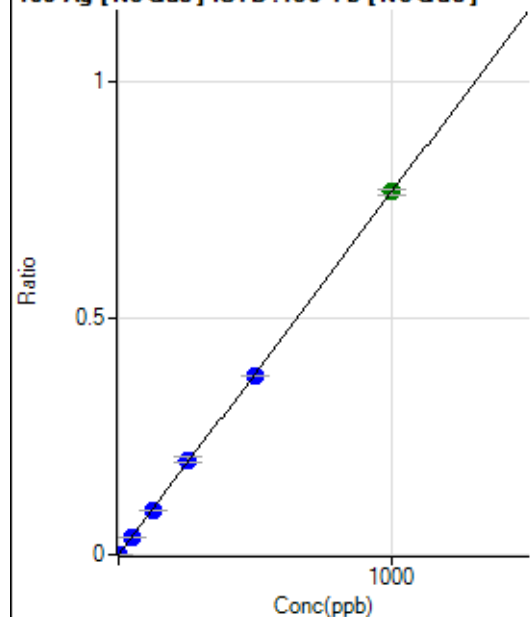
$$y = 1.0919\text{E-}005 * x + 2.3082\text{E-}006$$

$$R = 0.9998$$

$$DL = 0.6317$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	11.11	0.0000	P	114.6
2	☐	0.100	0.095	277.79	0.0001	P	14.8
3	☐	1.000	0.976	2772.58	0.0008	P	8.8
4	☐	50.000	49.263	138745.52	0.0378	P	1.7
5	☐	125.000	124.047	346275.39	0.0952	P	0.3
6	☐	250.000	262.147	713822.11	0.2012	P	5.5
7	☐	500.000	493.032	1403157.05	0.3783	P	0.6
8	☐	1000.000	1000.603	2807671.07	0.7678	A	1.9
9	☐			1022.29	0.0003	P	11.1

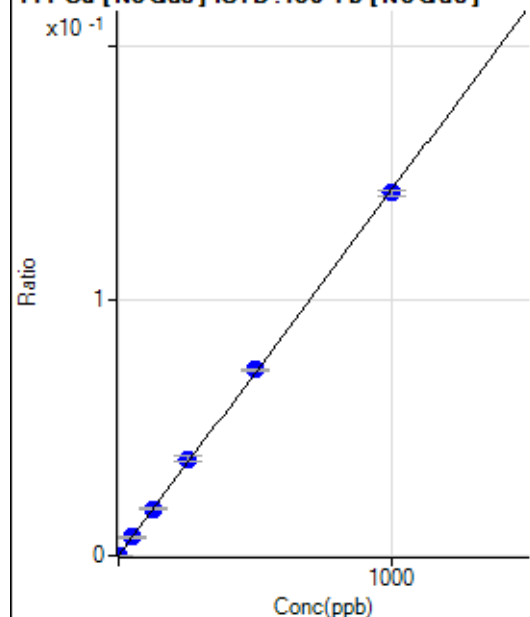
$$y = 7.6738\text{E-}004 * x + 3.0649\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.01373$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	234.46	0.0001	P	14.9
2	☐	0.100	0.093	288.49	0.0001	P	9.2
3	☐	1.000	1.013	774.76	0.0002	P	7.8
4	☐	50.000	50.155	26610.36	0.0073	P	3.2
5	☐	125.000	127.775	66829.08	0.0184	P	1.9
6	☐	250.000	264.657	134703.49	0.0380	P	7.0
7	☐	500.000	507.412	269849.02	0.0728	P	0.7
8	☐	1000.000	992.275	520077.47	0.1422	P	1.9
9	☐			373.63	0.0001	P	15.3

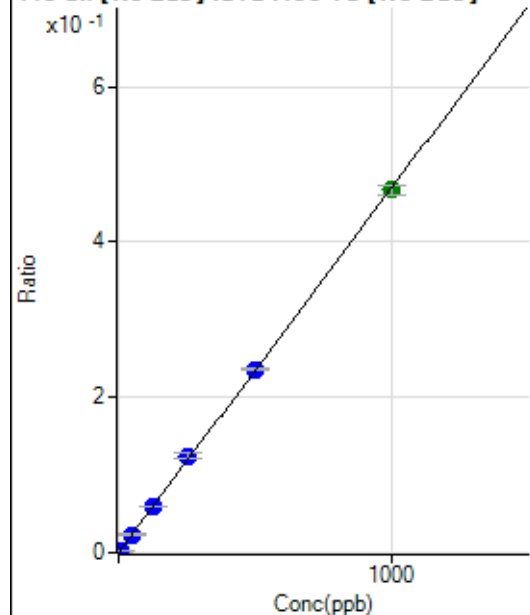
$$y = 1.4327E-004 * x + 6.4895E-005$$

$$R = 0.9998$$

$$DL = 0.2025$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	416.69	0.0001	P	9.7
2	☐	0.500	0.442	1186.19	0.0003	P	9.6
3	☐	5.000	4.946	8986.53	0.0024	P	5.1
4	☐	50.000	49.623	85883.39	0.0234	P	2.0
5	☐	125.000	125.440	214499.99	0.0590	P	2.0
6	☐	250.000	265.625	442692.98	0.1248	P	5.8
7	☐	500.000	502.044	874166.36	0.2357	P	0.7
8	☐	1000.000	995.036	1707619.44	0.4671	A	2.7
9	☐			2022.43	0.0006	P	5.0

$$y = 4.6927E-004 * x + 1.1545E-004$$

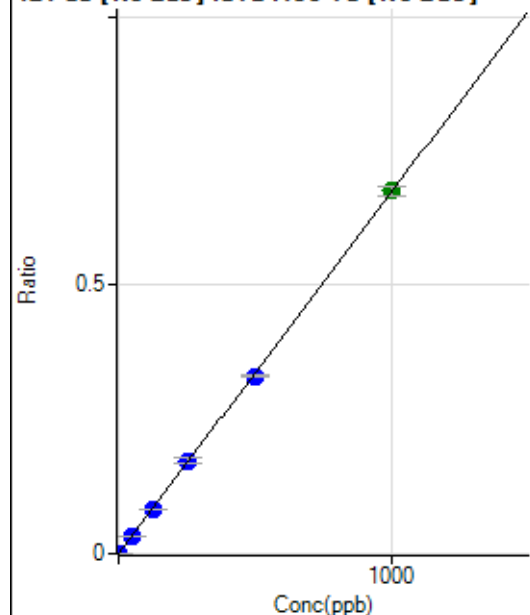
$$R = 0.9999$$

$$DL = 0.07165$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	13.89	0.0000	P	91.9
2	☐	0.200	0.161	413.91	0.0001	P	19.7
3	☐	2.000	1.942	4837.09	0.0013	P	6.9
4	☐	50.000	48.348	119518.08	0.0326	P	2.7
5	☐	125.000	122.318	299661.90	0.0824	P	0.8
6	☐	250.000	256.875	613910.41	0.1730	P	5.3
7	☐	500.000	490.595	1225326.10	0.3304	P	0.8
8	☐	1000.000	1003.402	2470784.69	0.6758	A	2.6
9	☐			1800.18	0.0005	P	6.7

$$y = 6.7350E-004 * x + 3.8597E-006$$

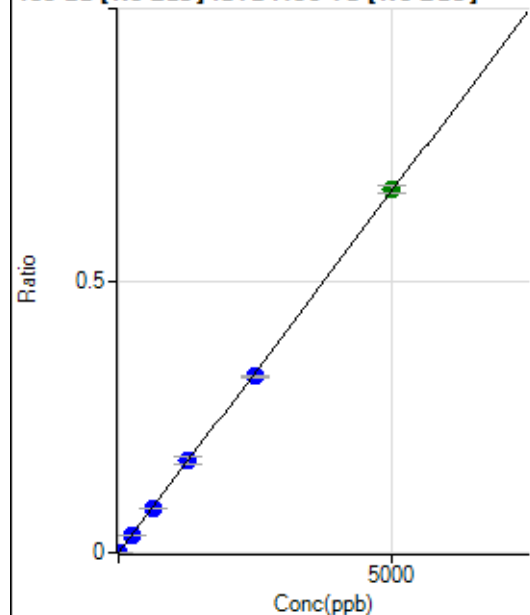
$$R = 0.9999$$

$$DL = 0.01581$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	22.22	0.0000	P	21.9
2	☐	1.000	0.913	469.46	0.0001	P	5.9
3	☐	10.000	10.110	4978.83	0.0013	P	4.6
4	☐	250.000	244.598	119320.88	0.0325	P	1.9
5	☐	625.000	610.004	294929.27	0.0811	P	1.2
6	☐	1250.000	1278.009	602382.66	0.1699	P	7.0
7	☐	2500.000	2443.363	1204363.51	0.3247	P	1.1
8	☐	5000.000	5023.460	2441075.92	0.6676	A	2.2
9	☐			1225.09	0.0003	P	9.6

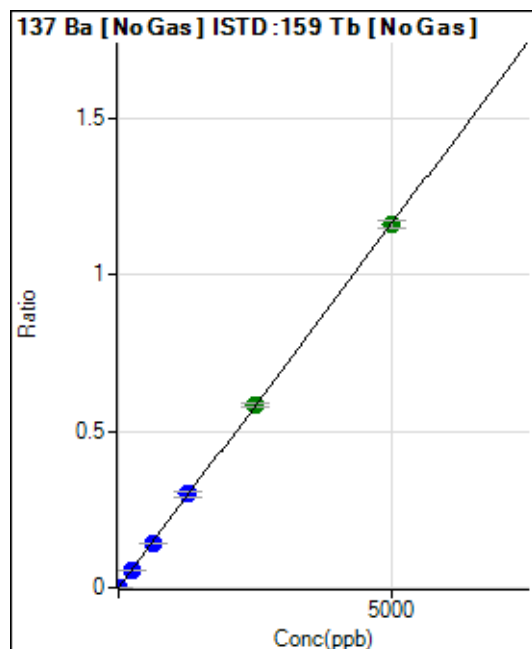
$$y = 1.3290E-004 * x + 6.1586E-006$$

$$R = 0.9999$$

$$DL = 0.03051$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	44.45	0.0000	P	46.9
2	☐	1.000	0.912	825.05	0.0002	P	9.2
3	☐	10.000	9.898	8533.46	0.0023	P	8.1
4	☐	250.000	243.145	207585.77	0.0566	P	1.9
5	☐	625.000	611.585	517412.94	0.1423	P	1.3
6	☐	1250.000	1289.750	1064173.02	0.3000	P	6.3
7	☐	2500.000	2515.758	2170259.66	0.5851	A	1.7
8	☐	5000.000	4984.203	4238997.58	1.1593	A	2.0
9	☐			2097.45	0.0006	P	1.2

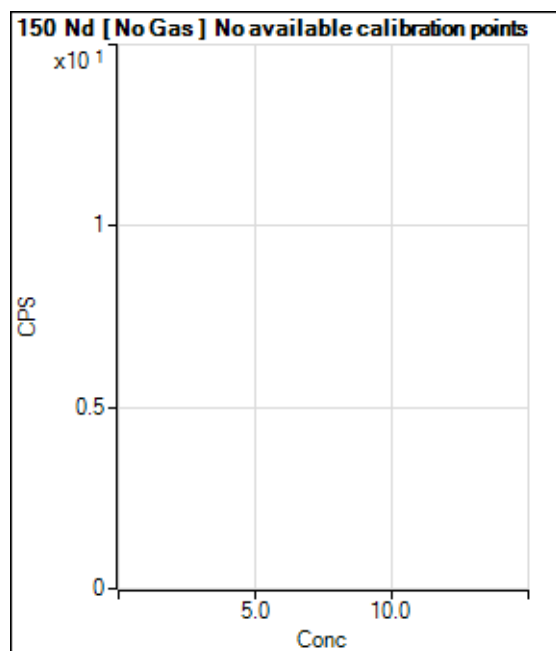
$$y = 2.3258E-004 * x + 1.2308E-005$$

$$R = 0.9999$$

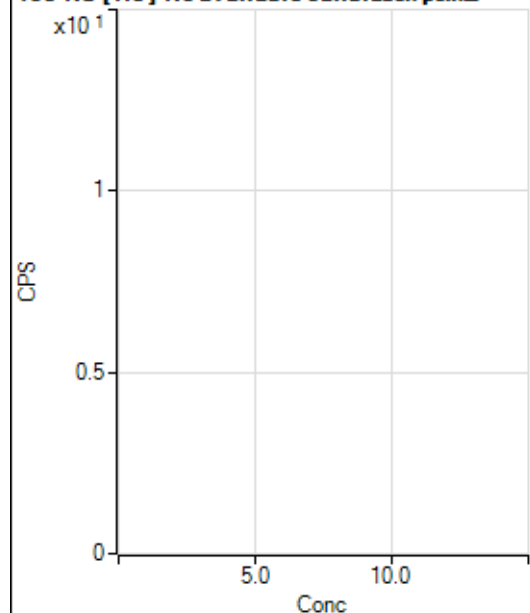
$$DL = 0.07452$$

Weight: <None>

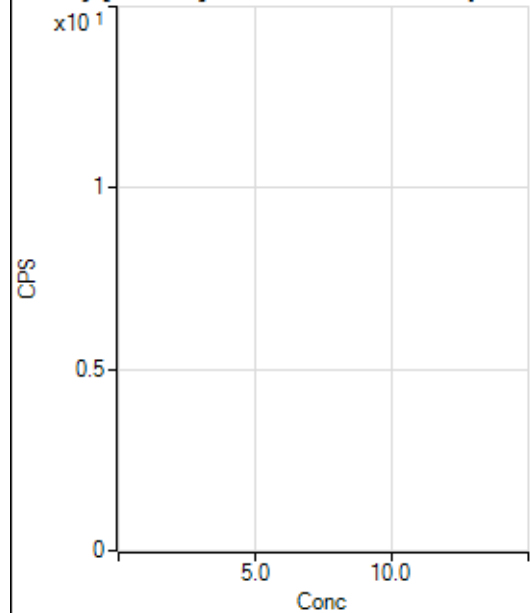
Min Conc: 0



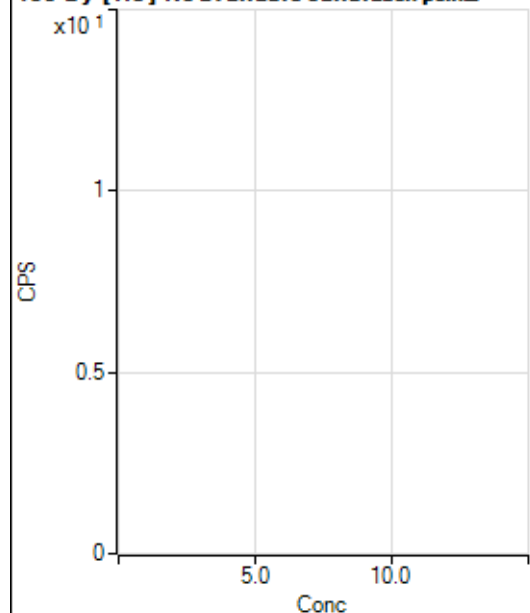
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			4.45		P	86.6
2	☐			6.67		P	100.0
3	☐			0.00		P	
4	☐			13.34		P	86.6
5	☐			11.11		P	91.7
6	☐			31.11		P	44.6
7	☐			22.22		P	45.8
8	☐			55.56		P	30.2
9	☐			26.67		P	90.1

150 Nd [He] No available calibration points

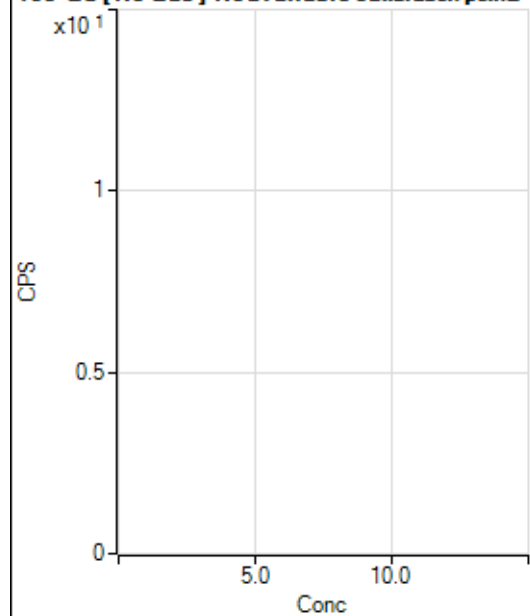
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			0.00		P	
2	☐			1.11		P	173.2
3	☐			0.00		P	
4	☐			3.33		P	100.1
5	☐			0.00		P	
6	☐			2.22		P	86.6
7	☐			3.33		P	100.1
8	☐			5.55		P	124.9
9	☐			11.11		P	75.5

156 Dy [No Gas] No available calibration points

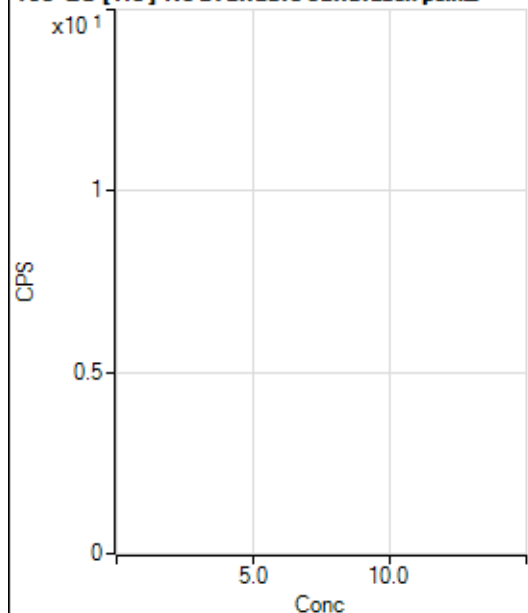
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			11.11		P	114.6
2	☐			11.11		P	43.3
3	☐			11.11		P	114.6
4	☐			11.11		P	114.6
5	☐			13.89		P	34.7
6	☐			41.67		P	40.0
7	☐			66.67		P	37.5
8	☐			155.56		P	11.2
9	☐			488.91		P	5.2

156 Dy [He] No available calibration points

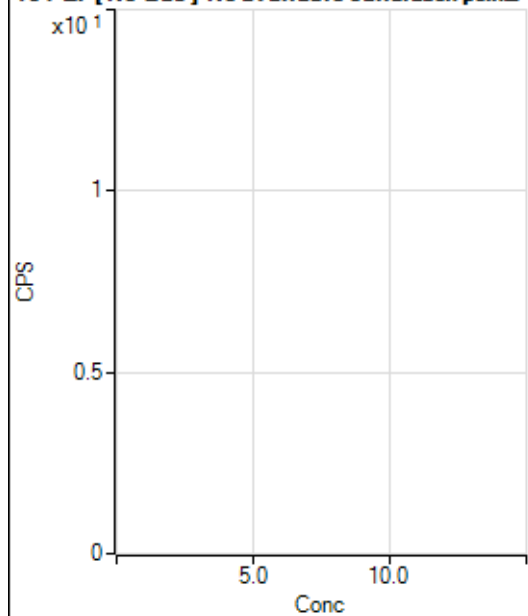
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			0.00		P	
2	☐			0.00		P	
3	☐			3.33		P	100.1
4	☐			4.44		P	43.4
5	☐			4.45		P	86.6
6	☐			20.00		P	28.9
7	☐			36.67		P	9.1
8	☐			75.55		P	17.8
9	☐			348.90		P	13.3

160 Gd [No Gas] Noavailable calibration poin_

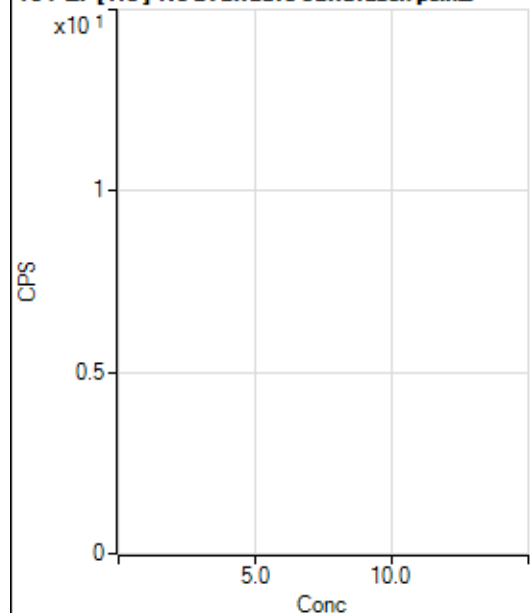
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			22.22		P	78.1
2	☐			36.11		P	70.5
3	☐			38.89		P	24.7
4	☐			41.67		P	20.0
5	☐			41.67		P	40.0
6	☐			58.34		P	49.5
7	☐			105.56		P	19.9
8	☐			116.67		P	39.8
9	☐			502.80		P	2.5

160 Gd [He] No available calibration points

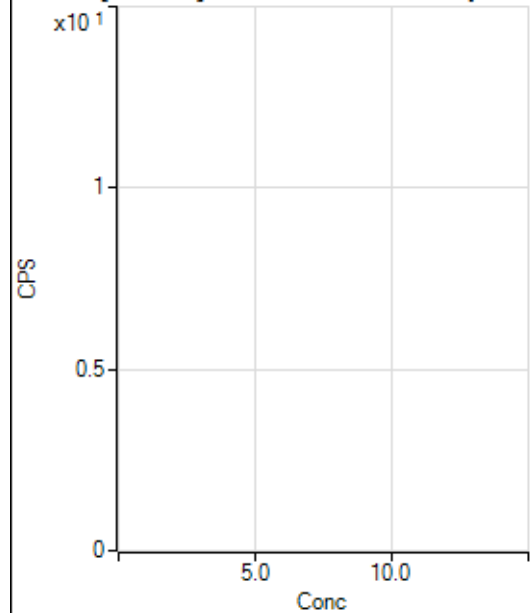
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			10.00		P	33.3
2	☐			10.00		P	57.8
3	☐			8.89		P	57.3
4	☐			10.00		P	88.2
5	☐			18.89		P	44.4
6	☐			18.89		P	36.7
7	☐			45.55		P	8.5
8	☐			58.89		P	13.1
9	☐			323.34		P	15.3

164 Er [No Gas] No available calibration points

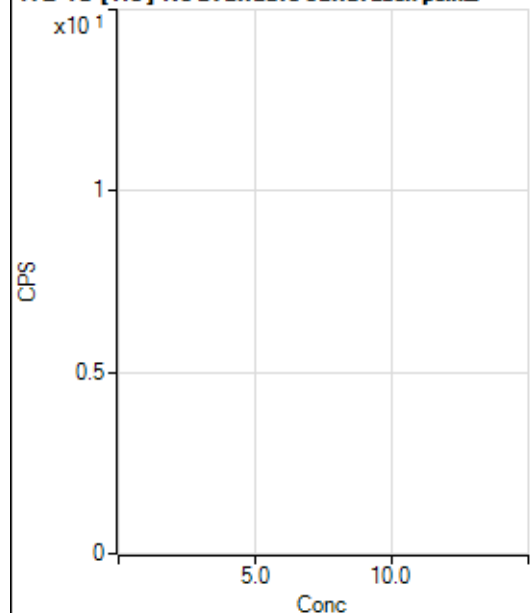
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			38.89		P	49.5
2	☐			30.55		P	15.7
3	☐			33.33		P	66.1
4	☐			25.00		P	57.7
5	☐			16.67		P	132.3
6	☐			19.44		P	49.5
7	☐			44.45		P	47.2
8	☐			61.11		P	28.4
9	☐			105.56		P	12.1

164 Er [He] No available calibration points

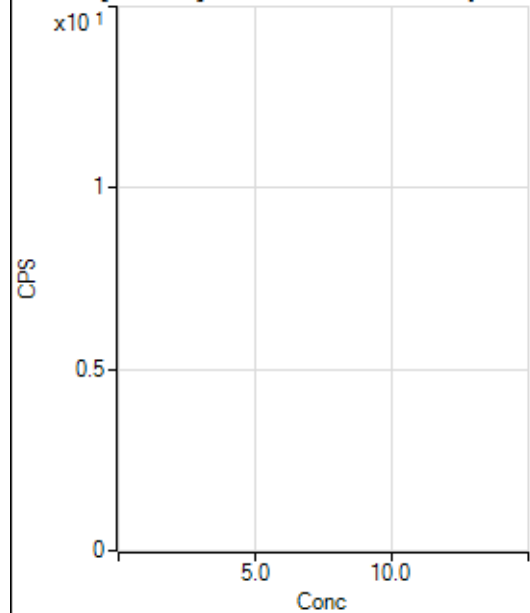
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			16.67		P	69.3
2	☐			5.55		P	69.3
3	☐			13.33		P	66.1
4	☐			11.11		P	86.6
5	☐			13.33		P	66.1
6	☐			13.33		P	25.0
7	☐			15.55		P	44.6
8	☐			12.22		P	63.0
9	☐			56.67		P	15.6

172 Yb [No Gas] No available calibration points

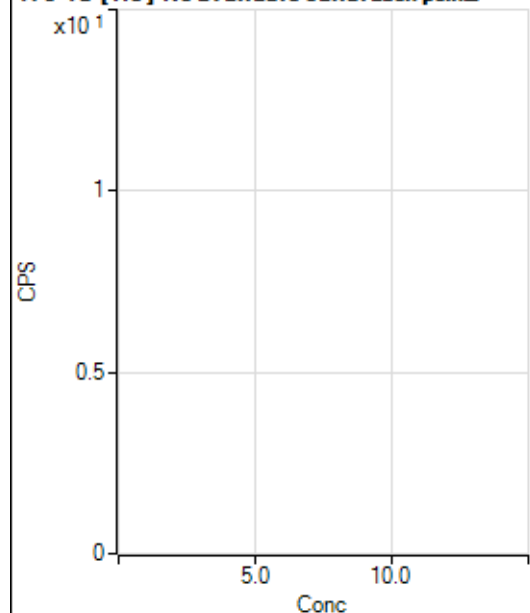
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			16.67		P	NaN
2	☐			11.11		P	43.3
3	☐			13.89		P	69.3
4	☐			8.33		P	100.0
5	☐			5.56		P	173.2
6	☐			8.33		P	100.0
7	☐			36.11		P	35.3
8	☐			22.22		P	78.1
9	☐			19.44		P	65.5

172 Yb [He] No available calibration points

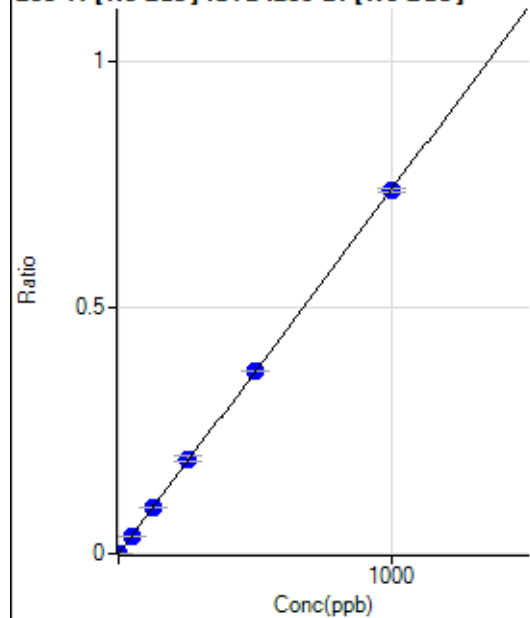
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			5.56		P	100.0
2	☐			1.85		P	173.2
3	☐			5.56		P	100.0
4	☐			7.41		P	114.5
5	☐			9.26		P	69.2
6	☐			1.85		P	173.2
7	☐			7.41		P	114.5
8	☐			12.96		P	65.4
9	☐			9.26		P	124.9

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			272.23		P	32.2
2	☐			308.35		P	24.8
3	☐			305.57		P	15.0
4	☐			325.02		P	6.8
5	☐			291.68		P	13.1
6	☐			330.57		P	15.4
7	☐			338.90		P	17.8
8	☐			338.90		P	12.4
9	☐			311.12		P	19.0

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			244.45		P	21.7
2	☐			185.19		P	19.3
3	☐			183.34		P	5.2
4	☐			177.78		P	17.4
5	☐			164.82		P	12.8
6	☐			151.86		P	15.2
7	☐			164.82		P	25.3
8	☐			159.26		P	21.0
9	☐			161.12		P	15.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	5.56	0.0000	P	173.2
2	☐	0.100	0.099	147.23	0.0001	P	10.0
3	☐	1.000	1.002	1452.90	0.0007	P	1.5
4	☐	50.000	49.534	71111.70	0.0367	P	0.9
5	☐	125.000	125.490	176686.36	0.0929	P	0.4
6	☐	250.000	259.849	361707.46	0.1925	P	6.1
7	☐	500.000	502.404	721088.90	0.3721	P	0.6
8	☐	1000.000	996.298	1405262.61	0.7379	P	0.9
9	☐			669.48	0.0004	P	22.2

$$y = 7.4062\text{E-}004 * x + 2.7827\text{E-}006$$

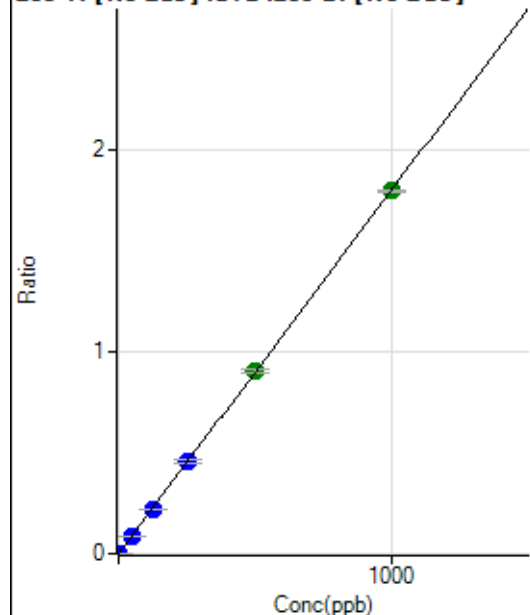
$$R = 0.9999$$

$$DL = 0.01952$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	52.78	0.0000	P	46.6
2	☐	0.100	0.099	397.24	0.0002	P	7.2
3	☐	1.000	0.909	3247.73	0.0017	P	5.0
4	☐	50.000	48.422	169250.84	0.0873	P	2.6
5	☐	125.000	122.422	419668.37	0.2208	P	0.5
6	☐	250.000	253.803	860196.60	0.4577	P	5.9
7	☐	500.000	502.580	1755807.70	0.9062	A	2.1
8	☐	1000.000	998.160	3427523.03	1.7998	A	0.8
9	☐			1589.04	0.0009	P	11.9

$$y = 0.0018 * x + 2.7047E-005$$

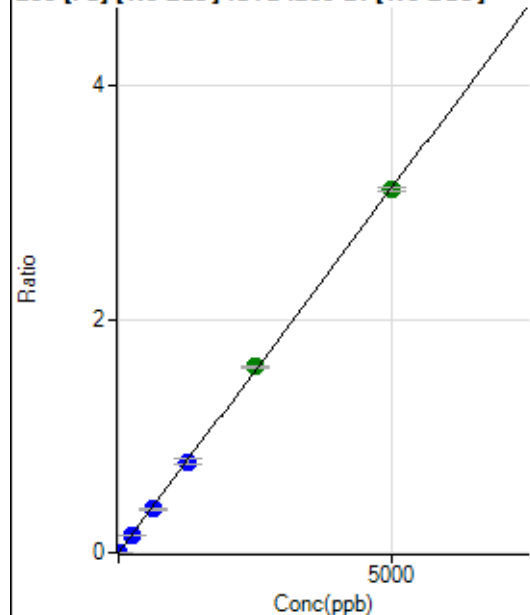
$$R = 1.0000$$

$$DL = 0.02096$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	125.93	0.0001	P	29.0
2	☐	0.100	0.115	262.97	0.0001	P	11.2
3	☐	1.000	1.089	1450.11	0.0007	P	6.6
4	☐	250.000	235.065	284398.44	0.1468	P	3.5
5	☐	625.000	596.417	707646.51	0.3723	P	1.0
6	☐	1250.000	1248.010	1464238.88	0.7789	P	5.4
7	☐	2500.000	2553.903	3088416.33	1.5939	A	1.0
8	☐	5000.000	4977.866	5916410.49	3.1066	A	0.9
9	☐			12089.16	0.0068	P	3.5

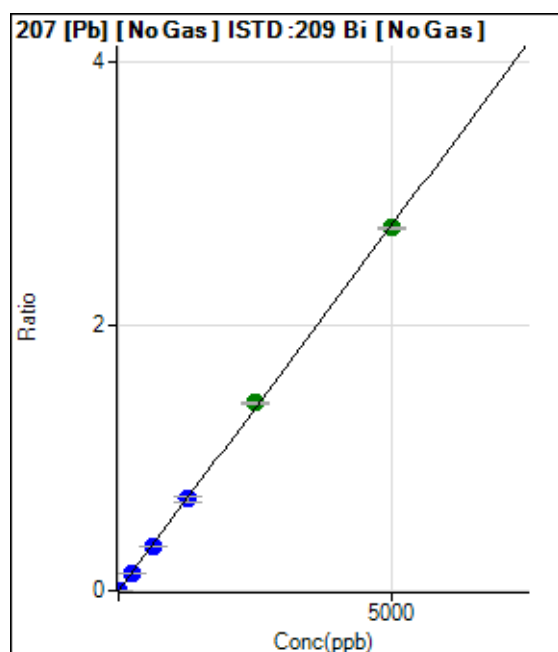
$$y = 6.2406E-004 * x + 6.4467E-005$$

$$R = 0.9999$$

$$DL = 0.08974$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	140.74	0.0001	P	19.7
2	☐	0.100	0.094	238.90	0.0001	P	16.2
3	☐	1.000	0.925	1137.11	0.0006	P	9.6
4	☐	250.000	236.598	253386.91	0.1308	P	3.5
5	☐	625.000	602.961	633243.49	0.3331	P	1.1
6	☐	1250.000	1253.832	1301887.53	0.6926	P	6.3
7	☐	2500.000	2573.949	2755002.32	1.4218	A	1.3
8	☐	5000.000	4965.492	5223469.27	2.7428	A	0.5
9	☐			10734.25	0.0060	P	2.8

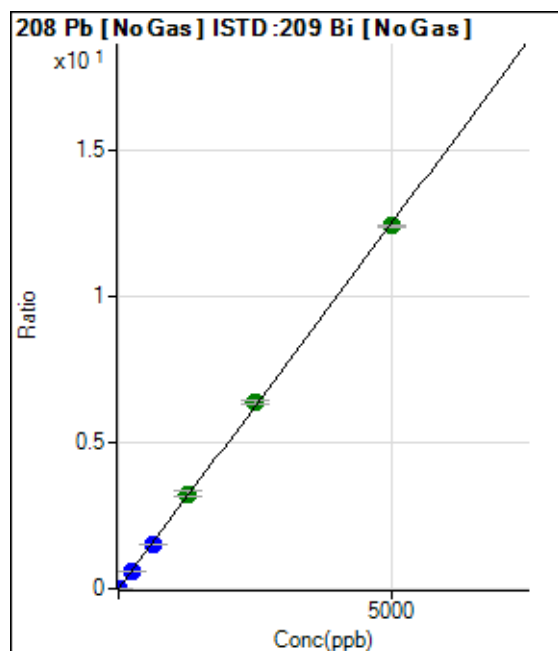
$$y = 5.5236\text{E-}004 * x + 7.1919\text{E-}005$$

$$R = 0.9998$$

$$DL = 0.07697$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	600.02	0.0003	P	17.5
2	☐	0.100	0.095	1053.75	0.0005	P	17.2
3	☐	1.000	1.014	5550.57	0.0028	P	2.0
4	☐	250.000	235.360	1142465.60	0.5895	P	3.3
5	☐	625.000	601.147	2861595.41	1.5053	P	0.6
6	☐	1250.000	1296.204	6100749.92	3.2454	A	5.9
7	☐	2500.000	2553.912	12389718.57	6.3942	A	1.2
8	☐	5000.000	4965.206	23674197.29	12.4310	A	0.2
9	☐			48899.91	0.0274	P	1.5

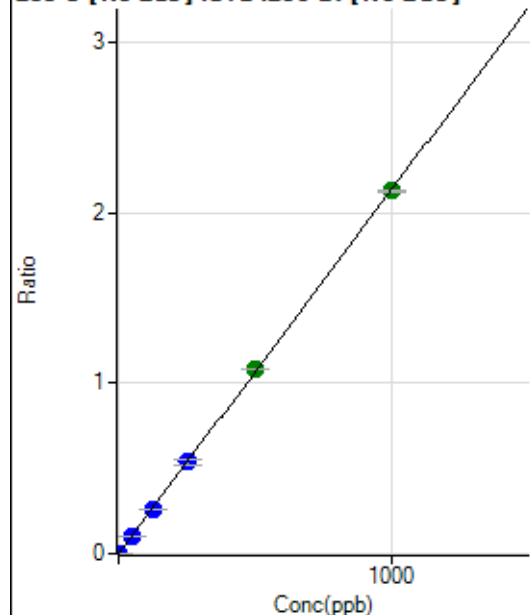
$$y = 0.0025 * x + 3.0663\text{E-}004$$

$$R = 0.9998$$

$$DL = 0.06421$$

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	2.78	0.0000	P	173.2
2	☐	0.100	0.094	391.68	0.0002	P	11.3
3	☐	1.000	0.938	3911.81	0.0020	P	0.7
4	☐	50.000	47.392	196311.67	0.1013	P	2.7
5	☐	125.000	121.830	495017.34	0.2604	P	1.2
6	☐	250.000	252.631	1014629.32	0.5399	P	6.6
7	☐	500.000	505.972	2095657.10	1.0814	A	0.5
8	☐	1000.000	996.883	4057678.56	2.1306	A	0.4
9	☐			794.49	0.0004	P	3.9

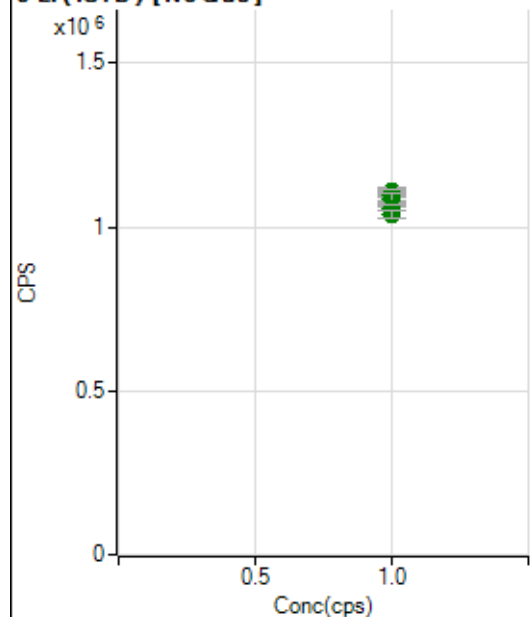
$$y = 0.0021 * x + 1.3905E-006$$

$$R = 1.0000$$

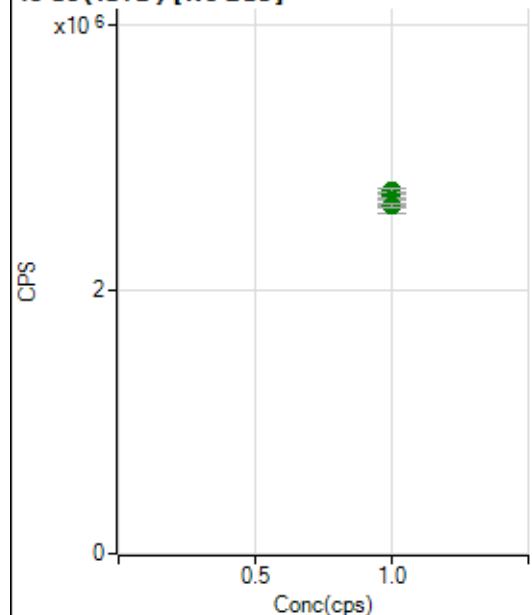
$$DL = 0.003381$$

Weight: <None>

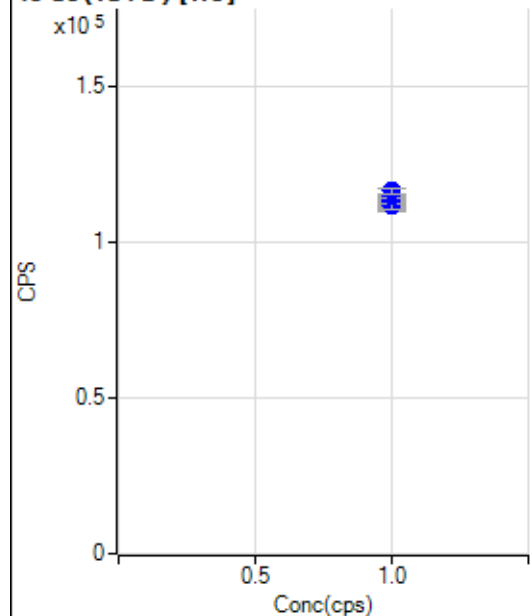
Min Conc: 0

6 Li (ISTD) [No Gas]

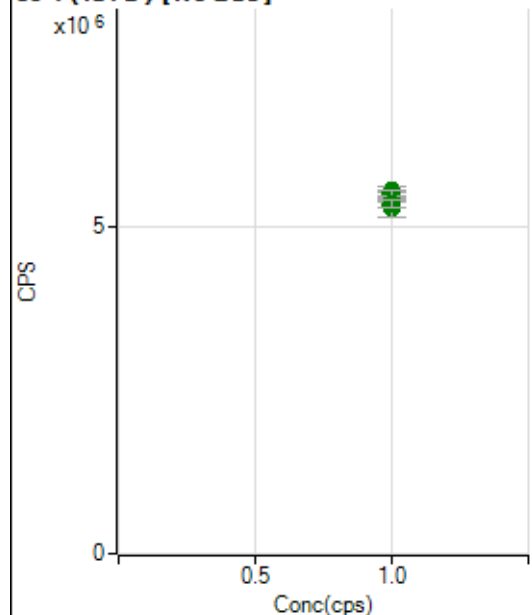
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1107402.72		A	2.1
2	☐	1.000		1098589.39		A	1.7
3	☐	1.000		1095020.16		A	2.9
4	☐	1.000		1097719.50		A	3.3
5	☐	1.000		1055534.37		A	1.3
6	☐	1.000		1053950.02		A	5.0
7	☐	1.000		1088357.03		A	2.3
8	☐	1.000		1059248.09		A	2.0
9	☐	1.000		1037853.89		A	2.2

45 Sc (ISTD) [No Gas]

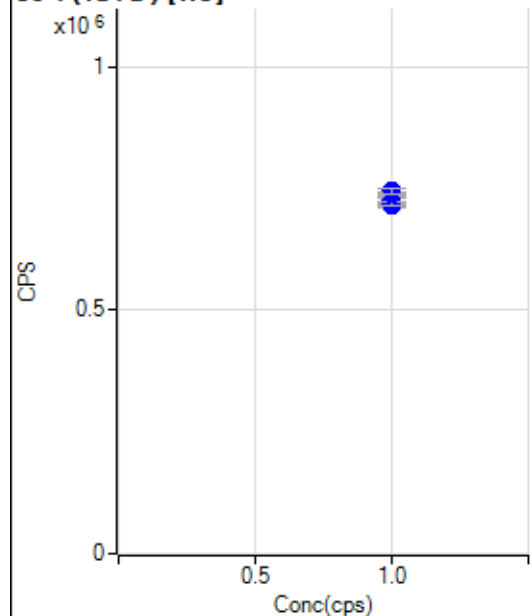
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		2699941.54		A	2.1
2	☐	1.000		2655339.25		A	2.0
3	☐	1.000		2716867.43		A	1.5
4	☐	1.000		2704156.59		A	2.1
5	☐	1.000		2654295.97		A	1.4
6	☐	1.000		2637473.07		A	4.5
7	☐	1.000		2745727.42		A	1.1
8	☐	1.000		2682154.91		A	0.8
9	☐	1.000		2637108.12		A	1.3

45 Sc (ISTD) [He]

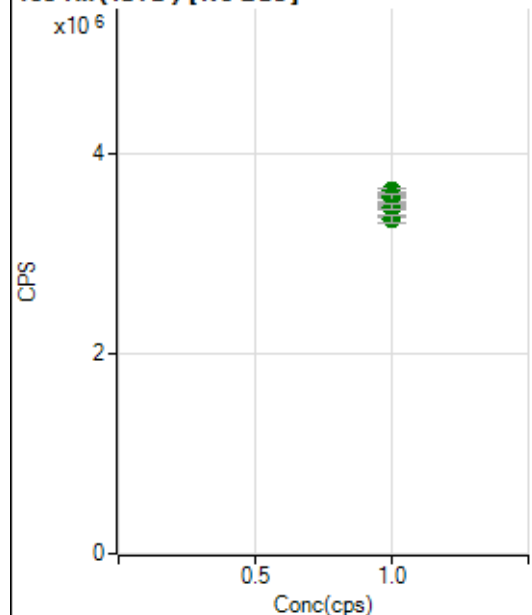
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		112589.75		P	1.9
2	☐	1.000		112916.24		P	3.7
3	☐	1.000		113622.40		P	2.3
4	☐	1.000		113272.81		P	1.2
5	☐	1.000		112514.62		P	4.5
6	☐	1.000		111284.88		P	1.7
7	☐	1.000		114935.40		P	1.0
8	☐	1.000		114624.21		P	0.7
9	☐	1.000		116271.72		P	1.5

89 Y (ISTD) [No Gas]

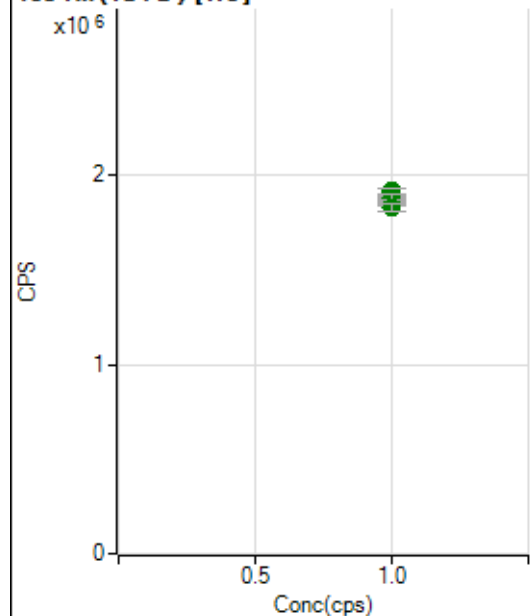
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		5345790.13		A	1.7
2	☐	1.000		5443501.83		A	1.4
3	☐	1.000		5503834.92		A	2.0
4	☐	1.000		5564371.03		A	2.3
5	☐	1.000		5420048.32		A	0.5
6	☐	1.000		5312802.80		A	5.8
7	☐	1.000		5514037.49		A	1.0
8	☐	1.000		5539875.82		A	1.8
9	☐	1.000		5355049.75		A	2.2

89 Y (ISTD) [He]

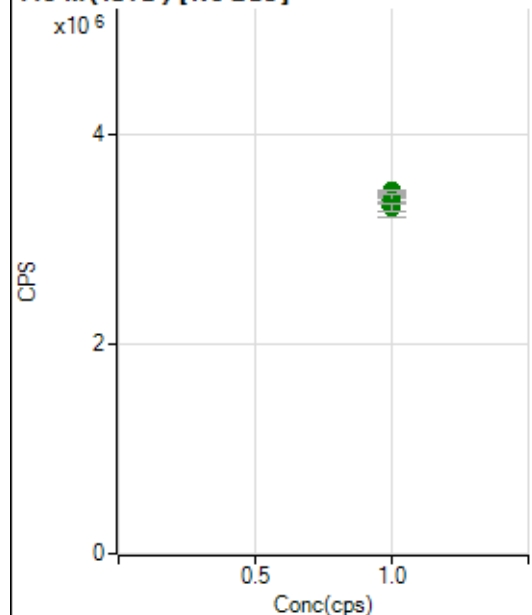
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		717151.24		P	0.9
2	☐	1.000		722696.46		P	2.9
3	☐	1.000		728976.31		P	1.6
4	☐	1.000		729314.58		P	1.3
5	☐	1.000		726064.40		P	4.2
6	☐	1.000		720084.19		P	1.1
7	☐	1.000		737517.21		P	1.6
8	☐	1.000		739431.13		P	0.8
9	☐	1.000		745595.35		P	1.5

103 Rh (ISTD) [No Gas]

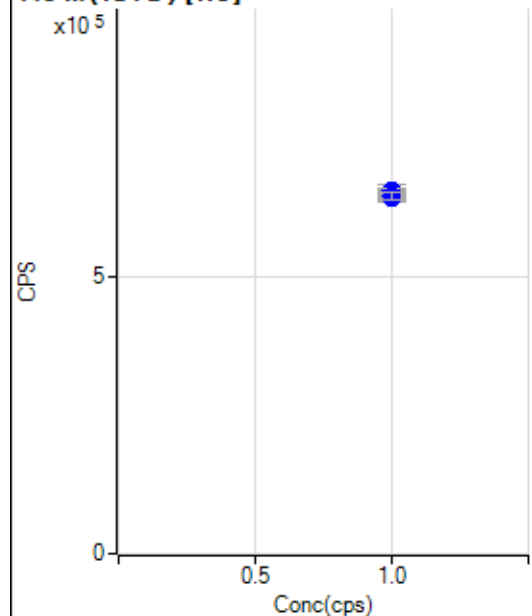
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3582107.41		A	0.5
2	☐	1.000		3514608.67		A	3.8
3	☐	1.000		3633186.54		A	0.9
4	☐	1.000		3579688.41		A	2.7
5	☐	1.000		3471887.79		A	0.8
6	☐	1.000		3460711.23		A	5.6
7	☐	1.000		3555258.54		A	2.2
8	☐	1.000		3471984.80		A	1.8
9	☐	1.000		3354724.86		A	2.6

103 Rh (ISTD) [He]

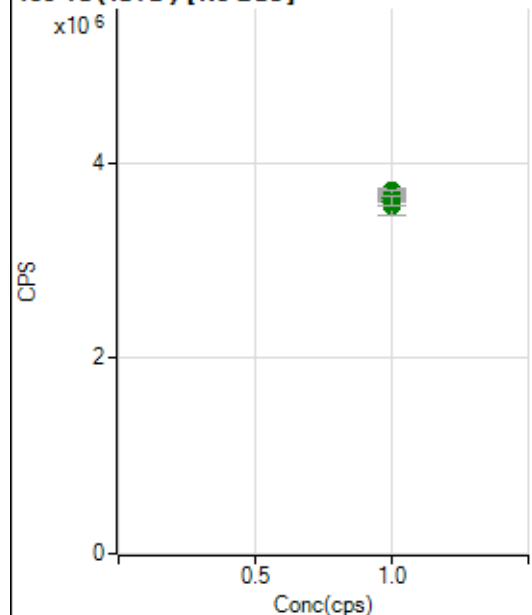
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1887637.19		A	1.0
2	☐	1.000		1896503.88		A	4.0
3	☐	1.000		1917518.74		A	1.6
4	☐	1.000		1910693.53		A	2.3
5	☐	1.000		1897710.54		A	3.5
6	☐	1.000		1849772.99		A	1.5
7	☐	1.000		1879010.79		A	1.9
8	☐	1.000		1883323.89		A	1.8
9	☐	1.000		1829243.43		A	1.7

115 In (ISTD) [No Gas]

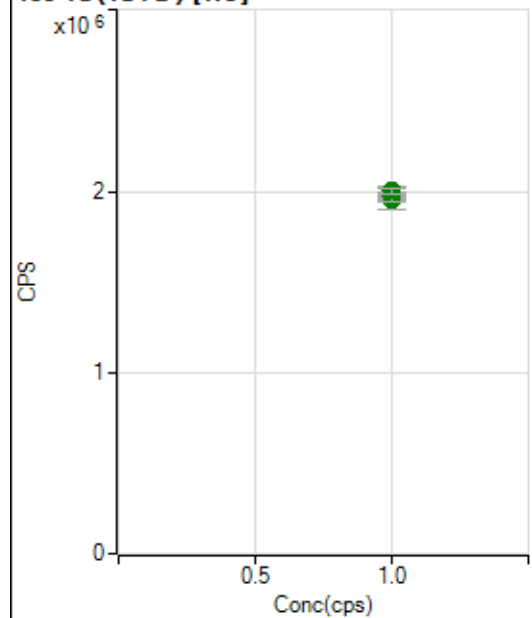
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3423419.94		A	0.6
2	☐	1.000		3415597.93		A	3.4
3	☐	1.000		3468588.33		A	0.1
4	☐	1.000		3462694.55		A	1.1
5	☐	1.000		3384285.04		A	0.9
6	☐	1.000		3325030.67		A	6.1
7	☐	1.000		3468872.12		A	0.4
8	☐	1.000		3385945.73		A	2.6
9	☐	1.000		3302842.02		A	2.4

115 In (ISTD) [He]

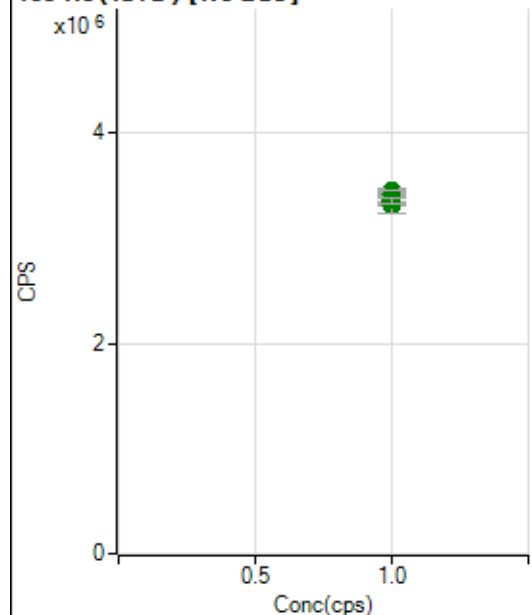
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		643188.41		P	0.6
2	☐	1.000		644313.56		P	2.7
3	☐	1.000		653162.34		P	1.6
4	☐	1.000		649902.76		P	1.8
5	☐	1.000		652018.69		P	4.4
6	☐	1.000		642046.94		P	1.2
7	☐	1.000		654532.04		P	1.3
8	☐	1.000		643813.02		P	0.9
9	☐	1.000		644054.98		P	2.0

159 Tb (ISTD) [No Gas]

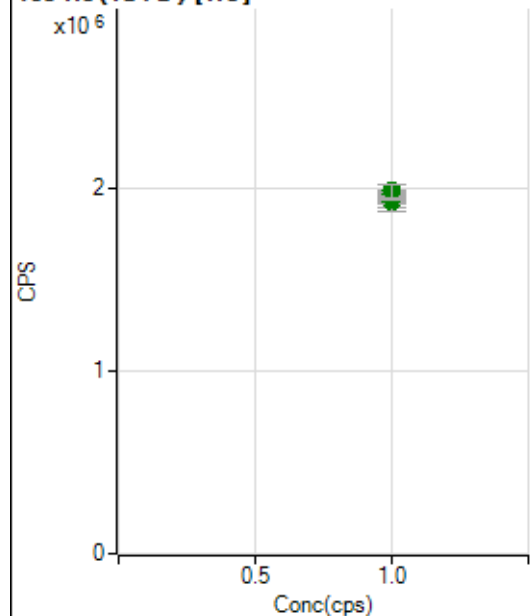
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3610446.13		A	0.7
2	☐	1.000		3680842.45		A	2.8
3	☐	1.000		3690579.49		A	2.0
4	☐	1.000		3669829.94		A	0.3
5	☐	1.000		3637626.65		A	1.8
6	☐	1.000		3555414.04		A	5.6
7	☐	1.000		3708579.01		A	1.0
8	☐	1.000		3657808.11		A	2.8
9	☐	1.000		3601627.69		A	2.6

159 Tb (ISTD) [He]

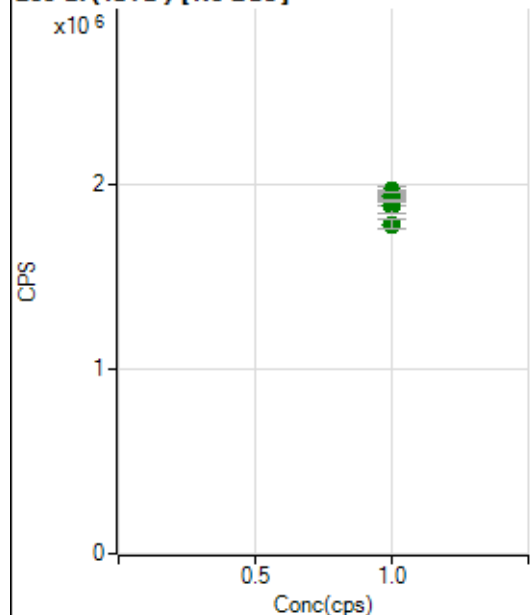
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1976878.62		A	2.0
2	☐	1.000		1975309.76		A	2.5
3	☐	1.000		1996554.47		A	3.1
4	☐	1.000		1991004.48		A	2.2
5	☐	1.000		1951845.26		A	4.8
6	☐	1.000		1951522.18		A	0.9
7	☐	1.000		1958436.52		A	0.4
8	☐	1.000		1968891.64		A	2.3
9	☐	1.000		2002456.29		A	1.9

165 Ho (ISTD) [No Gas]

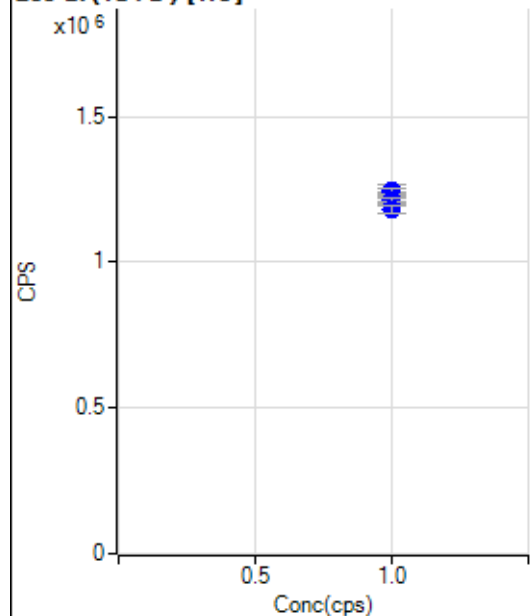
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3395618.83		A	0.3
2	☐	1.000		3373642.26		A	2.8
3	☐	1.000		3408491.44		A	0.7
4	☐	1.000		3378357.11		A	1.7
5	☐	1.000		3345123.73		A	2.4
6	☐	1.000		3313451.94		A	4.5
7	☐	1.000		3447464.57		A	0.9
8	☐	1.000		3417559.36		A	1.6
9	☐	1.000		3353516.55		A	1.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1925483.08		A	0.4
2	☐	1.000		1922917.44		A	3.2
3	☐	1.000		1931627.04		A	0.6
4	☐	1.000		1952681.14		A	1.8
5	☐	1.000		1919925.91		A	4.8
6	☐	1.000		1929561.74		A	1.8
7	☐	1.000		1964647.58		A	2.5
8	☐	1.000		1942226.39		A	0.9
9	☐	1.000		1981620.37		A	3.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1961448.72		A	2.4
2	☐	1.000		1931830.94		A	1.4
3	☐	1.000		1950067.85		A	1.5
4	☐	1.000		1938342.26		A	1.2
5	☐	1.000		1901082.16		A	1.6
6	☐	1.000		1883154.21		A	4.8
7	☐	1.000		1937849.71		A	1.3
8	☐	1.000		1904459.40		A	0.5
9	☐	1.000		1782605.67		A	2.5

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1223532.79		P	0.9
2	☐	1.000		1217088.09		P	2.5
3	☐	1.000		1237323.10		P	0.8
4	☐	1.000		1233606.91		P	1.2
5	☐	1.000		1242405.62		P	3.8
6	☐	1.000		1212429.48		P	1.3
7	☐	1.000		1244607.07		P	1.7
8	☐	1.000		1213544.73		P	0.8
9	☐	1.000		1182582.67		P	2.0

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8051321-MS.b
Acq. Date-Time 2021-05-13 10:32:42
Report Comment ---
Instrument Name G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		4435	44351.71			0.821	5.000
24		37332	373316.39			0.987	5.000
25		5057	50565.17			1.014	5.000
26		5832	58317.31			0.861	5.000
59		29221	292211.90			1.376	5.000
113		3543	35432.51			1.754	5.000
115		21511	215106.98			0.785	5.000
206		5116	51157.30			2.115	5.000
207		4447	44467.23			2.213	5.000
208		10797	107973.00			1.778	5.000
220		1	6.30			24.203	

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

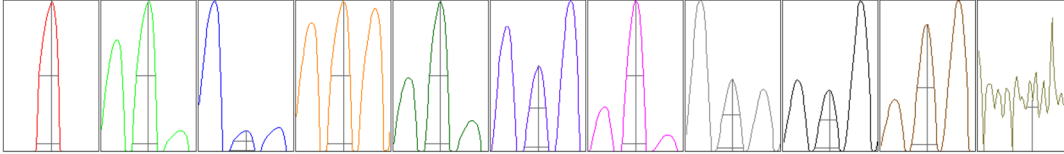
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	4387	4427	4418	4477	4466
24	36825	37127	37476	37793	37437
25	5004	5039	5024	5132	5084
26	5792	5819	5815	5920	5812
59	28760	28919	29185	29726	29516
113	3472	3511	3519	3623	3592
115	21399	21448	21330	21721	21655
206	4976	5100	5059	5249	5195
207	4326	4423	4389	4556	4539
208	10554	10703	10760	11048	10921

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	7952.90	9.05	8.90 - 9.10	
24	65704.95	24.00	23.90 - 24.10	
25	8699.63	25.05	24.90 - 25.10	
26	10131.56	26.05	25.90 - 26.10	
59	54138.42	59.00	58.90 - 59.10	
113	7000.04	113.05	112.90 - 113.10	
115	42171.80	115.05	114.90 - 115.10	
206	9770.06	206.00	205.90 - 206.10	
207	8384.29	207.00	206.90 - 207.10	
208	20594.76	208.00	207.90 - 208.10	
220	0.60	220.25	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.61	0.740	0.900	
24	0.60	0.785	0.900	
25	0.62	0.785	0.900	
26	0.61	0.785	0.900	
59	0.56	0.774	0.900	
113	0.52	0.767	0.900	
115	0.53	0.763	0.900	
206	0.54	0.824	0.900	
207	0.53	0.786	0.900	
208	0.54	0.801	0.900	
220	0.35			

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode HMI Nebulizer Gas 0.49 L/min Dilution Gas 0.44 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.40 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	9.9 V	Deflect	15.8 V
Extract 2	-250.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-120 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	160 V		

QP Parameters

Mass Gain	122	Axis Gain	0.9989	QP Bias	-4.0 V
Mass Offset	125	Axis Offset	0.02		

Hardware Settings

Torch

Torch H	0.6 mm	Torch V	-0.8 mm
---------	--------	---------	---------

EM

Discriminator	4.1 mV	Analog HV	2192 V	Pulse HV	1460 V
---------------	--------	-----------	--------	----------	--------

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		7585	75850.56			1.758	
89		12198	121984.45			1.451	
205		7393	73934.46			2.296	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	7650	7351	7662	7663	7599
89	12209	11896	12320	12330	12238
205	7378	7116	7514	7546	7412

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	HMI	Nebulizer Gas	0.49 L/min	Dilution Gas	0.44 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.40 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	9.9 V	Deflect	5.0 V
-----------	--------	------------	-------	---------	-------

US EPA Tune Check Report

Extract 2	-250.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-120 V	Cell Exit	-70 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	190 V		
QP Parameters					
Mass Gain	122	Axis Gain	0.9989	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	0.02		
Hardware Settings					
Torch					
Torch H	0.6 mm	Torch V	-0.8 mm		
EM					
Discriminator	4.1 mV	Analog HV	2192 V	Pulse HV	1460 V