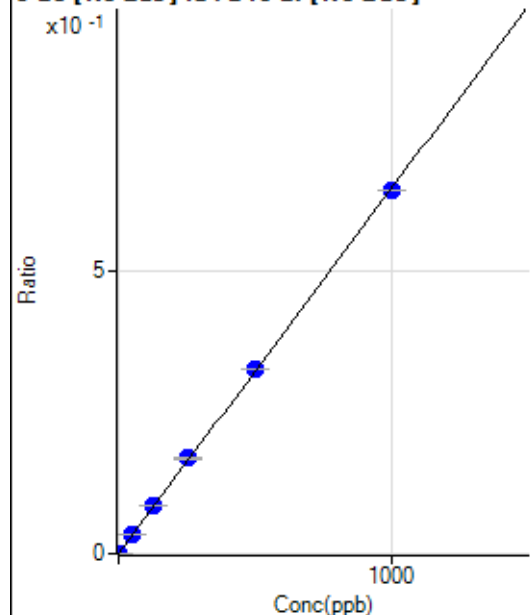


Batch Folder: D:\ICP-MS Data\P7120218MS.b\
Analysis File: P7120218MS.batch.bin
DA Date-Time: 2018-12-02 14:32:41
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2018-12-02 14:10:43
2	009CAL.S.d	S01	2018-12-02 14:51:23
3	010CAL.S.d	S02	2018-12-02 14:55:11
4	011CAL.S.d	S03	2018-12-02 14:58:58
5	012CAL.S.d	S04	2018-12-02 15:03:08
6	013CAL.S.d	S05	2018-12-02 15:06:56
7	014CAL.S.d	S06	2018-12-02 15:10:42
8	015CAL.S.d	S07	2018-12-02 15:14:27
9	016CAL.S.d	S08	2018-12-02 15:18:12

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	27.78	0.0000	P	52.3
2	☐	0.100	0.101	401.87	0.0001	P	4.6
3	☐	1.000	0.942	3459.75	0.0006	P	5.1
4	☐	50.000	53.281	193570.42	0.0343	P	0.4
5	☐	125.000	132.673	480672.44	0.0855	P	0.9
6	☐	250.000	260.786	926640.54	0.1680	P	0.7
7	☐	500.000	505.485	1706252.57	0.3256	P	1.0
8	☐	1000.000	993.438	3382877.97	0.6399	P	0.1
9	☐			627.81	0.0001	P	6.2

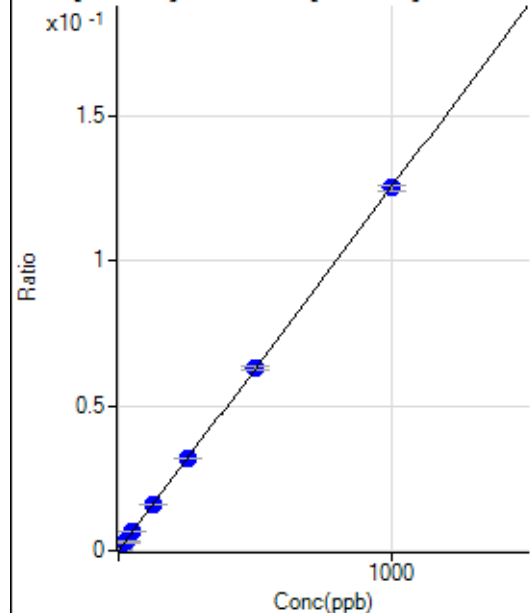
$$y = 6.4408\text{E-}004 * x + 4.8861\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.01191$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	263.90	0.0000	P	14.0
2	☐	2.500	2.597	2133.58	0.0004	P	6.8
3	☐	25.000	23.635	17037.94	0.0030	P	2.7
4	☐	50.000	50.557	36030.24	0.0064	P	0.6
5	☐	125.000	126.360	89419.18	0.0159	P	1.3
6	☐	250.000	252.878	175248.21	0.0318	P	1.4
7	☐	500.000	502.883	330826.69	0.0631	P	2.3
8	☐	1000.000	997.675	661925.99	0.1252	P	1.6
9	☐			15436.24	0.0031	P	9.0

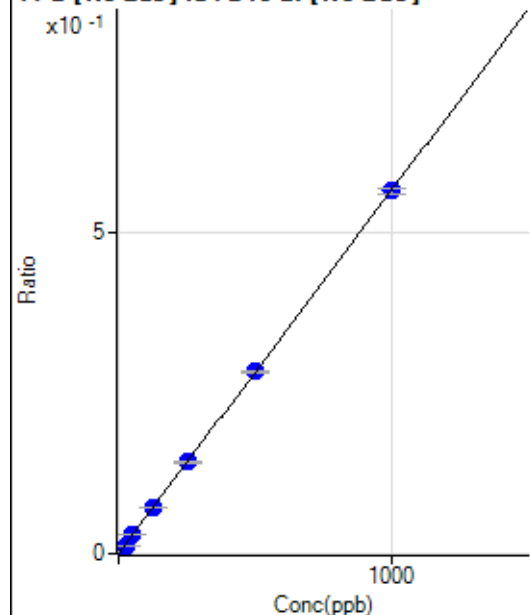
$$y = 1.2545\text{E-}004 * x + 4.6481\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.1555$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1455.68	0.0003	P	2.5
2	☐	2.500	2.502	9589.47	0.0017	P	2.3
3	☐	25.000	23.084	75368.68	0.0133	P	2.0
4	☐	50.000	50.794	163568.67	0.0290	P	1.9
5	☐	125.000	126.231	403266.06	0.0717	P	2.1
6	☐	250.000	252.759	790521.31	0.1433	P	1.9
7	☐	500.000	500.491	1485746.45	0.2835	P	1.7
8	☐	1000.000	998.919	2990296.31	0.5656	P	1.6
9	☐			69385.15	0.0138	P	7.4

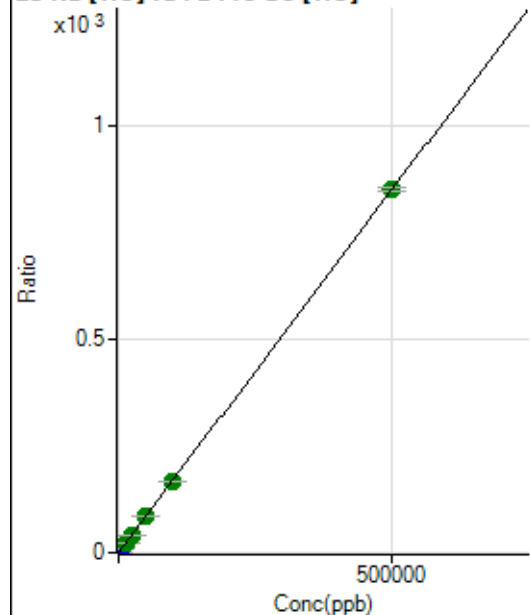
$$y = 5.6596E-004 * x + 2.5654E-004$$

$$R = 1.0000$$

$$DL = 0.03344$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	7983.02	0.0252	P	7.4
2	☐	50.000	51.122	33468.78	0.1120	P	5.1
3	☐	500.000	466.359	259947.82	0.8163	P	0.7
4	☐	5000.000	5025.944	2710131.94	8.5509	P	0.5
5	☐	12500.000	12333.575	6474244.85	20.9472	A	0.4
6	☐	25000.000	24757.294	12429767.47	42.0220	A	0.8
7	☐	50000.000	49452.560	24025642.55	83.9135	A	0.3
8	☐	100000.00	97712.565	49946408.76	165.7789	A	0.3
9	☐	500000.00	500528.30	281547231.2	849.0910	A	0.9

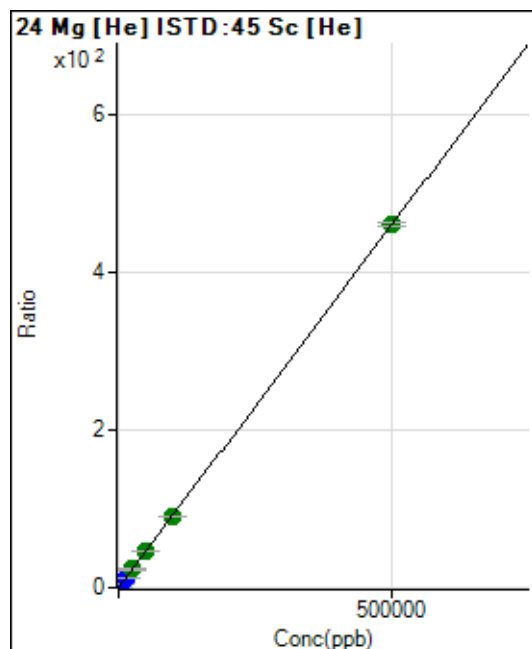
$$y = 0.0017 * x + 0.0252$$

$$R = 1.0000$$

$$DL = 3.318$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	72.22	0.0002	P	29.2
2	☐	50.000	50.081	13845.82	0.0464	P	8.1
3	☐	500.000	466.340	136880.68	0.4299	P	0.8
4	☐	5000.000	5139.305	1500771.06	4.7352	P	0.1
5	☐	12500.000	12727.452	3624329.68	11.7264	P	0.3
6	☐	25000.000	25268.291	6885945.81	23.2806	A	1.2
7	☐	50000.000	50197.385	13241508.89	46.2484	A	0.4
8	☐	100000.00	98368.222	27304903.04	90.6296	A	0.6
9	☐	500000.00	500286.15	152841165.9	460.9275	A	1.2

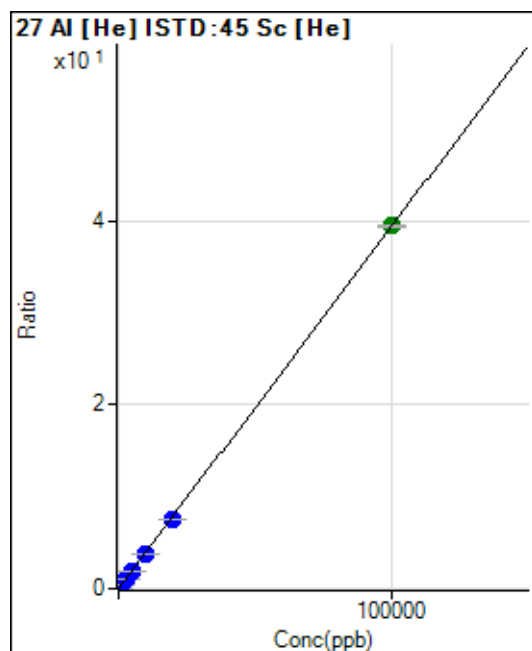
$$y = 9.2133\text{E-}004 * x + 2.2839\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.2168$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	33.33	0.0001	P	50.0
2	☐	2.000	2.208	291.68	0.0010	P	6.1
3	☐	20.000	18.490	2353.06	0.0074	P	7.3
4	☐	1000.000	1000.939	125060.97	0.3946	P	0.5
5	☐	2500.000	2475.594	301588.09	0.9758	P	0.3
6	☐	5000.000	4918.205	573366.71	1.9384	P	1.0
7	☐	10000.000	9757.394	1101083.82	3.8456	P	0.1
8	☐	20000.000	19245.830	2285280.67	7.5852	P	0.4
9	☐	100000.00	100179.78	13091887.01	39.4824	A	0.7

$$y = 3.9411\text{E-}004 * x + 1.0537\text{E-}004$$

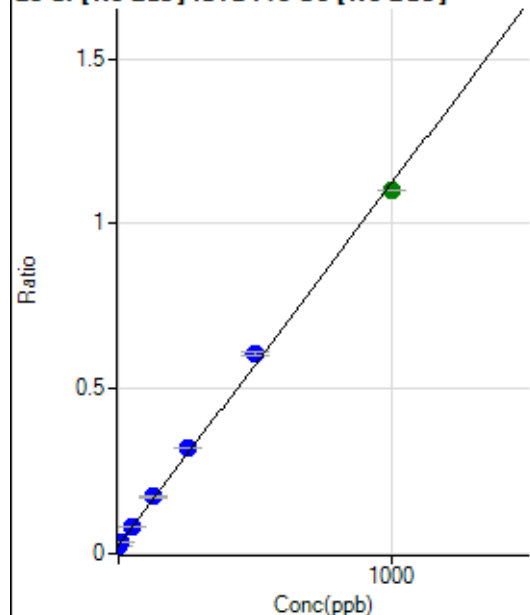
$$R = 1.0000$$

$$DL = 0.4011$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	194039.72	0.0246	P	1.3
2	☐	1.000	0.312	200741.17	0.0249	P	0.4
3	☐	10.000	9.336	274343.23	0.0348	P	0.8
4	☐	50.000	53.849	653173.31	0.0837	P	0.7
5	☐	125.000	134.601	1331763.58	0.1722	P	0.8
6	☐	250.000	268.292	2393927.85	0.3189	P	0.7
7	☐	500.000	528.842	4269429.44	0.6047	P	1.5
8	☐	1000.000	979.621	7983692.02	1.0993	A	0.1
9	☐			628555.88	0.0846	P	1.2

$$y = 0.0011 * x + 0.0246$$

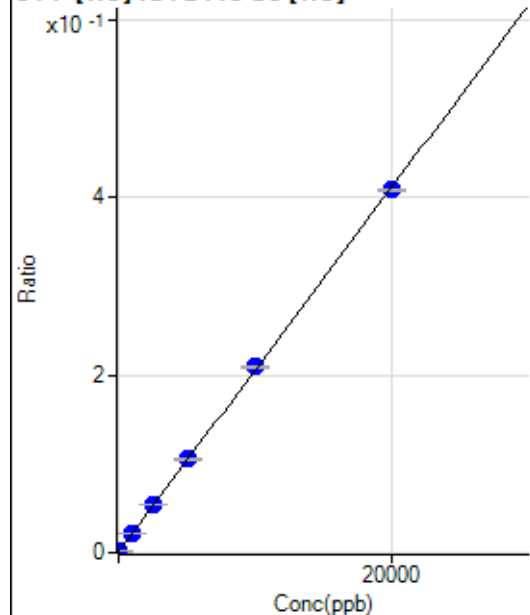
$$R = 0.9992$$

$$DL = 0.8797$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-17.525	102.78	0.0003	P	25.9
2	☐	0.000	-10.351	141.68	0.0005	P	4.1
3	☐	0.000	27.876	400.03	0.0013	P	4.8
4	☐	1000.000	1027.007	6896.33	0.0218	P	1.9
5	☐	2500.000	2619.781	16826.70	0.0544	P	2.4
6	☐	5000.000	5112.694	31233.46	0.1056	P	2.5
7	☐	10000.000	10168.482	59937.98	0.2093	P	1.3
8	☐	20000.000	19871.263	123057.70	0.4084	P	0.4
9	☐			197.23	0.0006	P	14.3

$$y = 2.0520E-005 * x + 6.8450E-004$$

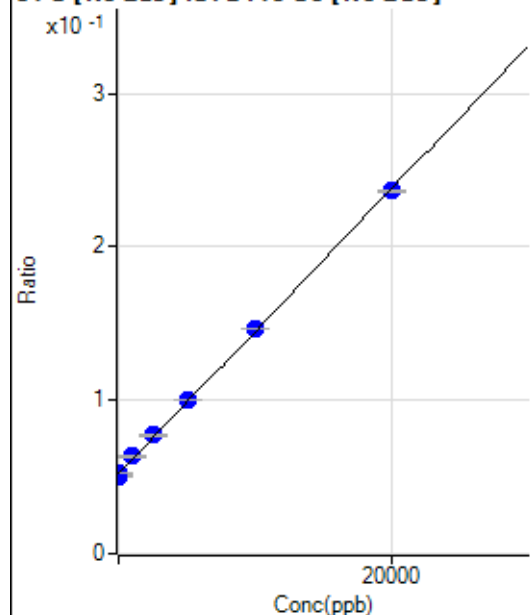
$$R = 0.9999$$

$$DL = 8.005$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	64.472	415392.94	0.0526	P	1.3
2	☐	0.000	-153.212	407533.90	0.0506	P	0.9
3	☐	0.000	88.740	416336.26	0.0528	P	0.8
4	☐	1000.000	1212.147	494148.59	0.0633	P	1.2
5	☐	2500.000	2719.451	597695.89	0.0773	P	0.7
6	☐	5000.000	5174.536	751635.99	0.1001	P	0.6
7	☐	10000.000	10181.093	1035594.52	0.1467	P	0.3
8	☐	20000.000	19827.781	1716634.17	0.2364	P	0.2
9	☐			352161.47	0.0474	P	0.6

$$y = 9.2973\text{E-}006 * x + 0.0520$$

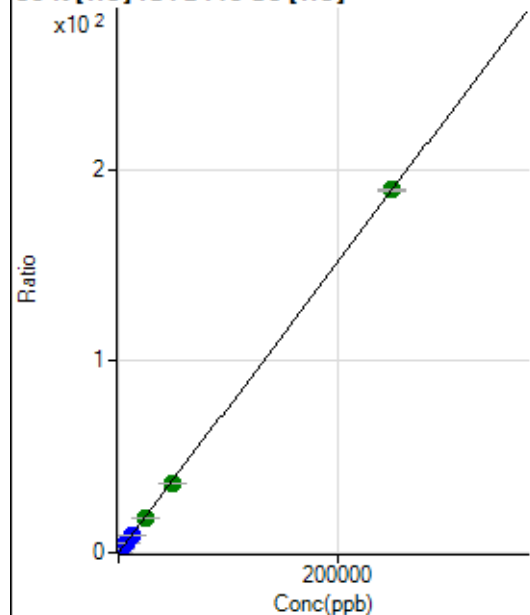
$$R = 0.9998$$

$$DL = 171.6$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	15453.04	0.0489	P	1.3
2	☐	50.000	50.245	25970.79	0.0869	P	5.2
3	☐	500.000	471.906	129275.99	0.4060	P	0.7
4	☐	2500.000	2504.864	616261.31	1.9444	P	0.4
5	☐	6250.000	6206.534	1466758.26	4.7457	P	0.5
6	☐	12500.000	12333.204	2775120.87	9.3820	P	0.8
7	☐	25000.000	24331.250	5286003.50	18.4616	A	0.3
8	☐	50000.000	48031.178	10965386.44	36.3965	A	0.8
9	☐	250000.00	250470.07	62865858.35	189.5924	A	0.5

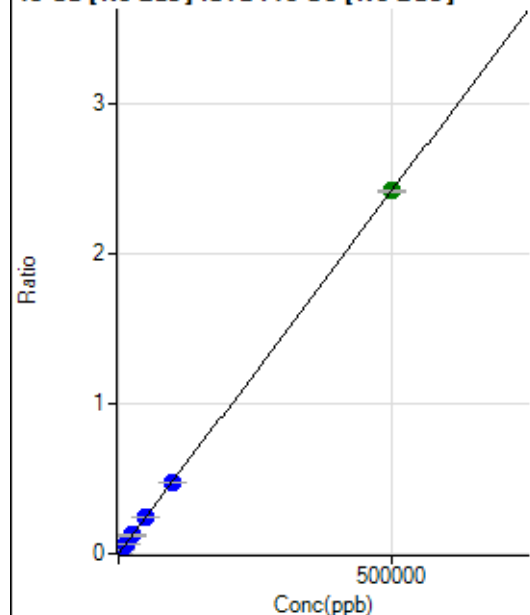
$$y = 7.5675\text{E-}004 * x + 0.0489$$

$$R = 1.0000$$

$$DL = 2.431$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	63.89	0.0000	P	14.3
2	☐	50.000	45.904	1855.75	0.0002	P	6.0
3	☐	500.000	463.454	17738.96	0.0023	P	0.6
4	☐	5000.000	5004.105	189194.94	0.0242	P	0.3
5	☐	12500.000	12529.159	468985.02	0.0607	P	0.6
6	☐	25000.000	25195.670	915593.74	0.1220	P	0.4
7	☐	50000.000	50070.226	1711195.74	0.2424	P	0.7
8	☐	100000.00	98018.947	3445871.95	0.4745	P	0.3
9	☐	500000.00	500378.67	17990700.40	2.4220	A	0.5

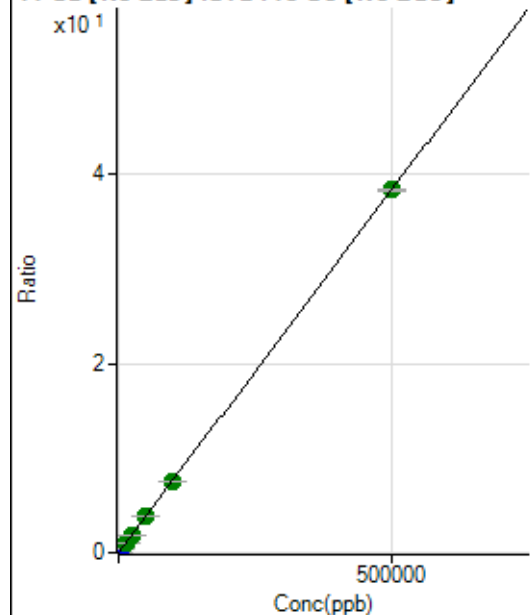
$$y = 4.8404\text{E-}006 * x + 8.0871\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.7161$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6363.46	0.0008	P	1.1
2	☐	50.000	46.101	34970.63	0.0043	P	2.4
3	☐	500.000	470.377	290569.19	0.0369	P	0.4
4	☐	5000.000	5055.744	3033756.77	0.3885	P	0.6
5	☐	12500.000	12443.160	7384790.96	0.9551	A	0.2
6	☐	25000.000	24916.294	14350645.46	1.9116	A	0.4
7	☐	50000.000	49817.482	26980487.76	3.8213	A	0.3
8	☐	100000.00	98815.850	55044825.54	7.5790	A	0.3
9	☐	500000.00	500260.16	284990789.7	38.3659	A	0.4

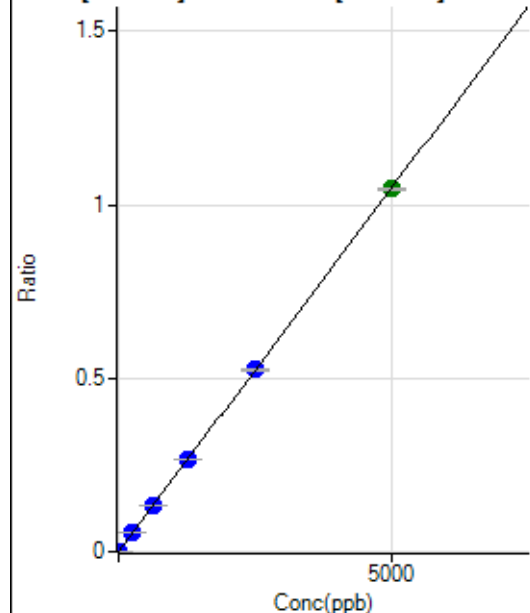
$$y = 7.6690\text{E-}005 * x + 8.0595\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.3378$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	63.89	0.0000	P	20.6
2	☐	0.500	0.487	886.17	0.0001	P	6.6
3	☐	5.000	5.005	8327.70	0.0011	P	3.5
4	☐	250.000	254.433	416325.63	0.0533	P	0.5
5	☐	625.000	635.741	1030015.29	0.1332	P	0.4
6	☐	1250.000	1269.253	1996468.27	0.2660	P	0.6
7	☐	2500.000	2506.389	3707797.96	0.5252	P	0.9
8	☐	5000.000	4990.428	7594169.44	1.0456	A	0.4
9	☐			5890.36	0.0008	P	4.3

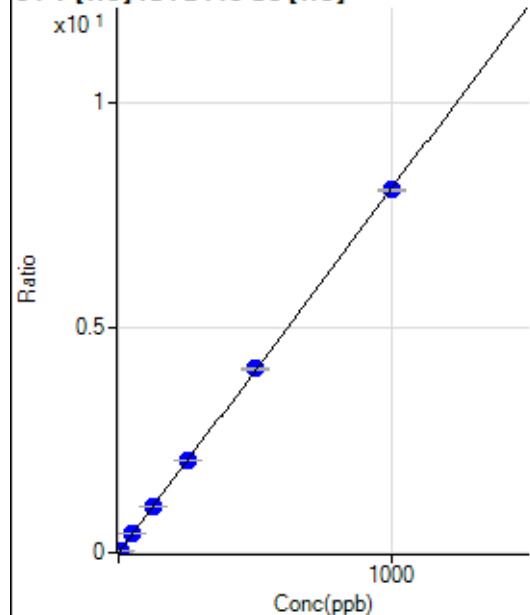
$$y = 2.0953\text{E-}004 * x + 8.1003\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.02385$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3.33	0.0000	P	100.0
2	☐	0.500	0.522	1270.08	0.0042	P	4.2
3	☐	5.000	5.050	13031.47	0.0409	P	0.9
4	☐	50.000	51.419	132027.51	0.4166	P	0.7
5	☐	125.000	127.297	318743.60	1.0313	P	0.1
6	☐	250.000	252.749	605685.04	2.0476	P	0.4
7	☐	500.000	505.128	1171668.85	4.0922	P	0.3
8	☐	1000.000	996.390	2431941.32	8.0720	P	0.5
9	☐			1004.50	0.0030	P	10.1

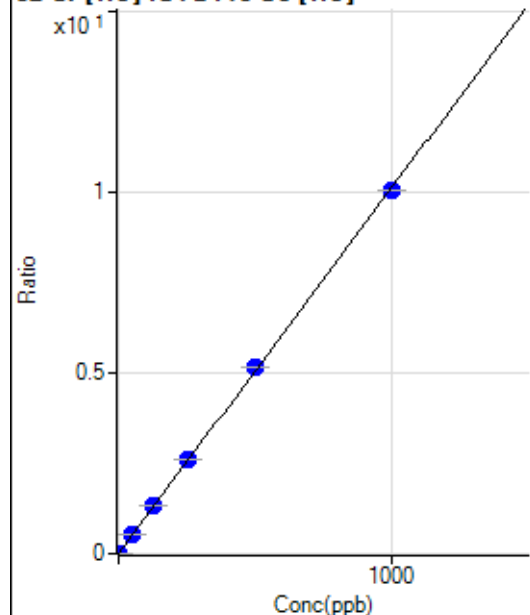
$$y = 0.0081 * x + 1.0529\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.003899$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	743.37	0.0024	P	3.4
2	☐	0.200	0.246	1446.76	0.0048	P	4.9
3	☐	2.000	2.006	7199.65	0.0226	P	2.2
4	☐	50.000	52.453	168706.75	0.5323	P	0.4
5	☐	125.000	129.440	404927.03	1.3101	P	0.5
6	☐	250.000	256.657	767736.18	2.5955	P	0.5
7	☐	500.000	511.146	1479266.63	5.1667	P	0.5
8	☐	1000.000	992.085	3020621.69	10.0257	P	0.2
9	☐			112687.35	0.3398	P	1.3

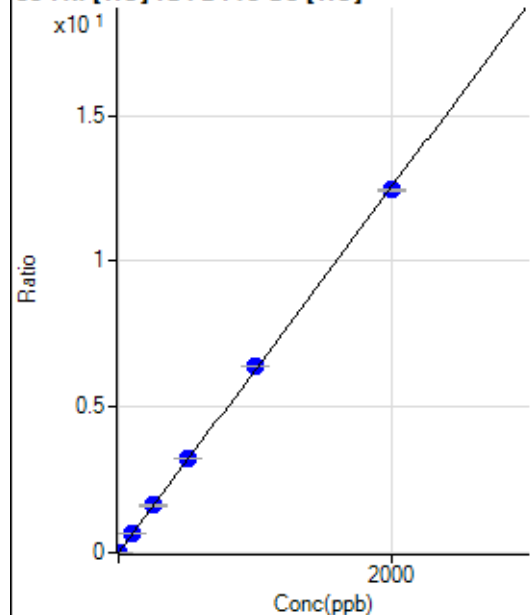
$$y = 0.0101 * x + 0.0024$$

$$R = 0.9999$$

$$DL = 0.02377$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	28.89	0.0001	P	46.7
2	☐	0.100	0.164	333.34	0.0011	P	10.1
3	☐	1.000	1.079	2183.53	0.0069	P	5.0
4	☐	100.000	104.166	207055.88	0.6533	P	0.5
5	☐	250.000	257.996	500060.07	1.6179	P	0.5
6	☐	500.000	513.353	952213.81	3.2192	P	0.9
7	☐	1000.000	1021.407	1833871.80	6.4051	P	0.6
8	☐	2000.000	1984.750	3749865.47	12.4461	P	0.3
9	☐			27845.35	0.0840	P	1.8

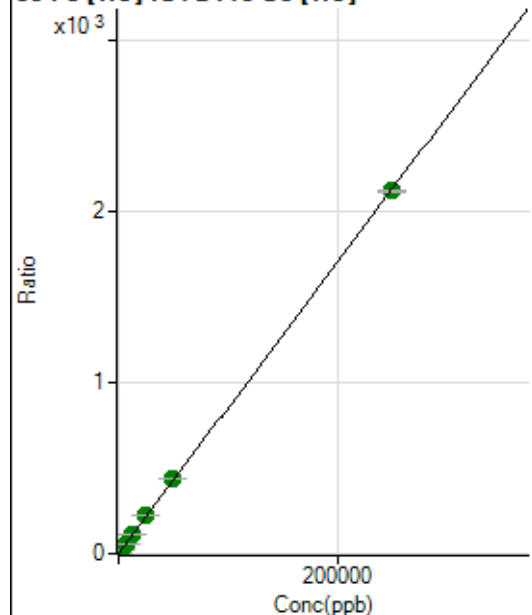
$$y = 0.0063 * x + 9.1369E-005$$

$$R = 0.9999$$

$$DL = 0.02042$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3333.81	0.0105	P	2.8
2	☐	5.000	6.065	18541.71	0.0620	P	6.0
3	☐	50.000	54.249	150043.44	0.4712	P	0.8
4	☐	2500.000	2738.471	7373407.81	23.2645	A	0.3
5	☐	6250.000	6780.373	17798570.54	57.5867	A	0.8
6	☐	12500.000	13479.964	33859948.21	114.4769	A	1.2
7	☐	25000.000	26828.640	65229044.97	227.8283	A	0.7
8	☐	50000.000	51969.194	132958595.5	441.3116	A	0.5
9	☐	250000.00	249358.65	702124052.7	2,117.461	A	0.8

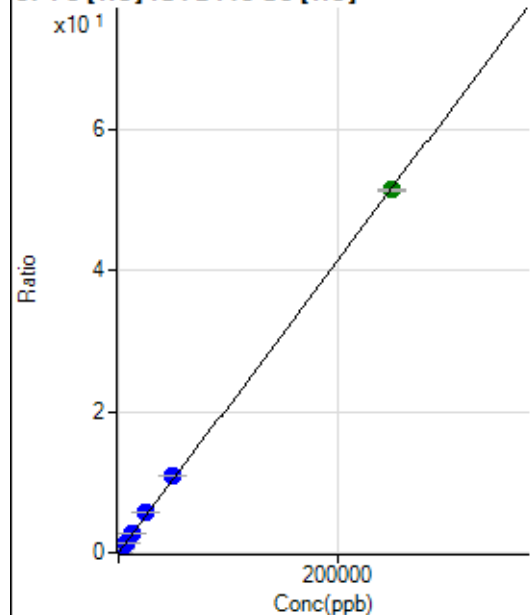
$$y = 0.0085 * x + 0.0105$$

$$R = 0.9999$$

$$DL = 0.1058$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	77.78	0.0002	P	18.8
2	☐	5.000	6.321	464.84	0.0016	P	11.1
3	☐	50.000	57.474	3859.87	0.0121	P	0.6
4	☐	2500.000	2757.189	180635.88	0.5699	P	0.2
5	☐	6250.000	6857.892	438029.98	1.4172	P	0.4
6	☐	12500.000	13644.431	833942.04	2.8195	P	1.3
7	☐	25000.000	27133.878	1605280.84	5.6067	P	0.2
8	☐	50000.000	53020.381	3300739.63	10.9554	P	0.6
9	☐	250000.00	249107.54	17066791.82	51.4711	A	0.2

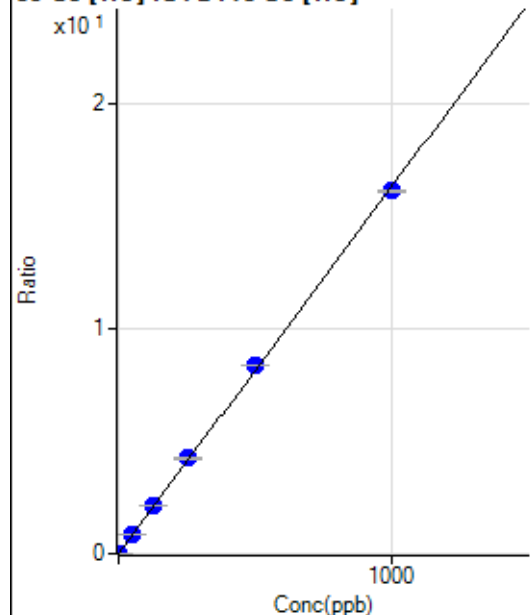
$$y = 2.0662E-004 * x + 2.4588E-004$$

$$R = 0.9999$$

$$DL = 0.6727$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	66.66	0.0002	P	17.2
2	☐	0.100	0.104	572.24	0.0019	P	6.1
3	☐	1.000	1.007	5294.36	0.0166	P	3.4
4	☐	50.000	53.529	276598.33	0.8727	P	0.5
5	☐	125.000	131.420	662130.71	2.1423	P	0.3
6	☐	250.000	260.250	1254797.31	4.2422	P	0.8
7	☐	500.000	514.605	2401655.48	8.3880	P	0.1
8	☐	1000.000	989.156	4857746.11	16.1230	P	0.5
9	☐			63741.19	0.1922	P	0.5

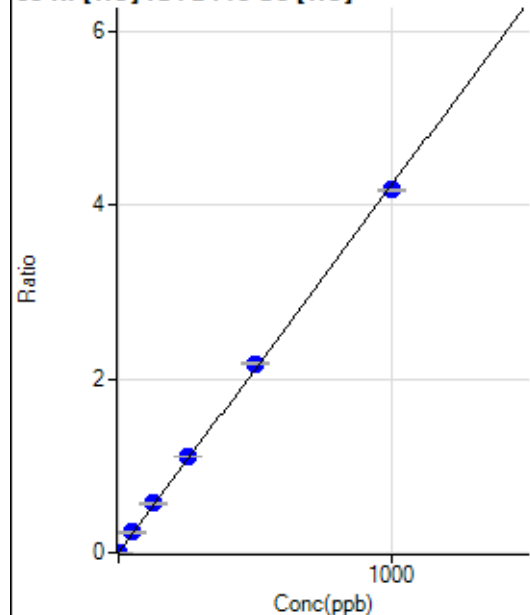
$$y = 0.0163 * x + 2.1073E-004$$

$$R = 0.9998$$

$$DL = 0.006687$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	43.33	0.0001	P	40.8
2	☐	0.100	0.134	210.01	0.0007	P	5.2
3	☐	1.000	1.195	1652.35	0.0052	P	3.6
4	☐	50.000	55.060	73808.99	0.2329	P	0.5
5	☐	125.000	133.983	175087.59	0.5665	P	0.8
6	☐	250.000	262.511	328257.13	1.1098	P	1.1
7	☐	500.000	515.347	623754.80	2.1786	P	0.3
8	☐	1000.000	987.823	1258115.23	4.1757	P	0.3
9	☐			40299.81	0.1215	P	1.6

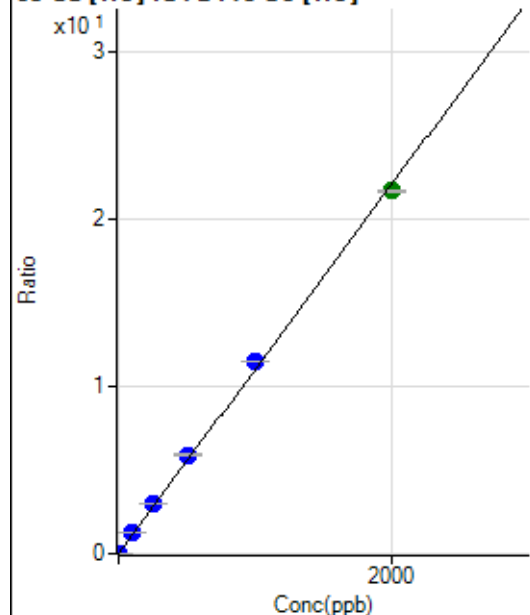
$$y = 0.0042 * x + 1.3705E-004$$

$$R = 0.9997$$

$$DL = 0.03969$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	321.12	0.0010	P	9.8
2	☐	0.200	0.255	1147.84	0.0038	P	2.7
3	☐	2.000	2.135	7823.33	0.0246	P	3.0
4	☐	100.000	111.301	389512.55	1.2290	P	0.6
5	☐	250.000	272.568	929766.28	3.0082	P	0.4
6	☐	500.000	535.530	1747959.05	5.9094	P	0.9
7	☐	1000.000	1042.208	3292572.03	11.4996	P	0.1
8	☐	2000.000	1966.627	6537336.71	21.6985	A	0.5
9	☐			16913.28	0.0510	P	0.7

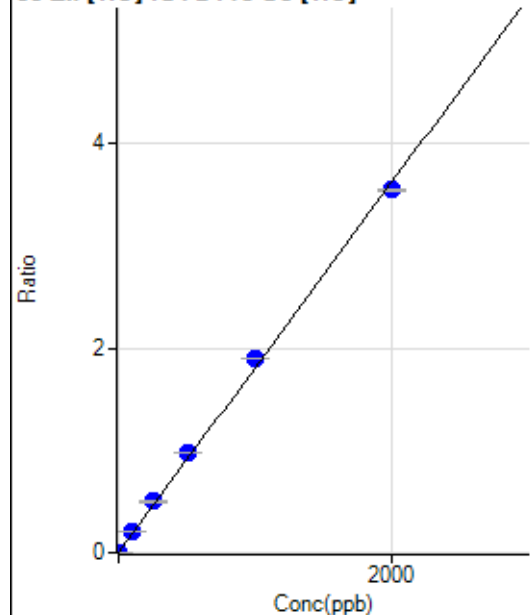
$$y = 0.0110 * x + 0.0010$$

$$R = 0.9995$$

$$DL = 0.02713$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	203.34	0.0006	P	10.4
2	☐	0.200	0.427	423.35	0.0014	P	3.8
3	☐	2.000	2.461	1623.45	0.0051	P	12.4
4	☐	100.000	111.513	64133.52	0.2024	P	0.3
5	☐	250.000	275.178	154043.47	0.4984	P	0.5
6	☐	500.000	539.301	288753.36	0.9762	P	0.5
7	☐	1000.000	1051.847	544940.20	1.9033	P	0.3
8	☐	2000.000	1960.528	1068650.96	3.5469	P	0.2
9	☐			9973.52	0.0301	P	1.2

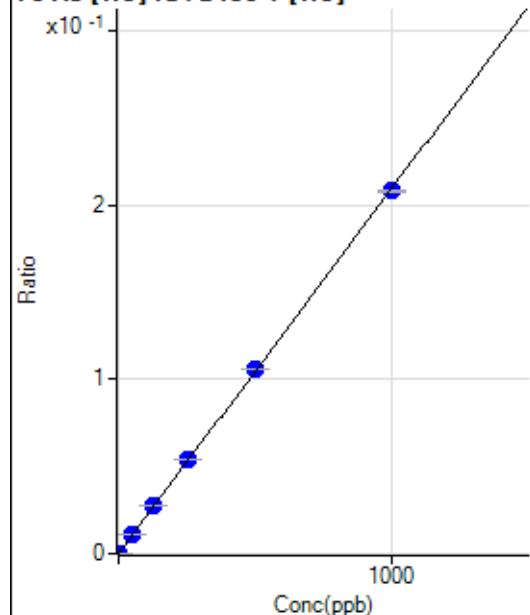
$$y = 0.0018 * x + 6.4289E-004$$

$$R = 0.9993$$

$$DL = 0.1104$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	7.40	0.0000	P	86.5
2	☐	0.100	0.110	43.21	0.0000	P	26.3
3	☐	1.000	0.974	347.54	0.0002	P	7.9
4	☐	50.000	53.461	18555.14	0.0112	P	0.8
5	☐	125.000	130.327	44390.92	0.0273	P	0.6
6	☐	250.000	257.147	84291.67	0.0538	P	0.2
7	☐	500.000	505.727	161326.22	0.1058	P	0.1
8	☐	1000.000	994.511	328370.52	0.2081	P	0.2
9	☐			650.02	0.0004	P	1.3

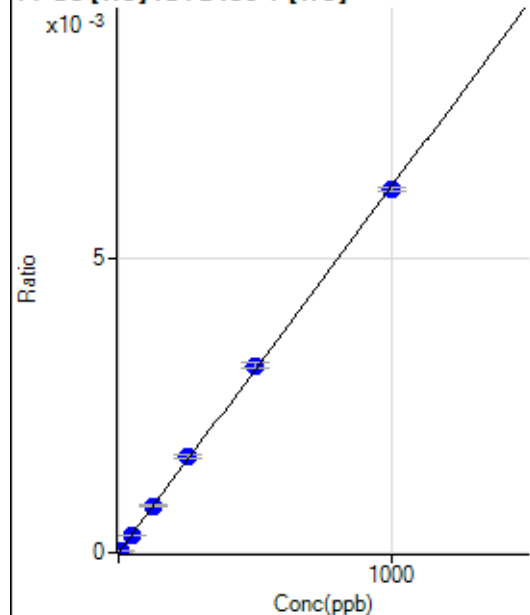
$$y = 2.0924\text{E-}004 * x + 4.4795\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.05556$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500	0.571	5.56	0.0000	P	36.9
3	☐	5.000	4.941	51.11	0.0000	P	40.6
4	☐	50.000	48.444	498.90	0.0003	P	5.5
5	☐	125.000	126.961	1283.41	0.0008	P	3.2
6	☐	250.000	262.770	2555.82	0.0016	P	4.1
7	☐	500.000	511.271	4840.88	0.0032	P	2.6
8	☐	1000.000	991.005	9713.39	0.0062	P	1.0
9	☐			8.89	0.0000	P	43.2

$$y = 6.2109\text{E-}006 * x + 0.0000\text{E+}000$$

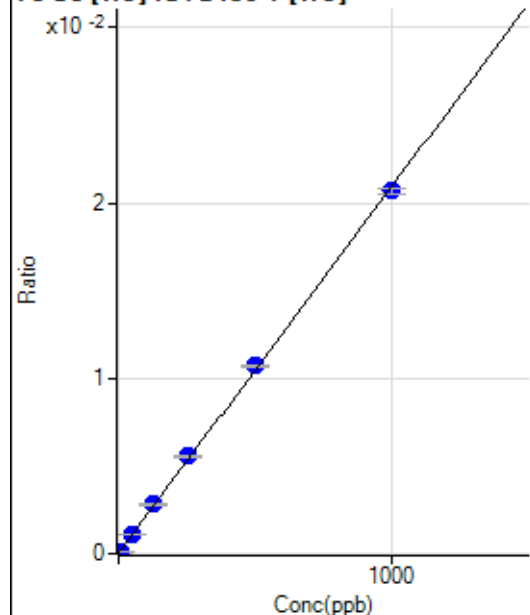
$$R = 0.9998$$

$$DL = 0$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	53.09	0.0000	P	25.0
2	☐	0.500	-0.001	50.62	0.0000	P	20.5
3	☐	5.000	5.275	237.66	0.0001	P	10.0
4	☐	50.000	53.508	1906.93	0.0012	P	0.3
5	☐	125.000	133.195	4581.63	0.0028	P	1.9
6	☐	250.000	265.209	8728.62	0.0056	P	2.5
7	☐	500.000	512.108	16360.53	0.0107	P	0.8
8	☐	1000.000	988.943	32651.53	0.0207	P	1.4
9	☐			85.80	0.0001	P	12.8

$$y = 2.0893E-005 * x + 3.2158E-005$$

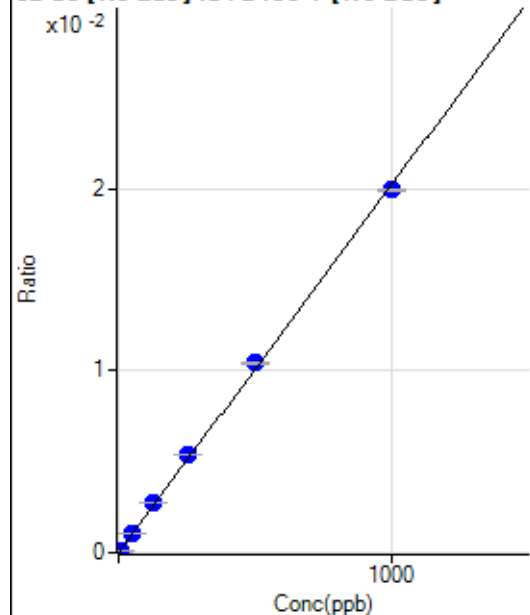
$$R = 0.9997$$

$$DL = 1.152$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-3.96	0.0000	P	-2021.
2	☐	0.500	0.580	141.49	0.0000	P	44.8
3	☐	5.000	5.520	1352.25	0.0001	P	1.7
4	☐	50.000	54.464	13300.23	0.0011	P	0.8
5	☐	125.000	135.069	32699.50	0.0027	P	1.0
6	☐	250.000	267.453	63178.65	0.0054	P	1.2
7	☐	500.000	515.140	116201.38	0.0104	P	0.9
8	☐	1000.000	986.583	228522.25	0.0199	P	0.4
9	☐			315.20	0.0000	P	15.8

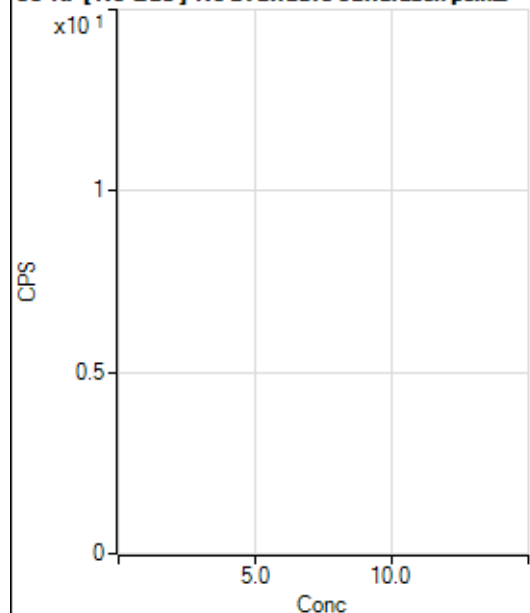
$$y = 2.0196E-005 * x - 2.9563E-007$$

$$R = 0.9996$$

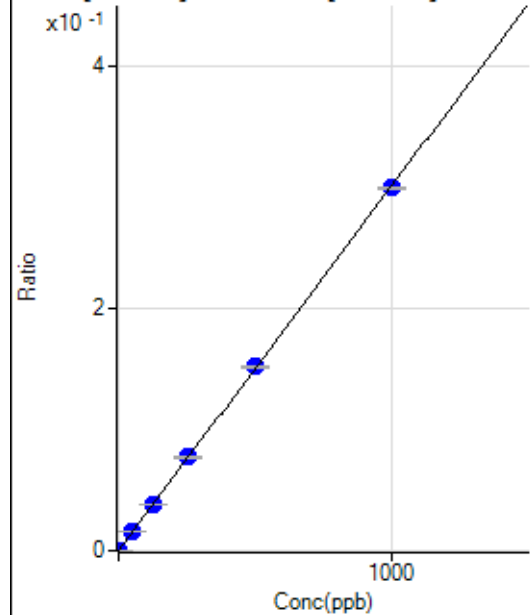
$$DL = 0.8878$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			608.91		P	10.9
2	☐			584.46		P	5.4
3	☐			554.47		P	2.4
4	☐			601.13		P	8.1
5	☐			647.80		P	9.8
6	☐			541.13		P	5.7
7	☐			572.24		P	3.5
8	☐			533.35		P	4.9
9	☐			636.69		P	2.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	919.51	0.0001	P	7.4
2	☐	0.100	0.066	1180.65	0.0001	P	0.5
3	☐	1.000	0.915	4267.47	0.0004	P	1.0
4	☐	50.000	50.608	185302.22	0.0153	P	0.8
5	☐	125.000	128.189	463869.72	0.0387	P	0.7
6	☐	250.000	256.020	903054.24	0.0772	P	1.2
7	☐	500.000	505.638	1702252.04	0.1524	P	1.1
8	☐	1000.000	995.247	3439657.45	0.2999	P	0.8
9	☐			16676.88	0.0014	P	3.0

$$y = 3.0125E-004 * x + 7.5134E-005$$

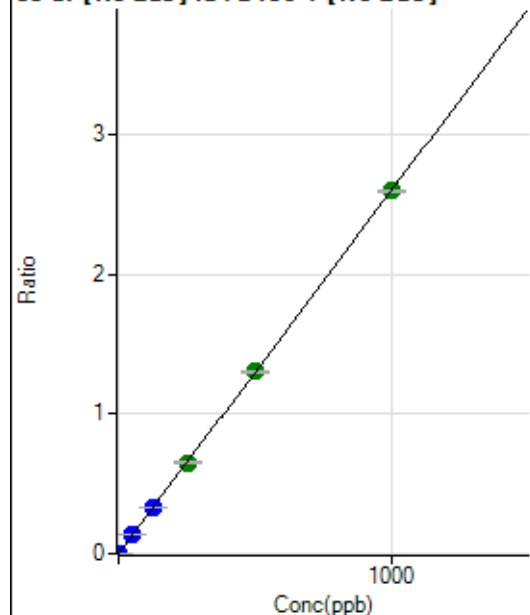
$$R = 1.0000$$

$$DL = 0.05569$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	111.11	0.0000	P	24.3
2	☐	0.100	0.089	3000.45	0.0002	P	4.6
3	☐	1.000	0.936	29728.89	0.0024	P	2.4
4	☐	50.000	51.397	1618421.06	0.1338	P	0.6
5	☐	125.000	128.607	4013995.14	0.3348	P	0.2
6	☐	250.000	251.273	7652377.86	0.6541	A	0.6
7	☐	500.000	500.844	14563995.47	1.3038	A	0.4
8	☐	1000.000	998.739	29820762.82	2.6000	A	0.4
9	☐			139174.64	0.0121	P	0.6

$$y = 0.0026 * x + 9.0849E-006$$

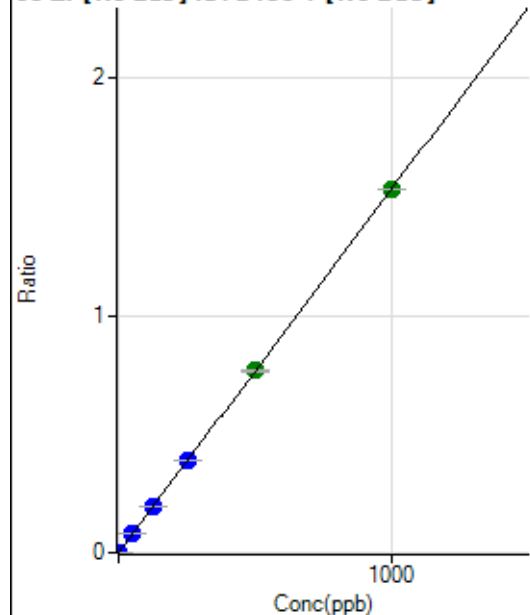
$$R = 1.0000$$

$$DL = 0.002545$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	938.96	0.0001	P	6.9
2	☐	0.100	0.087	2605.91	0.0002	P	4.5
3	☐	1.000	0.939	18423.56	0.0015	P	1.2
4	☐	50.000	50.455	935813.62	0.0774	P	0.9
5	☐	125.000	127.436	2341553.42	0.1953	P	0.2
6	☐	250.000	255.111	4572874.67	0.3909	P	0.5
7	☐	500.000	500.641	8568189.08	0.7671	A	0.4
8	☐	1000.000	998.074	17538224.18	1.5291	A	0.2
9	☐			8839.21	0.0008	P	2.7

$$y = 0.0015 * x + 7.6725E-005$$

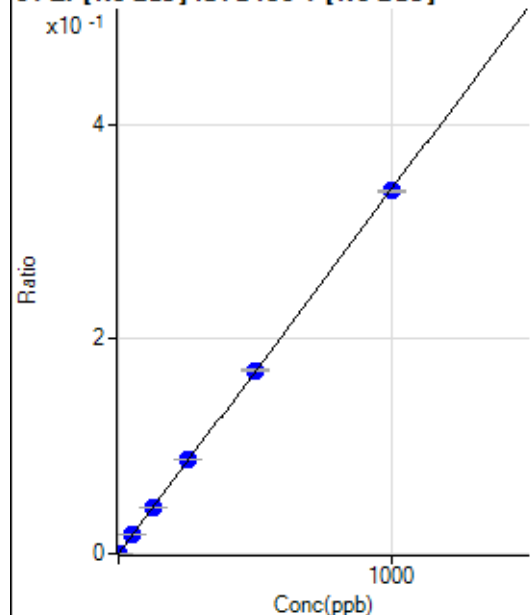
$$R = 1.0000$$

$$DL = 0.01031$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	186.12	0.0000	P	20.9
2	☐	0.100	0.101	613.93	0.0000	P	8.9
3	☐	1.000	0.940	4067.42	0.0003	P	2.9
4	☐	50.000	50.510	207786.51	0.0172	P	1.1
5	☐	125.000	128.383	523231.96	0.0436	P	0.7
6	☐	250.000	257.780	1024929.85	0.0876	P	0.7
7	☐	500.000	503.633	1911888.21	0.1712	P	0.4
8	☐	1000.000	995.790	3881461.02	0.3384	P	0.7
9	☐			2061.35	0.0002	P	4.3

$$y = 3.3983\text{E-}004 * x + 1.5206\text{E-}005$$

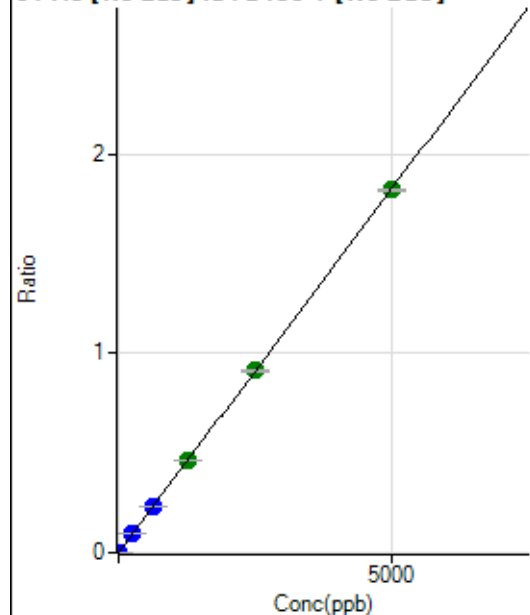
$$R = 1.0000$$

$$DL = 0.02805$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	241.68	0.0000	P	5.8
2	☐	0.500	0.496	2497.55	0.0002	P	3.2
3	☐	5.000	4.890	21964.85	0.0018	P	2.6
4	☐	250.000	256.354	1132906.03	0.0937	P	0.4
5	☐	625.000	644.178	2821436.59	0.2353	P	0.6
6	☐	1250.000	1267.528	5416951.86	0.4631	A	0.5
7	☐	2500.000	2506.539	10227851.96	0.9157	A	0.7
8	☐	5000.000	4989.634	20905865.40	1.8228	A	0.3
9	☐			26247.15	0.0023	P	1.2

$$y = 3.6530\text{E-}004 * x + 1.9754\text{E-}005$$

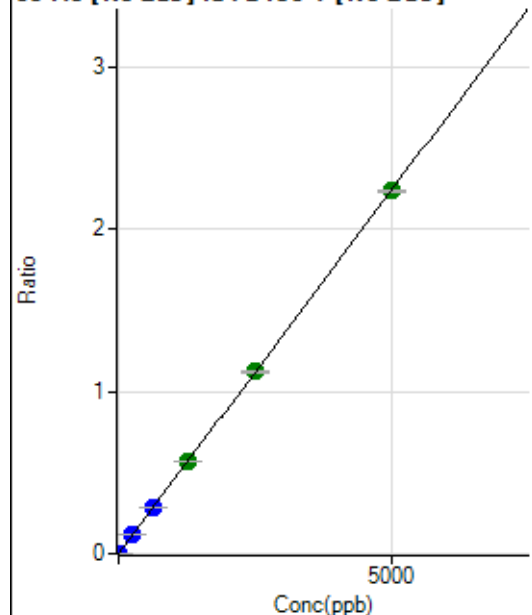
$$R = 1.0000$$

$$DL = 0.009383$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	44.45	0.0000	P	53.9
2	☐	0.500	0.487	2758.71	0.0002	P	4.2
3	☐	5.000	4.950	27045.91	0.0022	P	3.4
4	☐	250.000	255.188	1384663.12	0.1145	P	0.8
5	☐	625.000	641.340	3449417.31	0.2877	P	0.2
6	☐	1250.000	1268.415	6656555.57	0.5690	A	0.6
7	☐	2500.000	2504.646	12550644.03	1.1236	A	0.7
8	☐	5000.000	4990.771	25679264.46	2.2389	A	0.6
9	☐			41149.07	0.0036	P	1.9

$$y = 4.4861\text{E-}004 * x + 3.6268\text{E-}006$$

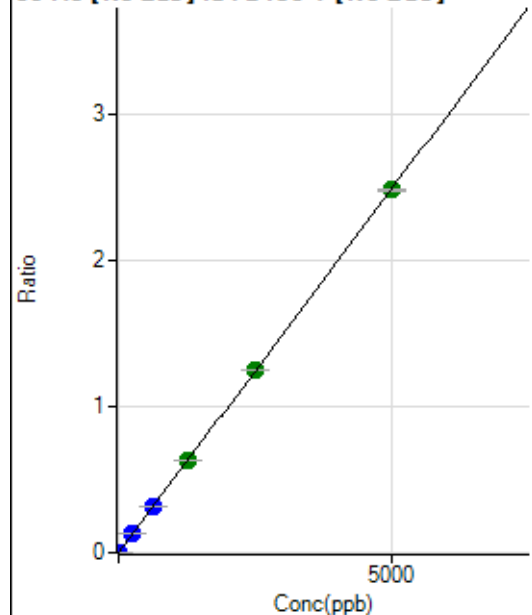
$$R = 1.0000$$

$$DL = 0.01307$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	141.67	0.0000	P	5.8
2	☐	0.500	0.484	3128.26	0.0003	P	8.6
3	☐	5.000	4.930	29929.60	0.0025	P	2.2
4	☐	250.000	255.023	1532791.58	0.1267	P	0.8
5	☐	625.000	641.791	3823455.73	0.3189	P	0.2
6	☐	1250.000	1263.051	7341846.17	0.6276	A	0.7
7	☐	2500.000	2508.805	13924798.58	1.2466	A	0.3
8	☐	5000.000	4989.985	28438659.32	2.4795	A	0.5
9	☐			51920.37	0.0045	P	1.4

$$y = 4.9690\text{E-}004 * x + 1.1580\text{E-}005$$

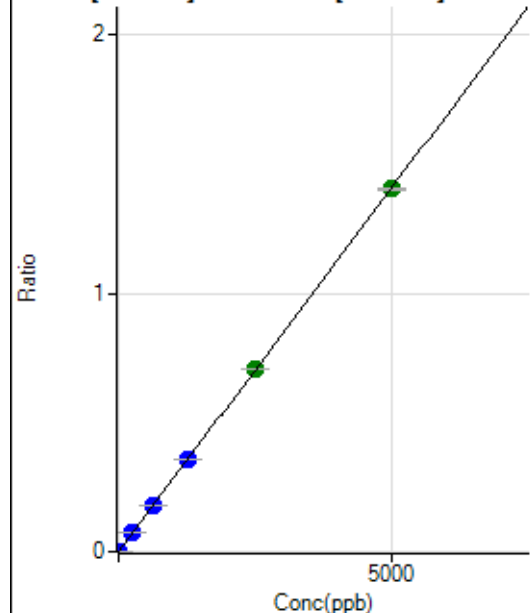
$$R = 1.0000$$

$$DL = 0.004059$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	27.78	0.0000	P	17.9
2	☐	0.500	0.470	1672.40	0.0001	P	3.9
3	☐	5.000	4.939	16932.86	0.0014	P	3.3
4	☐	250.000	253.548	863274.82	0.0714	P	0.8
5	☐	625.000	640.023	2159967.02	0.1802	P	0.3
6	☐	1250.000	1266.161	4169321.40	0.3564	P	0.7
7	☐	2500.000	2507.326	7883765.02	0.7058	A	0.3
8	☐	5000.000	4990.242	16111263.21	1.4047	A	0.2
9	☐			25359.39	0.0022	P	1.9

$$y = 2.8149\text{E-}004 * x + 2.2720\text{E-}006$$

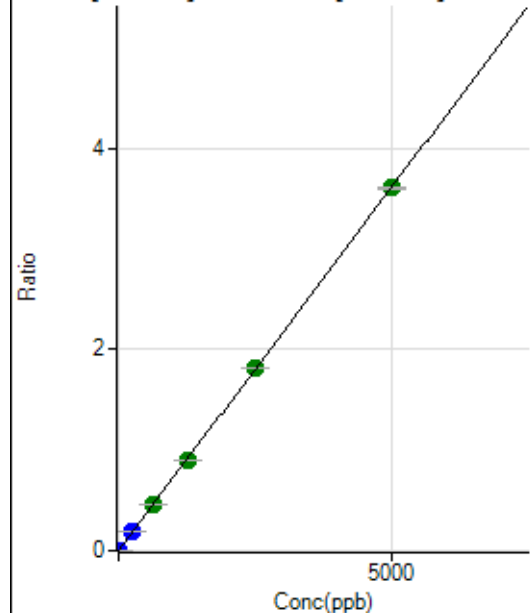
$$R = 1.0000$$

$$DL = 0.004329$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	122.23	0.0000	P	4.7
2	☐	0.500	0.467	4309.17	0.0003	P	4.8
3	☐	5.000	4.849	42692.62	0.0035	P	0.5
4	☐	250.000	254.810	2224914.65	0.1840	P	0.9
5	☐	625.000	627.609	5431890.27	0.4531	A	0.5
6	☐	1250.000	1250.590	10561118.03	0.9028	A	0.6
7	☐	2500.000	2507.853	20222559.48	1.8104	A	0.2
8	☐	5000.000	4995.360	41360818.29	3.6062	A	0.3
9	☐			63695.50	0.0055	P	2.3

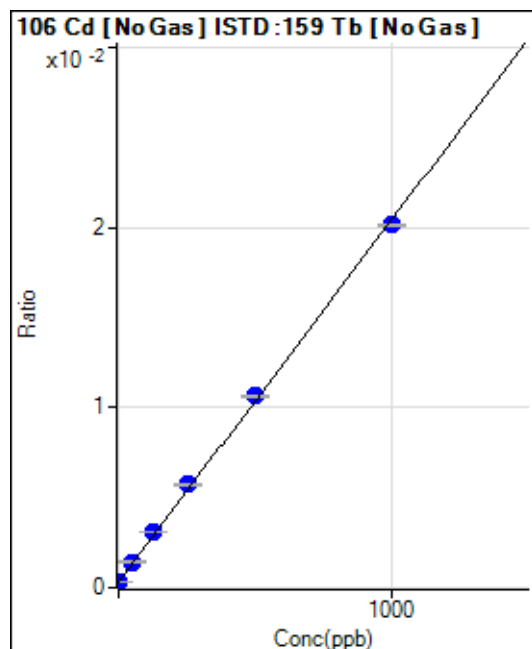
$$y = 7.2190\text{E-}004 * x + 9.9937\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.001948$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	5251.23	0.0003	P	2.2
2	☐	0.100	-1.032	4987.23	0.0003	P	4.8
3	☐	1.000	1.264	5648.62	0.0003	P	5.6
4	☐	50.000	55.706	23731.82	0.0014	P	2.4
5	☐	125.000	137.920	51226.87	0.0031	P	0.7
6	☐	250.000	269.158	94553.68	0.0057	P	1.5
7	☐	500.000	513.720	171230.25	0.0106	P	0.9
8	☐	1000.000	986.450	332687.50	0.0201	P	0.8
9	☐			4848.25	0.0003	P	4.8

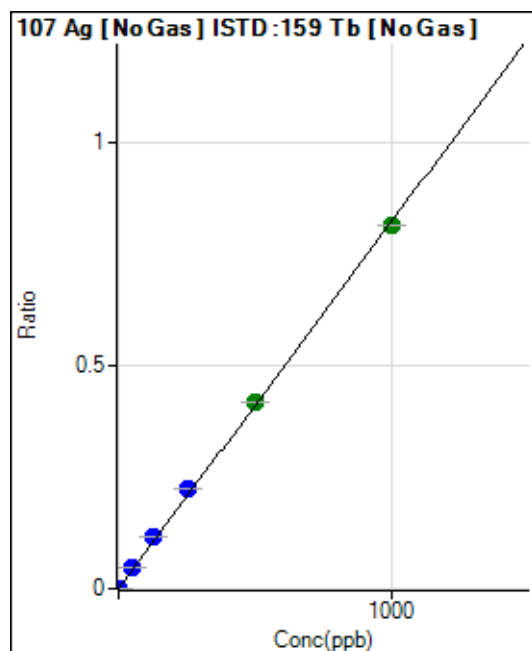
$$y = 2.0082\text{E-}005 * x + 3.1624\text{E-}004$$

$$R = 0.9996$$

$$DL = 1.021$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	69.45	0.0000	P	36.2
2	☐	0.100	0.086	1269.55	0.0001	P	1.5
3	☐	1.000	0.838	11482.93	0.0007	P	2.5
4	☐	50.000	57.003	776864.15	0.0470	P	0.2
5	☐	125.000	140.177	1917480.62	0.1155	P	0.6
6	☐	250.000	271.100	3691677.56	0.2234	P	0.7
7	☐	500.000	508.135	6743056.23	0.4187	A	0.6
8	☐	1000.000	988.410	13463119.57	0.8145	A	0.1
9	☐			1458.47	0.0001	P	0.5

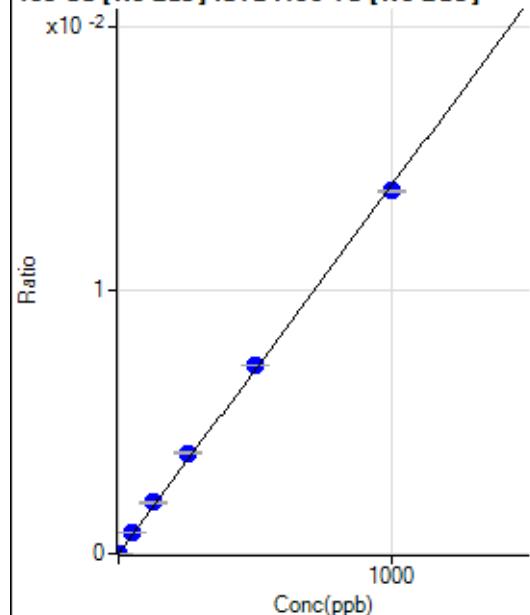
$$y = 8.2401\text{E-}004 * x + 4.1776\text{E-}006$$

$$R = 0.9996$$

$$DL = 0.005511$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	15.28	0.0000	P	15.4
2	☐	0.100	0.081	34.72	0.0000	P	7.8
3	☐	1.000	0.919	227.78	0.0000	P	4.2
4	☐	50.000	55.398	12831.04	0.0008	P	1.3
5	☐	125.000	139.338	32370.55	0.0019	P	1.4
6	☐	250.000	272.406	62982.46	0.0038	P	1.8
7	☐	500.000	512.720	115514.20	0.0072	P	0.7
8	☐	1000.000	985.976	227999.50	0.0138	P	0.5
9	☐			116.67	0.0000	P	12.9

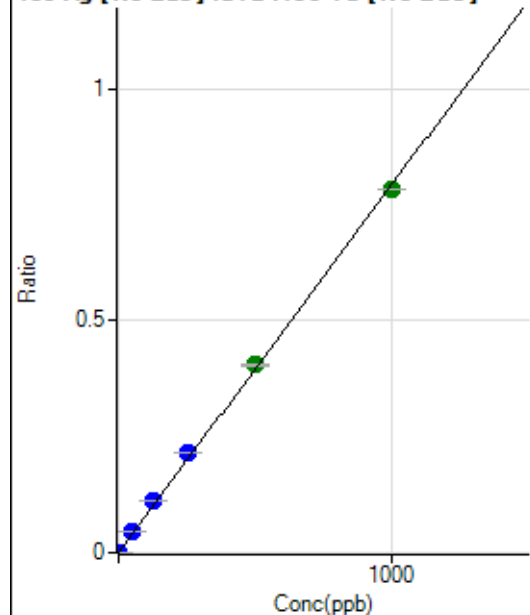
$$y = 1.3988\text{E-}005 * x + 9.1989\text{E-}007$$

$$R = 0.9995$$

$$DL = 0.03039$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	30.56	0.0000	P	95.7
2	☐	0.100	0.080	1108.42	0.0001	P	7.8
3	☐	1.000	0.848	11154.79	0.0007	P	1.3
4	☐	50.000	56.941	746773.21	0.0452	P	1.0
5	☐	125.000	140.340	1847467.34	0.1113	P	0.5
6	☐	250.000	272.666	3573279.29	0.2162	P	0.4
7	☐	500.000	510.603	6520894.07	0.4049	A	0.3
8	☐	1000.000	986.767	12935135.79	0.7825	A	0.1
9	☐			1361.24	0.0001	P	5.9

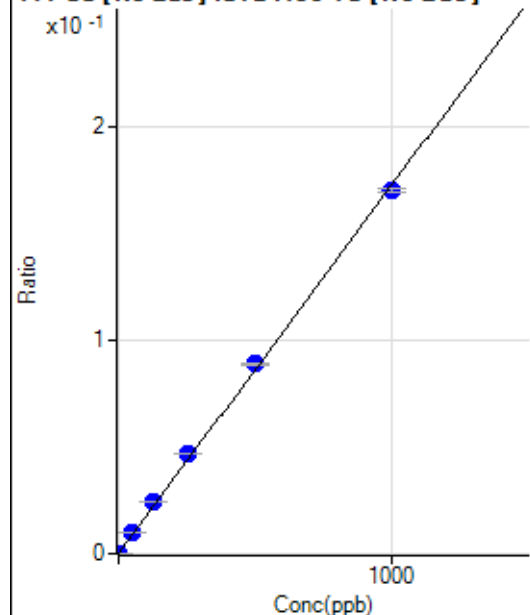
$$y = 7.9301\text{E-}004 * x + 1.8449\text{E-}006$$

$$R = 0.9996$$

$$DL = 0.006678$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1045.10	0.0001	P	2.4
2	☐	0.100	0.068	1259.26	0.0001	P	3.5
3	☐	1.000	1.058	4056.78	0.0002	P	2.9
4	☐	50.000	56.153	161080.20	0.0097	P	0.7
5	☐	125.000	138.911	398443.26	0.0240	P	1.1
6	☐	250.000	271.248	773560.03	0.0468	P	0.4
7	☐	500.000	514.930	1430116.16	0.0888	P	1.2
8	☐	1000.000	985.177	2807657.52	0.1698	P	1.1
9	☐			1821.37	0.0001	P	1.3

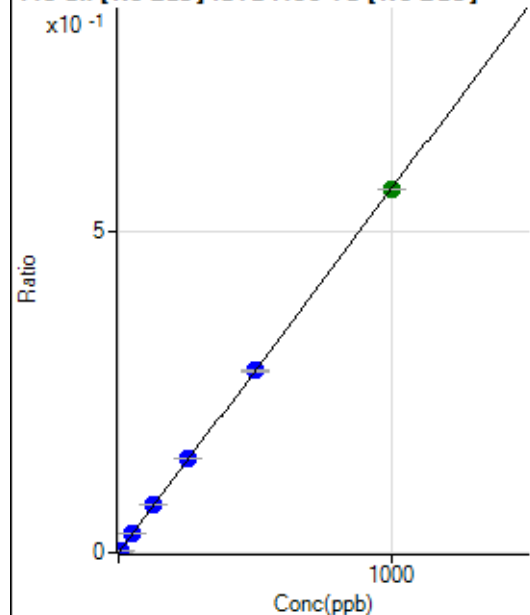
$$y = 1.7234\text{E-}004 * x + 6.2938\text{E-}005$$

$$R = 0.9995$$

$$DL = 0.02593$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	505.59	0.0000	P	15.5
2	☐	0.500	0.527	5548.56	0.0003	P	1.4
3	☐	5.000	5.053	47773.73	0.0029	P	3.1
4	☐	50.000	52.798	494497.57	0.0299	P	0.6
5	☐	125.000	132.419	1244137.67	0.0749	P	0.5
6	☐	250.000	259.623	2427827.35	0.1469	P	0.3
7	☐	500.000	499.445	4550945.37	0.2826	P	0.9
8	☐	1000.000	996.804	9322729.89	0.5640	A	0.1
9	☐			22424.20	0.0014	P	0.7

$$y = 5.6576\text{E-}004 * x + 3.0458\text{E-}005$$

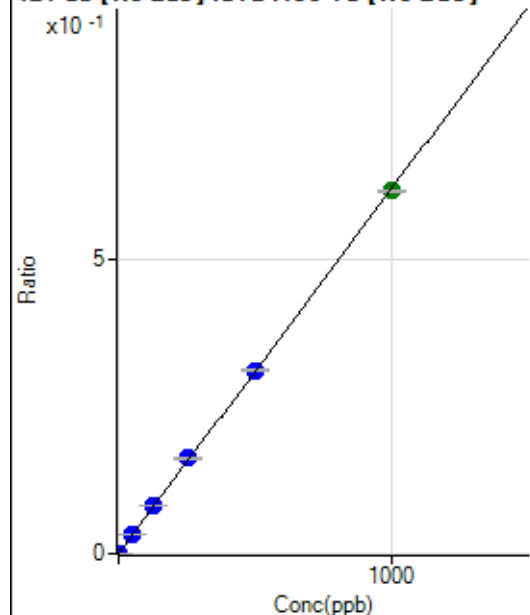
$$R = 0.9999$$

$$DL = 0.0251$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	30.56	0.0000	P	16.2
2	☐	0.200	0.190	2016.91	0.0001	P	12.8
3	☐	2.000	1.929	19759.01	0.0012	P	3.0
4	☐	50.000	53.181	544009.61	0.0329	P	0.7
5	☐	125.000	132.767	1363206.86	0.0821	P	0.5
6	☐	250.000	261.045	2668255.20	0.1615	P	0.4
7	☐	500.000	503.164	5011901.98	0.3112	P	0.5
8	☐	1000.000	994.527	10168275.32	0.6151	A	0.2
9	☐			13671.08	0.0008	P	1.7

$$y = 6.1852\text{E-}004 * x + 1.8413\text{E-}006$$

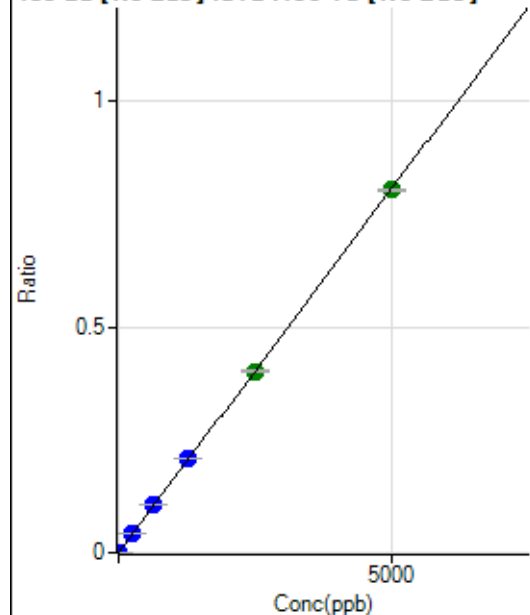
$$R = 0.9999$$

$$DL = 0.001447$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	19.44	0.0000	P	65.6
2	☐	1.000	0.957	2625.36	0.0002	P	1.4
3	☐	10.000	9.766	26075.16	0.0016	P	1.3
4	☐	250.000	262.405	700128.13	0.0423	P	0.8
5	☐	625.000	656.829	1759087.15	0.1060	P	0.8
6	☐	1250.000	1296.786	3457349.64	0.2092	P	0.7
7	☐	2500.000	2495.861	6484660.87	0.4027	A	0.1
8	☐	5000.000	4985.774	13296327.90	0.8044	A	0.5
9	☐			2428.09	0.0001	P	2.7

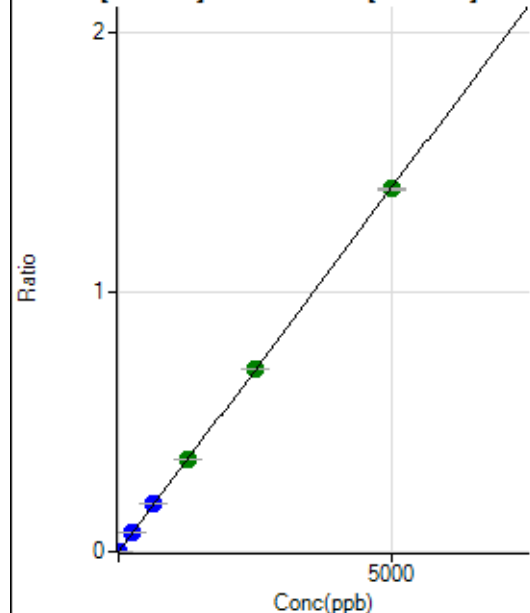
$$y = 1.6133\text{E-}004 * x + 1.1724\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.01429$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	27.78	0.0000	P	46.2
2	☐	1.000	0.958	4562.04	0.0003	P	5.3
3	☐	10.000	9.811	45542.19	0.0028	P	0.7
4	☐	250.000	264.217	1225857.13	0.0741	P	1.0
5	☐	625.000	657.738	3063152.52	0.1845	P	0.5
6	☐	1250.000	1277.467	5922526.35	0.3584	A	0.4
7	☐	2500.000	2504.767	11316479.33	0.7027	A	0.2
8	☐	5000.000	4985.947	23122000.34	1.3988	A	0.3
9	☐			4109.13	0.0003	P	7.6

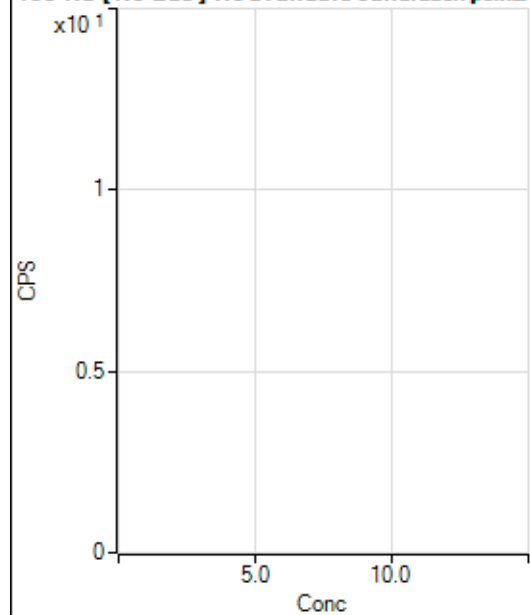
$$y = 2.8055E-004 * x + 1.6745E-006$$

$$R = 1.0000$$

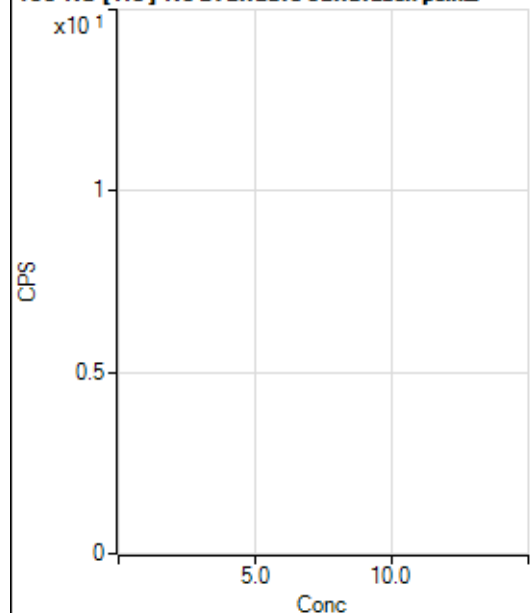
$$DL = 0.008271$$

Weight: <None>

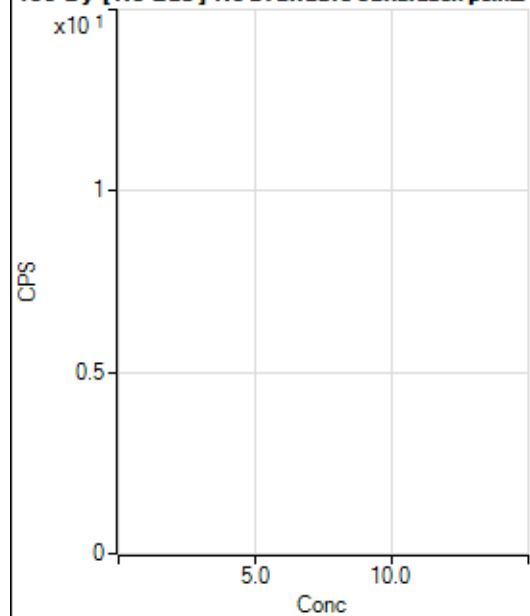
Min Conc: 0

150 Nd [No Gas] No available calibration points

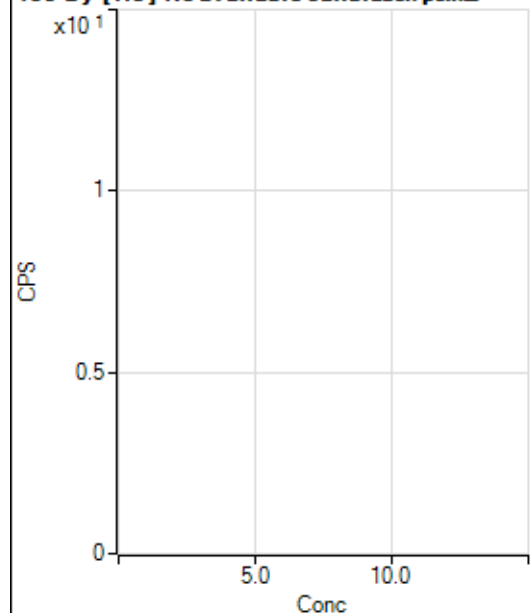
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			2.22		P	173.2
2	☐			4.45		P	86.6
3	☐			0.00		P	
4	☐			88.89		P	31.2
5	☐			137.78		P	7.4
6	☐			311.13		P	19.3
7	☐			624.48		P	13.2
8	☐			1264.54		P	5.2
9	☐			295.57		P	11.4

150 Nd [He] No available calibration points

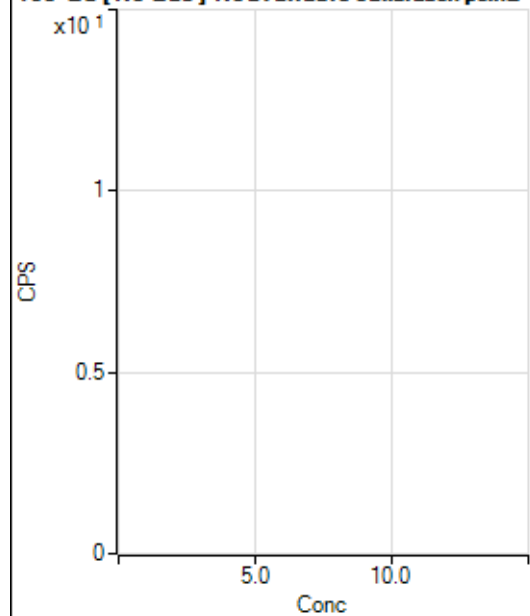
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			1.11		P	173.2
3	☐			1.11		P	173.2
4	☐			5.55		P	69.3
5	☐			14.45		P	48.0
6	☐			34.45		P	20.1
7	☐			47.78		P	35.8
8	☐			106.67		P	14.3
9	☐			96.67		P	9.1

156 Dy [No Gas] No available calibration points

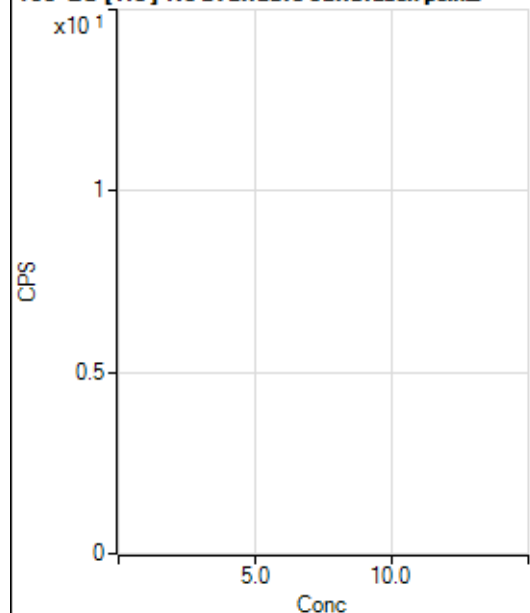
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	114.6
2	☐			5.55		P	86.6
3	☐			5.55		P	86.6
4	☐			11.11		P	43.3
5	☐			41.67		P	87.2
6	☐			86.12		P	24.4
7	☐			150.01		P	14.7
8	☐			283.35		P	7.8
9	☐			252.79		P	18.7

156 Dy [He] No available calibration points

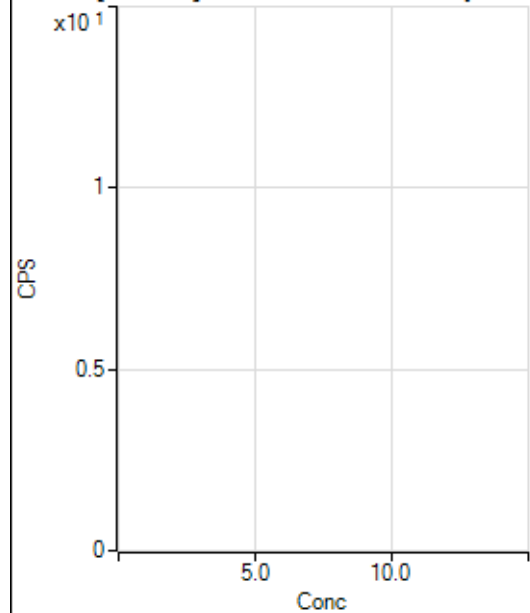
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	69.3
2	☐			4.44		P	114.6
3	☐			5.55		P	124.9
4	☐			16.67		P	40.0
5	☐			27.78		P	30.2
6	☐			80.00		P	23.2
7	☐			128.89		P	9.1
8	☐			255.56		P	2.7
9	☐			114.45		P	16.6

160 Gd [No Gas] Noavailable calibration poin_

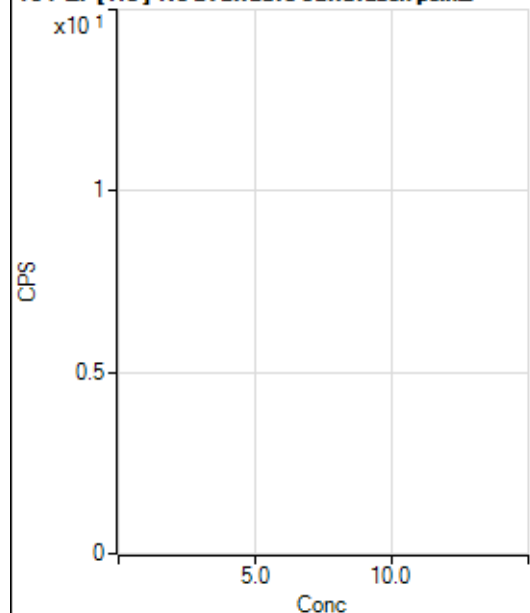
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			72.23		P	26.7
2	☐			69.45		P	18.3
3	☐			66.67		P	21.7
4	☐			94.45		P	27.0
5	☐			97.22		P	21.6
6	☐			77.78		P	60.9
7	☐			83.34		P	10.0
8	☐			125.01		P	46.2
9	☐			147.23		P	3.3

160 Gd [He] No available calibration points

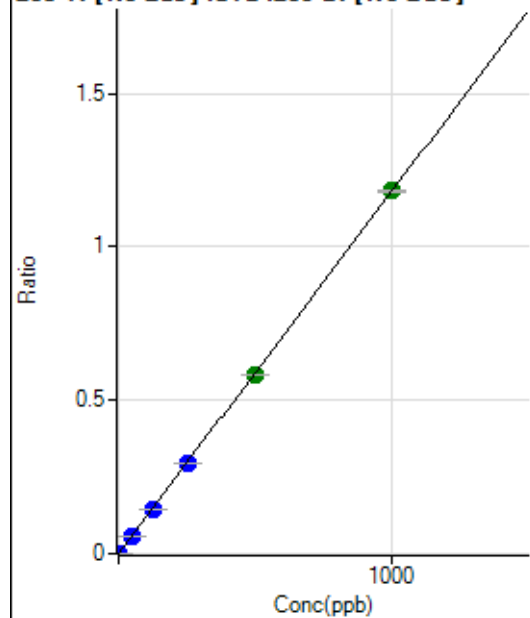
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			206.67		P	16.8
2	☐			197.78		P	15.7
3	☐			216.67		P	3.1
4	☐			178.89		P	13.5
5	☐			214.45		P	10.0
6	☐			197.79		P	6.8
7	☐			201.11		P	6.3
8	☐			235.56		P	10.8
9	☐			217.78		P	2.3

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	57.7
2	☐			52.78		P	48.2
3	☐			63.89		P	7.5
4	☐			66.67		P	50.0
5	☐			58.34		P	37.8
6	☐			47.22		P	81.5
7	☐			72.22		P	6.7
8	☐			77.78		P	50.6
9	☐			108.34		P	23.1

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			26.66		P	21.7
2	☐			22.22		P	17.3
3	☐			35.55		P	10.8
4	☐			31.11		P	30.9
5	☐			31.11		P	16.4
6	☐			18.89		P	20.4
7	☐			27.78		P	18.3
8	☐			31.11		P	40.6
9	☐			50.00		P	11.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	244.46	0.0000	P	17.5
2	☐	0.100	0.087	1436.25	0.0001	P	4.8
3	☐	1.000	0.889	11978.06	0.0011	P	2.0
4	☐	50.000	48.847	643755.50	0.0576	P	1.0
5	☐	125.000	123.585	1626011.30	0.1458	P	0.6
6	☐	250.000	249.891	3232298.27	0.2947	P	0.7
7	☐	500.000	496.035	6195730.30	0.5850	A	0.1
8	☐	1000.000	1002.244	12530669.55	1.1821	A	0.7
9	☐			12147.73	0.0013	P	5.2

$$y = 0.0012 * x + 2.1382E-005$$

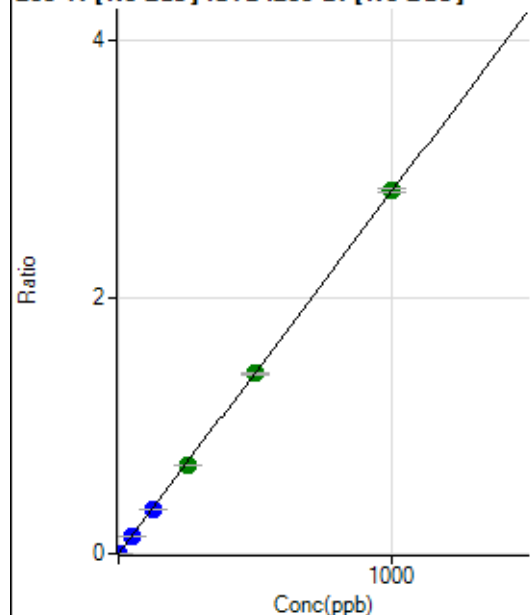
$$R = 1.0000$$

$$DL = 0.009533$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	530.59	0.0000	P	16.6
2	☐	0.100	0.087	3353.36	0.0003	P	0.9
3	☐	1.000	0.895	28818.46	0.0026	P	1.2
4	☐	50.000	49.370	1557765.57	0.1395	P	0.6
5	☐	125.000	123.973	3905172.53	0.3501	P	0.0
6	☐	250.000	246.398	7630839.49	0.6958	A	0.4
7	☐	500.000	497.020	14863608.15	1.4035	A	0.1
8	☐	1000.000	1002.550	30010160.74	2.8310	A	1.0
9	☐			29333.35	0.0031	P	1.0

$$y = 0.0028 * x + 4.6357E-005$$

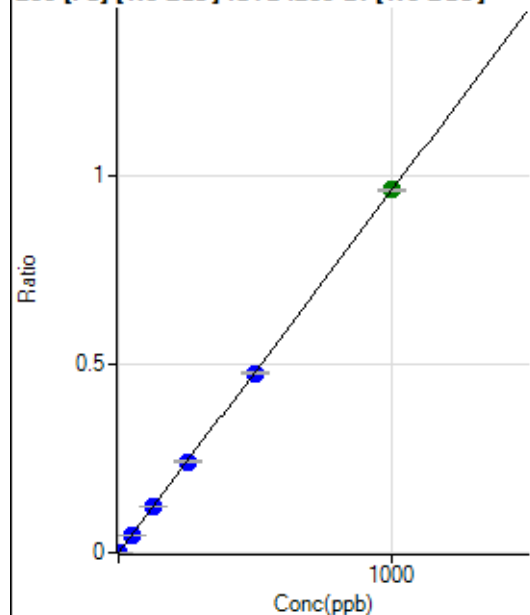
$$R = 1.0000$$

$$DL = 0.008189$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	322.24	0.0000	P	13.9
2	☐	0.100	0.092	1340.84	0.0001	P	2.2
3	☐	1.000	0.915	10167.11	0.0009	P	2.7
4	☐	50.000	49.401	531253.30	0.0476	P	0.8
5	☐	125.000	125.171	1343636.44	0.1205	P	0.1
6	☐	250.000	252.101	2660426.22	0.2426	P	0.3
7	☐	500.000	494.622	5040154.86	0.4759	P	0.8
8	☐	1000.000	1002.173	10221920.60	0.9643	A	0.9
9	☐			52591.34	0.0056	P	0.1

$$y = 9.6217E-004 * x + 2.8182E-005$$

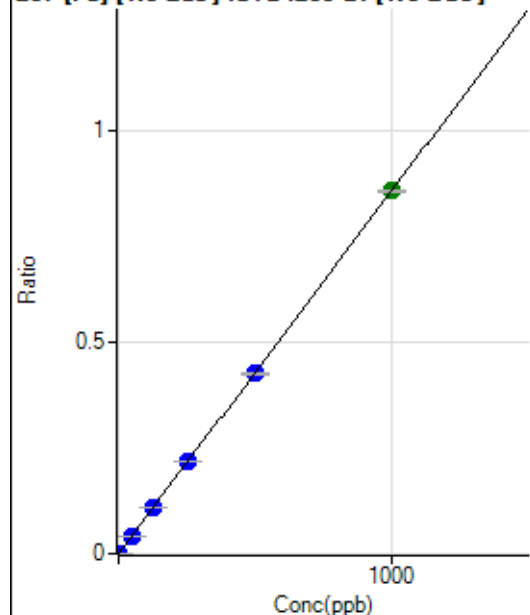
$$R = 1.0000$$

$$DL = 0.01223$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	279.64	0.0000	P	14.0
2	☐	0.100	0.088	1155.64	0.0001	P	1.8
3	☐	1.000	0.876	8677.14	0.0008	P	2.7
4	☐	50.000	49.379	472885.69	0.0423	P	0.3
5	☐	125.000	125.324	1198012.24	0.1074	P	0.2
6	☐	250.000	253.168	2379236.48	0.2170	P	0.3
7	☐	500.000	497.745	4516734.91	0.4265	P	1.1
8	☐	1000.000	1000.326	9086328.33	0.8572	A	0.6
9	☐			43488.33	0.0046	P	1.1

$$y = 8.5685E-004 * x + 2.4438E-005$$

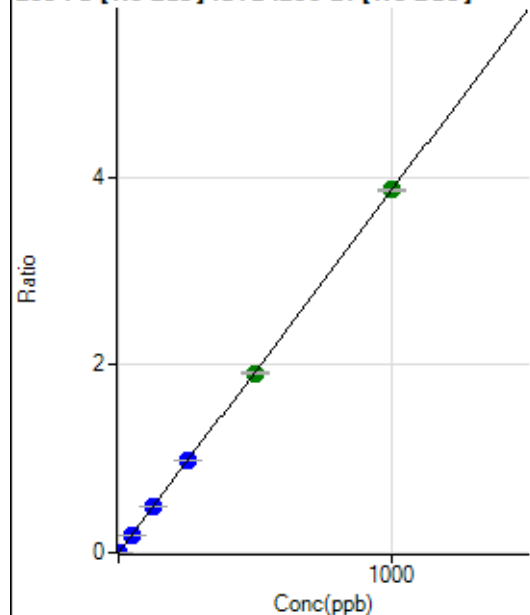
$$R = 1.0000$$

$$DL = 0.01199$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1275.99	0.0001	P	6.2
2	☐	0.100	0.091	5328.36	0.0005	P	1.3
3	☐	1.000	0.887	39575.73	0.0035	P	0.8
4	☐	50.000	49.428	2131679.85	0.1908	P	0.4
5	☐	125.000	125.193	5389431.32	0.4832	P	0.3
6	☐	250.000	252.888	10702539.74	0.9759	P	0.4
7	☐	500.000	495.355	20242913.96	1.9115	A	0.5
8	☐	1000.000	1001.605	40971177.88	3.8650	A	0.5
9	☐			204069.08	0.0218	P	0.7

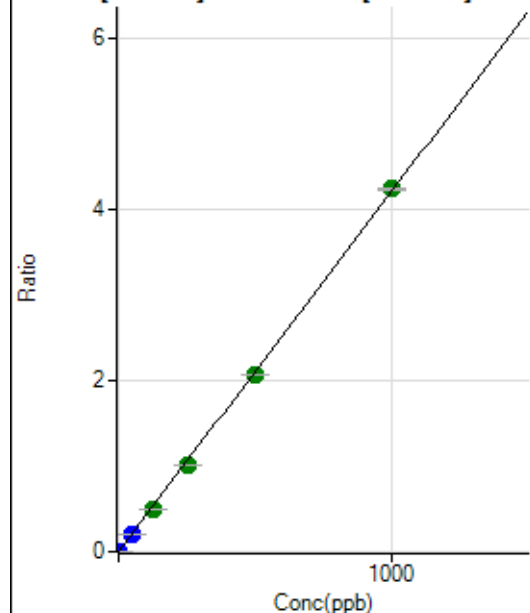
$$y = 0.0039 * x + 1.1155E-004$$

$$R = 1.0000$$

$$DL = 0.00542$$

Weight: <None>

Min Conc: 0

²³²Th [No Gas] ISTD :²⁰⁹Bi [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	127.78	0.0000	P	15.2
2	☐	0.100	0.088	4391.61	0.0004	P	3.8
3	☐	1.000	0.848	40101.14	0.0036	P	0.6
4	☐	50.000	46.503	2188485.68	0.1959	P	1.0
5	☐	125.000	117.345	5514093.29	0.4944	A	0.4
6	☐	250.000	239.771	11077962.52	1.0101	A	0.2
7	☐	500.000	492.854	21988802.81	2.0764	A	0.0
8	☐	1000.000	1007.262	44984528.78	4.2435	A	0.2
9	☐			7222.58	0.0008	P	3.5

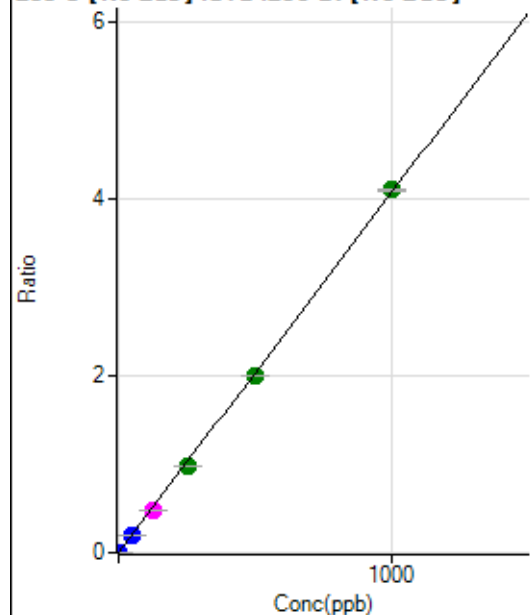
$$y = 0.0042 * x + 1.1165E-005$$

$$R = 0.9999$$

$$DL = 0.001207$$

Weight: <None>

Min Conc: 0

²³⁸U [No Gas] ISTD :²⁰⁹Bi [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	72.23	0.0000	P	40.8
2	☐	0.100	0.081	3859.10	0.0003	P	3.8
3	☐	1.000	0.844	38466.79	0.0034	P	1.9
4	☐	50.000	46.789	2123309.03	0.1901	P	1.1
5	☐	125.000	118.345	5362568.04	0.4808	M	1.3
6	☐	250.000	240.142	10698934.09	0.9756	A	0.3
7	☐	500.000	491.156	21130793.35	1.9953	A	0.1
8	☐	1000.000	1007.879	43404652.01	4.0945	A	0.6
9	☐			3686.81	0.0004	P	4.9

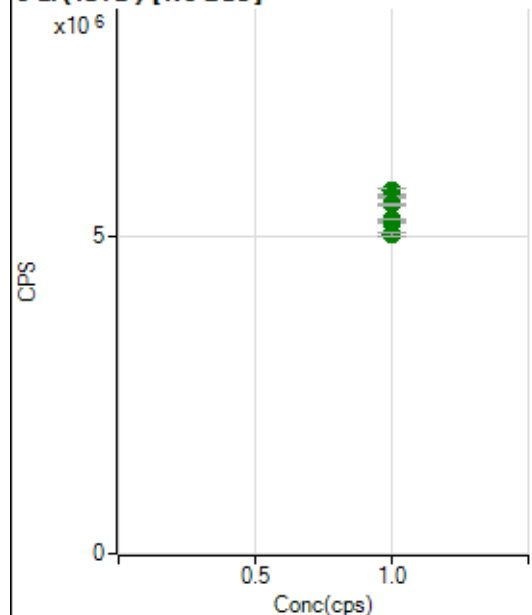
$$y = 0.0041 * x + 6.3170E-006$$

$$R = 0.9999$$

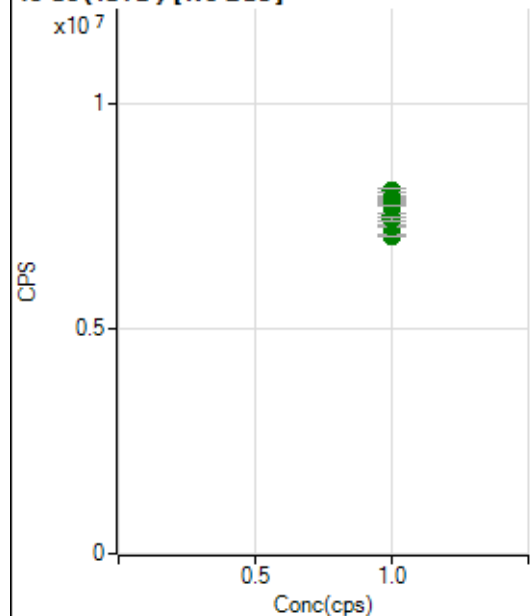
$$DL = 0.001902$$

Weight: <None>

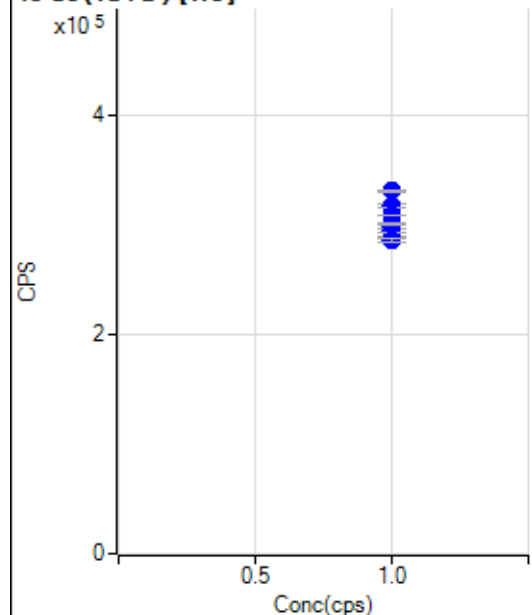
Min Conc: 0

6 Li (ISTD) [No Gas]

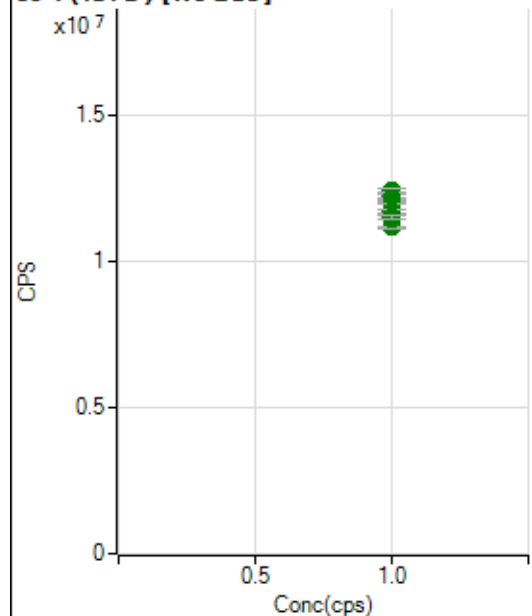
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5674625.88		A	0.6
2	☐	1.000		5733577.62		A	1.5
3	☐	1.000		5657882.41		A	0.3
4	☐	1.000		5639820.20		A	0.4
5	☐	1.000		5624947.28		A	0.6
6	☐	1.000		5516575.05		A	0.5
7	☐	1.000		5240971.03		A	0.8
8	☐	1.000		5286905.62		A	0.1
9	☐	1.000		5047922.39		A	0.7

45 Sc (ISTD) [No Gas]

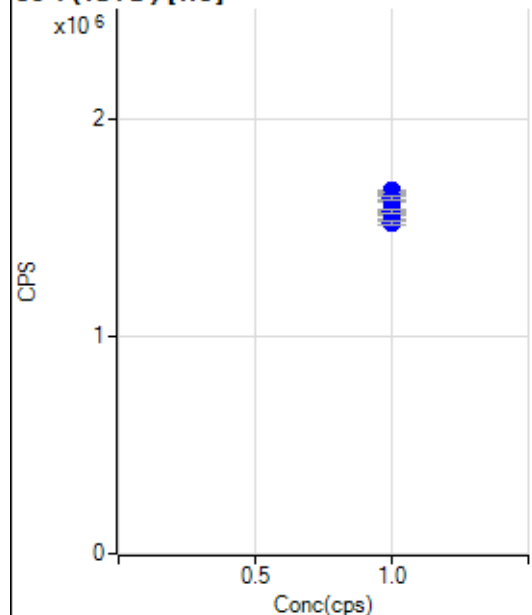
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7895199.22		A	0.7
2	☐	1.000		8055303.22		A	1.1
3	☐	1.000		7879024.31		A	0.5
4	☐	1.000		7808326.13		A	0.4
5	☐	1.000		7732145.22		A	0.3
6	☐	1.000		7507150.95		A	1.1
7	☐	1.000		7060650.33		A	0.9
8	☐	1.000		7262803.81		A	0.5
9	☐	1.000		7428193.92		A	1.4

45 Sc (ISTD) [He]

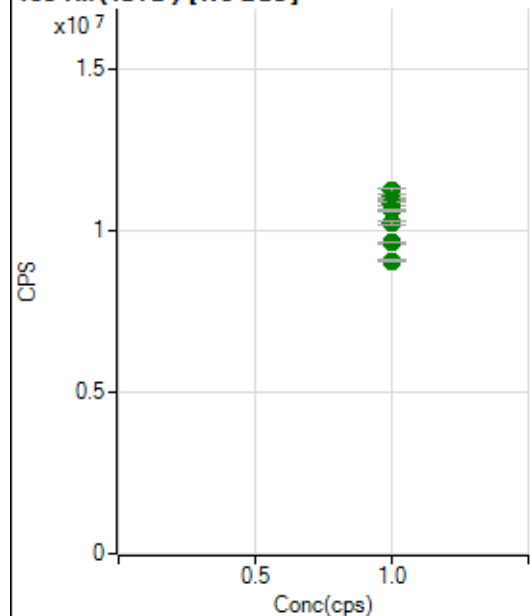
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		316308.93		P	0.1
2	☐	1.000		299592.25		P	6.3
3	☐	1.000		318430.70		P	0.9
4	☐	1.000		316938.62		P	0.1
5	☐	1.000		309076.49		P	0.2
6	☐	1.000		295814.06		P	1.4
7	☐	1.000		286319.64		P	1.0
8	☐	1.000		301286.74		P	0.7
9	☐	1.000		331578.94		P	0.7

89 Y (ISTD) [No Gas]

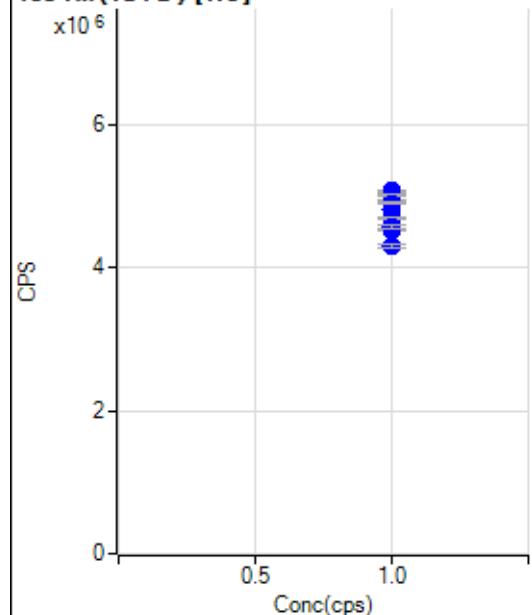
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		12233654.68		A	0.8
2	☐	1.000		12419613.15		A	1.1
3	☐	1.000		12161237.32		A	0.4
4	☐	1.000		12095206.62		A	0.7
5	☐	1.000		11988908.99		A	0.4
6	☐	1.000		11698624.55		A	1.4
7	☐	1.000		11170028.44		A	0.5
8	☐	1.000		11469447.33		A	0.2
9	☐	1.000		11548297.74		A	1.1

89 Y (ISTD) [He]

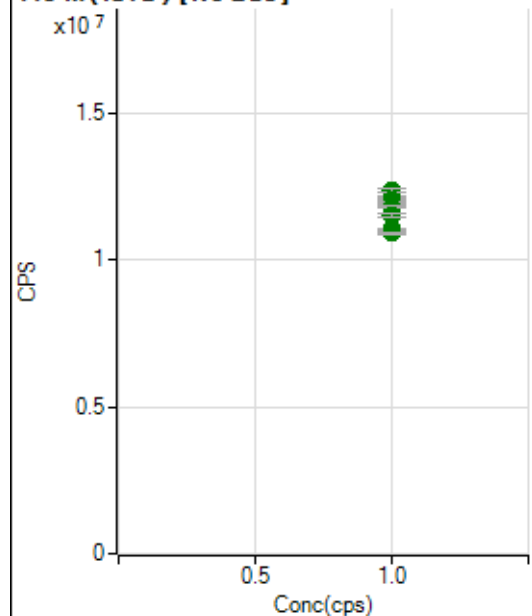
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1651463.32		P	0.3
2	☐	1.000		1579153.14		P	5.5
3	☐	1.000		1668626.66		P	0.7
4	☐	1.000		1658062.48		P	0.1
5	☐	1.000		1627571.22		P	0.1
6	☐	1.000		1566461.73		P	1.1
7	☐	1.000		1524487.96		P	1.2
8	☐	1.000		1577989.63		P	1.2
9	☐	1.000		1638430.93		P	1.2

103 Rh (ISTD) [No Gas]

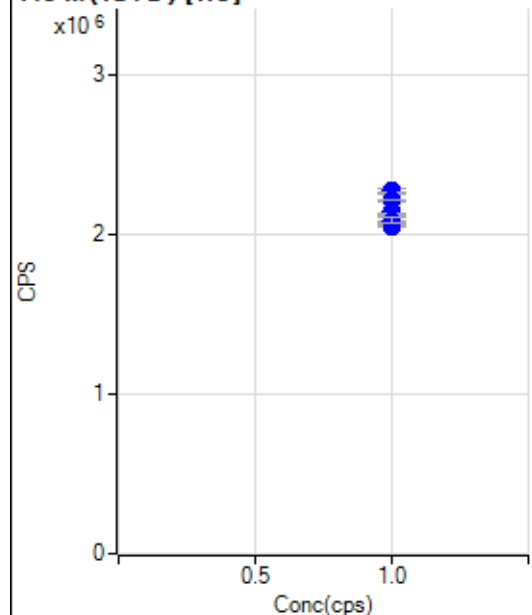
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11078196.43		A	0.9
2	☐	1.000		11236073.86		A	1.5
3	☐	1.000		10980592.43		A	0.7
4	☐	1.000		10827741.30		A	1.2
5	☐	1.000		10633044.07		A	0.1
6	☐	1.000		10215868.46		A	1.2
7	☐	1.000		9638039.19		A	0.6
8	☐	1.000		9631426.34		A	0.1
9	☐	1.000		9076352.28		A	0.9

103 Rh (ISTD) [He]

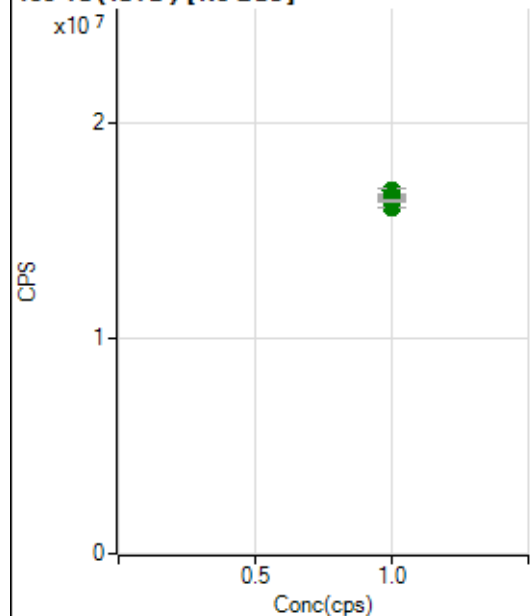
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		5037337.98		P	0.5
2	☐	1.000		4802981.24		P	5.8
3	☐	1.000		5070818.26		P	0.8
4	☐	1.000		5021550.06		P	0.4
5	☐	1.000		4901945.24		P	0.4
6	☐	1.000		4694673.40		P	0.9
7	☐	1.000		4526932.12		P	1.1
8	☐	1.000		4569445.76		P	1.1
9	☐	1.000		4290859.10		P	1.4

115 In (ISTD) [No Gas]

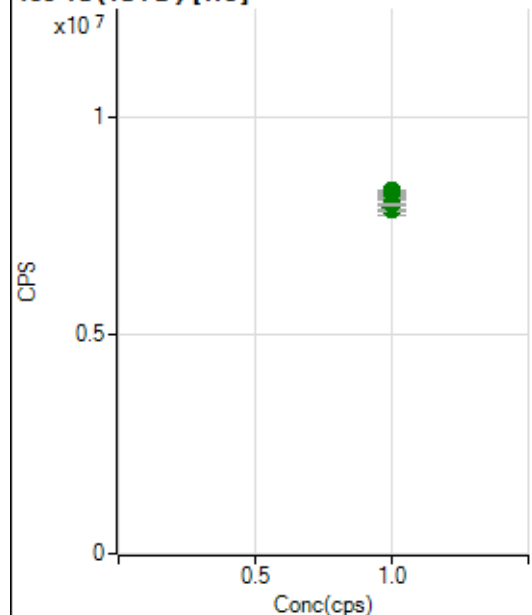
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		12179848.18		A	0.6
2	☐	1.000		12359643.52		A	1.2
3	☐	1.000		12060849.96		A	0.2
4	☐	1.000		11973431.90		A	0.8
5	☐	1.000		11806801.36		A	0.5
6	☐	1.000		11544071.20		A	0.8
7	☐	1.000		10975374.91		A	0.4
8	☐	1.000		11056982.01		A	0.5
9	☐	1.000		10918574.64		A	0.8

115 In (ISTD) [He]

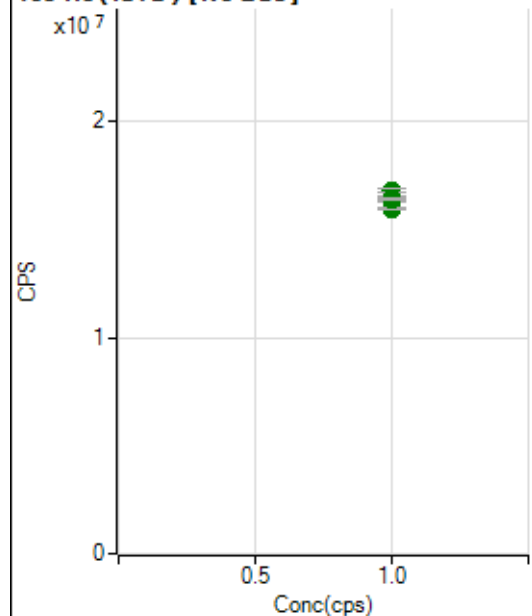
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		2247179.49		P	0.3
2	☐	1.000		2144482.50		P	5.8
3	☐	1.000		2269538.95		P	1.1
4	☐	1.000		2256380.82		P	0.4
5	☐	1.000		2213311.43		P	0.3
6	☐	1.000		2121511.53		P	0.9
7	☐	1.000		2050242.97		P	1.1
8	☐	1.000		2071217.79		P	1.2
9	☐	1.000		2083291.17		P	1.7

159 Tb (ISTD) [No Gas]

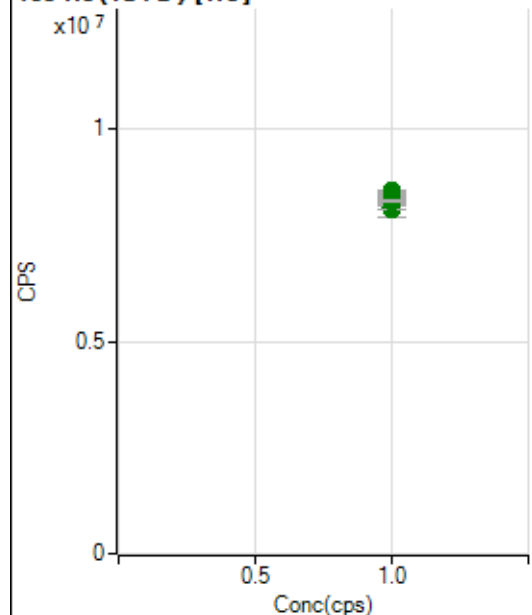
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		16604014.20		A	0.5
2	☐	1.000		16878595.16		A	1.3
3	☐	1.000		16536924.34		A	0.4
4	☐	1.000		16537896.28		A	0.6
5	☐	1.000		16600156.70		A	0.4
6	☐	1.000		16525545.45		A	0.6
7	☐	1.000		16104260.04		A	0.3
8	☐	1.000		16530098.09		A	0.3
9	☐	1.000		16381972.39		A	0.7

159 Tb (ISTD) [He]

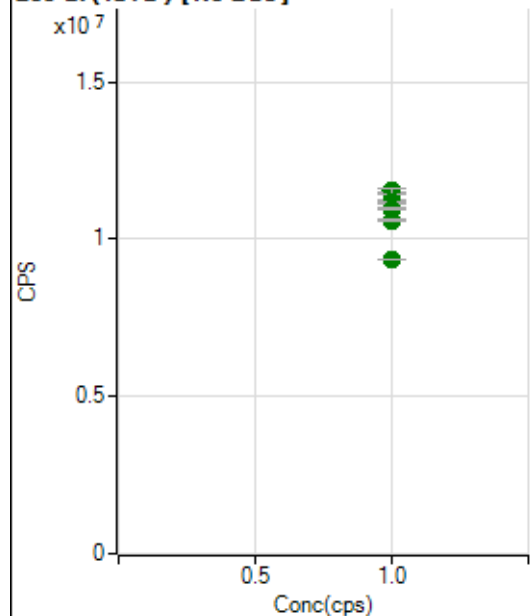
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		8309760.43		A	0.4
2	☐	1.000		7925834.26		A	4.4
3	☐	1.000		8267066.34		A	0.8
4	☐	1.000		8202811.96		A	0.6
5	☐	1.000		8143754.67		A	0.5
6	☐	1.000		7983093.07		A	0.5
7	☐	1.000		7872134.81		A	0.5
8	☐	1.000		8026429.60		A	0.3
9	☐	1.000		8006141.89		A	0.5

165 Ho (ISTD) [No Gas]

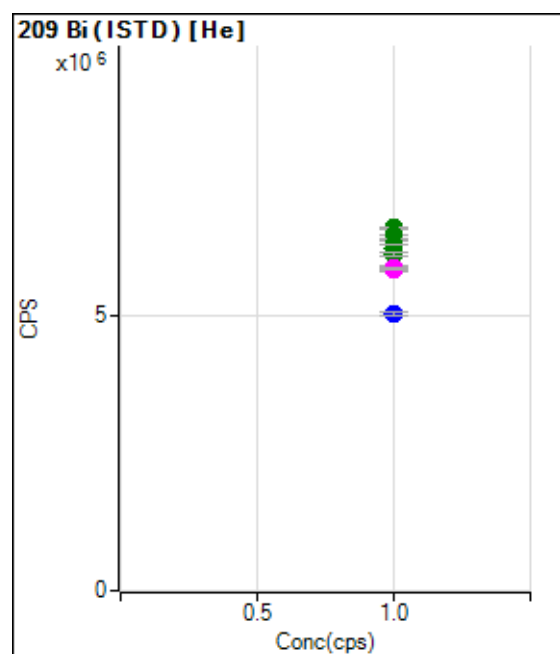
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		16465222.77		A	0.9
2	☐	1.000		16775155.06		A	1.1
3	☐	1.000		16315325.71		A	0.7
4	☐	1.000		16364062.69		A	0.4
5	☐	1.000		16436916.34		A	0.3
6	☐	1.000		16311856.62		A	0.8
7	☐	1.000		15958672.75		A	0.1
8	☐	1.000		16462101.24		A	0.3
9	☐	1.000		16387777.45		A	0.6

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		8544283.41		A	0.5
2	☐	1.000		8142712.38		A	5.0
3	☐	1.000		8480222.93		A	0.7
4	☐	1.000		8446165.85		A	0.2
5	☐	1.000		8408649.87		A	0.5
6	☐	1.000		8234348.00		A	0.6
7	☐	1.000		8121921.27		A	0.0
8	☐	1.000		8340784.53		A	0.4
9	☐	1.000		8299565.02		A	0.7

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		11438472.47		A	0.6
2	☐	1.000		11529847.05		A	1.5
3	☐	1.000		11196335.67		A	0.7
4	☐	1.000		11170114.55		A	0.0
5	☐	1.000		11153810.53		A	0.3
6	☐	1.000		10966810.05		A	0.7
7	☐	1.000		10590118.11		A	0.4
8	☐	1.000		10600897.06		A	0.7
9	☐	1.000		9358545.35		A	0.3



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6608896.84		A	0.3
2	☐	1.000		6230552.48		A	4.4
3	☐	1.000		6480680.25		A	0.5
4	☐	1.000		6392938.65		A	0.5
5	☐	1.000		6308745.88		A	0.2
6	☐	1.000		6119913.52		A	1.0
7	☐	1.000		5868564.36		M	1.3
8	☐	1.000		5866161.65		M	1.1
9	☐	1.000		5037869.78		P	1.2