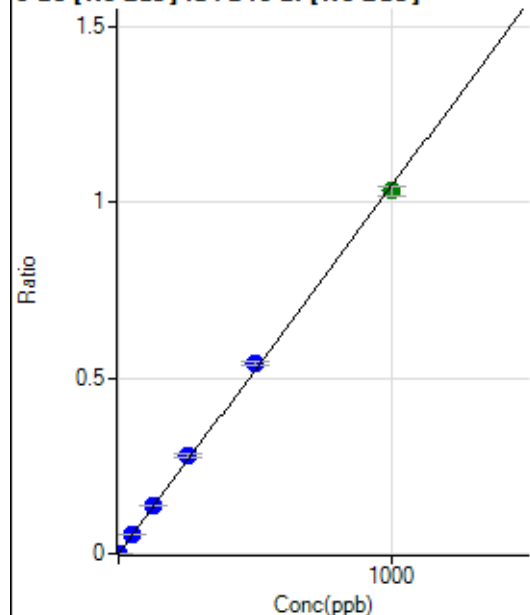


Batch Folder: D:\P8033019-MS.b\
Analysis File: P8033019-MS.batch.bin
DA Date-Time: 2019-04-01 01:11:12
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-03-30 13:43:33
2			
3	005CALS.d	S02	2019-03-30 13:51:16
4	006CALS.d	S03	2019-03-30 13:55:09
5	007CALS.d	S04	2019-03-30 13:58:59
6	008CALS.d	S05	2019-03-30 14:02:46
7	009CALS.d	S06	2019-03-30 14:06:27
8	010CALS.d	S07	2019-03-30 14:10:03
9	011CALS.d	S08	2019-03-30 14:13:29

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	66.67	0.0000	P	17.8
2	☐	0.100					
3	☐	1.000	1.013	1800.14	0.0011	P	5.0
4	☐	50.000	54.513	93695.83	0.0571	P	1.2
5	☐	125.000	129.655	241556.43	0.1358	P	1.0
6	☐	250.000	265.568	484406.18	0.2781	P	4.3
7	☐	500.000	516.727	946094.75	0.5410	P	1.8
8	☐	1000.000	986.937	1820245.91	1.0333	A	2.6
9	☐			228.90	0.0001	P	7.4

$$y = 0.0010 * x + 4.1809E-005$$

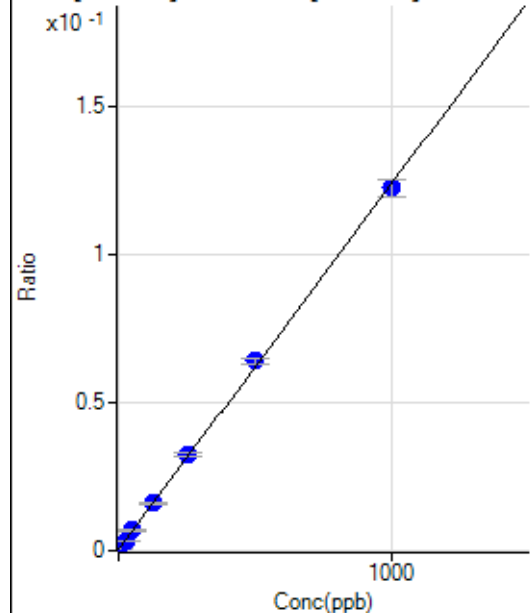
$$R = 0.9997$$

$$DL = 0.02132$$

$$BEC = 0.03994$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	613.93	0.0004	P	1.9
2	☐	2.500					
3	☐	25.000	23.932	5445.76	0.0033	P	1.7
4	☐	50.000	53.075	11354.96	0.0069	P	6.1
5	☐	125.000	126.659	28445.71	0.0160	P	2.1
6	☐	250.000	260.698	56615.68	0.0325	P	5.0
7	☐	500.000	515.671	111772.24	0.0639	P	2.5
8	☐	1000.000	989.156	215291.74	0.1223	P	4.8
9	☐			6485.06	0.0038	P	8.7

$$y = 1.2321E-004 * x + 3.8480E-004$$

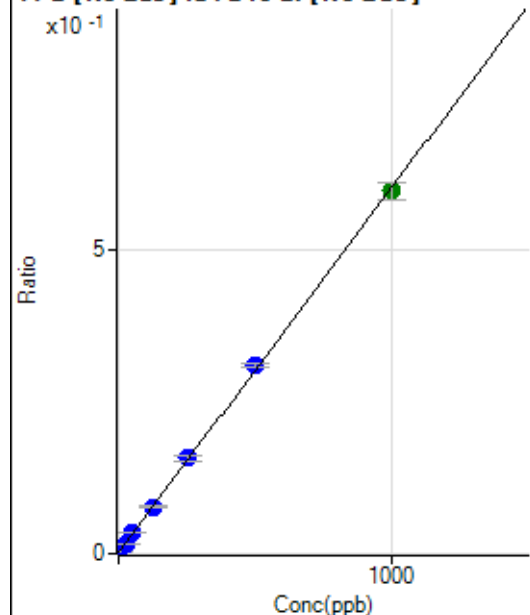
$$R = 0.9997$$

$$DL = 0.1817$$

$$BEC = 3.123$$

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	2950.43	0.0019	P	13.7
2	☐	2.500					
3	☐	25.000	24.250	26809.33	0.0164	P	2.7
4	☐	50.000	52.986	55221.40	0.0337	P	1.6
5	☐	125.000	125.741	137593.77	0.0773	P	0.9
6	☐	250.000	259.303	274358.89	0.1575	P	5.2
7	☐	500.000	511.659	540373.71	0.3090	P	2.3
8	☐	1000.000	991.621	1051636.72	0.5971	A	4.5
9	☐			31095.69	0.0184	P	5.4

$$y = 6.0033\text{E-}004 * x + 0.0019$$

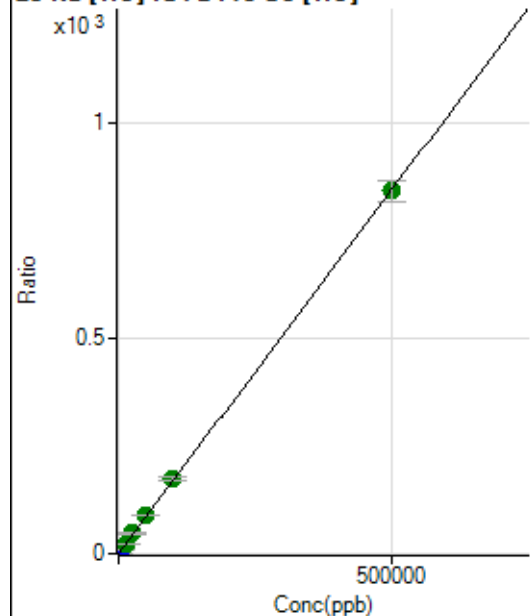
$$R = 0.9998$$

$$DL = 1.269$$

$$BEC = 3.085$$

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	11482.91	0.1789	P	2.7
2	☐	50.000					
3	☐	500.000	550.347	66821.31	1.1072	P	13.3
4	☐	5000.000	5700.193	623845.65	9.7937	P	1.0
5	☐	12500.000	13970.629	1505571.82	23.7438	A	2.4
6	☐	25000.000	27902.326	2981421.83	47.2432	A	1.9
7	☐	50000.000	53316.953	5770670.79	90.1113	A	1.0
8	☐	100000.00	102826.27	11431476.38	173.6212	A	4.3
9	☐	500000.00	498914.11	56083676.25	841.7230	A	5.6

$$y = 0.0017 * x + 0.1789$$

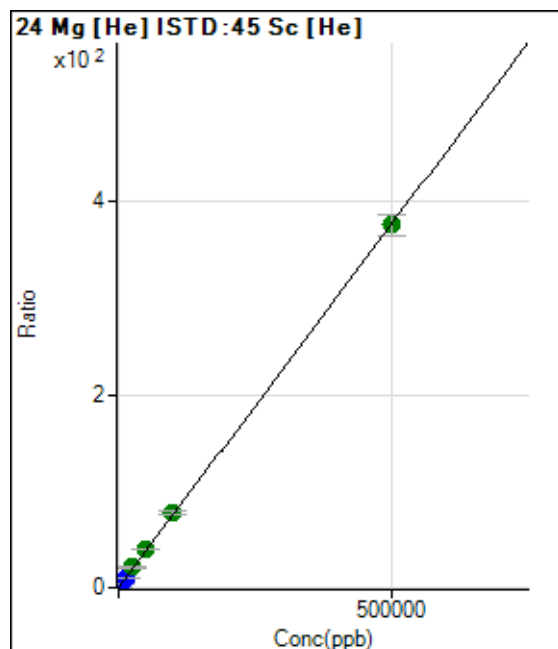
$$R = 1.0000$$

$$DL = 8.447$$

$$BEC = 106$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	527.81	0.0082	P	18.2
2	☐	50.000					
3	☐	500.000	562.438	26021.99	0.4318	P	15.5
4	☐	5000.000	5681.913	273041.16	4.2872	P	2.8
5	☐	12500.000	13722.913	655865.16	10.3428	P	1.3
6	☐	25000.000	27903.619	1326667.34	21.0222	A	2.6
7	☐	50000.000	53694.696	2590065.68	40.4453	A	1.5
8	☐	100000.00	102265.82	5070315.96	77.0238	A	5.1
9	☐	500000.00	498994.72	25037240.32	375.7971	A	5.8

$$y = 7.5309\text{E-}004 * x + 0.0082$$

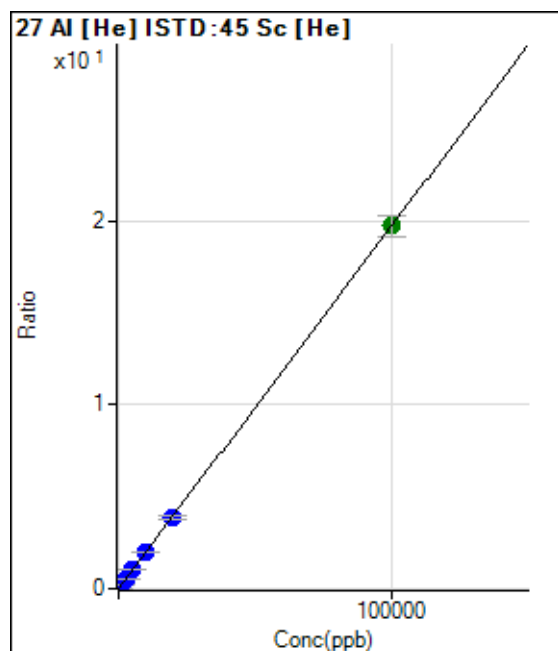
$$R = 1.0000$$

$$DL = 5.953$$

$$BEC = 10.91$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	60.01	0.0009	P	13.3
2	☐	2.000					
3	☐	20.000	19.209	284.24	0.0047	P	17.5
4	☐	1000.000	1073.510	13549.13	0.2127	P	0.4
5	☐	2500.000	2597.503	32550.44	0.5133	P	1.4
6	☐	5000.000	5242.129	65316.55	1.0350	P	1.8
7	☐	10000.000	10170.750	128548.85	2.0072	P	0.8
8	☐	20000.000	19611.135	254762.35	3.8694	P	4.4
9	☐	100000.00	100045.41	1315050.10	19.7359	A	5.5

$$y = 1.9726\text{E-}004 * x + 9.3388\text{E-}004$$

$$R = 1.0000$$

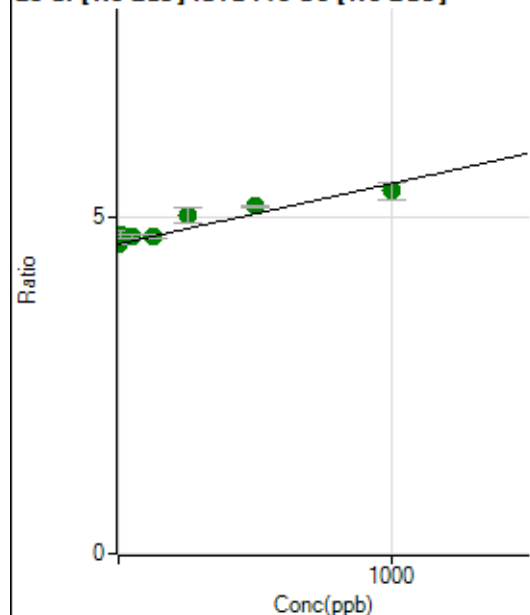
$$DL = 1.887$$

$$BEC = 4.734$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	16340916.86	4.6041	A	0.2
2	☐	1.000					
3	☐	10.000	152.428	16467164.26	4.7408	A	2.3
4	☐	50.000	135.734	16837410.62	4.7258	A	1.1
5	☐	125.000	131.021	17285705.08	4.7216	A	1.3
6	☐	250.000	471.983	17948562.38	5.0272	A	4.1
7	☐	500.000	621.249	18809218.82	5.1610	A	0.5
8	☐	1000.000	877.416	20450678.06	5.3907	A	4.4
9	☐			17429245.01	4.8762	A	1.8

$$y = 8.9643\text{E-}004 * x + 4.6041$$

$$R = 0.9528$$

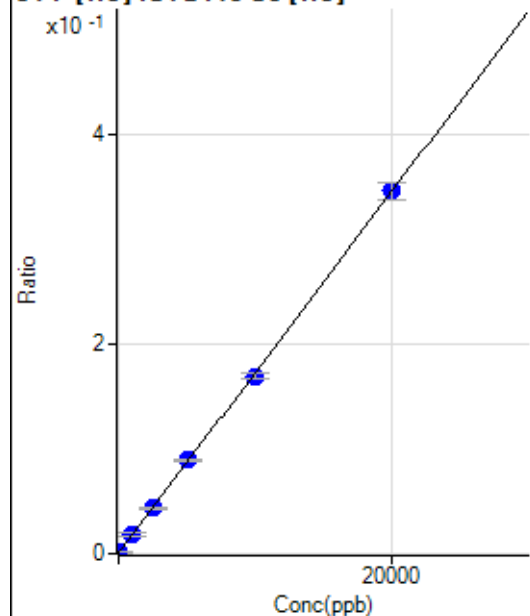
$$DL = 38.08$$

$$BEC = 5136$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-35.456	8.33	0.0001	P	100.3
2	☐	0.000					
3	☐	0.000	35.456	80.56	0.0013	P	35.1
4	☐	1000.000	1019.615	1164.00	0.0183	P	14.5
5	☐	2500.000	2463.937	2733.72	0.0431	P	3.2
6	☐	5000.000	5131.721	5615.26	0.0890	P	1.8
7	☐	10000.000	9814.661	10851.81	0.1695	P	3.9
8	☐	20000.000	20063.267	22758.16	0.3457	P	4.9
9	☐			27.78	0.0004	P	18.9

$$y = 1.7192\text{E-}005 * x + 7.4038\text{E-}004$$

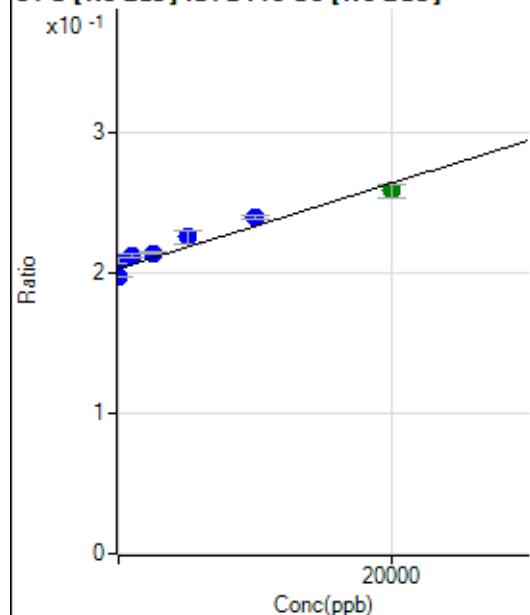
$$R = 0.9999$$

$$DL = 52.74$$

$$BEC = 43.07$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-1908.490	699806.91	0.1972	P	0.4
2	☐	0.000					
3	☐	0.000	1908.490	725282.70	0.2088	P	2.3
4	☐	1000.000	3096.421	756824.34	0.2124	P	1.0
5	☐	2500.000	3657.514	783969.03	0.2141	P	0.5
6	☐	5000.000	7342.921	804506.86	0.2254	P	4.4
7	☐	10000.000	11971.762	872643.76	0.2395	P	1.5
8	☐	20000.000	18178.878	980420.83	0.2584	A	3.6
9	☐			586385.70	0.1641	P	1.8

$$y = 3.0459\text{E-}006 * x + 0.2030$$

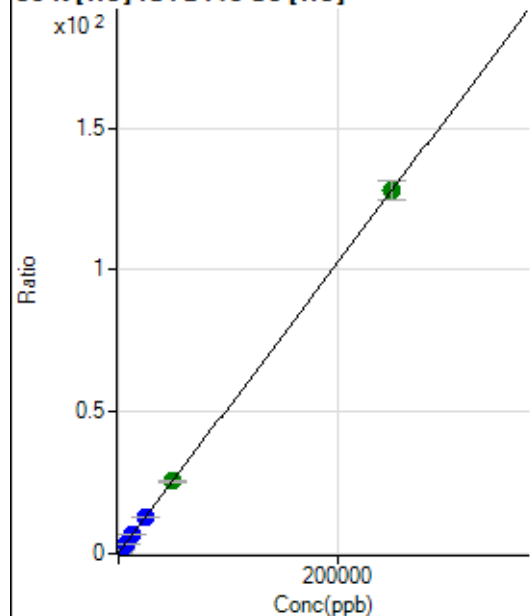
$$R = 0.9673$$

$$DL = 2750$$

$$BEC = 6.664\text{E+}04$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	10101.29	0.1574	P	4.2
2	☐	50.000					
3	☐	500.000	540.188	26130.86	0.4333	P	14.3
4	☐	2500.000	2709.254	98163.36	1.5411	P	1.3
5	☐	6250.000	6450.676	218903.87	3.4520	P	1.0
6	☐	12500.000	12956.786	427494.98	6.7749	P	2.6
7	☐	25000.000	25174.352	833467.74	13.0149	P	0.9
8	☐	50000.000	49624.122	1679197.37	25.5023	A	4.1
9	☐	250000.00	250027.71	8520332.92	127.8562	A	5.1

$$y = 5.1074\text{E-}004 * x + 0.1574$$

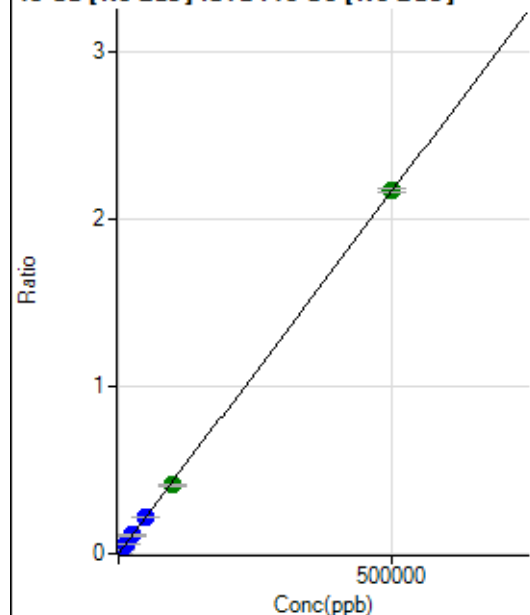
$$R = 1.0000$$

$$DL = 38.95$$

$$BEC = 308.2$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	625.58	0.0002	P	7.9
2	☐	50.000					
3	☐	500.000	485.826	7905.68	0.0023	P	2.3
4	☐	5000.000	5092.120	79040.45	0.0222	P	0.6
5	☐	12500.000	12493.202	198322.85	0.0542	P	0.8
6	☐	25000.000	25815.959	398887.55	0.1117	P	4.9
7	☐	50000.000	50410.300	794655.07	0.2180	P	0.2
8	☐	100000.00	94581.297	1551619.30	0.4089	A	4.0
9	☐	500000.00	501001.17	7740437.45	2.1654	A	1.0

$$y = 4.3219\text{E-}006 * x + 1.7628\text{E-}004$$

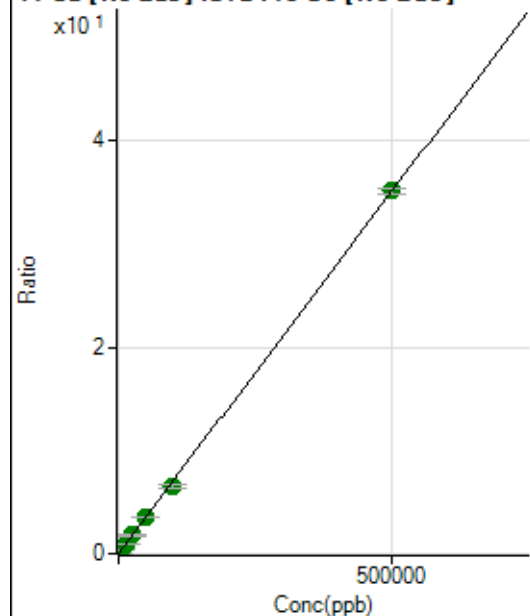
$$R = 0.9999$$

$$DL = 9.693$$

$$BEC = 40.79$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	39065.62	0.0110	P	1.8
2	☐	50.000					
3	☐	500.000	488.272	157082.25	0.0452	P	1.4
4	☐	5000.000	5162.259	1327855.12	0.3727	A	0.7
5	☐	12500.000	12476.814	3240789.19	0.8851	A	0.2
6	☐	25000.000	25563.400	6433266.50	1.8020	A	4.3
7	☐	50000.000	49609.297	12707178.42	3.4867	A	0.3
8	☐	100000.00	92930.126	24739909.63	6.5218	A	4.7
9	☐	500000.00	501423.84	125606523.6	35.1414	A	1.6

$$y = 7.0061\text{E-}005 * x + 0.0110$$

$$R = 0.9999$$

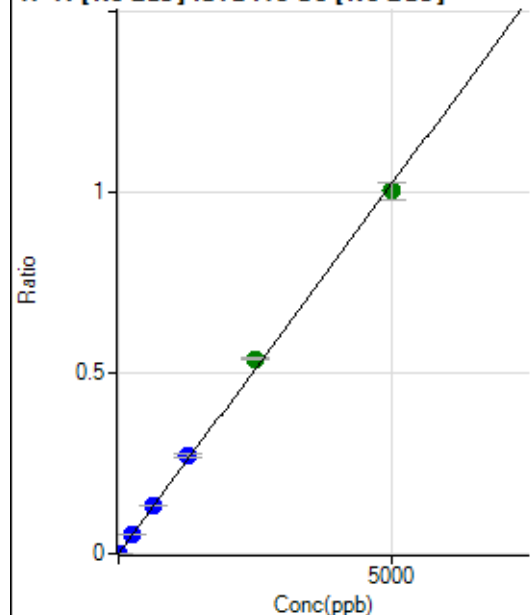
$$DL = 8.661$$

$$BEC = 157.1$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	197.23	0.0001	P	20.8
2	☐	0.500					
3	☐	5.000	5.032	3753.48	0.0011	P	10.7
4	☐	250.000	261.429	190215.75	0.0534	P	1.0
5	☐	625.000	648.819	484787.21	0.1324	P	1.0
6	☐	1250.000	1331.027	969464.69	0.2716	P	4.8
7	☐	2500.000	2631.655	1956816.67	0.5369	A	1.0
8	☐	5000.000	4910.367	3799933.81	1.0018	A	4.9
9	☐			836.17	0.0002	P	9.9

$$y = 2.0400\text{E-}004 * x + 5.5540\text{E-}005$$

$$R = 0.9993$$

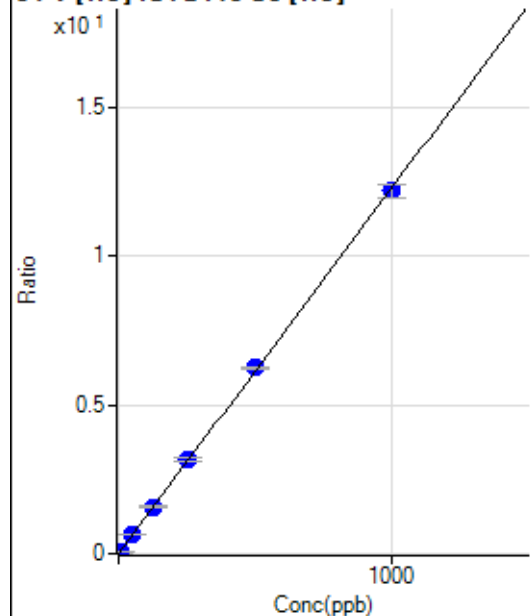
$$DL = 0.1702$$

$$BEC = 0.2723$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	27.78	0.0004	P	7.9
2	☐	0.500					
3	☐	5.000	5.259	3916.17	0.0650	P	14.7
4	☐	50.000	52.453	41013.38	0.6440	P	2.6
5	☐	125.000	128.679	100135.01	1.5792	P	2.5
6	☐	250.000	258.078	199827.16	3.1667	P	2.4
7	☐	500.000	508.656	399675.93	6.2410	P	0.8
8	☐	1000.000	993.069	802286.11	12.1842	P	4.0
9	☐			128.89	0.0019	P	23.9

$$y = 0.0123 * x + 4.3293\text{E-}004$$

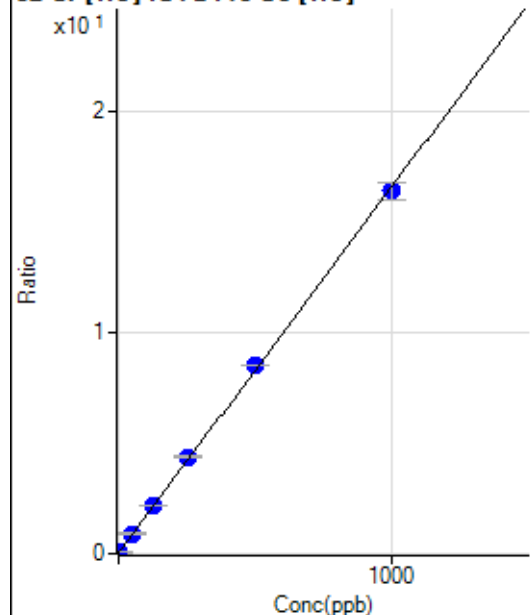
$$R = 0.9999$$

$$DL = 0.008384$$

$$BEC = 0.03529$$

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	1764.59	0.0275	P	1.9
2	☐	0.200					
3	☐	2.000	2.166	3821.70	0.0633	P	12.6
4	☐	50.000	53.315	57880.38	0.9087	P	1.3
5	☐	125.000	130.576	138594.60	2.1857	P	1.7
6	☐	250.000	263.157	276200.73	4.3770	P	2.4
7	☐	500.000	512.292	544015.85	8.4947	P	0.2
8	☐	1000.000	989.702	1078742.68	16.3853	P	4.6
9	☐			9114.21	0.1369	P	7.6

$$y = 0.0165 * x + 0.0275$$

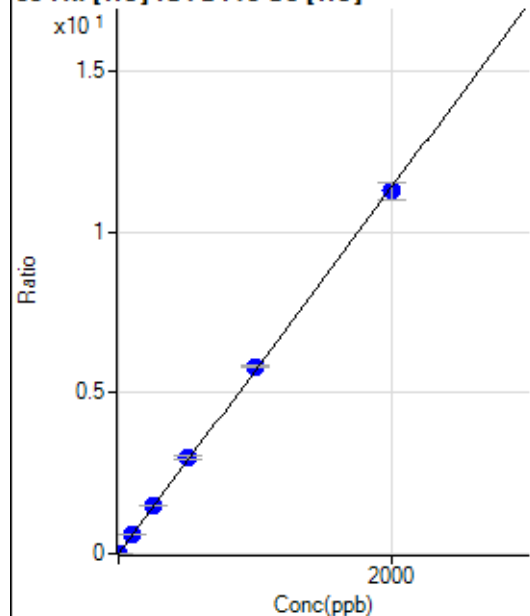
$$R = 0.9998$$

$$DL = 0.09384$$

$$BEC = 1.663$$

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	66.67	0.0010	P	27.4
2	☐	0.100					
3	☐	1.000	1.201	476.68	0.0079	P	10.3
4	☐	100.000	107.422	39049.05	0.6131	P	2.5
5	☐	250.000	261.670	94616.35	1.4920	P	0.3
6	☐	500.000	526.576	189370.28	3.0014	P	3.1
7	☐	1000.000	1021.492	372795.53	5.8213	P	0.8
8	☐	2000.000	1980.780	743050.05	11.2872	P	4.9
9	☐			2940.36	0.0441	P	6.3

$$y = 0.0057 * x + 0.0010$$

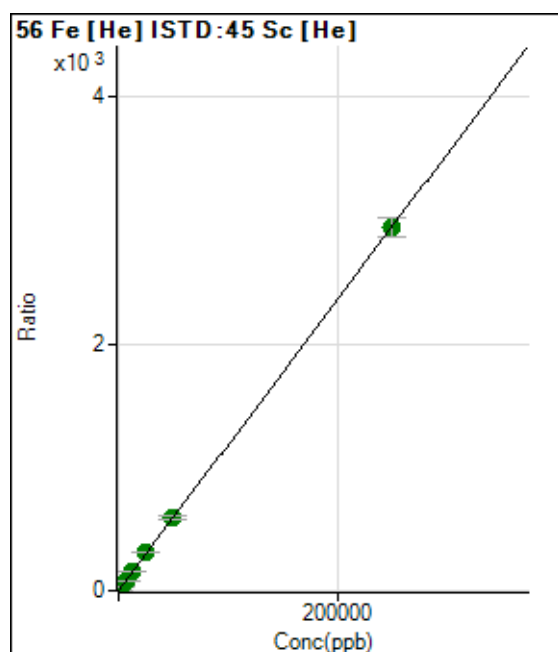
$$R = 0.9998$$

$$DL = 0.1503$$

$$BEC = 0.1826$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3613.54	0.0563	P	3.9
2	☐	5.000					
3	☐	50.000	56.383	43468.14	0.7201	P	13.2
4	☐	2500.000	2797.759	2101589.20	32.9955	A	2.3
5	☐	6250.000	6700.081	5005998.32	78.9393	A	0.6
6	☐	12500.000	13383.339	9945189.23	157.6242	A	3.1
7	☐	25000.000	26196.130	19754627.76	308.4748	A	0.8
8	☐	50000.000	50500.821	39146323.56	594.6246	A	4.8
9	☐	250000.00	249721.82	195919626.6	2,940.140	A	5.3

$$y = 0.0118 * x + 0.0563$$

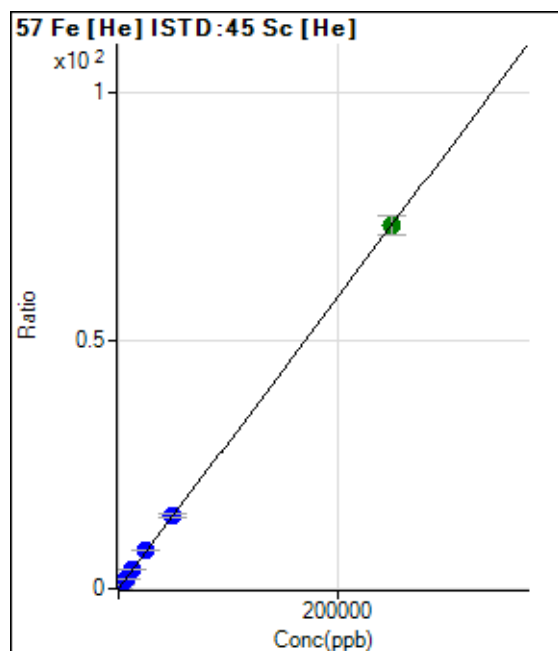
$$R = 1.0000$$

$$DL = 0.5578$$

$$BEC = 4.782$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	120.37	0.0019	P	4.2
2	☐	5.000					
3	☐	50.000	64.042	1242.69	0.0206	P	15.0
4	☐	2500.000	2780.232	51924.97	0.8153	P	2.9
5	☐	6250.000	6739.431	125151.75	1.9735	P	0.6
6	☐	12500.000	13399.786	247476.60	3.9221	P	2.8
7	☐	25000.000	26284.681	492577.16	7.6916	P	0.6
8	☐	50000.000	50678.955	976207.36	14.8284	P	4.8
9	☐	250000.00	249675.71	4867771.99	73.0463	A	5.1

$$y = 2.9256E-004 * x + 0.0019$$

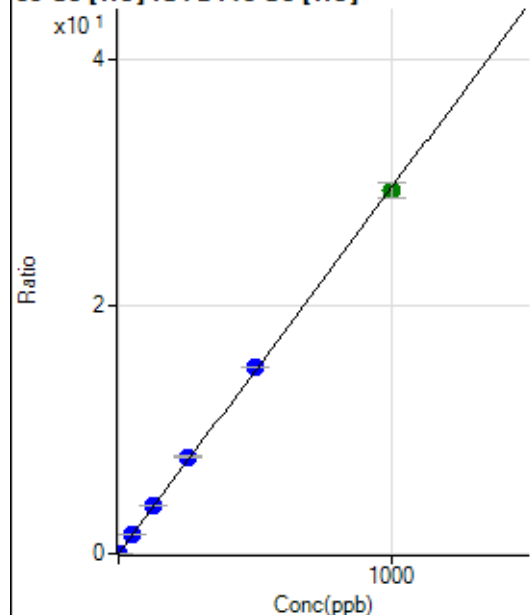
$$R = 1.0000$$

$$DL = 0.8141$$

$$BEC = 6.407$$

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	127.78	0.0020	P	5.8
2	☐	0.100					
3	☐	1.000	1.019	1944.62	0.0322	P	10.4
4	☐	50.000	53.442	100903.03	1.5842	P	1.6
5	☐	125.000	130.195	244540.78	3.8565	P	2.1
6	☐	250.000	263.113	491724.17	7.7917	P	1.8
7	☐	500.000	509.345	965821.63	15.0816	P	0.7
8	☐	1000.000	991.228	1932380.67	29.3481	A	4.2
9	☐			22088.84	0.3314	P	4.7

$$y = 0.0296 * x + 0.0020$$

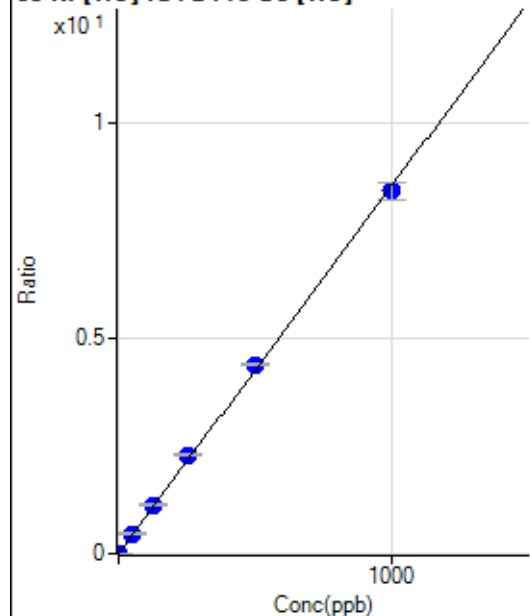
$$R = 0.9998$$

$$DL = 0.01165$$

$$BEC = 0.06721$$

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	86.67	0.0014	P	33.6
2	☐	0.100					
3	☐	1.000	1.245	726.70	0.0120	P	7.1
4	☐	50.000	54.451	29675.09	0.4659	P	1.6
5	☐	125.000	132.538	71781.66	1.1321	P	2.8
6	☐	250.000	267.486	144097.46	2.2834	P	2.0
7	☐	500.000	514.652	281264.99	4.3920	P	0.9
8	☐	1000.000	987.137	554519.20	8.4229	P	4.7
9	☐			6870.71	0.1032	P	7.4

$$y = 0.0085 * x + 0.0014$$

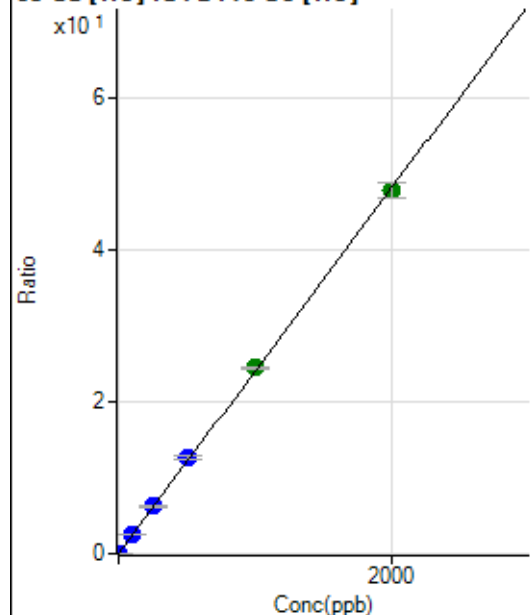
$$R = 0.9997$$

$$DL = 0.1598$$

$$BEC = 0.1584$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	328.90	0.0051	P	7.8
2	☐	0.200					
3	☐	2.000	2.063	3306.01	0.0548	P	14.3
4	☐	100.000	105.622	162282.81	2.5480	P	2.3
5	☐	250.000	258.222	394543.16	6.2219	P	1.4
6	☐	500.000	523.927	796231.79	12.6188	P	2.8
7	☐	1000.000	1015.446	1565958.99	24.4522	A	2.0
8	☐	2000.000	1984.986	3146931.83	47.7942	A	4.2
9	☐			5635.68	0.0846	P	4.9

$$y = 0.0241 * x + 0.0051$$

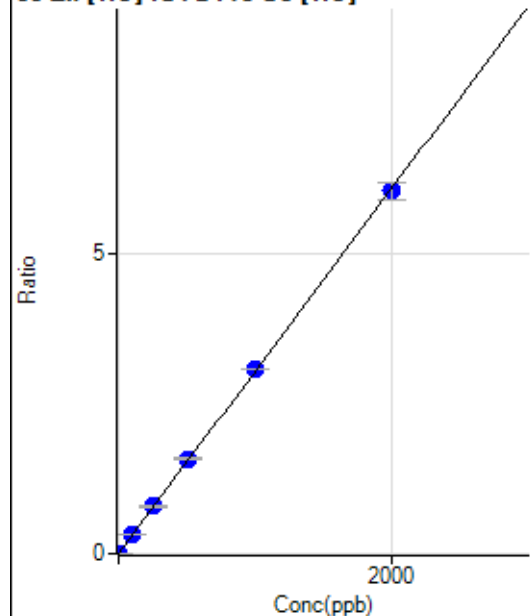
$$R = 0.9999$$

$$DL = 0.04952$$

$$BEC = 0.2129$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	55.56	0.0009	P	32.0
2	☐	0.200					
3	☐	2.000	2.167	450.02	0.0075	P	14.6
4	☐	100.000	107.115	20824.73	0.3270	P	2.1
5	☐	250.000	258.438	49942.05	0.7876	P	2.7
6	☐	500.000	519.006	99755.49	1.5809	P	2.5
7	☐	1000.000	1011.835	197324.91	3.0812	P	0.3
8	☐	2000.000	1987.920	398484.84	6.0527	P	4.7
9	☐			2898.14	0.0435	P	6.1

$$y = 0.0030 * x + 8.6327E-004$$

$$R = 0.9999$$

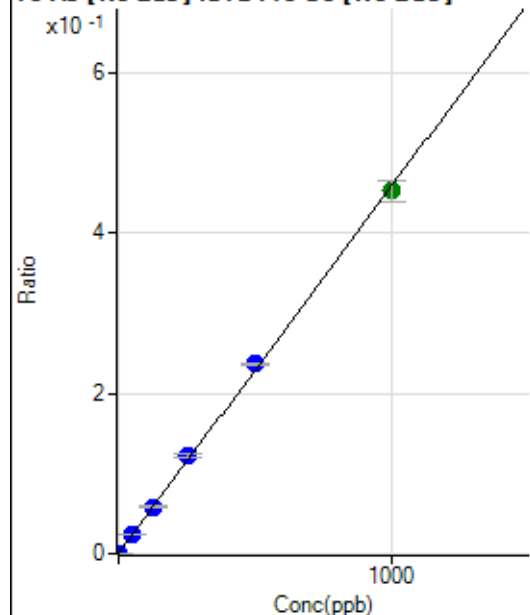
$$DL = 0.272$$

$$BEC = 0.2836$$

Weight: <None>

Min Conc: 0

75 As [No Gas] ISTD:45 Sc [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	599.20	0.0002	P	7.8
2	☐	0.100					
3	☐	1.000	0.982	2150.51	0.0006	P	7.4
4	☐	50.000	51.488	84761.48	0.0238	P	1.7
5	☐	125.000	127.223	214294.47	0.0585	P	1.7
6	☐	250.000	265.553	435503.72	0.1220	P	4.6
7	☐	500.000	516.549	864288.06	0.2371	P	0.5
8	☐	1000.000	987.485	1718735.63	0.4532	A	5.6
9	☐			2852.27	0.0008	P	2.2

$$y = 4.5877\text{E-}004 * x + 1.6885\text{E-}004$$

$$R = 0.9997$$

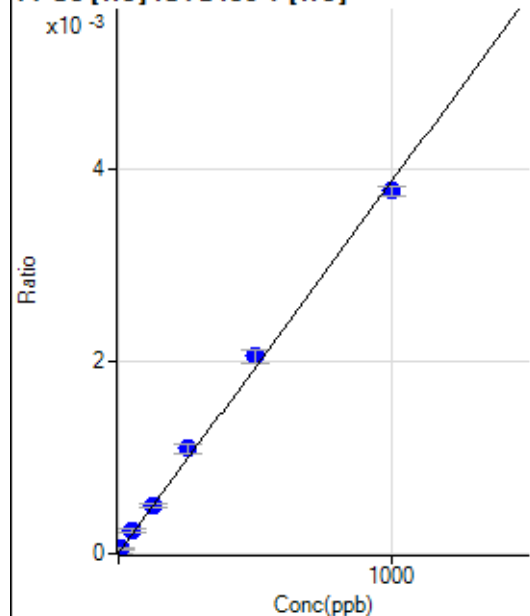
$$DL = 0.08578$$

$$BEC = 0.368$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2.22	0.0000	P	86.6
2	☐	0.500					
3	☐	5.000	12.077	17.78	0.0001	P	19.8
4	☐	50.000	61.047	84.45	0.0002	P	20.7
5	☐	125.000	128.119	176.67	0.0005	P	11.5
6	☐	250.000	282.115	386.68	0.0011	P	9.5
7	☐	500.000	531.127	733.37	0.0021	P	6.7
8	☐	1000.000	975.430	1383.43	0.0038	P	2.5
9	☐			5.56	0.0000	P	94.3

$$y = 3.8546\text{E-}006 * x + 6.3120\text{E-}006$$

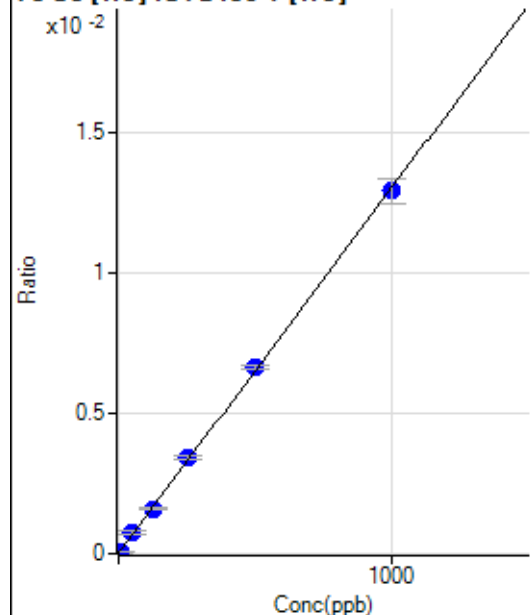
$$R = 0.9987$$

$$DL = 4.255$$

$$BEC = 1.638$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	5.56	0.0000	P	32.9
2	☐	0.500					
3	☐	5.000	4.087	22.84	0.0001	P	7.8
4	☐	50.000	56.492	262.97	0.0008	P	10.3
5	☐	125.000	120.148	558.66	0.0016	P	4.7
6	☐	250.000	261.347	1210.56	0.0034	P	3.2
7	☐	500.000	510.664	2382.33	0.0067	P	2.3
8	☐	1000.000	992.118	4750.24	0.0129	P	6.6
9	☐			8.64	0.0000	P	45.0

$$y = 1.3032\text{E-}005 * x + 1.5715\text{E-}005$$

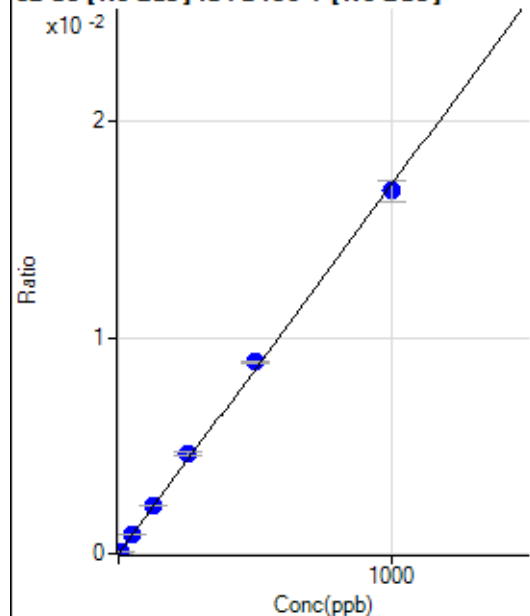
$$R = 0.9998$$

$$DL = 1.19$$

$$BEC = 1.206$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-6.30	0.0000	P	-1161.
2	☐	0.500					
3	☐	5.000	5.486	407.05	0.0001	P	13.6
4	☐	50.000	52.469	4078.02	0.0009	P	0.8
5	☐	125.000	131.939	10567.94	0.0023	P	1.4
6	☐	250.000	271.360	21475.64	0.0046	P	3.7
7	☐	500.000	520.043	42676.59	0.0089	P	0.8
8	☐	1000.000	983.645	83589.07	0.0168	P	5.5
9	☐			25.10	0.0000	P	128.0

$$y = 1.7073\text{E-}005 * x - 1.3400\text{E-}006$$

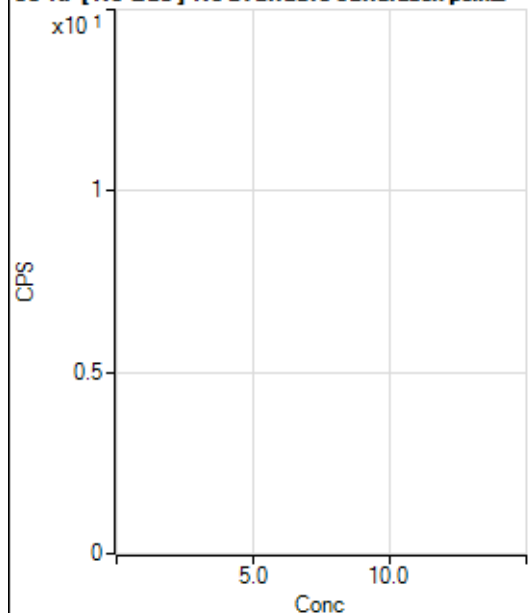
$$R = 0.9994$$

$$DL = 2.735$$

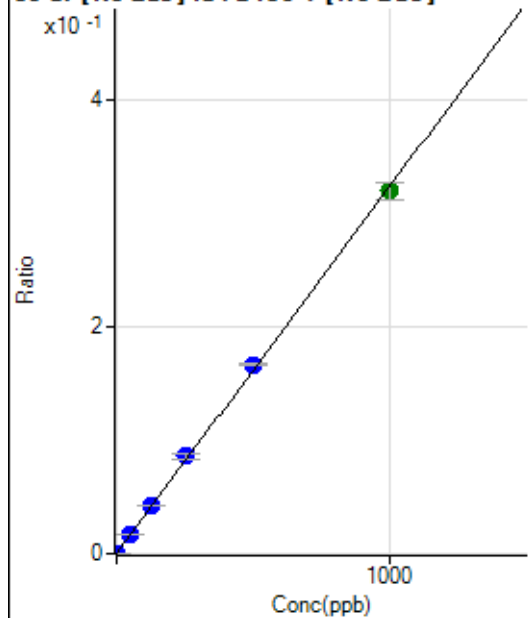
$$BEC = -0.07849$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			543.36		P	14.4
2	☐						
3	☐			530.02		P	8.2
4	☐			543.36		P	4.0
5	☐			552.24		P	5.6
6	☐			592.25		P	2.0
7	☐			581.14		P	6.4
8	☐			566.69		P	13.8
9	☐			577.80		P	3.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	833.40	0.0002	P	12.2
2	☐	0.100					
3	☐	1.000	0.858	2033.58	0.0005	P	6.3
4	☐	50.000	51.941	77263.78	0.0169	P	0.7
5	☐	125.000	129.383	196862.99	0.0419	P	0.2
6	☐	250.000	264.806	396901.36	0.0856	P	5.5
7	☐	500.000	514.610	799202.83	0.1662	P	1.0
8	☐	1000.000	988.349	1588853.46	0.3191	A	4.9
9	☐			6401.83	0.0014	P	7.6

$$y = 3.2270E-004 * x + 1.8487E-004$$

$$R = 0.9997$$

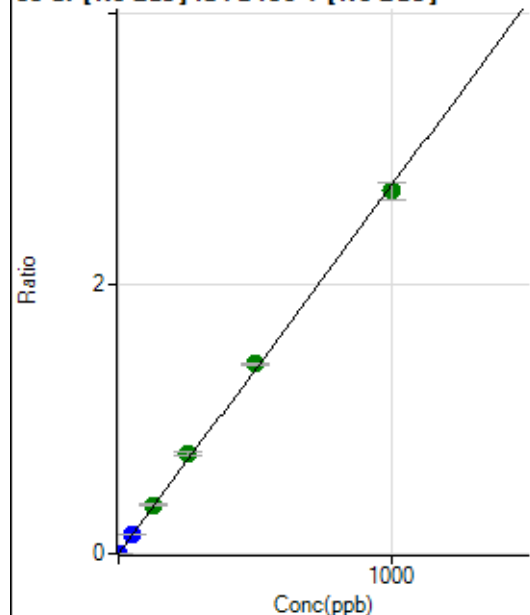
$$DL = 0.2098$$

$$BEC = 0.5729$$

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	55.56	0.0000	P	9.2
2	☐	0.100					
3	☐	1.000	0.861	10398.83	0.0024	P	3.0
4	☐	50.000	53.048	660040.48	0.1448	P	1.3
5	☐	125.000	133.041	1704361.95	0.3631	A	0.3
6	☐	250.000	270.286	3419559.93	0.7376	A	4.3
7	☐	500.000	516.160	6771268.73	1.4086	A	1.3
8	☐	1000.000	985.691	13391245.79	2.6899	A	5.1
9	☐			48150.44	0.0104	P	1.3

$$y = 0.0027 * x + 1.2325E-005$$

$$R = 0.9996$$

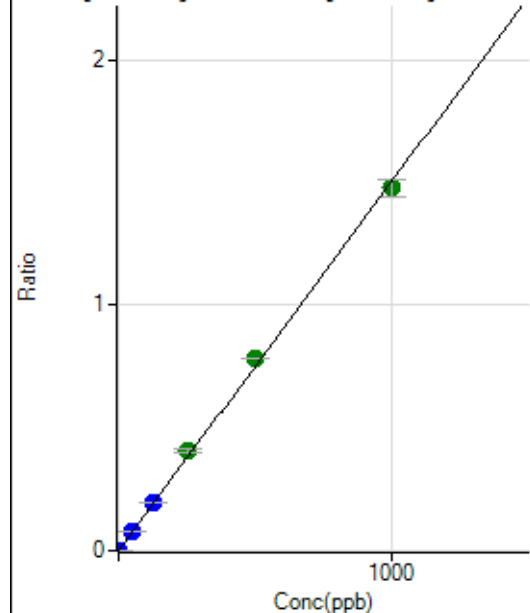
$$DL = 0.00125$$

$$BEC = 0.004517$$

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	291.68	0.0001	P	2.9
2	☐	0.100					
3	☐	1.000	0.897	6223.91	0.0014	P	2.0
4	☐	50.000	51.630	353767.05	0.0776	P	1.2
5	☐	125.000	129.180	910940.97	0.1941	P	0.1
6	☐	250.000	270.328	1882515.97	0.4060	A	3.8
7	☐	500.000	521.513	3765137.45	0.7832	A	0.8
8	☐	1000.000	983.558	7354624.64	1.4771	A	4.5
9	☐			1647.41	0.0004	P	9.5

$$y = 0.0015 * x + 6.4683E-005$$

$$R = 0.9994$$

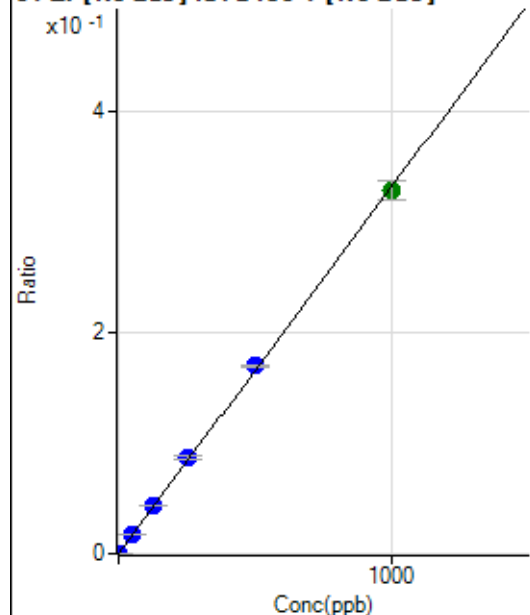
$$DL = 0.003754$$

$$BEC = 0.04307$$

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	69.45	0.0000	P	6.3
2	☐	0.100					
3	☐	1.000	0.864	1330.69	0.0003	P	8.7
4	☐	50.000	52.421	79421.17	0.0174	P	1.1
5	☐	125.000	129.731	202269.79	0.0431	P	1.3
6	☐	250.000	263.918	406290.19	0.0876	P	4.5
7	☐	500.000	513.128	819112.11	0.1704	P	0.9
8	☐	1000.000	989.244	1635104.41	0.3285	A	5.4
9	☐			391.69	0.0001	P	10.7

$$y = 3.3202\text{E-}004 * x + 1.5396\text{E-}005$$

$$R = 0.9998$$

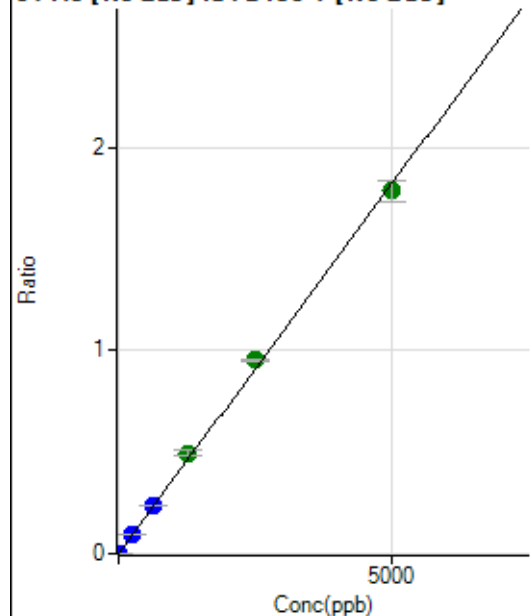
$$DL = 0.008783$$

$$BEC = 0.04637$$

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	166.68	0.0000	P	13.5
2	☐	0.500					
3	☐	5.000	4.702	7699.77	0.0017	P	4.2
4	☐	250.000	261.852	434712.24	0.0954	P	1.2
5	☐	625.000	652.757	1115543.13	0.2376	P	1.2
6	☐	1250.000	1362.122	2298523.60	0.4958	A	4.8
7	☐	2500.000	2617.238	4579964.30	0.9527	A	0.9
8	☐	5000.000	4909.289	8894941.09	1.7870	A	5.7
9	☐			3564.53	0.0008	P	6.7

$$y = 3.6400\text{E-}004 * x + 3.6969\text{E-}005$$

$$R = 0.9993$$

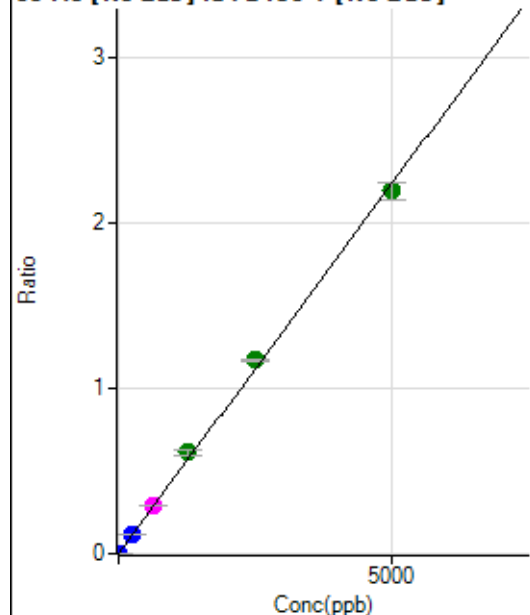
$$DL = 0.0411$$

$$BEC = 0.1016$$

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	72.23	0.0000	P	18.1
2	☐	0.500					
3	☐	5.000	4.986	9884.60	0.0022	P	2.8
4	☐	250.000	262.791	535487.60	0.1175	P	1.6
5	☐	625.000	656.589	1377510.98	0.2934	M	1.0
6	☐	1250.000	1366.334	2830083.07	0.6106	A	5.5
7	☐	2500.000	2615.845	5619960.89	1.1690	A	1.1
8	☐	5000.000	4908.406	10921225.50	2.1936	A	4.9
9	☐			5059.54	0.0011	P	6.0

$$y = 4.4690E-004 * x + 1.6027E-005$$

$$R = 0.9993$$

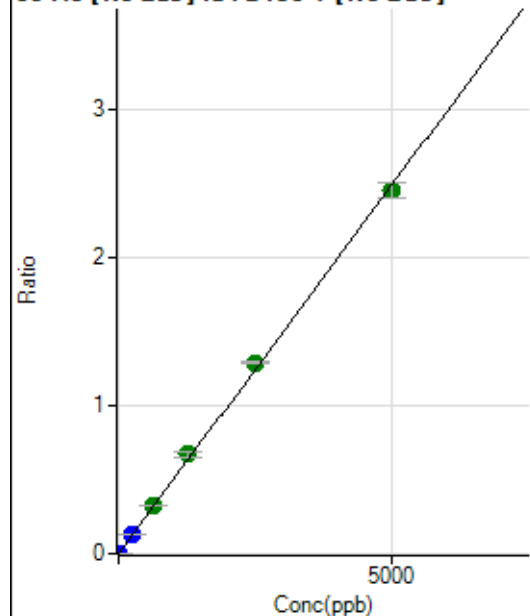
$$DL = 0.01949$$

$$BEC = 0.03586$$

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	97.23	0.0000	P	13.1
2	☐	0.500					
3	☐	5.000	4.765	10549.01	0.0024	P	4.9
4	☐	250.000	259.478	589458.25	0.1293	P	0.8
5	☐	625.000	654.457	1530660.82	0.3261	A	0.5
6	☐	1250.000	1346.049	3108070.77	0.6706	A	5.5
7	☐	2500.000	2590.683	6204700.88	1.2907	A	0.9
8	☐	5000.000	4926.491	12222052.62	2.4544	A	4.2
9	☐			6179.48	0.0013	P	4.9

$$y = 4.9819E-004 * x + 2.1560E-005$$

$$R = 0.9995$$

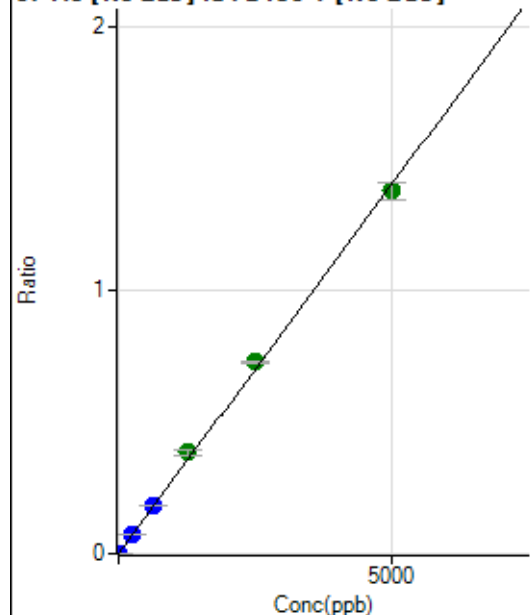
$$DL = 0.01695$$

$$BEC = 0.04328$$

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	77.78	0.0000	P	16.8
2	☐	0.500					
3	☐	5.000	4.956	6182.24	0.0014	P	5.4
4	☐	250.000	261.411	333445.43	0.0731	P	0.8
5	☐	625.000	650.899	854748.84	0.1821	P	0.2
6	☐	1250.000	1372.884	1779560.20	0.3840	A	6.1
7	☐	2500.000	2594.819	3489228.12	0.7258	A	1.0
8	☐	5000.000	4918.062	6849797.29	1.3757	A	4.5
9	☐			3139.43	0.0007	P	6.2

$$y = 2.7971\text{E-}004 * x + 1.7257\text{E-}005$$

$$R = 0.9994$$

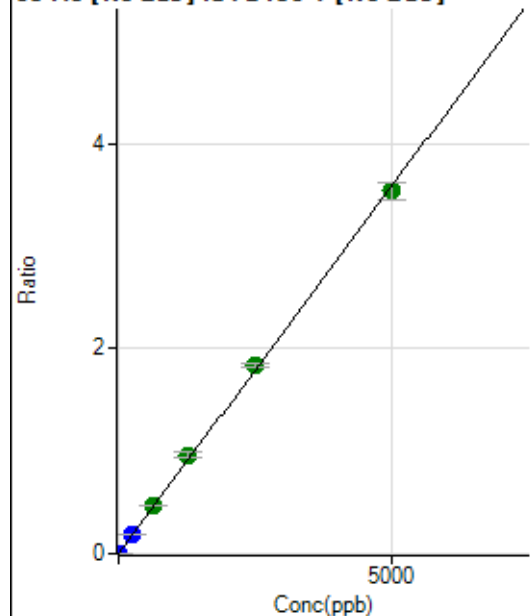
$$DL = 0.03106$$

$$BEC = 0.06169$$

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	83.34	0.0000	P	25.8
2	☐	0.500					
3	☐	5.000	5.022	15935.11	0.0036	P	1.1
4	☐	250.000	259.150	846618.22	0.1857	P	0.8
5	☐	625.000	661.616	2225359.66	0.4741	A	0.6
6	☐	1250.000	1342.198	4457472.84	0.9617	A	5.1
7	☐	2500.000	2564.501	8833279.54	1.8374	A	1.3
8	☐	5000.000	4939.666	17622808.20	3.5392	A	4.5
9	☐			7844.34	0.0017	P	2.9

$$y = 7.1648\text{E-}004 * x + 1.8462\text{E-}005$$

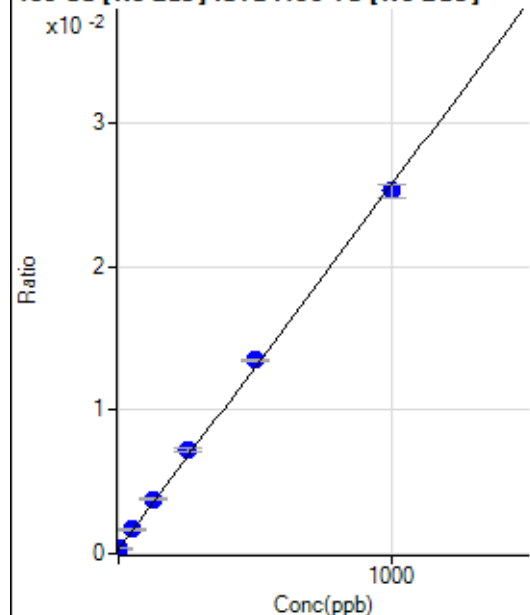
$$R = 0.9997$$

$$DL = 0.01996$$

$$BEC = 0.02577$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1227.89	0.0003	P	12.5
2	☐	0.100					
3	☐	1.000	1.761	1361.24	0.0004	P	4.1
4	☐	50.000	54.845	6793.67	0.0017	P	6.2
5	☐	125.000	137.295	15954.60	0.0038	P	3.1
6	☐	250.000	270.951	30582.76	0.0072	P	3.8
7	☐	500.000	519.537	59219.98	0.0135	P	0.8
8	☐	1000.000	983.214	115960.02	0.0253	P	3.6
9	☐			1402.92	0.0003	P	7.3

$$y = 2.5398\text{E-}005 * x + 3.1104\text{E-}004$$

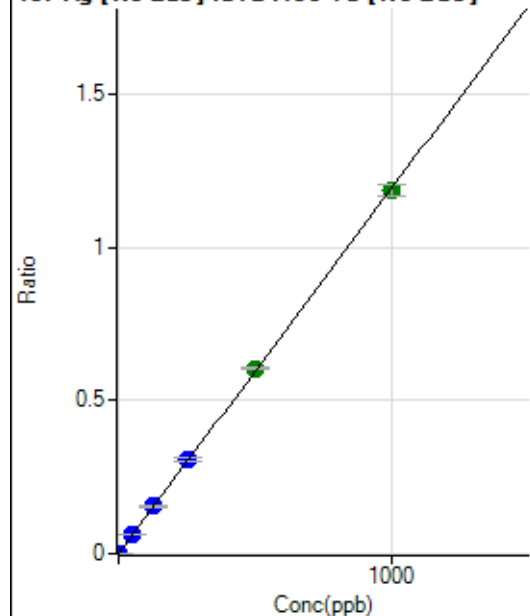
$$R = 0.9994$$

$$DL = 4.578$$

$$BEC = 12.25$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	152.79	0.0000	P	53.5
2	☐	0.100					
3	☐	1.000	1.085	5098.43	0.0013	P	5.5
4	☐	50.000	52.755	250978.04	0.0630	P	0.9
5	☐	125.000	129.430	648605.79	0.1544	P	0.7
6	☐	250.000	258.962	1313379.72	0.3089	P	3.2
7	☐	500.000	507.102	2651778.99	0.6048	A	0.5
8	☐	1000.000	993.517	5434656.11	1.1848	A	3.3
9	☐			861.18	0.0002	P	4.5

$$y = 0.0012 * x + 3.8700\text{E-}005$$

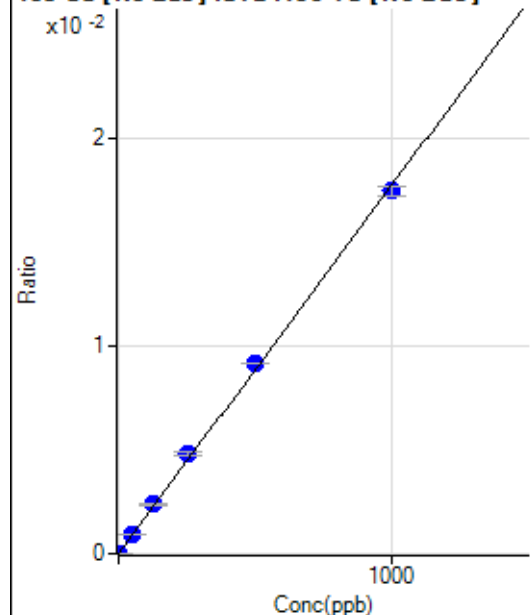
$$R = 0.9999$$

$$DL = 0.05207$$

$$BEC = 0.03245$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	9.72	0.0000	P	65.2
2	☐	0.100					
3	☐	1.000	1.173	88.89	0.0000	P	27.3
4	☐	50.000	53.608	3802.01	0.0010	P	1.1
5	☐	125.000	133.403	9953.87	0.0024	P	1.0
6	☐	250.000	271.176	20472.77	0.0048	P	2.7
7	☐	500.000	515.763	40136.38	0.0092	P	0.3
8	☐	1000.000	985.594	80227.79	0.0175	P	3.0
9	☐			20.84	0.0000	P	34.2

$$y = 1.7743\text{E-}005 * x + 2.4605\text{E-}006$$

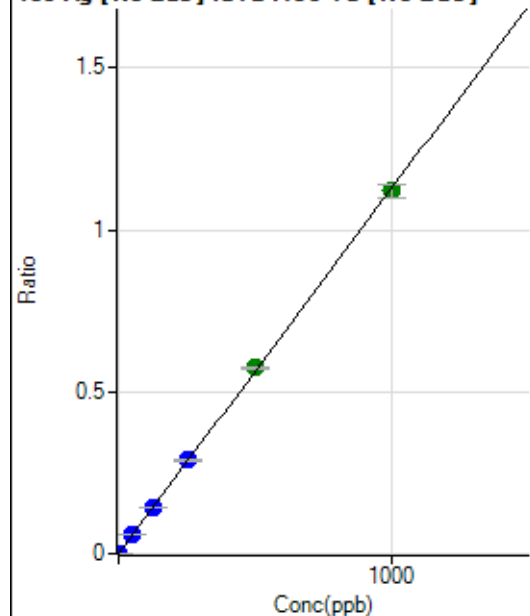
$$R = 0.9996$$

$$DL = 0.2712$$

$$BEC = 0.1387$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	152.78	0.0000	P	33.0
2	☐	0.100					
3	☐	1.000	1.085	4831.64	0.0013	P	1.6
4	☐	50.000	52.684	236960.15	0.0594	P	0.5
5	☐	125.000	128.068	606739.08	0.1444	P	0.4
6	☐	250.000	255.738	1226392.09	0.2884	P	2.6
7	☐	500.000	508.744	2515009.37	0.5736	A	1.1
8	☐	1000.000	993.676	5138517.69	1.1203	A	3.5
9	☐			925.07	0.0002	P	8.2

$$y = 0.0011 * x + 3.8687\text{E-}005$$

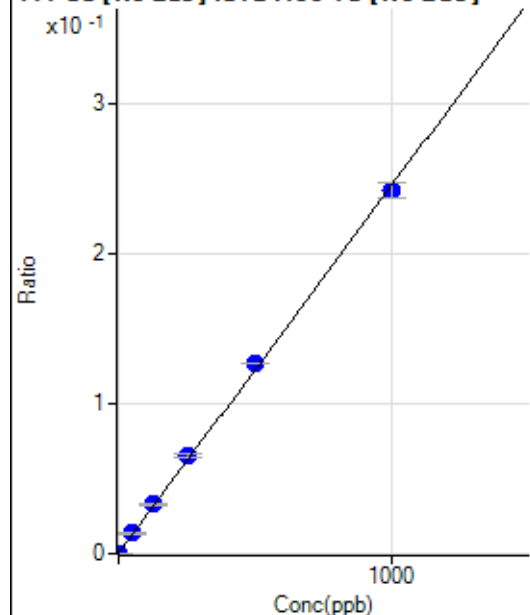
$$R = 0.9999$$

$$DL = 0.03399$$

$$BEC = 0.03431$$

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	865.21	0.0002	P	11.5
2	☐	0.100					
3	☐	1.000	1.027	1801.81	0.0005	P	5.0
4	☐	50.000	54.045	53681.86	0.0135	P	1.0
5	☐	125.000	132.579	137424.69	0.0327	P	1.1
6	☐	250.000	267.559	279755.48	0.0658	P	3.8
7	☐	500.000	516.912	556451.35	0.1269	P	0.4
8	☐	1000.000	986.004	1109214.00	0.2419	P	4.2
9	☐			1046.63	0.0003	P	8.6

$$y = 2.4509\text{E-}004 * x + 2.1918\text{E-}004$$

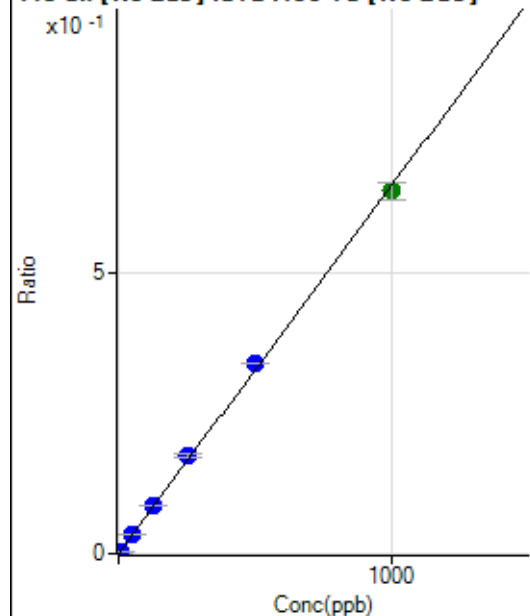
$$R = 0.9996$$

$$DL = 0.3072$$

$$BEC = 0.8943$$

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	233.35	0.0001	P	37.0
2	☐	0.500					
3	☐	5.000	5.287	13499.07	0.0035	P	3.9
4	☐	50.000	53.244	139591.91	0.0350	P	2.6
5	☐	125.000	131.997	364274.38	0.0867	P	0.1
6	☐	250.000	265.604	741707.03	0.1744	P	3.3
7	☐	500.000	518.292	1492120.87	0.3403	P	0.2
8	☐	1000.000	985.915	2968062.93	0.6473	A	4.6
9	☐			1802.99	0.0004	P	14.4

$$y = 6.5646\text{E-}004 * x + 5.9082\text{E-}005$$

$$R = 0.9996$$

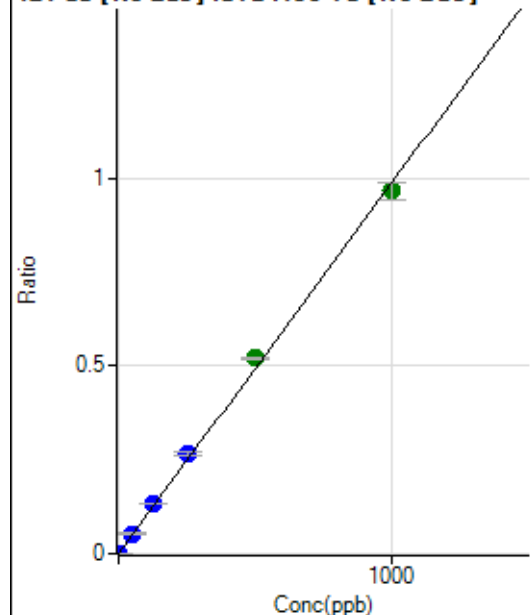
$$DL = 0.09978$$

$$BEC = 0.09$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	86.12	0.0000	P	40.4
2	☐	0.200					
3	☐	2.000	1.919	7330.14	0.0019	P	1.1
4	☐	50.000	54.321	213768.92	0.0536	P	1.2
5	☐	125.000	132.924	551049.60	0.1312	P	0.6
6	☐	250.000	270.206	1133823.05	0.2666	P	3.0
7	☐	500.000	528.840	2287861.10	0.5218	A	0.9
8	☐	1000.000	979.322	4430902.70	0.9663	A	4.4
9	☐			5390.25	0.0013	P	2.2

$$y = 9.8664\text{E-}004 * x + 2.1830\text{E-}005$$

$$R = 0.9991$$

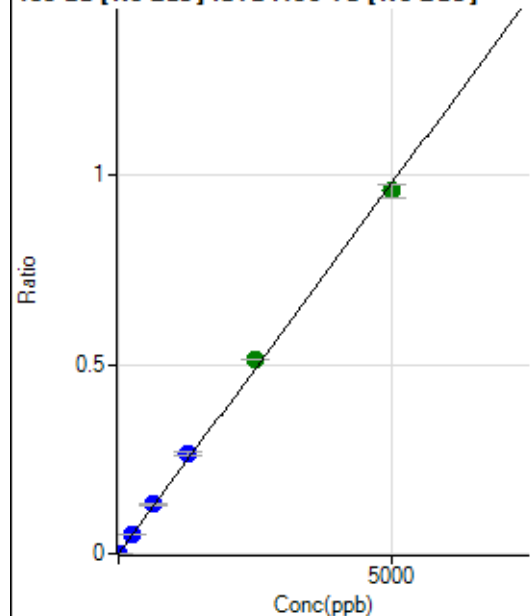
$$DL = 0.02683$$

$$BEC = 0.02213$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	36.11	0.0000	P	35.3
2	☐	1.000					
3	☐	10.000	10.320	7741.53	0.0020	P	6.0
4	☐	250.000	270.172	210466.64	0.0528	P	0.7
5	☐	625.000	663.743	544773.23	0.1297	P	0.8
6	☐	1250.000	1352.286	1123434.83	0.2642	P	3.3
7	☐	2500.000	2629.367	2252339.44	0.5137	A	0.1
8	☐	5000.000	4903.893	4393920.11	0.9580	A	3.7
9	☐			436.14	0.0001	P	17.0

$$y = 1.9536\text{E-}004 * x + 9.1503\text{E-}006$$

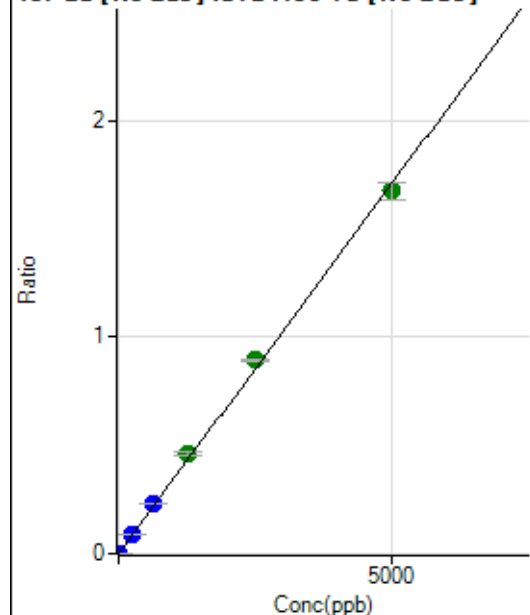
$$R = 0.9992$$

$$DL = 0.0496$$

$$BEC = 0.04684$$

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	25.00	0.0000	P	33.1
2	☐	1.000					
3	☐	10.000	10.528	13766.10	0.0036	P	3.7
4	☐	250.000	265.624	361443.47	0.0907	P	1.2
5	☐	625.000	664.764	953124.41	0.2269	P	0.3
6	☐	1250.000	1360.034	1973687.15	0.4642	A	3.6
7	☐	2500.000	2619.142	3919331.73	0.8939	A	0.7
8	☐	5000.000	4907.168	7679043.48	1.6747	A	4.8
9	☐			886.19	0.0002	P	13.2

$$y = 3.4128E-004 * x + 6.3313E-006$$

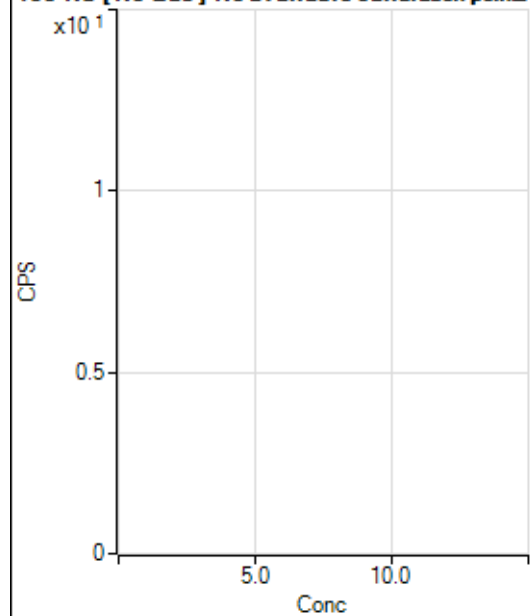
$$R = 0.9993$$

$$DL = 0.01841$$

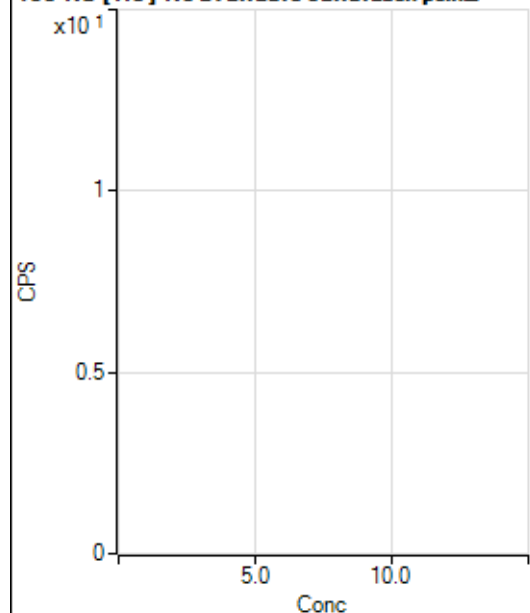
$$BEC = 0.01855$$

Weight: <None>

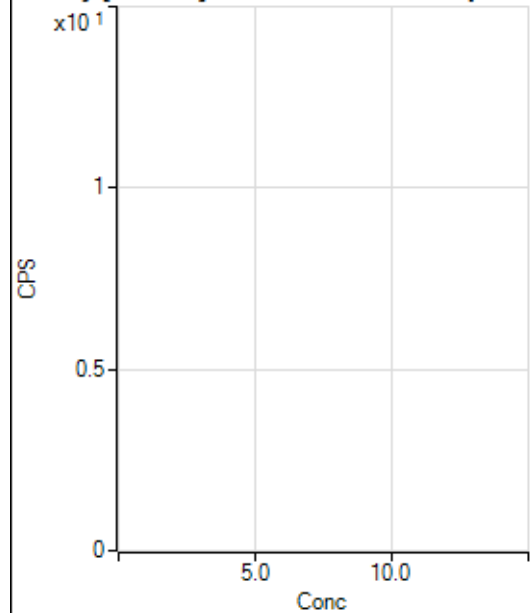
Min Conc: 0

150 Nd [No Gas] No available calibration points

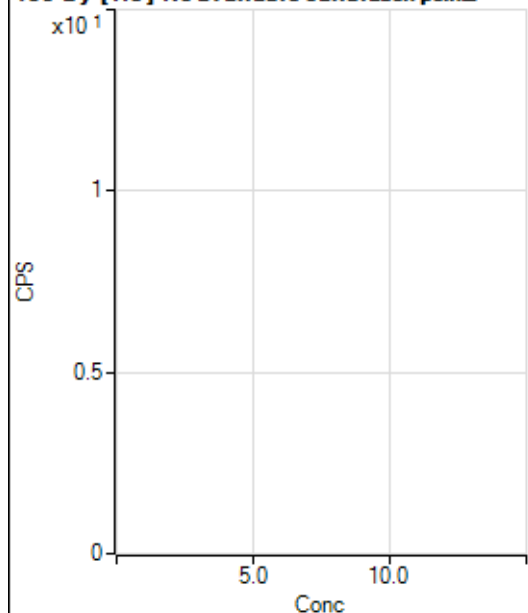
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			15.55		P	107.9
2	☐						
3	☐			13.33		P	50.0
4	☐			24.45		P	15.8
5	☐			17.78		P	21.7
6	☐			57.78		P	40.5
7	☐			111.12		P	21.1
8	☐			226.68		P	22.2
9	☐			62.22		P	62.8

150 Nd [He] No available calibration points

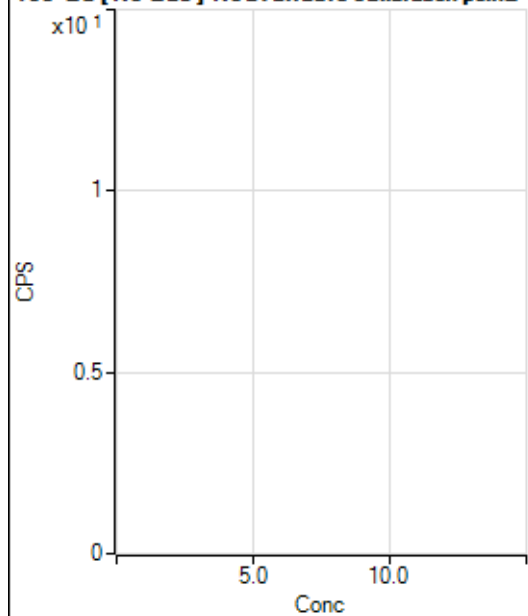
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			2.22		P	86.6
4	☐			1.11		P	173.2
5	☐			1.11		P	173.2
6	☐			5.56		P	34.7
7	☐			6.67		P	50.0
8	☐			13.33		P	43.3
9	☐			22.22		P	62.4

156 Dy [No Gas] No available calibration points

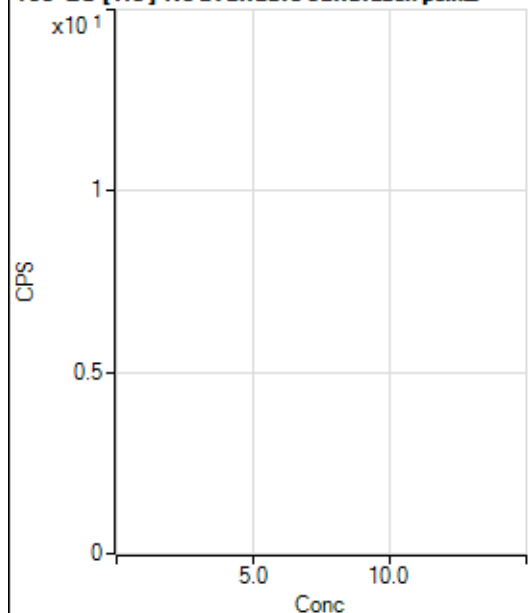
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.33		P	0.0
2	☐						
3	☐			19.44		P	49.5
4	☐			22.22		P	57.3
5	☐			13.89		P	69.3
6	☐			22.22		P	43.3
7	☐			36.11		P	66.6
8	☐			52.78		P	36.5
9	☐			38.89		P	12.4

156 Dy [He] No available calibration points

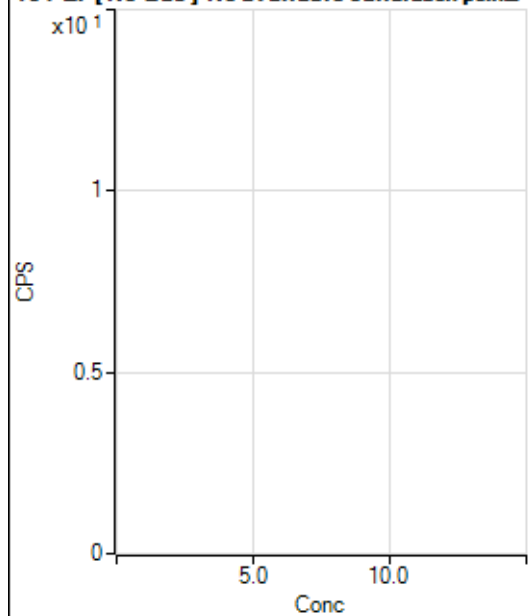
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	86.6
2	☐						
3	☐			0.00		P	
4	☐			3.33		P	0.0
5	☐			4.44		P	173.2
6	☐			4.44		P	43.4
7	☐			4.44		P	43.4
8	☐			4.45		P	86.6
9	☐			17.78		P	39.0

160 Gd [No Gas] Noavailable calibration poin_

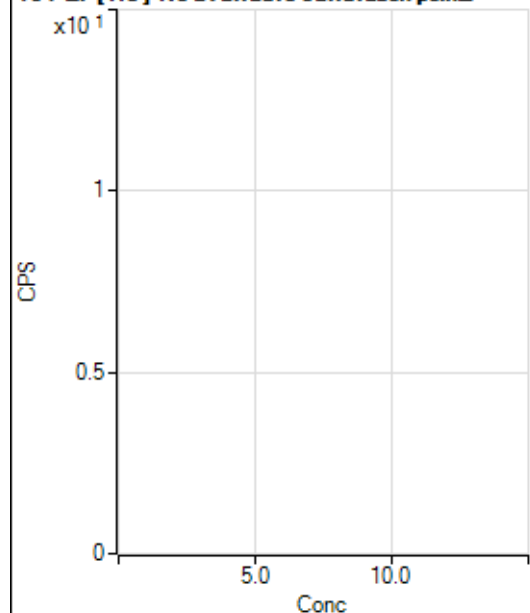
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			50.00		P	16.7
2	☐						
3	☐			30.56		P	41.7
4	☐			33.33		P	25.0
5	☐			75.01		P	19.2
6	☐			36.11		P	13.3
7	☐			47.22		P	10.2
8	☐			44.45		P	47.2
9	☐			33.34		P	43.3

160 Gd [He] No available calibration points

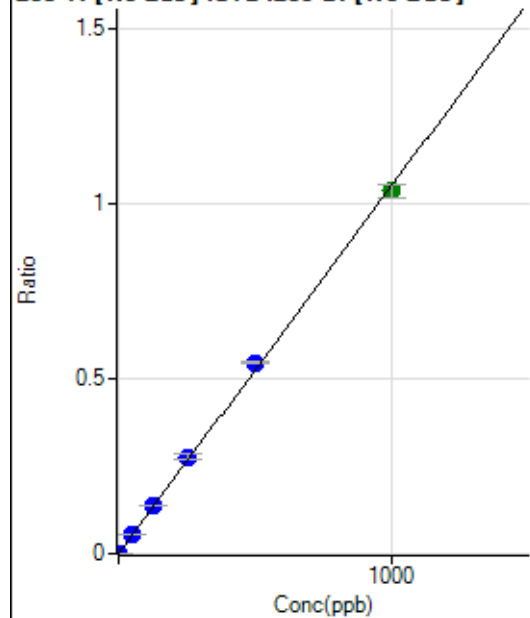
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			14.44		P	13.4
2	☐						
3	☐			21.11		P	32.9
4	☐			13.33		P	50.0
5	☐			12.22		P	83.3
6	☐			11.11		P	34.6
7	☐			16.67		P	69.3
8	☐			14.45		P	74.2
9	☐			20.00		P	88.2

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			27.78		P	62.5
2	☐						
3	☐			22.22		P	86.6
4	☐			44.45		P	39.0
5	☐			36.11		P	81.1
6	☐			27.78		P	17.3
7	☐			19.45		P	24.7
8	☐			33.33		P	25.0
9	☐			33.34		P	43.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			4.44		P	43.4
2	☐						
3	☐			4.44		P	114.6
4	☐			7.78		P	24.7
5	☐			3.33		P	100.1
6	☐			8.89		P	57.3
7	☐			6.67		P	0.0
8	☐			7.78		P	24.7
9	☐			10.00		P	57.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	38.89	0.0000	P	23.4
2	☐	0.100					
3	☐	1.000	0.943	2125.28	0.0010	P	3.8
4	☐	50.000	52.402	121985.93	0.0551	P	0.9
5	☐	125.000	129.273	318193.13	0.1360	P	1.1
6	☐	250.000	264.057	665908.33	0.2777	P	4.0
7	☐	500.000	518.497	1348867.08	0.5454	P	1.0
8	☐	1000.000	986.583	2670934.95	1.0377	A	3.6
9	☐			194.46	0.0001	P	1.9

$$y = 0.0011 * x + 1.8081E-005$$

$$R = 0.9996$$

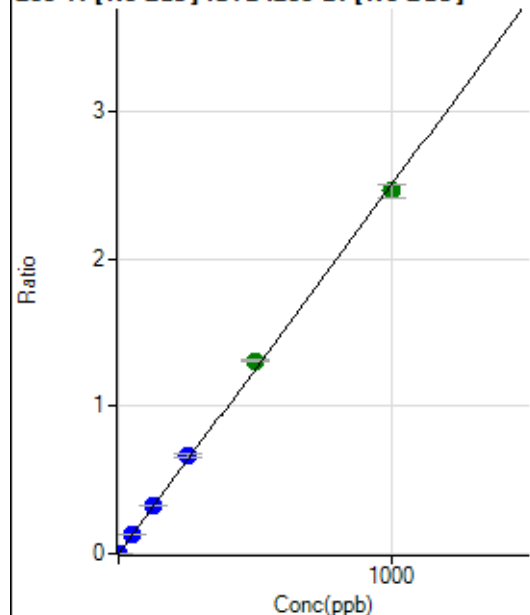
$$DL = 0.01208$$

$$BEC = 0.01719$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	63.89	0.0000	P	20.0
2	☐	0.100					
3	☐	1.000	0.986	5254.11	0.0025	P	0.9
4	☐	50.000	52.381	289925.05	0.1310	P	0.4
5	☐	125.000	130.234	762176.02	0.3257	P	0.8
6	☐	250.000	265.349	1591214.47	0.6637	P	3.9
7	☐	500.000	523.040	3235318.73	1.3081	A	1.2
8	☐	1000.000	983.869	6333838.99	2.4607	A	3.4
9	☐			400.02	0.0002	P	10.2

$$y = 0.0025 * x + 2.9760E-005$$

$$R = 0.9995$$

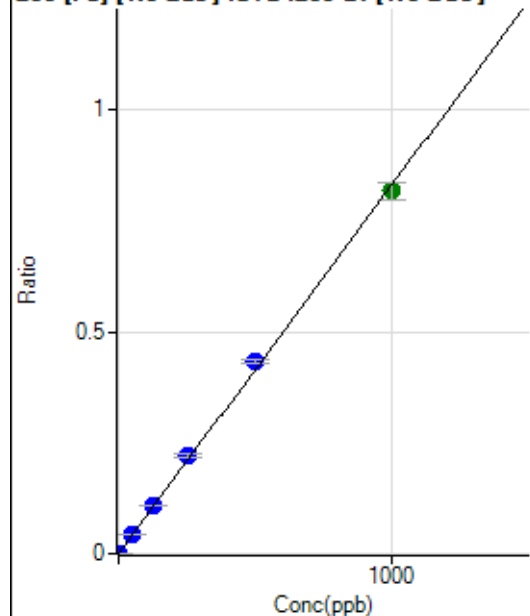
$$DL = 0.007133$$

$$BEC = 0.0119$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	218.53	0.0001	P	9.1
2	☐	0.100					
3	☐	1.000	1.040	2033.55	0.0010	P	6.3
4	☐	50.000	52.522	96690.69	0.0437	P	1.9
5	☐	125.000	130.600	253885.71	0.1085	P	1.9
6	☐	250.000	265.170	527985.21	0.2202	P	4.1
7	☐	500.000	520.282	1068345.20	0.4320	P	1.9
8	☐	1000.000	985.240	2104970.65	0.8180	A	4.6
9	☐			3561.74	0.0017	P	5.4

$$y = 8.3011E-004 * x + 1.0176E-004$$

$$R = 0.9996$$

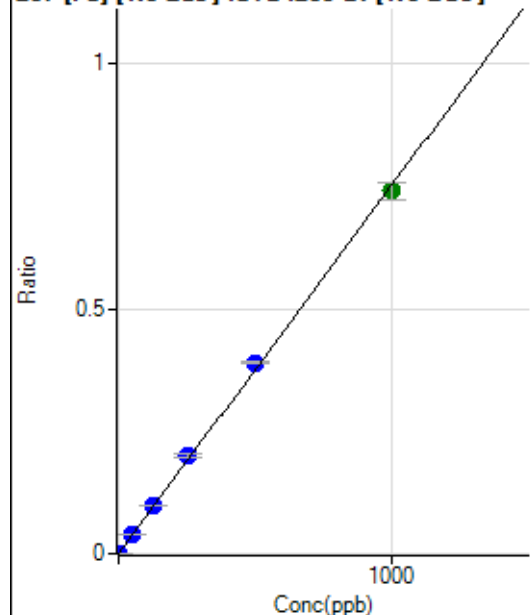
$$DL = 0.03334$$

$$BEC = 0.1226$$

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	207.42	0.0001	P	15.8
2	☐	0.100					
3	☐	1.000	0.944	1696.46	0.0008	P	2.5
4	☐	50.000	52.597	87612.18	0.0396	P	1.1
5	☐	125.000	130.446	229430.68	0.0981	P	0.9
6	☐	250.000	266.166	479451.77	0.2000	P	4.2
7	☐	500.000	519.203	964597.48	0.3900	P	1.4
8	☐	1000.000	985.547	1904887.99	0.7403	A	4.9
9	☐			3085.66	0.0014	P	1.9

$$y = 7.5101\text{E-}004 * x + 9.6738\text{E-}005$$

$$R = 0.9996$$

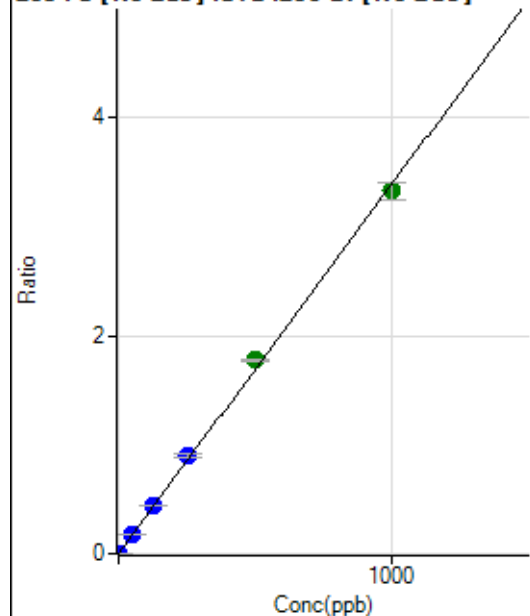
$$DL = 0.0611$$

$$BEC = 0.1288$$

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	864.86	0.0004	P	7.8
2	☐	0.100					
3	☐	1.000	0.997	7954.95	0.0038	P	4.0
4	☐	50.000	52.030	390418.93	0.1765	P	1.4
5	☐	125.000	129.672	1027545.06	0.4392	P	1.1
6	☐	250.000	263.728	2140424.06	0.8928	P	4.0
7	☐	500.000	525.311	4397209.60	1.7779	A	0.9
8	☐	1000.000	983.227	8561679.64	3.3273	A	5.0
9	☐			14097.96	0.0066	P	3.4

$$y = 0.0034 * x + 4.0279\text{E-}004$$

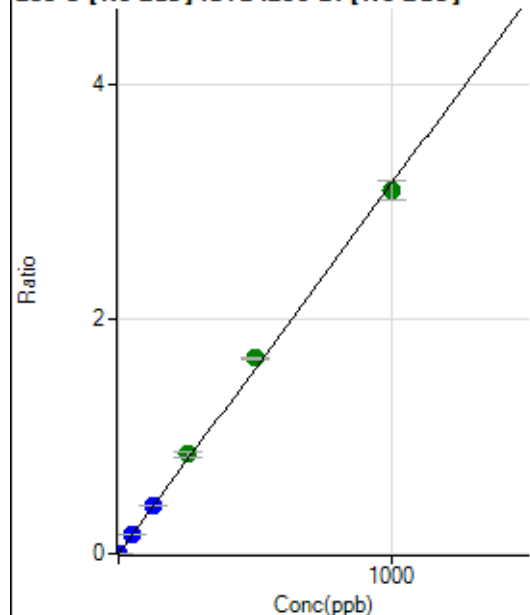
$$R = 0.9994$$

$$DL = 0.02775$$

$$BEC = 0.119$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	55.56	0.0000	P	44.6
2	☐	0.100					
3	☐	1.000	0.946	6340.80	0.0030	P	2.9
4	☐	50.000	51.295	358195.10	0.1619	P	0.7
5	☐	125.000	130.210	961451.57	0.4109	P	0.3
6	☐	250.000	269.218	2036307.36	0.8496	A	5.1
7	☐	500.000	527.970	4120921.71	1.6661	A	0.6
8	☐	1000.000	980.494	7961342.36	3.0941	A	5.2
9	☐			227.79	0.0001	P	8.5

$$y = 0.0032 * x + 2.5789E-005$$

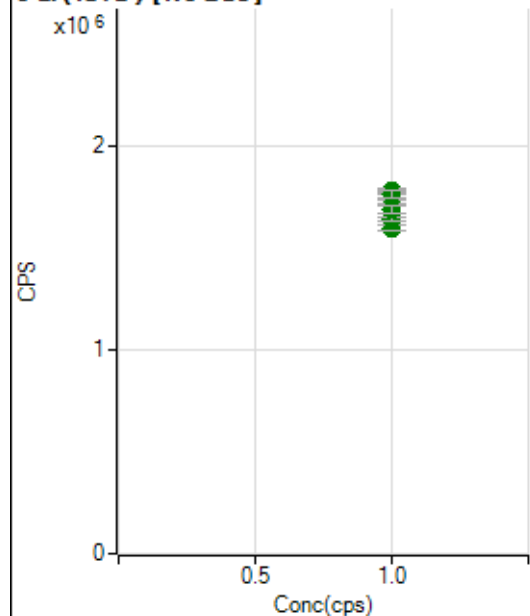
$$R = 0.9992$$

$$DL = 0.01094$$

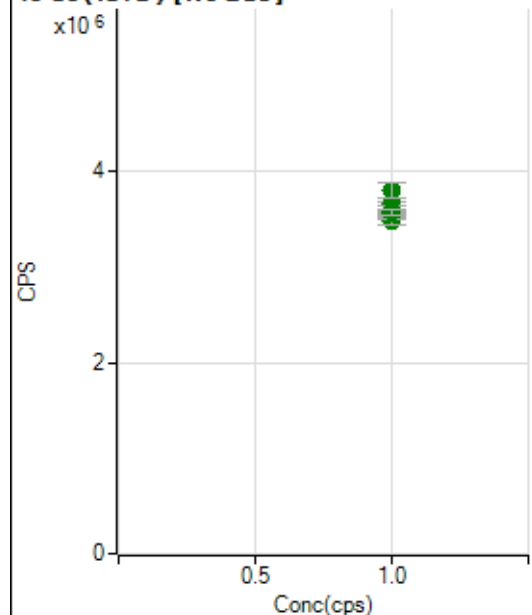
$$BEC = 0.008172$$

Weight: <None>

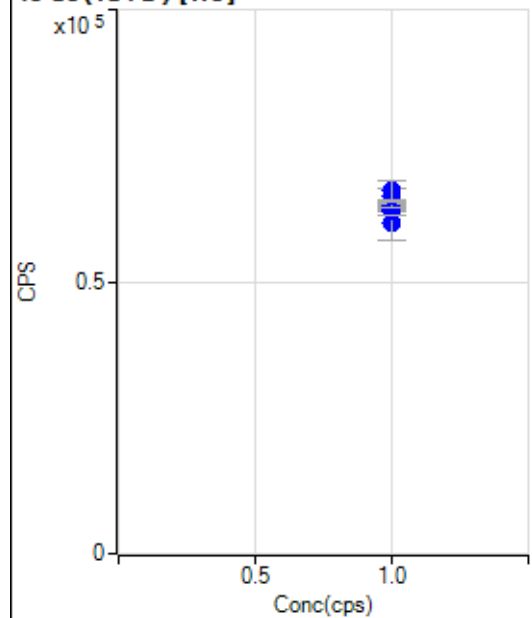
Min Conc: 0

6 Li (ISTD) [No Gas]

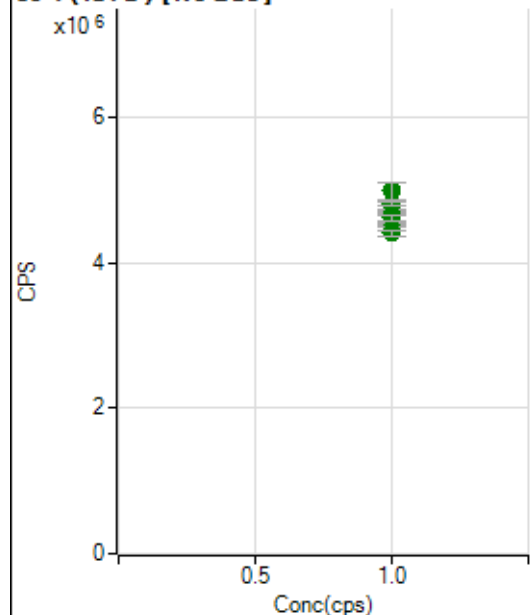
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1595594.37		A	1.8
2	☐	1.000					
3	☐	1.000		1634084.55		A	2.4
4	☐	1.000		1640727.14		A	1.2
5	☐	1.000		1779194.42		A	1.3
6	☐	1.000		1743800.32		A	3.5
7	☐	1.000		1749108.20		A	1.6
8	☐	1.000		1762419.95		A	2.5
9	☐	1.000		1687026.53		A	2.4

45 Sc (ISTD) [No Gas]

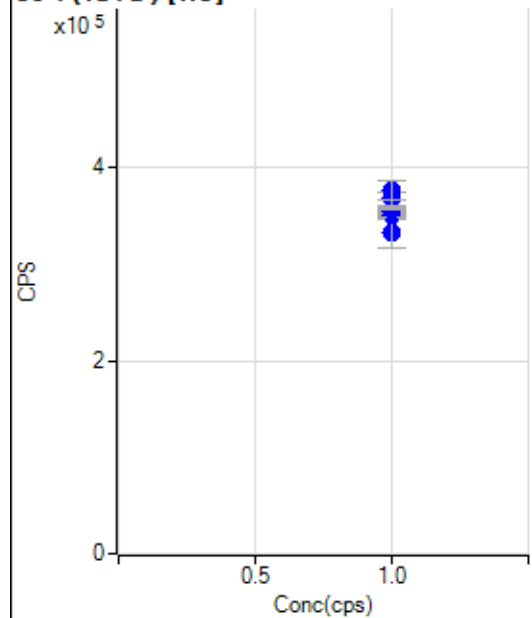
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		3549220.83		A	0.4
2	☐	1.000					
3	☐	1.000		3474768.18		A	2.3
4	☐	1.000		3563115.96		A	1.0
5	☐	1.000		3661247.48		A	0.8
6	☐	1.000		3574043.31		A	3.9
7	☐	1.000		3644461.93		A	0.4
8	☐	1.000		3798636.85		A	4.4
9	☐	1.000		3574883.85		A	1.5

45 Sc (ISTD) [He]

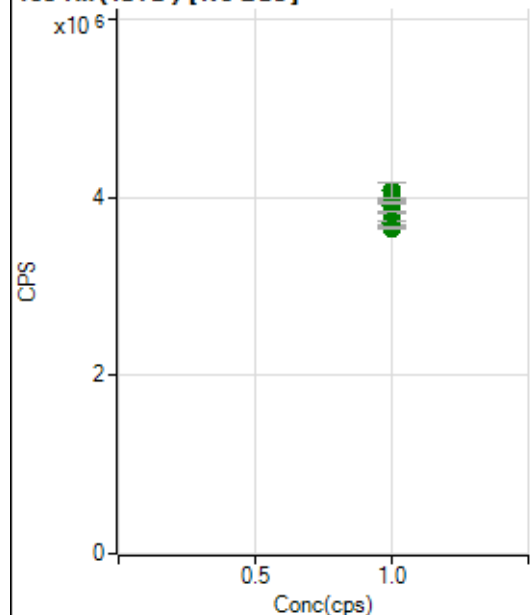
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		64201.51		P	1.2
2	☐	1.000					
3	☐	1.000		60909.86		P	10.4
4	☐	1.000		63704.84		P	1.5
5	☐	1.000		63416.96		P	0.8
6	☐	1.000		63128.28		P	2.6
7	☐	1.000		64041.76		P	0.6
8	☐	1.000		65915.03		P	3.9
9	☐	1.000		66762.54		P	5.4

89 Y (ISTD) [No Gas]

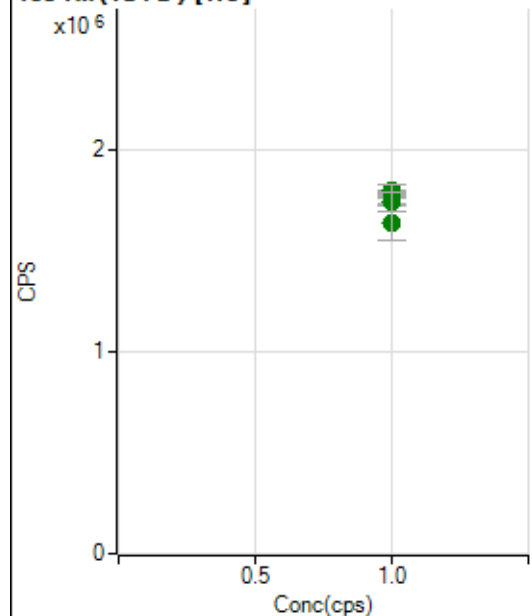
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		4509506.01		A	0.6
2	☐	1.000					
3	☐	1.000		4405782.68		A	1.6
4	☐	1.000		4559284.62		A	0.6
5	☐	1.000		4694325.90		A	0.2
6	☐	1.000		4641160.14		A	3.8
7	☐	1.000		4807526.53		A	0.8
8	☐	1.000		4986145.76		A	4.6
9	☐	1.000		4613547.12		A	1.6

89 Y (ISTD) [He]

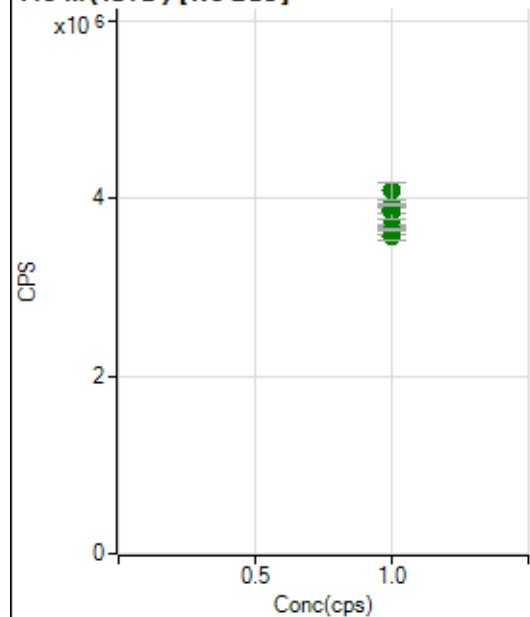
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		353354.94		P	1.1
2	☐	1.000					
3	☐	1.000		332615.35		P	10.0
4	☐	1.000		350168.08		P	2.6
5	☐	1.000		353229.99		P	0.3
6	☐	1.000		353653.79		P	2.7
7	☐	1.000		357186.05		P	0.9
8	☐	1.000		367520.96		P	3.6
9	☐	1.000		375741.54		P	5.2

103 Rh (ISTD) [No Gas]

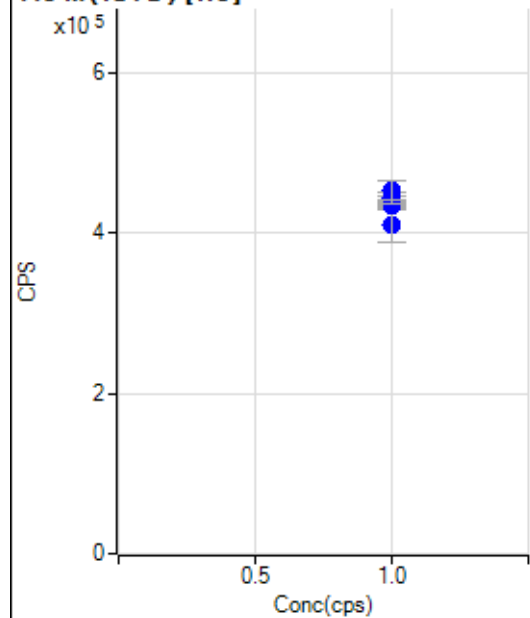
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		3823425.13		A	0.3
2	☐	1.000					
3	☐	1.000		3715437.75		A	1.3
4	☐	1.000		3818059.12		A	0.4
5	☐	1.000		3974433.99		A	0.8
6	☐	1.000		3905859.29		A	3.6
7	☐	1.000		3940722.09		A	0.4
8	☐	1.000		4068622.88		A	4.4
9	☐	1.000		3652833.50		A	1.0

103 Rh (ISTD) [He]

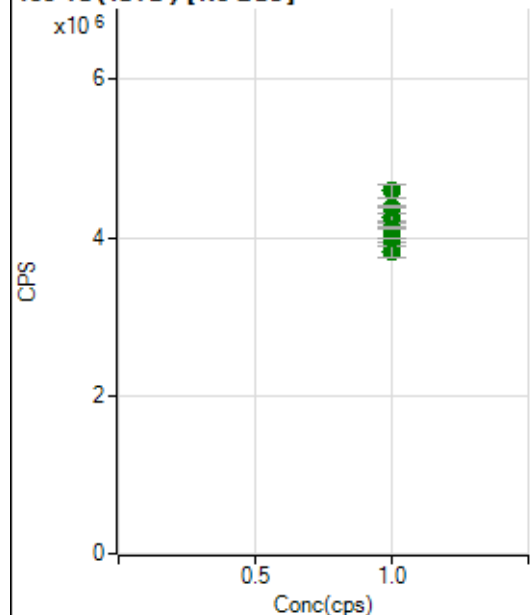
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1773051.36		A	1.1
2	☐	1.000					
3	☐	1.000		1645252.93		A	11.5
4	☐	1.000		1748221.05		A	2.0
5	☐	1.000		1770979.33		A	0.6
6	☐	1.000		1783304.04		A	1.9
7	☐	1.000		1788938.90		A	0.7
8	☐	1.000		1799968.83		A	3.6
9	☐	1.000		1748451.31		A	5.5

115 In (ISTD) [No Gas]

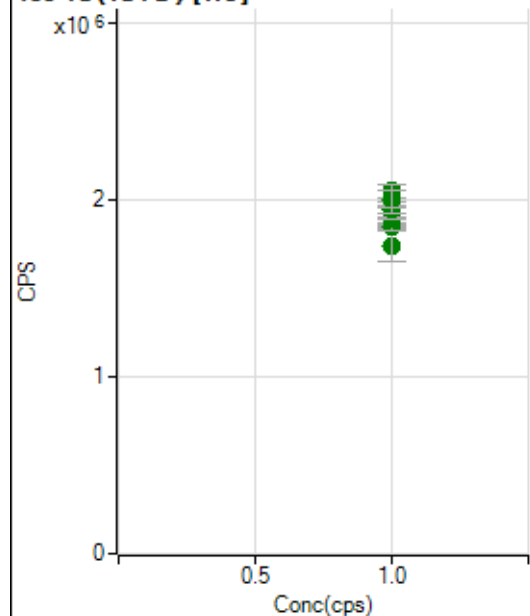
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3674248.16		A	0.8
2	☐	1.000					
3	☐	1.000		3567346.43		A	1.4
4	☐	1.000		3696948.47		A	0.6
5	☐	1.000		3869874.20		A	1.4
6	☐	1.000		3856472.29		A	4.3
7	☐	1.000		3924838.81		A	0.5
8	☐	1.000		4090151.35		A	4.7
9	☐	1.000		3646322.22		A	0.6

115 In (ISTD) [He]

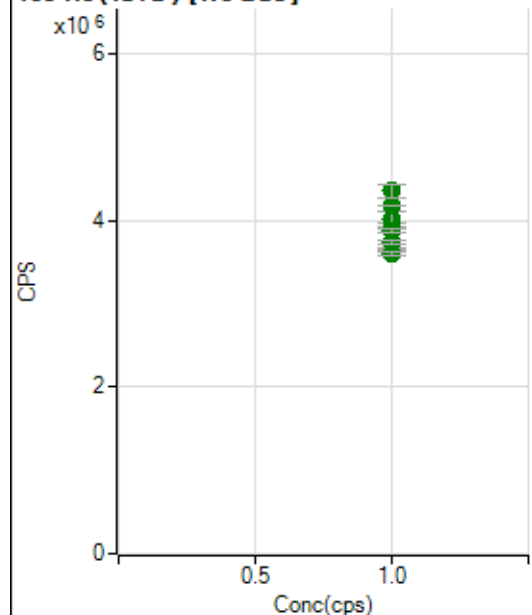
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		433514.23		P	0.5
2	☐	1.000					
3	☐	1.000		408982.60		P	10.0
4	☐	1.000		434892.82		P	2.1
5	☐	1.000		435938.95		P	0.8
6	☐	1.000		439741.58		P	2.6
7	☐	1.000		438387.84		P	0.2
8	☐	1.000		443877.07		P	3.0
9	☐	1.000		452280.21		P	5.2

159 Tb (ISTD) [No Gas]

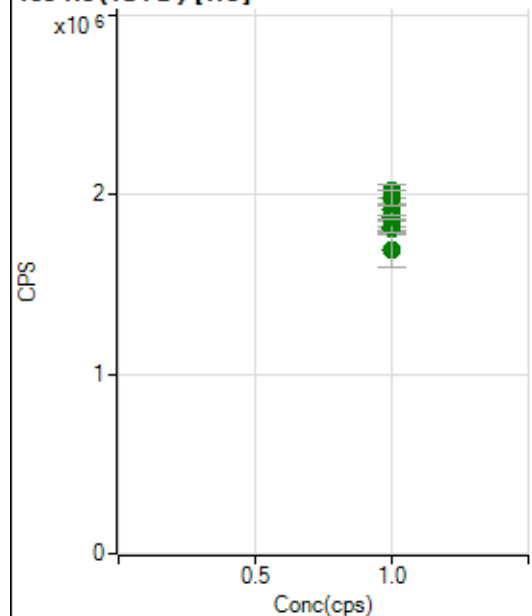
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		3946678.97		A	0.3
2	☐	1.000					
3	☐	1.000		3828152.02		A	3.7
4	☐	1.000		3986849.14		A	0.2
5	☐	1.000		4201078.48		A	0.4
6	☐	1.000		4255087.26		A	3.0
7	☐	1.000		4384722.78		A	0.6
8	☐	1.000		4590274.48		A	3.4
9	☐	1.000		4120783.62		A	0.7

159 Tb (ISTD) [He]

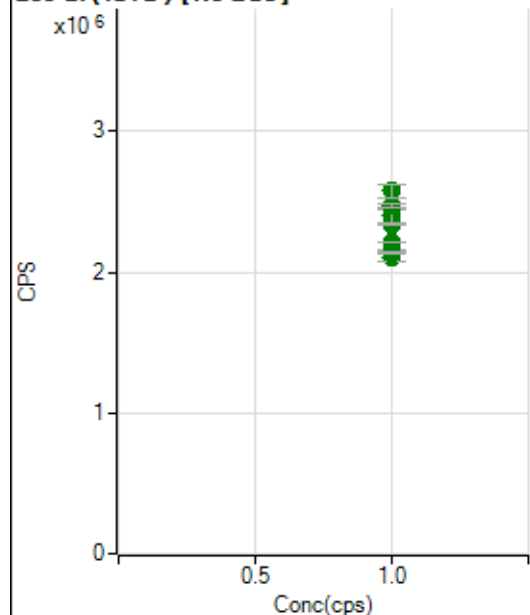
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1854731.29		A	0.5
2	☐	1.000					
3	☐	1.000		1741946.83		A	10.7
4	☐	1.000		1848262.38		A	2.4
5	☐	1.000		1893957.52		A	1.1
6	☐	1.000		1946911.90		A	2.1
7	☐	1.000		1998740.54		A	0.8
8	☐	1.000		2047840.73		A	3.5
9	☐	1.000		1998944.69		A	4.8

165 Ho (ISTD) [No Gas]

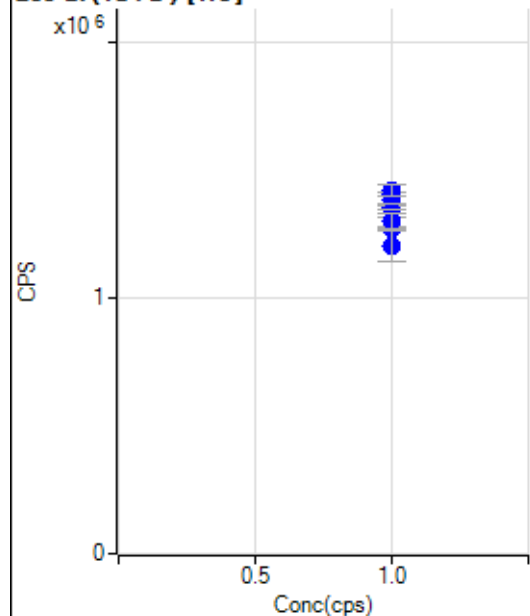
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		3655643.88		A	1.0
2	☐	1.000					
3	☐	1.000		3605112.15		A	1.6
4	☐	1.000		3740969.83		A	0.9
5	☐	1.000		3928151.26		A	1.9
6	☐	1.000		4020685.59		A	4.3
7	☐	1.000		4176894.02		A	0.3
8	☐	1.000		4356148.23		A	3.6
9	☐	1.000		3883235.20		A	1.3

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1809263.03		A	1.5
2	☐	1.000					
3	☐	1.000		1688740.25		A	10.9
4	☐	1.000		1825041.87		A	3.6
5	☐	1.000		1877297.00		A	1.0
6	☐	1.000		1920464.35		A	3.1
7	☐	1.000		1947804.03		A	0.5
8	☐	1.000		2022376.98		A	3.6
9	☐	1.000		1980926.24		A	4.0

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		2146798.47		A	1.2
2	☐	1.000					
3	☐	1.000		2105820.87		A	2.7
4	☐	1.000		2212571.23		A	0.2
5	☐	1.000		2339743.00		A	1.0
6	☐	1.000		2399905.23		A	3.8
7	☐	1.000		2473494.60		A	1.5
8	☐	1.000		2575992.70		A	3.4
9	☐	1.000		2135694.08		A	0.6

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1266359.46		P	1.2
2	☐	1.000					
3	☐	1.000		1203318.37		P	10.3
4	☐	1.000		1296668.97		P	3.2
5	☐	1.000		1351203.33		P	1.2
6	☐	1.000		1380688.92		P	2.0
7	☐	1.000		1403541.21		P	0.8
8	☐	1.000		1417153.24		P	3.0
9	☐	1.000		1298242.98		P	4.8