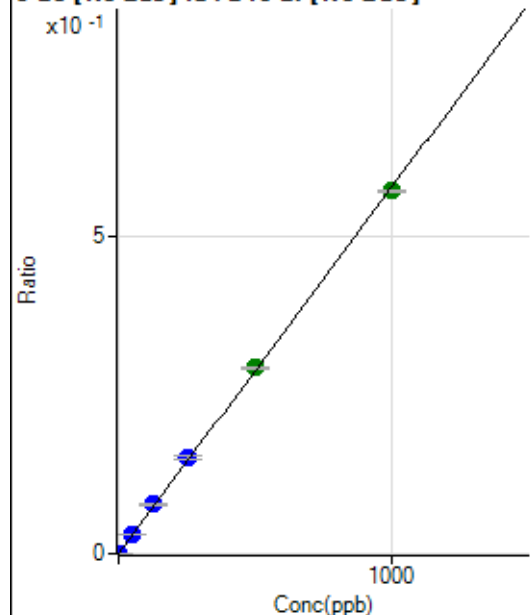


# Calibration for 010CAL.S.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8020823 MS.b\  
 Analysis File: P8020823 MS.batch.bin  
 DA Date-Time: 2023-02-08 15:05:36  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2023-02-08 11:58:23
2	005CAL.S.d	S02	2023-02-08 12:01:33
3	006CAL.S.d	S03	2023-02-08 12:04:45
4	007CAL.S.d	S04	2023-02-08 12:07:51
5	008CAL.S.d	S05	2023-02-08 12:11:00
6	009CAL.S.d	S06	2023-02-08 12:14:06
7	010CAL.S.d	S07	2023-02-08 12:17:15
8	011CAL.S.d	S08	2023-02-08 12:20:21

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	68.74	0.0000	P	10.8
2	<input type="checkbox"/>	1.000	1.068	2821.18	0.0006	P	2.1
3	<input type="checkbox"/>	50.000	51.794	131797.25	0.0299	P	1.1
4	<input type="checkbox"/>	125.000	134.016	339520.32	0.0773	P	1.1
5	<input type="checkbox"/>	250.000	263.515	654441.46	0.1520	P	3.8
6	<input type="checkbox"/>	500.000	509.133	1247325.90	0.2937	A	1.0
7	<input type="checkbox"/>	1000.000	990.838	2411375.64	0.5716	A	0.7
8	<input type="checkbox"/>			995.75	0.0002	P	19.2

$$y = 5.7689\text{E-}004 * x + 1.5397\text{E-}005$$

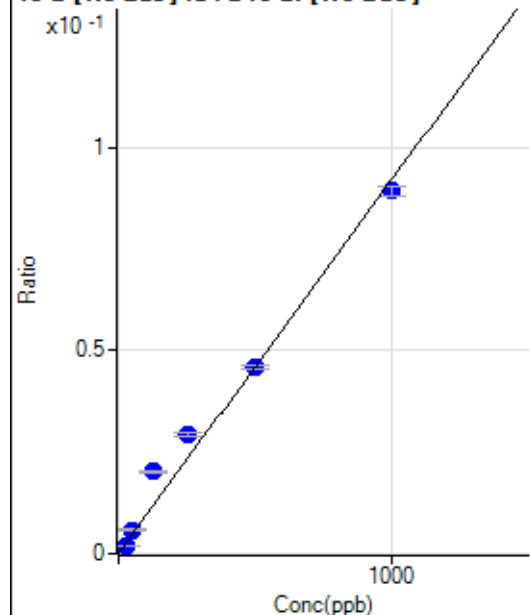
$$R = 0.9998$$

$$DL = 0.008641$$

$$BEC = 0.02669$$

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	429.25	0.0001	P	0.9
2	<input type="checkbox"/>	25.000	21.136	9115.71	0.0020	P	2.1
3	<input type="checkbox"/>	50.000	63.361	26109.98	0.0059	P	4.3
4	<input type="checkbox"/>	125.000	218.039	88448.11	0.0201	P	2.7
5	<input type="checkbox"/>	250.000	319.069	126765.29	0.0294	P	2.4
6	<input type="checkbox"/>	500.000	498.420	195065.10	0.0459	P	1.9
7	<input type="checkbox"/>	1000.000	971.321	377244.08	0.0894	P	2.8
8	<input type="checkbox"/>			20038.39	0.0050	P	6.8

$$y = 9.1954\text{E-}005 * x + 9.6292\text{E-}005$$

$$R = 0.9933$$

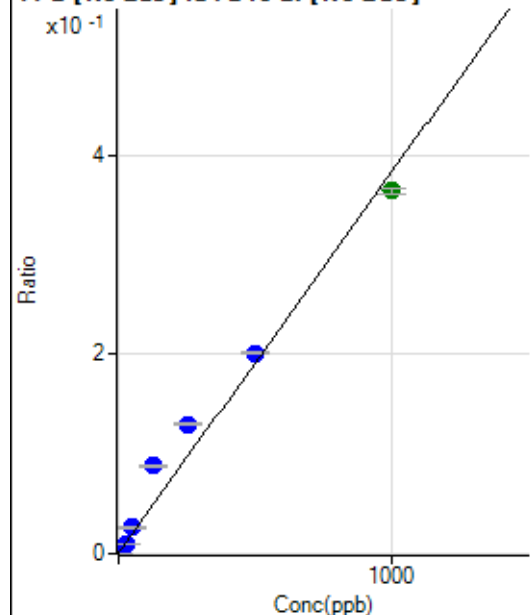
$$DL = 0.02865$$

$$BEC = 1.047$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	1977.75	0.0004	P	2.0
2	<input type="checkbox"/>	25.000	22.116	39744.37	0.0089	P	2.7
3	<input type="checkbox"/>	50.000	68.196	116825.07	0.0265	P	3.5
4	<input type="checkbox"/>	125.000	229.145	386402.19	0.0880	P	1.8
5	<input type="checkbox"/>	250.000	339.609	560805.74	0.1302	P	2.1
6	<input type="checkbox"/>	500.000	524.539	853130.53	0.2009	P	1.0
7	<input type="checkbox"/>	1000.000	951.473	1535497.40	0.3640	A	1.3
8	<input type="checkbox"/>			87115.60	0.0218	P	6.0

$$y = 3.8211E-004 * x + 4.4377E-004$$

$$R = 0.9900$$

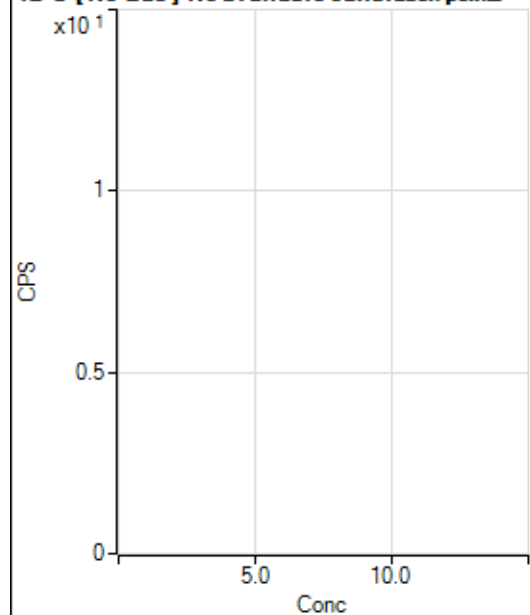
$$DL = 0.0697$$

$$BEC = 1.161$$

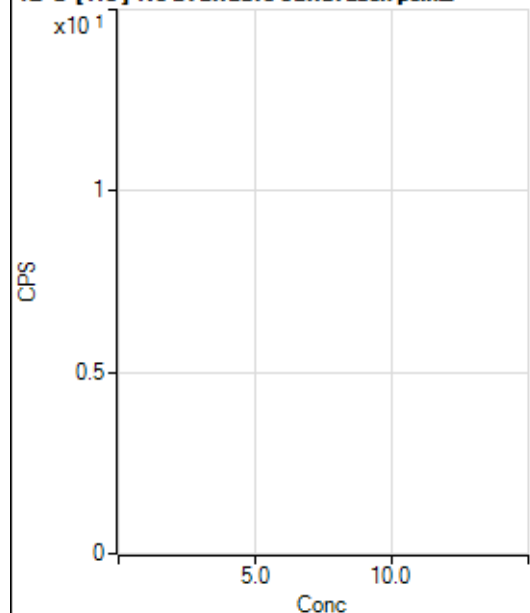
Weight: &lt;None&gt;

Min Conc: 0

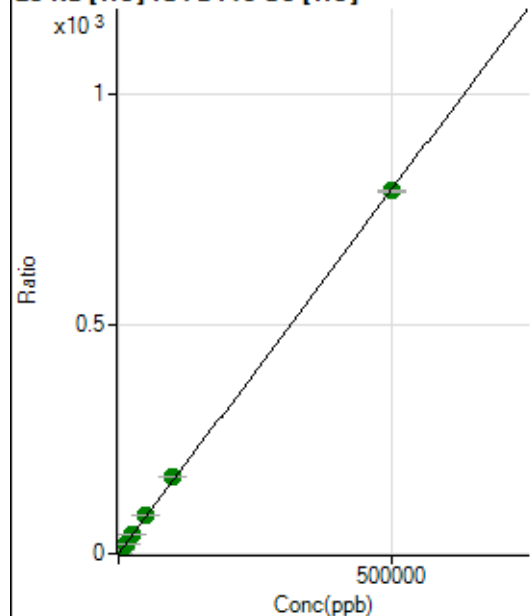
12 C [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			4711702.23		A	2.4
2	<input type="checkbox"/>			5103853.15		A	2.4
3	<input type="checkbox"/>			4998817.91		A	0.6
4	<input type="checkbox"/>			5165567.91		A	1.7
5	<input type="checkbox"/>			5320544.91		A	1.9
6	<input type="checkbox"/>			5547084.63		A	2.6
7	<input type="checkbox"/>			5821909.29		A	2.8
8	<input type="checkbox"/>			5183878.24		A	2.3

**12 C [He] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			52026.03		P	2.1
2	<input type="checkbox"/>			54663.37		P	1.5
3	<input type="checkbox"/>			54827.98		P	0.5
4	<input type="checkbox"/>			58073.66		P	0.9
5	<input type="checkbox"/>			59164.09		P	1.0
6	<input type="checkbox"/>			62756.42		P	1.5
7	<input type="checkbox"/>			67321.27		P	0.9
8	<input type="checkbox"/>			62028.83		P	0.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	12383.30	0.0823	P	2.0
2	<input type="checkbox"/>	500.000	489.627	130471.59	0.8590	P	3.4
3	<input type="checkbox"/>	5000.000	5247.273	1258682.88	8.4064	A	1.5
4	<input type="checkbox"/>	12500.000	13870.957	3218078.93	22.0869	A	0.7
5	<input type="checkbox"/>	25000.000	26361.720	6160885.55	41.9019	A	4.0
6	<input type="checkbox"/>	50000.000	52701.190	12266272.84	83.6863	A	2.7
7	<input type="checkbox"/>	100000.00	105528.73	24972822.78	167.4908	A	1.1
8	<input type="checkbox"/>	500000.00	498519.31	112215721.9	790.9227	A	0.3

$$y = 0.0016 * x + 0.0823$$

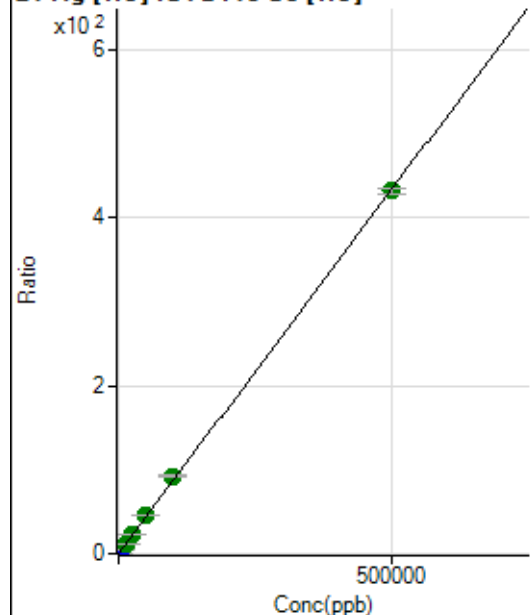
$$R = 0.9999$$

$$DL = 3.039$$

$$BEC = 51.86$$

Weight: &lt;None&gt;

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	294.45	0.0020	P	3.6
2	<input type="checkbox"/>	500.000	490.933	64864.95	0.4271	P	3.7
3	<input type="checkbox"/>	5000.000	5322.905	690467.99	4.6111	P	0.9
4	<input type="checkbox"/>	12500.000	14223.695	1794650.67	12.3183	A	3.0
5	<input type="checkbox"/>	25000.000	26996.506	3437210.45	23.3783	A	3.0
6	<input type="checkbox"/>	50000.000	52823.912	6705099.37	45.7424	A	2.4
7	<input type="checkbox"/>	100000.00	106072.43	13693921.32	91.8504	A	2.3
8	<input type="checkbox"/>	500000.00	498356.98	61228272.20	431.5309	A	1.8

$$y = 8.6590E-004 * x + 0.0020$$

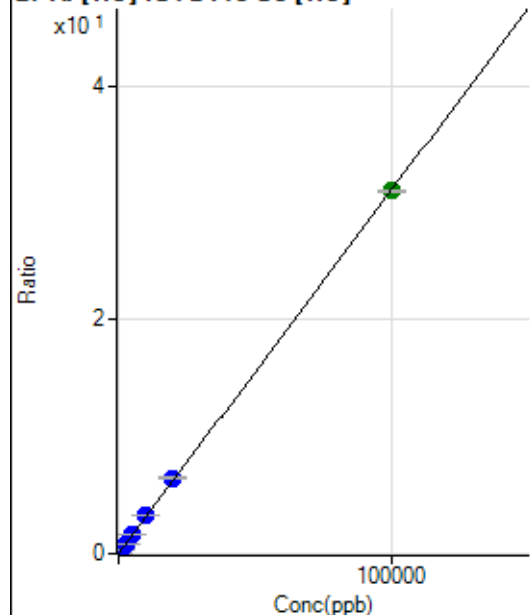
$$R = 0.9999$$

$$DL = 0.2417$$

$$BEC = 2.259$$

Weight: &lt;None&gt;

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	60.82	0.0004	P	21.7
2	<input type="checkbox"/>	20.000	21.268	1065.74	0.0070	P	0.8
3	<input type="checkbox"/>	1000.000	1061.066	49472.83	0.3304	P	0.8
4	<input type="checkbox"/>	2500.000	2830.697	128311.11	0.8806	P	1.1
5	<input type="checkbox"/>	5000.000	5384.665	246232.28	1.6748	P	2.9
6	<input type="checkbox"/>	10000.000	10458.984	476826.56	3.2528	P	1.4
7	<input type="checkbox"/>	20000.000	20820.047	965317.07	6.4747	P	1.9
8	<input type="checkbox"/>	100000.00	99761.981	4401501.49	31.0228	A	0.9

$$y = 3.1096E-004 * x + 4.0342E-004$$

$$R = 1.0000$$

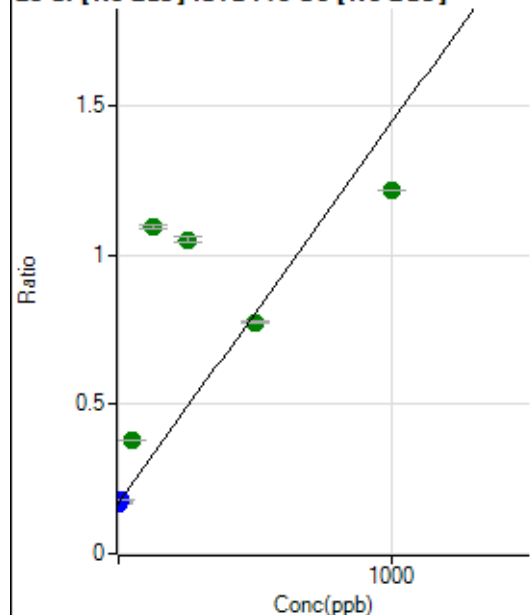
$$DL = 0.8429$$

$$BEC = 1.297$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	814690.49	0.1694	P	1.8
2	<input type="checkbox"/>	10.000	7.721	863990.07	0.1792	P	1.0
3	<input type="checkbox"/>	50.000	165.396	1813458.83	0.3800	A	1.3
4	<input type="checkbox"/>	125.000	726.198	5136063.01	1.0939	A	1.4
5	<input type="checkbox"/>	250.000	692.117	4864583.27	1.0505	A	2.1
6	<input type="checkbox"/>	500.000	475.236	3624001.73	0.7744	A	1.0
7	<input type="checkbox"/>	1000.000	820.956	5752169.62	1.2145	A	0.1
8	<input type="checkbox"/>			1547331.75	0.3449	A	2.8

$$y = 0.0013 * x + 0.1694$$

$$R = 0.6928$$

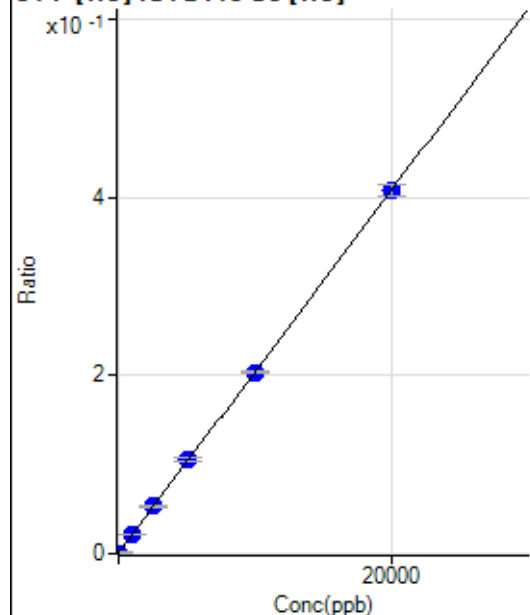
$$DL = 7.137$$

$$BEC = 133.1$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	-13.352	75.00	0.0005	P	20.3
2	<input type="checkbox"/>	0.000	13.352	158.34	0.0010	P	23.1
3	<input type="checkbox"/>	1000.000	985.468	3119.86	0.0208	P	3.1
4	<input type="checkbox"/>	2500.000	2580.675	7768.95	0.0533	P	4.2
5	<input type="checkbox"/>	5000.000	5163.440	15572.62	0.1059	P	3.5
6	<input type="checkbox"/>	10000.000	9977.931	29903.76	0.2040	P	1.4
7	<input type="checkbox"/>	20000.000	19960.817	60719.12	0.4073	P	3.0
8	<input type="checkbox"/>			144.45	0.0010	P	18.2

$$y = 2.0365E-005 * x + 7.7077E-004$$

$$R = 1.0000$$

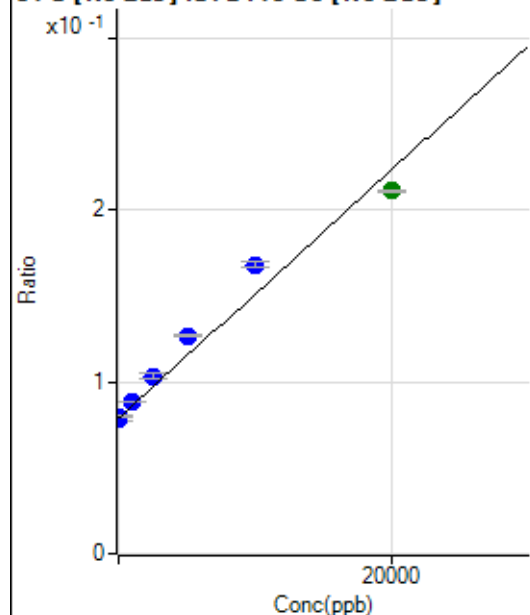
$$DL = 25.16$$

$$BEC = 37.85$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	-93.351	376372.19	0.0783	P	1.6
2	<input type="checkbox"/>	0.000	93.351	383754.97	0.0796	P	1.3
3	<input type="checkbox"/>	1000.000	1327.793	422527.79	0.0885	P	0.3
4	<input type="checkbox"/>	2500.000	3396.758	485706.99	0.1035	P	2.6
5	<input type="checkbox"/>	5000.000	6590.665	585914.00	0.1265	P	1.0
6	<input type="checkbox"/>	10000.000	12352.132	786633.37	0.1681	P	1.7
7	<input type="checkbox"/>	20000.000	18297.783	999455.93	0.2110	A	0.9
8	<input type="checkbox"/>			338425.65	0.0754	P	2.3

$$y = 7.2194E-006 * x + 0.0789$$

$$R = 0.9844$$

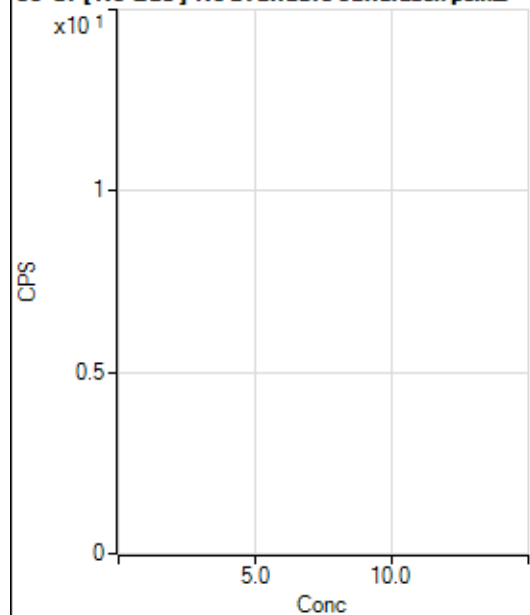
$$DL = 462.9$$

$$BEC = 1.093E+04$$

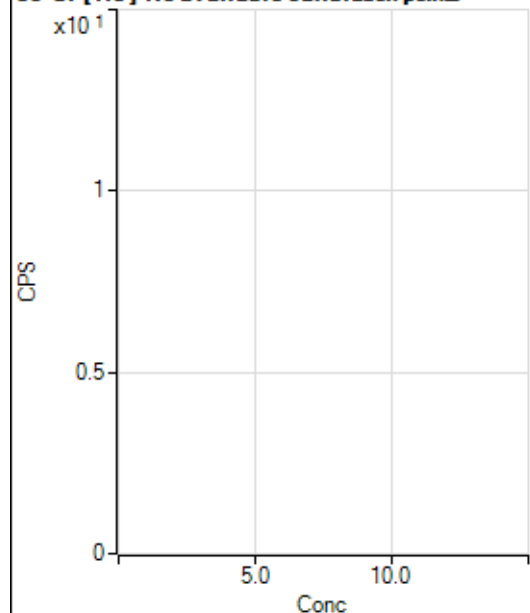
Weight: &lt;None&gt;

Min Conc: 0

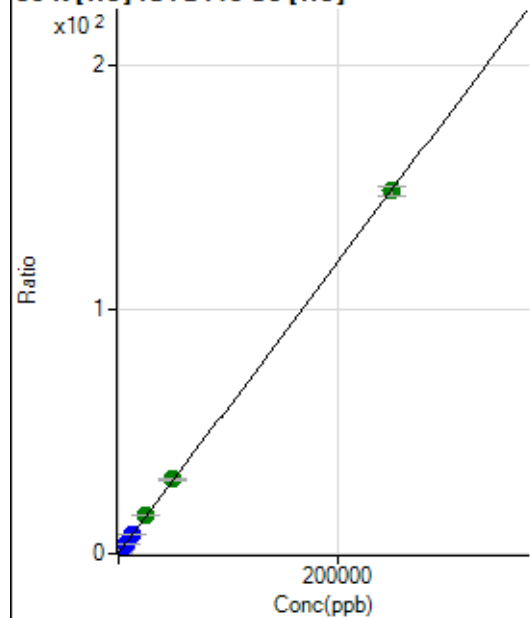
35 Cl [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			169419.26		P	1.4
2	<input type="checkbox"/>			180152.52		P	1.5
3	<input type="checkbox"/>			187876.34		P	0.6
4	<input type="checkbox"/>			185853.26		P	0.7
5	<input type="checkbox"/>			185341.59		P	0.6
6	<input type="checkbox"/>			183120.31		P	0.7
7	<input type="checkbox"/>			189124.32		P	0.2
8	<input type="checkbox"/>			183993.70		P	0.6

**35 Cl [He] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			1141.75		P	12.1
2	<input type="checkbox"/>			1305.65		P	4.3
3	<input type="checkbox"/>			1227.86		P	10.4
4	<input type="checkbox"/>			1350.10		P	4.3
5	<input type="checkbox"/>			1219.53		P	1.4
6	<input type="checkbox"/>			1138.97		P	8.0
7	<input type="checkbox"/>			1250.09		P	3.7
8	<input type="checkbox"/>			1258.42		P	6.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	20078.36	0.1334	P	3.3
2	<input type="checkbox"/>	500.000	465.963	62301.87	0.4102	P	1.8
3	<input type="checkbox"/>	2500.000	2575.355	249046.19	1.6633	P	1.2
4	<input type="checkbox"/>	6250.000	6840.893	611506.44	4.1972	P	1.9
5	<input type="checkbox"/>	12500.000	13075.804	1161600.99	7.9010	P	2.2
6	<input type="checkbox"/>	25000.000	25988.144	2282549.34	15.5715	A	1.5
7	<input type="checkbox"/>	50000.000	51181.649	4552875.93	30.5376	A	1.8
8	<input type="checkbox"/>	250000.00	249620.60	21056632.41	148.4194	A	2.6

$$y = 5.9405E-004 * x + 0.1334$$

$$R = 1.0000$$

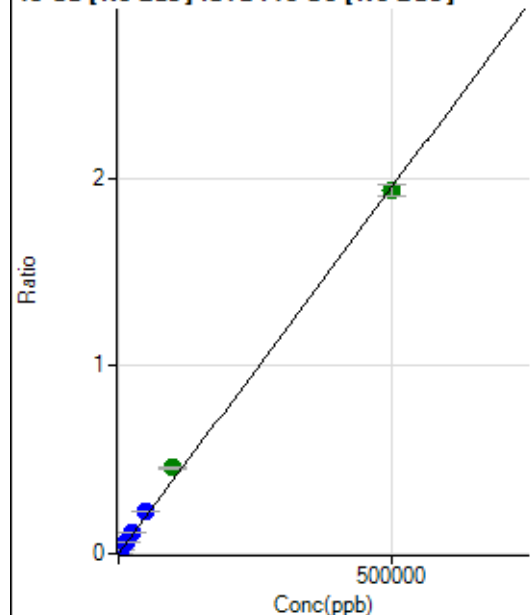
$$DL = 22.47$$

$$BEC = 224.5$$

Weight: &lt;None&gt;

Min Conc: 0



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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	125.40	0.0000	P	4.6
2	<input type="checkbox"/>	500.000	507.246	9662.88	0.0020	P	0.9
3	<input type="checkbox"/>	5000.000	5767.346	107485.19	0.0225	P	1.1
4	<input type="checkbox"/>	12500.000	15201.846	278499.04	0.0593	P	1.7
5	<input type="checkbox"/>	25000.000	29841.920	539163.65	0.1164	P	0.4
6	<input type="checkbox"/>	50000.000	57665.981	1052490.02	0.2249	P	2.0
7	<input type="checkbox"/>	100000.00	117223.72	2165632.58	0.4572	A	1.6
8	<input type="checkbox"/>	500000.00	495471.33	8670956.77	1.9325	A	3.1

$$y = 3.9003\text{E-}006 * x + 2.6067\text{E-}005$$

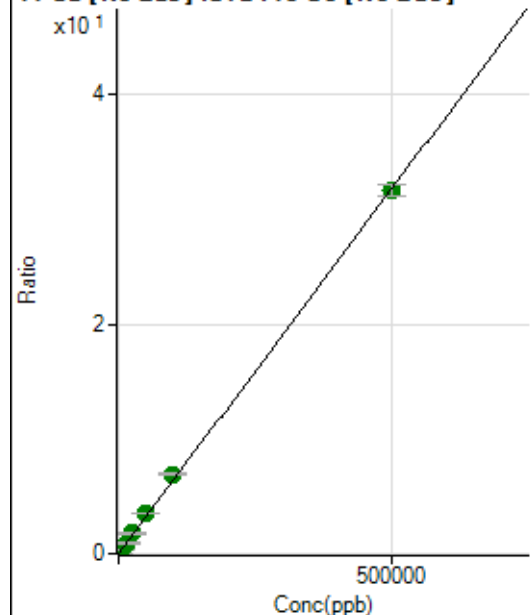
$$R = 0.9993$$

$$DL = 0.9311$$

$$BEC = 6.684$$

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	9154.08	0.0019	P	0.8
2	<input type="checkbox"/>	500.000	503.965	163530.37	0.0339	P	1.6
3	<input type="checkbox"/>	5000.000	5453.267	1662912.13	0.3484	A	1.1
4	<input type="checkbox"/>	12500.000	14472.065	4326277.92	0.9214	A	1.2
5	<input type="checkbox"/>	25000.000	27715.514	8165016.36	1.7628	A	1.4
6	<input type="checkbox"/>	50000.000	54403.023	16184844.32	3.4584	A	0.7
7	<input type="checkbox"/>	100000.00	108923.27	32783892.48	6.9223	A	2.2
8	<input type="checkbox"/>	500000.00	497585.42	141865082.1	31.6159	A	3.3

$$y = 6.3535\text{E-}005 * x + 0.0019$$

$$R = 0.9998$$

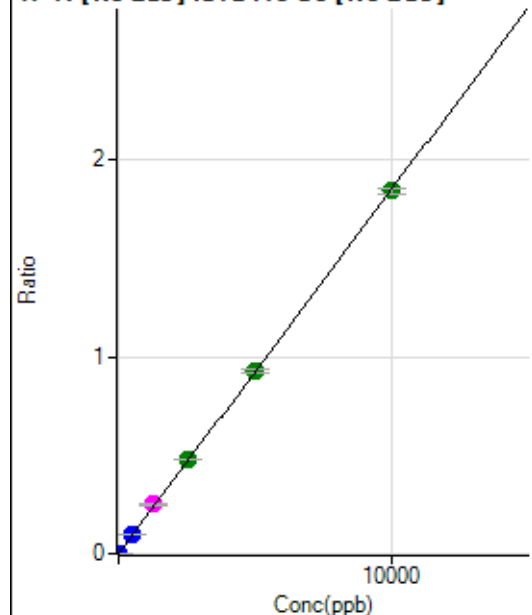
$$DL = 0.7151$$

$$BEC = 29.96$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	241.67	0.0001	P	18.6
2	<input type="checkbox"/>	5.000	5.190	4867.63	0.0010	P	4.9
3	<input type="checkbox"/>	500.000	514.142	453795.84	0.0951	P	0.8
4	<input type="checkbox"/>	1250.000	1346.912	1169061.79	0.2490	M	1.8
5	<input type="checkbox"/>	2500.000	2591.682	2218529.45	0.4791	A	1.6
6	<input type="checkbox"/>	5000.000	5003.113	4326722.92	0.9247	A	2.6
7	<input type="checkbox"/>	10000.000	9962.702	8720538.30	1.8414	A	1.3
8	<input type="checkbox"/>			7908.00	0.0018	P	10.8

$$y = 1.8482\text{E-}004 * x + 5.0332\text{E-}005$$

$$R = 0.9999$$

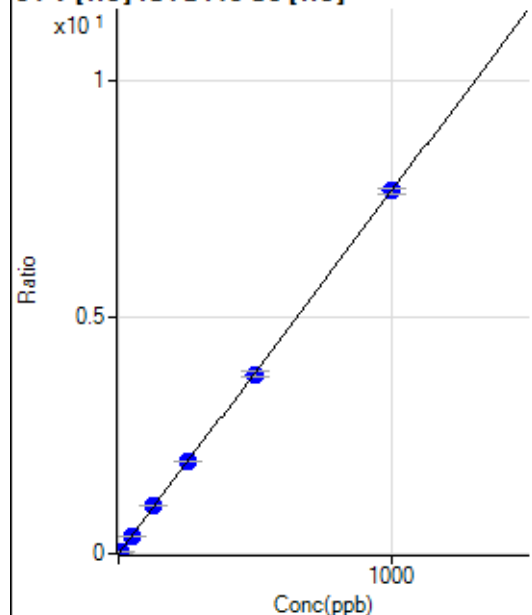
$$DL = 0.1516$$

$$BEC = 0.2723$$

Weight: &lt;None&gt;

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	3.33	0.0000	P	100.7
2	<input type="checkbox"/>	5.000	4.661	5436.64	0.0358	P	4.9
3	<input type="checkbox"/>	50.000	49.652	57063.27	0.3810	P	1.1
4	<input type="checkbox"/>	125.000	132.188	147797.79	1.0144	P	1.6
5	<input type="checkbox"/>	250.000	254.850	287536.94	1.9557	P	1.1
6	<input type="checkbox"/>	500.000	495.413	557218.98	3.8018	P	2.9
7	<input type="checkbox"/>	1000.000	1000.202	1144337.66	7.6755	P	1.9
8	<input type="checkbox"/>			2141.30	0.0151	P	13.0

$$y = 0.0077 * x + 2.2237\text{E-}005$$

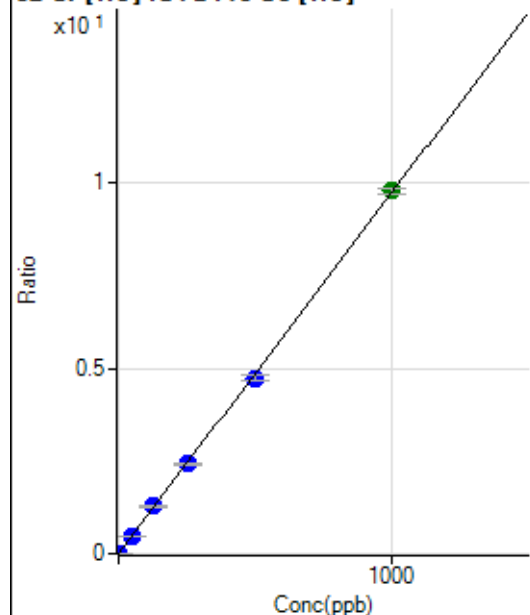
$$R = 0.9999$$

$$DL = 0.008758$$

$$BEC = 0.002898$$

Weight: &lt;None&gt;

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	462.24	0.0031	P	4.4
2	<input type="checkbox"/>	2.000	1.887	3258.18	0.0215	P	8.1
3	<input type="checkbox"/>	50.000	49.213	72232.72	0.4823	P	0.7
4	<input type="checkbox"/>	125.000	131.234	186651.19	1.2811	P	1.8
5	<input type="checkbox"/>	250.000	249.647	357888.97	2.4343	P	2.0
6	<input type="checkbox"/>	500.000	487.372	696124.64	4.7494	P	3.1
7	<input type="checkbox"/>	1000.000	1005.663	1460635.71	9.7968	A	1.4
8	<input type="checkbox"/>			11910.61	0.0839	P	1.1

$$y = 0.0097 * x + 0.0031$$

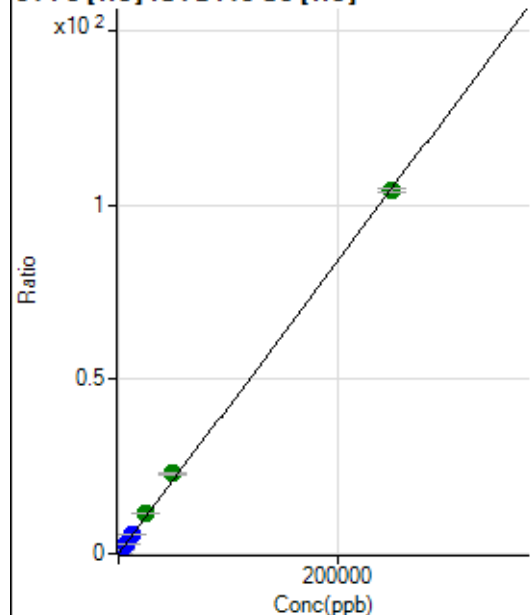
$$R = 0.9999$$

$$DL = 0.0415$$

$$BEC = 0.3152$$

Weight: &lt;None&gt;

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	501.87	0.0033	P	2.4
2	<input type="checkbox"/>	50.000	53.296	3896.89	0.0257	P	10.3
3	<input type="checkbox"/>	2500.000	2689.831	169195.89	1.1299	P	1.4
4	<input type="checkbox"/>	6250.000	7117.606	434797.89	2.9843	P	2.6
5	<input type="checkbox"/>	12500.000	13600.116	837955.34	5.6993	P	1.7
6	<input type="checkbox"/>	25000.000	27597.942	1694807.58	11.5619	A	1.5
7	<input type="checkbox"/>	50000.000	54951.518	3431649.04	23.0181	A	2.6
8	<input type="checkbox"/>	250000.00	248671.30	14776477.18	104.1516	A	1.2

$$y = 4.1882E-004 * x + 0.0033$$

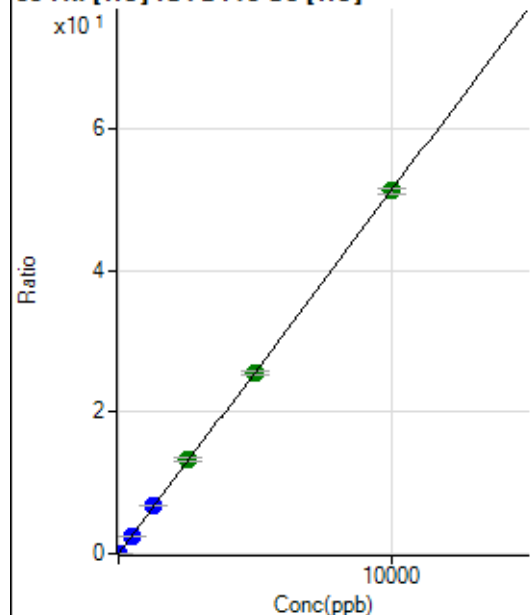
$$R = 0.9998$$

$$DL = 0.5626$$

$$BEC = 7.958$$

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	32.22	0.0002	P	26.7
2	<input type="checkbox"/>	1.000	1.006	816.70	0.0054	P	3.5
3	<input type="checkbox"/>	500.000	496.171	381339.85	2.5468	P	2.0
4	<input type="checkbox"/>	1250.000	1324.993	990812.05	6.8007	P	2.5
5	<input type="checkbox"/>	2500.000	2589.392	1954115.98	13.2901	A	2.7
6	<input type="checkbox"/>	5000.000	4969.298	3738728.97	25.5049	A	2.8
7	<input type="checkbox"/>	10000.000	9983.820	7639626.83	51.2417	A	1.9
8	<input type="checkbox"/>			8909.67	0.0628	P	11.1

$$y = 0.0051 * x + 2.1423E-004$$

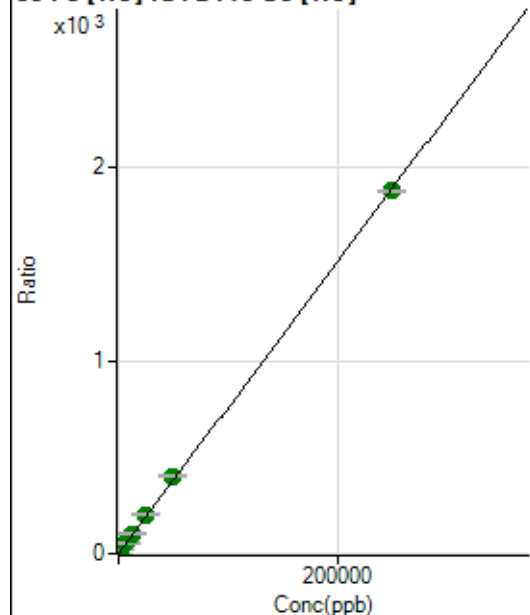
$$R = 0.9999$$

$$DL = 0.0334$$

$$BEC = 0.04174$$

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	2672.51	0.0177	P	3.8
2	<input type="checkbox"/>	50.000	49.999	59959.76	0.3948	P	2.8
3	<input type="checkbox"/>	2500.000	2730.664	3085858.95	20.6084	A	2.0
4	<input type="checkbox"/>	6250.000	7295.221	8016842.14	55.0275	A	3.2
5	<input type="checkbox"/>	12500.000	13808.709	15310629.16	104.1425	A	2.4
6	<input type="checkbox"/>	25000.000	26943.183	29783743.03	203.1833	A	2.3
7	<input type="checkbox"/>	50000.000	53220.794	59830540.22	401.3300	A	3.5
8	<input type="checkbox"/>	250000.00	249067.65	266464572.6	1,878.116	A	0.9

$$y = 0.0075 * x + 0.0177$$

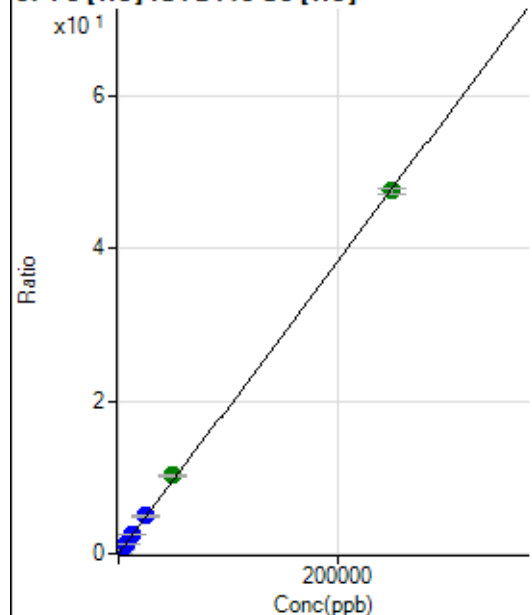
$$R = 0.9999$$

$$DL = 0.2708$$

$$BEC = 2.354$$

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	164.82	0.0011	P	16.0
2	<input type="checkbox"/>	50.000	49.459	1601.97	0.0105	P	1.5
3	<input type="checkbox"/>	2500.000	2611.746	74912.97	0.5003	P	1.1
4	<input type="checkbox"/>	6250.000	6985.078	194663.52	1.3361	P	1.8
5	<input type="checkbox"/>	12500.000	13317.778	374388.46	2.5464	P	1.6
6	<input type="checkbox"/>	25000.000	26021.865	729161.97	4.9744	P	2.6
7	<input type="checkbox"/>	50000.000	53733.193	1531231.06	10.2706	A	2.1
8	<input type="checkbox"/>	250000.00	249090.79	6754701.94	47.6074	A	1.2

$$y = 1.9112\text{E-}004 * x + 0.0011$$

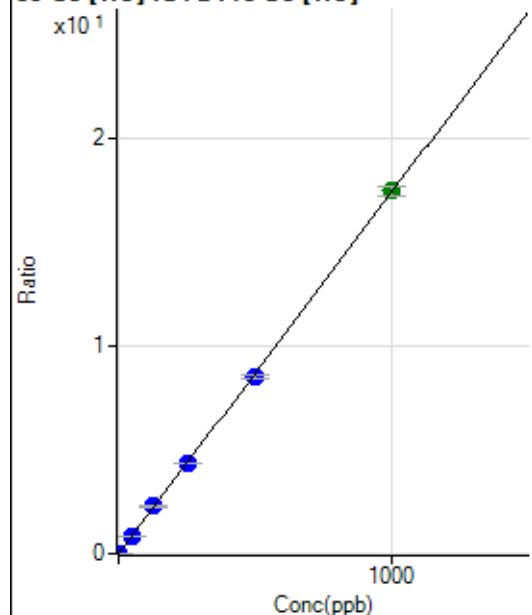
R = 0.9999

DL = 2.747

BEC = 5.729

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	71.11	0.0005	P	14.9
2	<input type="checkbox"/>	1.000	0.963	2615.82	0.0172	P	5.5
3	<input type="checkbox"/>	50.000	49.069	127887.63	0.8540	P	0.3
4	<input type="checkbox"/>	125.000	130.855	331690.37	2.2766	P	1.9
5	<input type="checkbox"/>	250.000	250.239	640009.87	4.3532	P	1.8
6	<input type="checkbox"/>	500.000	490.084	1249671.53	8.5252	P	2.1
7	<input type="checkbox"/>	1000.000	1004.213	2604296.21	17.4681	A	2.7
8	<input type="checkbox"/>			2674.75	0.0188	P	15.5

$$y = 0.0174 * x + 4.7259\text{E-}004$$

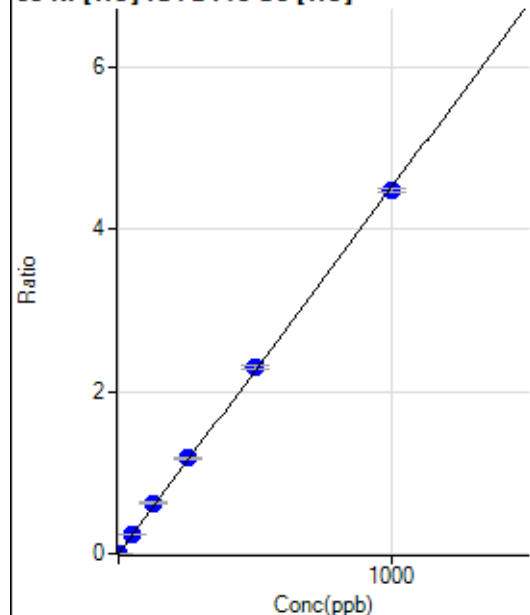
R = 0.9999

DL = 0.01211

BEC = 0.02717

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	21.11	0.0001	P	50.6
2	<input type="checkbox"/>	1.000	1.012	714.47	0.0047	P	6.8
3	<input type="checkbox"/>	50.000	52.573	35540.00	0.2374	P	1.7
4	<input type="checkbox"/>	125.000	136.964	90054.87	0.6181	P	3.2
5	<input type="checkbox"/>	250.000	261.507	173495.31	1.1801	P	1.9
6	<input type="checkbox"/>	500.000	509.938	337321.74	2.3010	P	1.8
7	<input type="checkbox"/>	1000.000	990.530	666380.29	4.4695	P	1.2
8	<input type="checkbox"/>			2009.06	0.0142	P	7.5

$$y = 0.0045 * x + 1.4024E-004$$

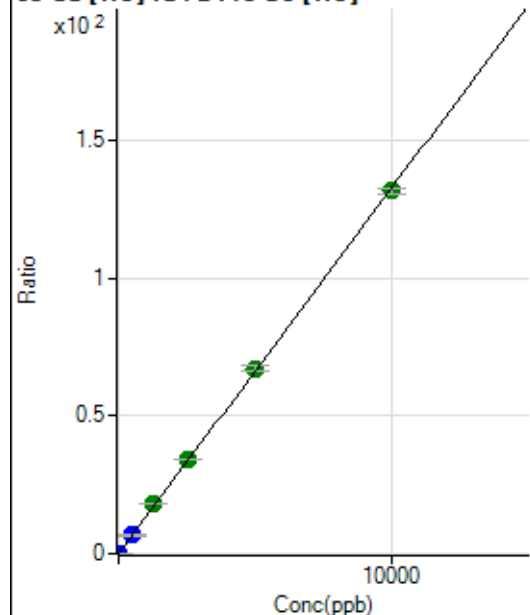
$$R = 0.9998$$

$$DL = 0.04722$$

$$BEC = 0.03108$$

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	438.90	0.0029	P	12.3
2	<input type="checkbox"/>	2.000	1.907	4279.57	0.0282	P	3.5
3	<input type="checkbox"/>	500.000	502.807	997965.07	6.6650	P	1.5
4	<input type="checkbox"/>	1250.000	1373.300	2651402.15	18.1988	A	2.7
5	<input type="checkbox"/>	2500.000	2579.052	5024806.83	34.1747	A	1.2
6	<input type="checkbox"/>	5000.000	5070.743	9848068.67	67.1890	A	3.6
7	<input type="checkbox"/>	10000.000	9929.313	19615306.10	131.5638	A	1.5
8	<input type="checkbox"/>			9740.93	0.0686	P	32.8

$$y = 0.0132 * x + 0.0029$$

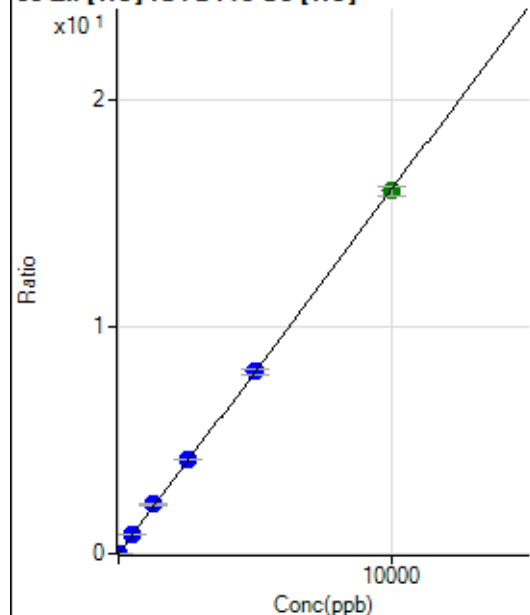
$$R = 0.9999$$

$$DL = 0.08108$$

$$BEC = 0.2199$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>66</sup>Zn [He] ISTD: <sup>45</sup>Sc [He]**

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	186.67	0.0012	P	3.1
2	<input type="checkbox"/>	2.000	2.289	745.58	0.0049	P	1.3
3	<input type="checkbox"/>	500.000	517.754	124448.99	0.8311	P	1.4
4	<input type="checkbox"/>	1250.000	1354.880	316583.92	2.1729	P	2.1
5	<input type="checkbox"/>	2500.000	2591.658	610924.92	4.1554	P	1.7
6	<input type="checkbox"/>	5000.000	4993.674	1173414.66	8.0055	P	2.2
7	<input type="checkbox"/>	10000.000	9966.251	2381835.73	15.9759	A	2.7
8	<input type="checkbox"/>			2512.49	0.0177	P	15.8

$$y = 0.0016 * x + 0.0012$$

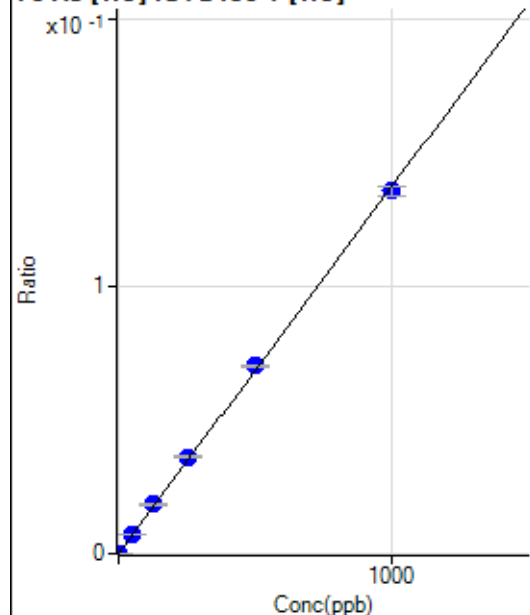
$$R = 0.9999$$

$$DL = 0.071$$

$$BEC = 0.7735$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>75</sup>As [He] ISTD: <sup>89</sup>Y [He]**

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	5.00	0.0000	P	54.4
2	<input type="checkbox"/>	1.000	1.094	166.35	0.0002	P	9.0
3	<input type="checkbox"/>	50.000	50.951	7403.35	0.0070	P	4.2
4	<input type="checkbox"/>	125.000	134.576	19119.15	0.0185	P	3.1
5	<input type="checkbox"/>	250.000	263.905	37387.97	0.0363	P	3.0
6	<input type="checkbox"/>	500.000	511.989	72854.35	0.0703	P	1.3
7	<input type="checkbox"/>	1000.000	989.285	144893.26	0.1359	P	2.3
8	<input type="checkbox"/>			154.02	0.0002	P	14.7

$$y = 1.3736E-004 * x + 4.6836E-006$$

$$R = 0.9998$$

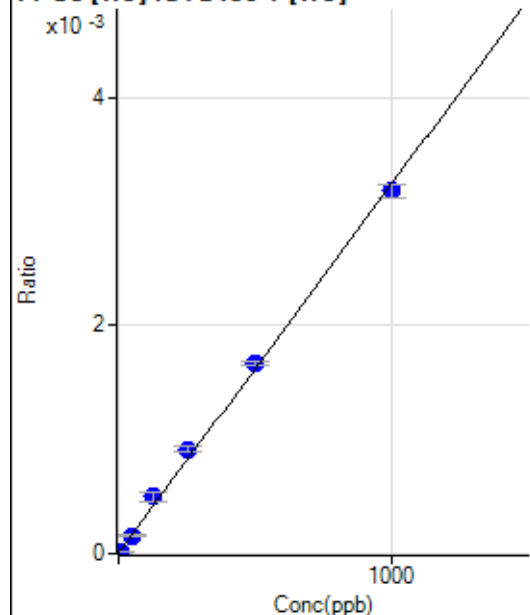
$$DL = 0.0556$$

$$BEC = 0.0341$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	5.55	0.0000	P	124.6
2	<input type="checkbox"/>	5.000	3.501	17.78	0.0000	P	38.7
3	<input type="checkbox"/>	50.000	47.418	167.78	0.0002	P	16.6
4	<input type="checkbox"/>	125.000	152.152	514.46	0.0005	P	16.2
5	<input type="checkbox"/>	250.000	280.719	942.26	0.0009	P	5.9
6	<input type="checkbox"/>	500.000	515.047	1732.35	0.0017	P	2.5
7	<input type="checkbox"/>	1000.000	981.539	3392.66	0.0032	P	4.1
8	<input type="checkbox"/>			4.44	0.0000	P	43.5

$$y = 3.2368\text{E-}006 * x + 5.2078\text{E-}006$$

$$R = 0.9989$$

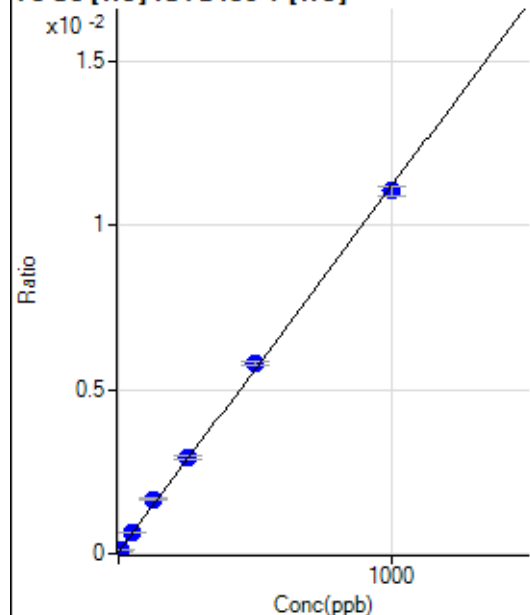
$$DL = 6.012$$

$$BEC = 1.609$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	58.34	0.0001	P	3.0
2	<input type="checkbox"/>	5.000	6.275	133.35	0.0001	P	5.0
3	<input type="checkbox"/>	50.000	52.349	673.42	0.0006	P	3.6
4	<input type="checkbox"/>	125.000	143.394	1706.61	0.0017	P	4.1
5	<input type="checkbox"/>	250.000	256.975	3005.63	0.0029	P	3.1
6	<input type="checkbox"/>	500.000	517.282	6020.90	0.0058	P	2.1
7	<input type="checkbox"/>	1000.000	987.192	11773.10	0.0110	P	2.7
8	<input type="checkbox"/>			83.34	0.0001	P	21.6

$$y = 1.1130\text{E-}005 * x + 5.4353\text{E-}005$$

$$R = 0.9996$$

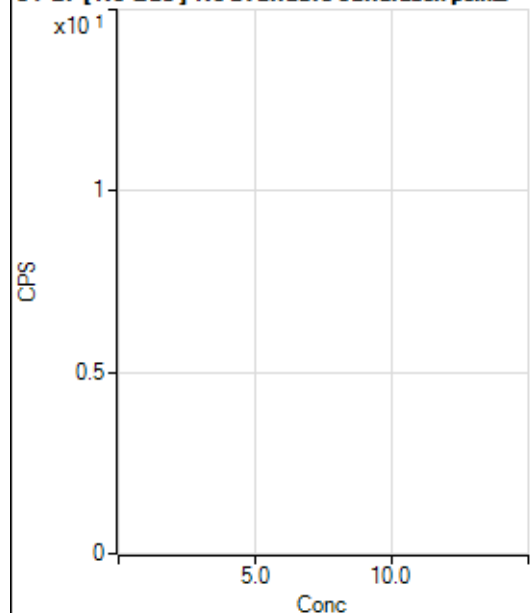
$$DL = 0.4407$$

$$BEC = 4.884$$

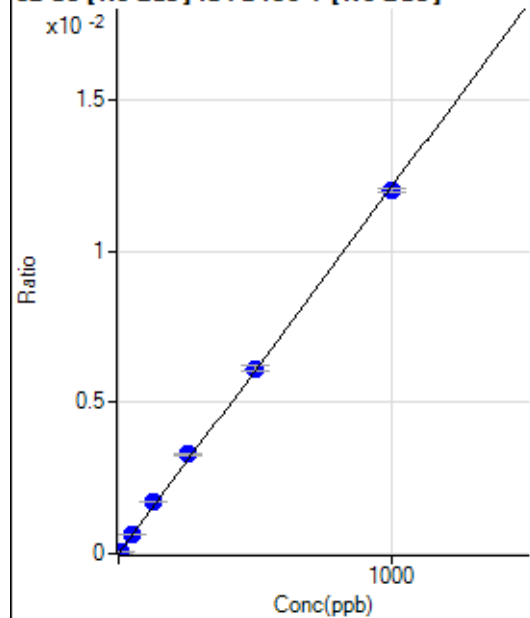
Weight: &lt;None&gt;

Min Conc: 0



**81 Br [ No Gas ] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			38951.20		P	3.3
2	<input type="checkbox"/>			38787.32		P	2.3
3	<input type="checkbox"/>			38476.09		P	4.3
4	<input type="checkbox"/>			38255.21		P	1.8
5	<input type="checkbox"/>			37626.30		P	0.3
6	<input type="checkbox"/>			36619.14		P	1.2
7	<input type="checkbox"/>			36662.74		P	2.7
8	<input type="checkbox"/>			36889.83		P	2.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	1.67	0.0000	P	4519.
2	<input type="checkbox"/>	5.000	5.376	617.04	0.0001	P	5.5
3	<input type="checkbox"/>	50.000	53.238	6119.08	0.0006	P	4.0
4	<input type="checkbox"/>	125.000	141.506	15761.86	0.0017	P	0.9
5	<input type="checkbox"/>	250.000	270.624	30299.96	0.0033	P	2.1
6	<input type="checkbox"/>	500.000	506.012	58634.46	0.0061	P	3.2
7	<input type="checkbox"/>	1000.000	989.611	115341.20	0.0120	P	1.0
8	<input type="checkbox"/>			381.22	0.0000	P	4.8

$$y = 1.2131E-005 * x + 1.1000E-007$$

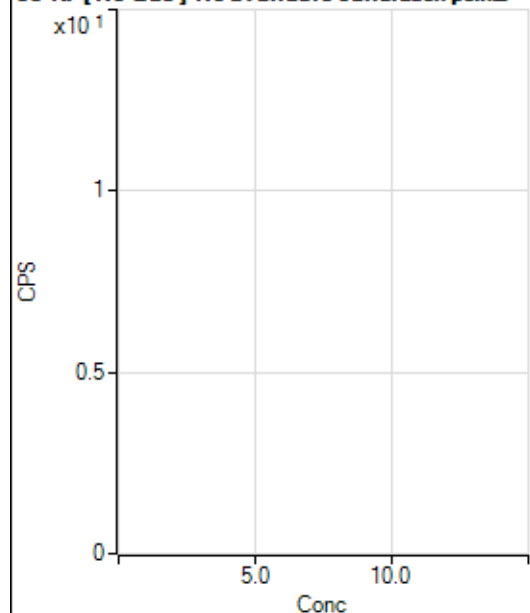
$$R = 0.9997$$

$$DL = 1.23$$

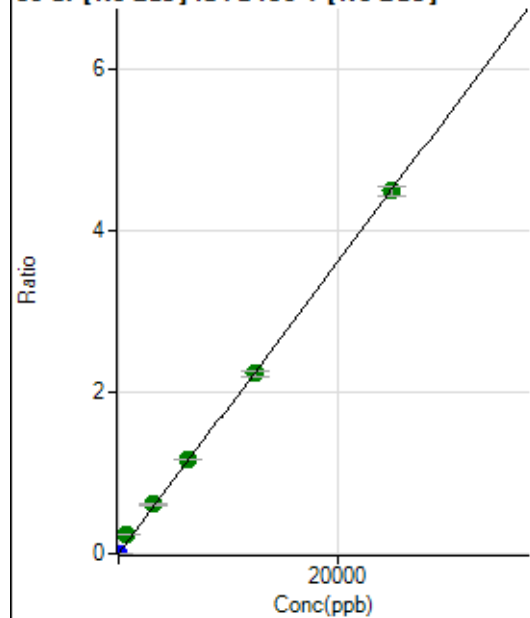
$$BEC = 0.009068$$

Weight: &lt;None&gt;

Min Conc: 0

**83 Kr [ No Gas ] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			389.13		P	8.4
2	<input type="checkbox"/>			375.79		P	2.8
3	<input type="checkbox"/>			370.38		P	2.7
4	<input type="checkbox"/>			373.29		P	1.1
5	<input type="checkbox"/>			364.13		P	4.2
6	<input type="checkbox"/>			376.63		P	7.3
7	<input type="checkbox"/>			389.13		P	1.0
8	<input type="checkbox"/>			371.63		P	4.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	644.48	0.0001	P	3.3
2	<input type="checkbox"/>	1.000	0.929	2208.56	0.0002	P	2.7
3	<input type="checkbox"/>	625.000	1266.414	2162667.60	0.2283	A	1.0
4	<input type="checkbox"/>	3125.000	3383.736	5601236.67	0.6100	A	2.1
5	<input type="checkbox"/>	6250.000	6509.321	10830138.09	1.1734	A	1.0
6	<input type="checkbox"/>	12500.000	12382.513	21318952.39	2.2321	A	3.8
7	<input type="checkbox"/>	25000.000	24945.536	43199714.16	4.4967	A	2.7
8	<input type="checkbox"/>			18986.46	0.0021	P	17.9

$$y = 1.8026E-004 * x + 6.6398E-005$$

$$R = 0.9997$$

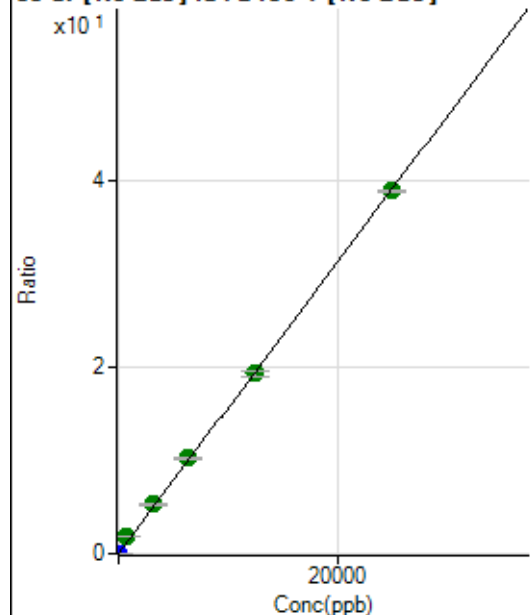
$$DL = 0.03593$$

$$BEC = 0.3684$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	94.45	0.0000	P	32.5
2	<input type="checkbox"/>	1.000	0.995	14730.41	0.0016	P	4.9
3	<input type="checkbox"/>	625.000	1240.577	18302949.19	1.9325	A	1.1
4	<input type="checkbox"/>	3125.000	3411.698	48799667.06	5.3145	A	3.3
5	<input type="checkbox"/>	6250.000	6571.653	94477774.33	10.2368	A	0.9
6	<input type="checkbox"/>	12500.000	12371.015	184063827.7	19.2706	A	3.5
7	<input type="checkbox"/>	25000.000	24932.853	373177833.3	38.8384	A	0.8
8	<input type="checkbox"/>			164496.87	0.0183	P	20.3

$$y = 0.0016 * x + 9.7708E-006$$

$$R = 0.9997$$

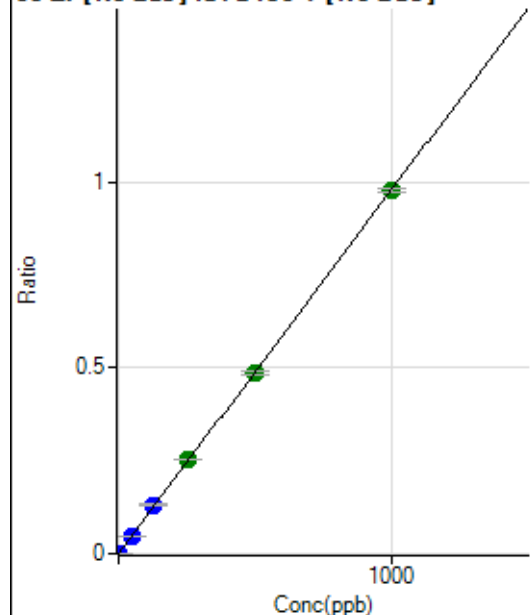
$$DL = 0.00611$$

$$BEC = 0.006272$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	311.13	0.0000	P	15.8
2	<input type="checkbox"/>	1.000	0.956	9139.34	0.0010	P	1.4
3	<input type="checkbox"/>	50.000	49.722	461011.75	0.0487	P	1.0
4	<input type="checkbox"/>	125.000	134.311	1206708.06	0.1314	P	0.7
5	<input type="checkbox"/>	250.000	259.965	2347596.51	0.2543	A	0.5
6	<input type="checkbox"/>	500.000	498.380	4658407.83	0.4876	A	1.8
7	<input type="checkbox"/>	1000.000	997.169	9372943.70	0.9755	A	0.9
8	<input type="checkbox"/>			3753.43	0.0004	P	18.1

$$y = 9.7826E-004 * x + 3.2003E-005$$

$$R = 0.9999$$

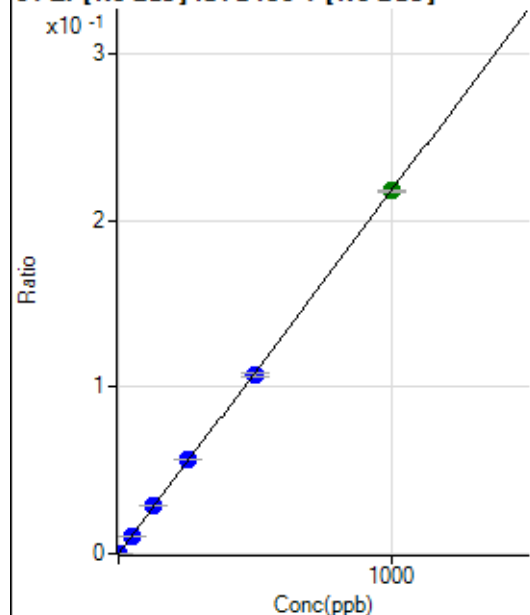
$$DL = 0.01548$$

$$BEC = 0.03271$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	66.67	0.0000	P	34.4
2	<input type="checkbox"/>	1.000	0.929	1975.19	0.0002	P	5.7
3	<input type="checkbox"/>	50.000	49.006	101125.57	0.0107	P	1.3
4	<input type="checkbox"/>	125.000	133.727	267414.30	0.0291	P	0.5
5	<input type="checkbox"/>	250.000	260.597	523778.76	0.0567	P	0.4
6	<input type="checkbox"/>	500.000	493.865	1027320.11	0.1075	P	2.6
7	<input type="checkbox"/>	1000.000	999.377	2090885.11	0.2176	A	0.5
8	<input type="checkbox"/>			902.83	0.0001	P	15.2

$$y = 2.1774\text{E-}004 * x + 6.9014\text{E-}006$$

$$R = 0.9999$$

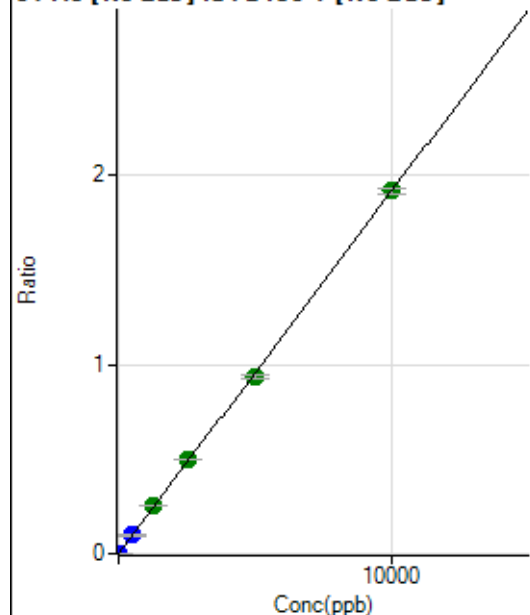
$$DL = 0.03274$$

$$BEC = 0.0317$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	136.12	0.0000	P	13.6
2	<input type="checkbox"/>	5.000	5.874	10757.23	0.0011	P	3.1
3	<input type="checkbox"/>	500.000	504.992	916537.65	0.0968	P	0.8
4	<input type="checkbox"/>	1250.000	1320.671	2323573.34	0.2531	A	0.4
5	<input type="checkbox"/>	2500.000	2608.103	4612662.82	0.4997	A	1.1
6	<input type="checkbox"/>	5000.000	4902.741	8974921.99	0.9394	A	2.1
7	<input type="checkbox"/>	10000.000	10012.520	18434747.98	1.9185	A	1.4
8	<input type="checkbox"/>			9156.16	0.0010	P	12.4

$$y = 1.9161\text{E-}004 * x + 1.4008\text{E-}005$$

$$R = 0.9998$$

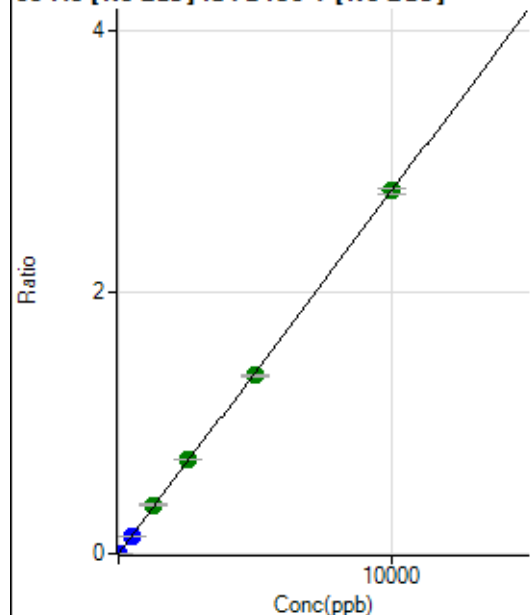
$$DL = 0.02993$$

$$BEC = 0.07311$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	33.33	0.0000	P	41.1
2	<input type="checkbox"/>	5.000	4.985	13098.17	0.0014	P	1.2
3	<input type="checkbox"/>	500.000	497.623	1308249.67	0.1381	P	0.1
4	<input type="checkbox"/>	1250.000	1344.808	3427327.07	0.3733	A	1.7
5	<input type="checkbox"/>	2500.000	2599.995	6661203.23	0.7217	A	1.3
6	<input type="checkbox"/>	5000.000	4924.546	13061629.29	1.3669	A	1.1
7	<input type="checkbox"/>	10000.000	10000.996	26671771.26	2.7760	A	1.3
8	<input type="checkbox"/>			13359.86	0.0015	P	15.0

$$y = 2.7757E-004 * x + 3.4174E-006$$

R = 0.9999

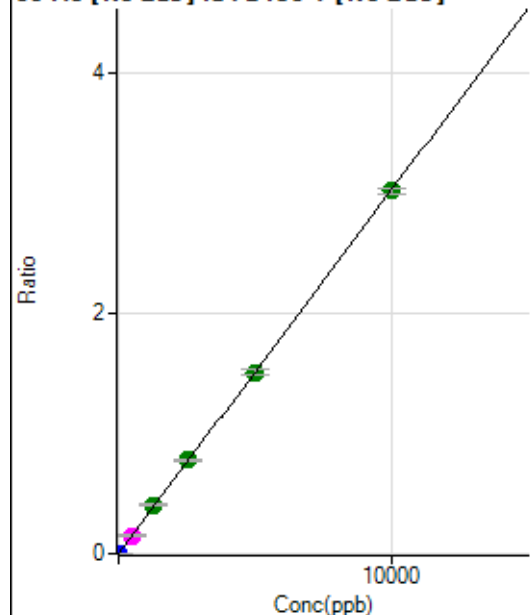
DL = 0.01519

BEC = 0.01231

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	122.22	0.0000	P	17.1
2	<input type="checkbox"/>	5.000	5.172	14880.54	0.0016	P	5.8
3	<input type="checkbox"/>	500.000	499.698	1429990.19	0.1510	M	1.4
4	<input type="checkbox"/>	1250.000	1342.879	3725652.17	0.4058	A	2.3
5	<input type="checkbox"/>	2500.000	2574.229	7178740.79	0.7778	A	1.2
6	<input type="checkbox"/>	5000.000	4990.170	14404473.07	1.5078	A	2.6
7	<input type="checkbox"/>	10000.000	9974.763	28957491.27	3.0139	A	1.7
8	<input type="checkbox"/>			23120.23	0.0026	P	11.1

$$y = 3.0215E-004 * x + 1.2595E-005$$

R = 0.9999

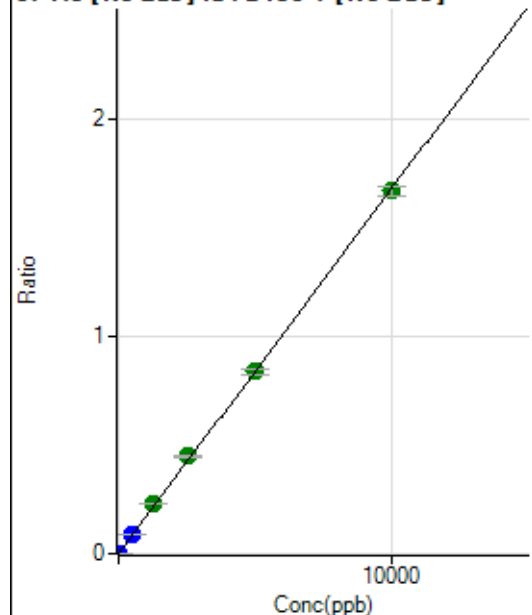
DL = 0.02135

BEC = 0.04168

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	19.45	0.0000	P	26.0
2	<input type="checkbox"/>	5.000	5.243	8341.65	0.0009	P	6.7
3	<input type="checkbox"/>	500.000	508.474	809746.75	0.0855	P	1.0
4	<input type="checkbox"/>	1250.000	1370.424	2115911.57	0.2304	A	1.1
5	<input type="checkbox"/>	2500.000	2667.230	4139352.61	0.4485	A	1.1
6	<input type="checkbox"/>	5000.000	4998.538	8028770.06	0.8405	A	3.2
7	<input type="checkbox"/>	10000.000	9943.447	16064124.15	1.6720	A	2.4
8	<input type="checkbox"/>			8119.43	0.0009	P	20.2

$$y = 1.6815E-004 * x + 2.0085E-006$$

R = 0.9998

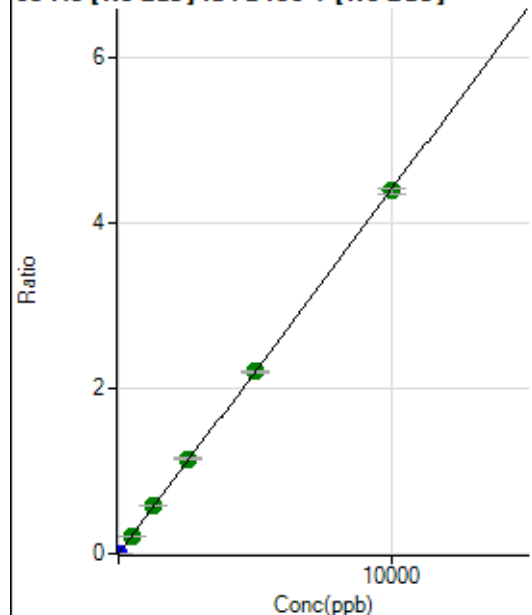
DL = 0.009314

BEC = 0.01194

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	27.78	0.0000	P	46.8
2	<input type="checkbox"/>	5.000	5.036	20982.96	0.0022	P	1.1
3	<input type="checkbox"/>	500.000	498.122	2078877.00	0.2195	A	1.2
4	<input type="checkbox"/>	1250.000	1339.591	5419876.47	0.5903	A	0.6
5	<input type="checkbox"/>	2500.000	2604.946	10593725.24	1.1479	A	2.1
6	<input type="checkbox"/>	5000.000	4999.609	21050642.31	2.2030	A	1.6
7	<input type="checkbox"/>	10000.000	9962.854	42177497.47	4.3900	A	1.7
8	<input type="checkbox"/>			20716.83	0.0023	P	19.0

$$y = 4.4064E-004 * x + 2.8687E-006$$

R = 0.9999

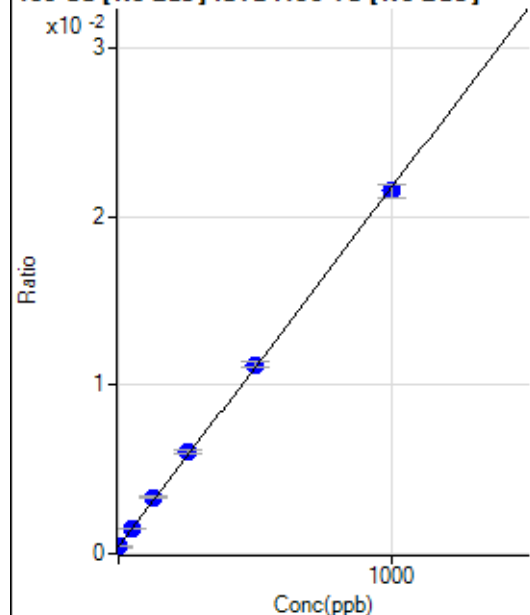
DL = 0.009141

BEC = 0.00651

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	2878.17	0.0004	P	10.4
2	<input type="checkbox"/>	1.000	1.175	3025.41	0.0004	P	5.5
3	<input type="checkbox"/>	50.000	51.382	10329.17	0.0015	P	4.1
4	<input type="checkbox"/>	125.000	138.291	22722.04	0.0034	P	3.6
5	<input type="checkbox"/>	250.000	264.482	42296.07	0.0060	P	3.9
6	<input type="checkbox"/>	500.000	507.199	78770.11	0.0112	P	3.5
7	<input type="checkbox"/>	1000.000	991.049	152106.48	0.0215	P	3.7
8	<input type="checkbox"/>			2680.89	0.0004	P	2.4

$$y = 2.1299\text{E-}005 * x + 4.1133\text{E-}004$$

R = 0.9998

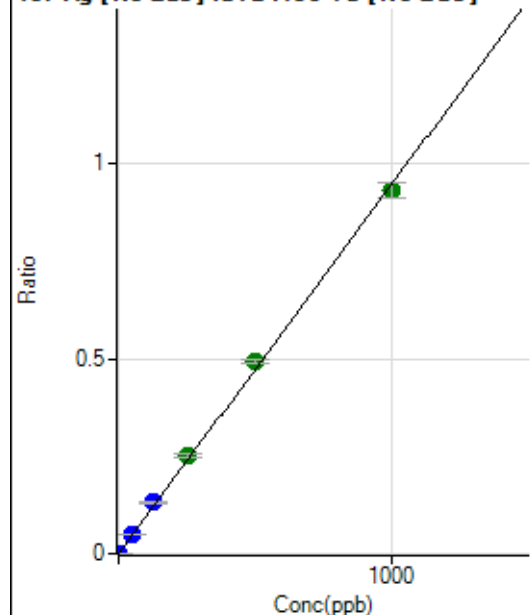
DL = 6.047

BEC = 19.31

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	127.78	0.0000	P	48.4
2	<input type="checkbox"/>	1.000	1.024	6840.75	0.0010	P	6.8
3	<input type="checkbox"/>	50.000	53.084	344455.25	0.0502	P	0.7
4	<input type="checkbox"/>	125.000	139.331	891529.96	0.1317	P	2.2
5	<input type="checkbox"/>	250.000	266.864	1765335.35	0.2523	A	3.8
6	<input type="checkbox"/>	500.000	521.081	3460102.55	0.4925	A	2.1
7	<input type="checkbox"/>	1000.000	983.298	6569071.29	0.9294	A	4.1
8	<input type="checkbox"/>			11530.03	0.0017	P	37.7

$$y = 9.4520\text{E-}004 * x + 1.8227\text{E-}005$$

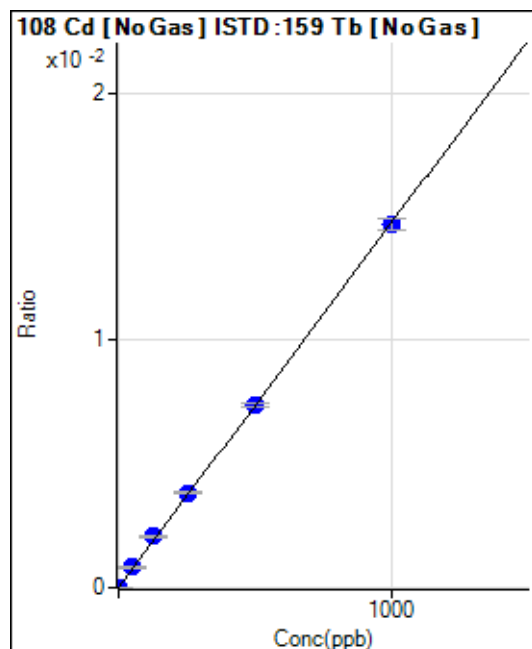
R = 0.9994

DL = 0.028

BEC = 0.01928

Weight: &lt;None&gt;

Min Conc: 0



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	6.94	0.0000	P	91.8
2	<input type="checkbox"/>	1.000	1.089	118.06	0.0000	P	15.1
3	<input type="checkbox"/>	50.000	55.371	5608.17	0.0008	P	2.1
4	<input type="checkbox"/>	125.000	139.887	13962.74	0.0021	P	2.3
5	<input type="checkbox"/>	250.000	260.708	26901.35	0.0038	P	2.8
6	<input type="checkbox"/>	500.000	501.819	51967.00	0.0074	P	2.0
7	<input type="checkbox"/>	1000.000	994.284	103605.46	0.0147	P	3.1
8	<input type="checkbox"/>			80.56	0.0000	P	30.7

$$y = 1.4739\text{E-}005 * x + 9.9096\text{E-}007$$

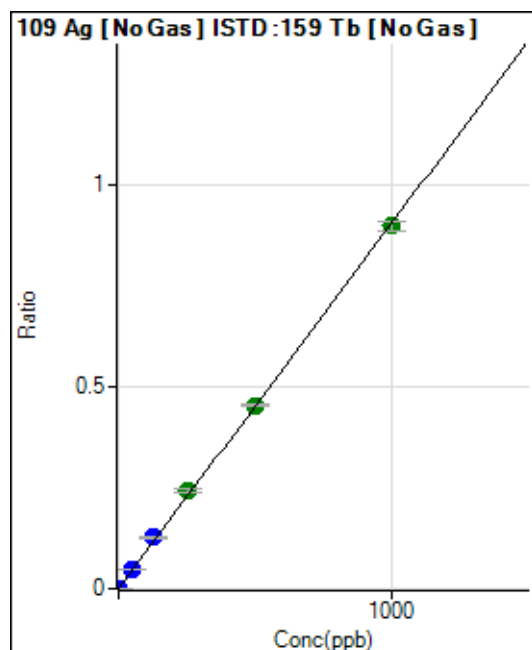
$$R = 0.9999$$

$$DL = 0.1852$$

$$BEC = 0.06723$$

Weight: <None>

Min Conc: 0



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	130.56	0.0000	P	9.3
2	<input type="checkbox"/>	1.000	1.038	6640.66	0.0010	P	6.2
3	<input type="checkbox"/>	50.000	53.097	329979.20	0.0481	P	0.8
4	<input type="checkbox"/>	125.000	139.792	856822.51	0.1266	P	0.9
5	<input type="checkbox"/>	250.000	266.160	1686385.28	0.2410	A	3.8
6	<input type="checkbox"/>	500.000	501.119	3187784.58	0.4537	A	1.3
7	<input type="checkbox"/>	1000.000	993.397	6358353.44	0.8994	A	2.8
8	<input type="checkbox"/>			8836.39	0.0013	P	4.6

$$y = 9.0534\text{E-}004 * x + 1.8647\text{E-}005$$

$$R = 0.9998$$

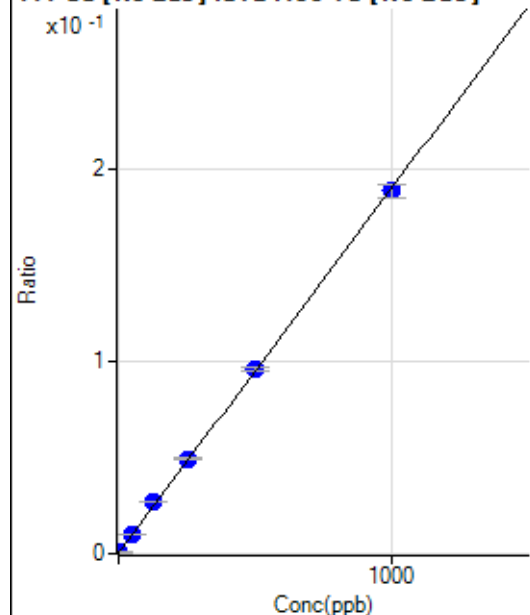
$$DL = 0.00577$$

$$BEC = 0.0206$$

Weight: <None>

Min Conc: 0



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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	2018.19	0.0003	P	10.5
2	<input type="checkbox"/>	1.000	1.126	3478.30	0.0005	P	1.3
3	<input type="checkbox"/>	50.000	52.710	70480.34	0.0103	P	1.8
4	<input type="checkbox"/>	125.000	139.020	180222.56	0.0266	P	0.8
5	<input type="checkbox"/>	250.000	259.470	346054.57	0.0494	P	2.5
6	<input type="checkbox"/>	500.000	504.895	673936.71	0.0959	P	1.6
7	<input type="checkbox"/>	1000.000	993.297	1332063.15	0.1884	P	3.5
8	<input type="checkbox"/>			2400.81	0.0004	P	6.3

$$y = 1.8943\text{E-}004 * x + 2.8842\text{E-}004$$

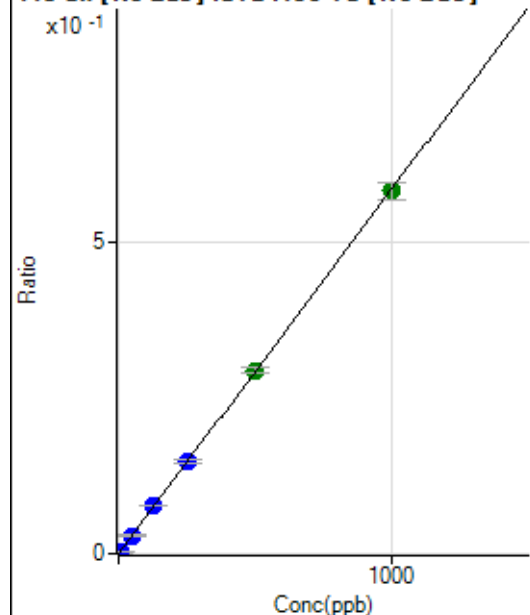
$$R = 0.9999$$

$$DL = 0.4811$$

$$BEC = 1.523$$

Weight: &lt;None&gt;

Min Conc: 0

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

	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	400.01	0.0001	P	9.1
2	<input type="checkbox"/>	5.000	4.929	20346.22	0.0029	P	1.5
3	<input type="checkbox"/>	50.000	49.934	200394.30	0.0292	P	1.9
4	<input type="checkbox"/>	125.000	133.223	526854.50	0.0778	P	1.2
5	<input type="checkbox"/>	250.000	254.832	1041458.17	0.1488	P	4.4
6	<input type="checkbox"/>	500.000	503.717	2066127.39	0.2941	A	2.6
7	<input type="checkbox"/>	1000.000	995.909	4109235.46	0.5815	A	5.0
8	<input type="checkbox"/>			6501.75	0.0010	P	8.5

$$y = 5.8381\text{E-}004 * x + 5.7132\text{E-}005$$

$$R = 0.9999$$

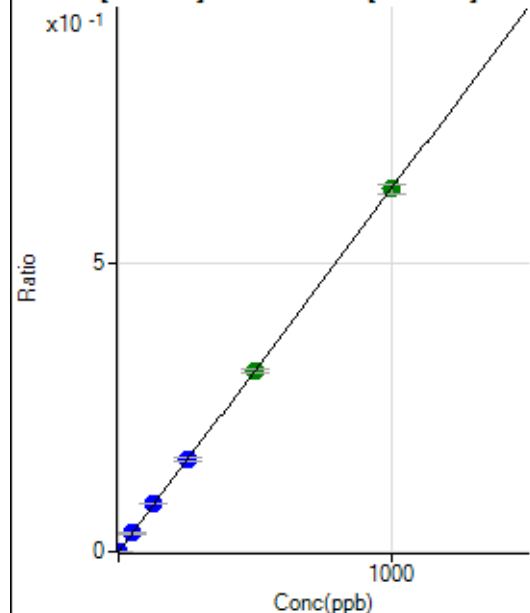
$$DL = 0.02668$$

$$BEC = 0.09786$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	83.34	0.0000	P	19.6
2	<input type="checkbox"/>	2.000	1.932	8505.67	0.0012	P	7.6
3	<input type="checkbox"/>	50.000	50.567	218226.44	0.0318	P	1.1
4	<input type="checkbox"/>	125.000	134.521	572600.78	0.0846	P	0.7
5	<input type="checkbox"/>	250.000	252.037	1109099.04	0.1585	P	3.9
6	<input type="checkbox"/>	500.000	497.589	2197956.11	0.3129	A	1.7
7	<input type="checkbox"/>	1000.000	999.478	4442976.53	0.6284	A	2.3
8	<input type="checkbox"/>			21522.97	0.0032	P	1.2

$$y = 6.2874\text{E-}004 * x + 1.1900\text{E-}005$$

$$R = 0.9999$$

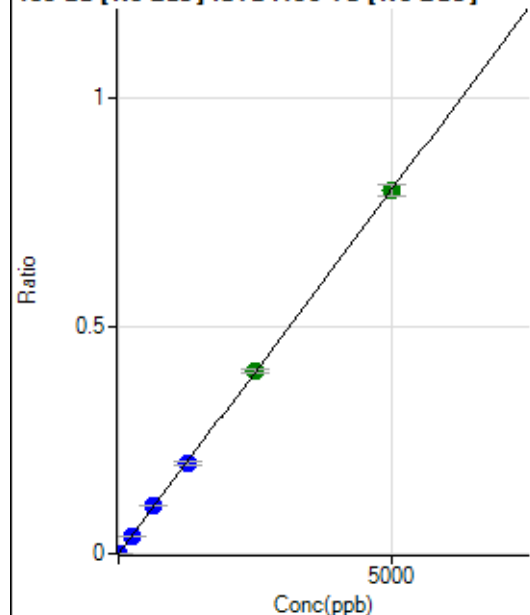
$$DL = 0.01112$$

$$BEC = 0.01893$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	41.67	0.0000	P	39.6
2	<input type="checkbox"/>	10.000	9.269	10304.20	0.0015	P	3.2
3	<input type="checkbox"/>	250.000	248.875	272731.40	0.0397	P	1.0
4	<input type="checkbox"/>	625.000	652.271	705122.31	0.1042	P	0.8
5	<input type="checkbox"/>	1250.000	1245.142	1391685.14	0.1988	P	2.8
6	<input type="checkbox"/>	2500.000	2517.266	2823983.37	0.4020	A	2.2
7	<input type="checkbox"/>	5000.000	4989.231	5632400.73	0.7967	A	3.3
8	<input type="checkbox"/>			7113.16	0.0011	P	10.5

$$y = 1.5969\text{E-}004 * x + 5.9459\text{E-}006$$

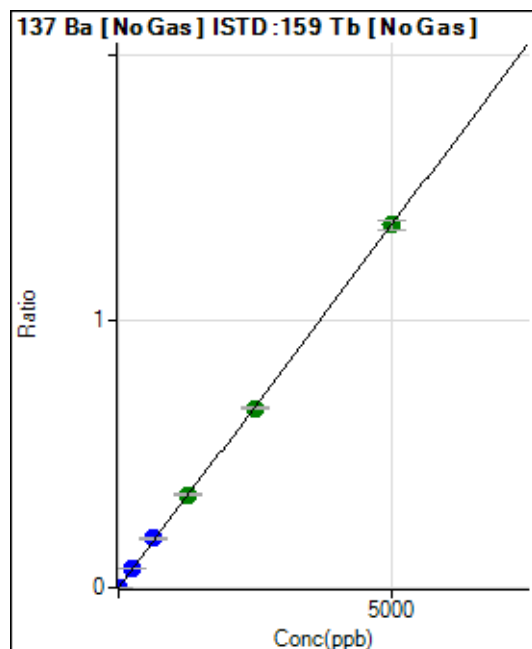
$$R = 1.0000$$

$$DL = 0.04418$$

$$BEC = 0.03723$$

Weight: &lt;None&gt;

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	22.22	0.0000	P	21.4
2	<input type="checkbox"/>	10.000	9.584	18115.44	0.0026	P	0.6
3	<input type="checkbox"/>	250.000	254.040	474740.98	0.0692	P	1.3
4	<input type="checkbox"/>	625.000	676.178	1246510.63	0.1841	P	0.6
5	<input type="checkbox"/>	1250.000	1283.776	2447446.47	0.3496	A	1.7
6	<input type="checkbox"/>	2500.000	2469.681	4725125.37	0.6726	A	1.3
7	<input type="checkbox"/>	5000.000	5000.117	9626200.74	1.3617	A	2.9
8	<input type="checkbox"/>			11791.63	0.0017	P	9.1

$$y = 2.7233E-004 * x + 3.1735E-006$$

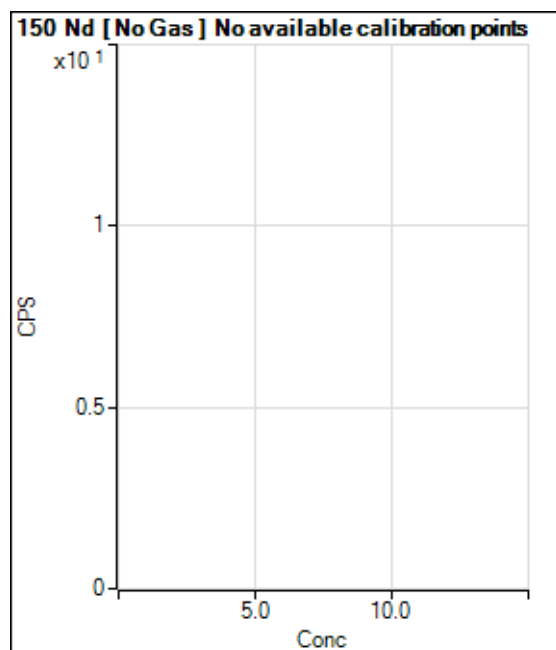
$$R = 0.9999$$

$$DL = 0.007476$$

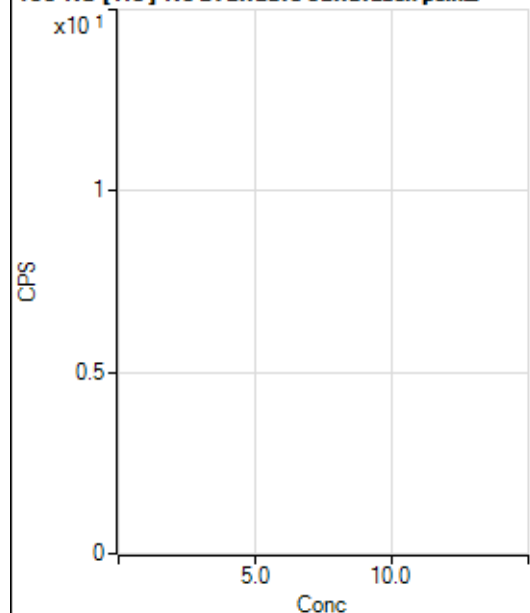
$$BEC = 0.01165$$

Weight: <None>

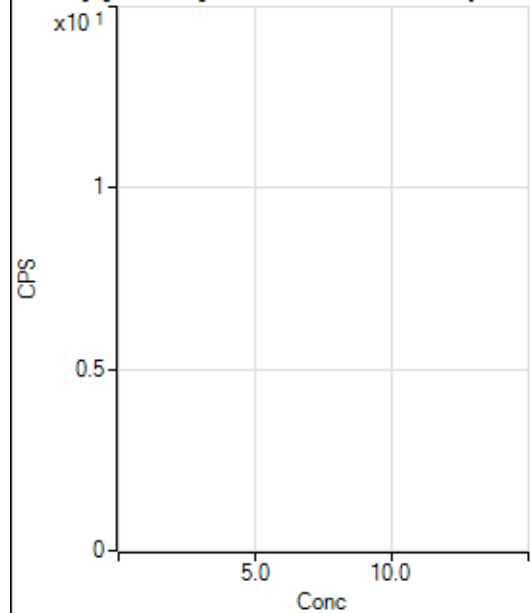
Min Conc: 0



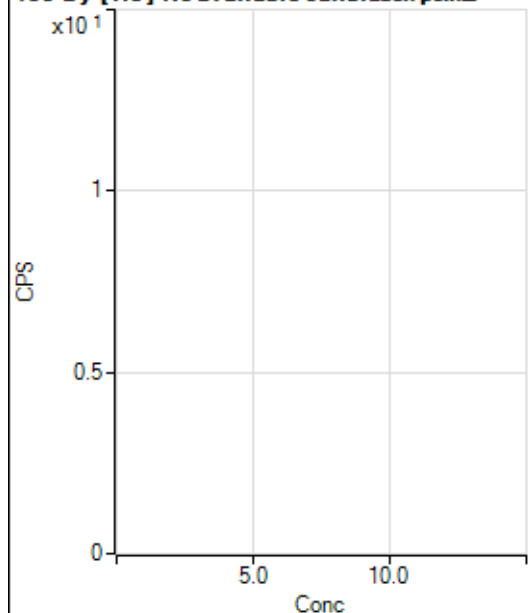
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			2.22		P	173.2
2	<input type="checkbox"/>			8.89		P	43.3
3	<input type="checkbox"/>			37.78		P	71.3
4	<input type="checkbox"/>			66.67		P	40.0
5	<input type="checkbox"/>			133.34		P	13.2
6	<input type="checkbox"/>			280.01		P	12.6
7	<input type="checkbox"/>			435.57		P	9.4
8	<input type="checkbox"/>			33.33		P	52.9

**150 Nd [He] No available calibration points**

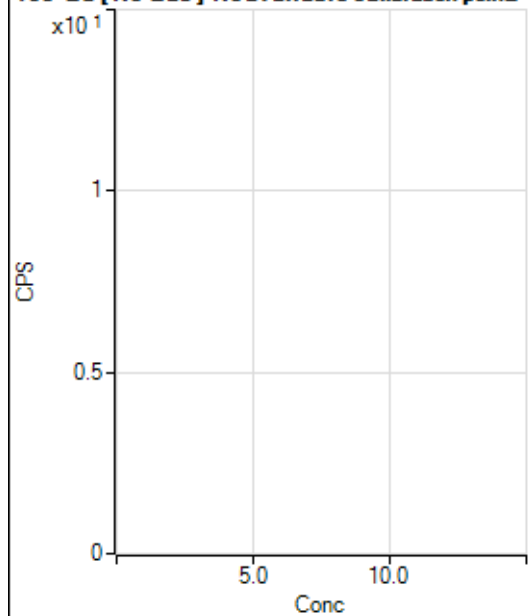
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			1.11		P	173.2
2	<input type="checkbox"/>			0.00		P	
3	<input type="checkbox"/>			4.44		P	173.2
4	<input type="checkbox"/>			6.67		P	50.0
5	<input type="checkbox"/>			15.55		P	44.6
6	<input type="checkbox"/>			10.00		P	33.3
7	<input type="checkbox"/>			26.67		P	57.3
8	<input type="checkbox"/>			6.67		P	50.0

**156 Dy [No Gas] No available calibration points**

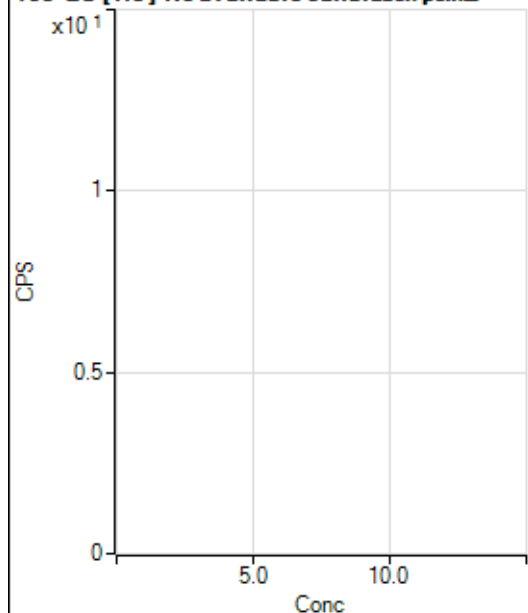
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			16.67		P	50.0
2	<input type="checkbox"/>			13.89		P	91.6
3	<input type="checkbox"/>			16.67		P	86.6
4	<input type="checkbox"/>			47.22		P	27.0
5	<input type="checkbox"/>			136.11		P	31.4
6	<input type="checkbox"/>			136.11		P	35.9
7	<input type="checkbox"/>			313.90		P	4.1
8	<input type="checkbox"/>			1027.84		P	8.2

**156 Dy [He] No available calibration points**

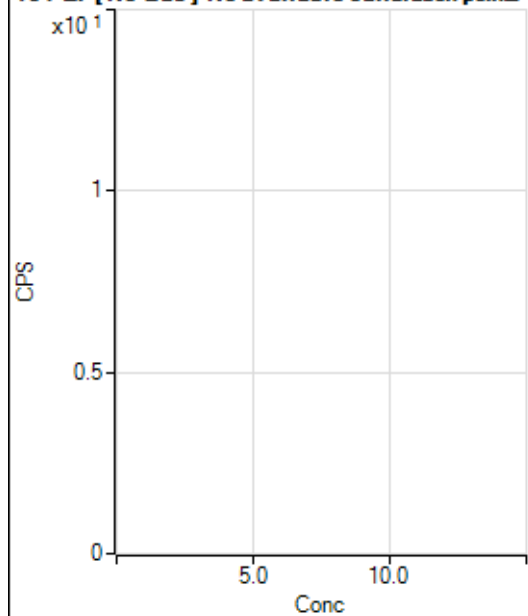
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			1.11		P	173.2
2	<input type="checkbox"/>			1.11		P	173.2
3	<input type="checkbox"/>			14.45		P	26.7
4	<input type="checkbox"/>			12.22		P	41.7
5	<input type="checkbox"/>			32.22		P	6.0
6	<input type="checkbox"/>			71.11		P	22.2
7	<input type="checkbox"/>			151.12		P	4.6
8	<input type="checkbox"/>			403.35		P	8.1

**160 Gd [No Gas] Noavailable calibration poin\_**

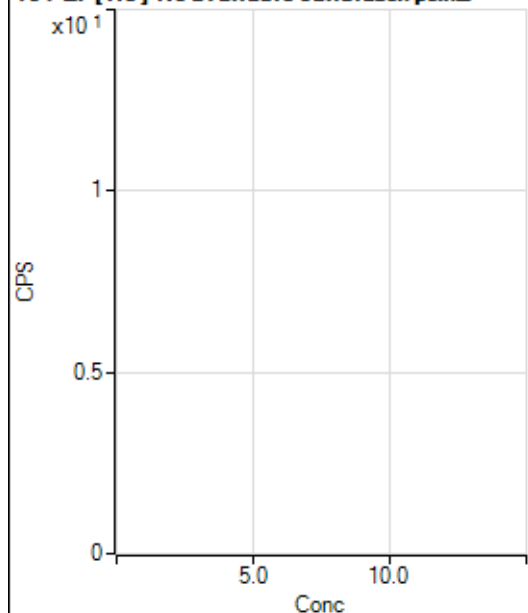
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			38.89		P	12.4
2	<input type="checkbox"/>			50.00		P	44.1
3	<input type="checkbox"/>			58.34		P	28.6
4	<input type="checkbox"/>			80.56		P	11.9
5	<input type="checkbox"/>			63.89		P	15.1
6	<input type="checkbox"/>			163.89		P	2.9
7	<input type="checkbox"/>			308.35		P	19.5
8	<input type="checkbox"/>			1013.96		P	8.6

**160 Gd [He] No available calibration points**

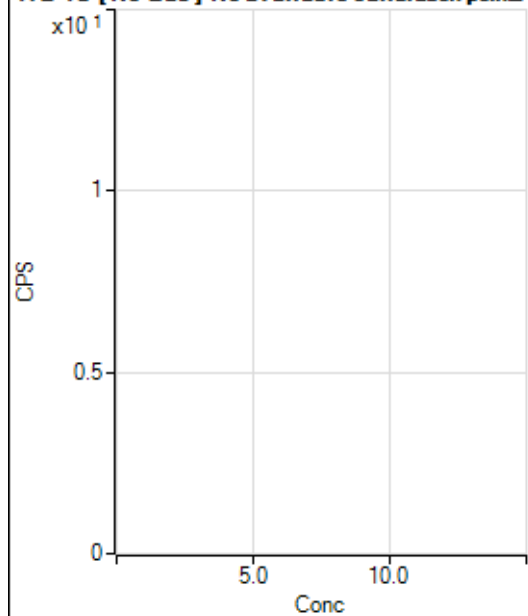
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			78.89		P	19.1
2	<input type="checkbox"/>			101.11		P	10.1
3	<input type="checkbox"/>			74.45		P	14.4
4	<input type="checkbox"/>			94.45		P	11.3
5	<input type="checkbox"/>			101.11		P	14.9
6	<input type="checkbox"/>			166.67		P	14.0
7	<input type="checkbox"/>			211.11		P	7.8
8	<input type="checkbox"/>			583.35		P	6.4

**164 Er [No Gas] No available calibration points**

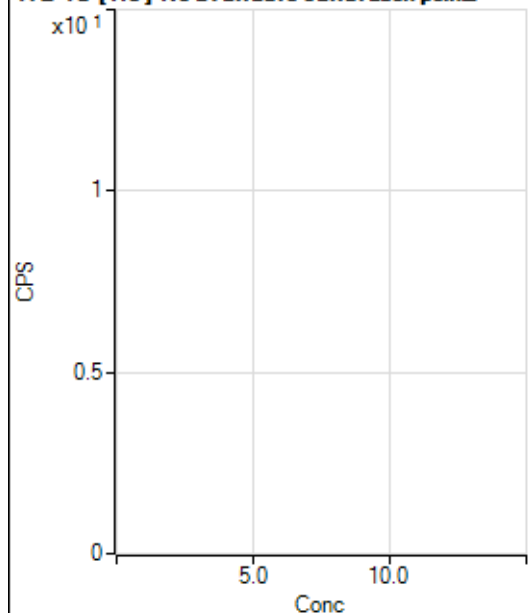
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			72.22		P	33.3
2	<input type="checkbox"/>			58.34		P	57.1
3	<input type="checkbox"/>			61.11		P	15.7
4	<input type="checkbox"/>			38.89		P	68.9
5	<input type="checkbox"/>			69.45		P	6.9
6	<input type="checkbox"/>			63.89		P	30.1
7	<input type="checkbox"/>			77.78		P	34.4
8	<input type="checkbox"/>			108.34		P	20.4

**164 Er [ He ] No available calibration points**

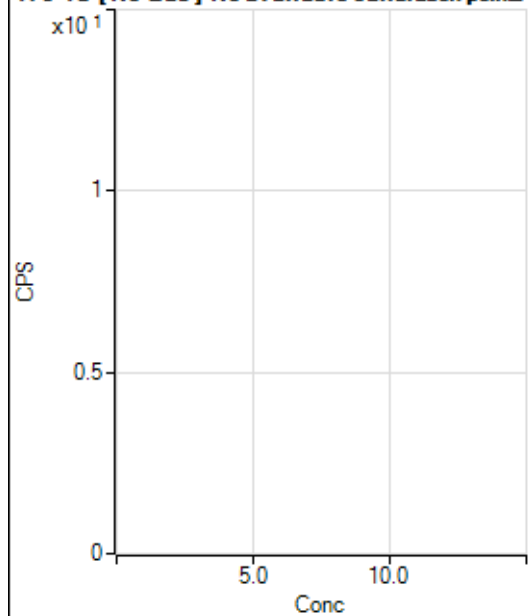
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			20.00		P	16.7
2	<input type="checkbox"/>			23.33		P	14.3
3	<input type="checkbox"/>			28.89		P	43.7
4	<input type="checkbox"/>			30.00		P	29.4
5	<input type="checkbox"/>			23.33		P	24.7
6	<input type="checkbox"/>			28.89		P	46.6
7	<input type="checkbox"/>			25.56		P	19.9
8	<input type="checkbox"/>			47.78		P	44.9

**172 Yb [ No Gas ] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			55.56		P	17.3
2	<input type="checkbox"/>			38.89		P	53.9
3	<input type="checkbox"/>			58.34		P	0.0
4	<input type="checkbox"/>			50.00		P	44.1
5	<input type="checkbox"/>			63.89		P	27.2
6	<input type="checkbox"/>			72.23		P	37.1
7	<input type="checkbox"/>			147.23		P	17.3
8	<input type="checkbox"/>			427.80		P	22.6

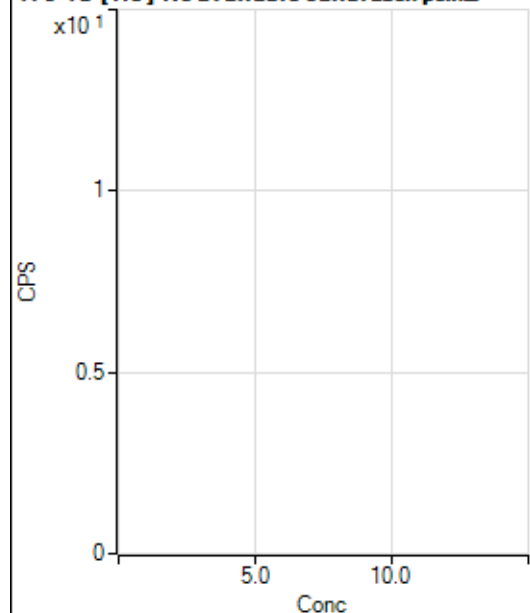
**172 Yb [He] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			18.52		P	45.8
2	<input type="checkbox"/>			20.37		P	15.7
3	<input type="checkbox"/>			20.37		P	31.5
4	<input type="checkbox"/>			18.52		P	45.8
5	<input type="checkbox"/>			51.86		P	12.4
6	<input type="checkbox"/>			24.07		P	13.3
7	<input type="checkbox"/>			61.11		P	15.7
8	<input type="checkbox"/>			200.01		P	8.3

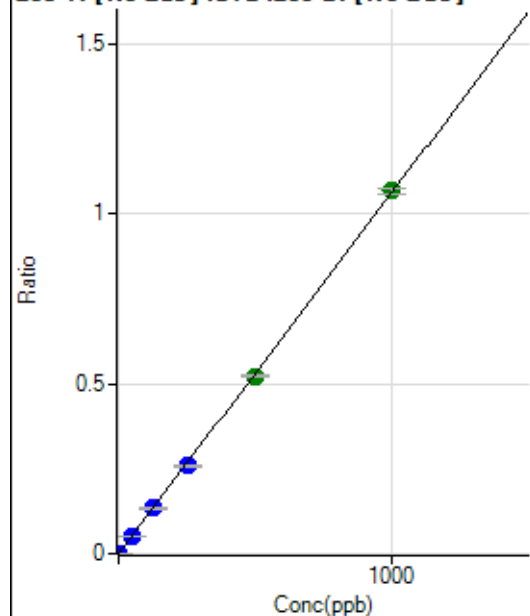
**176 Yb [No Gas] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			944.51		P	6.7
2	<input type="checkbox"/>			966.73		P	10.3
3	<input type="checkbox"/>			1694.60		P	5.2
4	<input type="checkbox"/>			3033.78		P	2.4
5	<input type="checkbox"/>			5409.60		P	6.1
6	<input type="checkbox"/>			9926.19		P	5.3
7	<input type="checkbox"/>			19281.29		P	4.4
8	<input type="checkbox"/>			1027.85		P	15.0



**176 Yb [He] No available calibration points**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>			6418.32		P	7.3
2	<input type="checkbox"/>			6435.00		P	2.9
3	<input type="checkbox"/>			6718.50		P	2.2
4	<input type="checkbox"/>			7324.38		P	5.7
5	<input type="checkbox"/>			8317.57		P	2.7
6	<input type="checkbox"/>			9992.86		P	2.4
7	<input type="checkbox"/>			14257.93		P	1.2
8	<input type="checkbox"/>			6044.08		P	3.2

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	102.78	0.0000	P	40.5
2	<input type="checkbox"/>	1.000	0.851	3722.87	0.0009	P	2.2
3	<input type="checkbox"/>	50.000	46.751	195207.64	0.0496	P	3.5
4	<input type="checkbox"/>	125.000	125.237	516946.78	0.1329	P	1.1
5	<input type="checkbox"/>	250.000	244.211	1005198.30	0.2590	P	2.0
6	<input type="checkbox"/>	500.000	492.804	2074292.10	0.5227	A	0.5
7	<input type="checkbox"/>	1000.000	1005.178	4146569.41	1.0661	A	1.3
8	<input type="checkbox"/>			2472.53	0.0007	P	11.4

$$y = 0.0011 * x + 2.5565E-005$$

$$R = 0.9999$$

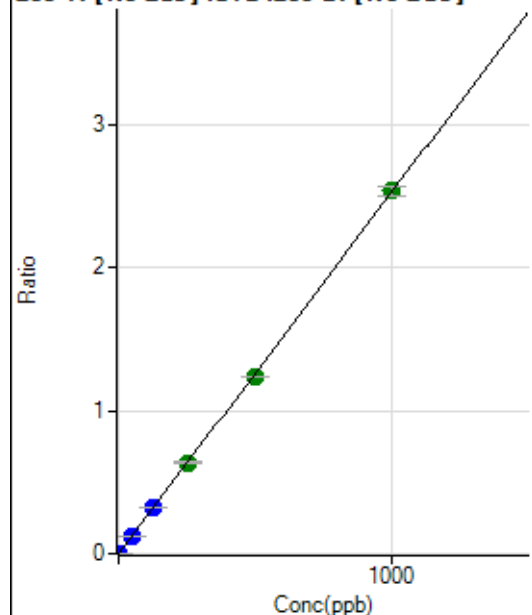
$$DL = 0.02926$$

$$BEC = 0.0241$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	166.67	0.0000	P	19.1
2	<input type="checkbox"/>	1.000	0.890	9189.66	0.0023	P	4.1
3	<input type="checkbox"/>	50.000	46.224	459875.29	0.1169	P	3.9
4	<input type="checkbox"/>	125.000	126.884	1248221.73	0.3208	P	0.4
5	<input type="checkbox"/>	250.000	251.637	2468545.85	0.6361	A	1.7
6	<input type="checkbox"/>	500.000	489.405	4909666.65	1.2372	A	0.6
7	<input type="checkbox"/>	1000.000	1004.842	9878931.12	2.5401	A	2.3
8	<input type="checkbox"/>			6007.19	0.0017	P	13.0

$$y = 0.0025 * x + 4.1636E-005$$

$$R = 0.9999$$

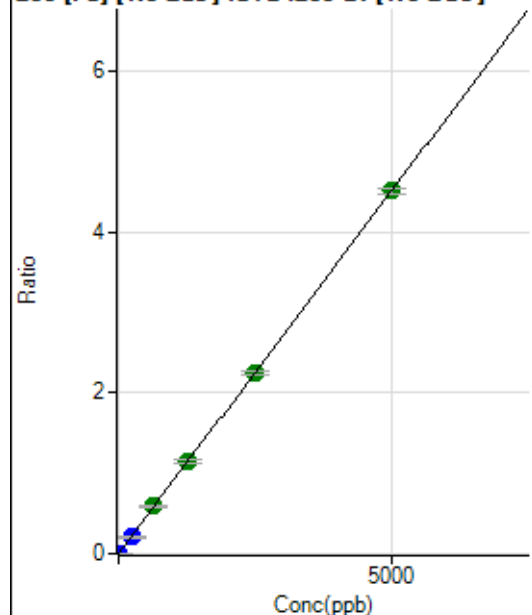
$$DL = 0.009419$$

$$BEC = 0.01647$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	390.76	0.0001	P	15.8
2	<input type="checkbox"/>	1.000	0.864	3520.92	0.0009	P	7.1
3	<input type="checkbox"/>	250.000	226.704	805709.34	0.2049	P	5.6
4	<input type="checkbox"/>	625.000	653.647	2297932.46	0.5905	A	1.3
5	<input type="checkbox"/>	1250.000	1265.206	4434270.85	1.1429	A	3.4
6	<input type="checkbox"/>	2500.000	2484.958	8908297.94	2.2447	A	2.5
7	<input type="checkbox"/>	5000.000	5001.304	17569646.46	4.5176	A	1.9
8	<input type="checkbox"/>			6596.35	0.0019	P	23.0

$$y = 9.0327E-004 * x + 9.7577E-005$$

$$R = 1.0000$$

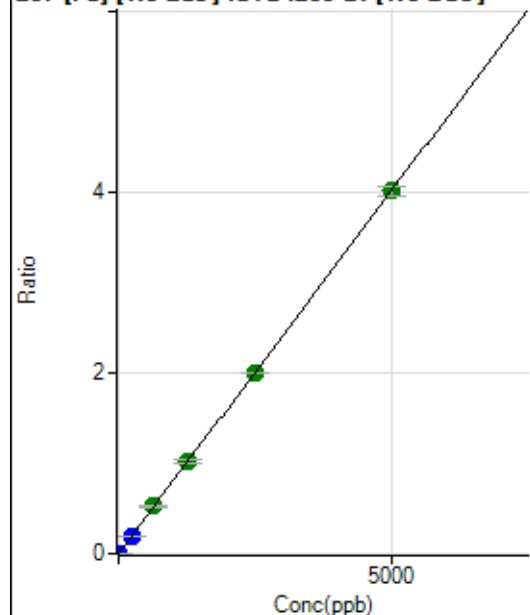
$$DL = 0.05108$$

$$BEC = 0.108$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	362.97	0.0001	P	19.5
2	<input type="checkbox"/>	1.000	0.843	3078.20	0.0008	P	8.3
3	<input type="checkbox"/>	250.000	231.519	731722.04	0.1859	P	3.8
4	<input type="checkbox"/>	625.000	650.507	2032180.56	0.5223	A	1.1
5	<input type="checkbox"/>	1250.000	1272.030	3962242.51	1.0212	A	2.9
6	<input type="checkbox"/>	2500.000	2488.518	7927890.80	1.9977	A	0.4
7	<input type="checkbox"/>	5000.000	4997.969	15604082.18	4.0122	A	2.5
8	<input type="checkbox"/>			5816.34	0.0017	P	23.9

$$y = 8.0274E-004 * x + 9.0634E-005$$

$$R = 1.0000$$

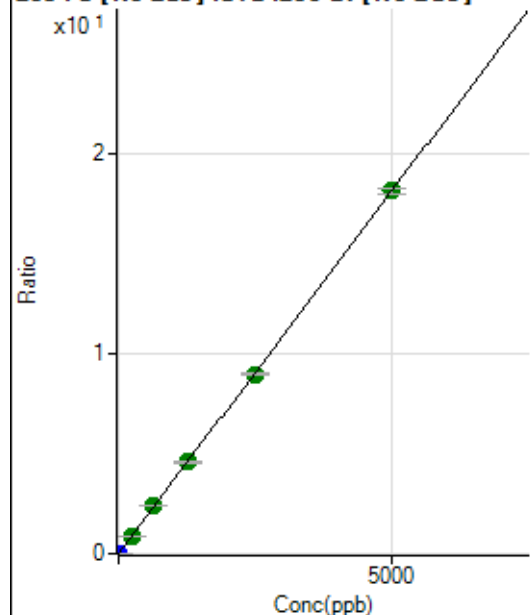
$$DL = 0.0662$$

$$BEC = 0.1129$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	1564.88	0.0004	P	1.1
2	<input type="checkbox"/>	1.000	0.841	13771.61	0.0034	P	4.0
3	<input type="checkbox"/>	250.000	234.911	3347936.34	0.8508	A	3.6
4	<input type="checkbox"/>	625.000	657.234	9258753.23	2.3796	A	1.3
5	<input type="checkbox"/>	1250.000	1265.953	17786301.41	4.5831	A	1.0
6	<input type="checkbox"/>	2500.000	2471.561	35507094.48	8.9474	A	1.2
7	<input type="checkbox"/>	5000.000	5006.957	70494583.64	18.1254	A	1.8
8	<input type="checkbox"/>			26408.05	0.0076	P	21.9

$$y = 0.0036 * x + 3.9044E-004$$

$$R = 0.9999$$

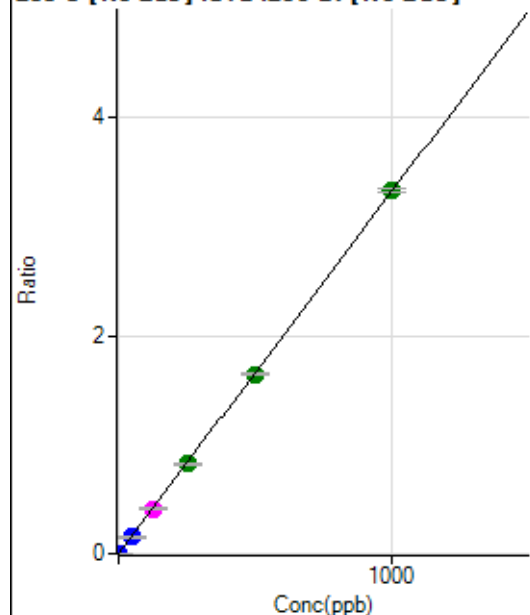
$$DL = 0.003576$$

$$BEC = 0.1079$$

Weight: &lt;None&gt;

Min Conc: 0

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



	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	0.000	0.000	25.00	0.0000	P	32.2
2	<input type="checkbox"/>	1.000	0.868	11577.87	0.0029	P	1.3
3	<input type="checkbox"/>	50.000	45.868	599315.52	0.1523	P	3.3
4	<input type="checkbox"/>	125.000	124.009	1602016.78	0.4117	M	1.5
5	<input type="checkbox"/>	250.000	248.787	3204816.37	0.8259	A	1.8
6	<input type="checkbox"/>	500.000	495.320	6525310.95	1.6443	A	1.3
7	<input type="checkbox"/>	1000.000	1002.974	12950121.30	3.3296	A	1.0
8	<input type="checkbox"/>			3117.22	0.0009	P	31.9

$$y = 0.0033 * x + 6.2215E-006$$

$$R = 1.0000$$

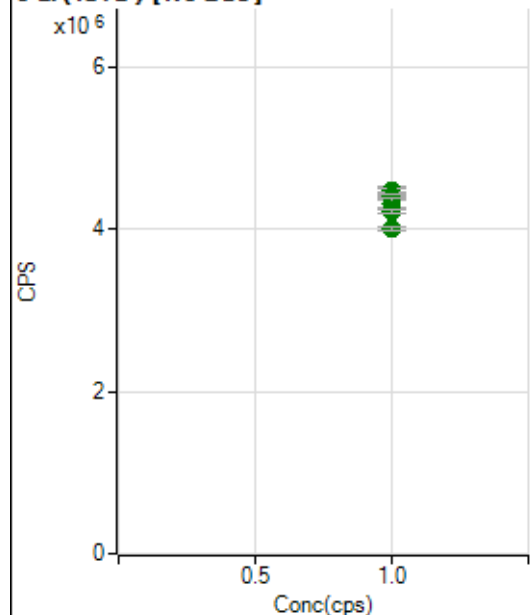
$$DL = 0.001811$$

$$BEC = 0.001874$$

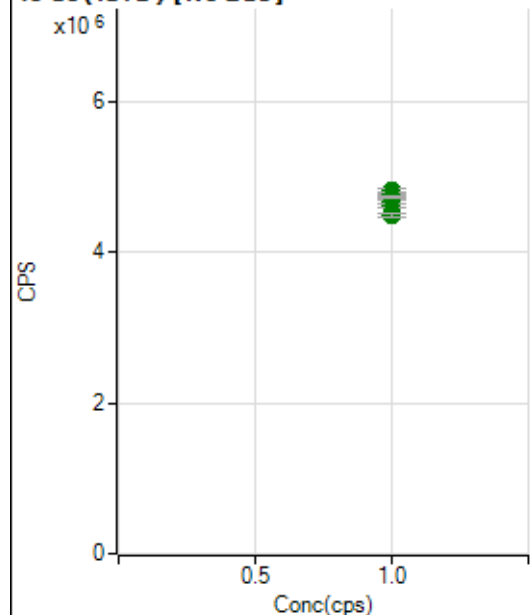
Weight: &lt;None&gt;

Min Conc: 0

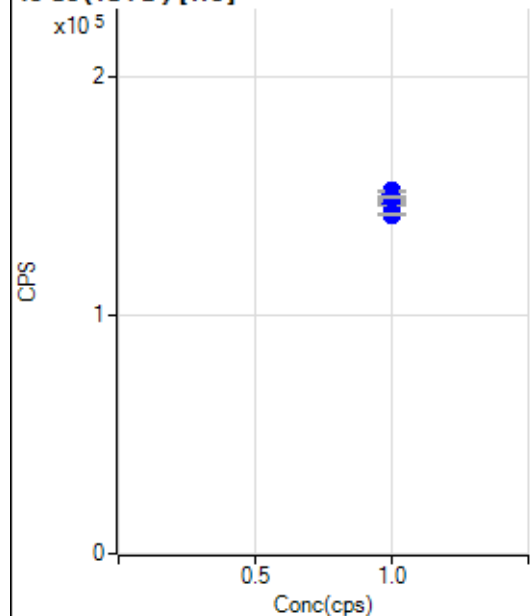
6 Li (ISTD) [No Gas]



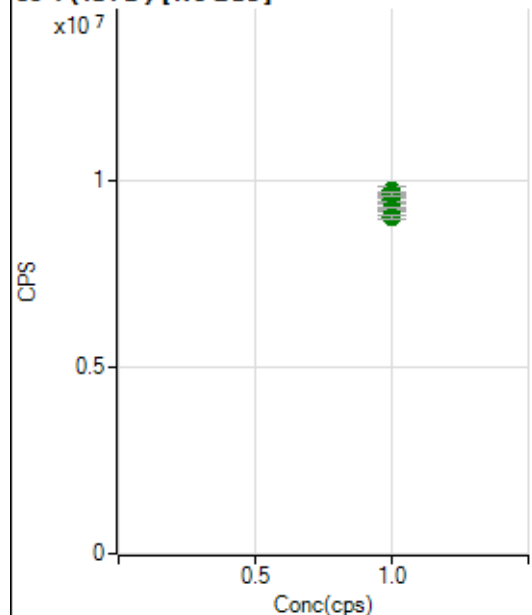
	R <sub>j</sub> ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		4458229.14		A	2.5
2	<input type="checkbox"/>	1.000		4468895.61		A	1.1
3	<input type="checkbox"/>	1.000		4409202.24		A	1.7
4	<input type="checkbox"/>	1.000		4391082.84		A	1.3
5	<input type="checkbox"/>	1.000		4308182.21		A	3.3
6	<input type="checkbox"/>	1.000		4246777.75		A	0.9
7	<input type="checkbox"/>	1.000		4218628.30		A	1.2
8	<input type="checkbox"/>	1.000		4000353.45		A	1.3

**45 Sc (ISTD) [No Gas]**

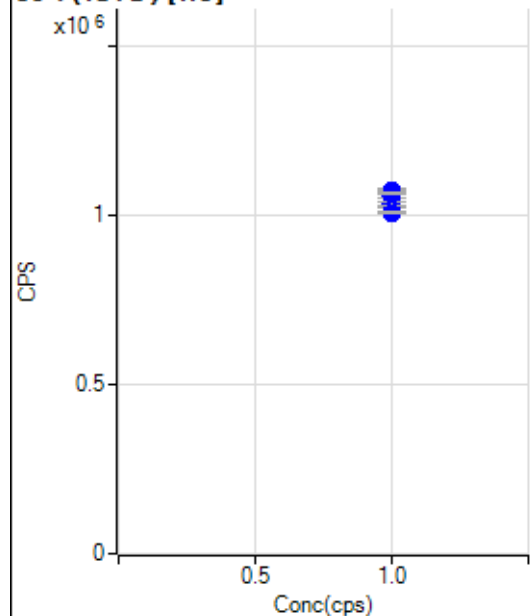
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		4809714.09		A	1.4
2	<input type="checkbox"/>	1.000		4820717.32		A	1.0
3	<input type="checkbox"/>	1.000		4773134.96		A	1.1
4	<input type="checkbox"/>	1.000		4695925.38		A	1.6
5	<input type="checkbox"/>	1.000		4631398.44		A	1.1
6	<input type="checkbox"/>	1.000		4679813.54		A	1.3
7	<input type="checkbox"/>	1.000		4736116.11		A	0.7
8	<input type="checkbox"/>	1.000		4487121.57		A	1.0

**45 Sc (ISTD) [He]**

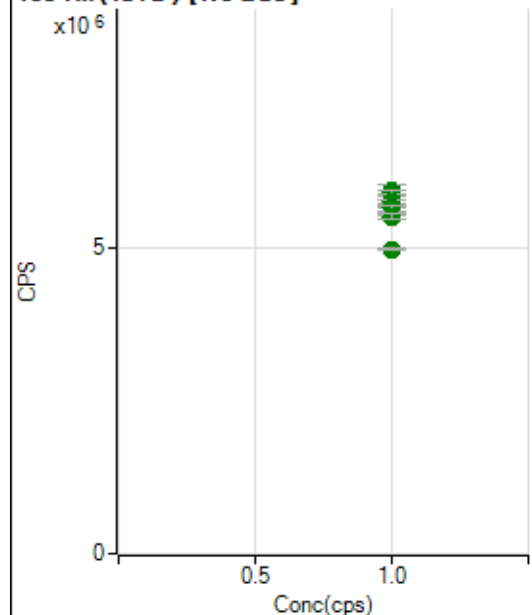
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		150548.08		P	1.0
2	<input type="checkbox"/>	1.000		151882.62		P	0.2
3	<input type="checkbox"/>	1.000		149753.63		P	1.7
4	<input type="checkbox"/>	1.000		145704.32		P	0.5
5	<input type="checkbox"/>	1.000		147030.61		P	0.6
6	<input type="checkbox"/>	1.000		146603.35		P	1.4
7	<input type="checkbox"/>	1.000		149100.88		P	0.6
8	<input type="checkbox"/>	1.000		141879.45		P	0.5

**89 Y (ISTD) [No Gas]**

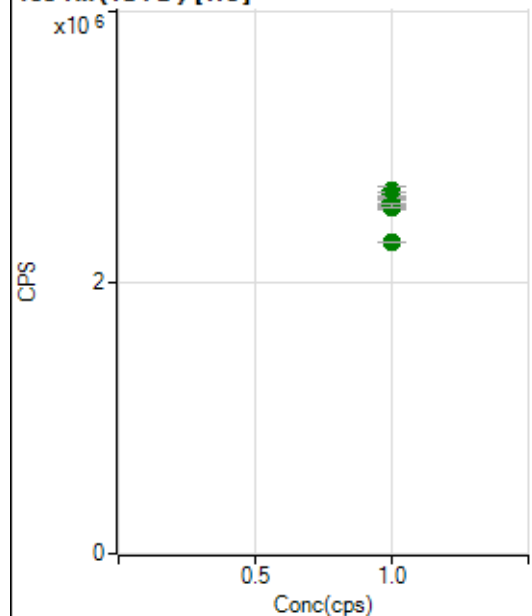
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		9702270.27		A	2.0
2	<input type="checkbox"/>	1.000		9443953.40		A	1.9
3	<input type="checkbox"/>	1.000		9471079.93		A	1.0
4	<input type="checkbox"/>	1.000		9181804.38		A	0.4
5	<input type="checkbox"/>	1.000		9229692.71		A	0.9
6	<input type="checkbox"/>	1.000		9557191.11		A	2.6
7	<input type="checkbox"/>	1.000		9608352.15		A	0.8
8	<input type="checkbox"/>	1.000		8991205.35		A	0.8

**89 Y (ISTD) [He]**

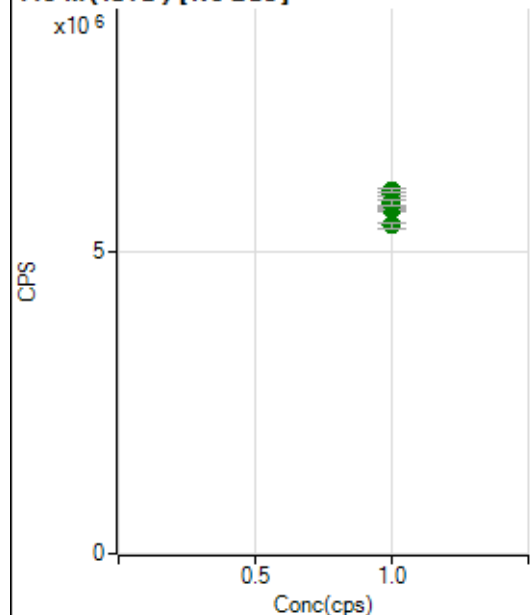
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		1073379.70		P	1.8
2	<input type="checkbox"/>	1.000		1073409.38		P	0.8
3	<input type="checkbox"/>	1.000		1057423.75		P	1.0
4	<input type="checkbox"/>	1.000		1034184.99		P	0.8
5	<input type="checkbox"/>	1.000		1031550.19		P	1.4
6	<input type="checkbox"/>	1.000		1035898.06		P	1.0
7	<input type="checkbox"/>	1.000		1066392.29		P	1.0
8	<input type="checkbox"/>	1.000		1008671.04		P	0.6

**103 Rh (ISTD) [No Gas]**

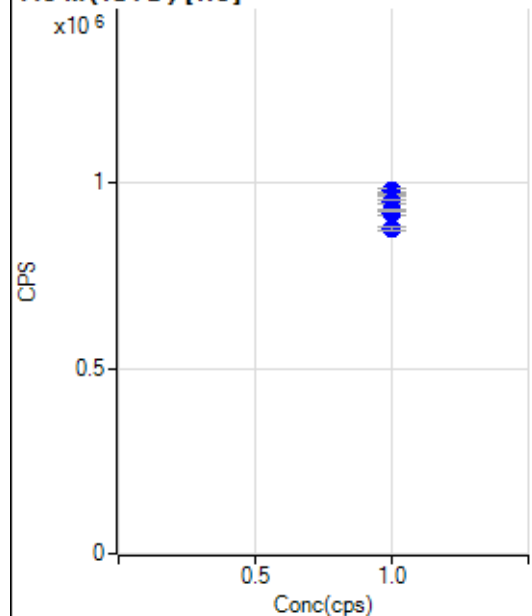
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		5921304.13		A	3.3
2	<input type="checkbox"/>	1.000		5894917.32		A	0.9
3	<input type="checkbox"/>	1.000		5730440.71		A	1.0
4	<input type="checkbox"/>	1.000		5554559.37		A	1.6
5	<input type="checkbox"/>	1.000		5662086.19		A	0.4
6	<input type="checkbox"/>	1.000		5641689.88		A	1.9
7	<input type="checkbox"/>	1.000		5501186.84		A	1.5
8	<input type="checkbox"/>	1.000		4969332.32		A	0.7

**103 Rh (ISTD) [He]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		2672153.22		A	2.6
2	<input type="checkbox"/>	1.000		2645449.82		A	1.4
3	<input type="checkbox"/>	1.000		2621126.70		A	1.2
4	<input type="checkbox"/>	1.000		2556652.22		A	1.7
5	<input type="checkbox"/>	1.000		2589108.23		A	2.3
6	<input type="checkbox"/>	1.000		2548070.00		A	0.3
7	<input type="checkbox"/>	1.000		2562338.87		A	1.5
8	<input type="checkbox"/>	1.000		2292398.44		A	0.3

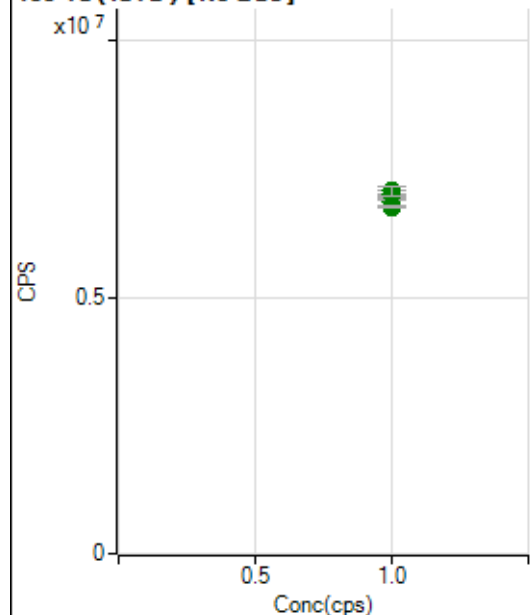
**115 In (ISTD) [No Gas]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		5964803.69		A	1.1
2	<input type="checkbox"/>	1.000		6007978.34		A	1.0
3	<input type="checkbox"/>	1.000		5823454.47		A	1.7
4	<input type="checkbox"/>	1.000		5715322.49		A	1.8
5	<input type="checkbox"/>	1.000		5703188.93		A	1.2
6	<input type="checkbox"/>	1.000		5716947.41		A	0.8
7	<input type="checkbox"/>	1.000		5807674.98		A	1.6
8	<input type="checkbox"/>	1.000		5439605.08		A	1.6

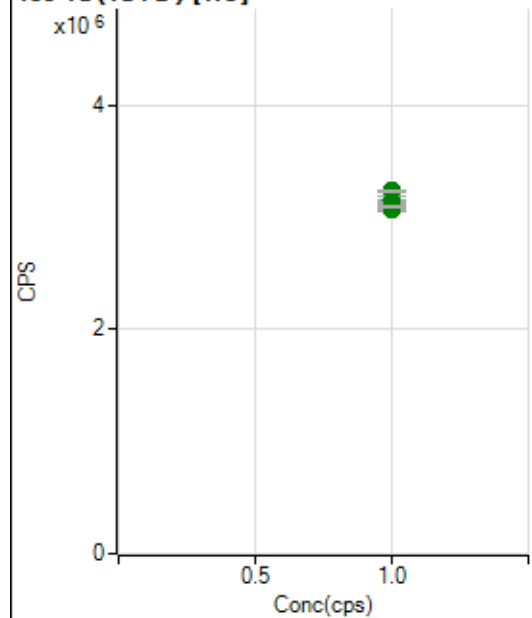
**115 In (ISTD) [He]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		978932.60		P	1.2
2	<input type="checkbox"/>	1.000		965985.70		P	0.5
3	<input type="checkbox"/>	1.000		949582.94		P	0.9
4	<input type="checkbox"/>	1.000		927997.93		P	0.6
5	<input type="checkbox"/>	1.000		923742.83		P	0.6
6	<input type="checkbox"/>	1.000		917092.48		P	1.3
7	<input type="checkbox"/>	1.000		924621.62		P	0.3
8	<input type="checkbox"/>	1.000		878300.10		P	1.4

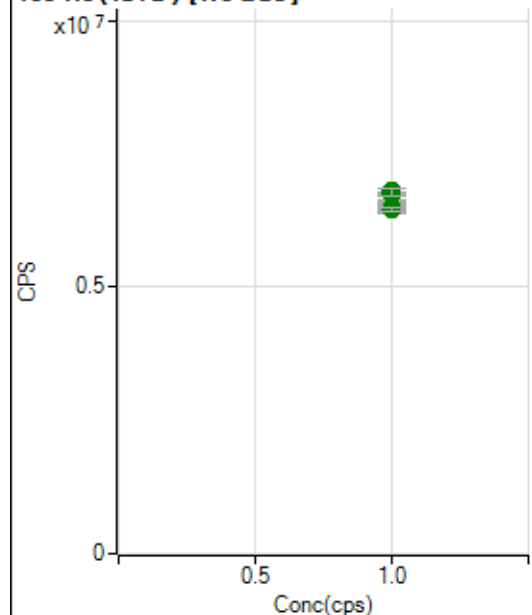


**159 Tb (ISTD) [No Gas]**

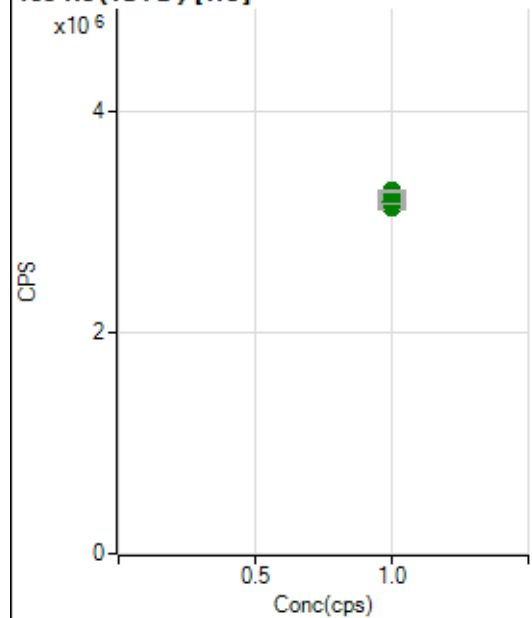
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		6999730.52		A	0.5
2	<input type="checkbox"/>	1.000		6932676.70		A	0.5
3	<input type="checkbox"/>	1.000		6862213.93		A	1.9
4	<input type="checkbox"/>	1.000		6769339.48		A	0.9
5	<input type="checkbox"/>	1.000		7002462.53		A	2.8
6	<input type="checkbox"/>	1.000		7026161.63		A	1.3
7	<input type="checkbox"/>	1.000		7072768.16		A	2.6
8	<input type="checkbox"/>	1.000		6765035.94		A	0.9

**159 Tb (ISTD) [He]**

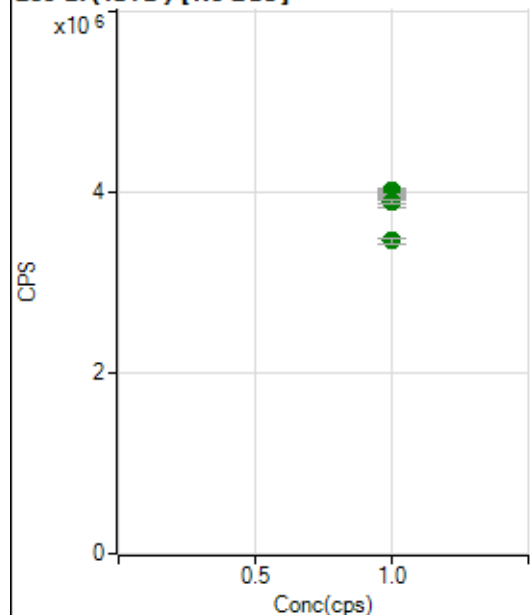
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		3158522.03		A	1.5
2	<input type="checkbox"/>	1.000		3147493.88		A	0.6
3	<input type="checkbox"/>	1.000		3077784.36		A	1.5
4	<input type="checkbox"/>	1.000		3071604.23		A	1.0
5	<input type="checkbox"/>	1.000		3118423.95		A	2.8
6	<input type="checkbox"/>	1.000		3155407.70		A	2.1
7	<input type="checkbox"/>	1.000		3234302.24		A	0.8
8	<input type="checkbox"/>	1.000		3094031.65		A	0.8

**165 Ho (ISTD) [No Gas]**

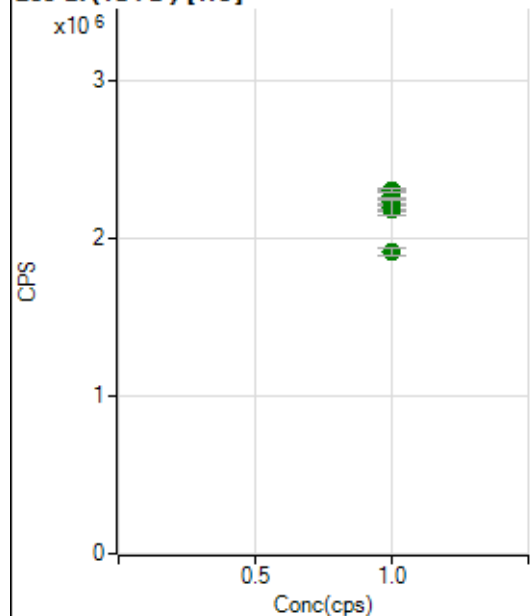
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		6800257.57		A	1.7
2	<input type="checkbox"/>	1.000		6531195.29		A	2.0
3	<input type="checkbox"/>	1.000		6477528.70		A	3.0
4	<input type="checkbox"/>	1.000		6500313.47		A	0.4
5	<input type="checkbox"/>	1.000		6690247.55		A	2.1
6	<input type="checkbox"/>	1.000		6737492.86		A	1.2
7	<input type="checkbox"/>	1.000		6767995.03		A	2.0
8	<input type="checkbox"/>	1.000		6457650.27		A	0.8

**165 Ho (ISTD) [He]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		3232402.21		A	3.6
2	<input type="checkbox"/>	1.000		3211923.39		A	1.4
3	<input type="checkbox"/>	1.000		3174506.03		A	2.3
4	<input type="checkbox"/>	1.000		3122089.78		A	0.7
5	<input type="checkbox"/>	1.000		3187122.11		A	1.1
6	<input type="checkbox"/>	1.000		3257129.57		A	0.7
7	<input type="checkbox"/>	1.000		3278962.97		A	0.4
8	<input type="checkbox"/>	1.000		3159537.90		A	0.2

**209 Bi (ISTD) [No Gas]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		4007830.91		A	1.2
2	<input type="checkbox"/>	1.000		4009883.00		A	0.3
3	<input type="checkbox"/>	1.000		3937763.45		A	3.4
4	<input type="checkbox"/>	1.000		3891279.90		A	1.2
5	<input type="checkbox"/>	1.000		3881240.46		A	2.5
6	<input type="checkbox"/>	1.000		3968409.38		A	0.4
7	<input type="checkbox"/>	1.000		3889377.44		A	0.6
8	<input type="checkbox"/>	1.000		3453884.50		A	1.4

**209 Bi (ISTD) [He]**

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	<input type="checkbox"/>	1.000		2268430.04		A	2.7
2	<input type="checkbox"/>	1.000		2296532.34		A	1.1
3	<input type="checkbox"/>	1.000		2228840.23		A	1.3
4	<input type="checkbox"/>	1.000		2225244.22		A	2.1
5	<input type="checkbox"/>	1.000		2229313.94		A	2.1
6	<input type="checkbox"/>	1.000		2174343.46		A	0.5
7	<input type="checkbox"/>	1.000		2189354.57		A	4.4
8	<input type="checkbox"/>	1.000		1909184.66		A	2.3

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP8020823 MS.b  
Acq. Date-Time 2023-02-08 11:24:26  
Report Comment ---  
Instrument Name G8403A SG19224459

[No Gas]

## Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		11287	112865.67			2.102	5.000
24		70506	705061.76			1.975	5.000
25		9619	96190.96			1.831	5.000
26		10917	109172.28			1.734	5.000
59		48542	485416.64			1.281	5.000
113		4941	49410.61			1.181	5.000
115		62097	620966.24			1.945	5.000
206		12288	122877.44			1.512	5.000
207		11106	111058.10			1.532	5.000
208		26804	268040.46			1.234	5.000
220		1	6.50			28.782	

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

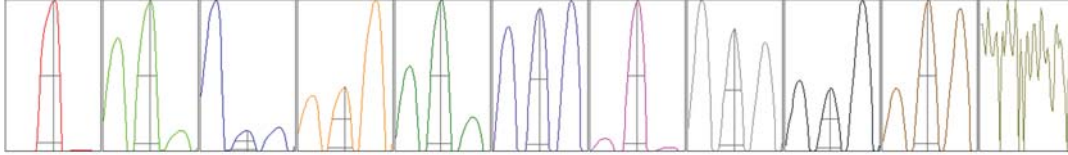
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	11555	11330	10921	11404	11223
24	72191	69372	68899	71531	70537
25	9844	9609	9351	9653	9638
26	11106	10873	10613	10986	11009
59	49571	48302	47932	48596	48306
113	5039	4905	4893	4919	4949
115	64053	61991	60809	62117	61514
206	12335	12087	12141	12318	12558
207	11196	10868	11074	11065	11326
208	27177	26529	26407	26851	27056

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	19216.93	9.05	8.90 - 9.10	
24	124794.95	24.00	23.90 - 24.10	
25	16582.78	25.00	24.90 - 25.10	
26	19221.10	26.00	25.90 - 26.10	
59	89326.25	58.95	58.90 - 59.10	
113	9672.29	113.00	112.90 - 113.10	
115	122269.50	115.00	114.90 - 115.10	
206	24184.82	206.00	205.90 - 206.10	
207	21595.38	206.95	206.90 - 207.10	
208	51410.82	207.95	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.62	0.782	0.900	
24	0.60	0.783	0.900	
25	0.60	0.787	0.900	
26	0.60	0.786	0.900	
59	0.57	0.778	0.900	
113	0.53	0.724	0.900	
115	0.52	0.727	0.900	
206	0.52	0.777	0.900	
207	0.52	0.780	0.900	
208	0.53	0.785	0.900	
220				

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.87 L/min Dilution Gas 0.40 L/min

# US EPA Tune Check Report

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

## Lens Parameters

Extract 1	-6.0 V	Omega Lens	9.4 V	Deflect	15.6 V
Extract 2	-165.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-90 V	Cell Exit	-50 V		

## Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	150 V		

## QP Parameters

Mass Gain	123	Axis Gain	0.9992	QP Bias	-4.0 V
Mass Offset	125	Axis Offset	-0.01		

## Hardware Settings

### Torch

Torch H	0.8 mm	Torch V	-1.0 mm
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### EM

Discriminator	4.4 mV	Analog HV	2307 V	Pulse HV	1664 V
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[He]

## Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		10390	103896.51			0.680	
89		11776	117756.84			0.625	
205		8449	84487.17			1.857	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	10375	10471	10452	10301	10350
89	11798	11838	11831	11753	11659
205	8509	8629	8536	8266	8303

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.87 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.40 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

### Lens Parameters

Extract 1	-6.0 V	Omega Lens	9.4 V	Deflect	4.4 V
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# US EPA Tune Check Report

Extract 2	-165.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-90 V	Cell Exit	-70 V		

## Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		

## QP Parameters

Mass Gain	123	Axis Gain	0.9992	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	-0.01		

## Hardware Settings

### Torch

Torch H	0.8 mm	Torch V	-1.0 mm
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### EM

Discriminator	4.4 mV	Analog HV	2307 V	Pulse HV	1664 V
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