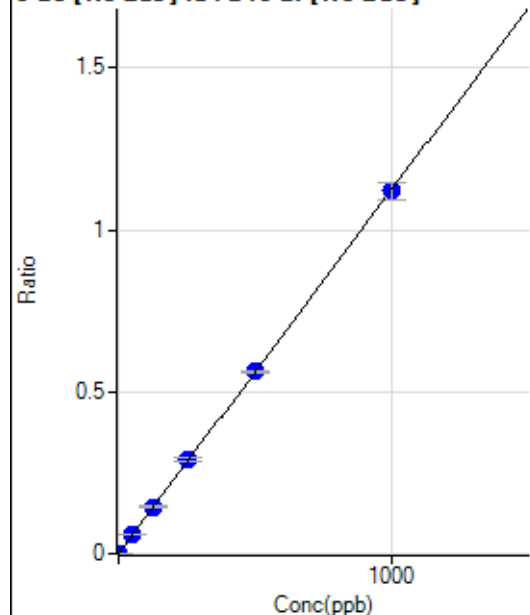


Calibration for 005CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8050920MS.b\  
 Analysis File: P8050920MS.batch.bin  
 DA Date-Time: 2020-05-09 15:45:14  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2020-05-09 15:01:59 |
| 2     | 004CALS.d          | S02         | 2020-05-09 15:05:10 |
| 3     | 006CALS.d          | S03         | 2020-05-09 15:11:29 |
| 4     | 007CALS.d          | S04         | 2020-05-09 15:14:37 |
| 5     | 008CALS.d          | S05         | 2020-05-09 15:17:43 |
| 6     | 009CALS.d          | S06         | 2020-05-09 15:20:42 |
| 7     | 010CALS.d          | S07         | 2020-05-09 15:23:42 |
| 8     | 011CALS.d          | S08         | 2020-05-09 15:26:40 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 87.32     | 0.0001 | P   | 16.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.986      | 742.54    | 0.0013 | P   | 9.8  |
| 3 | <input type="checkbox"/> | 50.000   | 50.937     | 35358.47  | 0.0574 | P   | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 129.262    | 88762.81  | 0.1454 | P   | 4.5  |
| 5 | <input type="checkbox"/> | 250.000  | 260.202    | 177743.97 | 0.2926 | P   | 3.3  |
| 6 | <input type="checkbox"/> | 500.000  | 499.531    | 348590.49 | 0.5615 | P   | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.104    | 681948.12 | 1.1207 | P   | 4.9  |
| 8 | <input type="checkbox"/> |          |            | 1177.15   | 0.0020 | P   | 3.9  |

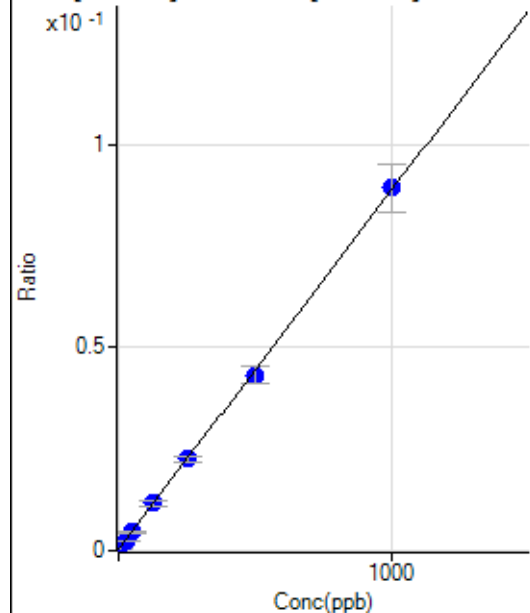
$$y = 0.0011 * x + 1.4610E-004$$

$$R = 0.9999$$

$$DL = 0.06582$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 209.96   | 0.0004 | P   | 16.4 |
| 2 | <input type="checkbox"/> | 25.000   | 21.952     | 1361.80  | 0.0023 | P   | 9.5  |
| 3 | <input type="checkbox"/> | 50.000   | 49.204     | 2898.39  | 0.0047 | P   | 9.8  |
| 4 | <input type="checkbox"/> | 125.000  | 127.394    | 7085.66  | 0.0116 | P   | 11.2 |
| 5 | <input type="checkbox"/> | 250.000  | 251.764    | 13775.09 | 0.0226 | P   | 5.5  |
| 6 | <input type="checkbox"/> | 500.000  | 485.431    | 26894.58 | 0.0433 | P   | 9.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.660   | 54290.41 | 0.0894 | P   | 13.0 |
| 8 | <input type="checkbox"/> |          |            | 10000.13 | 0.0172 | P   | 14.3 |

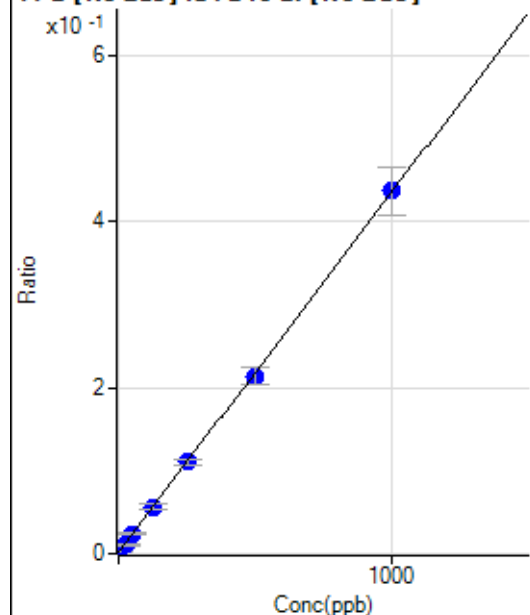
$$y = 8.8469E-005 * x + 3.5401E-004$$

$$R = 0.9998$$

$$DL = 1.972$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1005.84   | 0.0017 | P   | 7.5  |
| 2 | <input type="checkbox"/> | 25.000   | 20.997     | 6401.48   | 0.0108 | P   | 11.1 |
| 3 | <input type="checkbox"/> | 50.000   | 50.073     | 14394.91  | 0.0234 | P   | 11.1 |
| 4 | <input type="checkbox"/> | 125.000  | 125.208    | 34079.29  | 0.0559 | P   | 12.2 |
| 5 | <input type="checkbox"/> | 250.000  | 251.432    | 67351.65  | 0.1106 | P   | 6.8  |
| 6 | <input type="checkbox"/> | 500.000  | 490.046    | 132897.64 | 0.2140 | P   | 9.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1004.689   | 265222.10 | 0.4369 | P   | 13.1 |
| 8 | <input type="checkbox"/> |          |            | 48755.88  | 0.0837 | P   | 13.1 |

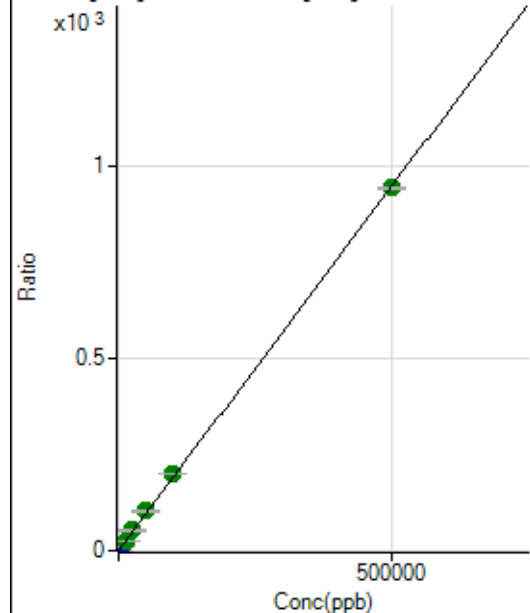
$$y = 4.3315E-004 * x + 0.0017$$

$$R = 0.9999$$

$$DL = 0.879$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 22565.11    | 0.4035   | P   | 2.0 |
| 2 | <input type="checkbox"/> | 500.000   | 527.196    | 80086.53    | 1.4038   | P   | 1.5 |
| 3 | <input type="checkbox"/> | 5000.000  | 5479.442   | 626373.39   | 10.8001  | P   | 1.1 |
| 4 | <input type="checkbox"/> | 12500.000 | 13801.103  | 1549833.23  | 26.5894  | A   | 0.8 |
| 5 | <input type="checkbox"/> | 25000.000 | 27616.521  | 3015552.37  | 52.8024  | A   | 1.1 |
| 6 | <input type="checkbox"/> | 50000.000 | 54413.749  | 5804998.48  | 103.6468 | A   | 4.1 |
| 7 | <input type="checkbox"/> | 100000.00 | 106108.57  | 11327905.55 | 201.7312 | A   | 1.2 |
| 8 | <input type="checkbox"/> | 500000.00 | 498168.73  | 51303300.45 | 945.6161 | A   | 0.4 |

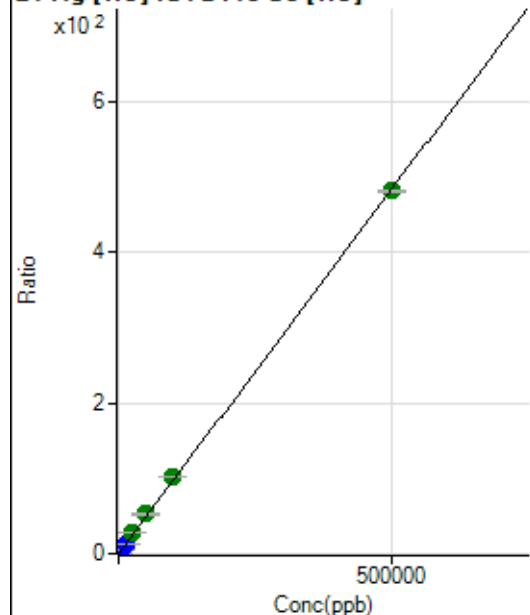
$$y = 0.0019 * x + 0.4035$$

$$R = 0.9999$$

$$DL = 12.51$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 244.45      | 0.0044   | P   | 27.0 |
| 2 | <input type="checkbox"/> | 500.000   | 537.724    | 29895.23    | 0.5240   | P   | 1.0  |
| 3 | <input type="checkbox"/> | 5000.000  | 5525.135   | 309933.85   | 5.3439   | P   | 0.9  |
| 4 | <input type="checkbox"/> | 12500.000 | 13936.428  | 785297.76   | 13.4725  | P   | 0.6  |
| 5 | <input type="checkbox"/> | 25000.000 | 27921.651  | 1541274.24  | 26.9879  | A   | 1.2  |
| 6 | <input type="checkbox"/> | 50000.000 | 54861.745  | 2970498.11  | 53.0228  | A   | 2.9  |
| 7 | <input type="checkbox"/> | 100000.00 | 106045.92  | 5755352.74  | 102.4873 | A   | 0.6  |
| 8 | <input type="checkbox"/> | 500000.00 | 498117.35  | 26116726.45 | 481.3858 | A   | 0.4  |

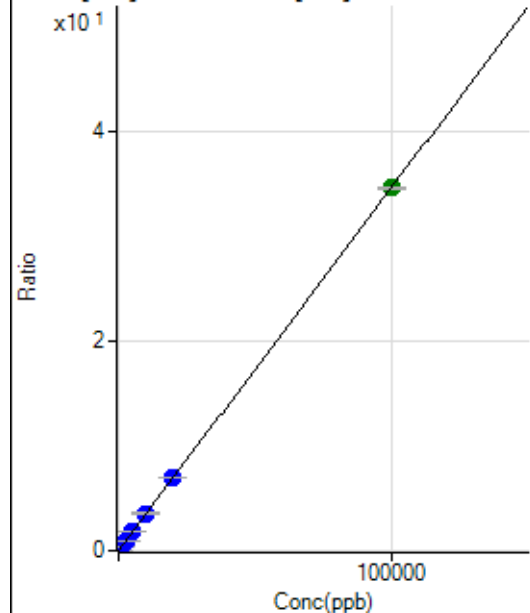
$$y = 9.6640\text{E-}004 * x + 0.0044$$

$$R = 0.9999$$

$$DL = 3.649$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 323.28     | 0.0058  | P   | 8.3 |
| 2 | <input type="checkbox"/> | 20.000    | 19.714     | 719.88     | 0.0126  | P   | 4.9 |
| 3 | <input type="checkbox"/> | 1000.000  | 1019.080   | 20838.74   | 0.3593  | P   | 0.4 |
| 4 | <input type="checkbox"/> | 2500.000  | 2566.329   | 52227.15   | 0.8961  | P   | 2.0 |
| 5 | <input type="checkbox"/> | 5000.000  | 5196.702   | 103287.72  | 1.8086  | P   | 1.0 |
| 6 | <input type="checkbox"/> | 10000.000 | 10289.433  | 200288.01  | 3.5753  | P   | 2.9 |
| 7 | <input type="checkbox"/> | 20000.000 | 20070.204  | 391301.70  | 6.9683  | P   | 0.6 |
| 8 | <input type="checkbox"/> | 100000.00 | 99945.332  | 1881423.70 | 34.6777 | A   | 0.7 |

$$y = 3.4691\text{E-}004 * x + 0.0058$$

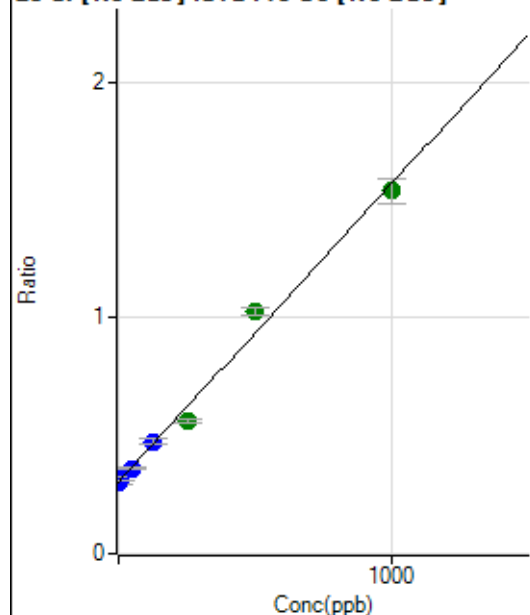
$$R = 1.0000$$

$$DL = 4.147$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 512642.32  | 0.3050 | P   | 5.8 |
| 2 | <input type="checkbox"/> | 10.000   | 11.104     | 535539.42  | 0.3191 | P   | 6.6 |
| 3 | <input type="checkbox"/> | 50.000   | 44.658     | 633611.00  | 0.3615 | P   | 2.1 |
| 4 | <input type="checkbox"/> | 125.000  | 133.461    | 827292.19  | 0.4739 | P   | 5.3 |
| 5 | <input type="checkbox"/> | 250.000  | 203.890    | 973378.02  | 0.5631 | A   | 3.9 |
| 6 | <input type="checkbox"/> | 500.000  | 570.476    | 1819269.99 | 1.0271 | A   | 2.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 975.488    | 2660855.66 | 1.5397 | A   | 6.7 |
| 8 | <input type="checkbox"/> |          |            | 920989.25  | 0.5551 | A   | 5.0 |

$$y = 0.0013 * x + 0.3050$$

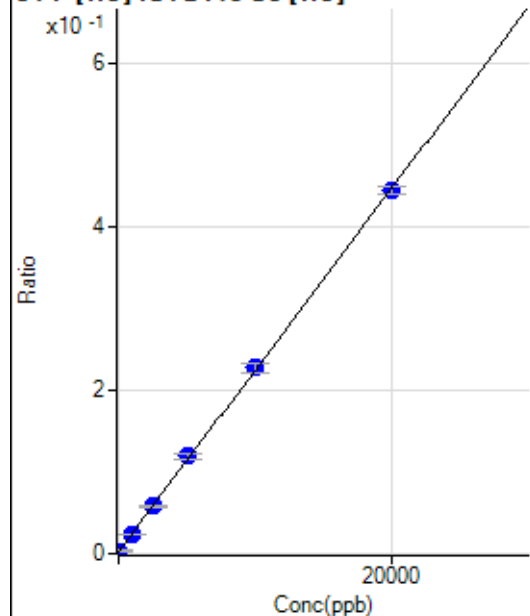
$$R = 0.9951$$

$$DL = 42.03$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | -34.328    | 97.23    | 0.0017 | P   | 16.3 |
| 2 | <input type="checkbox"/> | 0.000     | 34.328     | 186.12   | 0.0033 | P   | 18.5 |
| 3 | <input type="checkbox"/> | 1000.000  | 941.349    | 1358.44  | 0.0234 | P   | 7.5  |
| 4 | <input type="checkbox"/> | 2500.000  | 2520.162   | 3411.60  | 0.0585 | P   | 5.1  |
| 5 | <input type="checkbox"/> | 5000.000  | 5251.221   | 6807.33  | 0.1192 | P   | 5.0  |
| 6 | <input type="checkbox"/> | 10000.000 | 10125.829  | 12744.79 | 0.2275 | P   | 4.9  |
| 7 | <input type="checkbox"/> | 20000.000 | 19874.693  | 24944.15 | 0.4442 | P   | 2.2  |
| 8 | <input type="checkbox"/> |           |            | 155.56   | 0.0029 | P   | 21.4 |

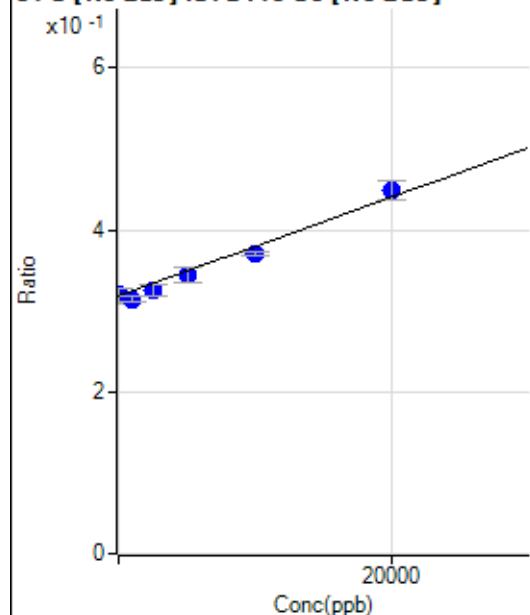
$$y = 2.2225E-005 * x + 0.0025$$

$$R = 0.9999$$

$$DL = 59.81$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | -194.845   | 533691.22 | 0.3176 | P   | 6.2 |
| 2 | <input type="checkbox"/> | 0.000     | 194.845    | 537262.32 | 0.3199 | P   | 5.4 |
| 3 | <input type="checkbox"/> | 1000.000  | -759.333   | 550538.60 | 0.3141 | P   | 2.5 |
| 4 | <input type="checkbox"/> | 2500.000  | 1049.045   | 567707.75 | 0.3252 | P   | 4.7 |
| 5 | <input type="checkbox"/> | 5000.000  | 4295.160   | 596037.71 | 0.3450 | P   | 5.4 |
| 6 | <input type="checkbox"/> | 10000.000 | 8434.506   | 655318.39 | 0.3702 | P   | 1.7 |
| 7 | <input type="checkbox"/> | 20000.000 | 21228.293  | 774887.38 | 0.4482 | P   | 5.3 |
| 8 | <input type="checkbox"/> |           |            | 501412.07 | 0.3023 | P   | 0.4 |

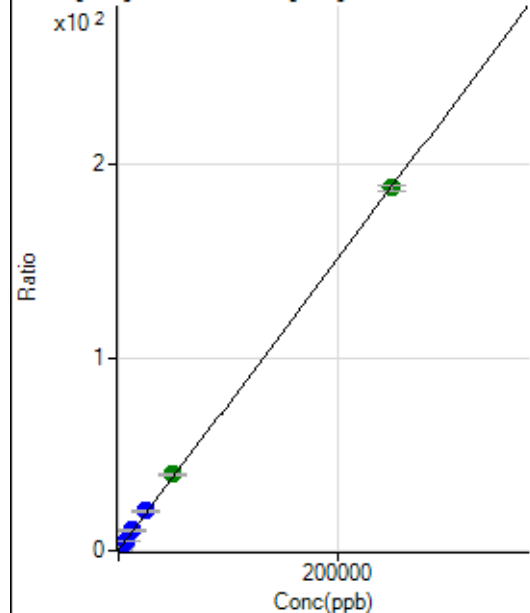
$$y = 6.0982\text{E-}006 * x + 0.3188$$

$$R = 0.9927$$

$$DL = 9110$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 18757.01    | 0.3355   | P   | 3.2 |
| 2 | <input type="checkbox"/> | 500.000   | 509.861    | 41028.29    | 0.7192   | P   | 0.8 |
| 3 | <input type="checkbox"/> | 2500.000  | 2657.124   | 135431.78   | 2.3351   | P   | 0.8 |
| 4 | <input type="checkbox"/> | 6250.000  | 6726.997   | 314653.79   | 5.3980   | P   | 0.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 13504.910  | 599584.56   | 10.4989  | P   | 1.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 26827.960  | 1149911.04  | 20.5254  | P   | 2.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 51893.438  | 2211887.64  | 39.3889  | A   | 0.6 |
| 8 | <input type="checkbox"/> | 250000.00 | 249374.75  | 10199498.23 | 188.0076 | A   | 1.3 |

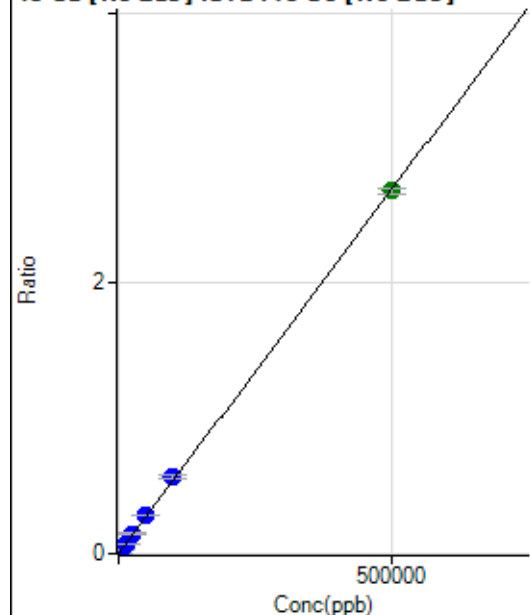
$$y = 7.5257\text{E-}004 * x + 0.3355$$

$$R = 1.0000$$

$$DL = 42.97$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 433.35     | 0.0003 | P   | 8.7 |
| 2 | <input type="checkbox"/> | 500.000   | 529.214    | 5226.08    | 0.0031 | P   | 4.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5431.953   | 51662.63   | 0.0295 | P   | 2.4 |
| 4 | <input type="checkbox"/> | 12500.000 | 13316.159  | 125497.31  | 0.0719 | P   | 5.0 |
| 5 | <input type="checkbox"/> | 25000.000 | 27227.968  | 253603.16  | 0.1467 | P   | 4.3 |
| 6 | <input type="checkbox"/> | 50000.000 | 52418.582  | 499587.63  | 0.2822 | P   | 1.6 |
| 7 | <input type="checkbox"/> | 100000.00 | 106052.56  | 986688.21  | 0.5707 | P   | 5.3 |
| 8 | <input type="checkbox"/> | 500000.00 | 498411.47  | 4446676.14 | 2.6813 | A   | 1.6 |

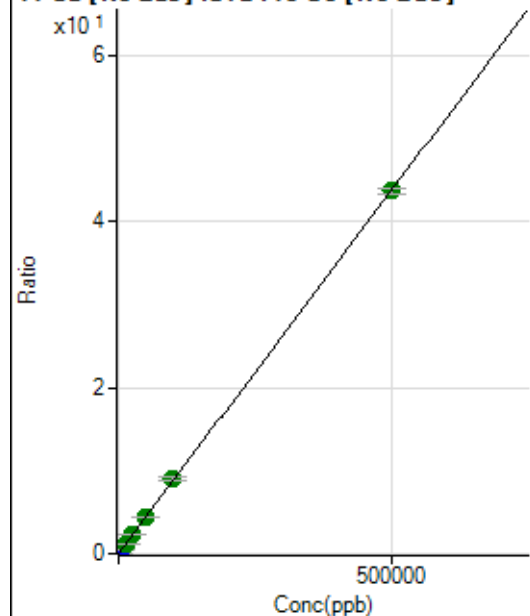
$$y = 5.3791\text{E-}006 * x + 2.5810\text{E-}004$$

$$R = 0.9999$$

$$DL = 12.54$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 28197.66    | 0.0168  | P   | 6.0 |
| 2 | <input type="checkbox"/> | 500.000   | 528.874    | 105860.63   | 0.0630  | P   | 4.9 |
| 3 | <input type="checkbox"/> | 5000.000  | 5355.671   | 850337.80   | 0.4852  | P   | 1.6 |
| 4 | <input type="checkbox"/> | 12500.000 | 13248.477  | 2051589.54  | 1.1754  | A   | 5.8 |
| 5 | <input type="checkbox"/> | 25000.000 | 26445.113  | 4025263.15  | 2.3296  | A   | 5.3 |
| 6 | <input type="checkbox"/> | 50000.000 | 50821.211  | 7898058.60  | 4.4614  | A   | 1.4 |
| 7 | <input type="checkbox"/> | 100000.00 | 102678.04  | 15548803.82 | 8.9966  | A   | 6.2 |
| 8 | <input type="checkbox"/> | 500000.00 | 499287.71  | 72440780.79 | 43.6823 | A   | 1.9 |

$$y = 8.7456\text{E-}005 * x + 0.0168$$

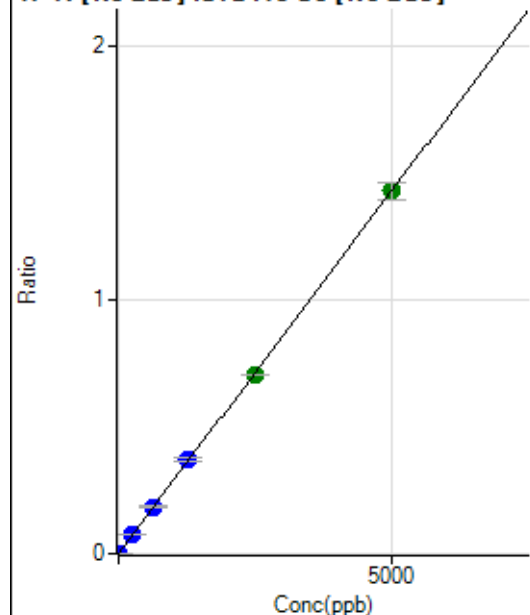
$$R = 1.0000$$

$$DL = 34.4$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 502.80     | 0.0003 | P   | 3.6 |
| 2 | <input type="checkbox"/> | 5.000    | 5.117      | 2964.28    | 0.0018 | P   | 4.3 |
| 3 | <input type="checkbox"/> | 250.000  | 254.254    | 127835.46  | 0.0729 | P   | 1.7 |
| 4 | <input type="checkbox"/> | 625.000  | 642.151    | 320791.08  | 0.1837 | P   | 4.9 |
| 5 | <input type="checkbox"/> | 1250.000 | 1296.739   | 640554.08  | 0.3707 | P   | 5.6 |
| 6 | <input type="checkbox"/> | 2500.000 | 2464.716   | 1247149.41 | 0.7044 | A   | 0.6 |
| 7 | <input type="checkbox"/> | 5000.000 | 5003.600   | 2471919.70 | 1.4297 | A   | 5.0 |
| 8 | <input type="checkbox"/> |          |            | 4514.73    | 0.0027 | P   | 2.8 |

$$y = 2.8567E-004 * x + 2.9834E-004$$

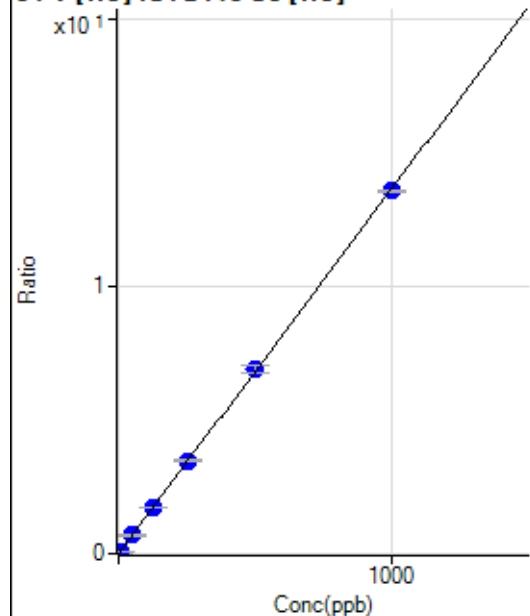
$$R = 0.9999$$

$$DL = 0.1142$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio   | Det | RSD  |
|---|--------------------------|----------|------------|-----------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 22.22     | 0.0004  | P   | 44.0 |
| 2 | <input type="checkbox"/> | 5.000    | 5.211      | 4073.96   | 0.0714  | P   | 3.4  |
| 3 | <input type="checkbox"/> | 50.000   | 50.268     | 39752.84  | 0.6854  | P   | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 126.049    | 100147.42 | 1.7181  | P   | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 255.341    | 198750.23 | 3.4801  | P   | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 506.519    | 386661.78 | 6.9030  | P   | 3.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.259    | 761635.43 | 13.5633 | P   | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 1337.85   | 0.0247  | P   | 1.7  |

$$y = 0.0136 * x + 3.9817E-004$$

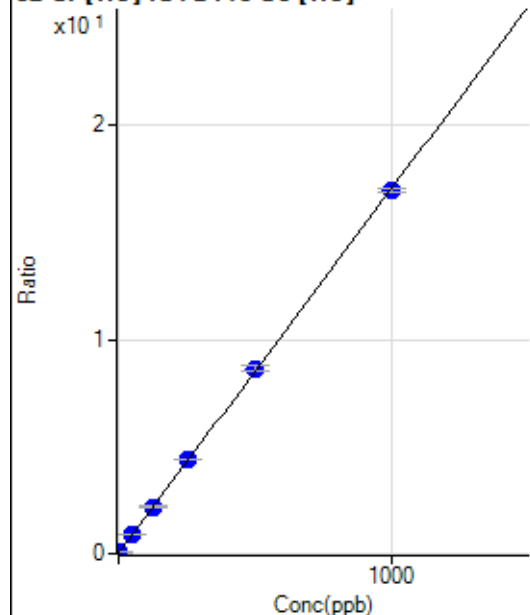
$$R = 1.0000$$

$$DL = 0.0386$$

Weight: &lt;None&gt;

Min Conc: 0



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

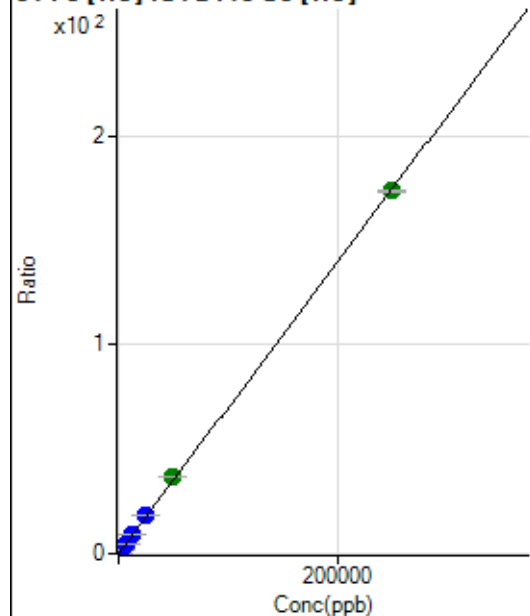
$$y = 0.0170 * x + 0.0167$$

$$R = 0.9999$$

$$DL = 0.08227$$

Weight: &lt;None&gt;

Min Conc: 0

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

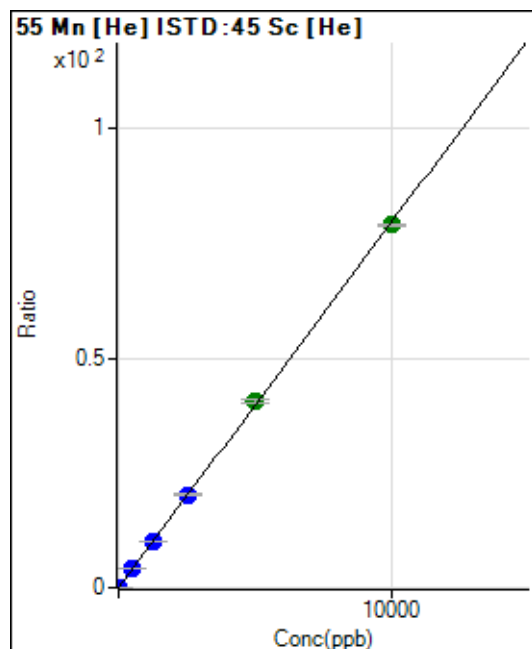
$$y = 6.9722E-004 * x + 0.0066$$

$$R = 0.9999$$

$$DL = 2.45$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 96.67      | 0.0017  | P   | 10.6 |
| 2 | <input type="checkbox"/> | 1.000     | 0.987      | 546.68     | 0.0096  | P   | 9.5  |
| 3 | <input type="checkbox"/> | 500.000   | 505.681    | 233582.24  | 4.0274  | P   | 1.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1265.978   | 587577.66  | 10.0802 | P   | 0.2  |
| 5 | <input type="checkbox"/> | 2500.000  | 2550.202   | 1159563.68 | 20.3038 | P   | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 5111.765   | 2280077.27 | 40.6964 | A   | 2.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 9929.286   | 4438931.32 | 79.0485 | A   | 0.7  |
| 8 | <input type="checkbox"/> |           |            | 10181.49   | 0.1877  | P   | 2.4  |

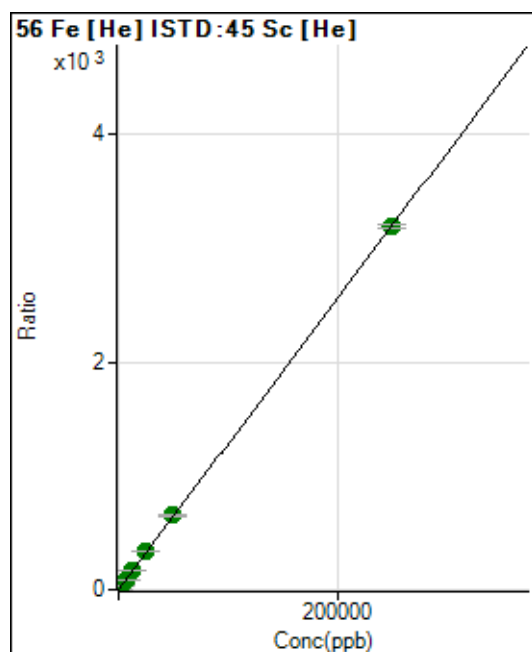
$$y = 0.0080 * x + 0.0017$$

$$R = 0.9999$$

$$DL = 0.0691$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 2546.56     | 0.0455    | P   | 3.2 |
| 2 | <input type="checkbox"/> | 50.000    | 54.107     | 42015.77    | 0.7365    | P   | 1.4 |
| 3 | <input type="checkbox"/> | 2500.000  | 2621.397   | 1944185.75  | 33.5216   | A   | 0.5 |
| 4 | <input type="checkbox"/> | 6250.000  | 6523.769   | 4858626.03  | 83.3563   | A   | 1.0 |
| 5 | <input type="checkbox"/> | 12500.000 | 13262.515  | 9675483.32  | 169.4123  | A   | 0.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 26291.657  | 18809352.04 | 335.7989  | A   | 3.5 |
| 7 | <input type="checkbox"/> | 50000.000 | 51089.252  | 36638566.56 | 652.4725  | A   | 1.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 249606.79  | 172931553.8 | 3,187.608 | A   | 1.1 |

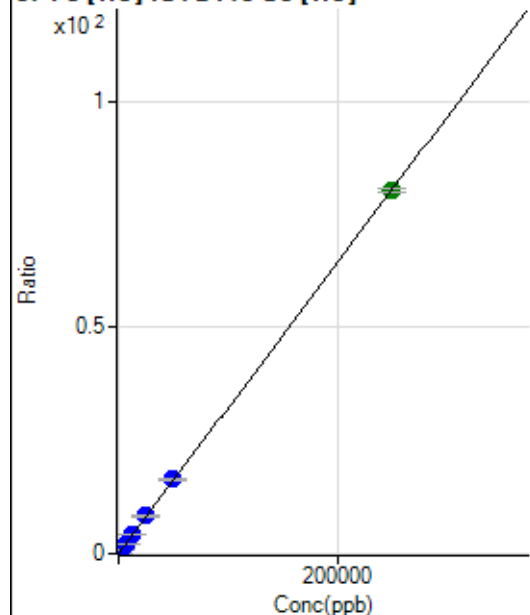
$$y = 0.0128 * x + 0.0455$$

$$R = 1.0000$$

$$DL = 0.346$$

Weight: <None>

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 92.59      | 0.0017  | P   | 13.2 |
| 2 | <input type="checkbox"/> | 50.000    | 50.002     | 1011.16    | 0.0177  | P   | 8.7  |
| 3 | <input type="checkbox"/> | 2500.000  | 2540.007   | 47451.16   | 0.8181  | P   | 0.9  |
| 4 | <input type="checkbox"/> | 6250.000  | 6513.698   | 122144.23  | 2.0955  | P   | 0.8  |
| 5 | <input type="checkbox"/> | 12500.000 | 13195.435  | 242348.96  | 4.2434  | P   | 0.4  |
| 6 | <input type="checkbox"/> | 25000.000 | 26166.038  | 471292.60  | 8.4128  | P   | 2.9  |
| 7 | <input type="checkbox"/> | 50000.000 | 50977.661  | 920302.15  | 16.3886 | P   | 0.3  |
| 8 | <input type="checkbox"/> | 250000.00 | 249646.10  | 4353714.42 | 80.2512 | A   | 1.1  |

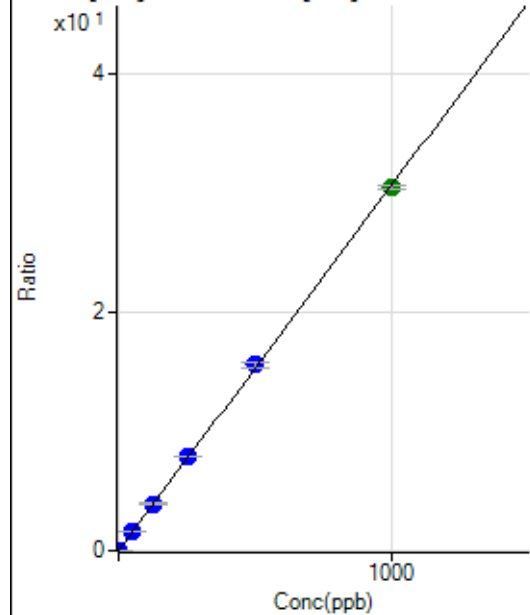
$$y = 3.2145\text{E-}004 * x + 0.0017$$

$$R = 1.0000$$

$$DL = 2.038$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 156.67     | 0.0028  | P   | 17.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.957      | 1832.36    | 0.0321  | P   | 3.2  |
| 3 | <input type="checkbox"/> | 50.000   | 50.944     | 90625.05   | 1.5626  | P   | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 128.186    | 228920.31  | 3.9275  | P   | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 258.309    | 451827.30  | 7.9114  | P   | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 508.727    | 872723.76  | 15.5785 | P   | 2.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.114    | 1707582.34 | 30.4090 | A   | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 5353.28    | 0.0987  | P   | 1.3  |

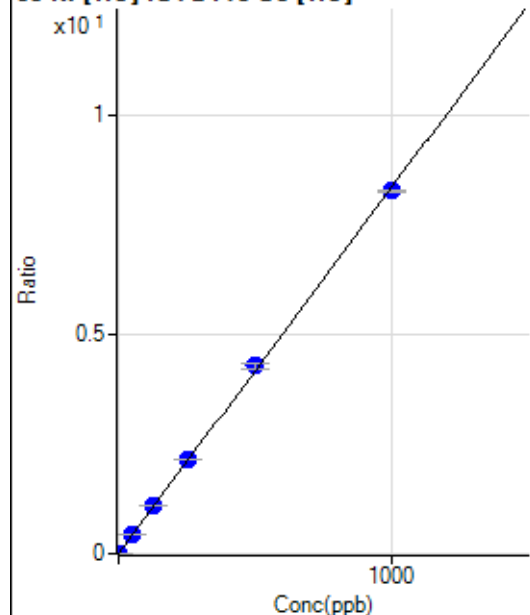
$$y = 0.0306 * x + 0.0028$$

$$R = 0.9999$$

$$DL = 0.04746$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 88.89     | 0.0016 | P   | 7.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.149      | 638.91    | 0.0112 | P   | 1.4 |
| 3 | <input type="checkbox"/> | 50.000   | 51.058     | 24861.78  | 0.4287 | P   | 0.7 |
| 4 | <input type="checkbox"/> | 125.000  | 129.466    | 63217.22  | 1.0845 | P   | 0.3 |
| 5 | <input type="checkbox"/> | 250.000  | 259.003    | 123819.70 | 2.1681 | P   | 0.7 |
| 6 | <input type="checkbox"/> | 500.000  | 512.256    | 240134.82 | 4.2864 | P   | 2.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 991.010    | 465583.53 | 8.2910 | P   | 0.5 |
| 8 | <input type="checkbox"/> |          |            | 8350.29   | 0.1539 | P   | 2.8 |

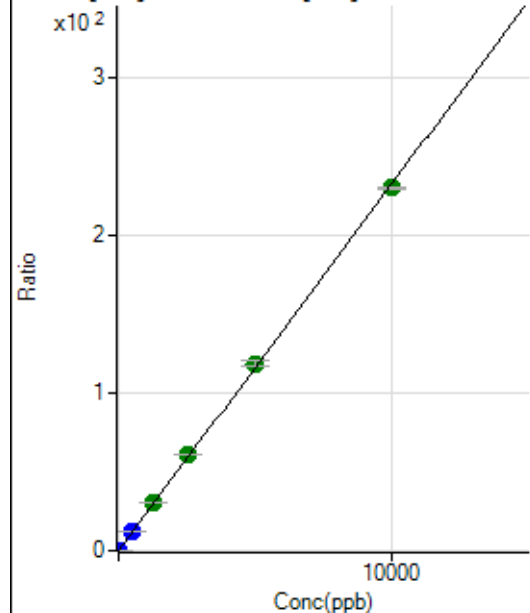
$$y = 0.0084 * x + 0.0016$$

$$R = 0.9998$$

$$DL = 0.04052$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 478.90      | 0.0086   | P   | 3.9 |
| 2 | <input type="checkbox"/> | 2.000     | 2.127      | 3310.42     | 0.0580   | P   | 4.0 |
| 3 | <input type="checkbox"/> | 500.000   | 519.692    | 701384.25   | 12.0934  | P   | 0.7 |
| 4 | <input type="checkbox"/> | 1250.000  | 1300.143   | 1762767.70  | 30.2419  | A   | 1.7 |
| 5 | <input type="checkbox"/> | 2500.000  | 2622.550   | 3483319.81  | 60.9929  | A   | 1.1 |
| 6 | <input type="checkbox"/> | 5000.000  | 5117.405   | 6666157.75  | 119.0078 | A   | 3.4 |
| 7 | <input type="checkbox"/> | 10000.000 | 9903.408   | 12932327.44 | 230.3008 | A   | 0.8 |
| 8 | <input type="checkbox"/> |           |            | 24979.76    | 0.4604   | P   | 1.1 |

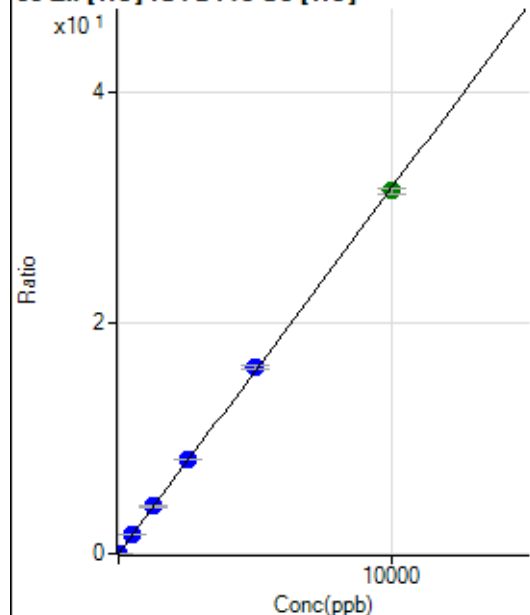
$$y = 0.0233 * x + 0.0086$$

$$R = 0.9998$$

$$DL = 0.0431$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 148.89     | 0.0027  | P   | 17.0 |
| 2 | <input type="checkbox"/> | 2.000     | 2.306      | 567.80     | 0.0100  | P   | 9.8  |
| 3 | <input type="checkbox"/> | 500.000   | 516.119    | 94817.57   | 1.6348  | P   | 0.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1289.779   | 237894.53  | 4.0815  | P   | 1.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2577.796   | 465729.25  | 8.1547  | P   | 0.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 5095.848   | 902941.61  | 16.1178 | P   | 2.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 9926.849   | 1762952.48 | 31.3955 | A   | 1.4  |
| 8 | <input type="checkbox"/> |           |            | 10393.90   | 0.1916  | P   | 0.9  |

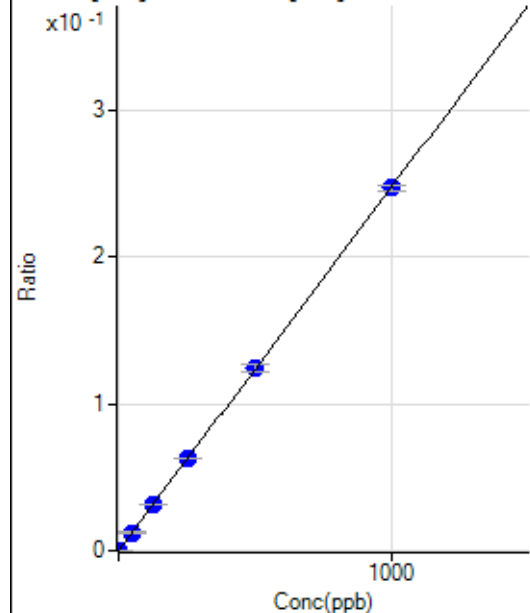
$$y = 0.0032 * x + 0.0027$$

$$R = 0.9999$$

$$DL = 0.43$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 19.67     | 0.0000 | P   | 23.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.865      | 130.68    | 0.0003 | P   | 8.8  |
| 3 | <input type="checkbox"/> | 50.000   | 49.773     | 6499.15   | 0.0124 | P   | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 127.521    | 16535.64  | 0.0316 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 250.000  | 251.647    | 32674.14  | 0.0624 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 502.479    | 63938.21  | 0.1245 | P   | 3.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.045    | 125947.51 | 0.2472 | P   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 241.03    | 0.0005 | P   | 4.0  |

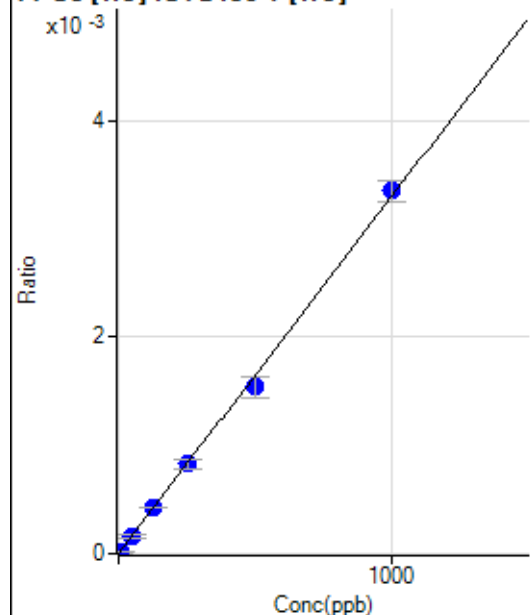
$$y = 2.4764E-004 * x + 3.8628E-005$$

$$R = 1.0000$$

$$DL = 0.1088$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD   |
|---|--------------------------|----------|------------|---------|--------|-----|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.11    | 0.0000 | P   | 173.2 |
| 2 | <input type="checkbox"/> | 5.000    | 5.209      | 10.00   | 0.0000 | P   | 0.7   |
| 3 | <input type="checkbox"/> | 50.000   | 47.452     | 83.33   | 0.0002 | P   | 23.7  |
| 4 | <input type="checkbox"/> | 125.000  | 128.433    | 222.23  | 0.0004 | P   | 2.4   |
| 5 | <input type="checkbox"/> | 250.000  | 250.078    | 432.23  | 0.0008 | P   | 10.8  |
| 6 | <input type="checkbox"/> | 500.000  | 466.708    | 791.14  | 0.0015 | P   | 12.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 1016.324   | 1705.68 | 0.0033 | P   | 5.5   |
| 8 | <input type="checkbox"/> |          |            | 4.45    | 0.0000 | P   | 86.6  |

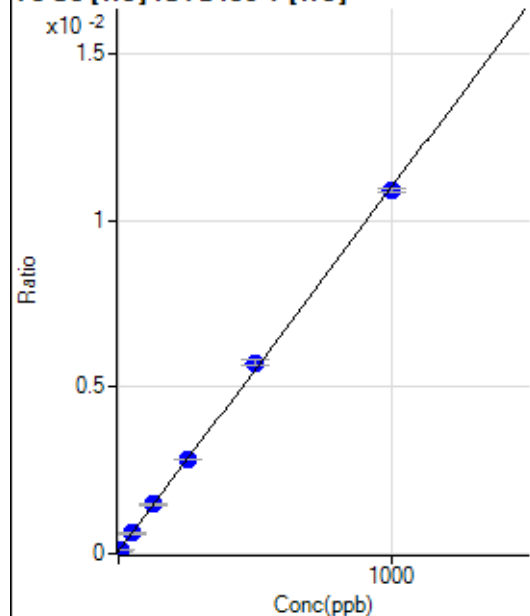
$$y = 3.2917\text{E-}006 * x + 2.1909\text{E-}006$$

$$R = 0.9992$$

$$DL = 3.459$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 35.00   | 0.0001 | P   | 7.2  |
| 2 | <input type="checkbox"/> | 5.000    | 5.372      | 66.01   | 0.0001 | P   | 26.6 |
| 3 | <input type="checkbox"/> | 50.000   | 50.997     | 329.37  | 0.0006 | P   | 7.9  |
| 4 | <input type="checkbox"/> | 125.000  | 128.799    | 773.10  | 0.0015 | P   | 2.6  |
| 5 | <input type="checkbox"/> | 250.000  | 252.300    | 1482.90 | 0.0028 | P   | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 517.434    | 2944.61 | 0.0057 | P   | 3.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.181    | 5556.99 | 0.0109 | P   | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 36.33   | 0.0001 | P   | 8.3  |

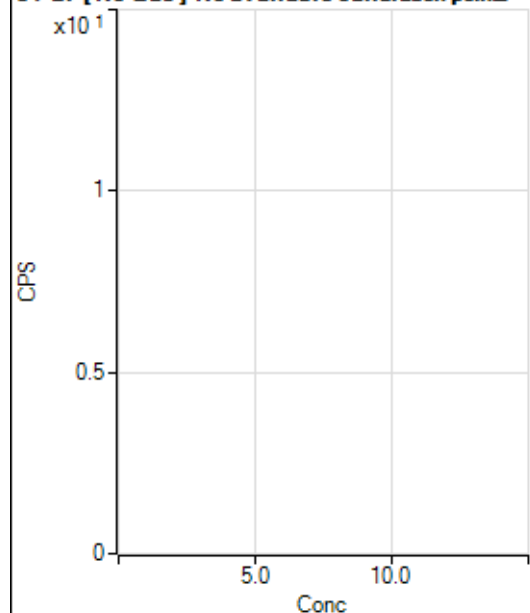
$$y = 1.0944\text{E-}005 * x + 6.8700\text{E-}005$$

$$R = 0.9998$$

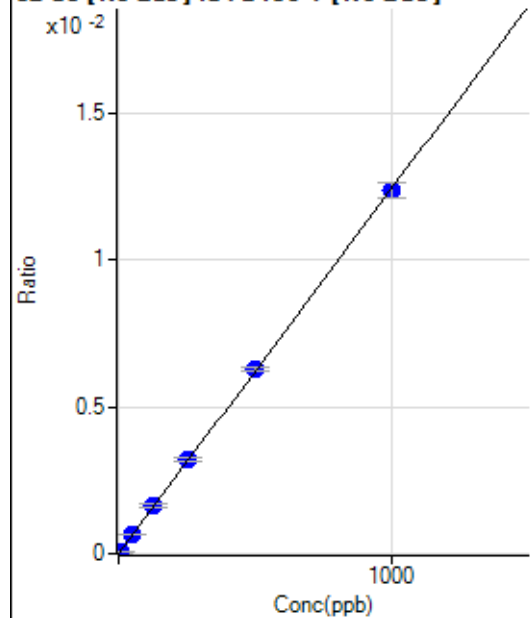
$$DL = 1.349$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1785.28 |       | P        | 15.4 |
| 2 | <input type="checkbox"/> |       |            | 1778.63 |       | P        | 11.8 |
| 3 | <input type="checkbox"/> |       |            | 2032.25 |       | P        | 7.3  |
| 4 | <input type="checkbox"/> |       |            | 1721.88 |       | P        | 3.6  |
| 5 | <input type="checkbox"/> |       |            | 1758.60 |       | P        | 8.3  |
| 6 | <input type="checkbox"/> |       |            | 1801.98 |       | P        | 7.8  |
| 7 | <input type="checkbox"/> |       |            | 1761.94 |       | P        | 12.3 |
| 8 | <input type="checkbox"/> |       |            | 1912.11 |       | P        | 10.0 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD   |
|---|--------------------------|----------|------------|----------|--------|----------|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | -49.35   | 0.0000 | P        | -122. |
| 2 | <input type="checkbox"/> | 5.000    | 5.281      | 235.11   | 0.0001 | P        | 3.9   |
| 3 | <input type="checkbox"/> | 50.000   | 51.892     | 2858.75  | 0.0006 | P        | 2.6   |
| 4 | <input type="checkbox"/> | 125.000  | 130.862    | 7291.70  | 0.0016 | P        | 5.5   |
| 5 | <input type="checkbox"/> | 250.000  | 258.120    | 14409.23 | 0.0032 | P        | 2.8   |
| 6 | <input type="checkbox"/> | 500.000  | 505.371    | 28304.07 | 0.0063 | P        | 1.5   |
| 7 | <input type="checkbox"/> | 1000.000 | 994.455    | 55473.80 | 0.0124 | P        | 4.2   |
| 8 | <input type="checkbox"/> |          |            | 130.50   | 0.0000 | P        | 41.4  |

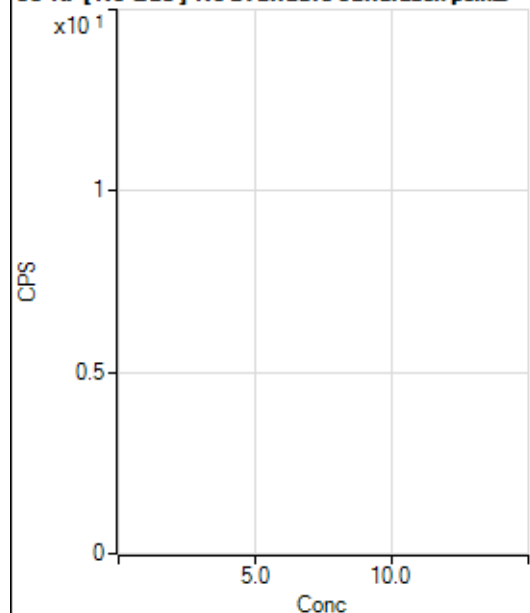
$$y = 1.2440E-005 * x - 1.1459E-005$$

$$R = 0.9999$$

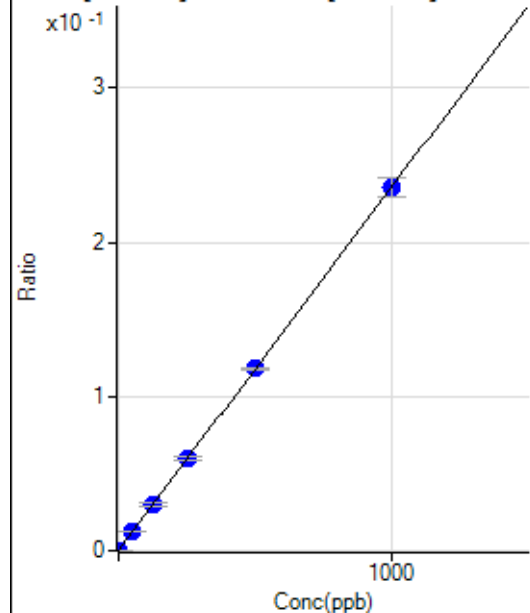
$$DL = 3.376$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 507.79 |       | P        | 9.3  |
| 2 | <input type="checkbox"/> |       |            | 523.35 |       | P        | 4.6  |
| 3 | <input type="checkbox"/> |       |            | 484.46 |       | P        | 8.3  |
| 4 | <input type="checkbox"/> |       |            | 491.12 |       | P        | 2.1  |
| 5 | <input type="checkbox"/> |       |            | 490.01 |       | P        | 8.9  |
| 6 | <input type="checkbox"/> |       |            | 491.12 |       | P        | 12.7 |
| 7 | <input type="checkbox"/> |       |            | 502.24 |       | P        | 12.4 |
| 8 | <input type="checkbox"/> |       |            | 474.46 |       | P        | 5.3  |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 761.15     | 0.0002 | P        | 1.6  |
| 2 | <input type="checkbox"/> | 1.000    | 0.969      | 1736.28    | 0.0004 | P        | 22.2 |
| 3 | <input type="checkbox"/> | 50.000   | 50.563     | 54498.27   | 0.0121 | P        | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 126.532    | 135188.61  | 0.0300 | P        | 6.1  |
| 5 | <input type="checkbox"/> | 250.000  | 254.227    | 270358.60  | 0.0600 | P        | 3.9  |
| 6 | <input type="checkbox"/> | 500.000  | 500.974    | 532943.43  | 0.1182 | P        | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.237    | 1055694.09 | 0.2353 | P        | 5.2  |
| 8 | <input type="checkbox"/> |          |            | 4225.74    | 0.0010 | P        | 4.4  |

$$y = 2.3550E-004 * x + 1.7711E-004$$

$$R = 1.0000$$

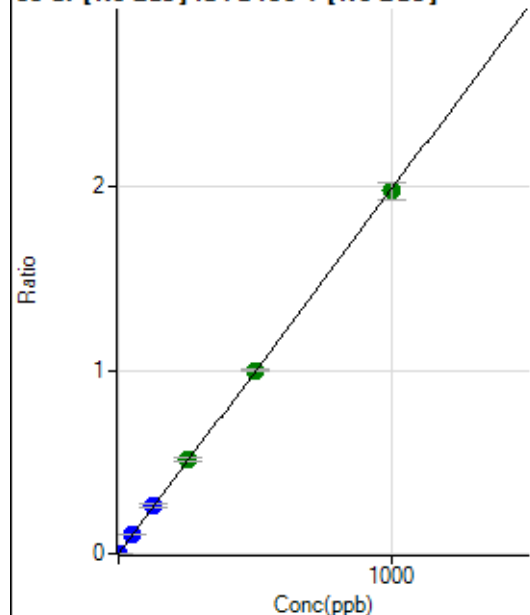
$$DL = 0.03544$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 325.02     | 0.0001 | P   | 12.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.027      | 9128.24    | 0.0021 | P   | 6.8  |
| 3 | <input type="checkbox"/> | 50.000   | 52.009     | 465977.37  | 0.1033 | P   | 0.5  |
| 4 | <input type="checkbox"/> | 125.000  | 130.917    | 1172588.88 | 0.2600 | P   | 6.2  |
| 5 | <input type="checkbox"/> | 250.000  | 259.349    | 2318466.33 | 0.5150 | A   | 4.5  |
| 6 | <input type="checkbox"/> | 500.000  | 503.625    | 4510466.90 | 1.0000 | A   | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.010    | 8866463.91 | 1.9756 | A   | 4.7  |
| 8 | <input type="checkbox"/> |          |            | 31725.34   | 0.0073 | P   | 1.7  |

$$y = 0.0020 * x + 7.5875E-005$$

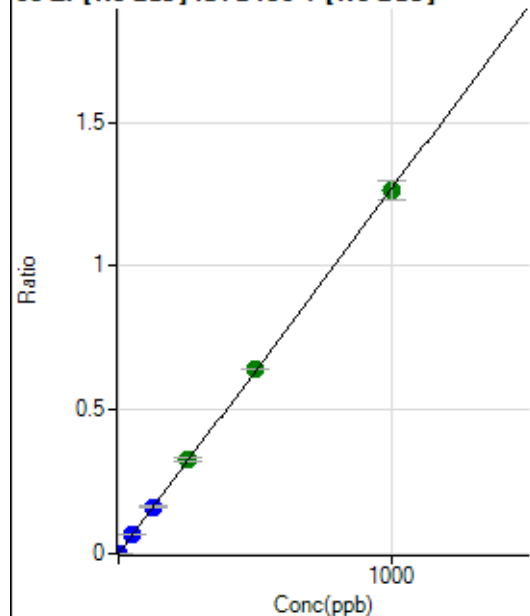
$$R = 0.9999$$

$$DL = 0.01421$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 180.56     | 0.0000 | P   | 30.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.927      | 5245.60    | 0.0012 | P   | 8.2  |
| 3 | <input type="checkbox"/> | 50.000   | 51.177     | 292798.94  | 0.0649 | P   | 1.7  |
| 4 | <input type="checkbox"/> | 125.000  | 128.642    | 735780.58  | 0.1632 | P   | 6.6  |
| 5 | <input type="checkbox"/> | 250.000  | 258.377    | 1475051.07 | 0.3277 | A   | 4.8  |
| 6 | <input type="checkbox"/> | 500.000  | 505.300    | 2890533.35 | 0.6408 | A   | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.742    | 5660346.05 | 1.2615 | A   | 5.3  |
| 8 | <input type="checkbox"/> |          |            | 9914.89    | 0.0023 | P   | 5.8  |

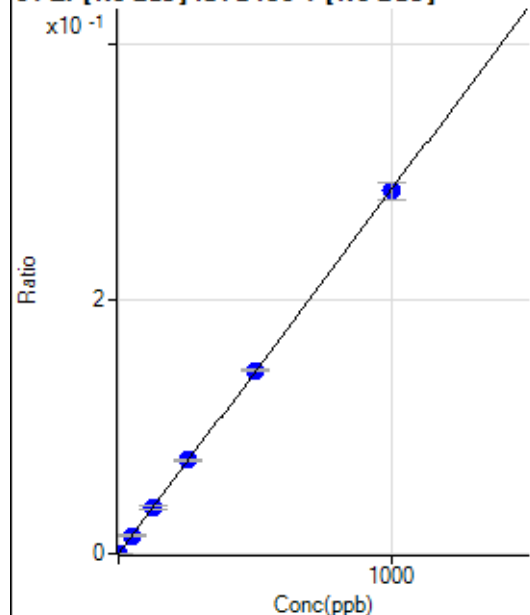
$$y = 0.0013 * x + 4.1597E-005$$

$$R = 0.9999$$

$$DL = 0.0298$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 41.67      | 0.0000 | P   | 58.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.957      | 1222.31    | 0.0003 | P   | 11.0 |
| 3 | <input type="checkbox"/> | 50.000   | 49.964     | 64519.24   | 0.0143 | P   | 2.8  |
| 4 | <input type="checkbox"/> | 125.000  | 126.035    | 162742.39  | 0.0361 | P   | 6.0  |
| 5 | <input type="checkbox"/> | 250.000  | 257.044    | 331349.84  | 0.0736 | P   | 3.1  |
| 6 | <input type="checkbox"/> | 500.000  | 503.453    | 649993.67  | 0.1441 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.385    | 1279878.15 | 0.2852 | P   | 4.8  |
| 8 | <input type="checkbox"/> |          |            | 2189.12    | 0.0005 | P   | 3.2  |

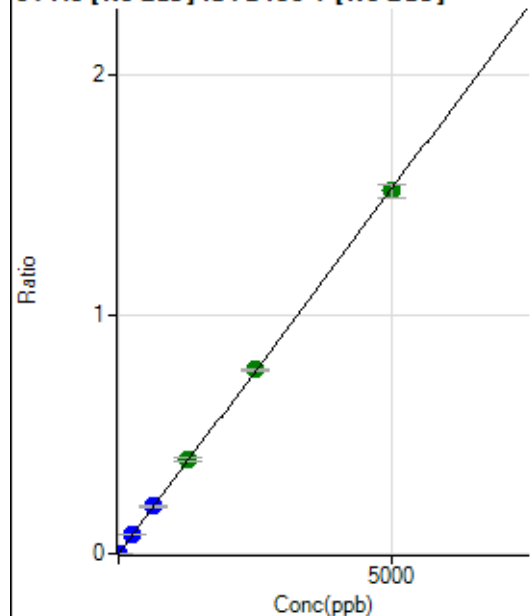
$$y = 2.8622\text{E-}004 * x + 9.8854\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.06028$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 66.67      | 0.0000 | P   | 53.4 |
| 2 | <input type="checkbox"/> | 5.000    | 5.344      | 7088.13    | 0.0016 | P   | 7.6  |
| 3 | <input type="checkbox"/> | 250.000  | 255.438    | 350929.38  | 0.0778 | P   | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 647.150    | 889239.65  | 0.1972 | P   | 5.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1290.035   | 1769270.83 | 0.3930 | A   | 4.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2524.297   | 3468312.92 | 0.7690 | A   | 1.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4974.802   | 6802238.52 | 1.5154 | A   | 4.1  |
| 8 | <input type="checkbox"/> |          |            | 15066.91   | 0.0035 | P   | 5.1  |

$$y = 3.0462\text{E-}004 * x + 1.5507\text{E-}005$$

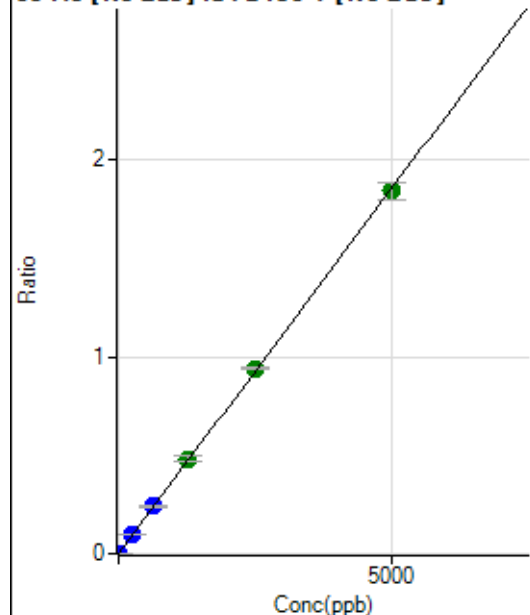
$$R = 0.9999$$

$$DL = 0.08161$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 19.44      | 0.0000 | P   | 50.5 |
| 2 | <input type="checkbox"/> | 5.000    | 5.306      | 8511.15    | 0.0020 | P   | 7.3  |
| 3 | <input type="checkbox"/> | 250.000  | 258.482    | 432406.08  | 0.0959 | P   | 0.5  |
| 4 | <input type="checkbox"/> | 625.000  | 647.419    | 1083503.00 | 0.2402 | P   | 5.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1301.151   | 2173055.08 | 0.4827 | A   | 4.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2528.943   | 4231560.38 | 0.9382 | A   | 1.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 4969.514   | 8273647.58 | 1.8435 | A   | 4.6  |
| 8 | <input type="checkbox"/> |          |            | 19219.29   | 0.0044 | P   | 4.8  |

$$y = 3.7097E-004 * x + 4.5489E-006$$

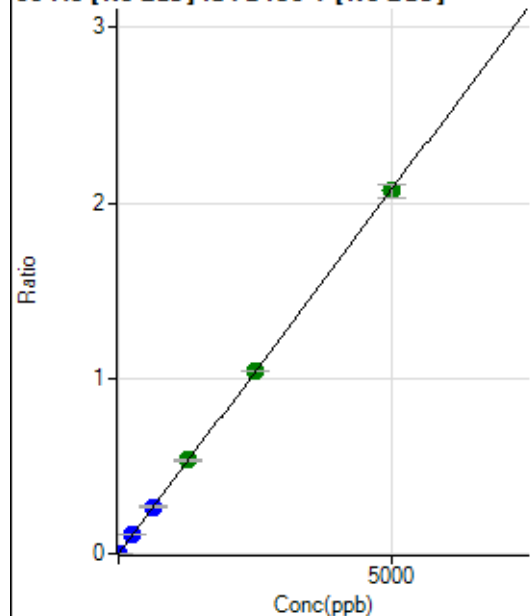
$$R = 0.9999$$

$$DL = 0.01859$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.11      | 0.0000 | P   | 26.1 |
| 2 | <input type="checkbox"/> | 5.000    | 5.422      | 9753.69    | 0.0023 | P   | 11.5 |
| 3 | <input type="checkbox"/> | 250.000  | 254.279    | 476115.16  | 0.1056 | P   | 0.5  |
| 4 | <input type="checkbox"/> | 625.000  | 643.121    | 1204693.84 | 0.2670 | P   | 5.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1285.822   | 2404051.01 | 0.5338 | A   | 3.1  |
| 6 | <input type="checkbox"/> | 2500.000 | 2510.762   | 4701803.84 | 1.0424 | A   | 0.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 4983.184   | 9286605.85 | 2.0689 | A   | 4.0  |
| 8 | <input type="checkbox"/> |          |            | 21622.88   | 0.0050 | P   | 2.8  |

$$y = 4.1517E-004 * x + 1.4344E-005$$

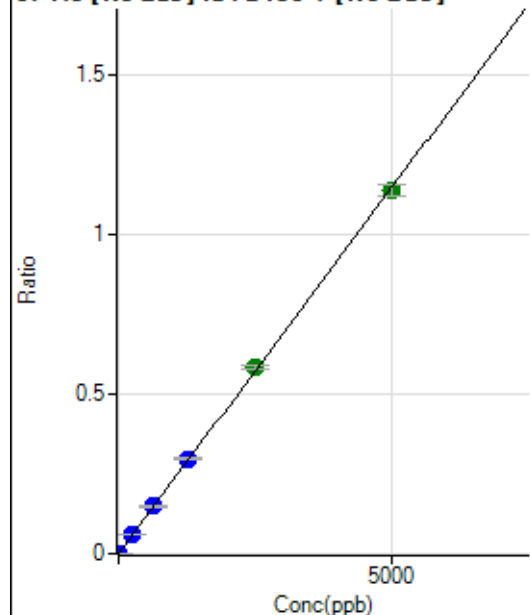
$$R = 1.0000$$

$$DL = 0.02706$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 27.78      | 0.0000 | P    | 72.1 |
| 2 | <input type="checkbox"/> | 5.000    | 5.312      | 5284.51    | 0.0012 | P    | 9.7  |
| 3 | <input type="checkbox"/> | 250.000  | 257.621    | 266732.42  | 0.0592 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 625.000  | 647.985    | 671156.98  | 0.1488 | P    | 5.3  |
| 5 | <input type="checkbox"/> | 1250.000 | 1300.361   | 1344385.86 | 0.2986 | P    | 3.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2550.480   | 2641006.94 | 0.5856 | A    | 1.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 4958.915   | 5111583.19 | 1.1385 | A    | 3.2  |
| 8 | <input type="checkbox"/> |          |            | 12102.85   | 0.0028 | P    | 6.3  |

$$y = 2.2959E-004 * x + 6.4074E-006$$

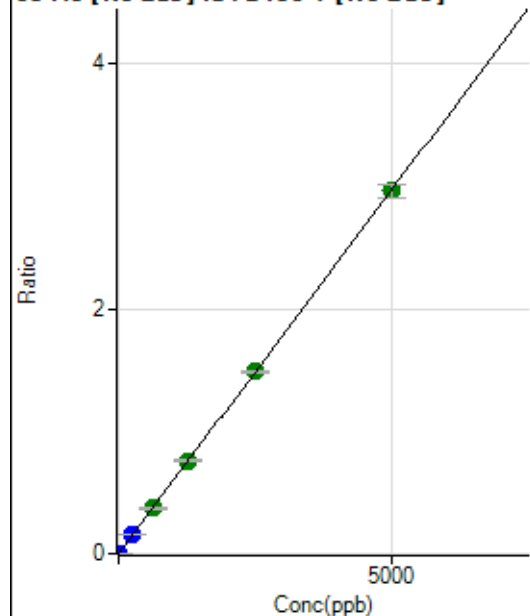
$$R = 0.9999$$

$$DL = 0.06041$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 22.22       | 0.0000 | P    | 25.1 |
| 2 | <input type="checkbox"/> | 5.000    | 5.295      | 13593.10    | 0.0032 | P    | 7.0  |
| 3 | <input type="checkbox"/> | 250.000  | 256.148    | 686158.02   | 0.1522 | P    | 0.8  |
| 4 | <input type="checkbox"/> | 625.000  | 631.814    | 1693674.82  | 0.3753 | A    | 4.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1275.056   | 3411489.27  | 0.7574 | A    | 2.5  |
| 6 | <input type="checkbox"/> | 2500.000 | 2505.098   | 6712389.39  | 1.4881 | A    | 0.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 4990.028   | 13306169.57 | 2.9643 | A    | 3.9  |
| 8 | <input type="checkbox"/> |          |            | 30946.22    | 0.0071 | P    | 3.3  |

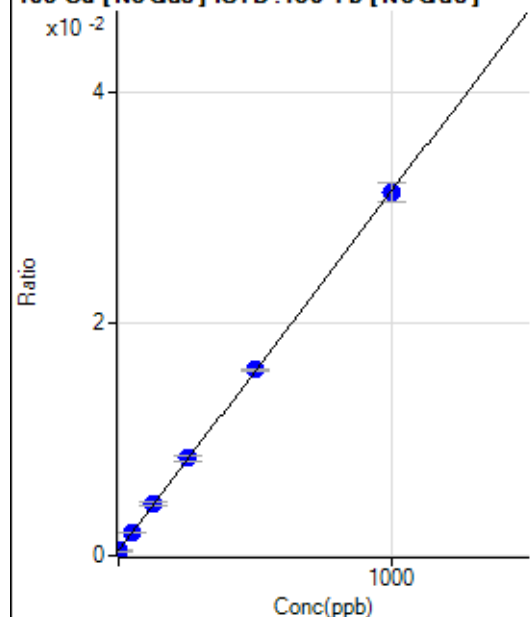
$$y = 5.9404E-004 * x + 5.2076E-006$$

$$R = 1.0000$$

$$DL = 0.006596$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1094.52  | 0.0004 | P   | 7.1  |
| 2 | <input type="checkbox"/> | 1.000    | -0.966     | 1019.51  | 0.0004 | P   | 6.1  |
| 3 | <input type="checkbox"/> | 50.000   | 51.655     | 5492.92  | 0.0020 | P   | 3.4  |
| 4 | <input type="checkbox"/> | 125.000  | 130.457    | 12116.75 | 0.0045 | P   | 6.7  |
| 5 | <input type="checkbox"/> | 250.000  | 258.087    | 22824.91 | 0.0084 | P   | 6.7  |
| 6 | <input type="checkbox"/> | 500.000  | 503.505    | 44427.62 | 0.0160 | P   | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.463    | 84980.77 | 0.0313 | P   | 5.1  |
| 8 | <input type="checkbox"/> |          |            | 1136.19  | 0.0004 | P   | 15.8 |

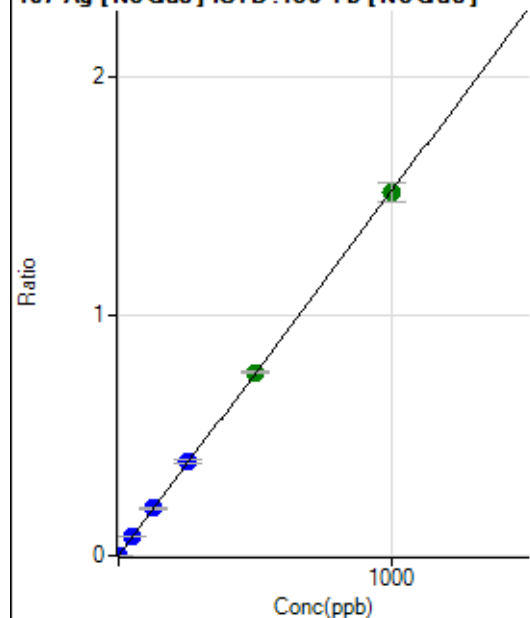
$$y = 3.0980\text{E-}005 * x + 4.2073\text{E-}004$$

$$R = 0.9999$$

$$DL = 2.895$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 38.89      | 0.0000 | P   | 70.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.014      | 4042.36    | 0.0016 | P   | 8.0  |
| 3 | <input type="checkbox"/> | 50.000   | 52.053     | 215349.12  | 0.0792 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 130.708    | 540299.72  | 0.1989 | P   | 5.8  |
| 5 | <input type="checkbox"/> | 250.000  | 260.059    | 1073738.63 | 0.3957 | P   | 4.0  |
| 6 | <input type="checkbox"/> | 500.000  | 502.735    | 2121540.80 | 0.7650 | A   | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.302    | 4117024.31 | 1.5145 | A   | 5.2  |
| 8 | <input type="checkbox"/> |          |            | 6818.56    | 0.0026 | P   | 6.3  |

$$y = 0.0015 * x + 1.5315\text{E-}005$$

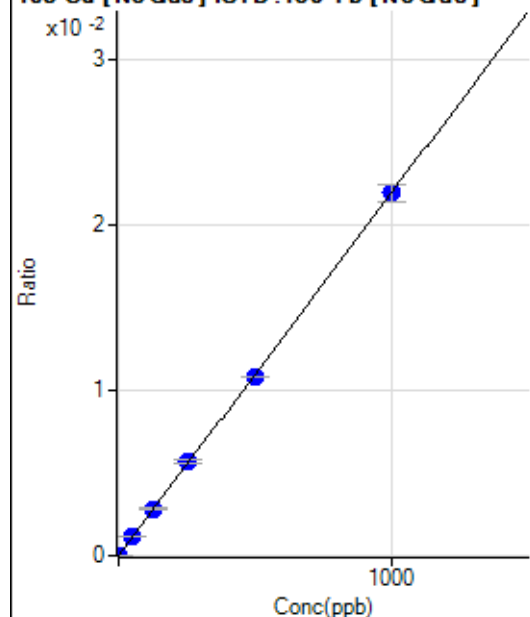
$$R = 0.9999$$

$$DL = 0.02122$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.33     | 0.0000 | P   | 54.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.324      | 84.72    | 0.0000 | P   | 29.1 |
| 3 | <input type="checkbox"/> | 50.000   | 50.713     | 3032.32  | 0.0011 | P   | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 129.452    | 7721.68  | 0.0028 | P   | 5.4  |
| 5 | <input type="checkbox"/> | 250.000  | 261.320    | 15560.27 | 0.0057 | P   | 3.7  |
| 6 | <input type="checkbox"/> | 500.000  | 493.564    | 30031.27 | 0.0108 | P   | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.796    | 59618.30 | 0.0219 | P   | 5.1  |
| 8 | <input type="checkbox"/> |          |            | 133.34   | 0.0001 | P   | 5.4  |

$$y = 2.1932E-005 * x + 3.2617E-006$$

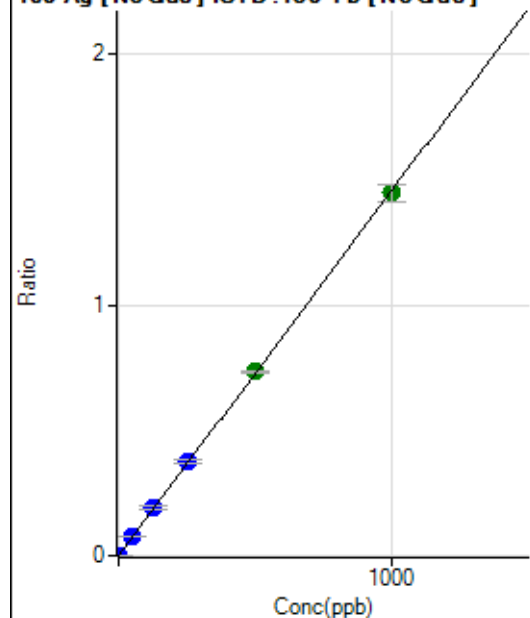
$$R = 0.9999$$

$$DL = 0.2426$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 44.45      | 0.0000 | P   | 75.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.030      | 3925.67    | 0.0015 | P   | 10.4 |
| 3 | <input type="checkbox"/> | 50.000   | 52.052     | 205760.77  | 0.0757 | P   | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 131.016    | 517342.68  | 0.1905 | P   | 6.4  |
| 5 | <input type="checkbox"/> | 250.000  | 258.031    | 1017888.62 | 0.3752 | P   | 4.1  |
| 6 | <input type="checkbox"/> | 500.000  | 504.929    | 2035915.17 | 0.7341 | A   | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.673    | 3932014.20 | 1.4462 | A   | 4.6  |
| 8 | <input type="checkbox"/> |          |            | 6562.84    | 0.0025 | P   | 4.3  |

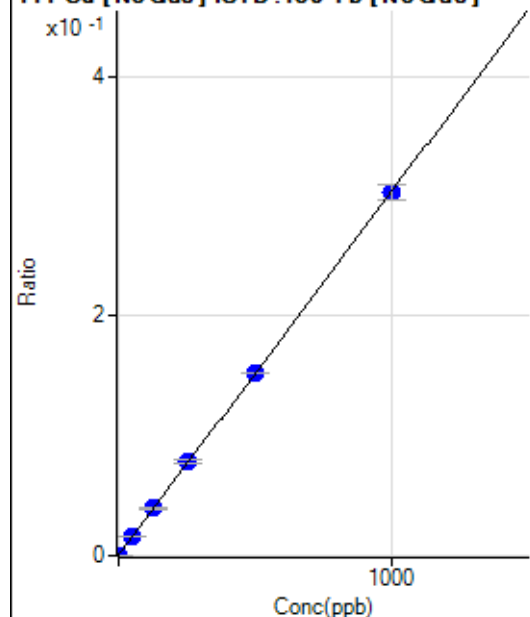
$$y = 0.0015 * x + 1.7033E-005$$

$$R = 0.9999$$

$$DL = 0.02652$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 827.00    | 0.0003 | P   | 5.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.914      | 1547.45   | 0.0006 | P   | 4.6 |
| 3 | <input type="checkbox"/> | 50.000   | 51.908     | 43673.55  | 0.0161 | P   | 1.0 |
| 4 | <input type="checkbox"/> | 125.000  | 130.139    | 108135.70 | 0.0398 | P   | 5.3 |
| 5 | <input type="checkbox"/> | 250.000  | 259.654    | 214595.80 | 0.0791 | P   | 4.2 |
| 6 | <input type="checkbox"/> | 500.000  | 500.855    | 422301.07 | 0.1523 | P   | 0.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 996.421    | 822891.58 | 0.3026 | P   | 4.3 |
| 8 | <input type="checkbox"/> |          |            | 2028.47   | 0.0008 | P   | 6.4 |

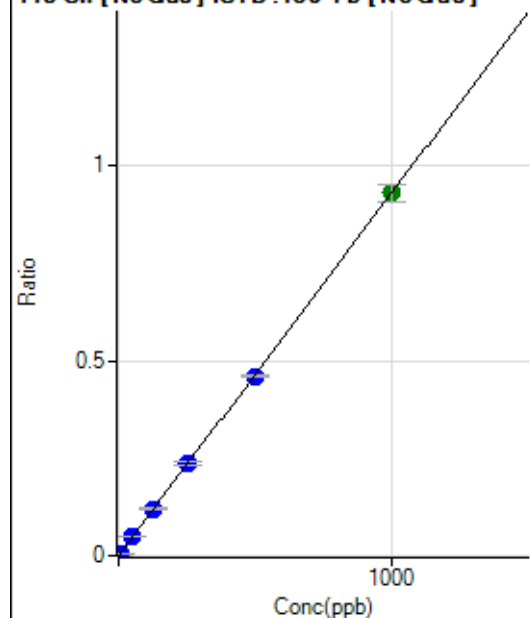
$$y = 3.0340E-004 * x + 3.1805E-004$$

$$R = 0.9999$$

$$DL = 0.1822$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 205.56     | 0.0001 | P   | 38.3 |
| 2 | <input type="checkbox"/> | 5.000    | 5.028      | 12364.19   | 0.0048 | P   | 2.6  |
| 3 | <input type="checkbox"/> | 50.000   | 50.611     | 128134.90  | 0.0471 | P   | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 128.866    | 325685.11  | 0.1199 | P   | 5.8  |
| 5 | <input type="checkbox"/> | 250.000  | 256.422    | 647023.47  | 0.2385 | P   | 4.3  |
| 6 | <input type="checkbox"/> | 500.000  | 494.629    | 1275526.93 | 0.4600 | P   | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.566   | 2529418.76 | 0.9304 | A   | 4.8  |
| 8 | <input type="checkbox"/> |          |            | 5662.44    | 0.0022 | P   | 1.8  |

$$y = 9.2975E-004 * x + 8.0189E-005$$

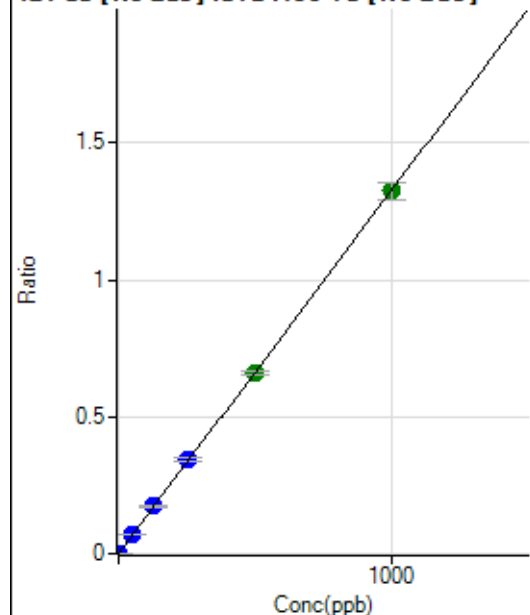
$$R = 1.0000$$

$$DL = 0.09912$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 16.67      | 0.0000 | P   | 48.9 |
| 2 | <input type="checkbox"/> | 2.000    | 2.068      | 7135.40    | 0.0028 | P   | 8.8  |
| 3 | <input type="checkbox"/> | 50.000   | 51.197     | 184719.40  | 0.0680 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 130.238    | 469405.62  | 0.1729 | P   | 6.6  |
| 5 | <input type="checkbox"/> | 250.000  | 258.347    | 930376.96  | 0.3429 | P   | 3.7  |
| 6 | <input type="checkbox"/> | 500.000  | 496.950    | 1828919.70 | 0.6595 | A   | 1.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.723    | 3603769.48 | 1.3255 | A   | 4.9  |
| 8 | <input type="checkbox"/> |          |            | 8060.93    | 0.0031 | P   | 1.1  |

$$y = 0.0013 * x + 6.4329E-006$$

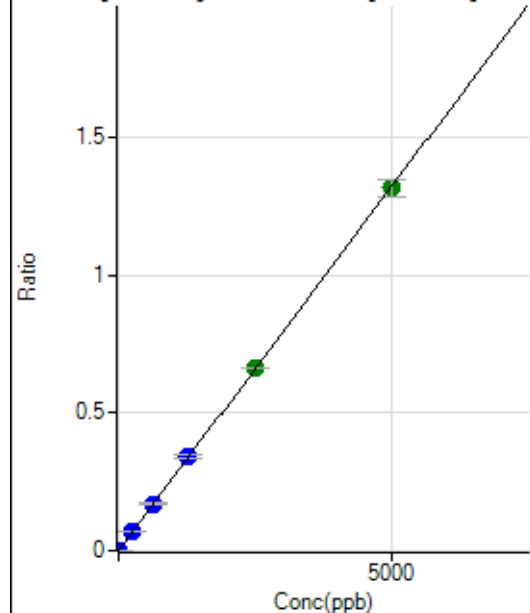
$$R = 0.9999$$

$$DL = 0.007108$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 63.89      | 0.0000 | P   | 10.9 |
| 2 | <input type="checkbox"/> | 10.000   | 10.119     | 6993.63    | 0.0027 | P   | 7.5  |
| 3 | <input type="checkbox"/> | 250.000  | 253.157    | 181630.33  | 0.0668 | P   | 1.4  |
| 4 | <input type="checkbox"/> | 625.000  | 647.167    | 463766.37  | 0.1708 | P   | 6.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1288.352   | 922389.45  | 0.3400 | P   | 4.1  |
| 6 | <input type="checkbox"/> | 2500.000 | 2505.421   | 1833399.61 | 0.6611 | A   | 0.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4984.772   | 3576168.66 | 1.3153 | A   | 4.5  |
| 8 | <input type="checkbox"/> |          |            | 11621.91   | 0.0044 | P   | 3.5  |

$$y = 2.6385E-004 * x + 2.4685E-005$$

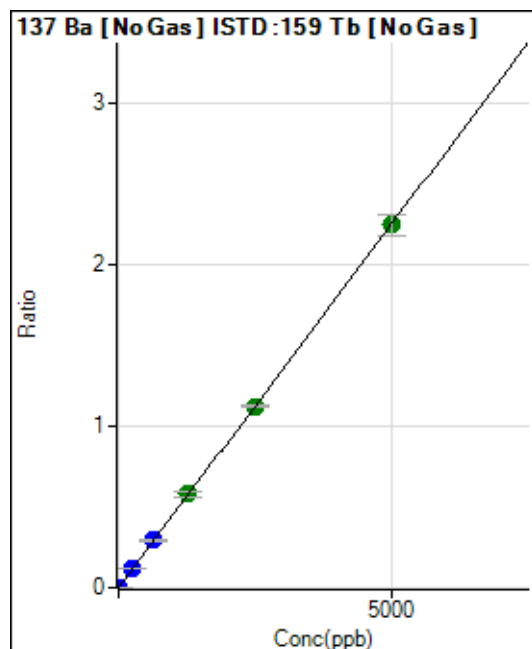
$$R = 1.0000$$

$$DL = 0.03046$$

Weight: &lt;None&gt;

Min Conc: 0





|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 66.67      | 0.0000 | P   | 21.2 |
| 2 | <input type="checkbox"/> | 10.000   | 10.629     | 12483.87   | 0.0048 | P   | 7.6  |
| 3 | <input type="checkbox"/> | 250.000  | 255.520    | 312762.71  | 0.1151 | P   | 1.0  |
| 4 | <input type="checkbox"/> | 625.000  | 652.713    | 798013.55  | 0.2939 | P   | 6.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1283.878   | 1568096.18 | 0.5780 | A   | 4.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2496.538   | 3116930.47 | 1.1239 | A   | 0.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4989.520   | 6105552.22 | 2.2462 | A   | 5.7  |
| 8 | <input type="checkbox"/> |          |            | 19915.13   | 0.0076 | P   | 0.8  |

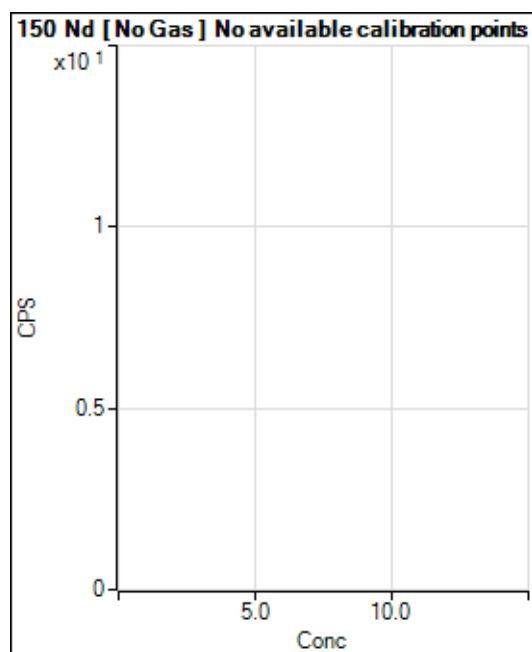
$$y = 4.5019E-004 * x + 2.5539E-005$$

$$R = 1.0000$$

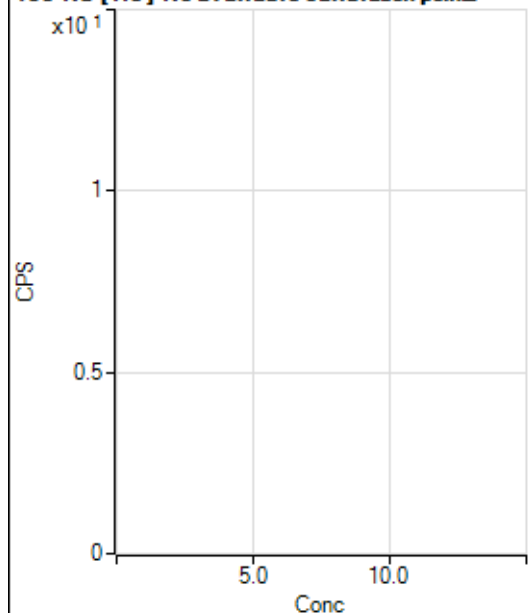
$$DL = 0.0361$$

Weight: <None>

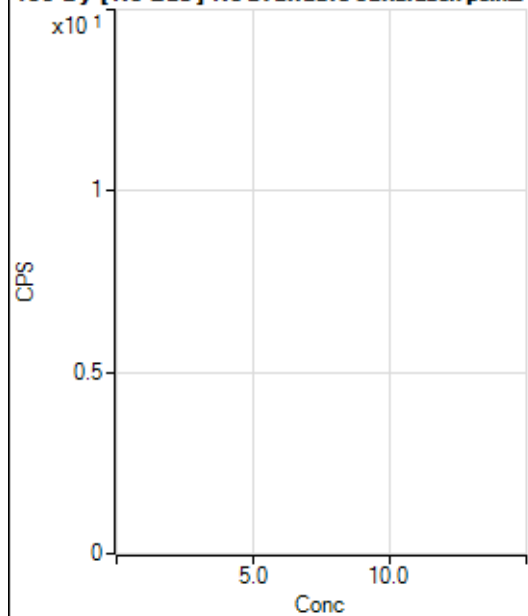
Min Conc: 0



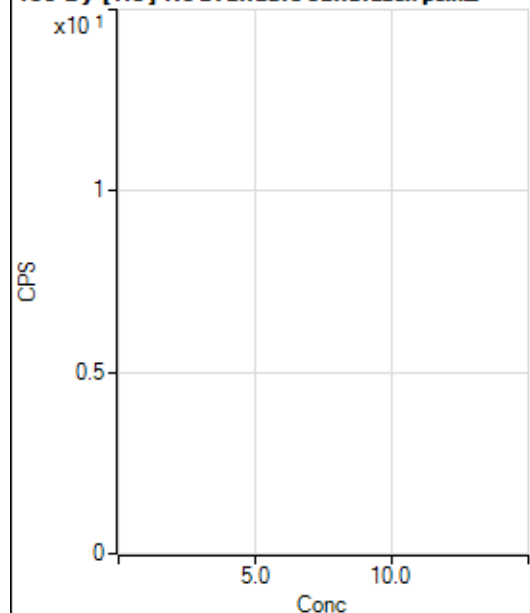
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det | RSD   |
|---|--------------------------|-------|------------|--------|-------|-----|-------|
| 1 | <input type="checkbox"/> |       |            | 0.00   |       | P   |       |
| 2 | <input type="checkbox"/> |       |            | 4.45   |       | P   | 86.6  |
| 3 | <input type="checkbox"/> |       |            | 13.33  |       | P   | 132.3 |
| 4 | <input type="checkbox"/> |       |            | 13.33  |       | P   | 86.6  |
| 5 | <input type="checkbox"/> |       |            | 53.33  |       | P   | 12.5  |
| 6 | <input type="checkbox"/> |       |            | 62.22  |       | P   | 16.4  |
| 7 | <input type="checkbox"/> |       |            | 122.23 |       | P   | 27.5  |
| 8 | <input type="checkbox"/> |       |            | 46.67  |       | P   | 24.7  |

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

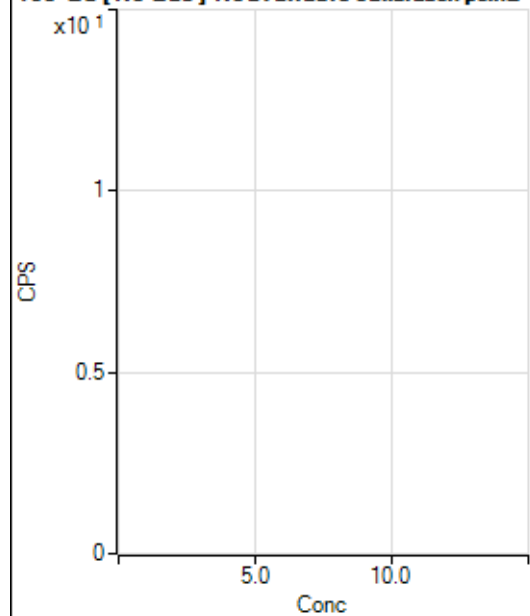
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|-------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173.2 |
| 2 | <input type="checkbox"/> |       |            | 0.00  |       | P        |       |
| 3 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6  |
| 4 | <input type="checkbox"/> |       |            | 0.00  |       | P        |       |
| 5 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 43.4  |
| 6 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173.2 |
| 7 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 34.6  |
| 8 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 31.5  |

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

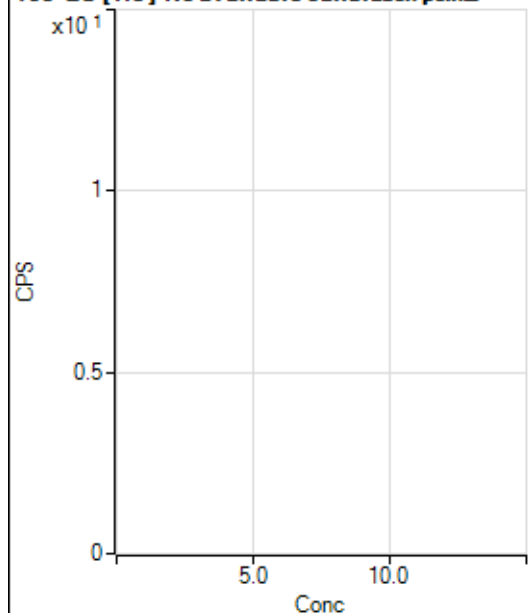
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 2.78   |       | P        | 173.2 |
| 2 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 43.3  |
| 3 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 50.0  |
| 4 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 86.6  |
| 5 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 48.0  |
| 6 | <input type="checkbox"/> |       |            | 19.44  |       | P        | 65.5  |
| 7 | <input type="checkbox"/> |       |            | 69.45  |       | P        | 79.9  |
| 8 | <input type="checkbox"/> |       |            | 163.89 |       | P        | 42.3  |

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

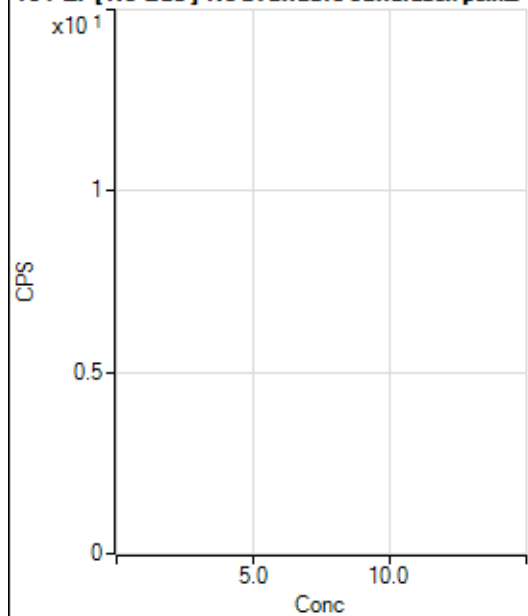
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|-------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P        |       |
| 2 | <input type="checkbox"/> |       |            | 0.00  |       | P        |       |
| 3 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6  |
| 4 | <input type="checkbox"/> |       |            | 5.55  |       | P        | 124.9 |
| 5 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 78.1  |
| 6 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 100.0 |
| 7 | <input type="checkbox"/> |       |            | 23.33 |       | P        | 51.5  |
| 8 | <input type="checkbox"/> |       |            | 87.78 |       | P        | 2.2   |

**160 Gd [No Gas] Noavailable calibration poin...**

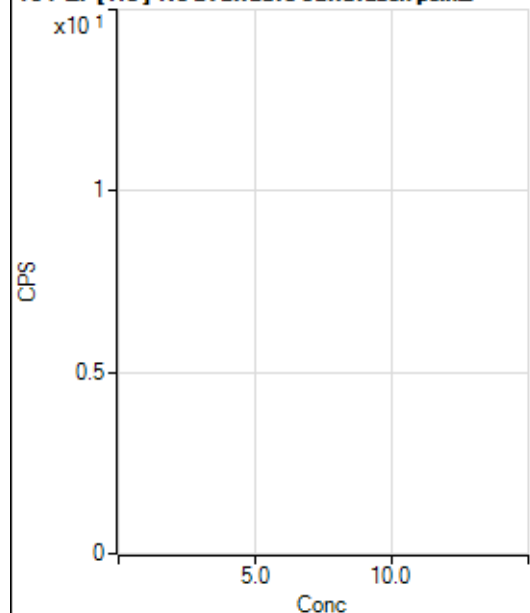
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 100.0 |
| 2 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 43.3  |
| 3 | <input type="checkbox"/> |       |            | 30.55  |       | P        | 68.6  |
| 4 | <input type="checkbox"/> |       |            | 30.56  |       | P        | 41.7  |
| 5 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 48.0  |
| 6 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 31.5  |
| 7 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 20.8  |
| 8 | <input type="checkbox"/> |       |            | 208.34 |       | P        | 13.9  |

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

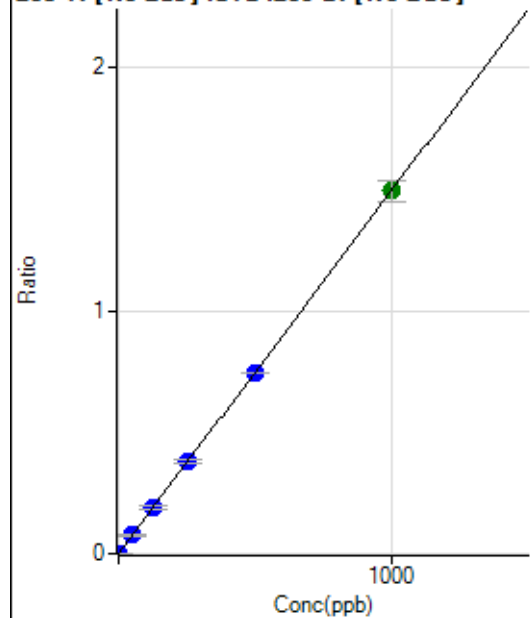
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100.1 |
| 2 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 50.0  |
| 3 | <input type="checkbox"/> |       |            | 7.78   |       | P        | 65.5  |
| 4 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 57.3  |
| 5 | <input type="checkbox"/> |       |            | 14.44  |       | P        | 53.3  |
| 6 | <input type="checkbox"/> |       |            | 25.56  |       | P        | 37.7  |
| 7 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 10.0  |
| 8 | <input type="checkbox"/> |       |            | 104.45 |       | P        | 6.6   |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|-------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 50.0  |
| 2 | <input type="checkbox"/> |       |            | 13.89 |       | P        | 69.3  |
| 3 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 173.2 |
| 4 | <input type="checkbox"/> |       |            | 19.44 |       | P        | 99.0  |
| 5 | <input type="checkbox"/> |       |            | 19.44 |       | P        | 65.5  |
| 6 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 33.3  |
| 7 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 50.0  |
| 8 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 33.3  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|-------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6  |
| 2 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100.1 |
| 3 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7  |
| 4 | <input type="checkbox"/> |       |            | 5.55  |       | P        | 69.3  |
| 5 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 57.8  |
| 6 | <input type="checkbox"/> |       |            | 15.56 |       | P        | 32.7  |
| 7 | <input type="checkbox"/> |       |            | 14.44 |       | P        | 70.5  |
| 8 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 50.0  |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 208.34     | 0.0001 | P        | 13.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.952      | 2311.38    | 0.0016 | P        | 8.5  |
| 3 | <input type="checkbox"/> | 50.000   | 50.561     | 116520.12  | 0.0756 | P        | 1.7  |
| 4 | <input type="checkbox"/> | 125.000  | 126.763    | 295154.95  | 0.1894 | P        | 5.6  |
| 5 | <input type="checkbox"/> | 250.000  | 255.480    | 586396.71  | 0.3815 | P        | 3.1  |
| 6 | <input type="checkbox"/> | 500.000  | 497.817    | 1168335.25 | 0.7432 | P        | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.473    | 2289794.60 | 1.4920 | A        | 5.9  |
| 8 | <input type="checkbox"/> |          |            | 4478.67    | 0.0032 | P        | 11.1 |

$$y = 0.0015 * x + 1.3966E-004$$

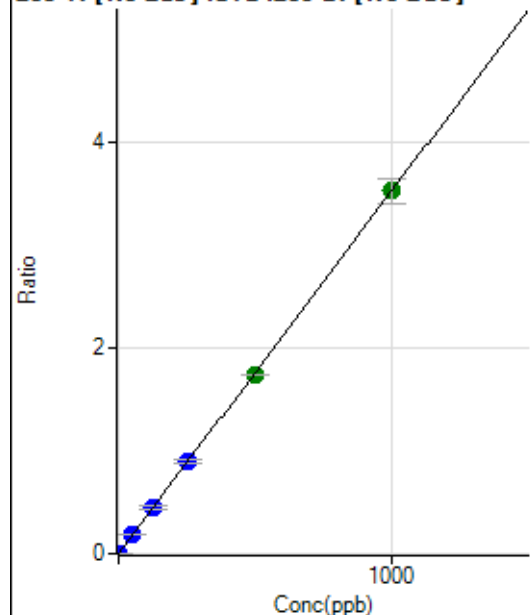
$$R = 1.0000$$

$$DL = 0.03765$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 472.24     | 0.0003 | P   | 3.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.952      | 5440.20    | 0.0037 | P   | 9.0 |
| 3 | <input type="checkbox"/> | 50.000   | 50.878     | 277129.78  | 0.1798 | P   | 1.7 |
| 4 | <input type="checkbox"/> | 125.000  | 127.290    | 700381.86  | 0.4494 | P   | 6.3 |
| 5 | <input type="checkbox"/> | 250.000  | 255.909    | 1388303.75 | 0.9032 | P   | 3.4 |
| 6 | <input type="checkbox"/> | 500.000  | 494.561    | 2743712.89 | 1.7452 | A   | 0.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.912   | 5417753.59 | 3.5318 | A   | 7.1 |
| 8 | <input type="checkbox"/> |          |            | 10682.47   | 0.0075 | P   | 5.0 |

$$y = 0.0035 * x + 3.1623E-004$$

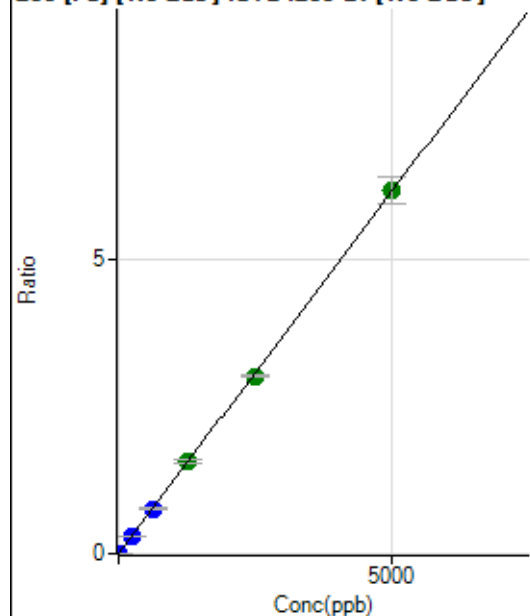
$$R = 1.0000$$

$$DL = 0.0103$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 438.90     | 0.0003 | P   | 4.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.005      | 2263.20    | 0.0015 | P   | 9.0 |
| 3 | <input type="checkbox"/> | 250.000  | 247.593    | 469790.81  | 0.3049 | P   | 1.8 |
| 4 | <input type="checkbox"/> | 625.000  | 620.183    | 1189508.04 | 0.7632 | P   | 5.8 |
| 5 | <input type="checkbox"/> | 1250.000 | 1275.905   | 2412371.84 | 1.5697 | A   | 4.0 |
| 6 | <input type="checkbox"/> | 2500.000 | 2456.550   | 4750631.07 | 3.0220 | A   | 1.0 |
| 7 | <input type="checkbox"/> | 5000.000 | 5015.971   | 9464431.35 | 6.1703 | A   | 7.4 |
| 8 | <input type="checkbox"/> |          |            | 22512.34   | 0.0158 | P   | 1.7 |

$$y = 0.0012 * x + 2.9370E-004$$

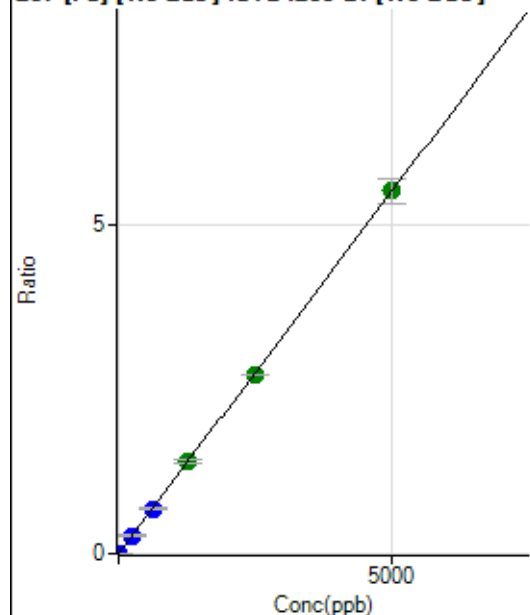
$$R = 0.9999$$

$$DL = 0.03404$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 438.91     | 0.0003 | P    | 14.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.945      | 1970.56    | 0.0013 | P    | 12.9 |
| 3 | <input type="checkbox"/> | 250.000  | 250.921    | 425455.96  | 0.2761 | P    | 2.6  |
| 4 | <input type="checkbox"/> | 625.000  | 623.846    | 1069373.36 | 0.6860 | P    | 5.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1266.960   | 2140839.21 | 1.3930 | A    | 3.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2466.589   | 4262905.01 | 2.7116 | A    | 0.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 5012.564   | 8454015.18 | 5.5102 | A    | 6.7  |
| 8 | <input type="checkbox"/> |          |            | 20332.92   | 0.0143 | P    | 2.1  |

$$y = 0.0011 * x + 2.9459E-004$$

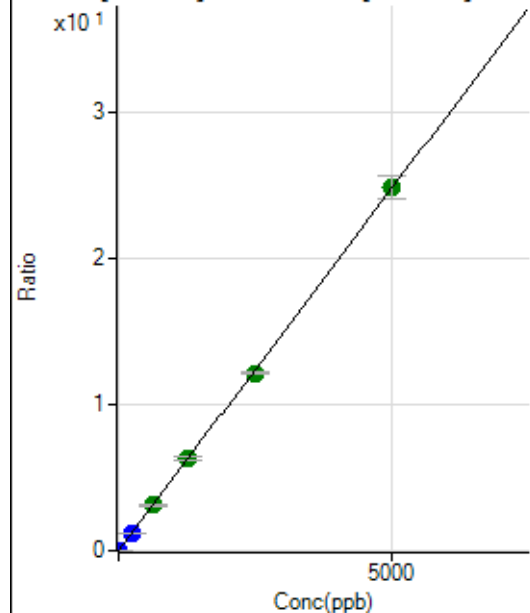
$$R = 1.0000$$

$$DL = 0.1135$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1855.65     | 0.0012  | P    | 4.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.961      | 8875.41     | 0.0060  | P    | 7.4 |
| 3 | <input type="checkbox"/> | 250.000  | 249.343    | 1903053.71  | 1.2350  | P    | 2.2 |
| 4 | <input type="checkbox"/> | 625.000  | 630.736    | 4865761.20  | 3.1221  | A    | 6.1 |
| 5 | <input type="checkbox"/> | 1250.000 | 1273.195   | 9683369.39  | 6.3010  | A    | 4.0 |
| 6 | <input type="checkbox"/> | 2500.000 | 2457.305   | 19116608.30 | 12.1599 | A    | 0.5 |
| 7 | <input type="checkbox"/> | 5000.000 | 5014.865   | 38075305.07 | 24.8147 | A    | 6.4 |
| 8 | <input type="checkbox"/> |          |            | 91345.25    | 0.0642  | P    | 0.8 |

$$y = 0.0049 * x + 0.0012$$

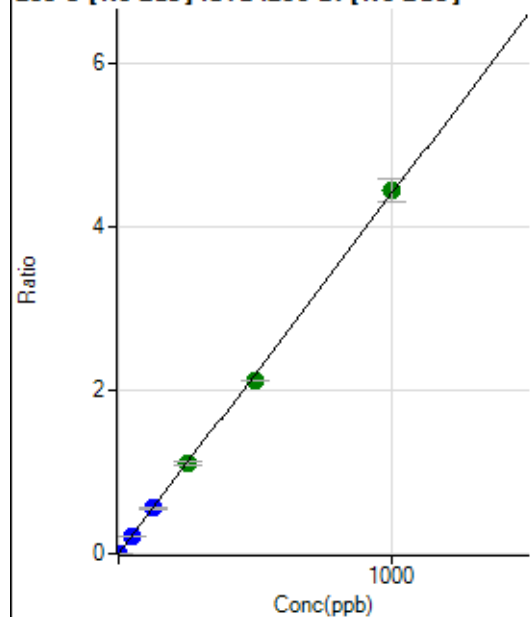
$$R = 0.9999$$

$$DL = 0.03109$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 136.12     | 0.0001 | P    | 4.9  |
| 2 | <input type="checkbox"/> | 1.000    | 0.959      | 6379.55    | 0.0043 | P    | 10.4 |
| 3 | <input type="checkbox"/> | 50.000   | 49.566     | 336578.06  | 0.2184 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 125.000  | 126.057    | 865540.10  | 0.5553 | P    | 6.0  |
| 5 | <input type="checkbox"/> | 250.000  | 252.669    | 1710019.83 | 1.1130 | A    | 5.1  |
| 6 | <input type="checkbox"/> | 500.000  | 481.287    | 3332834.67 | 2.1201 | A    | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.579   | 6817269.77 | 4.4427 | A    | 6.3  |
| 8 | <input type="checkbox"/> |          |            | 10932.75   | 0.0077 | P    | 0.9  |

$$y = 0.0044 * x + 9.1143E-005$$

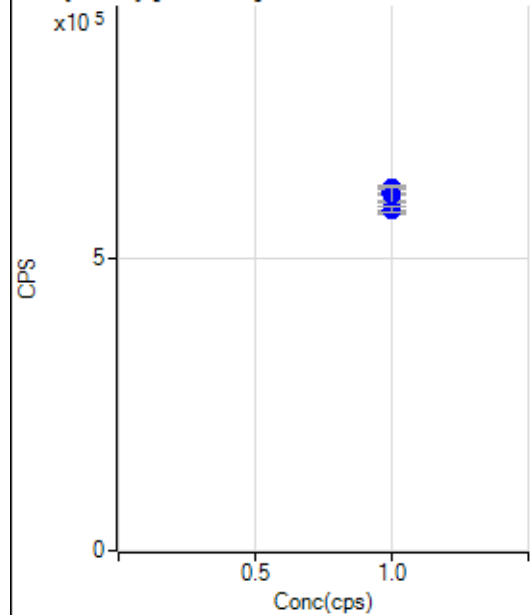
$$R = 0.9997$$

$$DL = 0.003024$$

Weight: &lt;None&gt;

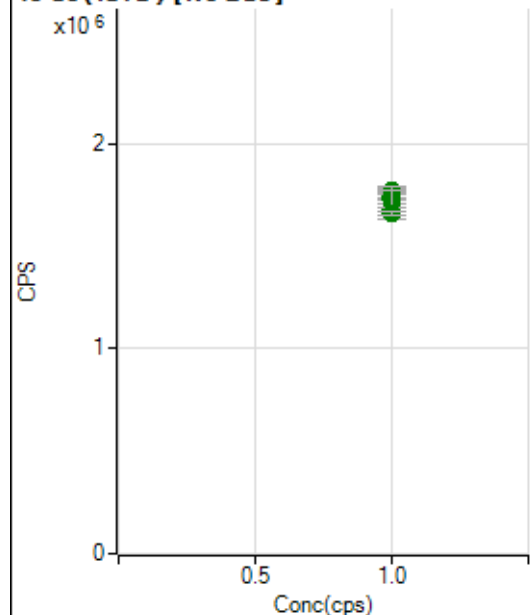
Min Conc: 0

6 Li (ISTD) [No Gas]

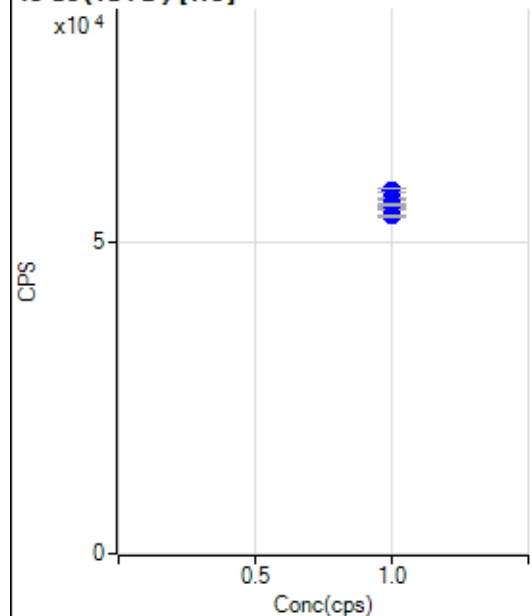


|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS       | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-----------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 595565.93 |       | P    | 4.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 594479.95 |       | P    | 6.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 616125.69 |       | P    | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 611116.60 |       | P    | 3.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 608034.34 |       | P    | 3.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 620789.22 |       | P    | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 609385.49 |       | P    | 4.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 583395.59 |       | P    | 1.6 |

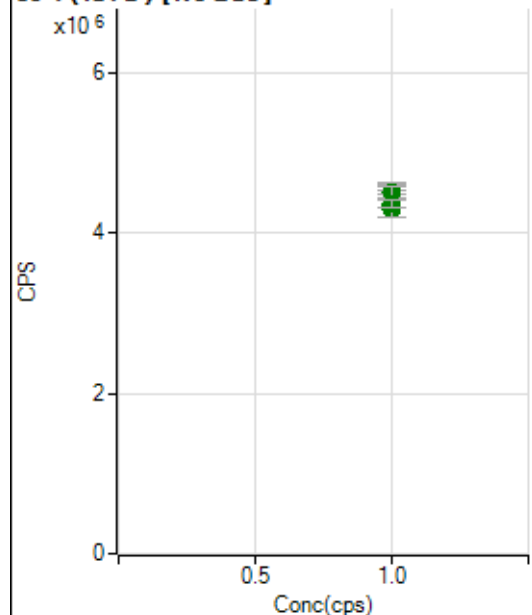


**45 Sc (ISTD) [No Gas]**

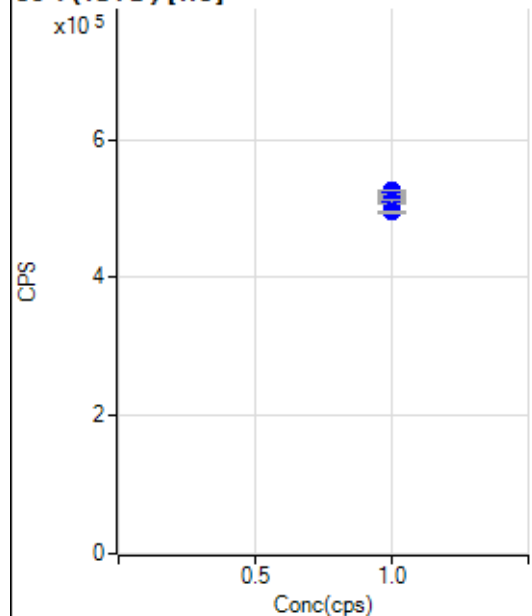
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1684573.60 |       | A        | 5.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1682466.00 |       | A        | 5.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1753012.27 |       | A        | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1748315.68 |       | A        | 4.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1730851.17 |       | A        | 4.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1770619.61 |       | A        | 2.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1731992.77 |       | A        | 5.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1658567.91 |       | A        | 1.0 |

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

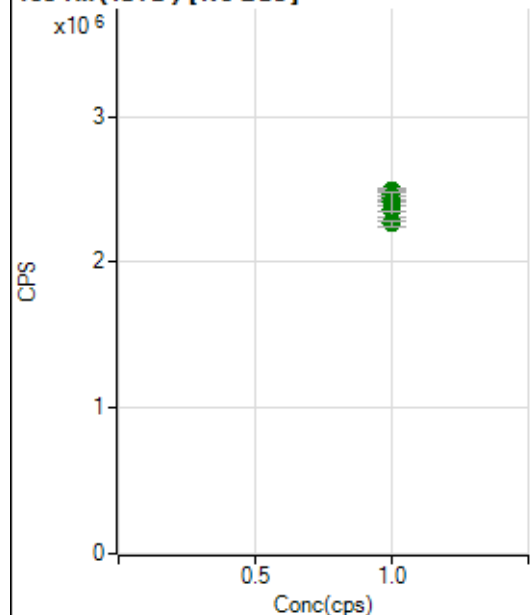
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 55929.52 |       | P        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 57050.40 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 57997.54 |       | P        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 58290.79 |       | P        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 57111.84 |       | P        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 56047.82 |       | P        | 2.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 56155.59 |       | P        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 54254.11 |       | P        | 0.8 |

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

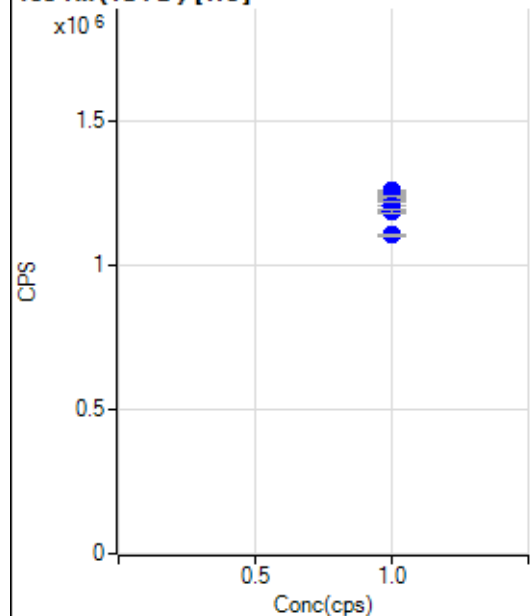
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4297854.87 |       | A        | 5.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4327440.70 |       | A        | 6.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4509448.61 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4519165.77 |       | A        | 5.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4506656.39 |       | A        | 3.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4510815.59 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4493320.52 |       | A        | 3.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4361328.79 |       | A        | 2.5 |

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

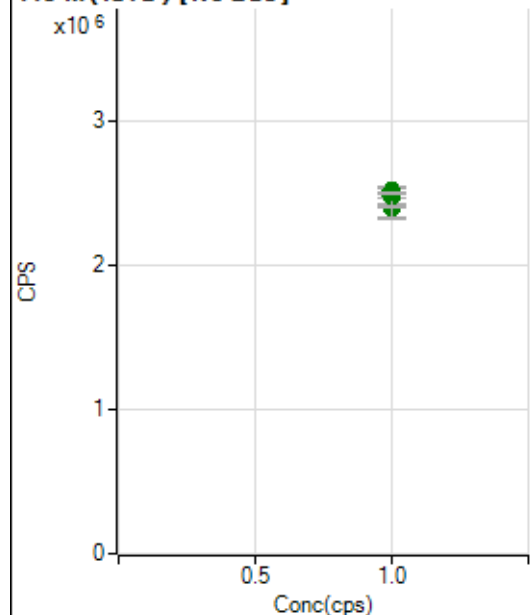
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 509363.23 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 517140.46 |       | P        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 525699.30 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 522961.98 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 523974.33 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 514079.80 |       | P        | 3.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 509538.10 |       | P        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 494770.65 |       | P        | 0.5 |

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

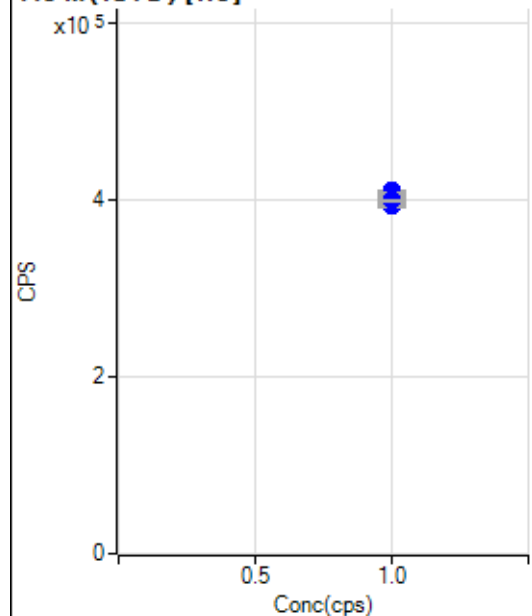
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2360179.74 |       | A        | 4.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2381952.57 |       | A        | 5.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2489439.58 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2469433.98 |       | A        | 2.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2437776.23 |       | A        | 4.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2453402.03 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2414351.29 |       | A        | 5.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2267802.59 |       | A        | 1.7 |

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

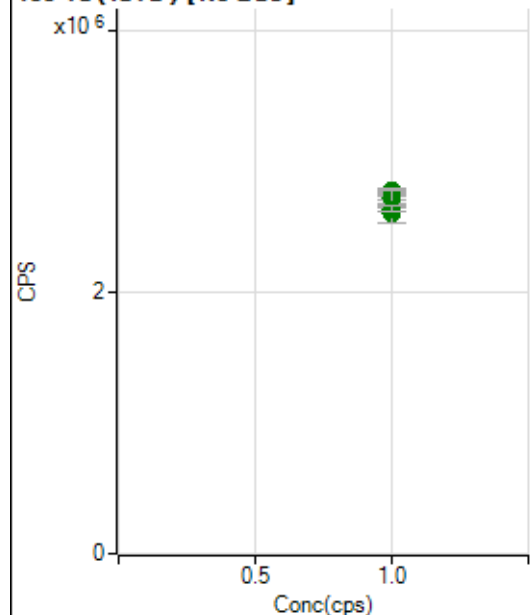
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1214637.40 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1227873.84 |       | P        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1255364.75 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1245517.27 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1235601.81 |       | P        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1201745.65 |       | P        | 2.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1184990.30 |       | P        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1103995.55 |       | P        | 0.5 |

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

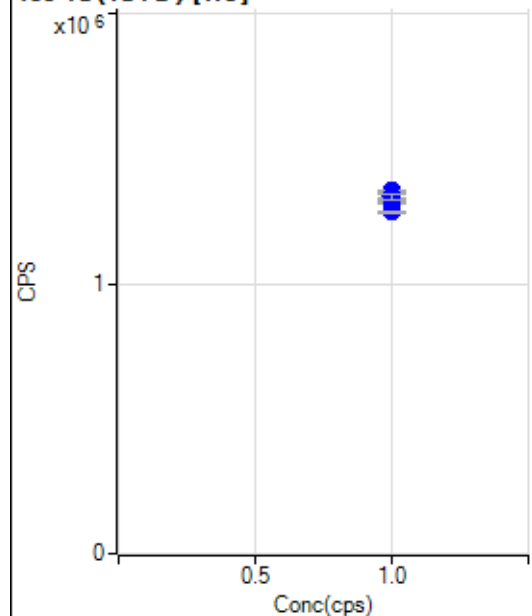
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2397665.27 |       | A        | 5.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2393136.43 |       | A        | 5.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2513676.20 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2473434.08 |       | A        | 5.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2476562.39 |       | A        | 4.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2500810.35 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2474257.73 |       | A        | 6.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2499392.04 |       | A        | 0.8 |

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

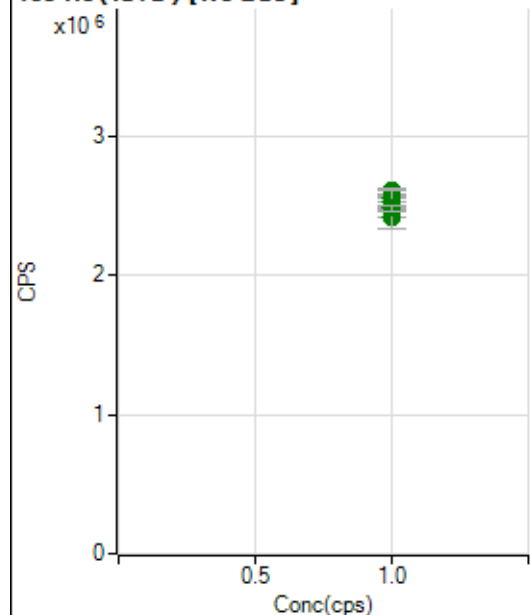
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 398599.10 |       | P        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 401524.35 |       | P        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 409849.26 |       | P        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 407799.36 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 405944.18 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 400246.04 |       | P        | 2.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 392225.39 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 399280.38 |       | P        | 0.3 |

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

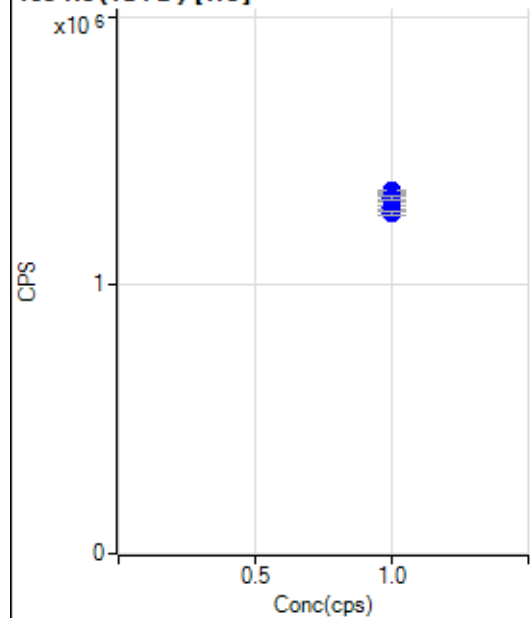
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2595736.40 |       | A        | 4.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2602774.67 |       | A        | 5.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2718368.05 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2722161.92 |       | A        | 5.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2716076.49 |       | A        | 3.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2773376.35 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2722536.03 |       | A        | 4.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2633768.71 |       | A        | 1.7 |

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

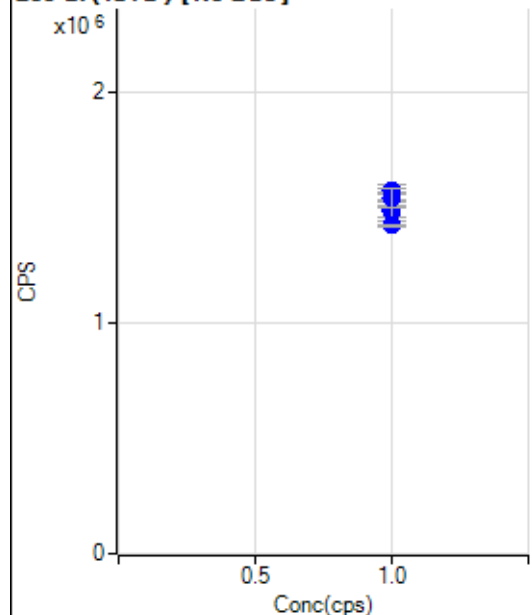
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1296849.63 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1312050.94 |       | P        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1343054.30 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1334680.26 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1342425.34 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1329503.78 |       | P        | 2.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1323326.33 |       | P        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1263841.83 |       | P        | 0.9 |

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

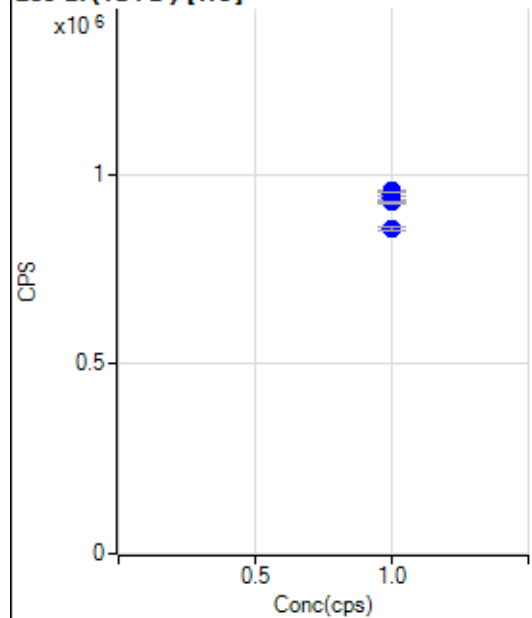
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2469628.70 |       | A        | 4.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2420835.58 |       | A        | 7.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2530966.81 |       | A        | 2.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2552723.84 |       | A        | 5.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2521737.23 |       | A        | 4.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2606207.50 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2549728.90 |       | A        | 4.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2481049.12 |       | A        | 1.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1289231.07 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1313661.24 |       | P        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1341356.80 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1352015.87 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1334808.86 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1335782.32 |       | P        | 2.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1324837.99 |       | P        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1270965.28 |       | P        | 1.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1495171.77 |       | P        | 4.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1484534.70 |       | P        | 5.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1541421.96 |       | P        | 2.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1561643.54 |       | P        | 5.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1538418.05 |       | P        | 3.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1572158.60 |       | P        | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1537949.42 |       | P        | 5.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1422050.20 |       | P        | 0.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 925337.01 |       | P        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 935574.37 |       | P        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 955689.63 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 953553.87 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 948626.34 |       | P        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 939486.43 |       | P        | 3.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 924864.53 |       | P        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 855041.70 |       | P        | 1.0 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8050920MS.b  
Acq. Date-Time 2020-05-09 14:36:53  
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    |              | 2787  | 27866.85  |                            |             | 0.769  | 5.000           |
| 24   |              | 25226 | 252259.14 |                            |             | 0.557  | 5.000           |
| 25   |              | 3443  | 34429.27  |                            |             | 0.593  | 5.000           |
| 26   |              | 4150  | 41497.68  |                            |             | 0.774  | 5.000           |
| 59   |              | 21036 | 210360.23 |                            |             | 0.788  | 5.000           |
| 113  |              | 3341  | 33412.85  |                            |             | 0.953  | 5.000           |
| 115  |              | 9690  | 96895.28  |                            |             | 1.302  | 5.000           |
| 206  |              | 3592  | 35924.76  |                            |             | 1.379  | 5.000           |
| 207  |              | 2984  | 29844.59  |                            |             | 1.492  | 5.000           |
| 208  |              | 7321  | 73208.50  |                            |             | 0.654  | 5.000           |
| 220  |              | 0     | 4.90      |                            |             | 28.315 |                 |

| 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    | 2783        | 2817        | 2778        | 2760        | 2796        |
| 24   | 25444       | 25131       | 25094       | 25180       | 25280       |
| 25   | 3469        | 3457        | 3417        | 3432        | 3440        |
| 26   | 4206        | 4130        | 4144        | 4134        | 4134        |
| 59   | 21222       | 21186       | 20841       | 20918       | 21013       |
| 113  | 3344        | 3358        | 3350        | 3287        | 3368        |
| 115  | 9888        | 9683        | 9671        | 9536        | 9670        |
| 206  | 3552        | 3546        | 3622        | 3579        | 3664        |
| 207  | 2920        | 2967        | 3010        | 2988        | 3037        |
| 208  | 7329        | 7258        | 7325        | 7303        | 7390        |

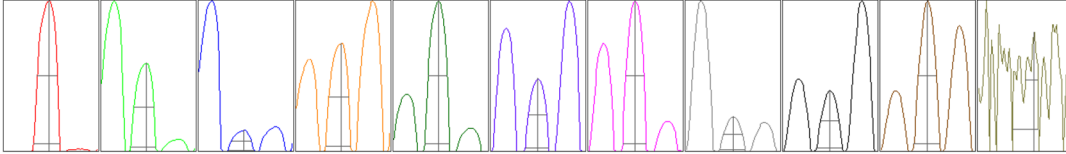


# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 4606.75     | 8.95   | 8.90 - 9.10     |             |
| 24   | 42724.85    | 23.95  | 23.90 - 24.10   |             |
| 25   | 5761.01     | 24.95  | 24.90 - 25.10   |             |
| 26   | 6731.89     | 25.95  | 25.90 - 26.10   |             |
| 59   | 36370.89    | 58.95  | 58.90 - 59.10   |             |
| 113  | 6205.86     | 113.00 | 112.90 - 113.10 |             |
| 115  | 17876.22    | 115.00 | 114.90 - 115.10 |             |
| 206  | 6490.34     | 206.05 | 205.90 - 206.10 |             |
| 207  | 5443.58     | 207.00 | 206.90 - 207.10 |             |
| 208  | 13549.36    | 208.00 | 207.90 - 208.10 |             |
| 220  | 0.75        | 220.30 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.64  | 0.826 | 0.900           |             |
| 24   | 0.64  | 0.789 | 0.900           |             |
| 25   | 0.64  | 0.816 | 0.900           |             |
| 26   | 0.64  | 0.789 | 0.900           |             |
| 59   | 0.61  | 0.785 | 0.900           |             |
| 113  | 0.57  | 0.737 | 0.900           |             |
| 115  | 0.57  | 0.737 | 0.900           |             |
| 206  | 0.58  | 0.806 | 0.900           |             |
| 207  | 0.57  | 0.820 | 0.900           |             |
| 208  | 0.57  | 0.819 | 0.900           |             |
| 220  | 0.39  | 0.825 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode HMI Nebulizer Gas 0.51 L/min Dilution Gas 0.46 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    | 9.6 V | Deflect    | 14.0 V |
| Extract 2  | -225.0 V | Cell Entrance | -30 V | Plate Bias | -50 V  |
| Omega Bias | -120 V   | Cell Exit     | -50 V |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 4.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 170 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 122 | Axis Gain   | 0.9995 | QP Bias | -4.0 V |
| Mass Offset | 123 | Axis Offset | -0.05  |         |        |

## Hardware Settings

### Torch

|         |        |         |        |
|---------|--------|---------|--------|
| Torch H | 0.3 mm | Torch V | 0.0 mm |
|---------|--------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.0 mV | Analog HV | 2169 V | Pulse HV | 1203 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 5089  | 50892.03  |                            |             | 2.558 |                 |
| 89   |              | 8628  | 86278.55  |                            |             | 2.053 |                 |
| 205  |              | 10333 | 103328.09 |                            |             | 1.840 |                 |

| Mass | RSD% (Flag) |
|------|-------------|
| 59   |             |
| 89   |             |
| 205  |             |

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 4946        | 5297        | 5106        | 5031        | 5066        |
| 89   | 8433        | 8898        | 8694        | 8557        | 8558        |
| 205  | 10197       | 10654       | 10343       | 10277       | 10193       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |         |                |            |               |            |
|--------------|---------|----------------|------------|---------------|------------|
| Plasma Mode  | HMI     | Nebulizer Gas  | 0.51 L/min | Dilution Gas  | 0.46 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 | 9.6 V | Deflect | 4.0 V |
|-----------|--------|------------|-------|---------|-------|

# US EPA Tune Check Report

|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -225.0 V   | Cell Entrance | -50 V   | Plate Bias            | -60 V   |
| Omega Bias               | -120 V     | Cell Exit     | -70 V   |                       |         |
| <b>Cell Parameters</b>   |            |               |         |                       |         |
| 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   |                       |         |
| <b>QP Parameters</b>     |            |               |         |                       |         |
| Mass Gain                | 122        | Axis Gain     | 0.9995  | QP Bias               | -13.0 V |
| Mass Offset              | 123        | Axis Offset   | -0.05   |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | 0.3 mm     | Torch V       | 0.0 mm  |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 4.0 mV     | Analog HV     | 2169 V  | Pulse HV              | 1203 V  |