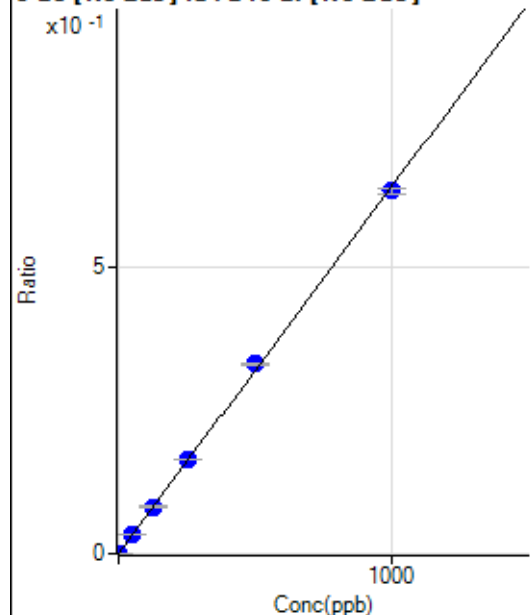


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8111320MS2.b\  
Analysis File: P8111320MS2.batch.bin  
DA Date-Time: 2020-11-15 01:11:57  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2020-11-13 15:04:50 |
| 2     | 004CALS.d          | S02         | 2020-11-13 15:08:02 |
| 3     | 005CALS.d          | S03         | 2020-11-13 15:11:11 |
| 4     | 006CALS.d          | S04         | 2020-11-13 15:14:23 |
| 5     | 007CALS.d          | S05         | 2020-11-13 15:17:26 |
| 6     | 008CALS.d          | S06         | 2020-11-13 15:20:26 |
| 7     | 009CALS.d          | S07         | 2020-11-13 15:23:24 |
| 8     | 010CALS.d          | S08         | 2020-11-13 15:26:25 |

**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      | 104.65    | 0.0001 | P   | 17.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.909      | 771.87    | 0.0007 | P   | 2.8  |
| 3 | <input type="checkbox"/> | 50.000   | 51.385     | 38176.26  | 0.0330 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 128.315    | 97160.04  | 0.0822 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 257.267    | 193329.60 | 0.1647 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 516.723    | 390841.83 | 0.3308 | P   | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.338    | 763930.38 | 0.6332 | P   | 1.9  |
| 8 | <input type="checkbox"/> |          |            | 713.88    | 0.0006 | P   | 18.7 |

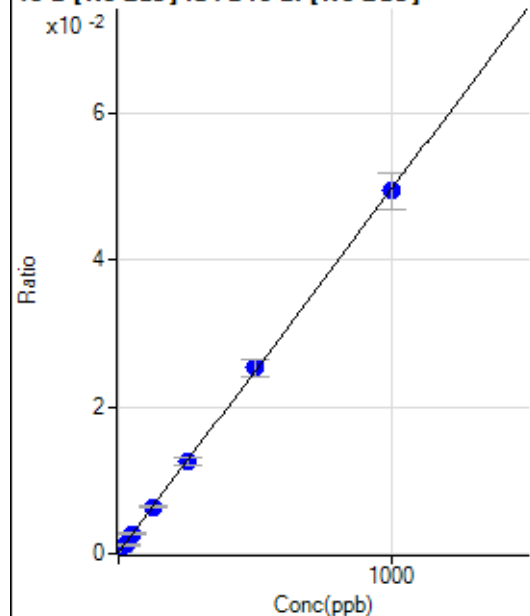
$$y = 6.3997E-004 * x + 9.0284E-005$$

$$R = 0.9998$$

$$DL = 0.0736$$

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      | 194.63   | 0.0002 | P   | 2.6  |
| 2 | <input type="checkbox"/> | 25.000   | 20.940     | 1381.80  | 0.0012 | P   | 7.5  |
| 3 | <input type="checkbox"/> | 50.000   | 51.579     | 3147.73  | 0.0027 | P   | 8.0  |
| 4 | <input type="checkbox"/> | 125.000  | 126.243    | 7577.14  | 0.0064 | P   | 7.6  |
| 5 | <input type="checkbox"/> | 250.000  | 251.801    | 14807.89 | 0.0126 | P   | 9.3  |
| 6 | <input type="checkbox"/> | 500.000  | 508.375    | 29902.43 | 0.0253 | P   | 9.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.229    | 59546.31 | 0.0494 | P   | 9.9  |
| 8 | <input type="checkbox"/> |          |            | 9447.19  | 0.0082 | P   | 13.3 |

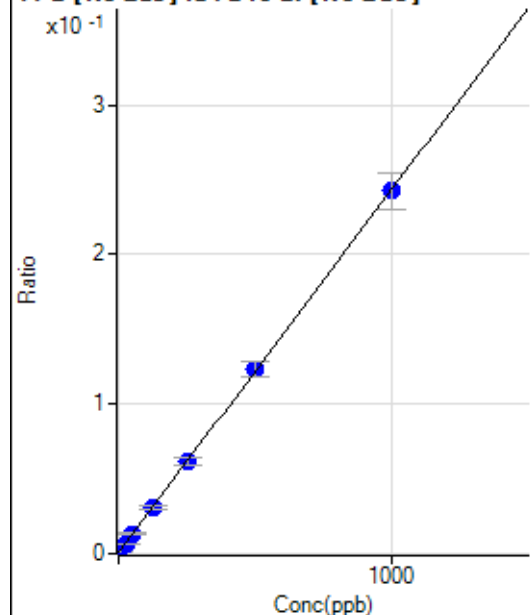
$$y = 4.9441E-005 * x + 1.6811E-004$$

$$R = 0.9999$$

$$DL = 0.2661$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 868.52    | 0.0008 | P   | 2.2  |
| 2 | <input type="checkbox"/> | 25.000   | 22.245     | 7056.98   | 0.0061 | P   | 10.7 |
| 3 | <input type="checkbox"/> | 50.000   | 51.136     | 15229.56  | 0.0132 | P   | 7.3  |
| 4 | <input type="checkbox"/> | 125.000  | 126.328    | 37108.77  | 0.0314 | P   | 8.3  |
| 5 | <input type="checkbox"/> | 250.000  | 251.111    | 72353.73  | 0.0616 | P   | 9.8  |
| 6 | <input type="checkbox"/> | 500.000  | 505.321    | 145715.49 | 0.1233 | P   | 9.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.908    | 292502.31 | 0.2425 | P   | 9.8  |
| 8 | <input type="checkbox"/> |          |            | 45685.01  | 0.0394 | P   | 12.1 |

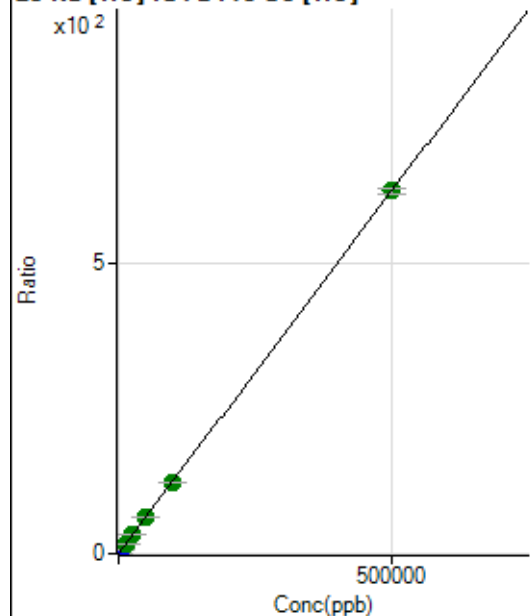
$$y = 2.4252E-004 * x + 7.5015E-004$$

$$R = 1.0000$$

$$DL = 0.2033$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 33608.62    | 0.3387   | P   | 5.4 |
| 2 | <input type="checkbox"/> | 500.000   | 484.895    | 95013.73    | 0.9430   | P   | 3.3 |
| 3 | <input type="checkbox"/> | 5000.000  | 5091.636   | 690268.32   | 6.6834   | P   | 1.2 |
| 4 | <input type="checkbox"/> | 12500.000 | 12664.793  | 1666703.91  | 16.1203  | A   | 2.1 |
| 5 | <input type="checkbox"/> | 25000.000 | 25145.722  | 3231218.37  | 31.6728  | A   | 1.3 |
| 6 | <input type="checkbox"/> | 50000.000 | 49738.311  | 6608943.64  | 62.3175  | A   | 0.6 |
| 7 | <input type="checkbox"/> | 100000.00 | 98132.580  | 12887433.36 | 122.6215 | A   | 1.9 |
| 8 | <input type="checkbox"/> | 500000.00 | 500387.34  | 64516218.80 | 623.8702 | A   | 1.5 |

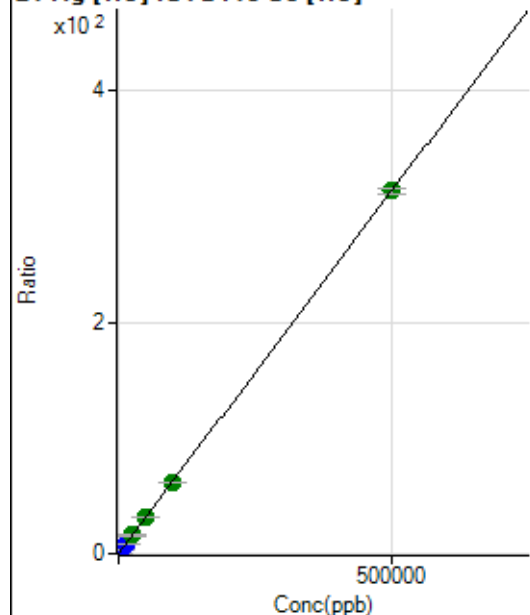
$$y = 0.0012 * x + 0.3387$$

$$R = 1.0000$$

$$DL = 43.71$$

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      | 630.59      | 0.0063   | P   | 4.1 |
| 2 | <input type="checkbox"/> | 500.000   | 493.600    | 31827.01    | 0.3159   | P   | 3.1 |
| 3 | <input type="checkbox"/> | 5000.000  | 5192.007   | 336922.74   | 3.2622   | P   | 0.8 |
| 4 | <input type="checkbox"/> | 12500.000 | 12846.538  | 833558.00   | 8.0622   | P   | 0.7 |
| 5 | <input type="checkbox"/> | 25000.000 | 25426.354  | 1626935.87  | 15.9508  | A   | 2.9 |
| 6 | <input type="checkbox"/> | 50000.000 | 50083.238  | 3331161.58  | 31.4128  | A   | 1.2 |
| 7 | <input type="checkbox"/> | 100000.00 | 98043.740  | 6462095.80  | 61.4881  | A   | 2.4 |
| 8 | <input type="checkbox"/> | 500000.00 | 500351.03  | 32447526.07 | 313.7692 | A   | 1.5 |

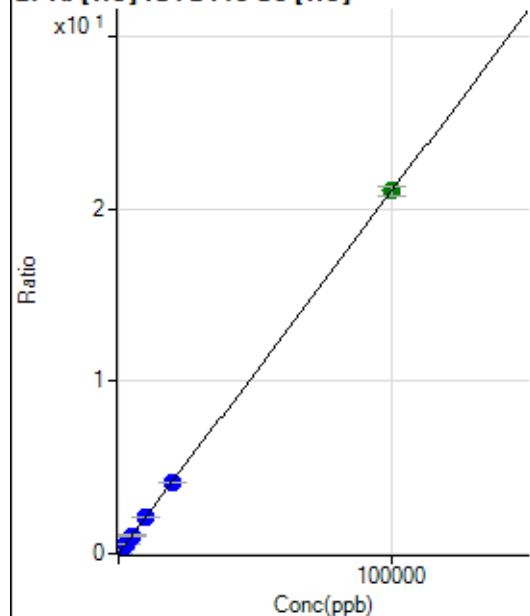
$$y = 6.2709\text{E-}004 * x + 0.0063$$

$$R = 1.0000$$

$$DL = 1.231$$

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      | 409.96     | 0.0041  | P   | 1.7 |
| 2 | <input type="checkbox"/> | 20.000    | 19.062     | 819.50     | 0.0081  | P   | 1.9 |
| 3 | <input type="checkbox"/> | 1000.000  | 993.403    | 21993.36   | 0.2129  | P   | 0.9 |
| 4 | <input type="checkbox"/> | 2500.000  | 2492.607   | 54595.88   | 0.5281  | P   | 1.2 |
| 5 | <input type="checkbox"/> | 5000.000  | 5014.558   | 107925.91  | 1.0582  | P   | 2.9 |
| 6 | <input type="checkbox"/> | 10000.000 | 9910.005   | 221341.83  | 2.0872  | P   | 0.8 |
| 7 | <input type="checkbox"/> | 20000.000 | 19462.737  | 430416.88  | 4.0951  | P   | 1.1 |
| 8 | <input type="checkbox"/> | 100000.00 | 100115.97  | 2176502.18 | 21.0483 | A   | 2.3 |

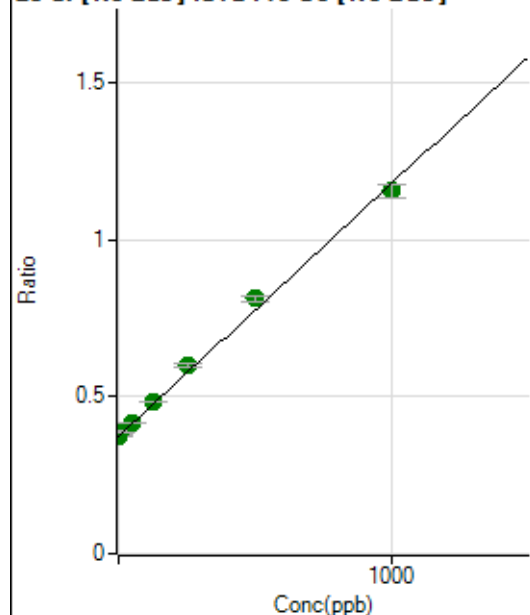
$$y = 2.1020\text{E-}004 * x + 0.0041$$

$$R = 1.0000$$

$$DL = 0.9777$$

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      | 944950.05  | 0.3738 | A   | 1.6 |
| 2 | <input type="checkbox"/> | 10.000   | 19.022     | 961432.25  | 0.3891 | A   | 0.4 |
| 3 | <input type="checkbox"/> | 50.000   | 54.638     | 1064869.32 | 0.4178 | A   | 0.7 |
| 4 | <input type="checkbox"/> | 125.000  | 133.430    | 1245337.04 | 0.4812 | A   | 0.2 |
| 5 | <input type="checkbox"/> | 250.000  | 277.764    | 1541798.81 | 0.5975 | A   | 2.0 |
| 6 | <input type="checkbox"/> | 500.000  | 543.223    | 2113247.90 | 0.8113 | A   | 3.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 970.072    | 3020880.54 | 1.1552 | A   | 4.1 |
| 8 | <input type="checkbox"/> |          |            | 1073759.95 | 0.4273 | A   | 3.5 |

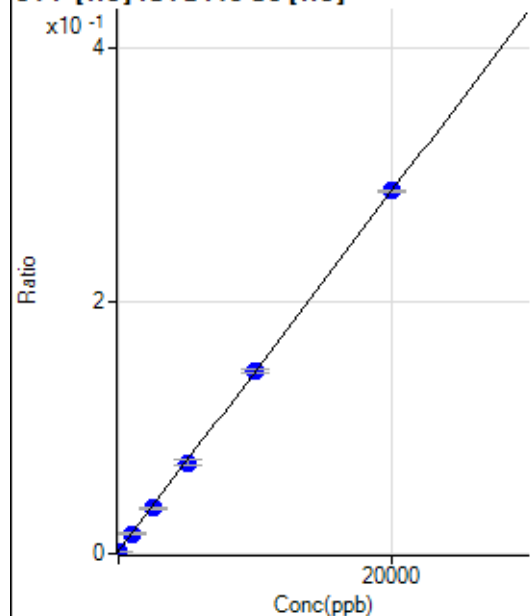
$$y = 8.0551\text{E-}004 * x + 0.3738$$

$$R = 0.9982$$

$$DL = 22.14$$

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     | -11.901    | 180.56   | 0.0018 | P   | 11.3 |
| 2 | <input type="checkbox"/> | 0.000     | 11.901     | 216.67   | 0.0022 | P   | 8.6  |
| 3 | <input type="checkbox"/> | 1000.000  | 966.451    | 1625.13  | 0.0157 | P   | 4.9  |
| 4 | <input type="checkbox"/> | 2500.000  | 2401.634   | 3739.48  | 0.0362 | P   | 4.6  |
| 5 | <input type="checkbox"/> | 5000.000  | 4914.730   | 7335.36  | 0.0719 | P   | 6.0  |
| 6 | <input type="checkbox"/> | 10000.000 | 10017.446  | 15333.45 | 0.1446 | P   | 1.3  |
| 7 | <input type="checkbox"/> | 20000.000 | 20026.568  | 30173.60 | 0.2871 | P   | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 230.56   | 0.0022 | P   | 14.2 |

$$y = 1.4236\text{E-}005 * x + 0.0020$$

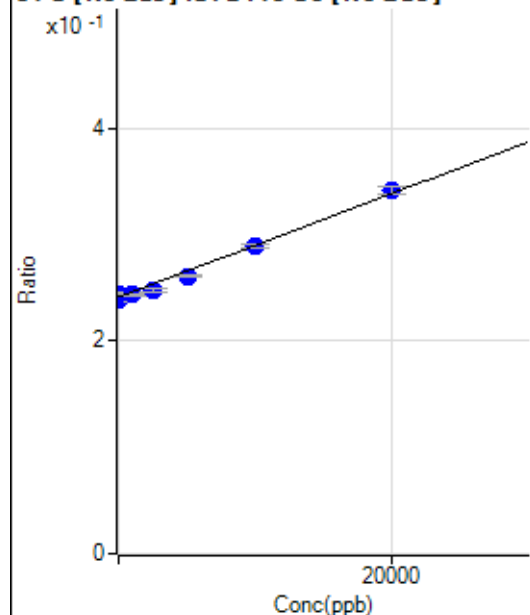
$$R = 1.0000$$

$$DL = 41.02$$

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     | -715.610   | 601064.34 | 0.2377 | P   | 0.3 |
| 2 | <input type="checkbox"/> | 0.000     | 715.610    | 604542.97 | 0.2447 | P   | 1.4 |
| 3 | <input type="checkbox"/> | 1000.000  | 396.349    | 619708.55 | 0.2431 | P   | 0.9 |
| 4 | <input type="checkbox"/> | 2500.000  | 1358.292   | 641145.47 | 0.2478 | P   | 1.9 |
| 5 | <input type="checkbox"/> | 5000.000  | 4061.030   | 673314.30 | 0.2609 | P   | 0.4 |
| 6 | <input type="checkbox"/> | 10000.000 | 9813.518   | 752489.79 | 0.2889 | P   | 0.8 |
| 7 | <input type="checkbox"/> | 20000.000 | 20500.879  | 891468.06 | 0.3408 | P   | 2.1 |
| 8 | <input type="checkbox"/> |           |            | 583531.64 | 0.2322 | P   | 2.5 |

$$y = 4.8592E-006 * x + 0.2412$$

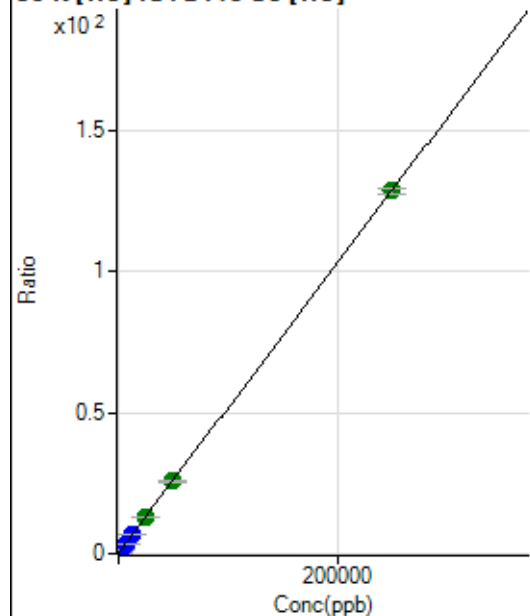
$$R = 0.9964$$

$$DL = 1285$$

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      | 29029.82    | 0.2927   | P   | 6.8 |
| 2 | <input type="checkbox"/> | 500.000   | 470.271    | 53773.10    | 0.5336   | P   | 2.2 |
| 3 | <input type="checkbox"/> | 2500.000  | 2546.513   | 164943.11   | 1.5972   | P   | 2.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6367.205   | 367472.80   | 3.5543   | P   | 1.3 |
| 5 | <input type="checkbox"/> | 12500.000 | 12780.730  | 697696.06   | 6.8396   | P   | 1.9 |
| 6 | <input type="checkbox"/> | 25000.000 | 25045.105  | 1391539.21  | 13.1220  | A   | 1.1 |
| 7 | <input type="checkbox"/> | 50000.000 | 49389.696  | 2689965.51  | 25.5925  | A   | 2.0 |
| 8 | <input type="checkbox"/> | 250000.00 | 250100.17  | 13278782.59 | 128.4063 | A   | 1.4 |

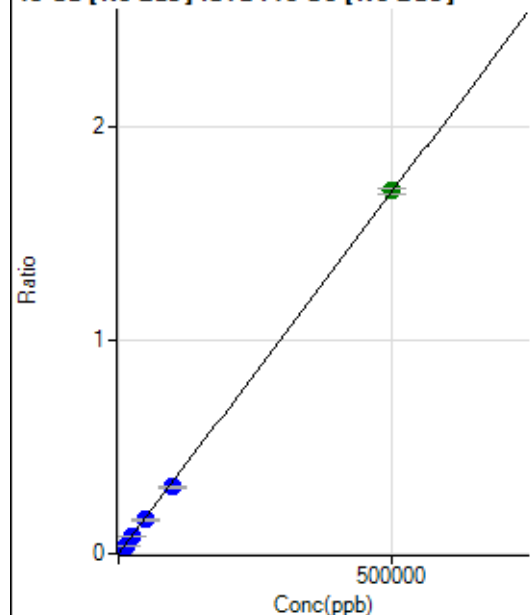
$$y = 5.1225E-004 * x + 0.2927$$

$$R = 1.0000$$

$$DL = 116.3$$

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      | 301.22     | 0.0001 | P   | 7.1 |
| 2 | <input type="checkbox"/> | 500.000   | 448.942    | 4045.91    | 0.0016 | P   | 2.1 |
| 3 | <input type="checkbox"/> | 5000.000  | 4666.717   | 40532.56   | 0.0159 | P   | 1.0 |
| 4 | <input type="checkbox"/> | 12500.000 | 11670.737  | 102441.36  | 0.0396 | P   | 1.0 |
| 5 | <input type="checkbox"/> | 25000.000 | 23401.914  | 204530.47  | 0.0793 | P   | 1.0 |
| 6 | <input type="checkbox"/> | 50000.000 | 46836.829  | 412909.04  | 0.1585 | P   | 1.6 |
| 7 | <input type="checkbox"/> | 100000.00 | 92274.903  | 816495.43  | 0.3122 | P   | 3.0 |
| 8 | <input type="checkbox"/> | 500000.00 | 501965.35  | 4267595.83 | 1.6978 | A   | 1.9 |

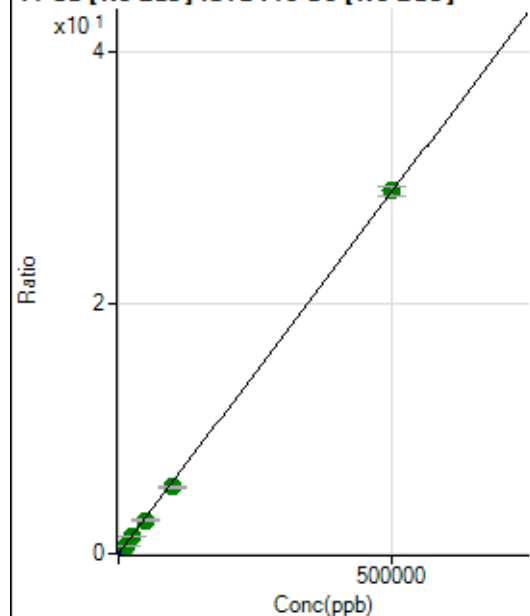
$$y = 3.3821E-006 * x + 1.1915E-004$$

$$R = 0.9999$$

$$DL = 7.522$$

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      | 22813.61    | 0.0090  | P   | 0.7 |
| 2 | <input type="checkbox"/> | 500.000   | 462.297    | 88091.78    | 0.0357  | P   | 1.2 |
| 3 | <input type="checkbox"/> | 5000.000  | 4720.845   | 716104.60   | 0.2810  | P   | 1.0 |
| 4 | <input type="checkbox"/> | 12500.000 | 11612.178  | 1754017.33  | 0.6779  | A   | 1.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 23208.529  | 3472824.05  | 1.3459  | A   | 0.6 |
| 6 | <input type="checkbox"/> | 50000.000 | 46328.508  | 6975032.45  | 2.6777  | A   | 1.1 |
| 7 | <input type="checkbox"/> | 100000.00 | 92169.333  | 13911116.34 | 5.3182  | A   | 1.8 |
| 8 | <input type="checkbox"/> | 500000.00 | 502047.88  | 72707919.13 | 28.9284 | A   | 2.3 |

$$y = 5.7603E-005 * x + 0.0090$$

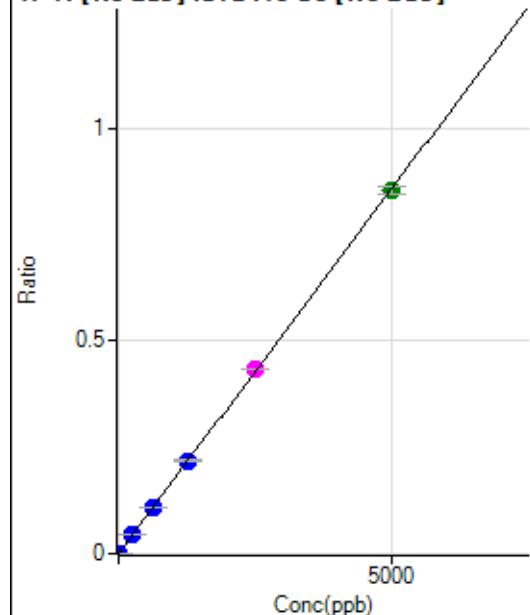
$$R = 0.9999$$

$$DL = 3.383$$

Weight: &lt;None&gt;

Min Conc: 0

47 Ti [No Gas] ISTD:45 Sc [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     | 0.0002 | P    | 4.8  |
| 2 | <input type="checkbox"/> | 5.000    | 5.024      | 2553.07    | 0.0010 | P    | 7.5  |
| 3 | <input type="checkbox"/> | 250.000  | 254.035    | 111266.79  | 0.0437 | P    | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 636.038    | 282118.05  | 0.1090 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 1250.000 | 1273.867   | 563061.07  | 0.2182 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2533.307   | 1129919.01 | 0.4338 | M    | 0.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4975.798   | 2227997.21 | 0.8518 | A    | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 1400.11    | 0.0006 | P    | 27.3 |

$$y = 1.7116E-004 * x + 1.7356E-004$$

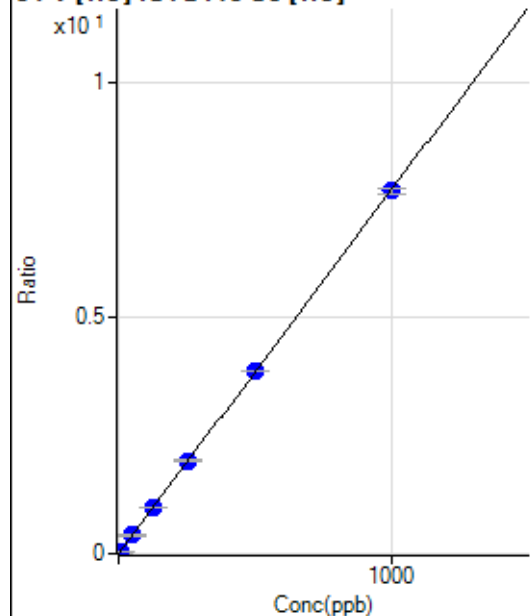
$$R = 1.0000$$

$$DL = 0.1457$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.67      | 0.0001 | P    | 86.7 |
| 2 | <input type="checkbox"/> | 5.000    | 4.721      | 3679.40   | 0.0365 | P    | 8.3  |
| 3 | <input type="checkbox"/> | 50.000   | 50.309     | 40139.51  | 0.3887 | P    | 2.6  |
| 4 | <input type="checkbox"/> | 125.000  | 126.515    | 101041.05 | 0.9773 | P    | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 254.228    | 200313.91 | 1.9638 | P    | 2.2  |
| 6 | <input type="checkbox"/> | 500.000  | 503.790    | 412702.05 | 3.8915 | P    | 0.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.844    | 809285.58 | 7.6999 | P    | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 291.12    | 0.0028 | P    | 2.7  |

$$y = 0.0077 * x + 6.8028E-005$$

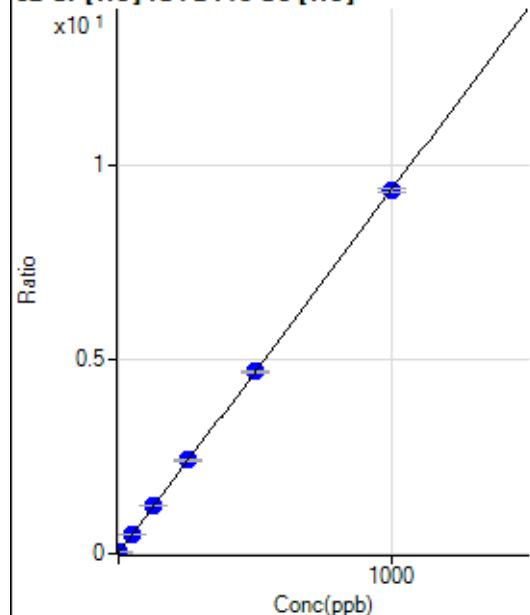
$$R = 1.0000$$

$$DL = 0.02292$$

Weight: &lt;None&gt;

Min Conc: 0



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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 818.92    | 0.0082 | P   | 1.1 |
| 2 | <input type="checkbox"/> | 2.000    | 1.910      | 2631.37   | 0.0261 | P   | 2.7 |
| 3 | <input type="checkbox"/> | 50.000   | 52.380     | 51470.07  | 0.4984 | P   | 2.2 |
| 4 | <input type="checkbox"/> | 125.000  | 132.039    | 128599.63 | 1.2438 | P   | 0.4 |
| 5 | <input type="checkbox"/> | 250.000  | 255.785    | 244995.05 | 2.4018 | P   | 2.0 |
| 6 | <input type="checkbox"/> | 500.000  | 500.310    | 497373.61 | 4.6900 | P   | 0.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 997.400    | 981838.36 | 9.3416 | P   | 1.1 |
| 8 | <input type="checkbox"/> |          |            | 6404.83   | 0.0619 | P   | 4.0 |

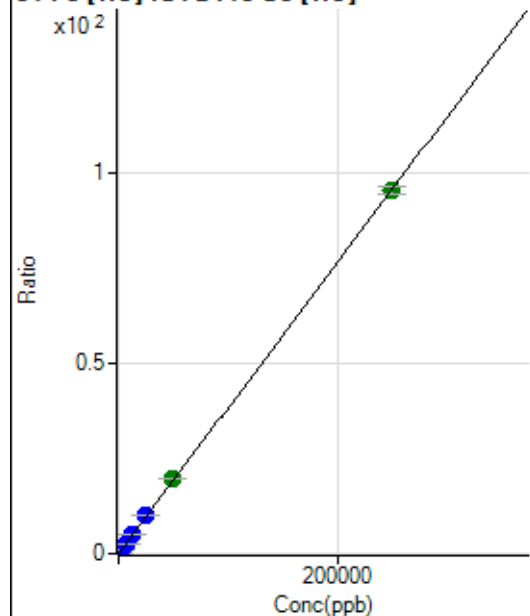
$$y = 0.0094 * x + 0.0082$$

$$R = 1.0000$$

$$DL = 0.03002$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 401.87     | 0.0040  | P   | 9.3 |
| 2 | <input type="checkbox"/> | 50.000    | 53.295     | 2459.52    | 0.0244  | P   | 6.4 |
| 3 | <input type="checkbox"/> | 2500.000  | 2630.590   | 104242.07  | 1.0093  | P   | 1.7 |
| 4 | <input type="checkbox"/> | 6250.000  | 6580.083   | 260386.87  | 2.5186  | P   | 1.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 13131.859  | 512289.99  | 5.0222  | P   | 2.2 |
| 6 | <input type="checkbox"/> | 25000.000 | 25941.087  | 1051660.60 | 9.9171  | P   | 1.2 |
| 7 | <input type="checkbox"/> | 50000.000 | 51218.323  | 2057748.21 | 19.5766 | A   | 0.6 |
| 8 | <input type="checkbox"/> | 250000.00 | 249621.07  | 9864515.03 | 95.3939 | A   | 2.2 |

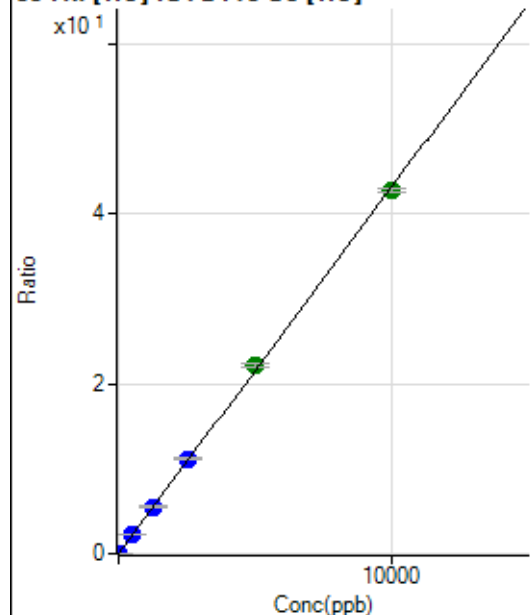
$$y = 3.8214E-004 * x + 0.0040$$

$$R = 1.0000$$

$$DL = 2.95$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>55</sup>Mn [He] ISTD:45 Sc [He]**

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 120.00     | 0.0012  | P        | 14.2 |
| 2 | <input type="checkbox"/> | 1.000     | 0.982      | 547.80     | 0.0054  | P        | 19.1 |
| 3 | <input type="checkbox"/> | 500.000   | 514.284    | 229355.05  | 2.2207  | P        | 0.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1281.342   | 571847.59  | 5.5310  | P        | 1.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2578.730   | 1135316.61 | 11.1300 | P        | 2.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 5153.128   | 2358350.92 | 22.2401 | A        | 1.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 9899.121   | 4490733.19 | 42.7219 | A        | 1.2  |
| 8 | <input type="checkbox"/> |           |            | 5348.84    | 0.0517  | P        | 5.7  |

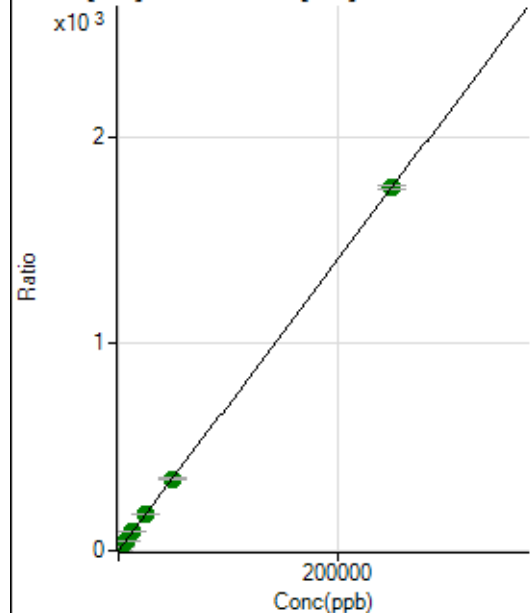
$$y = 0.0043 * x + 0.0012$$

$$R = 0.9998$$

$$DL = 0.1196$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>56</sup>Fe [He] ISTD:45 Sc [He]**

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio     | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 3272.66     | 0.0330    | P        | 3.3 |
| 2 | <input type="checkbox"/> | 50.000    | 49.364     | 38190.05    | 0.3789    | P        | 1.0 |
| 3 | <input type="checkbox"/> | 2500.000  | 2604.269   | 1888571.02  | 18.2850   | A        | 0.4 |
| 4 | <input type="checkbox"/> | 6250.000  | 6429.670   | 4662462.37  | 45.0953   | A        | 1.0 |
| 5 | <input type="checkbox"/> | 12500.000 | 12769.035  | 9131712.36  | 89.5246   | A        | 2.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 25271.292  | 18786938.38 | 177.1466  | A        | 0.2 |
| 7 | <input type="checkbox"/> | 50000.000 | 49629.981  | 36566348.97 | 347.8643  | A        | 0.9 |
| 8 | <input type="checkbox"/> | 250000.00 | 250027.88  | 181216668.8 | 1,752.351 | A        | 1.2 |

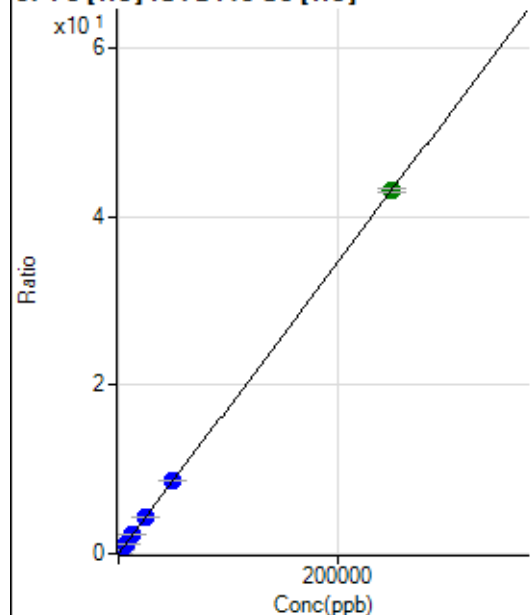
$$y = 0.0070 * x + 0.0330$$

$$R = 1.0000$$

$$DL = 0.4595$$

Weight: &lt;None&gt;

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      | 142.60     | 0.0014  | P   | 15.1 |
| 2 | <input type="checkbox"/> | 50.000    | 45.249     | 931.53     | 0.0092  | P   | 10.7 |
| 3 | <input type="checkbox"/> | 2500.000  | 2635.219   | 47124.31   | 0.4563  | P   | 0.9  |
| 4 | <input type="checkbox"/> | 6250.000  | 6544.743   | 116937.91  | 1.1311  | P   | 1.1  |
| 5 | <input type="checkbox"/> | 12500.000 | 13000.704  | 228997.35  | 2.2453  | P   | 3.2  |
| 6 | <input type="checkbox"/> | 25000.000 | 25433.218  | 465691.89  | 4.3912  | P   | 0.3  |
| 7 | <input type="checkbox"/> | 50000.000 | 50439.658  | 915222.00  | 8.7073  | P   | 0.5  |
| 8 | <input type="checkbox"/> | 250000.00 | 249834.99  | 4459540.81 | 43.1227 | A   | 1.2  |

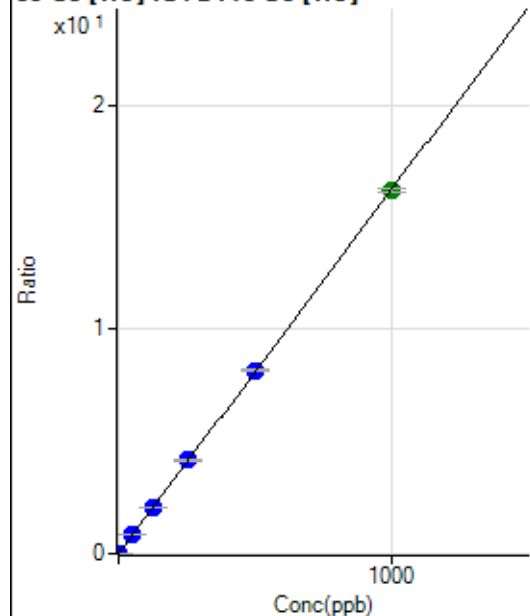
$$y = 1.7260\text{E-}004 * x + 0.0014$$

$$R = 1.0000$$

$$DL = 3.773$$

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      | 84.44      | 0.0008  | P   | 17.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.950      | 1636.78    | 0.0163  | P   | 7.4  |
| 3 | <input type="checkbox"/> | 50.000   | 51.024     | 85551.76   | 0.8283  | P   | 0.2  |
| 4 | <input type="checkbox"/> | 125.000  | 127.830    | 214415.18  | 2.0738  | P   | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 256.565    | 424479.68  | 4.1615  | P   | 2.3  |
| 6 | <input type="checkbox"/> | 500.000  | 502.923    | 864958.19  | 8.1567  | P   | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.492    | 1698666.57 | 16.1608 | A   | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 3387.11    | 0.0328  | P   | 3.8  |

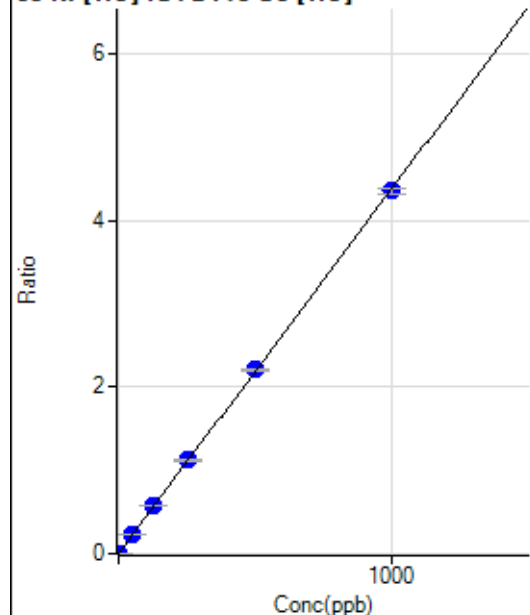
$$y = 0.0162 * x + 8.4840\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.02739$$

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      | 242.23    | 0.0024 | P   | 11.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.982      | 680.02    | 0.0067 | P   | 11.3 |
| 3 | <input type="checkbox"/> | 50.000   | 52.674     | 24048.18  | 0.2328 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 130.978    | 59484.85  | 0.5753 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 257.466    | 115120.95 | 1.1286 | P   | 2.3  |
| 6 | <input type="checkbox"/> | 500.000  | 503.865    | 233989.33 | 2.2064 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.320    | 457832.38 | 4.3560 | P   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 2262.43   | 0.0219 | P   | 3.6  |

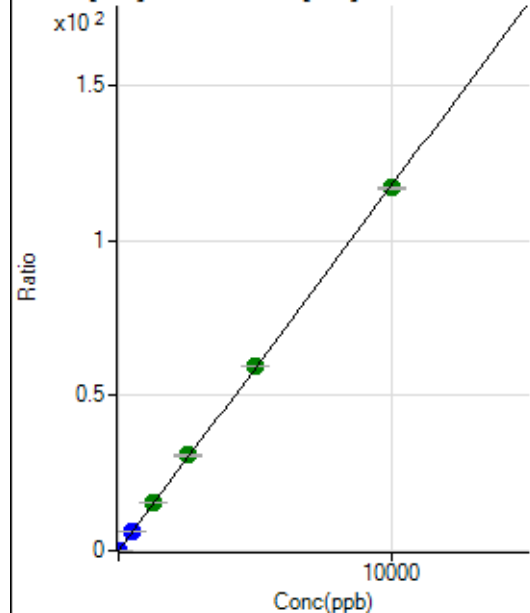
$$y = 0.0044 * x + 0.0024$$

$$R = 0.9999$$

$$DL = 0.1974$$

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      | 665.58      | 0.0067   | P   | 10.3 |
| 2 | <input type="checkbox"/> | 2.000     | 1.912      | 2945.89     | 0.0292   | P   | 2.8  |
| 3 | <input type="checkbox"/> | 500.000   | 518.423    | 631466.44   | 6.1143   | P   | 1.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1308.272   | 1594207.70  | 15.4195  | A   | 0.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2612.233   | 3139786.65  | 30.7815  | A   | 2.6  |
| 6 | <input type="checkbox"/> | 5000.000  | 5053.754   | 6315286.78  | 59.5450  | A   | 0.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 9936.860   | 12305326.34 | 117.0730 | A   | 0.6  |
| 8 | <input type="checkbox"/> |           |            | 9096.33     | 0.0880   | P   | 4.4  |

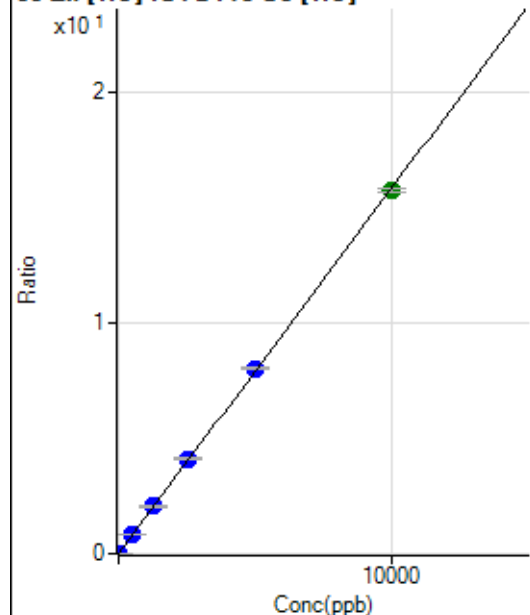
$$y = 0.0118 * x + 0.0067$$

$$R = 0.9999$$

$$DL = 0.1761$$

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      | 68.89      | 0.0007  | P   | 8.9  |
| 2 | <input type="checkbox"/> | 2.000     | 2.199      | 420.01     | 0.0042  | P   | 10.3 |
| 3 | <input type="checkbox"/> | 500.000   | 516.841    | 84479.64   | 0.8180  | P   | 1.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1293.855   | 211608.69  | 2.0467  | P   | 1.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2589.847   | 417788.74  | 4.0962  | P   | 2.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 5078.992   | 851811.53  | 8.0324  | P   | 0.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 9931.718   | 1650811.33 | 15.7063 | A   | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 5608.94    | 0.0542  | P   | 3.8  |

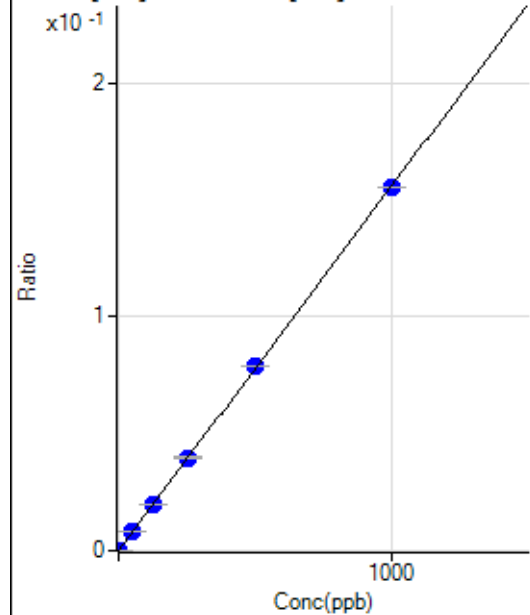
$$y = 0.0016 * x + 6.9207E-004$$

$$R = 0.9999$$

$$DL = 0.1171$$

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      | 7.00      | 0.0000 | P   | 32.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.860      | 110.34    | 0.0001 | P   | 9.8  |
| 3 | <input type="checkbox"/> | 50.000   | 51.109     | 6238.68   | 0.0080 | P   | 1.4  |
| 4 | <input type="checkbox"/> | 125.000  | 126.255    | 15404.60  | 0.0197 | P   | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 255.530    | 31022.01  | 0.0399 | P   | 3.7  |
| 6 | <input type="checkbox"/> | 500.000  | 506.320    | 63854.93  | 0.0790 | P   | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.245    | 124570.98 | 0.1553 | P   | 0.1  |
| 8 | <input type="checkbox"/> |          |            | 84.68     | 0.0001 | P   | 7.2  |

$$y = 1.5599E-004 * x + 9.3063E-006$$

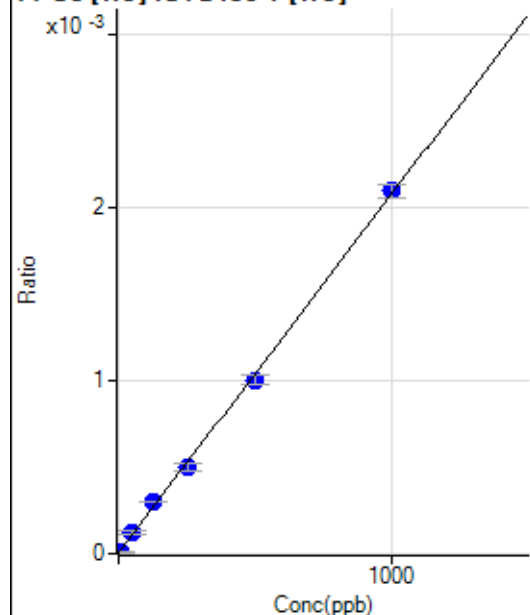
$$R = 1.0000$$

$$DL = 0.05822$$

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      | 3.33    | 0.0000 | P   | 97.4 |
| 2 | <input type="checkbox"/> | 5.000    | 1.397      | 5.55    | 0.0000 | P   | 71.2 |
| 3 | <input type="checkbox"/> | 50.000   | 55.484     | 93.34   | 0.0001 | P   | 23.1 |
| 4 | <input type="checkbox"/> | 125.000  | 142.626    | 234.45  | 0.0003 | P   | 2.3  |
| 5 | <input type="checkbox"/> | 250.000  | 237.926    | 387.79  | 0.0005 | P   | 10.0 |
| 6 | <input type="checkbox"/> | 500.000  | 482.800    | 812.25  | 0.0010 | P   | 5.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1009.159   | 1681.23 | 0.0021 | P   | 3.5  |
| 8 | <input type="checkbox"/> |          |            | 2.22    | 0.0000 | P   | 173. |

$$y = 2.0718\text{E-}006 * x + 4.3872\text{E-}006$$

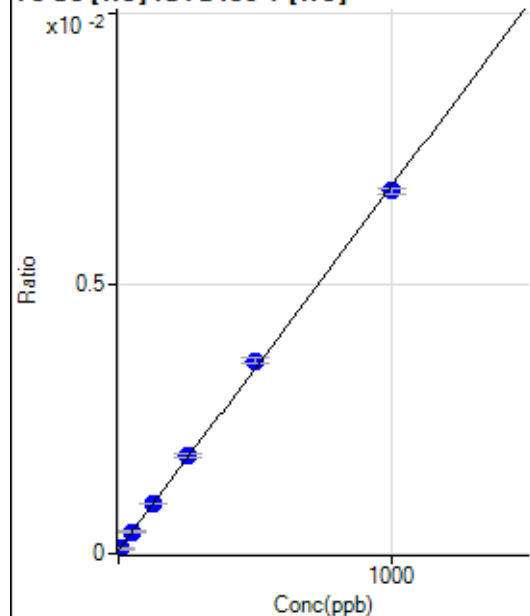
$$R = 0.9995$$

$$DL = 6.19$$

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      | 48.01   | 0.0001 | P   | 6.5  |
| 2 | <input type="checkbox"/> | 5.000    | 3.804      | 68.34   | 0.0001 | P   | 14.7 |
| 3 | <input type="checkbox"/> | 50.000   | 50.411     | 315.04  | 0.0004 | P   | 4.2  |
| 4 | <input type="checkbox"/> | 125.000  | 128.113    | 724.43  | 0.0009 | P   | 2.4  |
| 5 | <input type="checkbox"/> | 250.000  | 260.212    | 1413.89 | 0.0018 | P   | 2.3  |
| 6 | <input type="checkbox"/> | 500.000  | 519.826    | 2882.93 | 0.0036 | P   | 3.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 987.130    | 5387.24 | 0.0067 | P   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 49.01   | 0.0001 | P   | 2.3  |

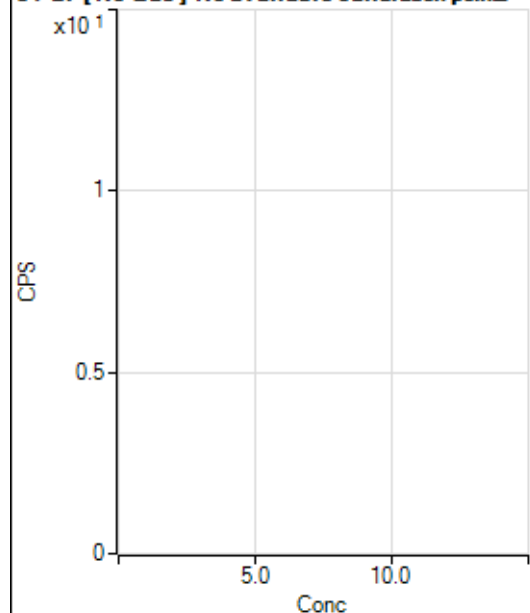
$$y = 6.7379\text{E-}006 * x + 6.3426\text{E-}005$$

$$R = 0.9996$$

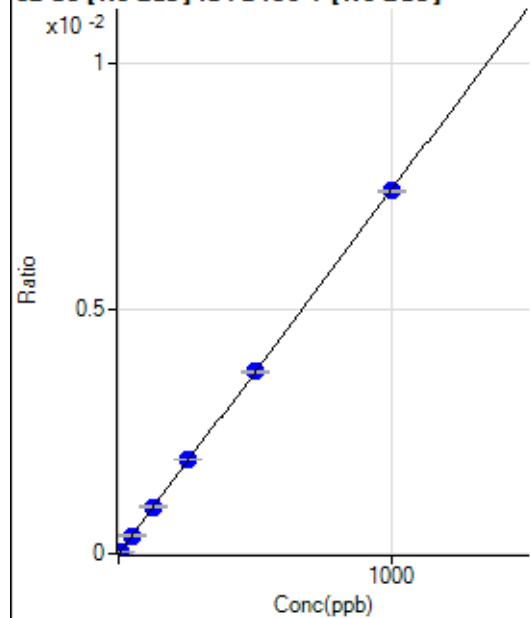
$$DL = 1.822$$

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"/> |       |            | 2853.24 |       | P        | 5.3  |
| 2 | <input type="checkbox"/> |       |            | 2766.48 |       | P        | 4.0  |
| 3 | <input type="checkbox"/> |       |            | 2683.02 |       | P        | 1.0  |
| 4 | <input type="checkbox"/> |       |            | 2963.39 |       | P        | 6.2  |
| 5 | <input type="checkbox"/> |       |            | 2719.74 |       | P        | 5.7  |
| 6 | <input type="checkbox"/> |       |            | 2980.07 |       | P        | 10.8 |
| 7 | <input type="checkbox"/> |       |            | 2863.25 |       | P        | 4.0  |
| 8 | <input type="checkbox"/> |       |            | 3003.43 |       | P        | 12.5 |

**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      | 2.30     | 0.0000 | P        | 194. |
| 2 | <input type="checkbox"/> | 5.000    | 5.866      | 293.92   | 0.0000 | P        | 24.7 |
| 3 | <input type="checkbox"/> | 50.000   | 50.121     | 2548.63  | 0.0004 | P        | 3.8  |
| 4 | <input type="checkbox"/> | 125.000  | 128.895    | 6546.18  | 0.0010 | P        | 2.7  |
| 5 | <input type="checkbox"/> | 250.000  | 259.521    | 13098.97 | 0.0019 | P        | 0.3  |
| 6 | <input type="checkbox"/> | 500.000  | 500.468    | 26274.97 | 0.0037 | P        | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.889    | 51708.74 | 0.0074 | P        | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 94.69    | 0.0000 | P        | 20.2 |

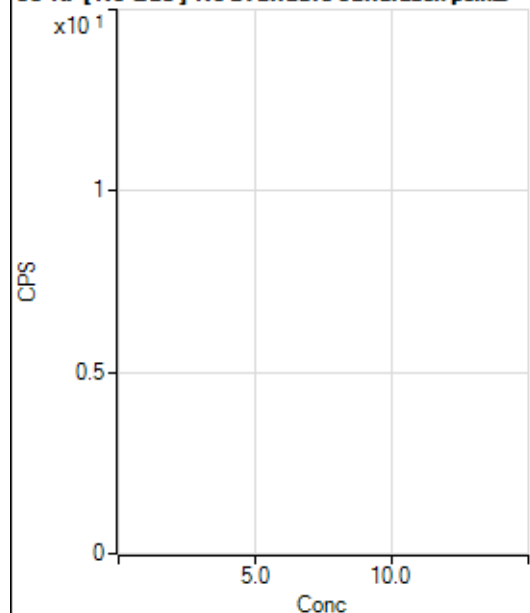
$$y = 7.4257E-006 * x + 3.3171E-007$$

$$R = 0.9999$$

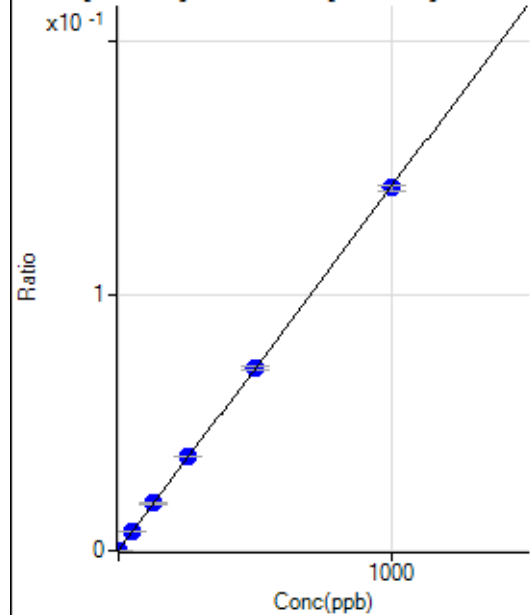
$$DL = 0.2608$$

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"/> |       |            | 424.46 |       | P        | 6.3  |
| 2 | <input type="checkbox"/> |       |            | 393.34 |       | P        | 9.2  |
| 3 | <input type="checkbox"/> |       |            | 420.01 |       | P        | 10.7 |
| 4 | <input type="checkbox"/> |       |            | 444.46 |       | P        | 7.6  |
| 5 | <input type="checkbox"/> |       |            | 384.45 |       | P        | 2.6  |
| 6 | <input type="checkbox"/> |       |            | 400.01 |       | P        | 3.3  |
| 7 | <input type="checkbox"/> |       |            | 433.35 |       | P        | 5.0  |
| 8 | <input type="checkbox"/> |       |            | 374.45 |       | P        | 7.6  |

**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      | 791.71    | 0.0001 | P        | 6.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.842      | 1577.91   | 0.0002 | P        | 2.3 |
| 3 | <input type="checkbox"/> | 50.000   | 49.974     | 49613.51  | 0.0073 | P        | 1.9 |
| 4 | <input type="checkbox"/> | 125.000  | 128.958    | 126704.15 | 0.0185 | P        | 1.5 |
| 5 | <input type="checkbox"/> | 250.000  | 257.075    | 250262.24 | 0.0368 | P        | 0.2 |
| 6 | <input type="checkbox"/> | 500.000  | 503.428    | 509064.03 | 0.0720 | P        | 2.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 996.024    | 994239.16 | 0.1423 | P        | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 7060.27   | 0.0011 | P        | 1.6 |

$$y = 1.4280E-004 * x + 1.1515E-004$$

$$R = 1.0000$$

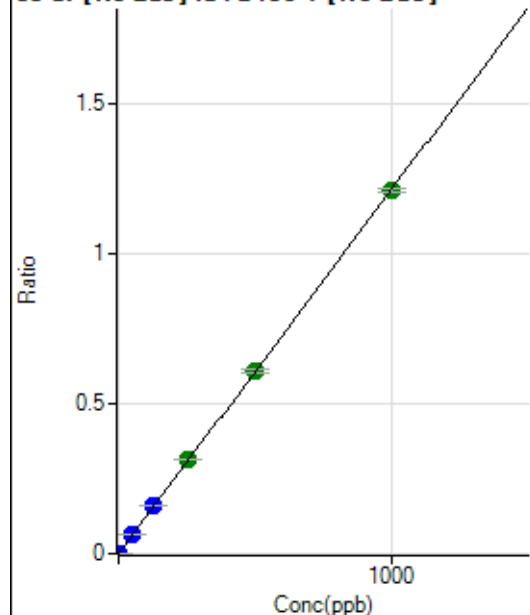
$$DL = 0.1447$$

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      | 125.01     | 0.0000 | P   | 22.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.019      | 8402.72    | 0.0013 | P   | 4.6  |
| 3 | <input type="checkbox"/> | 50.000   | 51.642     | 428379.57  | 0.0626 | P   | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 130.321    | 1080117.06 | 0.1580 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 257.890    | 2124268.49 | 0.3126 | A   | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 502.116    | 4302546.32 | 0.6086 | A   | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.222    | 8434312.26 | 1.2074 | A   | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 52468.55   | 0.0078 | P   | 4.3  |

$$y = 0.0012 * x + 1.8157E-005$$

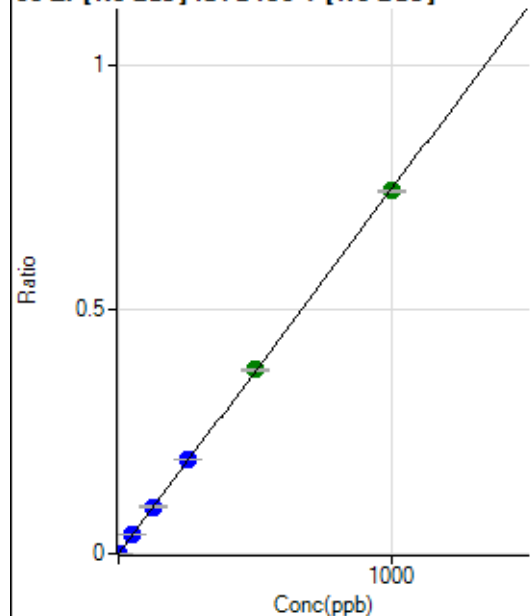
$$R = 1.0000$$

$$DL = 0.01001$$

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      | 183.34     | 0.0000 | P   | 11.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.985      | 5103.85    | 0.0008 | P   | 0.8  |
| 3 | <input type="checkbox"/> | 50.000   | 50.687     | 258745.84  | 0.0378 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 128.969    | 657622.72  | 0.0962 | P   | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 257.466    | 1304696.82 | 0.1920 | P   | 0.2  |
| 6 | <input type="checkbox"/> | 500.000  | 504.741    | 2660556.92 | 0.3763 | A   | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.232    | 5183037.61 | 0.7420 | A   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 3414.43    | 0.0005 | P   | 16.2 |

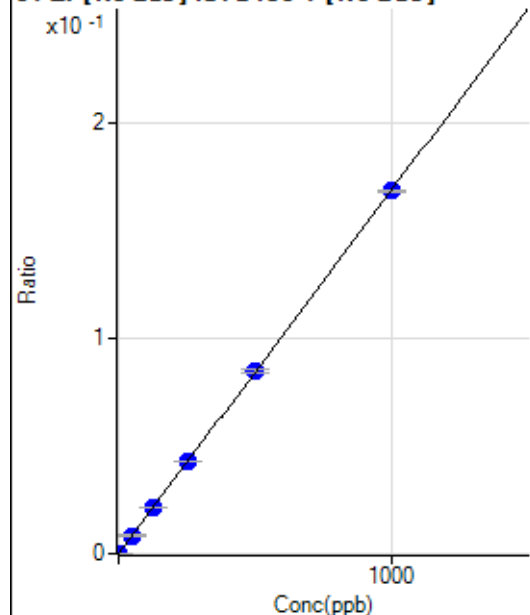
$$y = 7.4556E-004 * x + 2.6648E-005$$

$$R = 0.9999$$

$$DL = 0.01232$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 44.44      | 0.0000 | P    | 60.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.000      | 1175.08    | 0.0002 | P    | 12.7 |
| 3 | <input type="checkbox"/> | 50.000   | 50.139     | 57957.37   | 0.0085 | P    | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 126.884    | 146502.91  | 0.0214 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 254.735    | 292278.67  | 0.0430 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 500.978    | 597905.78  | 0.0846 | P    | 2.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.085    | 1176944.91 | 0.1685 | P    | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 858.38     | 0.0001 | P    | 20.3 |

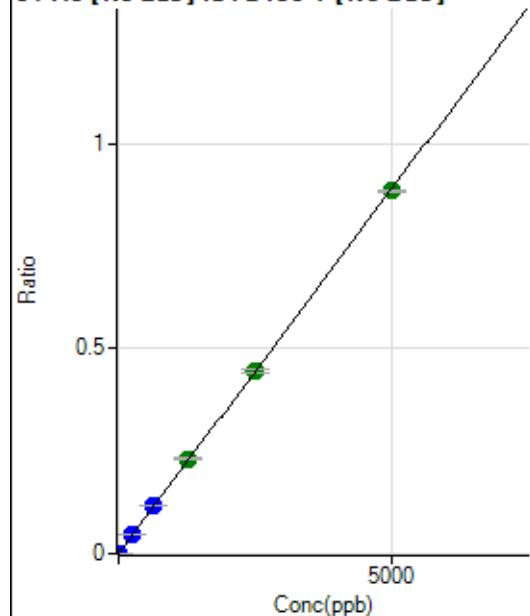
$$y = 1.6881\text{E-}004 * x + 6.4772\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.06997$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 111.12     | 0.0000 | P    | 15.2 |
| 2 | <input type="checkbox"/> | 5.000    | 4.820      | 5854.20    | 0.0009 | P    | 7.1  |
| 3 | <input type="checkbox"/> | 250.000  | 256.010    | 311725.56  | 0.0456 | P    | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 656.652    | 798889.08  | 0.1168 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 1250.000 | 1305.007   | 1577745.01 | 0.2322 | A    | 1.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2512.458   | 3160010.07 | 0.4470 | A    | 2.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 4975.762   | 6182963.29 | 0.8852 | A    | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 4022.92    | 0.0006 | P    | 19.1 |

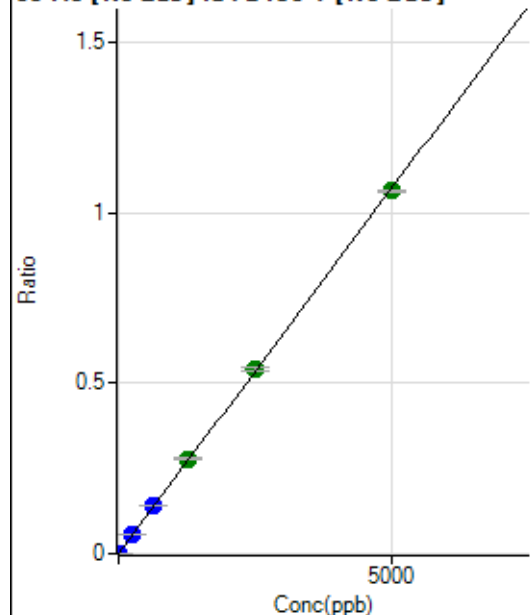
$$y = 1.7790\text{E-}004 * x + 1.6151\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.04139$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 33.33      | 0.0000 | P    | 25.0 |
| 2 | <input type="checkbox"/> | 5.000    | 4.812      | 6946.34    | 0.0010 | P    | 0.2  |
| 3 | <input type="checkbox"/> | 250.000  | 260.860    | 382537.77  | 0.0559 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 625.000  | 658.895    | 965567.15  | 0.1412 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 1250.000 | 1301.237   | 1895109.02 | 0.2789 | A    | 1.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2529.205   | 3832048.91 | 0.5420 | A    | 1.7  |
| 7 | <input type="checkbox"/> | 5000.000 | 4967.808   | 7436512.23 | 1.0647 | A    | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 4795.41    | 0.0007 | P    | 18.1 |

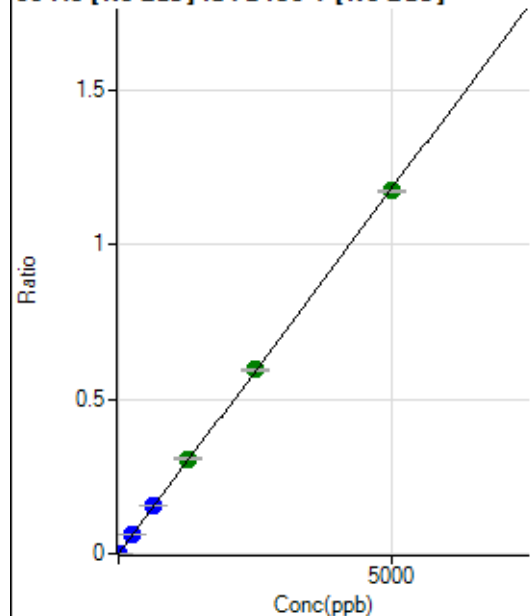
$$y = 2.1431E-004 * x + 4.8463E-006$$

$$R = 0.9999$$

$$DL = 0.01697$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 52.78      | 0.0000 | P    | 35.6 |
| 2 | <input type="checkbox"/> | 5.000    | 4.861      | 7738.44    | 0.0012 | P    | 3.3  |
| 3 | <input type="checkbox"/> | 250.000  | 258.708    | 417534.64  | 0.0610 | P    | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 655.338    | 1056887.17 | 0.1546 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 1250.000 | 1304.053   | 2090123.51 | 0.3076 | A    | 1.5  |
| 6 | <input type="checkbox"/> | 2500.000 | 2521.099   | 4203650.70 | 0.5946 | A    | 0.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 4971.710   | 8190601.75 | 1.1726 | A    | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 5948.69    | 0.0009 | P    | 13.3 |

$$y = 2.3585E-004 * x + 7.6612E-006$$

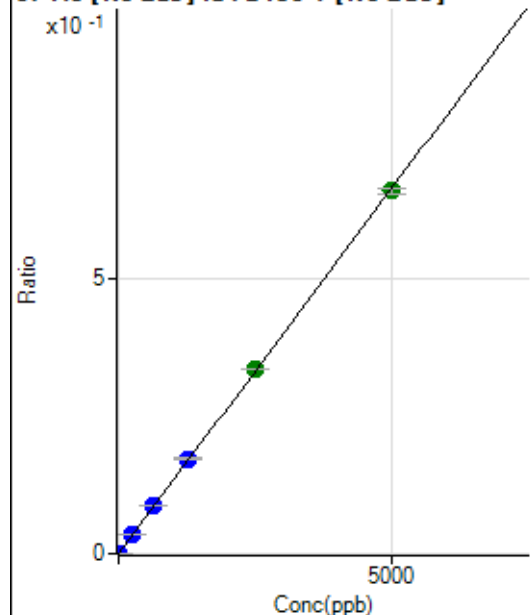
$$R = 0.9999$$

$$DL = 0.03472$$

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      | 19.45      | 0.0000 | P    | 23.9 |
| 2 | <input type="checkbox"/> | 5.000    | 4.673      | 4181.30    | 0.0006 | P    | 6.5  |
| 3 | <input type="checkbox"/> | 250.000  | 254.022    | 231037.90  | 0.0338 | P    | 1.1  |
| 4 | <input type="checkbox"/> | 625.000  | 649.023    | 589894.90  | 0.0863 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1303.050   | 1177020.45 | 0.1732 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2528.849   | 2376490.44 | 0.3361 | A    | 0.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 4969.109   | 4613157.31 | 0.6605 | A    | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 2928.17    | 0.0004 | P    | 21.4 |

$$y = 1.3292\text{E-}004 * x + 2.8244\text{E-}006$$

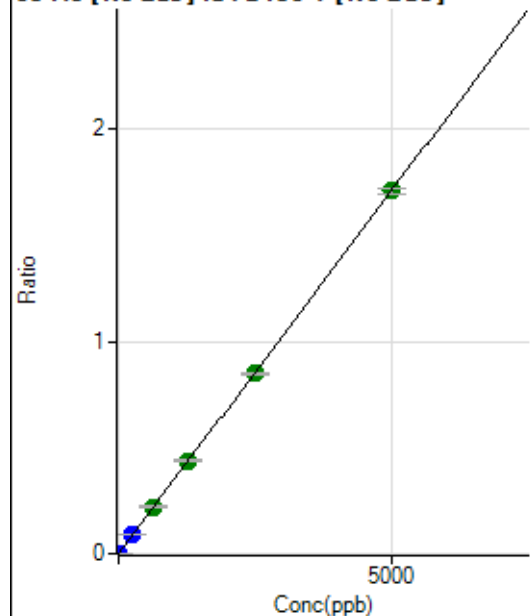
$$R = 0.9999$$

$$DL = 0.01524$$

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      | 8.33        | 0.0000 | P    | 99.6 |
| 2 | <input type="checkbox"/> | 5.000    | 4.964      | 11382.73    | 0.0017 | P    | 0.7  |
| 3 | <input type="checkbox"/> | 250.000  | 256.014    | 598754.20   | 0.0875 | P    | 0.5  |
| 4 | <input type="checkbox"/> | 625.000  | 645.259    | 1508118.99  | 0.2206 | A    | 2.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1278.182   | 2968951.67  | 0.4369 | A    | 1.2  |
| 6 | <input type="checkbox"/> | 2500.000 | 2482.780   | 5999764.50  | 0.8486 | A    | 0.7  |
| 7 | <input type="checkbox"/> | 5000.000 | 4998.731   | 11933708.77 | 1.7086 | A    | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 7905.28     | 0.0012 | P    | 18.3 |

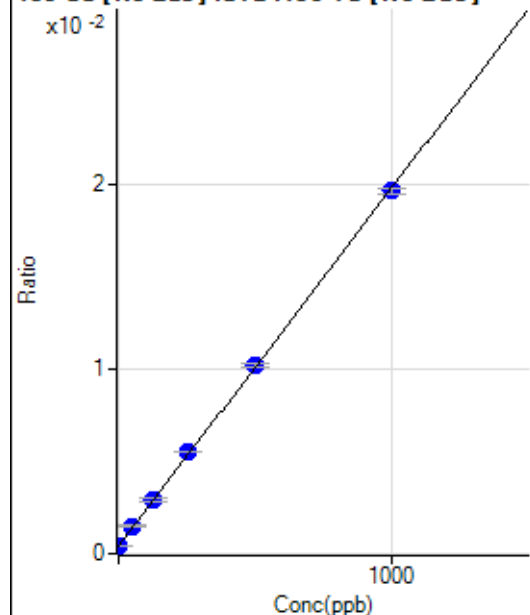
$$y = 3.4180\text{E-}004 * x + 1.2062\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.01055$$

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      | 1558.47  | 0.0004 | P   | 8.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.582      | 1639.04  | 0.0004 | P   | 1.0 |
| 3 | <input type="checkbox"/> | 50.000   | 56.046     | 5720.80  | 0.0015 | P   | 6.2 |
| 4 | <input type="checkbox"/> | 125.000  | 129.495    | 11165.90 | 0.0029 | P   | 5.6 |
| 5 | <input type="checkbox"/> | 250.000  | 264.586    | 21216.78 | 0.0055 | P   | 0.8 |
| 6 | <input type="checkbox"/> | 500.000  | 505.987    | 40275.95 | 0.0102 | P   | 1.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 992.495    | 77509.54 | 0.0196 | P   | 1.5 |
| 8 | <input type="checkbox"/> |          |            | 1672.36  | 0.0004 | P   | 7.3 |

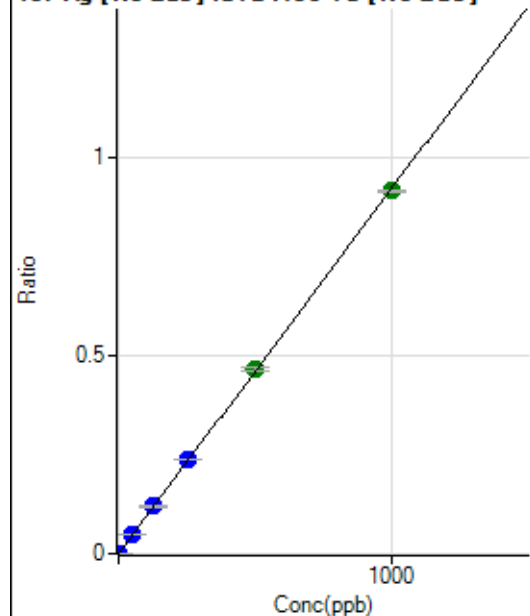
$$y = 1.9347E-005 * x + 4.0755E-004$$

$$R = 0.9999$$

$$DL = 5.417$$

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      | 44.44      | 0.0000 | P   | 75.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.979      | 3419.96    | 0.0009 | P   | 4.2  |
| 3 | <input type="checkbox"/> | 50.000   | 51.281     | 181445.54  | 0.0473 | P   | 2.0  |
| 4 | <input type="checkbox"/> | 125.000  | 129.328    | 457213.24  | 0.1193 | P   | 2.1  |
| 5 | <input type="checkbox"/> | 250.000  | 258.109    | 913738.35  | 0.2380 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 506.051    | 1843138.19 | 0.4666 | A   | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.342    | 3624000.60 | 0.9168 | A   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 3417.19    | 0.0009 | P   | 17.8 |

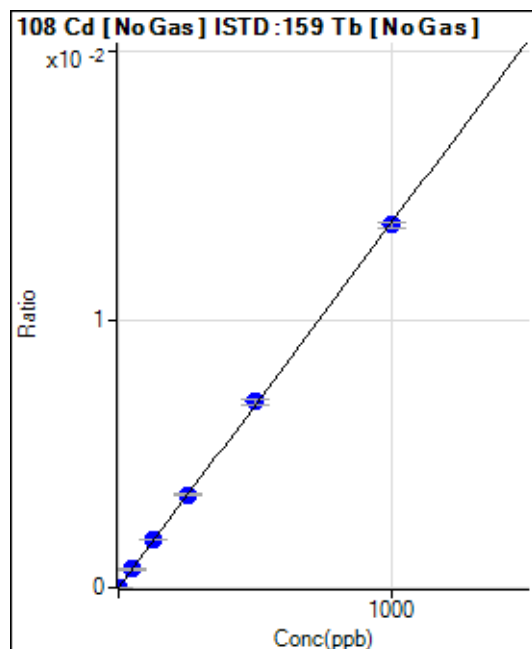
$$y = 9.2205E-004 * x + 1.1634E-005$$

$$R = 0.9999$$

$$DL = 0.02856$$

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      | 13.89    | 0.0000 | P    | 16.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.073      | 68.05    | 0.0000 | P    | 42.6 |
| 3 | <input type="checkbox"/> | 50.000   | 50.328     | 2640.57  | 0.0007 | P    | 4.2  |
| 4 | <input type="checkbox"/> | 125.000  | 130.142    | 6805.93  | 0.0018 | P    | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 254.772    | 13321.86 | 0.0035 | P    | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 508.356    | 27332.70 | 0.0069 | P    | 3.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.970    | 53468.33 | 0.0135 | P    | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 90.28    | 0.0000 | P    | 41.6 |

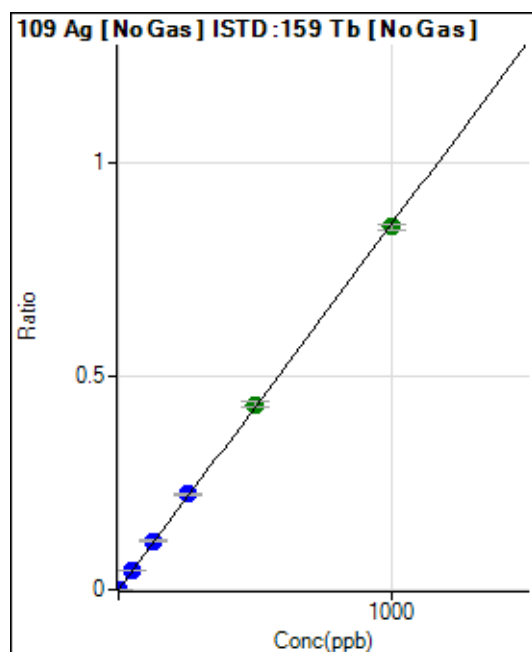
$$y = 1.3606\text{E-}005 * x + 3.6296\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.1347$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 47.22      | 0.0000 | P    | 61.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.986      | 3200.47    | 0.0009 | P    | 2.1  |
| 3 | <input type="checkbox"/> | 50.000   | 51.541     | 169099.12  | 0.0441 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 132.182    | 433190.62  | 0.1130 | P    | 3.1  |
| 5 | <input type="checkbox"/> | 250.000  | 262.301    | 860919.28  | 0.2243 | P    | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 506.454    | 1710071.76 | 0.4330 | A    | 2.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.723    | 3354522.04 | 0.8487 | A    | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 3064.32    | 0.0008 | P    | 8.3  |

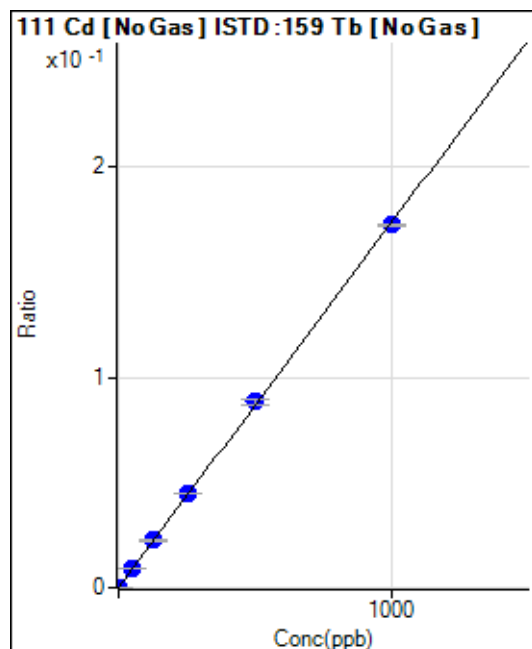
$$y = 8.5492\text{E-}004 * x + 1.2298\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.02655$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 313.08    | 0.0001 | P    | 8.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.025      | 971.87    | 0.0003 | P    | 8.4 |
| 3 | <input type="checkbox"/> | 50.000   | 50.863     | 34194.25  | 0.0089 | P    | 0.5 |
| 4 | <input type="checkbox"/> | 125.000  | 129.693    | 86601.02  | 0.0226 | P    | 3.7 |
| 5 | <input type="checkbox"/> | 250.000  | 256.392    | 171208.94 | 0.0446 | P    | 0.4 |
| 6 | <input type="checkbox"/> | 500.000  | 508.473    | 348949.38 | 0.0884 | P    | 2.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 993.536    | 682096.85 | 0.1726 | P    | 0.5 |
| 8 | <input type="checkbox"/> |          |            | 825.47    | 0.0002 | P    | 6.2 |

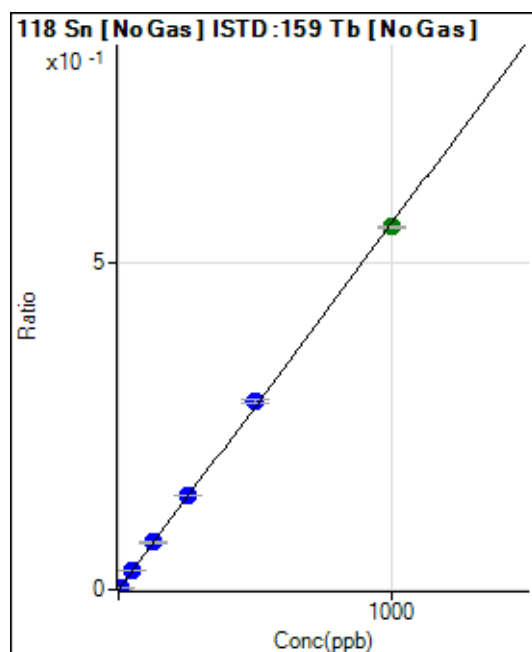
$$y = 1.7360\text{E-}004 * x + 8.1864\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.1175$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 219.45     | 0.0001 | P    | 8.8  |
| 2 | <input type="checkbox"/> | 5.000    | 4.944      | 10571.06   | 0.0028 | P    | 2.8  |
| 3 | <input type="checkbox"/> | 50.000   | 50.656     | 109029.51  | 0.0284 | P    | 2.4  |
| 4 | <input type="checkbox"/> | 125.000  | 130.051    | 279359.18  | 0.0729 | P    | 2.7  |
| 5 | <input type="checkbox"/> | 250.000  | 257.440    | 553669.56  | 0.1442 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 513.228    | 1135334.17 | 0.2874 | P    | 1.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.862    | 2193301.79 | 0.5549 | A    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 1808.50    | 0.0005 | P    | 13.2 |

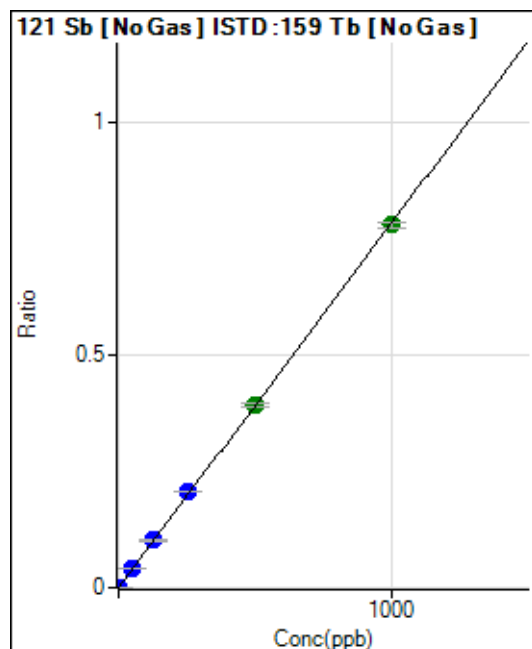
$$y = 5.5994\text{E-}004 * x + 5.7348\text{E-}005$$

$$R = 0.9998$$

$$DL = 0.02693$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.00      | 0.0000 | P    | 33.1 |
| 2 | <input type="checkbox"/> | 2.000    | 1.996      | 5881.96    | 0.0016 | P    | 0.6  |
| 3 | <input type="checkbox"/> | 50.000   | 51.342     | 154527.09  | 0.0403 | P    | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 130.633    | 392742.40  | 0.1025 | P    | 3.1  |
| 5 | <input type="checkbox"/> | 250.000  | 262.469    | 790385.16  | 0.2059 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 501.726    | 1554224.04 | 0.3935 | A    | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.248    | 3085494.65 | 0.7806 | A    | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 3822.87    | 0.0010 | P    | 9.0  |

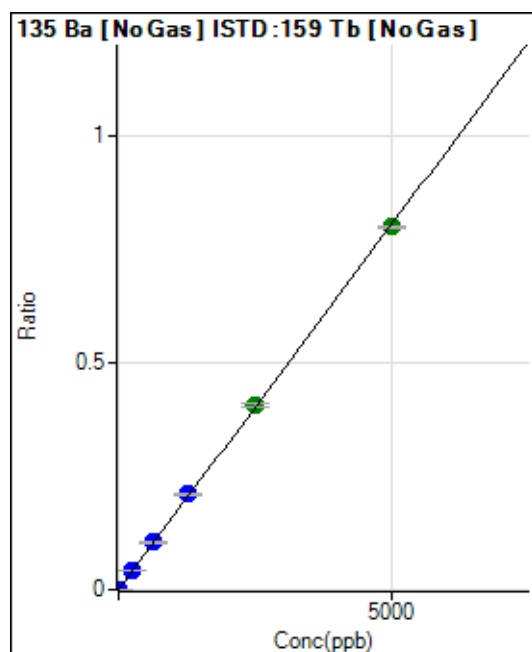
$$y = 7.8433\text{E-}004 * x + 6.5355\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.008264$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.00      | 0.0000 | P    | 33.1 |
| 2 | <input type="checkbox"/> | 10.000   | 9.663      | 5829.20    | 0.0016 | P    | 5.9  |
| 3 | <input type="checkbox"/> | 250.000  | 255.563    | 157514.18  | 0.0411 | P    | 1.6  |
| 4 | <input type="checkbox"/> | 625.000  | 652.868    | 401970.99  | 0.1049 | P    | 3.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1305.717   | 805182.62  | 0.2097 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2528.949   | 1604470.66 | 0.4062 | A    | 1.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 4967.835   | 3154061.70 | 0.7980 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 7165.99    | 0.0019 | P    | 7.9  |

$$y = 1.6062\text{E-}004 * x + 6.5355\text{E-}006$$

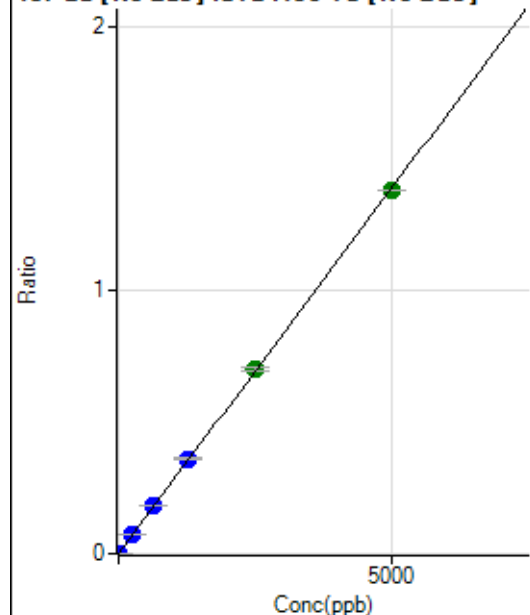
$$R = 0.9999$$

$$DL = 0.04035$$

Weight: <None>

Min Conc: 0



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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 19.44      | 0.0000 | P    | 48.9 |
| 2 | <input type="checkbox"/> | 10.000   | 9.736      | 10104.02   | 0.0027 | P    | 0.4  |
| 3 | <input type="checkbox"/> | 250.000  | 254.444    | 270320.37  | 0.0705 | P    | 1.7  |
| 4 | <input type="checkbox"/> | 625.000  | 658.198    | 698512.49  | 0.1823 | P    | 3.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1300.362   | 1382417.85 | 0.3601 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2531.229   | 2768247.98 | 0.7009 | A    | 2.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4967.424   | 5437034.85 | 1.3755 | A    | 0.2  |
| 8 | <input type="checkbox"/> |          |            | 12422.77   | 0.0033 | P    | 12.2 |

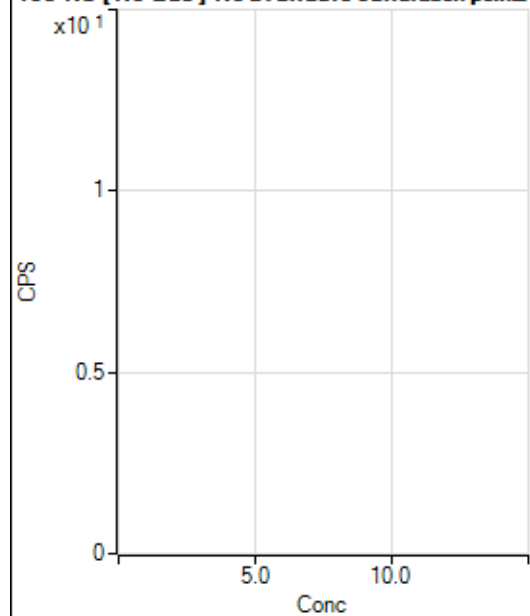
$$y = 2.7690E-004 * x + 5.0651E-006$$

$$R = 0.9999$$

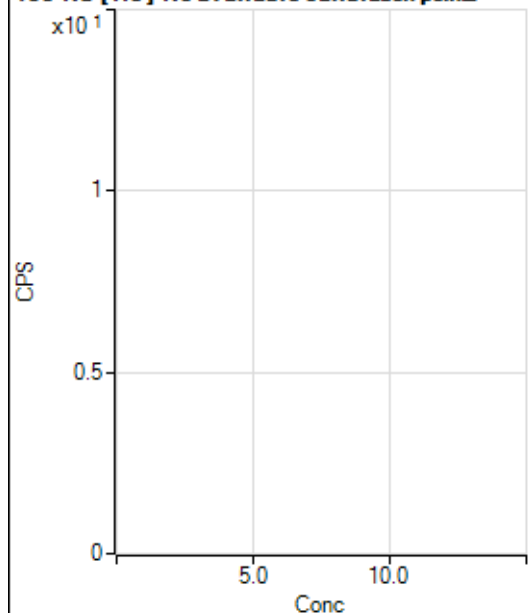
$$DL = 0.02683$$

Weight: &lt;None&gt;

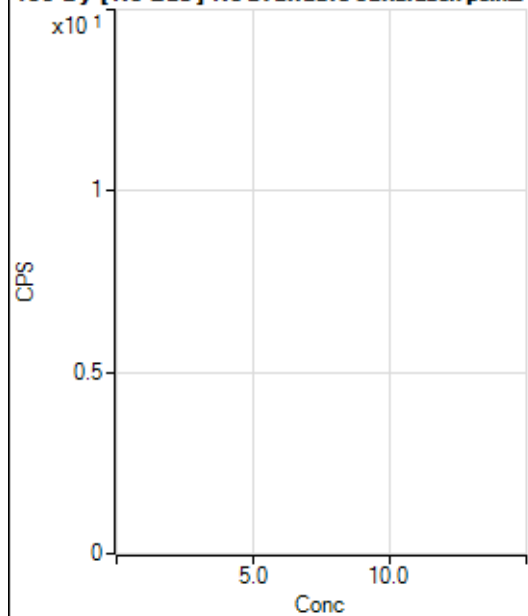
Min Conc: 0

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

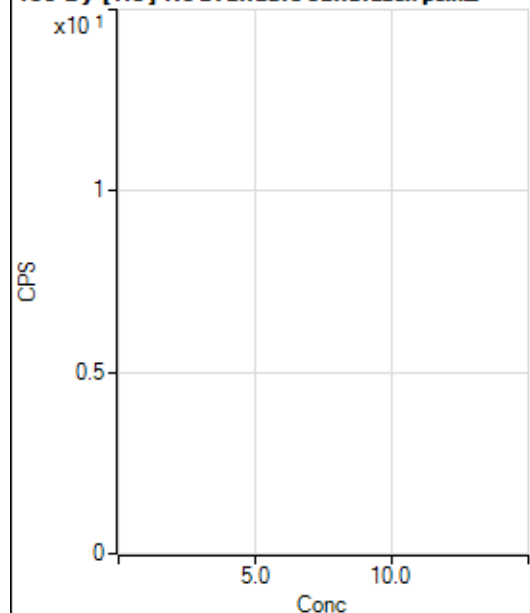
|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS    | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|--------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 11.11  |       | P    | 34.6 |
| 2 | <input type="checkbox"/> |       |            | 11.11  |       | P    | 124. |
| 3 | <input type="checkbox"/> |       |            | 15.56  |       | P    | 49.5 |
| 4 | <input type="checkbox"/> |       |            | 20.00  |       | P    | 100. |
| 5 | <input type="checkbox"/> |       |            | 46.67  |       | P    | 42.9 |
| 6 | <input type="checkbox"/> |       |            | 55.56  |       | P    | 54.1 |
| 7 | <input type="checkbox"/> |       |            | 111.11 |       | P    | 43.4 |
| 8 | <input type="checkbox"/> |       |            | 8.89   |       | P    | 114. |

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

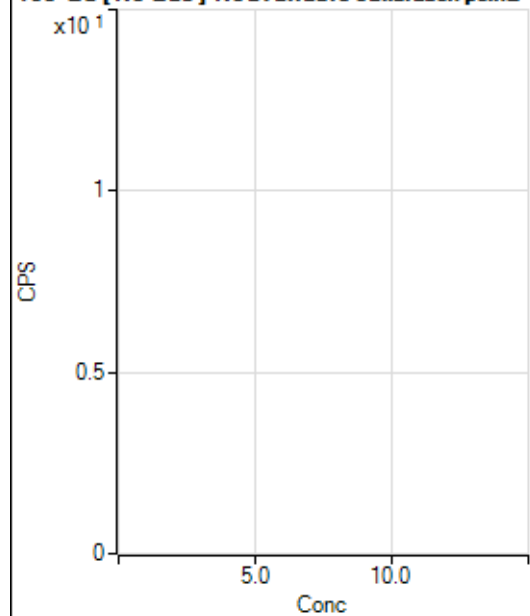
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 4.45  |       | P        | 86.6 |
| 5 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 100. |
| 6 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 100. |
| 7 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 43.3 |
| 8 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 114. |

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

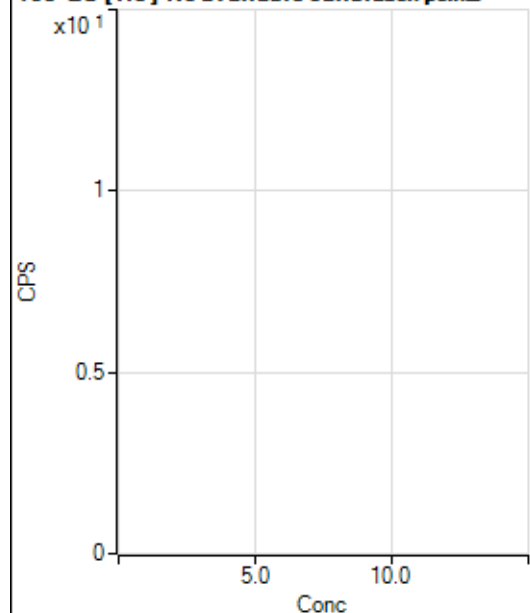
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 17.3 |
| 2 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 66.7 |
| 3 | <input type="checkbox"/> |       |            | 30.55  |       | P        | 68.6 |
| 4 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 25.0 |
| 5 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 65.5 |
| 6 | <input type="checkbox"/> |       |            | 63.89  |       | P        | 15.1 |
| 7 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 37.9 |
| 8 | <input type="checkbox"/> |       |            | 180.56 |       | P        | 11.6 |

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

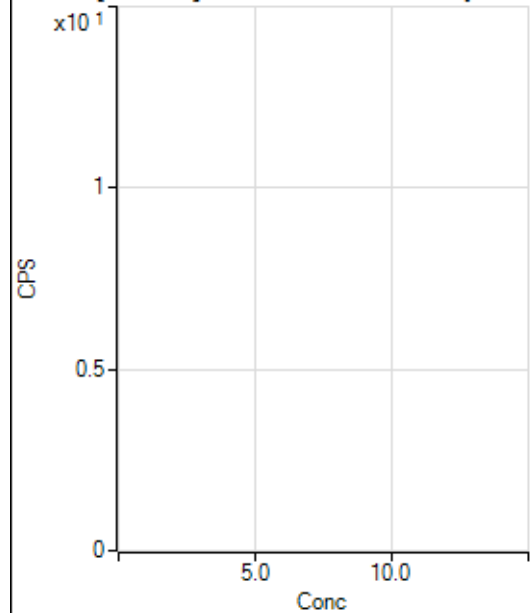
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 50.0 |
| 4 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 0.0  |
| 5 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 34.6 |
| 6 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 71.3 |
| 7 | <input type="checkbox"/> |       |            | 21.11 |       | P        | 48.2 |
| 8 | <input type="checkbox"/> |       |            | 96.67 |       | P        | 12.4 |

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

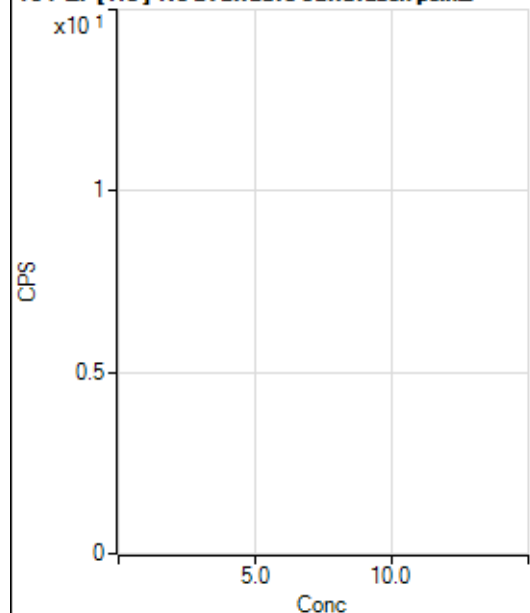
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 44.6 |
| 2 | <input type="checkbox"/> |       |            | 63.89  |       | P        | 30.1 |
| 3 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 53.9 |
| 4 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 26.7 |
| 5 | <input type="checkbox"/> |       |            | 44.45  |       | P        | 47.2 |
| 6 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 35.3 |
| 7 | <input type="checkbox"/> |       |            | 105.56 |       | P        | 39.7 |
| 8 | <input type="checkbox"/> |       |            | 211.12 |       | P        | 26.9 |

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

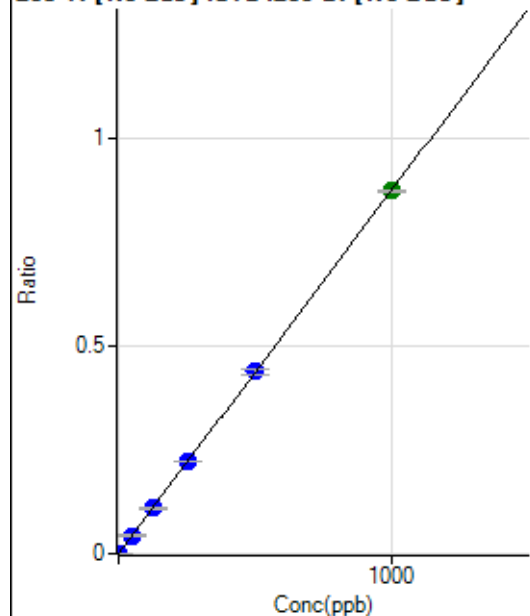
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 6.66   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 15.7 |
| 3 | <input type="checkbox"/> |       |            | 14.45  |       | P        | 48.0 |
| 4 | <input type="checkbox"/> |       |            | 13.33  |       | P        | 43.3 |
| 5 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 56.8 |
| 6 | <input type="checkbox"/> |       |            | 23.33  |       | P        | 37.8 |
| 7 | <input type="checkbox"/> |       |            | 36.67  |       | P        | 39.6 |
| 8 | <input type="checkbox"/> |       |            | 136.67 |       | P        | 11.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 50.0 |
| 2 | <input type="checkbox"/> |       |            | 19.45 |       | P        | 24.7 |
| 3 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 33.3 |
| 5 | <input type="checkbox"/> |       |            | 19.44 |       | P        | 49.5 |
| 6 | <input type="checkbox"/> |       |            | 41.67 |       | P        | 52.9 |
| 7 | <input type="checkbox"/> |       |            | 52.78 |       | P        | 36.5 |
| 8 | <input type="checkbox"/> |       |            | 30.55 |       | P        | 15.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 114. |
| 2 | <input type="checkbox"/> |       |            | 5.55  |       | P        | 124. |
| 3 | <input type="checkbox"/> |       |            | 15.56 |       | P        | 32.7 |
| 4 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 0.0  |
| 5 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 45.8 |
| 6 | <input type="checkbox"/> |       |            | 15.55 |       | P        | 24.8 |
| 7 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 75.5 |
| 8 | <input type="checkbox"/> |       |            | 23.33 |       | P        | 28.6 |

**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      | 27.78      | 0.0000 | P        | 120. |
| 2 | <input type="checkbox"/> | 1.000    | 0.907      | 1641.82    | 0.0008 | P        | 3.7  |
| 3 | <input type="checkbox"/> | 50.000   | 50.030     | 90528.39   | 0.0438 | P        | 2.1  |
| 4 | <input type="checkbox"/> | 125.000  | 125.246    | 227437.56  | 0.1097 | P        | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 252.342    | 459032.39  | 0.2210 | P        | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 501.458    | 926432.32  | 0.4392 | P        | 2.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.654    | 1825264.47 | 0.8746 | A        | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 2019.66    | 0.0011 | P        | 19.2 |

$$y = 8.7577E-004 * x + 1.3353E-005$$

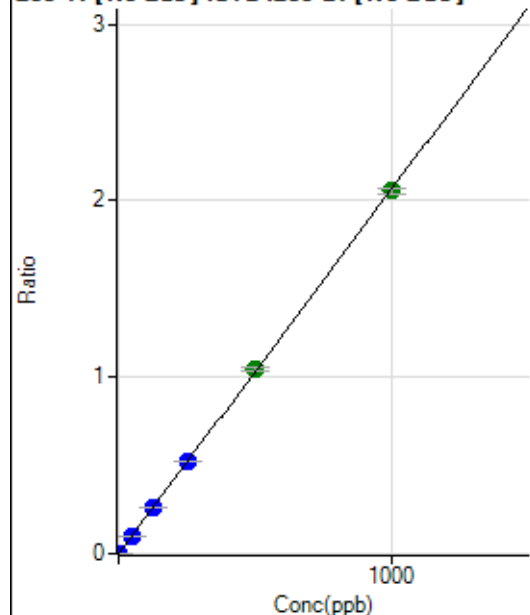
$$R = 1.0000$$

$$DL = 0.05522$$

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      | 36.11      | 0.0000 | P   | 92.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.004      | 4245.27    | 0.0021 | P   | 5.2  |
| 3 | <input type="checkbox"/> | 50.000   | 49.739     | 212079.10  | 0.1027 | P   | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 126.886    | 542959.91  | 0.2619 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 253.500    | 1086644.53 | 0.5232 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 500.000  | 506.487    | 2204878.93 | 1.0453 | A   | 3.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.659    | 4288335.95 | 2.0548 | A   | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 4531.48    | 0.0024 | P   | 10.5 |

$$y = 0.0021 * x + 1.7385E-005$$

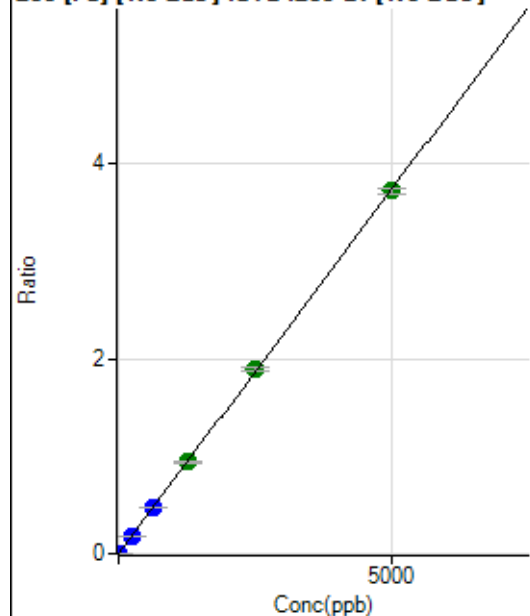
$$R = 1.0000$$

$$DL = 0.02339$$

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      | 353.71     | 0.0002 | P   | 6.7  |
| 2 | <input type="checkbox"/> | 1.000    | 0.932      | 1764.97    | 0.0009 | P   | 4.3  |
| 3 | <input type="checkbox"/> | 250.000  | 245.515    | 379361.89  | 0.1836 | P   | 1.1  |
| 4 | <input type="checkbox"/> | 625.000  | 629.894    | 976351.88  | 0.4709 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1259.044   | 1954589.72 | 0.9411 | A   | 1.5  |
| 6 | <input type="checkbox"/> | 2500.000 | 2529.471   | 3988201.54 | 1.8905 | A   | 2.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 4982.616   | 7771425.46 | 3.7238 | A   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 11531.26   | 0.0060 | P   | 10.0 |

$$y = 7.4732E-004 * x + 1.7114E-004$$

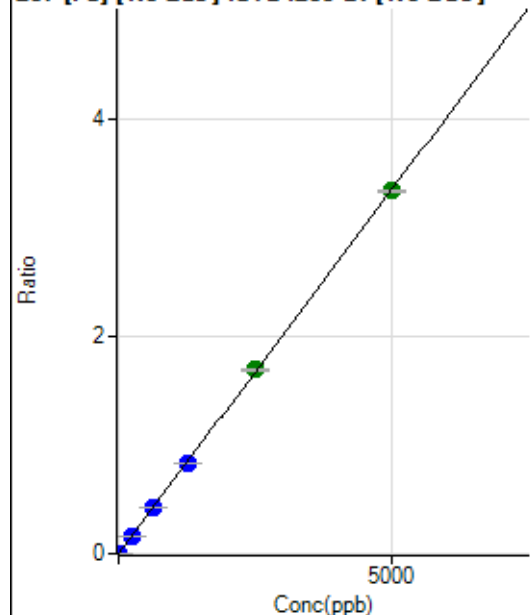
$$R = 1.0000$$

$$DL = 0.0459$$

Weight: &lt;None&gt;

Min Conc: 0

207 [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      | 350.01     | 0.0002 | P   | 7.7  |
| 2 | <input type="checkbox"/> | 1.000    | 0.924      | 1600.14    | 0.0008 | P   | 9.3  |
| 3 | <input type="checkbox"/> | 250.000  | 245.972    | 340017.27  | 0.1646 | P   | 1.6  |
| 4 | <input type="checkbox"/> | 625.000  | 624.344    | 865788.72  | 0.4176 | P   | 0.3  |
| 5 | <input type="checkbox"/> | 1250.000 | 1236.165   | 1716853.41 | 0.8266 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2530.049   | 3568829.04 | 1.6916 | A   | 1.7  |
| 7 | <input type="checkbox"/> | 5000.000 | 4988.718   | 6960671.68 | 3.3353 | A   | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 10296.84   | 0.0054 | P   | 10.1 |

$$y = 6.6853E-004 * x + 1.6915E-004$$

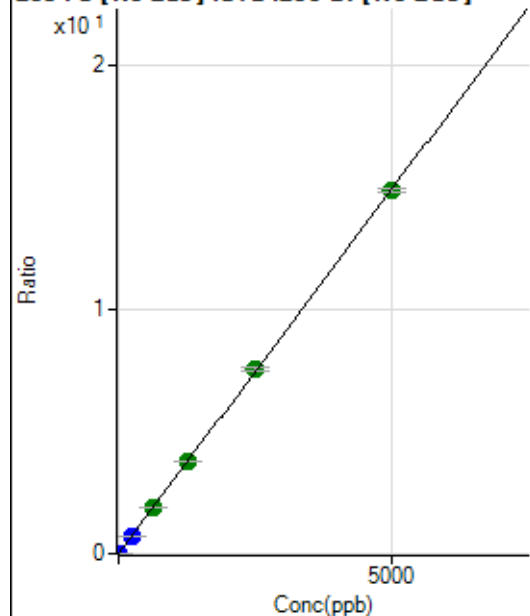
$$R = 1.0000$$

$$DL = 0.0581$$

Weight: &lt;None&gt;

Min Conc: 0

208 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      | 1374.13     | 0.0007  | P   | 3.2  |
| 2 | <input type="checkbox"/> | 1.000    | 0.925      | 6958.26     | 0.0034  | P   | 0.6  |
| 3 | <input type="checkbox"/> | 250.000  | 247.202    | 1523299.55  | 0.7374  | P   | 1.0  |
| 4 | <input type="checkbox"/> | 625.000  | 631.040    | 3901059.83  | 1.8814  | A   | 0.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1261.677   | 7811769.03  | 3.7610  | A   | 0.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2529.227   | 15904913.76 | 7.5389  | A   | 1.7  |
| 7 | <input type="checkbox"/> | 5000.000 | 4981.852   | 30988676.56 | 14.8487 | A   | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 46268.20    | 0.0241  | P   | 10.7 |

$$y = 0.0030 * x + 6.6432E-004$$

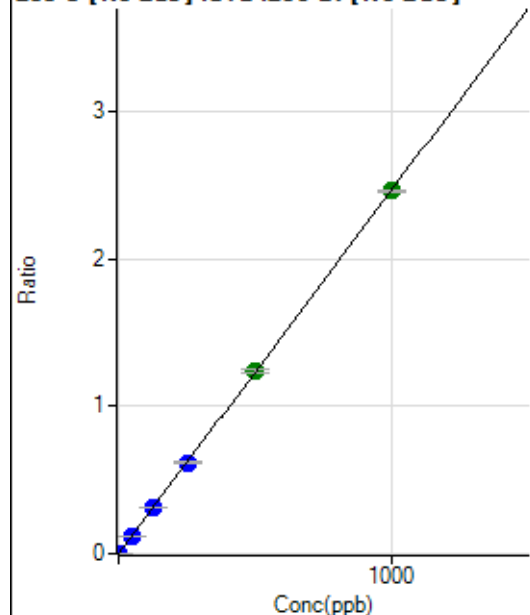
$$R = 1.0000$$

$$DL = 0.02117$$

Weight: &lt;None&gt;

Min Conc: 0

238 U [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      | 22.22      | 0.0000 | P        | 56.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.935      | 4709.31    | 0.0023 | P        | 1.2  |
| 3 | <input type="checkbox"/> | 50.000   | 49.548     | 252304.50  | 0.1221 | P        | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 126.008    | 643995.64  | 0.3106 | P        | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 250.864    | 1284391.78 | 0.6184 | P        | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 502.953    | 2615539.08 | 1.2398 | A        | 2.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.204    | 5135052.76 | 2.4605 | A        | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 2361.39    | 0.0012 | P        | 21.0 |

$$y = 0.0025 * x + 1.0694E-005$$

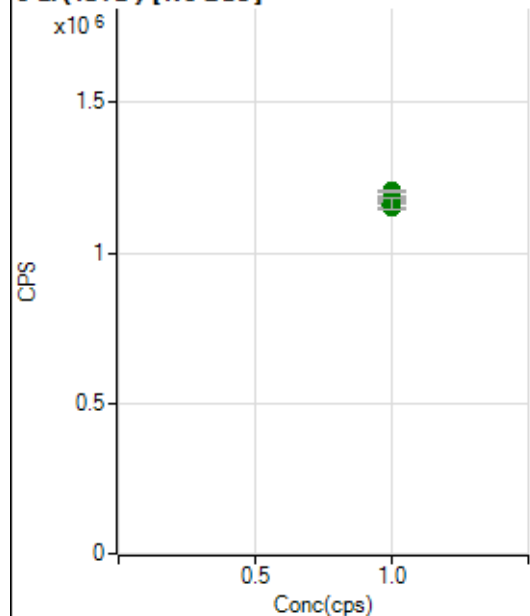
$$R = 1.0000$$

$$DL = 0.007374$$

Weight: &lt;None&gt;

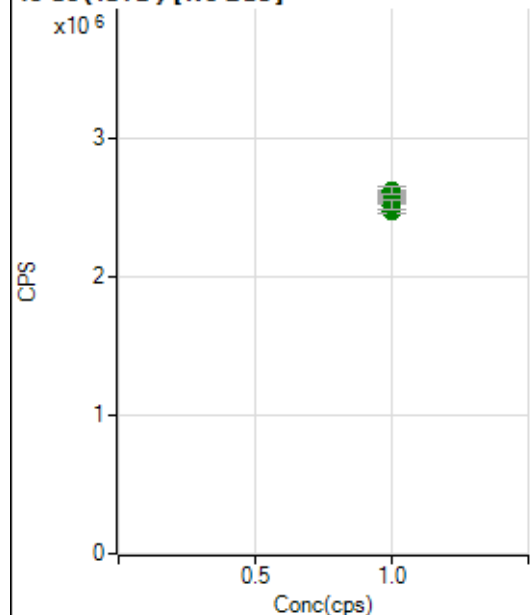
Min Conc: 0

6 Li (ISTD) [No Gas]

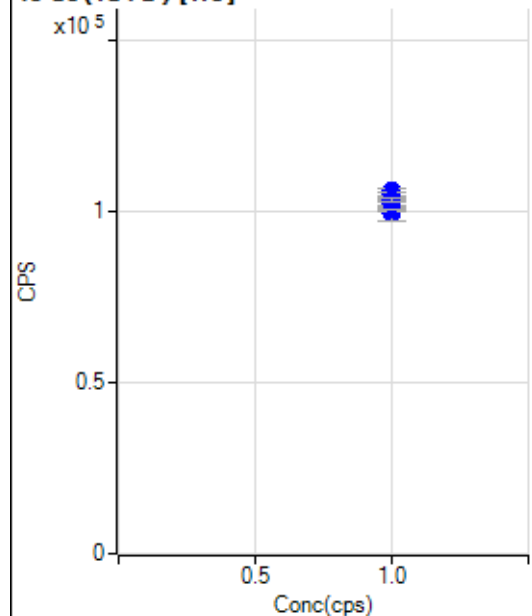


|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1157712.71 |       | A        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1148205.69 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1157760.50 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1181990.94 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1173590.45 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1181551.05 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1206476.52 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1161595.78 |       | A        | 3.2 |

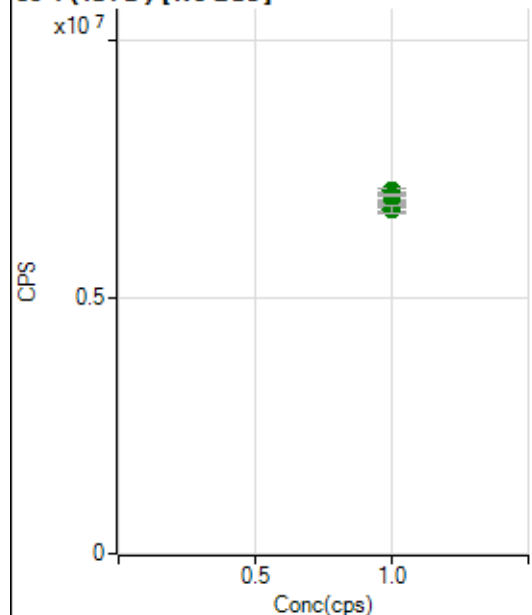


**45 Sc (ISTD) [No Gas]**

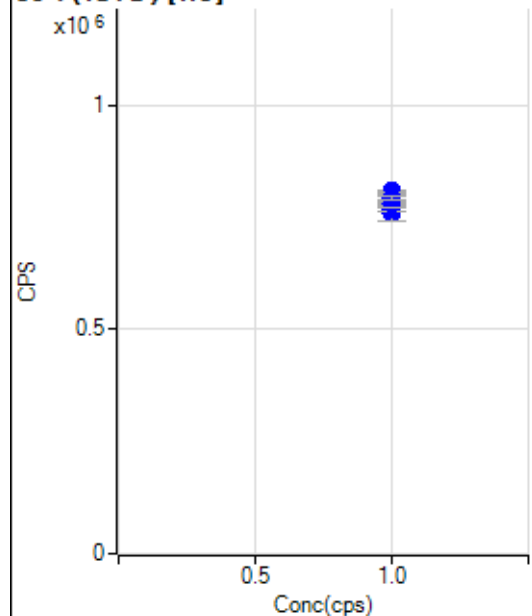
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2528353.31 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2470910.92 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2548917.13 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2587703.63 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2580348.24 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2604820.22 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2616341.87 |       | A        | 2.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2514379.84 |       | A        | 2.8 |

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

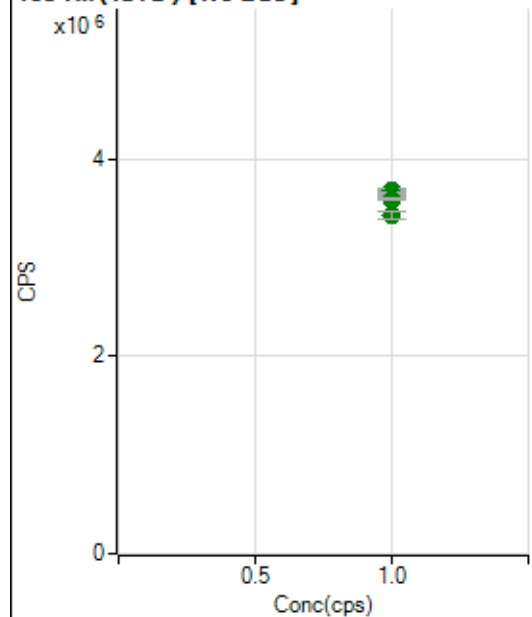
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 99354.37  |       | P        | 4.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 100799.34 |       | P        | 1.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 103287.59 |       | P        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 103391.94 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 102036.98 |       | P        | 2.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 106054.31 |       | P        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 105111.77 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 103421.91 |       | P        | 1.0 |

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

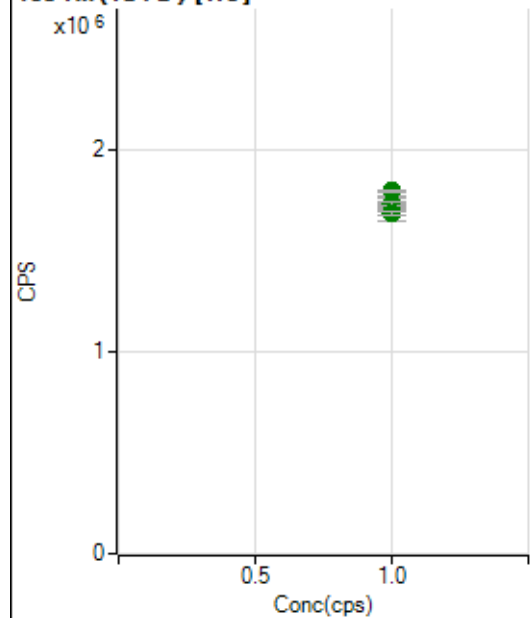
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6877076.01 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6703791.29 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6842352.75 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6838077.61 |       | A        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6795992.19 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7069984.69 |       | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6985032.26 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6702011.78 |       | A        | 1.9 |

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

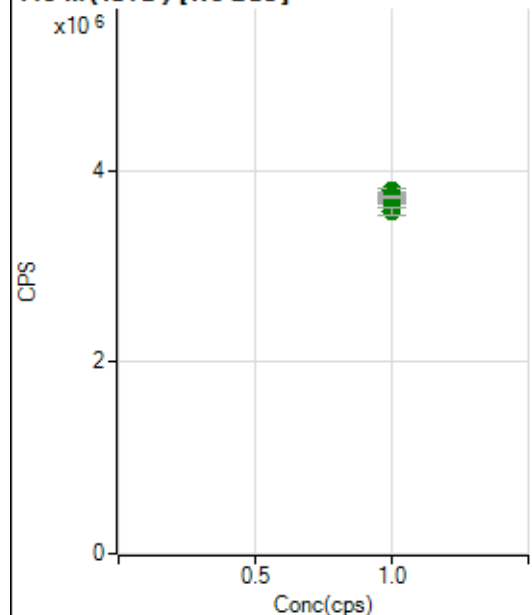
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 758298.39 |       | P        | 4.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 768745.92 |       | P        | 2.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 781662.41 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 781810.85 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 778544.44 |       | P        | 2.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 808388.73 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 802357.99 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 792212.04 |       | P        | 0.8 |

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

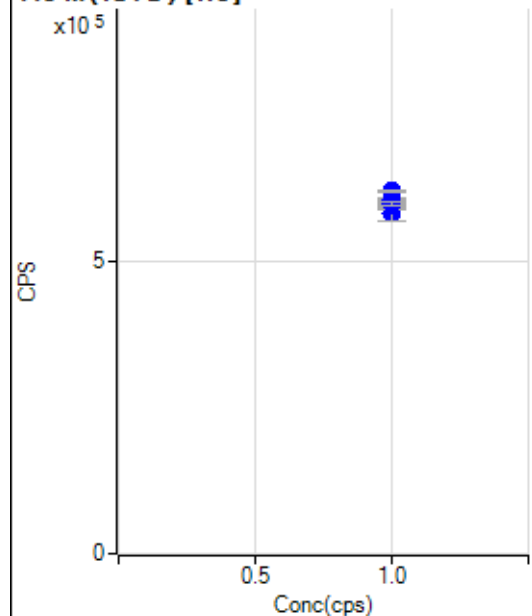
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3636571.17 |       | A        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3606670.05 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3681064.10 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3679802.34 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3634602.86 |       | A        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3654376.21 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3597433.81 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3435652.08 |       | A        | 2.1 |

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

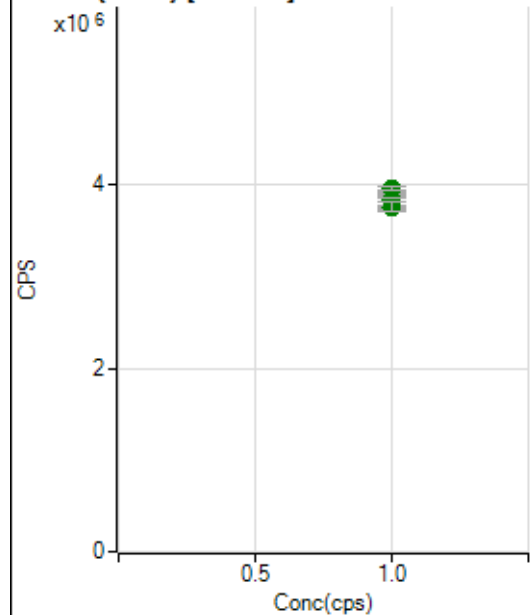
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1694124.23 |       | A        | 5.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1722464.97 |       | A        | 2.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1745959.04 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1760498.77 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1741519.82 |       | A        | 2.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1800169.89 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1737618.17 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1691767.30 |       | A        | 1.3 |

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

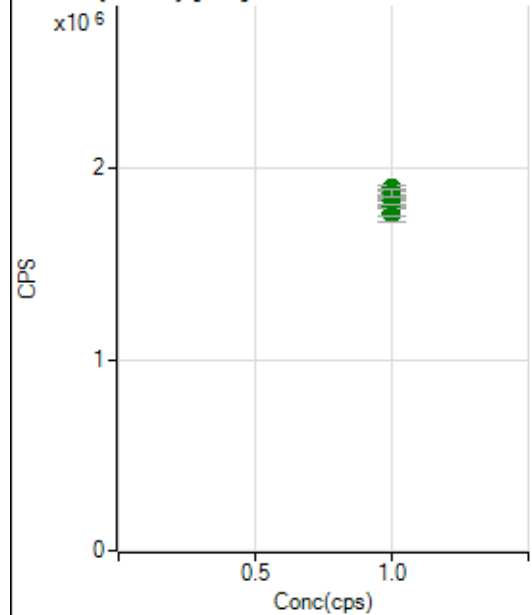
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3666051.47 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3699557.58 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3697363.18 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3715586.47 |       | A        | 2.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3716020.32 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3790197.47 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3727269.70 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3583658.55 |       | A        | 2.3 |

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

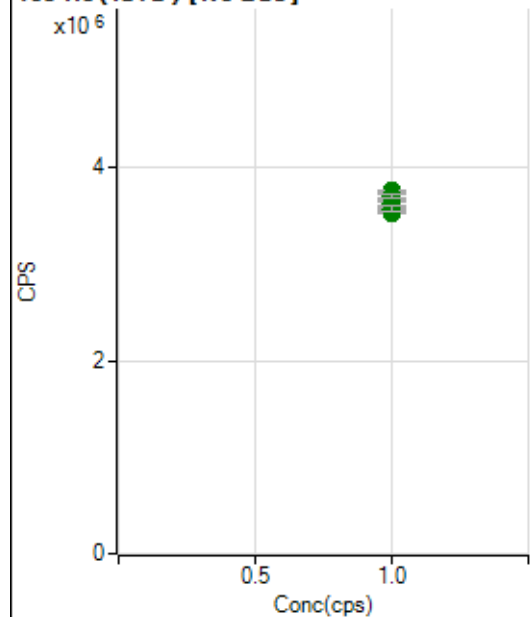
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 583541.20 |       | P        | 4.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 595864.14 |       | P        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 603529.33 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 605164.68 |       | P        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 600857.93 |       | P        | 2.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 620605.65 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 602669.50 |       | P        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 599927.56 |       | P        | 1.0 |

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

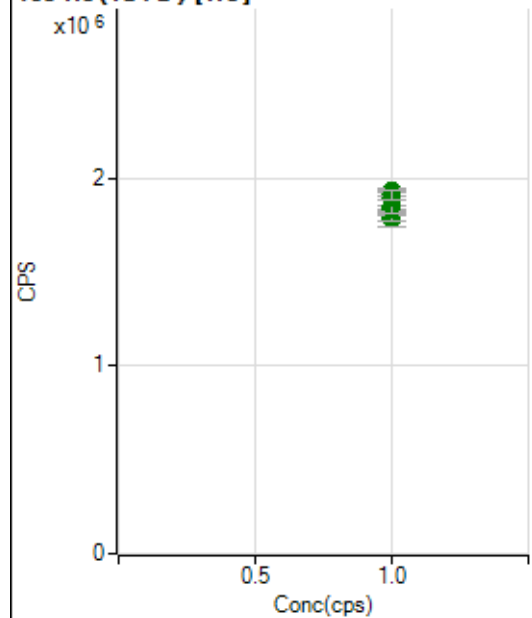
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3824966.16 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3740846.44 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3837150.43 |       | A        | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3835454.21 |       | A        | 3.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3839354.39 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3950596.16 |       | A        | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3952853.83 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3754446.33 |       | A        | 2.9 |

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

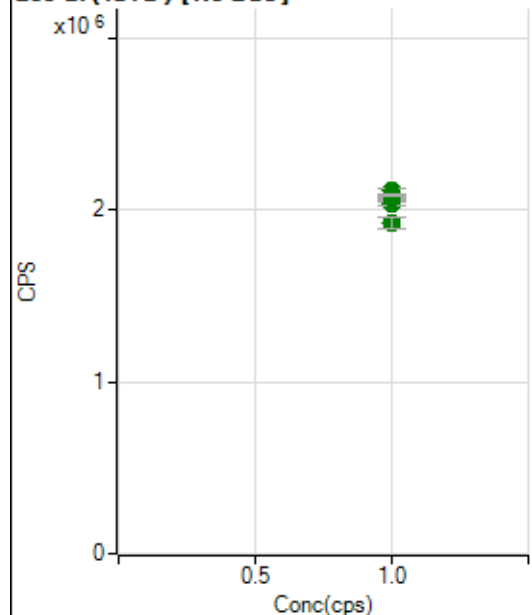
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1756914.66 |       | A        | 4.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1772501.35 |       | A        | 2.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1811962.66 |       | A        | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1795815.93 |       | A        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1827235.65 |       | A        | 1.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1897241.88 |       | A        | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1856276.98 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1871179.83 |       | A        | 2.1 |

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

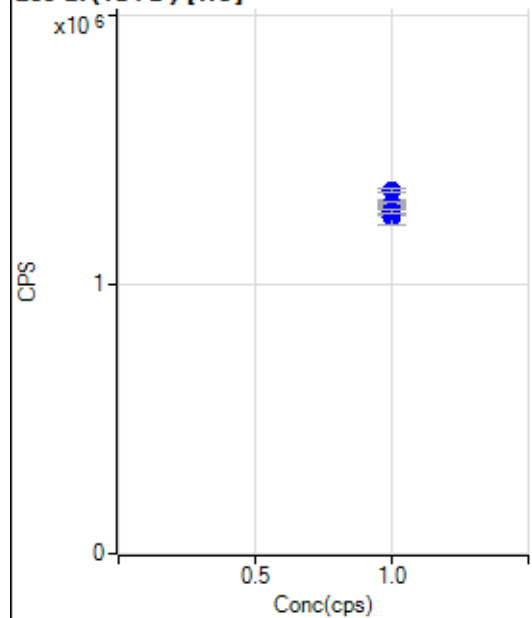
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3618480.68 |       | A        | 2.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3537336.58 |       | A        | 0.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3608600.08 |       | A        | 2.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3637615.88 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3632410.24 |       | A        | 1.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3763225.87 |       | A        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3703918.14 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3575964.66 |       | A        | 1.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1781570.46 |       | A        | 4.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1789010.48 |       | A        | 1.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1839349.89 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1833799.78 |       | A        | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1848516.43 |       | A        | 4.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1930188.81 |       | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1894373.76 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1909129.78 |       | A        | 2.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2067920.82 |       | A        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2033476.17 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2065792.14 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2073428.08 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2077027.68 |       | A        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2110158.46 |       | A        | 1.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2086938.58 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1924337.07 |       | A        | 3.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1249483.32 |       | P        | 4.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1273314.43 |       | P        | 2.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1297108.78 |       | P        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1292008.05 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1299337.23 |       | P        | 2.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1347056.19 |       | P        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1302037.70 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1270376.69 |       | P        | 1.5 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8111320MS2.b  
Acq. Date-Time 2020-11-13 14:34:33  
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    |              | 2241  | 22411.83  |                            |             | 1.732  | 5.000           |
| 24   |              | 27504 | 275037.45 |                            |             | 2.084  | 5.000           |
| 25   |              | 3623  | 36229.22  |                            |             | 1.698  | 5.000           |
| 26   |              | 4143  | 41429.35  |                            |             | 1.515  | 5.000           |
| 59   |              | 14115 | 141148.46 |                            |             | 2.366  | 5.000           |
| 113  |              | 2093  | 20926.57  |                            |             | 2.319  | 5.000           |
| 115  |              | 7244  | 72442.21  |                            |             | 2.946  | 5.000           |
| 206  |              | 2146  | 21462.01  |                            |             | 3.318  | 5.000           |
| 207  |              | 1766  | 17660.18  |                            |             | 2.603  | 5.000           |
| 208  |              | 4371  | 43712.66  |                            |             | 2.272  | 5.000           |
| 220  |              | 1     | 10.10     |                            |             | 18.981 |                 |

| 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    | 2180        | 2239        | 2262        | 2242        | 2284        |
| 24   | 26520       | 27804       | 27764       | 27494       | 27937       |
| 25   | 3522        | 3681        | 3642        | 3614        | 3656        |
| 26   | 4038        | 4150        | 4180        | 4145        | 4201        |
| 59   | 13615       | 14105       | 14344       | 14027       | 14484       |
| 113  | 2022        | 2131        | 2130        | 2063        | 2118        |
| 115  | 7368        | 7496        | 7311        | 7048        | 6999        |
| 206  | 2027        | 2150        | 2207        | 2152        | 2195        |
| 207  | 1692        | 1765        | 1809        | 1763        | 1800        |
| 208  | 4205        | 4399        | 4434        | 4364        | 4454        |

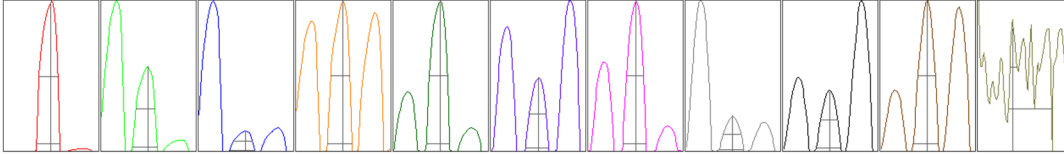


# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 4021.60     | 9.00   | 8.90 - 9.10     |             |
| 24   | 48439.09    | 24.00  | 23.90 - 24.10   |             |
| 25   | 6379.63     | 25.00  | 24.90 - 25.10   |             |
| 26   | 7369.37     | 26.00  | 25.90 - 26.10   |             |
| 59   | 26129.45    | 59.00  | 58.90 - 59.10   |             |
| 113  | 4137.92     | 113.05 | 112.90 - 113.10 |             |
| 115  | 14276.83    | 115.05 | 114.90 - 115.10 |             |
| 206  | 4122.10     | 206.00 | 205.90 - 206.10 |             |
| 207  | 3378.51     | 207.00 | 206.90 - 207.10 |             |
| 208  | 8363.88     | 208.00 | 207.90 - 208.10 |             |
| 220  | 1.30        | 219.65 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.59  | 0.737 | 0.900           |             |
| 24   | 0.60  | 0.783 | 0.900           |             |
| 25   | 0.60  | 0.783 | 0.900           |             |
| 26   | 0.60  | 0.783 | 0.900           |             |
| 59   | 0.56  | 0.738 | 0.900           |             |
| 113  | 0.53  | 0.725 | 0.900           |             |
| 115  | 0.52  | 0.732 | 0.900           |             |
| 206  | 0.55  | 0.776 | 0.900           |             |
| 207  | 0.55  | 0.783 | 0.900           |             |
| 208  | 0.55  | 0.800 | 0.900           |             |
| 220  | 0.24  | 1.352 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode HMI Nebulizer Gas 0.52 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    | 10.7 V | Deflect    | 14.4 V |
| Extract 2  | -230.0 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      | 180 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 122 | Axis Gain   | 0.9994 | QP Bias | -4.0 V |
| Mass Offset | 124 | Axis Offset | -0.03  |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 0.6 mm | Torch V | -0.2 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.8 mV | Analog HV | 2180 V | Pulse HV | 1331 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS      | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 3420  | 34198.43 |                            |             | 2.713 |                 |
| 89   |              | 7526  | 75264.42 |                            |             | 3.103 |                 |
| 205  |              | 6158  | 61581.64 |                            |             | 2.304 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 3470        | 3493        | 3414        | 3460        | 3262        |
| 89   | 7638        | 7577        | 7662        | 7643        | 7113        |
| 205  | 6264        | 6183        | 6270        | 6154        | 5921        |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |         |                |            |               |            |
|--------------|---------|----------------|------------|---------------|------------|
| Plasma Mode  | HMI     | Nebulizer Gas  | 0.52 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 | 10.7 V | Deflect | 4.8 V |
|-----------|--------|------------|--------|---------|-------|

# US EPA Tune Check Report

|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -230.0 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     | 0.9994  | QP Bias               | -13.0 V |
| Mass Offset              | 124        | Axis Offset   | -0.03   |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | 0.6 mm     | Torch V       | -0.2 mm |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 3.8 mV     | Analog HV     | 2180 V  | Pulse HV              | 1331 V  |