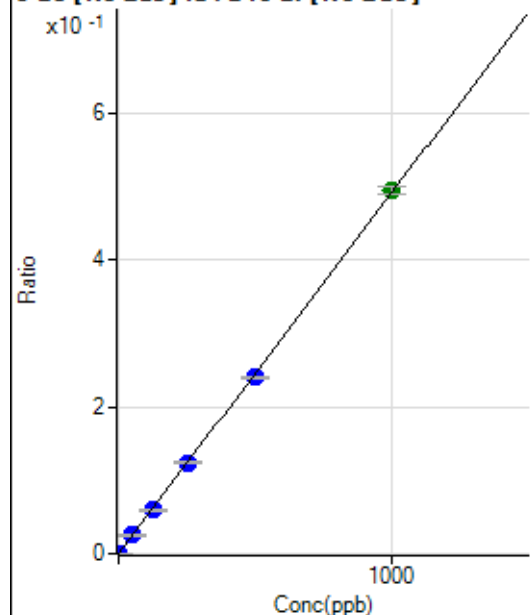


Calibration for 006CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8032122 MS.b\  
 Analysis File: P8032122 MS.batch.bin  
 DA Date-Time: 2022-03-21 17:23:42  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2022-03-21 15:08:57 |
| 2     | 006CALS.d          | S02         | 2022-03-21 15:15:06 |
| 3     | 007CALS.d          | S03         | 2022-03-21 15:18:09 |
| 4     | 008CALS.d          | S04         | 2022-03-21 15:21:14 |
| 5     | 009CALS.d          | S05         | 2022-03-21 15:24:18 |
| 6     | 010CALS.d          | S06         | 2022-03-21 15:27:23 |
| 7     | 011CALS.d          | S07         | 2022-03-21 15:30:26 |
| 8     | 012CALS.d          | S08         | 2022-03-21 15:33:32 |

**9 Be [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      | 16.00      | 0.0000 | P   | 20.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.009      | 1823.09    | 0.0005 | P   | 0.5  |
| 3 | <input type="checkbox"/> | 50.000   | 50.668     | 89776.13   | 0.0249 | P   | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 122.334    | 232685.09  | 0.0601 | P   | 4.1  |
| 5 | <input type="checkbox"/> | 250.000  | 252.180    | 466627.38  | 0.1238 | P   | 1.8  |
| 6 | <input type="checkbox"/> | 500.000  | 488.496    | 881684.71  | 0.2399 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1005.507   | 1855119.12 | 0.4937 | A   | 2.1  |
| 8 | <input type="checkbox"/> |          |            | 1696.47    | 0.0005 | P   | 44.7 |

$$y = 4.9103\text{E-}004 * x + 4.4242\text{E-}006$$

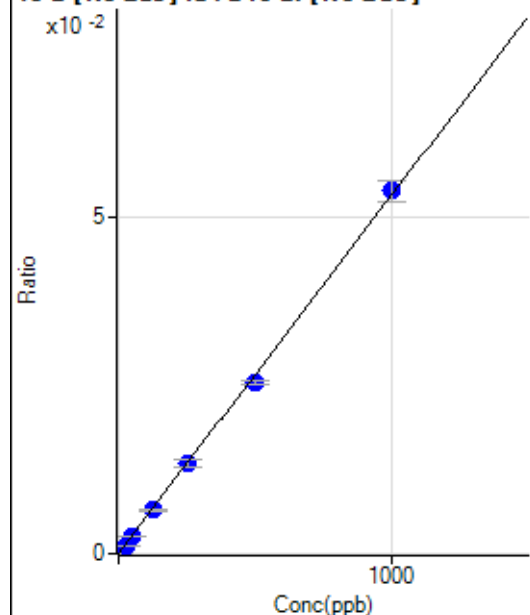
$$R = 0.9999$$

$$DL = 0.00555$$

$$BEC = 0.00901$$

Weight: &lt;None&gt;

Min Conc: 0

**10 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      | 172.64    | 0.0000 | P   | 3.1 |
| 2 | <input type="checkbox"/> | 25.000   | 21.346     | 4307.14   | 0.0012 | P   | 6.5 |
| 3 | <input type="checkbox"/> | 50.000   | 48.828     | 9533.97   | 0.0026 | P   | 2.9 |
| 4 | <input type="checkbox"/> | 125.000  | 121.405    | 25218.26  | 0.0065 | P   | 3.5 |
| 5 | <input type="checkbox"/> | 250.000  | 251.124    | 50433.99  | 0.0134 | P   | 7.6 |
| 6 | <input type="checkbox"/> | 500.000  | 475.865    | 93113.51  | 0.0253 | P   | 2.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 1012.386   | 202327.01 | 0.0538 | P   | 5.8 |
| 8 | <input type="checkbox"/> |          |            | 32403.63  | 0.0089 | P   | 7.6 |

$$y = 5.3133\text{E-}005 * x + 4.7805\text{E-}005$$

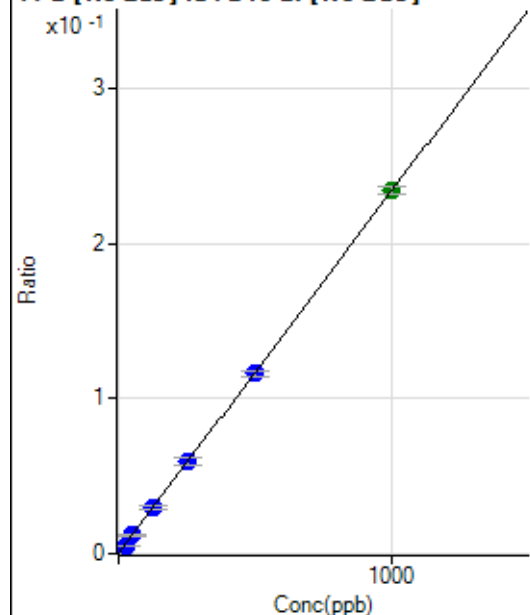
$$R = 0.9996$$

$$DL = 0.0843$$

$$BEC = 0.8997$$

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      | 693.22    | 0.0002 | P    | 4.2 |
| 2 | <input type="checkbox"/> | 25.000   | 21.792     | 19269.02  | 0.0053 | P    | 9.5 |
| 3 | <input type="checkbox"/> | 50.000   | 50.571     | 43405.59  | 0.0120 | P    | 6.2 |
| 4 | <input type="checkbox"/> | 125.000  | 125.753    | 115020.39 | 0.0296 | P    | 6.2 |
| 5 | <input type="checkbox"/> | 250.000  | 254.967    | 225412.24 | 0.0598 | P    | 7.7 |
| 6 | <input type="checkbox"/> | 500.000  | 495.916    | 427235.96 | 0.1162 | P    | 4.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.758   | 880661.19 | 0.2344 | A    | 2.2 |
| 8 | <input type="checkbox"/> |          |            | 152922.77 | 0.0419 | P    | 7.0 |

$$y = 2.3398E-004 * x + 1.9208E-004$$

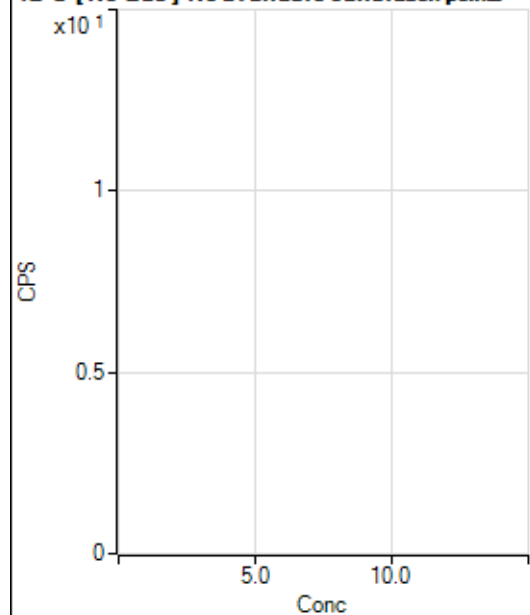
$$R = 1.0000$$

$$DL = 0.1042$$

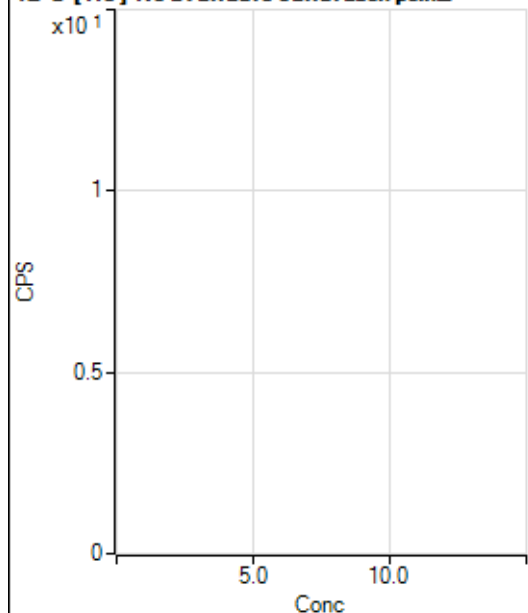
$$BEC = 0.8209$$

Weight: &lt;None&gt;

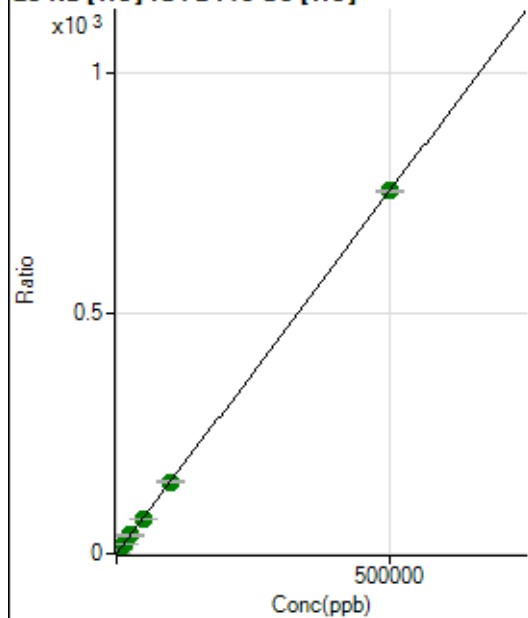
Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> |       |            | 6213479.87 |       | A    | 1.6 |
| 2 | <input type="checkbox"/> |       |            | 6253186.04 |       | A    | 1.2 |
| 3 | <input type="checkbox"/> |       |            | 6661323.59 |       | A    | 2.0 |
| 4 | <input type="checkbox"/> |       |            | 6797426.28 |       | A    | 2.2 |
| 5 | <input type="checkbox"/> |       |            | 7254984.89 |       | A    | 2.8 |
| 6 | <input type="checkbox"/> |       |            | 8958774.59 |       | A    | 3.6 |
| 7 | <input type="checkbox"/> |       |            | 9804866.80 |       | A    | 5.7 |
| 8 | <input type="checkbox"/> |       |            | 7280786.71 |       | A    | 1.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 72666.96  |       | P        | 1.4 |
| 2 | <input type="checkbox"/> |       |            | 73724.02  |       | P        | 0.9 |
| 3 | <input type="checkbox"/> |       |            | 79044.18  |       | P        | 0.5 |
| 4 | <input type="checkbox"/> |       |            | 81202.75  |       | P        | 1.3 |
| 5 | <input type="checkbox"/> |       |            | 89705.76  |       | P        | 1.6 |
| 6 | <input type="checkbox"/> |       |            | 115604.35 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> |       |            | 127739.45 |       | P        | 1.8 |
| 8 | <input type="checkbox"/> |       |            | 96646.21  |       | P        | 2.0 |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 6874.01     | 0.0320   | P        | 4.7 |
| 2 | <input type="checkbox"/> | 500.000   | 469.939    | 156722.95   | 0.7418   | P        | 1.1 |
| 3 | <input type="checkbox"/> | 5000.000  | 5370.312   | 1706945.99  | 8.1431   | A        | 1.7 |
| 4 | <input type="checkbox"/> | 12500.000 | 13216.177  | 4163336.42  | 19.9931  | A        | 3.5 |
| 5 | <input type="checkbox"/> | 25000.000 | 25584.864  | 8345470.76  | 38.6741  | A        | 4.3 |
| 6 | <input type="checkbox"/> | 50000.000 | 48348.222  | 15457605.38 | 73.0548  | A        | 1.2 |
| 7 | <input type="checkbox"/> | 100000.00 | 98797.940  | 32235412.52 | 149.2516 | A        | 1.3 |
| 8 | <input type="checkbox"/> | 500000.00 | 500354.76  | 172258885.7 | 755.7436 | A        | 0.4 |

$$y = 0.0015 * x + 0.0320$$

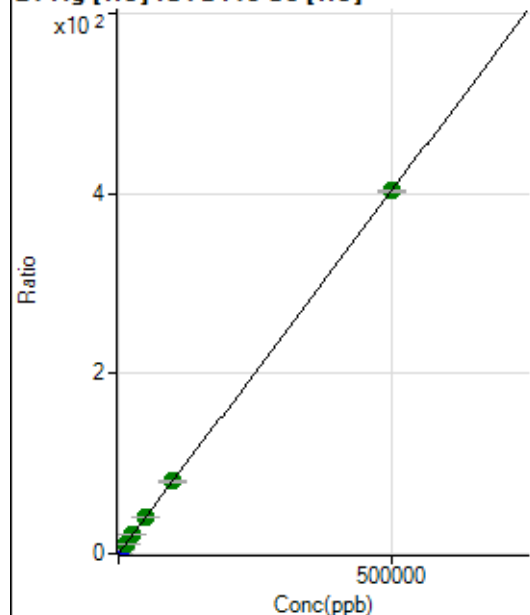
$$R = 1.0000$$

$$DL = 2.982$$

$$BEC = 21.19$$

Weight: &lt;None&gt;

Min Conc: 0

**24 Mg [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      | 316.68      | 0.0015   | P   | 4.9 |
| 2 | <input type="checkbox"/> | 500.000   | 481.497    | 82221.87    | 0.3892   | P   | 0.9 |
| 3 | <input type="checkbox"/> | 5000.000  | 5144.267   | 868680.19   | 4.1440   | P   | 1.0 |
| 4 | <input type="checkbox"/> | 12500.000 | 13571.231  | 2276028.50  | 10.9299  | A   | 3.3 |
| 5 | <input type="checkbox"/> | 25000.000 | 25938.014  | 4507541.64  | 20.8884  | A   | 3.4 |
| 6 | <input type="checkbox"/> | 50000.000 | 49489.560  | 8431342.03  | 39.8537  | A   | 1.0 |
| 7 | <input type="checkbox"/> | 100000.00 | 99706.503  | 17338638.76 | 80.2916  | A   | 2.3 |
| 8 | <input type="checkbox"/> | 500000.00 | 500034.63  | 91776531.22 | 402.6616 | A   | 0.8 |

$$y = 8.0526\text{E-}004 * x + 0.0015$$

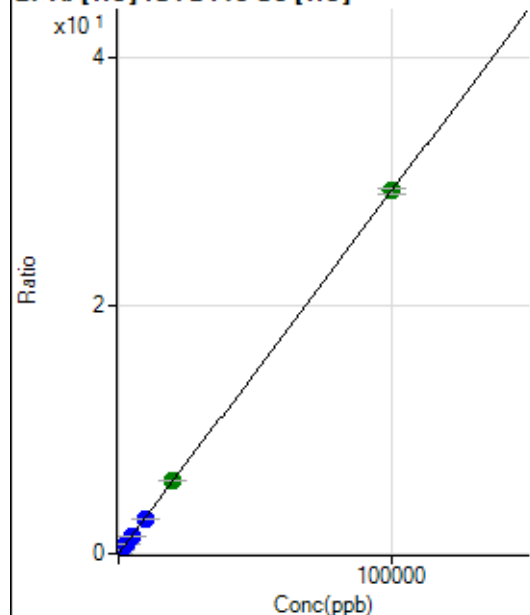
$$R = 1.0000$$

$$DL = 0.2665$$

$$BEC = 1.831$$

Weight: &lt;None&gt;

Min Conc: 0

**27 Al [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      | 72.91      | 0.0003  | P   | 12.8 |
| 2 | <input type="checkbox"/> | 20.000    | 18.995     | 1243.23    | 0.0059  | P   | 4.3  |
| 3 | <input type="checkbox"/> | 1000.000  | 1005.007   | 61580.10   | 0.2938  | P   | 1.9  |
| 4 | <input type="checkbox"/> | 2500.000  | 2541.239   | 154569.85  | 0.7423  | P   | 3.6  |
| 5 | <input type="checkbox"/> | 5000.000  | 4922.991   | 310326.37  | 1.4377  | P   | 1.2  |
| 6 | <input type="checkbox"/> | 10000.000 | 9450.888   | 583860.82  | 2.7598  | P   | 0.9  |
| 7 | <input type="checkbox"/> | 20000.000 | 20082.648  | 1266473.70 | 5.8640  | A   | 1.5  |
| 8 | <input type="checkbox"/> | 100000.00 | 100041.15  | 6657177.45 | 29.2100 | A   | 1.9  |

$$y = 2.9198\text{E-}004 * x + 3.3953\text{E-}004$$

$$R = 1.0000$$

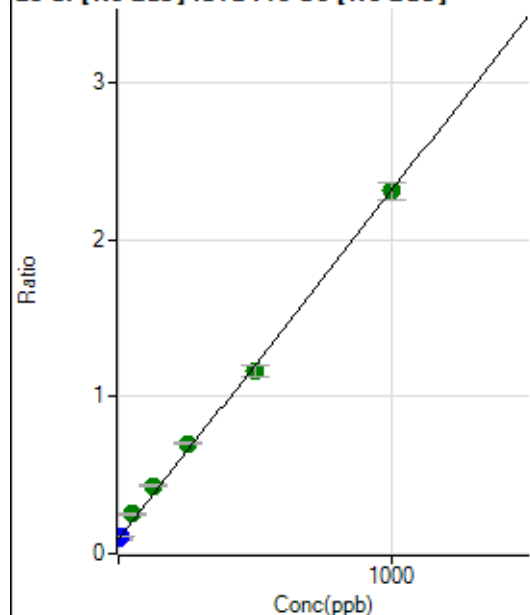
$$DL = 0.4474$$

$$BEC = 1.163$$

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      | 556032.66   | 0.0929 | P   | 2.3 |
| 2 | <input type="checkbox"/> | 10.000   | 6.506      | 632260.86   | 0.1074 | P   | 3.6 |
| 3 | <input type="checkbox"/> | 50.000   | 72.689     | 1552304.79  | 0.2546 | A   | 3.0 |
| 4 | <input type="checkbox"/> | 125.000  | 152.495    | 2685057.50  | 0.4322 | A   | 2.1 |
| 5 | <input type="checkbox"/> | 250.000  | 273.418    | 4481047.45  | 0.7012 | A   | 1.9 |
| 6 | <input type="checkbox"/> | 500.000  | 481.933    | 7116973.73  | 1.1651 | A   | 6.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 998.642    | 14432512.65 | 2.3147 | A   | 4.9 |
| 8 | <input type="checkbox"/> |          |            | 1047598.69  | 0.1664 | A   | 4.9 |

$$y = 0.0022 * x + 0.0929$$

$$R = 0.9990$$

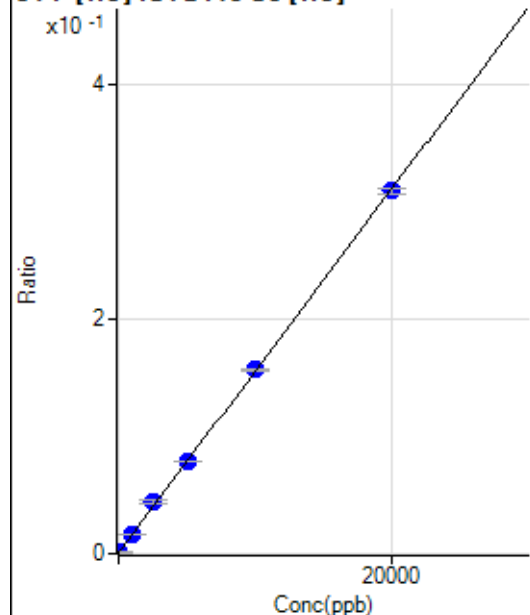
$$DL = 2.884$$

$$BEC = 41.75$$

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     | -11.690    | 100.01   | 0.0005 | P   | 28.5 |
| 2 | <input type="checkbox"/> | 0.000     | 11.690     | 175.01   | 0.0008 | P   | 21.1 |
| 3 | <input type="checkbox"/> | 1000.000  | 1009.835   | 3414.37  | 0.0163 | P   | 7.8  |
| 4 | <input type="checkbox"/> | 2500.000  | 2803.722   | 9186.51  | 0.0441 | P   | 6.7  |
| 5 | <input type="checkbox"/> | 5000.000  | 5034.658   | 16968.72 | 0.0786 | P   | 1.8  |
| 6 | <input type="checkbox"/> | 10000.000 | 10083.643  | 33174.99 | 0.1568 | P   | 1.5  |
| 7 | <input type="checkbox"/> | 20000.000 | 19911.057  | 66735.53 | 0.3090 | P   | 1.9  |
| 8 | <input type="checkbox"/> |           |            | 127.78   | 0.0006 | P   | 43.3 |

$$y = 1.5488E-005 * x + 6.4644E-004$$

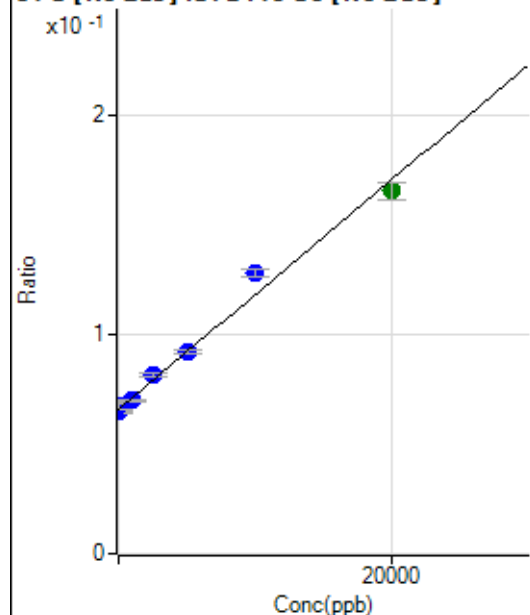
$$R = 0.9999$$

$$DL = 29.74$$

$$BEC = 41.74$$

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<br>. | RSD |
|---|--------------------------|-----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -250.493   | 386362.79  | 0.0645 | P        | 1.7 |
| 2 | <input type="checkbox"/> | 0.000     | 250.493    | 395457.35  | 0.0672 | P        | 3.8 |
| 3 | <input type="checkbox"/> | 1000.000  | 772.531    | 426078.39  | 0.0699 | P        | 1.1 |
| 4 | <input type="checkbox"/> | 2500.000  | 2978.244   | 505803.59  | 0.0814 | P        | 2.7 |
| 5 | <input type="checkbox"/> | 5000.000  | 5011.981   | 588224.28  | 0.0921 | P        | 1.3 |
| 6 | <input type="checkbox"/> | 10000.000 | 11864.611  | 781130.32  | 0.1279 | P        | 2.5 |
| 7 | <input type="checkbox"/> | 20000.000 | 19016.292  | 1030586.58 | 0.1653 | A        | 5.1 |
| 8 | <input type="checkbox"/> |           |            | 320410.57  | 0.0509 | P        | 3.2 |

$$y = 5.2311\text{E-}006 * x + 0.0658$$

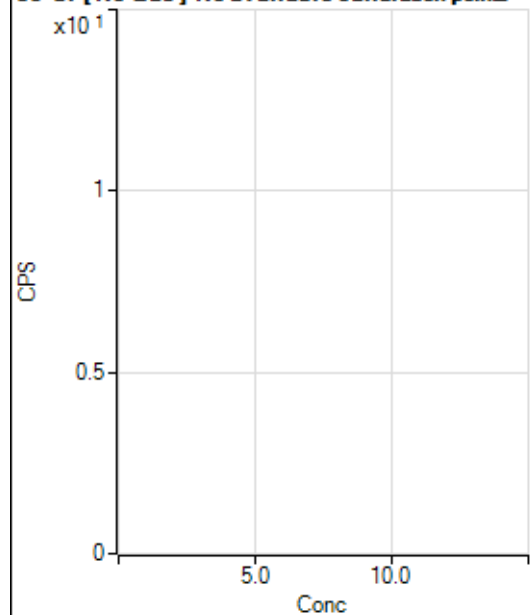
$$R = 0.9927$$

$$DL = 1058$$

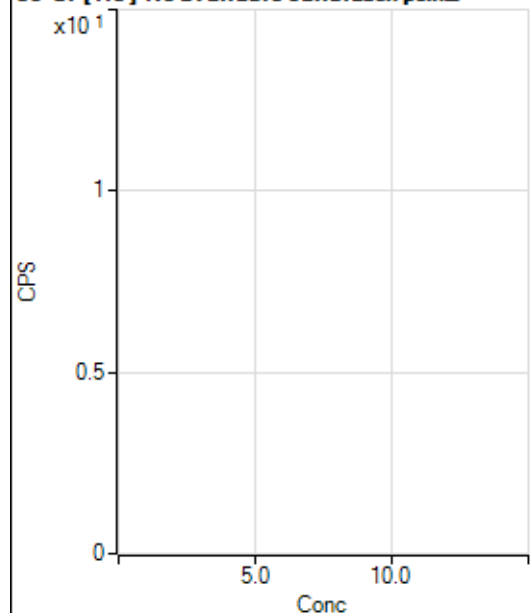
$$BEC = 1.259\text{E}+04$$

Weight: &lt;None&gt;

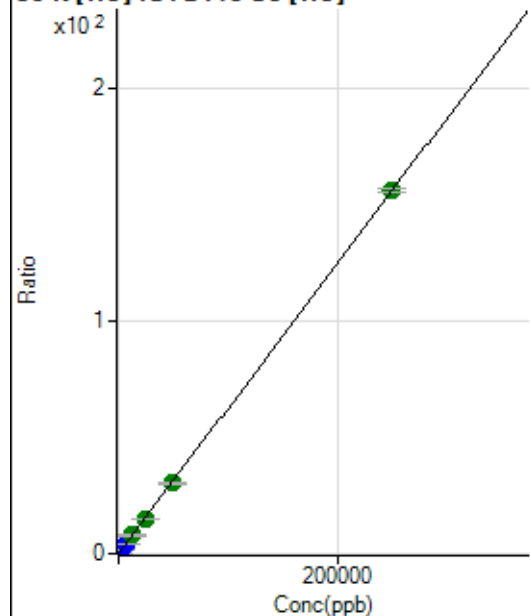
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 280630.00 |       | P        | 1.0 |
| 2 | <input type="checkbox"/> |       |            | 273584.00 |       | P        | 0.1 |
| 3 | <input type="checkbox"/> |       |            | 284353.51 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> |       |            | 272952.86 |       | P        | 1.8 |
| 5 | <input type="checkbox"/> |       |            | 294389.34 |       | P        | 1.7 |
| 6 | <input type="checkbox"/> |       |            | 258375.07 |       | P        | 0.7 |
| 7 | <input type="checkbox"/> |       |            | 265419.77 |       | P        | 0.2 |
| 8 | <input type="checkbox"/> |       |            | 280498.47 |       | P        | 2.0 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1986.30 |       | P        | 1.9  |
| 2 | <input type="checkbox"/> |       |            | 2052.98 |       | P        | 4.7  |
| 3 | <input type="checkbox"/> |       |            | 2211.35 |       | P        | 5.5  |
| 4 | <input type="checkbox"/> |       |            | 2075.21 |       | P        | 1.1  |
| 5 | <input type="checkbox"/> |       |            | 2072.43 |       | P        | 6.3  |
| 6 | <input type="checkbox"/> |       |            | 1894.61 |       | P        | 3.7  |
| 7 | <input type="checkbox"/> |       |            | 1830.71 |       | P        | 4.7  |
| 8 | <input type="checkbox"/> |       |            | 2225.23 |       | P        | 10.3 |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 17349.75    | 0.0808   | P        | 1.7 |
| 2 | <input type="checkbox"/> | 500.000   | 453.414    | 76715.10    | 0.3631   | P        | 1.9 |
| 3 | <input type="checkbox"/> | 2500.000  | 2523.666   | 346354.80   | 1.6524   | P        | 2.1 |
| 4 | <input type="checkbox"/> | 6250.000  | 6351.385   | 840458.26   | 4.0361   | P        | 3.6 |
| 5 | <input type="checkbox"/> | 12500.000 | 12623.854  | 1714056.05  | 7.9422   | A        | 2.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 23648.488  | 3133040.83  | 14.8078  | A        | 0.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 48772.540  | 6577057.91  | 30.4537  | A        | 2.3 |
| 8 | <input type="checkbox"/> | 250000.00 | 250371.77  | 35555590.73 | 155.9991 | A        | 1.0 |

$$y = 6.2275E-004 * x + 0.0808$$

$$R = 1.0000$$

$$DL = 6.736$$

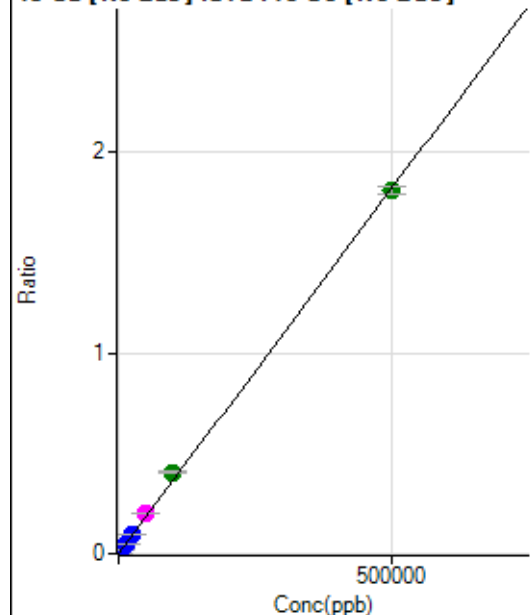
$$BEC = 129.7$$

Weight: &lt;None&gt;

Min Conc: 0



43 Ca [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      | 216.23      | 0.0000 | P    | 6.7 |
| 2 | <input type="checkbox"/> | 500.000   | 491.214    | 10731.85    | 0.0018 | P    | 3.6 |
| 3 | <input type="checkbox"/> | 5000.000  | 5494.474   | 122017.52   | 0.0200 | P    | 1.0 |
| 4 | <input type="checkbox"/> | 12500.000 | 13997.253  | 316385.39   | 0.0509 | P    | 2.6 |
| 5 | <input type="checkbox"/> | 25000.000 | 27218.456  | 632571.42   | 0.0990 | P    | 1.7 |
| 6 | <input type="checkbox"/> | 50000.000 | 54810.104  | 1217513.05  | 0.1993 | M    | 2.3 |
| 7 | <input type="checkbox"/> | 100000.00 | 111747.82  | 2534332.12  | 0.4063 | A    | 0.9 |
| 8 | <input type="checkbox"/> | 500000.00 | 497016.13  | 11386012.08 | 1.8071 | A    | 2.2 |

$$y = 3.6358\text{E-}006 * x + 3.6122\text{E-}005$$

$$R = 0.9997$$

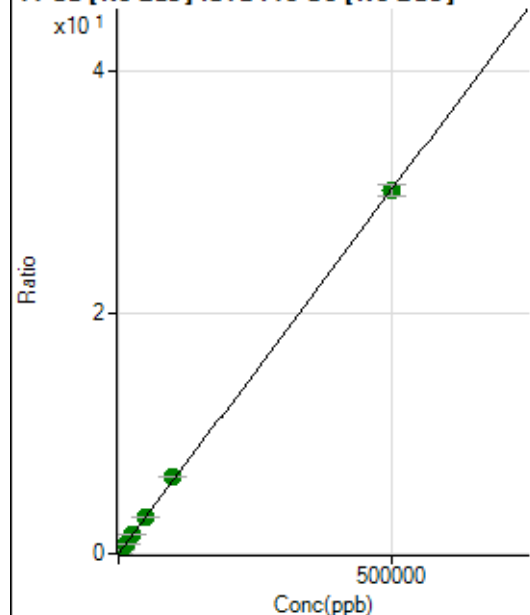
$$DL = 1.99$$

$$BEC = 9.935$$

Weight: &lt;None&gt;

Min Conc: 0

44 Ca [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      | 13273.77    | 0.0022  | P    | 2.0 |
| 2 | <input type="checkbox"/> | 500.000   | 488.432    | 186460.19   | 0.0317  | P    | 4.3 |
| 3 | <input type="checkbox"/> | 5000.000  | 5384.756   | 1993260.41  | 0.3269  | A    | 2.1 |
| 4 | <input type="checkbox"/> | 12500.000 | 13339.616  | 5011677.66  | 0.8065  | A    | 1.6 |
| 5 | <input type="checkbox"/> | 25000.000 | 25717.925  | 9923196.08  | 1.5528  | A    | 2.0 |
| 6 | <input type="checkbox"/> | 50000.000 | 51061.715  | 18817733.65 | 3.0808  | A    | 0.7 |
| 7 | <input type="checkbox"/> | 100000.00 | 105648.61  | 39741122.84 | 6.3720  | A    | 1.2 |
| 8 | <input type="checkbox"/> | 500000.00 | 498703.38  | 189416798.2 | 30.0700 | A    | 3.0 |

$$y = 6.0292\text{E-}005 * x + 0.0022$$

$$R = 0.9999$$

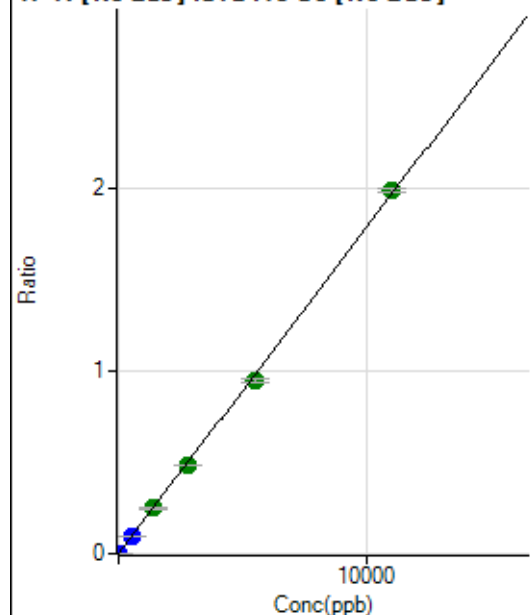
$$DL = 2.243$$

$$BEC = 36.77$$

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      | 383.35      | 0.0001 | P    | 20.4 |
| 2 | <input type="checkbox"/> | 5.000     | 5.095      | 5737.42     | 0.0010 | P    | 7.7  |
| 3 | <input type="checkbox"/> | 550.000   | 556.692    | 607141.19   | 0.0996 | P    | 0.8  |
| 4 | <input type="checkbox"/> | 1375.000  | 1399.425   | 1554471.06  | 0.2502 | A    | 2.8  |
| 5 | <input type="checkbox"/> | 2750.000  | 2715.855   | 3102821.25  | 0.4855 | A    | 0.2  |
| 6 | <input type="checkbox"/> | 5500.000  | 5290.652   | 5776992.97  | 0.9458 | A    | 1.9  |
| 7 | <input type="checkbox"/> | 11000.000 | 11109.822  | 12386991.51 | 1.9860 | A    | 1.0  |
| 8 | <input type="checkbox"/> |           |            | 11592.90    | 0.0019 | P    | 42.0 |

$$y = 1.7875E-004 * x + 6.4113E-005$$

$$R = 0.9997$$

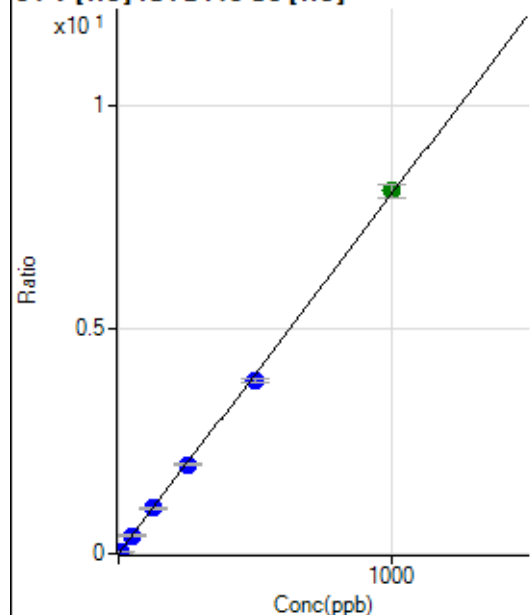
$$DL = 0.219$$

$$BEC = 0.3587$$

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      | 5.55       | 0.0000 | P    | 69.0 |
| 2 | <input type="checkbox"/> | 5.000    | 4.673      | 7920.03    | 0.0375 | P    | 0.8  |
| 3 | <input type="checkbox"/> | 50.000   | 50.264     | 84479.07   | 0.4030 | P    | 2.2  |
| 4 | <input type="checkbox"/> | 125.000  | 126.696    | 211502.46  | 1.0158 | P    | 3.9  |
| 5 | <input type="checkbox"/> | 250.000  | 247.776    | 428757.66  | 1.9865 | P    | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 481.747    | 817038.76  | 3.8622 | P    | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 1009.459   | 1747165.25 | 8.0930 | A    | 4.0  |
| 8 | <input type="checkbox"/> |          |            | 640.02     | 0.0028 | P    | 13.5 |

$$y = 0.0080 * x + 2.5823E-005$$

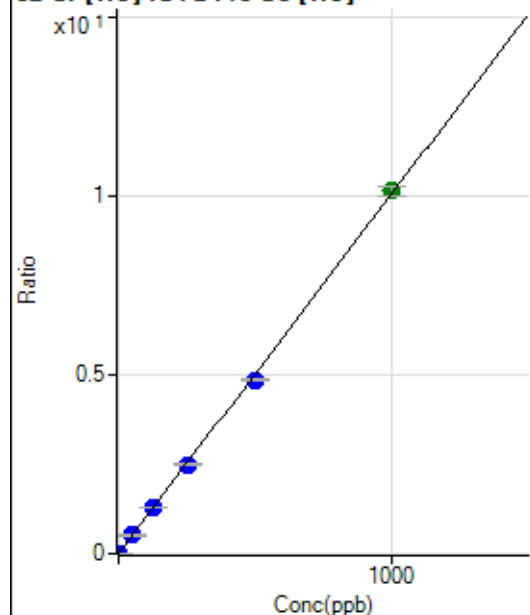
$$R = 0.9997$$

$$DL = 0.006671$$

$$BEC = 0.003221$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 974.49     | 0.0045  | P        | 4.5 |
| 2 | <input type="checkbox"/> | 2.000    | 1.856      | 4900.90    | 0.0232  | P        | 1.6 |
| 3 | <input type="checkbox"/> | 50.000   | 50.599     | 107584.38  | 0.5132  | P        | 1.7 |
| 4 | <input type="checkbox"/> | 125.000  | 127.534    | 267988.01  | 1.2867  | P        | 2.8 |
| 5 | <input type="checkbox"/> | 250.000  | 247.156    | 537320.95  | 2.4894  | P        | 1.0 |
| 6 | <input type="checkbox"/> | 500.000  | 483.030    | 1028325.56 | 4.8607  | P        | 1.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.850   | 2191201.82 | 10.1471 | A        | 2.4 |
| 8 | <input type="checkbox"/> |          |            | 26730.66   | 0.1173  | P        | 3.1 |

$$y = 0.0101 * x + 0.0045$$

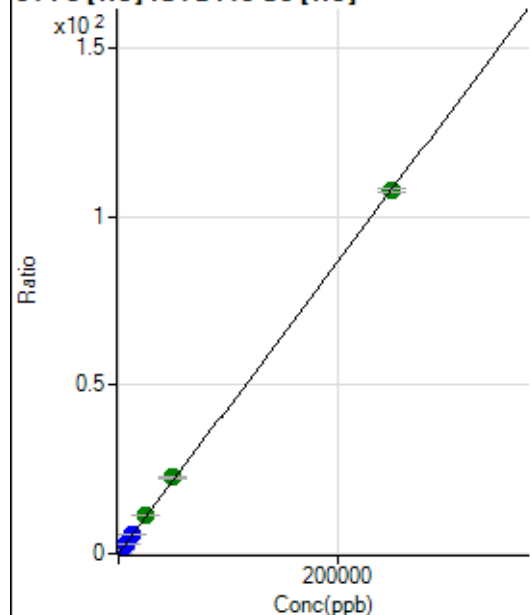
$$R = 0.9998$$

$$DL = 0.06035$$

$$BEC = 0.4513$$

Weight: &lt;None&gt;

Min Conc: 0

**54 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      | 653.73      | 0.0030   | P        | 9.5 |
| 2 | <input type="checkbox"/> | 50.000    | 49.535     | 5165.85     | 0.0245   | P        | 3.2 |
| 3 | <input type="checkbox"/> | 2500.000  | 2672.974   | 242841.46   | 1.1584   | P        | 1.9 |
| 4 | <input type="checkbox"/> | 6250.000  | 6687.176   | 602489.03   | 2.8936   | P        | 3.8 |
| 5 | <input type="checkbox"/> | 12500.000 | 12870.699  | 1201523.38  | 5.5664   | P        | 0.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 26037.184  | 2381715.24  | 11.2576  | A        | 0.5 |
| 7 | <input type="checkbox"/> | 50000.000 | 52382.748  | 4890145.77  | 22.6454  | A        | 3.0 |
| 8 | <input type="checkbox"/> | 250000.00 | 249388.53  | 24570199.16 | 107.8010 | A        | 1.2 |

$$y = 4.3225E-004 * x + 0.0030$$

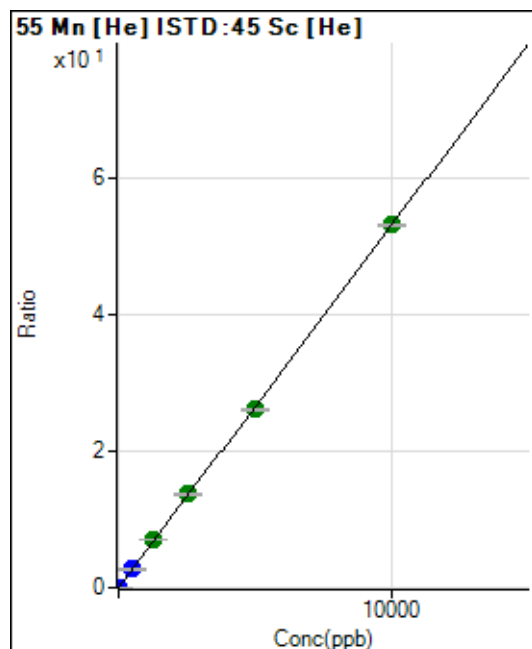
$$R = 0.9999$$

$$DL = 2.017$$

$$BEC = 7.044$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 91.11       | 0.0004  | P    | 13.5 |
| 2 | <input type="checkbox"/> | 1.000     | 0.970      | 1175.61     | 0.0056  | P    | 9.3  |
| 3 | <input type="checkbox"/> | 500.000   | 504.719    | 560480.72   | 2.6737  | P    | 1.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1319.748   | 1455987.93  | 6.9907  | A    | 2.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2578.088   | 2947374.33  | 13.6557 | A    | 1.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 4914.103   | 5507326.24  | 26.0288 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 10014.472  | 11457170.52 | 53.0437 | A    | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 10366.09    | 0.0455  | P    | 6.8  |

$$y = 0.0053 * x + 4.2407E-004$$

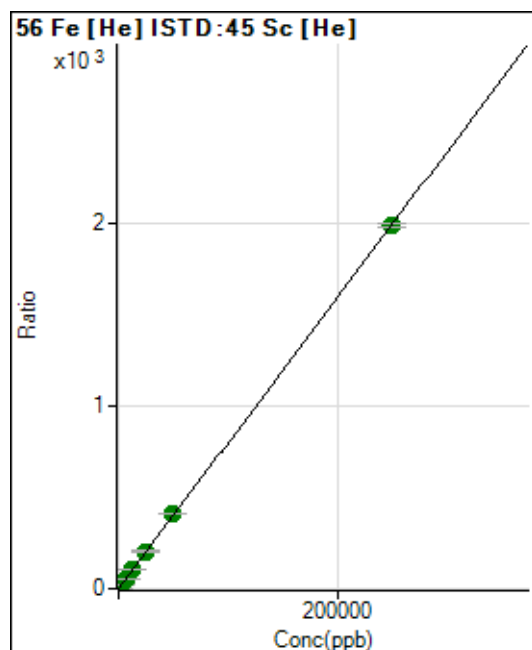
$$R = 0.9999$$

$$DL = 0.03235$$

$$BEC = 0.08006$$

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      | 3948.77     | 0.0184   | P    | 3.4 |
| 2 | <input type="checkbox"/> | 50.000    | 48.265     | 84991.14    | 0.4023   | P    | 0.5 |
| 3 | <input type="checkbox"/> | 2500.000  | 2652.973   | 4426977.47  | 21.1200  | A    | 2.4 |
| 4 | <input type="checkbox"/> | 6250.000  | 6684.796   | 11072928.72 | 53.1890  | A    | 4.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 13169.800  | 22611309.53 | 104.7705 | A    | 2.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 25506.095  | 42929578.74 | 202.8929 | A    | 2.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 51635.992  | 88710180.69 | 410.7291 | A    | 1.2 |
| 8 | <input type="checkbox"/> | 250000.00 | 249576.30  | 452461021.2 | 1.985138 | A    | 1.0 |

$$y = 0.0080 * x + 0.0184$$

$$R = 1.0000$$

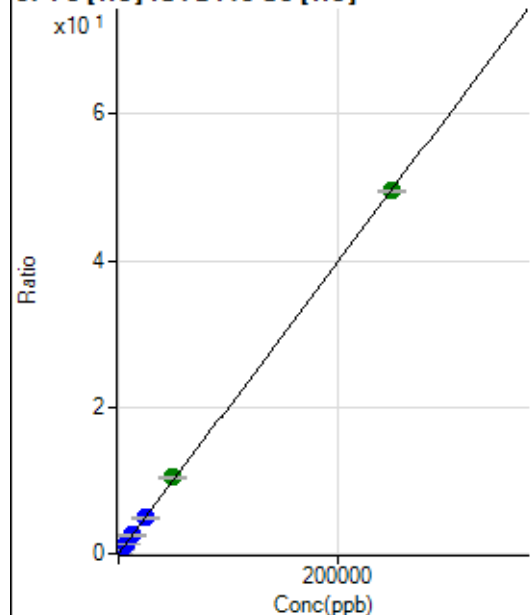
$$DL = 0.2387$$

$$BEC = 2.312$$

Weight: <None>

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 155.56      | 0.0007  | P    | 3.2 |
| 2 | <input type="checkbox"/> | 50.000    | 48.701     | 2194.65     | 0.0104  | P    | 5.5 |
| 3 | <input type="checkbox"/> | 2500.000  | 2534.326   | 105574.30   | 0.5037  | P    | 3.7 |
| 4 | <input type="checkbox"/> | 6250.000  | 6600.807   | 272993.82   | 1.3108  | P    | 2.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 12609.855  | 540346.92   | 2.5035  | P    | 1.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 24541.336  | 1030552.33  | 4.8716  | P    | 1.9 |
| 7 | <input type="checkbox"/> | 50000.000 | 52484.883  | 2249768.42  | 10.4177 | A    | 2.0 |
| 8 | <input type="checkbox"/> | 250000.00 | 249534.28  | 11289344.47 | 49.5271 | A    | 0.6 |

$$y = 1.9848\text{E-}004 * x + 7.2424\text{E-}004$$

$$R = 0.9999$$

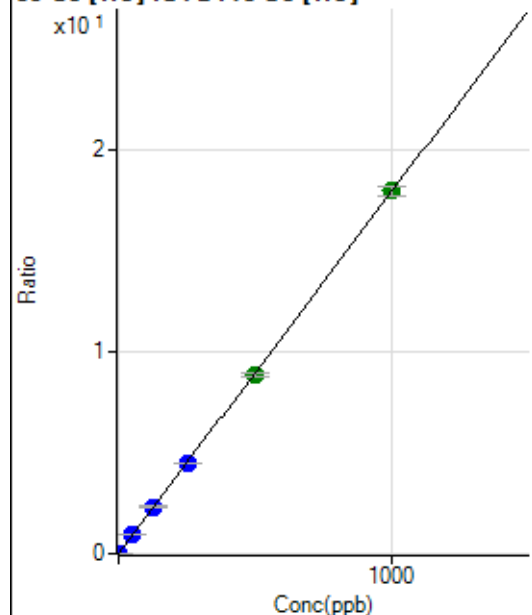
$$DL = 0.3461$$

$$BEC = 3.649$$

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      | 92.22      | 0.0004  | P    | 20.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.988      | 3830.56    | 0.0181  | P    | 2.1  |
| 3 | <input type="checkbox"/> | 50.000   | 51.498     | 193569.19  | 0.9234  | P    | 2.4  |
| 4 | <input type="checkbox"/> | 125.000  | 129.960    | 484961.75  | 2.3296  | P    | 4.6  |
| 5 | <input type="checkbox"/> | 250.000  | 248.502    | 961420.35  | 4.4541  | P    | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 494.657    | 1875479.35 | 8.8658  | A    | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.351   | 3879431.23 | 17.9647 | A    | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 6694.99    | 0.0294  | P    | 3.1  |

$$y = 0.0179 * x + 4.2914\text{E-}004$$

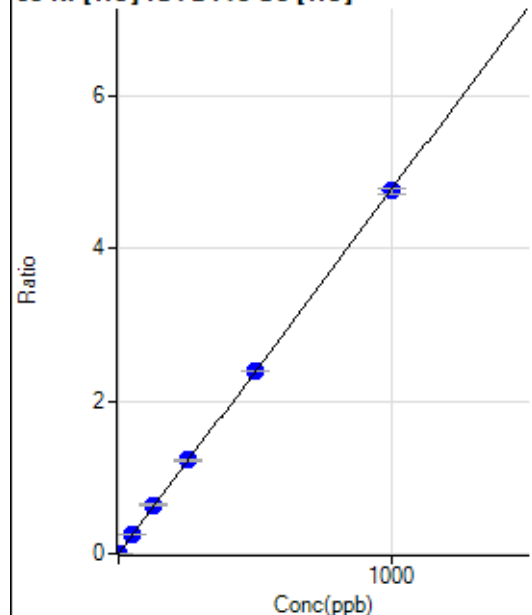
$$R = 1.0000$$

$$DL = 0.01494$$

$$BEC = 0.02394$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 38.89      | 0.0002 | P        | 17.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.974      | 1018.93    | 0.0048 | P        | 3.1  |
| 3 | <input type="checkbox"/> | 50.000   | 53.267     | 53239.34   | 0.2540 | P        | 2.2  |
| 4 | <input type="checkbox"/> | 125.000  | 133.887    | 132889.65  | 0.6381 | P        | 3.2  |
| 5 | <input type="checkbox"/> | 250.000  | 257.084    | 264435.88  | 1.2252 | P        | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 501.222    | 505318.75  | 2.3884 | P        | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.344    | 1025437.16 | 4.7476 | P        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 8451.49    | 0.0371 | P        | 3.2  |

$$y = 0.0048 * x + 1.8107E-004$$

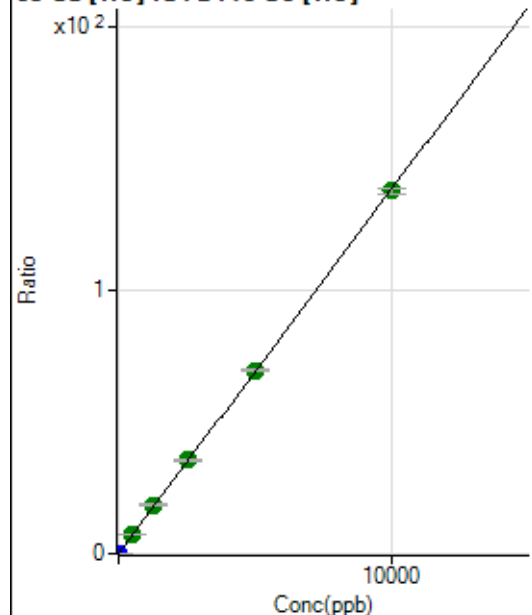
$$R = 0.9999$$

$$DL = 0.02026$$

$$BEC = 0.038$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 616.69      | 0.0029   | P        | 2.8 |
| 2 | <input type="checkbox"/> | 2.000     | 2.058      | 6621.61     | 0.0314   | P        | 4.2 |
| 3 | <input type="checkbox"/> | 500.000   | 539.743    | 1566339.70  | 7.4726   | A        | 2.2 |
| 4 | <input type="checkbox"/> | 1250.000  | 1336.905   | 3854793.76  | 18.5050  | A        | 2.0 |
| 5 | <input type="checkbox"/> | 2500.000  | 2569.037   | 7675311.27  | 35.5571  | A        | 1.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 5027.056   | 14720092.00 | 69.5749  | A        | 0.9 |
| 7 | <input type="checkbox"/> | 10000.000 | 9956.362   | 29759564.56 | 137.7941 | A        | 1.6 |
| 8 | <input type="checkbox"/> |           |            | 20577.49    | 0.0903   | P        | 4.5 |

$$y = 0.0138 * x + 0.0029$$

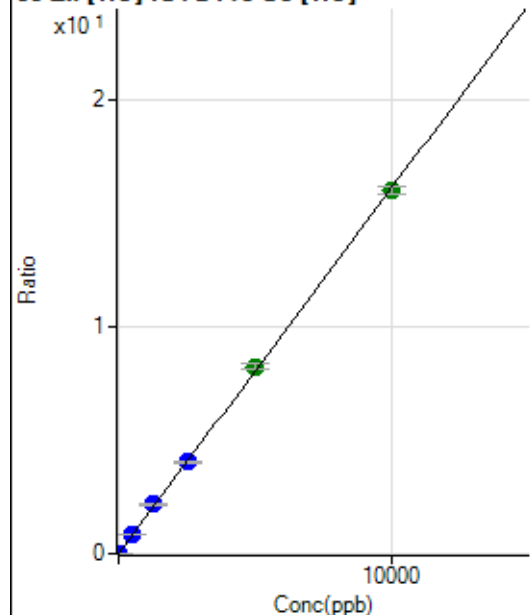
$$R = 0.9999$$

$$DL = 0.01748$$

$$BEC = 0.2075$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 181.11     | 0.0008  | P        | 27.6 |
| 2 | <input type="checkbox"/> | 2.000     | 2.060      | 878.92     | 0.0042  | P        | 6.1  |
| 3 | <input type="checkbox"/> | 500.000   | 515.505    | 174296.55  | 0.8315  | P        | 2.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1345.046   | 451423.62  | 2.1682  | P        | 3.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2501.071   | 870030.38  | 4.0309  | P        | 1.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 5122.005   | 1746049.52 | 8.2541  | A        | 2.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 9926.074   | 3454511.34 | 15.9950 | A        | 2.1  |
| 8 | <input type="checkbox"/> |           |            | 5753.45    | 0.0253  | P        | 5.4  |

$$y = 0.0016 * x + 8.4270E-004$$

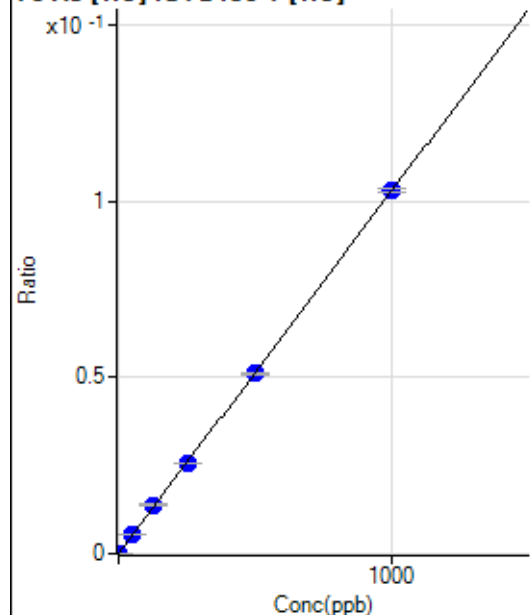
$$R = 0.9999$$

$$DL = 0.4335$$

$$BEC = 0.523$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4.67      | 0.0000 | P        | 23.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.065      | 210.02    | 0.0001 | P        | 10.5 |
| 3 | <input type="checkbox"/> | 50.000   | 52.801     | 10125.32  | 0.0054 | P        | 4.4  |
| 4 | <input type="checkbox"/> | 125.000  | 134.402    | 25714.59  | 0.0138 | P        | 5.1  |
| 5 | <input type="checkbox"/> | 250.000  | 248.465    | 50432.29  | 0.0256 | P        | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 497.045    | 97517.98  | 0.0512 | P        | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.546   | 201150.44 | 0.1030 | P        | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 102.34    | 0.0001 | P        | 11.9 |

$$y = 1.0291E-004 * x + 2.5125E-006$$

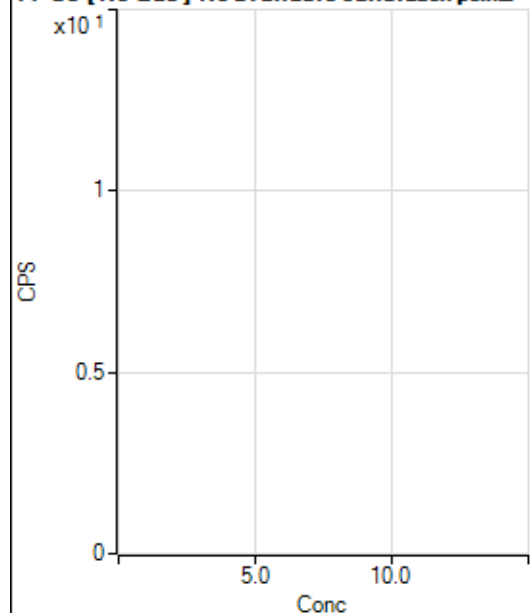
$$R = 0.9999$$

$$DL = 0.01713$$

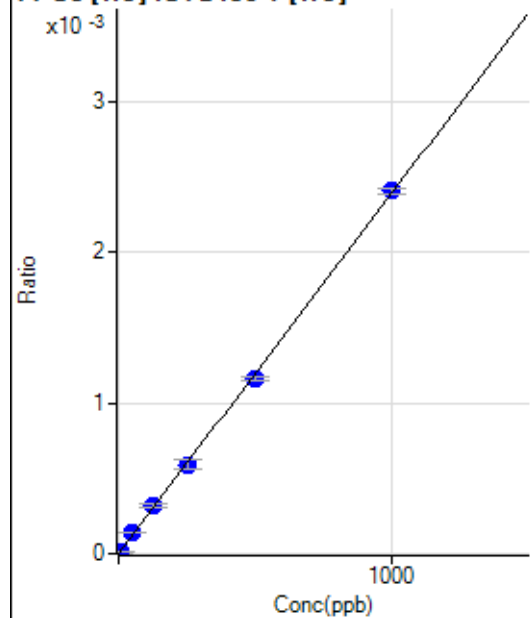
$$BEC = 0.02441$$

Weight: &lt;None&gt;

Min Conc: 0

**77 Se [No Gas] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-----------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 146.82    |       | P        | 41.1 |
| 2 | <input type="checkbox"/> |       |            | 740.79    |       | P        | 16.9 |
| 3 | <input type="checkbox"/> |       |            | 5560.16   |       | P        | 2.7  |
| 4 | <input type="checkbox"/> |       |            | 13062.97  |       | P        | 4.2  |
| 5 | <input type="checkbox"/> |       |            | 26903.67  |       | P        | 3.4  |
| 6 | <input type="checkbox"/> |       |            | 53188.60  |       | P        | 1.3  |
| 7 | <input type="checkbox"/> |       |            | 107108.85 |       | P        | 0.6  |
| 8 | <input type="checkbox"/> |       |            | 320.33    |       | P        | 14.3 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|---------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.22    | 0.0000 | P        | 86.6 |
| 2 | <input type="checkbox"/> | 5.000    | 4.964      | 24.44   | 0.0000 | P        | 20.1 |
| 3 | <input type="checkbox"/> | 50.000   | 57.177     | 256.67  | 0.0001 | P        | 3.2  |
| 4 | <input type="checkbox"/> | 125.000  | 134.238    | 597.79  | 0.0003 | P        | 6.1  |
| 5 | <input type="checkbox"/> | 250.000  | 246.741    | 1164.51 | 0.0006 | P        | 12.1 |
| 6 | <input type="checkbox"/> | 500.000  | 484.365    | 2206.87 | 0.0012 | P        | 2.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 1007.119   | 4699.73 | 0.0024 | P        | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 3.33    | 0.0000 | P        | 99.4 |

$$y = 2.3877\text{E-}006 * x + 1.1796\text{E-}006$$

$$R = 0.9997$$

$$DL = 1.284$$

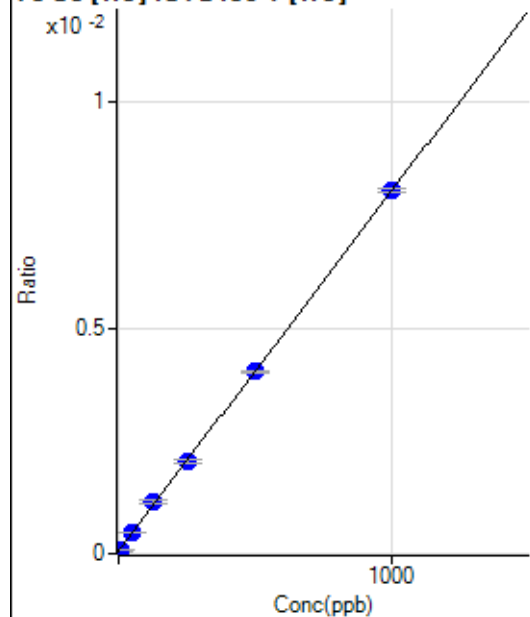
$$BEC = 0.494$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 96.01    | 0.0001 | P        | 10.4 |
| 2 | <input type="checkbox"/> | 5.000    | 5.485      | 179.35   | 0.0001 | P        | 12.6 |
| 3 | <input type="checkbox"/> | 50.000   | 52.541     | 878.79   | 0.0005 | P        | 4.1  |
| 4 | <input type="checkbox"/> | 125.000  | 136.811    | 2128.38  | 0.0011 | P        | 6.3  |
| 5 | <input type="checkbox"/> | 250.000  | 247.593    | 4005.32  | 0.0020 | P        | 4.0  |
| 6 | <input type="checkbox"/> | 500.000  | 498.198    | 7691.55  | 0.0040 | P        | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.897    | 15715.68 | 0.0080 | P        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 113.68   | 0.0001 | P        | 8.2  |

$$y = 7.9939E-006 * x + 5.1867E-005$$

$$R = 0.9999$$

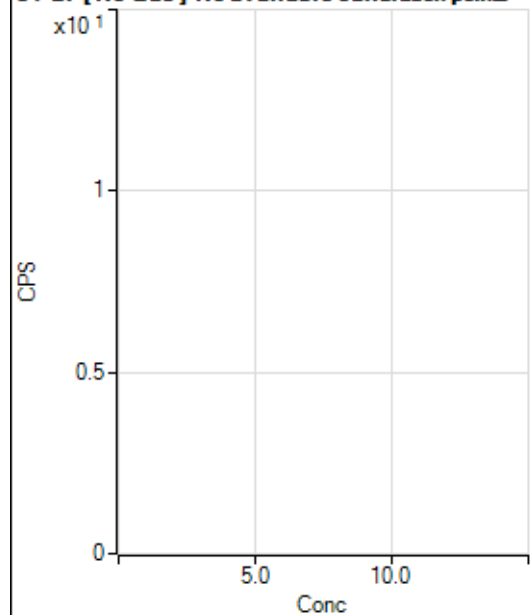
$$DL = 2.027$$

$$BEC = 6.488$$

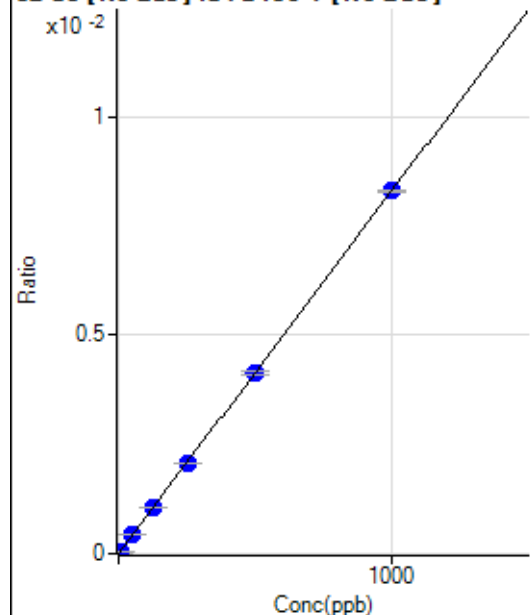
Weight: &lt;None&gt;

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"/> |       |            | 24313.15 |       | P        | 2.6 |
| 2 | <input type="checkbox"/> |       |            | 25295.89 |       | P        | 3.3 |
| 3 | <input type="checkbox"/> |       |            | 24874.83 |       | P        | 1.6 |
| 4 | <input type="checkbox"/> |       |            | 23999.03 |       | P        | 3.8 |
| 5 | <input type="checkbox"/> |       |            | 24052.52 |       | P        | 3.4 |
| 6 | <input type="checkbox"/> |       |            | 24680.56 |       | P        | 2.1 |
| 7 | <input type="checkbox"/> |       |            | 24273.00 |       | P        | 5.8 |
| 8 | <input type="checkbox"/> |       |            | 26358.84 |       | P        | 1.4 |

**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      | -215.16   | 0.0000 | P        | -97. |
| 2 | <input type="checkbox"/> | 5.000    | 5.477      | 492.82    | 0.0000 | P        | 34.2 |
| 3 | <input type="checkbox"/> | 50.000   | 53.179     | 6767.92   | 0.0004 | P        | 2.3  |
| 4 | <input type="checkbox"/> | 125.000  | 127.606    | 17208.57  | 0.0010 | P        | 0.6  |
| 5 | <input type="checkbox"/> | 250.000  | 249.449    | 34208.78  | 0.0021 | P        | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 496.404    | 66621.52  | 0.0041 | P        | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.449   | 137572.55 | 0.0083 | P        | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 142.18    | 0.0000 | P        | 130. |

$$y = 8.3110E-006 * x - 1.3693E-005$$

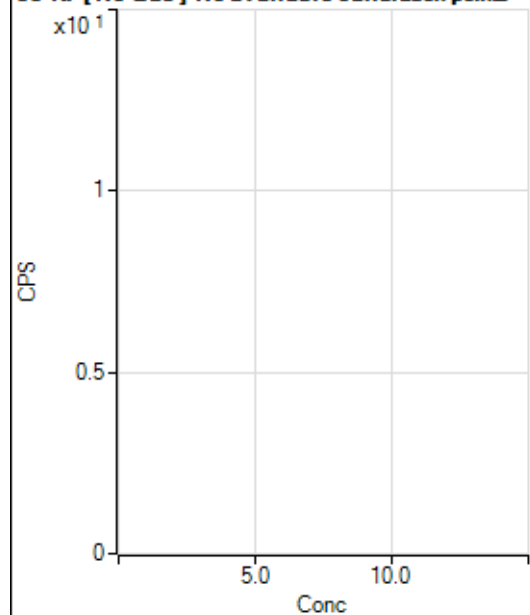
$$R = 1.0000$$

$$DL = 4.84$$

$$BEC = -1.648$$

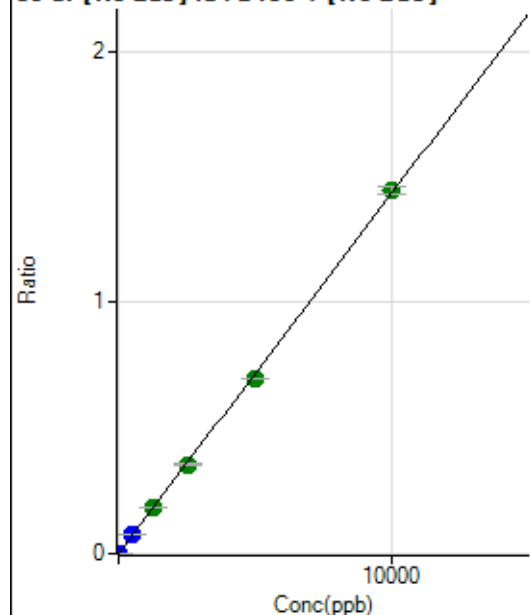
Weight: &lt;None&gt;

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"/> |       |            | 11983.63 |       | P        | 3.4 |
| 2 | <input type="checkbox"/> |       |            | 11157.22 |       | P        | 4.0 |
| 3 | <input type="checkbox"/> |       |            | 11448.24 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> |       |            | 11114.27 |       | P        | 2.0 |
| 5 | <input type="checkbox"/> |       |            | 11165.55 |       | P        | 1.5 |
| 6 | <input type="checkbox"/> |       |            | 11396.13 |       | P        | 1.7 |
| 7 | <input type="checkbox"/> |       |            | 10914.97 |       | P        | 1.4 |
| 8 | <input type="checkbox"/> |       |            | 11552.90 |       | P        | 2.1 |

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      | 19019.00    | 0.0012 | P        | 2.9  |
| 2 | <input type="checkbox"/> | 1.000     | 0.501      | 19769.91    | 0.0013 | P        | 7.3  |
| 3 | <input type="checkbox"/> | 500.000   | 505.499    | 1163149.42  | 0.0736 | P        | 1.8  |
| 4 | <input type="checkbox"/> | 1250.000  | 1264.549   | 2997158.42  | 0.1823 | A        | 1.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2476.075   | 5910819.14  | 0.3559 | A        | 2.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4854.294   | 11287377.94 | 0.6965 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 10076.741  | 23915544.98 | 1.4445 | A        | 2.0  |
| 8 | <input type="checkbox"/> |           |            | 56897.43    | 0.0035 | P        | 15.7 |

$$y = 1.4323\text{E-}004 * x + 0.0012$$

$$R = 0.9998$$

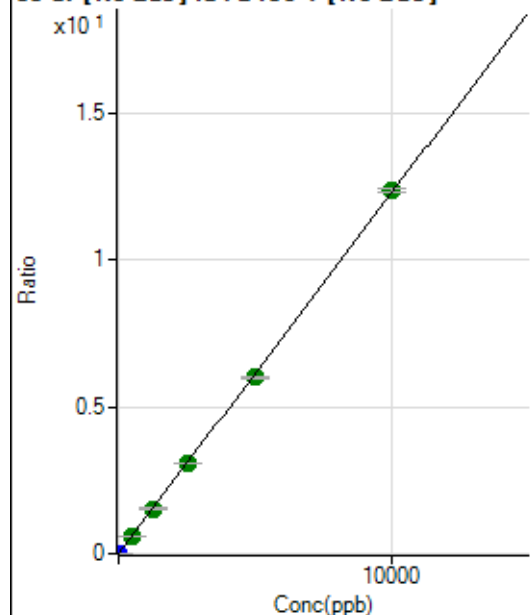
$$DL = 0.7369$$

$$BEC = 8.494$$

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<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 250.01      | 0.0000  | P        | 15.4 |
| 2 | <input type="checkbox"/> | 1.000     | 0.995      | 19005.06    | 0.0012  | P        | 2.8  |
| 3 | <input type="checkbox"/> | 500.000   | 501.292    | 9721022.44  | 0.6153  | A        | 2.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1246.529   | 25151793.79 | 1.5300  | A        | 1.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2502.259   | 51019190.72 | 3.0712  | A        | 0.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 4880.776   | 97077172.31 | 5.9906  | A        | 1.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 10059.417  | 204403719.8 | 12.3468 | A        | 1.1  |
| 8 | <input type="checkbox"/> |           |            | 351380.33   | 0.0215  | P        | 27.8 |

$$y = 0.0012 * x + 1.6007\text{E-}005$$

$$R = 0.9999$$

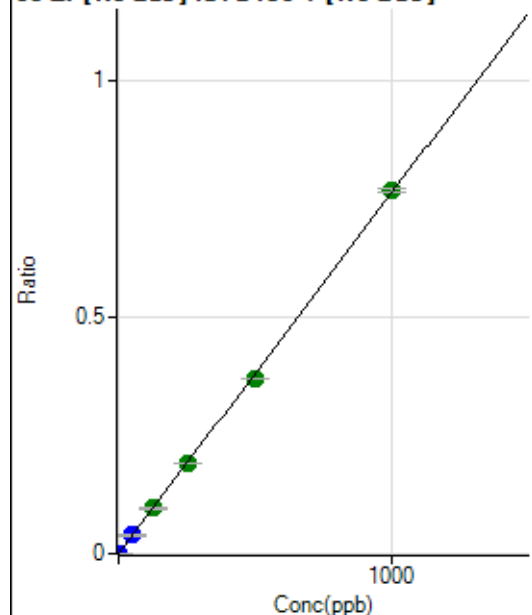
$$DL = 0.006045$$

$$BEC = 0.01304$$

Weight: &lt;None&gt;

Min Conc: 0

90 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      | 802.83      | 0.0001 | P   | 10.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.952      | 11924.88    | 0.0008 | P   | 5.7  |
| 3 | <input type="checkbox"/> | 50.000   | 50.757     | 611512.60   | 0.0387 | P   | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 125.490    | 1571566.77  | 0.0956 | A   | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 251.695    | 3184570.93  | 0.1917 | A   | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 485.811    | 5994907.21  | 0.3700 | A   | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.572   | 12689968.77 | 0.7665 | A   | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 16642.56    | 0.0010 | P   | 24.0 |

$$y = 7.6145\text{E-}004 * x + 5.1393\text{E-}005$$

$$R = 0.9998$$

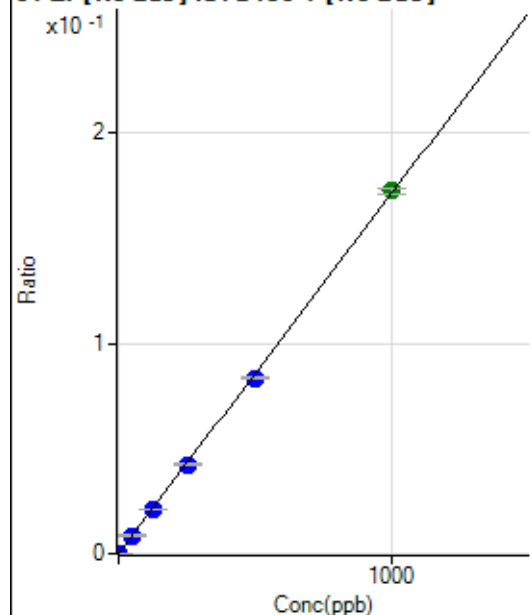
$$DL = 0.02058$$

$$BEC = 0.06749$$

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      | 150.00     | 0.0000 | P   | 4.3  |
| 2 | <input type="checkbox"/> | 1.000    | 0.967      | 2692.00    | 0.0002 | P   | 6.2  |
| 3 | <input type="checkbox"/> | 50.000   | 50.490     | 136697.05  | 0.0087 | P   | 1.6  |
| 4 | <input type="checkbox"/> | 125.000  | 123.447    | 347479.31  | 0.0211 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 247.706    | 704426.31  | 0.0424 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 487.520    | 1352292.22 | 0.0835 | P   | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.983   | 2854256.05 | 0.1724 | A   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 3672.91    | 0.0002 | P   | 18.9 |

$$y = 1.7116\text{E-}004 * x + 9.5917\text{E-}006$$

$$R = 0.9999$$

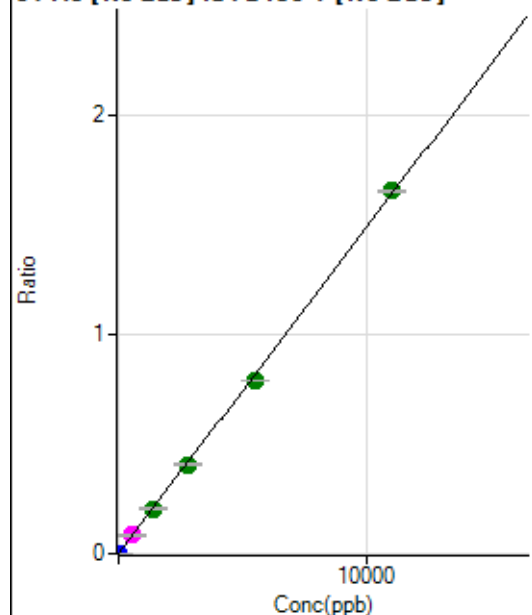
$$DL = 0.007293$$

$$BEC = 0.05604$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 277.79      | 0.0000 | P        | 16.3 |
| 2 | <input type="checkbox"/> | 5.000     | 5.989      | 13971.27    | 0.0009 | P        | 7.8  |
| 3 | <input type="checkbox"/> | 550.000   | 562.156    | 1323676.31  | 0.0838 | M        | 4.3  |
| 4 | <input type="checkbox"/> | 1375.000  | 1374.932   | 3369065.94  | 0.2050 | A        | 3.1  |
| 5 | <input type="checkbox"/> | 2750.000  | 2718.338   | 6730432.10  | 0.4052 | A        | 1.6  |
| 6 | <input type="checkbox"/> | 5500.000  | 5297.827   | 12795469.90 | 0.7897 | A        | 0.9  |
| 7 | <input type="checkbox"/> | 11000.000 | 11108.402  | 27413025.61 | 1.6557 | A        | 0.5  |
| 8 | <input type="checkbox"/> |           |            | 33240.39    | 0.0020 | P        | 27.9 |

$$y = 1.4905E-004 * x + 1.7795E-005$$

$$R = 0.9997$$

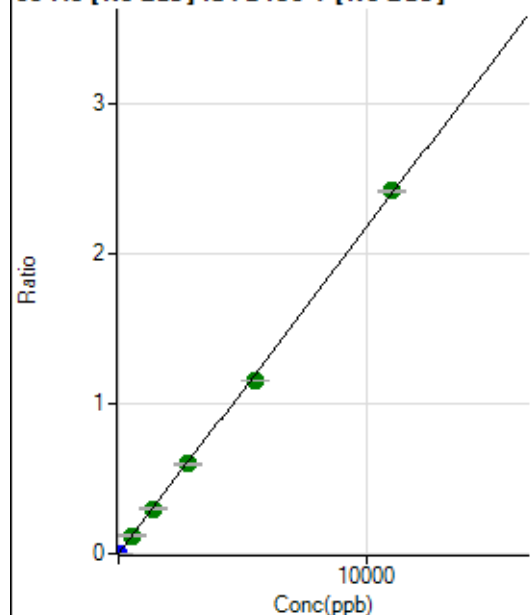
$$DL = 0.05856$$

$$BEC = 0.1194$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 25.00       | 0.0000 | P        | 100. |
| 2 | <input type="checkbox"/> | 5.000     | 5.085      | 17035.94    | 0.0011 | P        | 6.5  |
| 3 | <input type="checkbox"/> | 550.000   | 557.881    | 1920911.96  | 0.1216 | A        | 3.3  |
| 4 | <input type="checkbox"/> | 1375.000  | 1381.041   | 4947894.16  | 0.3010 | A        | 3.7  |
| 5 | <input type="checkbox"/> | 2750.000  | 2752.315   | 9964704.13  | 0.5999 | A        | 1.7  |
| 6 | <input type="checkbox"/> | 5500.000  | 5292.681   | 18695421.43 | 1.1537 | A        | 0.8  |
| 7 | <input type="checkbox"/> | 11000.000 | 11101.932  | 40069113.40 | 2.4199 | A        | 0.6  |
| 8 | <input type="checkbox"/> |           |            | 49021.88    | 0.0030 | P        | 30.7 |

$$y = 2.1798E-004 * x + 1.6129E-006$$

$$R = 0.9997$$

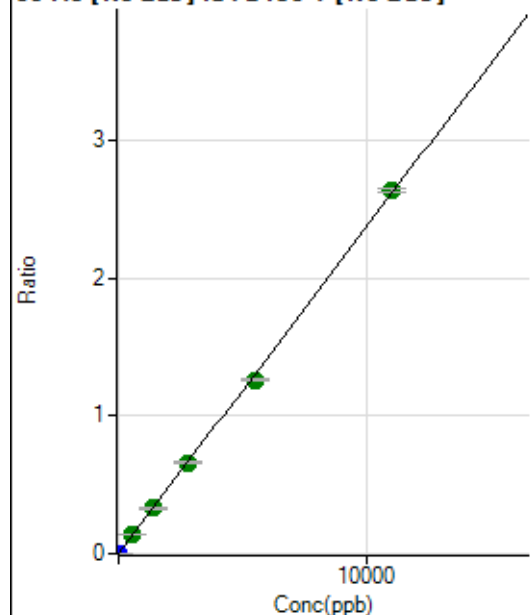
$$DL = 0.02219$$

$$BEC = 0.007399$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 294.46      | 0.0000 | P        | 5.7  |
| 2 | <input type="checkbox"/> | 5.000     | 5.125      | 19013.48    | 0.0012 | P        | 5.8  |
| 3 | <input type="checkbox"/> | 550.000   | 574.726    | 2160270.77  | 0.1368 | A        | 3.2  |
| 4 | <input type="checkbox"/> | 1375.000  | 1382.148   | 5405283.24  | 0.3289 | A        | 2.4  |
| 5 | <input type="checkbox"/> | 2750.000  | 2791.519   | 11032666.39 | 0.6642 | A        | 0.7  |
| 6 | <input type="checkbox"/> | 5500.000  | 5298.870   | 20428411.39 | 1.2607 | A        | 1.5  |
| 7 | <input type="checkbox"/> | 11000.000 | 11088.055  | 43676442.64 | 2.6381 | A        | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 63896.15    | 0.0039 | P        | 26.5 |

$$y = 2.3792E-004 * x + 1.8825E-005$$

$$R = 0.9997$$

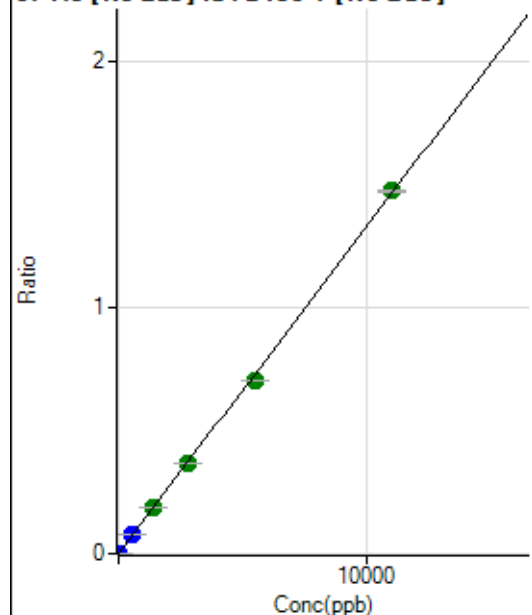
$$DL = 0.01362$$

$$BEC = 0.07912$$

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<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 13.89       | 0.0000 | P        | 70.1 |
| 2 | <input type="checkbox"/> | 5.000     | 5.052      | 10329.12    | 0.0007 | P        | 5.7  |
| 3 | <input type="checkbox"/> | 550.000   | 571.079    | 1199728.86  | 0.0759 | P        | 1.1  |
| 4 | <input type="checkbox"/> | 1375.000  | 1411.053   | 3083592.30  | 0.1876 | A        | 2.0  |
| 5 | <input type="checkbox"/> | 2750.000  | 2765.435   | 6107045.58  | 0.3677 | A        | 1.4  |
| 6 | <input type="checkbox"/> | 5500.000  | 5308.371   | 11436745.48 | 0.7058 | A        | 0.1  |
| 7 | <input type="checkbox"/> | 11000.000 | 11086.395  | 24402973.46 | 1.4739 | A        | 0.7  |
| 8 | <input type="checkbox"/> |           |            | 29944.50    | 0.0018 | P        | 30.6 |

$$y = 1.3295E-004 * x + 8.9131E-007$$

$$R = 0.9998$$

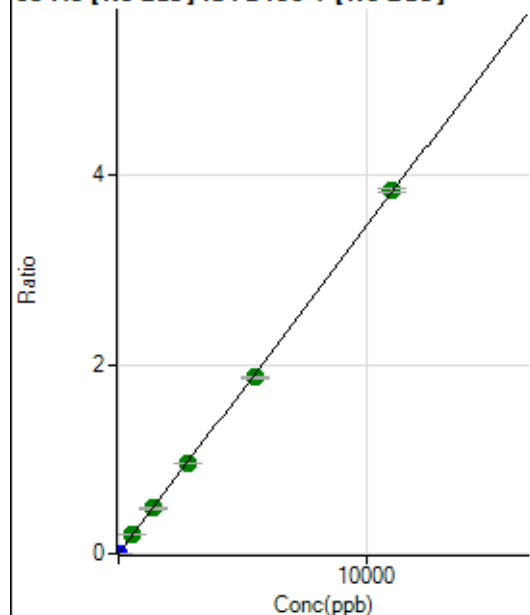
$$DL = 0.01409$$

$$BEC = 0.006704$$

Weight: &lt;None&gt;

Min Conc: 0

98 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      | 116.67      | 0.0000 | P   | 21.7 |
| 2 | <input type="checkbox"/> | 5.000     | 5.003      | 26751.32    | 0.0017 | P   | 4.2  |
| 3 | <input type="checkbox"/> | 550.000   | 570.322    | 3125050.78  | 0.1977 | A   | 1.4  |
| 4 | <input type="checkbox"/> | 1375.000  | 1384.434   | 7888876.82  | 0.4799 | A   | 1.0  |
| 5 | <input type="checkbox"/> | 2750.000  | 2750.571   | 15838782.47 | 0.9535 | A   | 0.8  |
| 6 | <input type="checkbox"/> | 5500.000  | 5375.916   | 30198990.26 | 1.8636 | A   | 0.6  |
| 7 | <input type="checkbox"/> | 11000.000 | 11059.704  | 63475282.67 | 3.8339 | A   | 1.2  |
| 8 | <input type="checkbox"/> |           |            | 77105.37    | 0.0047 | P   | 30.0 |

$$y = 3.4665\text{E-}004 * x + 7.4642\text{E-}006$$

$$R = 0.9999$$

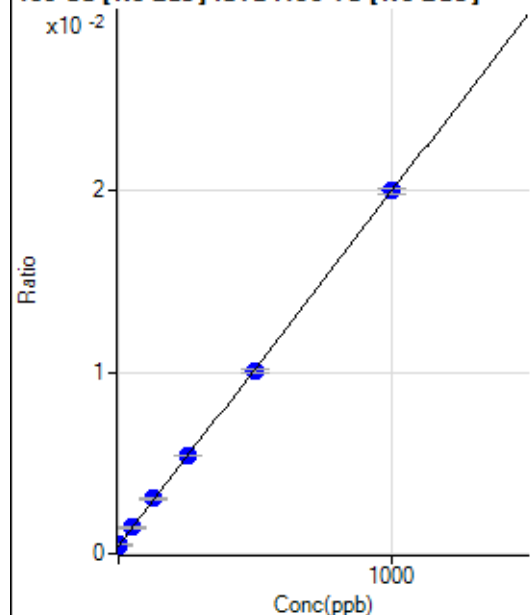
$$DL = 0.01402$$

$$BEC = 0.02153$$

Weight: &lt;None&gt;

Min Conc: 0

106 Cd [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      | 3722.83   | 0.0004 | P   | 5.1 |
| 2 | <input type="checkbox"/> | 1.000    | 3.223      | 4134.08   | 0.0005 | P   | 6.5 |
| 3 | <input type="checkbox"/> | 50.000   | 51.195     | 12553.28  | 0.0014 | P   | 3.3 |
| 4 | <input type="checkbox"/> | 125.000  | 134.269    | 27311.23  | 0.0031 | P   | 3.6 |
| 5 | <input type="checkbox"/> | 250.000  | 254.042    | 49966.73  | 0.0054 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 493.159    | 91695.31  | 0.0101 | P   | 2.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.189   | 186304.66 | 0.0200 | P   | 1.7 |
| 8 | <input type="checkbox"/> |          |            | 4097.96   | 0.0005 | P   | 4.4 |

$$y = 1.9533\text{E-}005 * x + 4.3512\text{E-}004$$

$$R = 0.9999$$

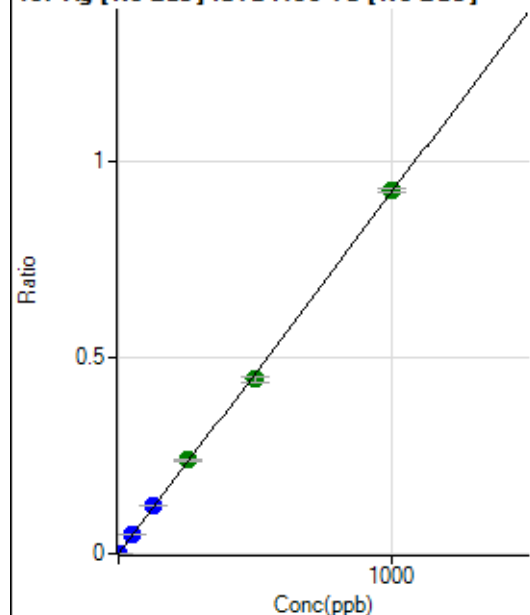
$$DL = 3.425$$

$$BEC = 22.28$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 119.45     | 0.0000 | P        | 4.3  |
| 2 | <input type="checkbox"/> | 1.000    | 1.054      | 8180.41    | 0.0010 | P        | 3.6  |
| 3 | <input type="checkbox"/> | 50.000   | 52.475     | 423212.31  | 0.0484 | P        | 3.3  |
| 4 | <input type="checkbox"/> | 125.000  | 131.493    | 1082822.91 | 0.1212 | P        | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 258.563    | 2206467.95 | 0.2383 | A        | 2.3  |
| 6 | <input type="checkbox"/> | 500.000  | 484.123    | 4063994.84 | 0.4463 | A        | 3.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1004.862   | 8634760.44 | 0.9262 | A        | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 4506.44    | 0.0005 | P        | 18.2 |

$$y = 9.2174\text{E-}004 * x + 1.3961\text{E-}005$$

$$R = 0.9998$$

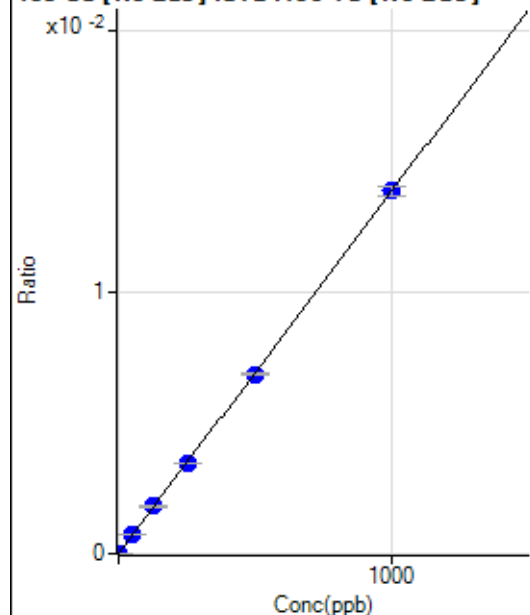
$$DL = 0.00195$$

$$BEC = 0.01515$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 29.17     | 0.0000 | P        | 50.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.315      | 179.17    | 0.0000 | P        | 11.8 |
| 3 | <input type="checkbox"/> | 50.000   | 51.586     | 6272.34   | 0.0007 | P        | 3.9  |
| 4 | <input type="checkbox"/> | 125.000  | 131.226    | 16247.27  | 0.0018 | P        | 2.2  |
| 5 | <input type="checkbox"/> | 250.000  | 248.603    | 31873.20  | 0.0034 | P        | 0.2  |
| 6 | <input type="checkbox"/> | 500.000  | 496.083    | 62555.96  | 0.0069 | P        | 1.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.450   | 129143.61 | 0.0139 | P        | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 248.62    | 0.0000 | P        | 35.4 |

$$y = 1.3835\text{E-}005 * x + 3.3838\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.3704$$

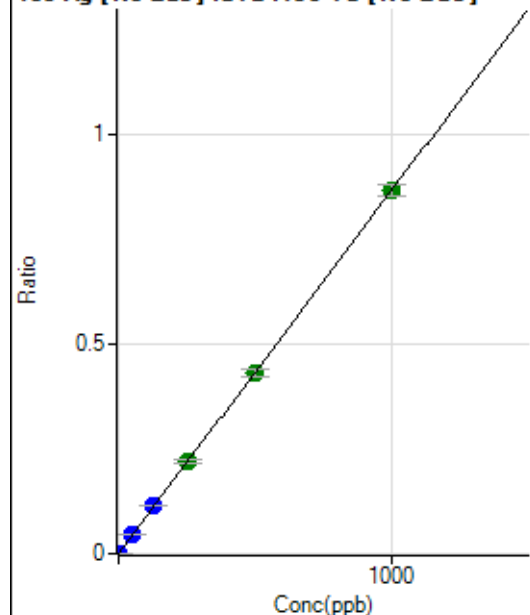
$$BEC = 0.2446$$

Weight: &lt;None&gt;

Min Conc: 0



109 Ag [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      | 38.89      | 0.0000 | P   | 33.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.019      | 7354.96    | 0.0009 | P   | 6.9  |
| 3 | <input type="checkbox"/> | 50.000   | 52.256     | 395786.89  | 0.0452 | P   | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 132.434    | 1024046.28 | 0.1146 | P   | 2.4  |
| 5 | <input type="checkbox"/> | 250.000  | 255.461    | 2047132.49 | 0.2211 | A   | 3.1  |
| 6 | <input type="checkbox"/> | 500.000  | 496.608    | 3913962.67 | 0.4298 | A   | 3.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.289    | 8058483.69 | 0.8649 | A   | 3.3  |
| 8 | <input type="checkbox"/> |          |            | 4628.70    | 0.0005 | P   | 8.8  |

$$y = 8.6554\text{E-}004 * x + 4.5590\text{E-}006$$

$$R = 1.0000$$

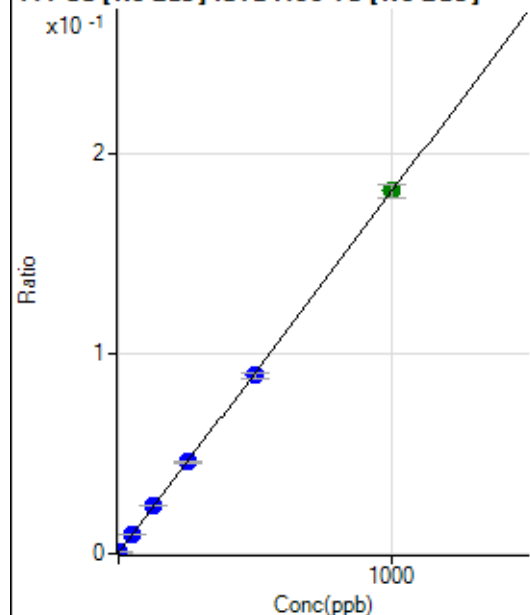
$$DL = 0.005294$$

$$BEC = 0.005267$$

Weight: &lt;None&gt;

Min Conc: 0

111 Cd [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      | 2631.40    | 0.0003 | P   | 5.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.202      | 4357.44    | 0.0005 | P   | 5.5 |
| 3 | <input type="checkbox"/> | 50.000   | 50.074     | 81925.87   | 0.0094 | P   | 2.3 |
| 4 | <input type="checkbox"/> | 125.000  | 131.072    | 214529.70  | 0.0240 | P   | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 252.565    | 425764.71  | 0.0460 | P   | 2.2 |
| 6 | <input type="checkbox"/> | 500.000  | 492.493    | 814085.46  | 0.0894 | P   | 3.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.350   | 1691891.29 | 0.1816 | A   | 3.8 |
| 8 | <input type="checkbox"/> |          |            | 4401.67    | 0.0005 | P   | 9.4 |

$$y = 1.8088\text{E-}004 * x + 3.0757\text{E-}004$$

$$R = 0.9999$$

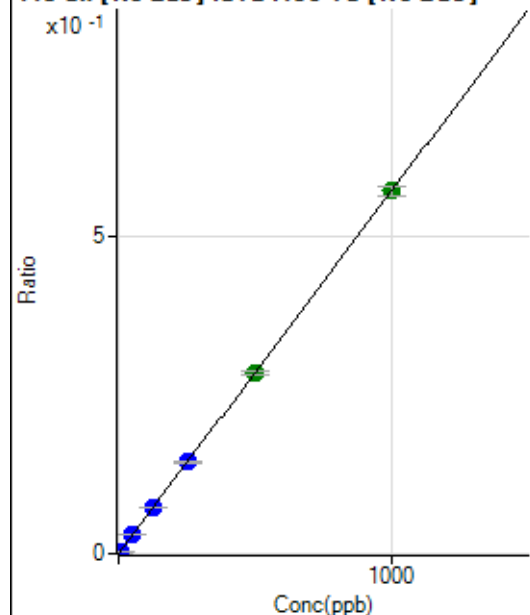
$$DL = 0.2886$$

$$BEC = 1.7$$

Weight: &lt;None&gt;

Min Conc: 0

118 Sn [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      | 697.26     | 0.0001 | P   | 17.7 |
| 2 | <input type="checkbox"/> | 5.000    | 5.186      | 25296.32   | 0.0030 | P   | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 52.050     | 261030.87  | 0.0298 | P   | 3.2  |
| 4 | <input type="checkbox"/> | 125.000  | 128.164    | 655308.17  | 0.0734 | P   | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 253.865    | 1344520.99 | 0.1452 | P   | 2.5  |
| 6 | <input type="checkbox"/> | 500.000  | 496.486    | 2586439.40 | 0.2839 | A   | 2.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.292   | 5329640.92 | 0.5720 | A   | 2.7  |
| 8 | <input type="checkbox"/> |          |            | 8775.98    | 0.0010 | P   | 24.5 |

$$y = 5.7174\text{E-}004 * x + 8.1723\text{E-}005$$

$$R = 1.0000$$

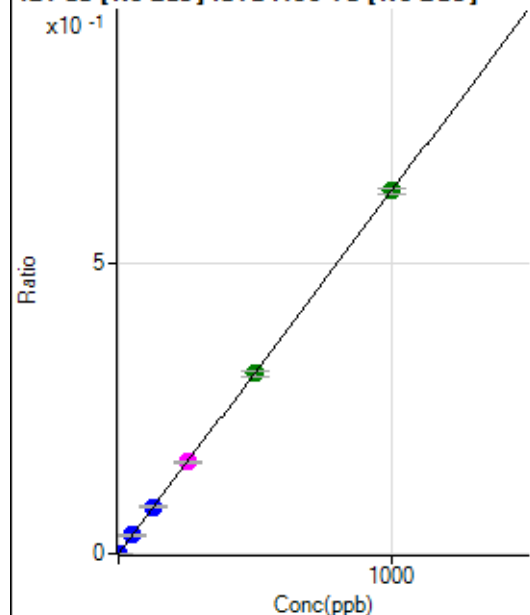
$$DL = 0.07593$$

$$BEC = 0.1429$$

Weight: &lt;None&gt;

Min Conc: 0

121 Sb [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      | 27.78      | 0.0000 | P   | 73.9 |
| 2 | <input type="checkbox"/> | 2.000    | 2.007      | 10459.87   | 0.0013 | P   | 1.2  |
| 3 | <input type="checkbox"/> | 50.000   | 50.858     | 278526.26  | 0.0318 | P   | 2.2  |
| 4 | <input type="checkbox"/> | 125.000  | 129.449    | 723869.29  | 0.0810 | P   | 1.8  |
| 5 | <input type="checkbox"/> | 250.000  | 252.754    | 1464732.07 | 0.1582 | M   | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 497.317    | 2834782.92 | 0.3113 | A   | 3.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.054   | 5833533.08 | 0.6260 | A   | 1.9  |
| 8 | <input type="checkbox"/> |          |            | 10766.28   | 0.0012 | P   | 18.1 |

$$y = 6.2595\text{E-}004 * x + 3.2060\text{E-}006$$

$$R = 1.0000$$

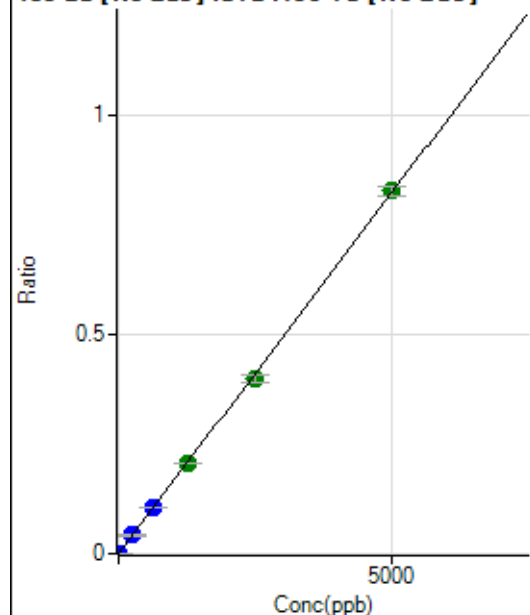
$$DL = 0.01136$$

$$BEC = 0.005122$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 22.22      | 0.0000 | P        | 57.5 |
| 2 | <input type="checkbox"/> | 10.000   | 10.395     | 14205.04   | 0.0017 | P        | 2.3  |
| 3 | <input type="checkbox"/> | 250.000  | 254.345    | 365531.70  | 0.0418 | P        | 2.4  |
| 4 | <input type="checkbox"/> | 625.000  | 641.326    | 941154.45  | 0.1054 | P        | 1.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1255.546   | 1909451.86 | 0.2063 | A        | 1.2  |
| 6 | <input type="checkbox"/> | 2500.000 | 2429.186   | 3633194.87 | 0.3990 | A        | 4.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 5031.762   | 7702604.16 | 0.8266 | A        | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 10052.58   | 0.0011 | P        | 34.9 |

$$y = 1.6427E-004 * x + 2.6103E-006$$

$$R = 0.9998$$

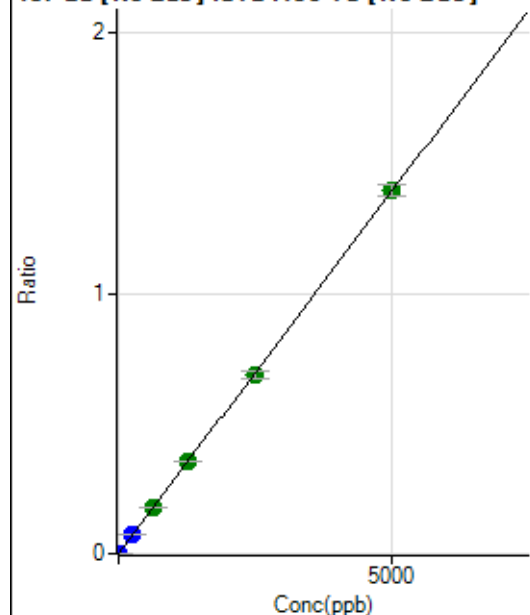
$$DL = 0.02739$$

$$BEC = 0.01589$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 13.89       | 0.0000 | P        | 91.3 |
| 2 | <input type="checkbox"/> | 10.000   | 9.998      | 23075.92    | 0.0028 | P        | 5.0  |
| 3 | <input type="checkbox"/> | 250.000  | 256.339    | 623489.63   | 0.0713 | P        | 0.3  |
| 4 | <input type="checkbox"/> | 625.000  | 638.984    | 1586644.50  | 0.1776 | A        | 1.3  |
| 5 | <input type="checkbox"/> | 1250.000 | 1277.703   | 3287967.59  | 0.3552 | A        | 1.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2460.433   | 6227172.49  | 0.6839 | A        | 4.1  |
| 7 | <input type="checkbox"/> | 5000.000 | 5010.793   | 12978527.03 | 1.3928 | A        | 3.0  |
| 8 | <input type="checkbox"/> |          |            | 17933.65    | 0.0020 | P        | 31.5 |

$$y = 2.7796E-004 * x + 1.5974E-006$$

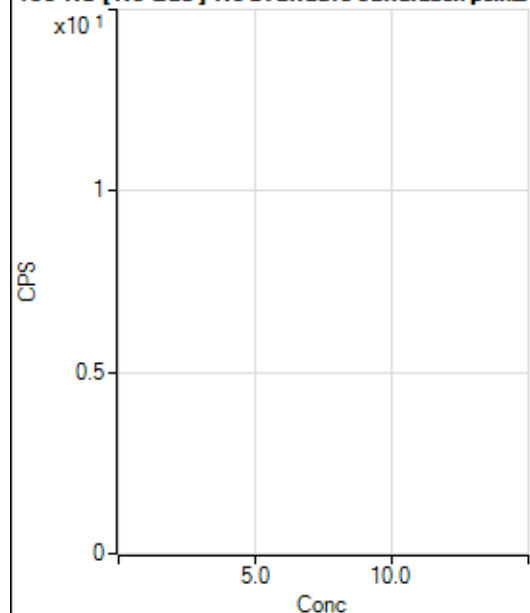
$$R = 0.9999$$

$$DL = 0.01573$$

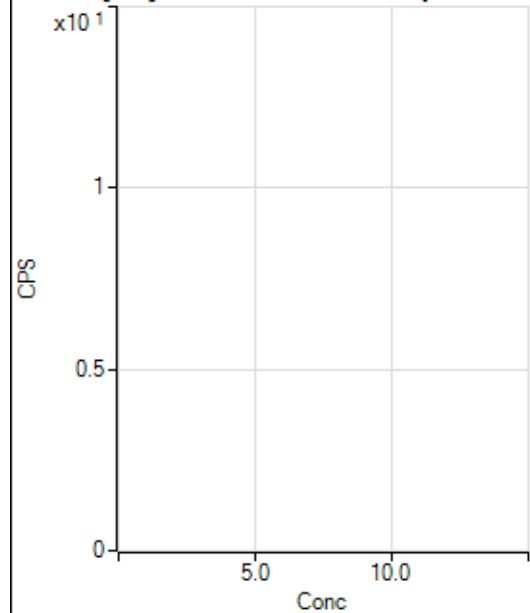
$$BEC = 0.005747$$

Weight: &lt;None&gt;

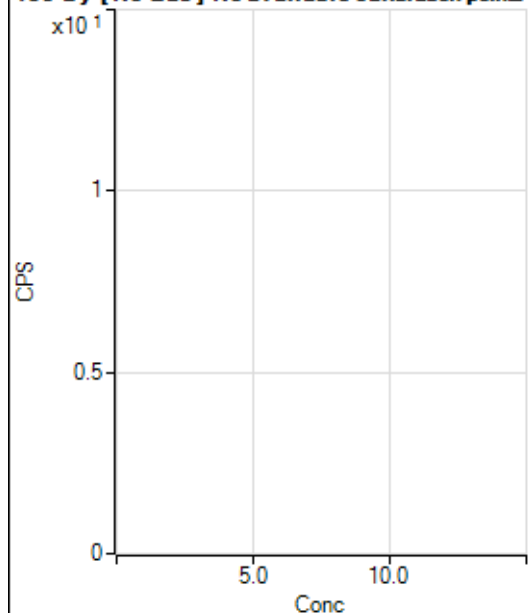
Min Conc: 0

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

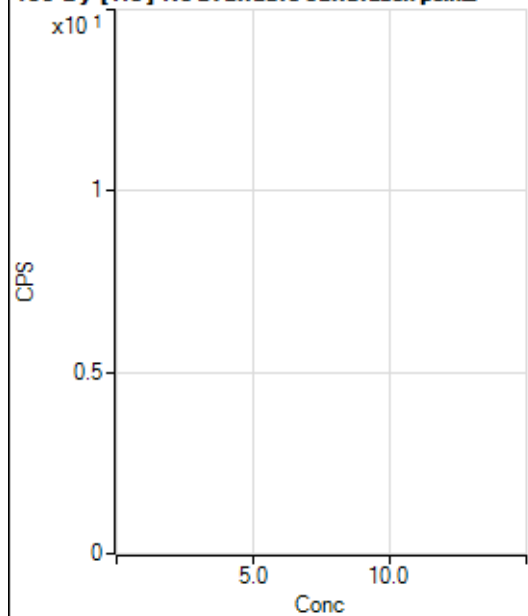
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 69.3 |
| 3 | <input type="checkbox"/> |       |            | 31.11  |       | P        | 89.2 |
| 4 | <input type="checkbox"/> |       |            | 71.11  |       | P        | 54.9 |
| 5 | <input type="checkbox"/> |       |            | 111.11 |       | P        | 44.2 |
| 6 | <input type="checkbox"/> |       |            | 153.34 |       | P        | 7.5  |
| 7 | <input type="checkbox"/> |       |            | 324.46 |       | P        | 8.3  |
| 8 | <input type="checkbox"/> |       |            | 62.23  |       | P        | 22.3 |

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

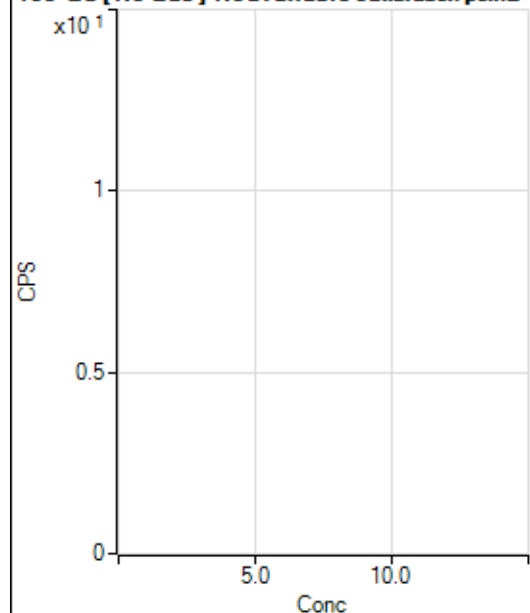
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 4 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 43.4 |
| 5 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 57.8 |
| 6 | <input type="checkbox"/> |       |            | 20.00 |       | P        | 16.7 |
| 7 | <input type="checkbox"/> |       |            | 30.00 |       | P        | 48.4 |
| 8 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 99.9 |

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

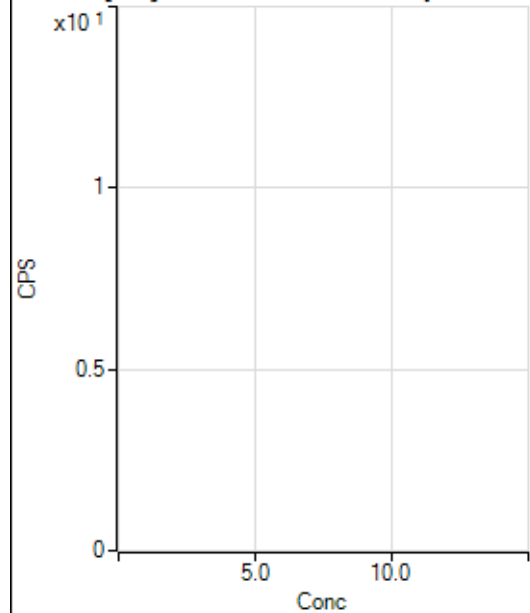
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.55    |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 5.56    |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 30.56   |       | P        | 31.5 |
| 4 | <input type="checkbox"/> |       |            | 77.78   |       | P        | 40.6 |
| 5 | <input type="checkbox"/> |       |            | 80.56   |       | P        | 33.3 |
| 6 | <input type="checkbox"/> |       |            | 155.56  |       | P        | 8.2  |
| 7 | <input type="checkbox"/> |       |            | 327.79  |       | P        | 3.9  |
| 8 | <input type="checkbox"/> |       |            | 1183.42 |       | P        | 6.0  |

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

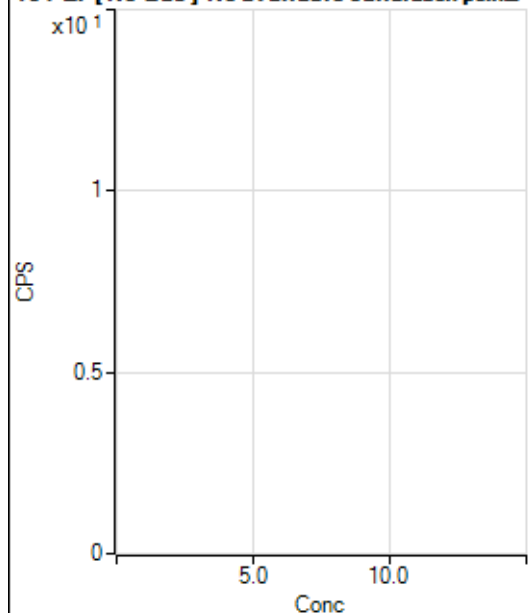
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 4.45   |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 24.44  |       | P        | 34.3 |
| 5 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 29.1 |
| 6 | <input type="checkbox"/> |       |            | 92.22  |       | P        | 20.9 |
| 7 | <input type="checkbox"/> |       |            | 191.12 |       | P        | 11.9 |
| 8 | <input type="checkbox"/> |       |            | 561.13 |       | P        | 3.4  |

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

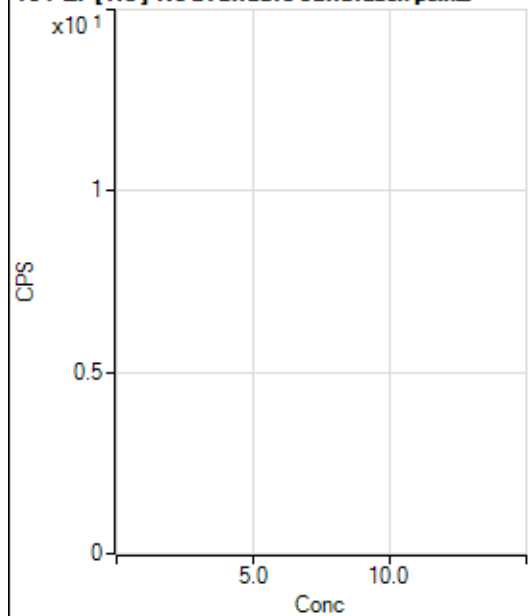
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 38.89   |       | P        | 32.7 |
| 2 | <input type="checkbox"/> |       |            | 44.45   |       | P        | 54.1 |
| 3 | <input type="checkbox"/> |       |            | 58.33   |       | P        | 14.3 |
| 4 | <input type="checkbox"/> |       |            | 77.78   |       | P        | 22.3 |
| 5 | <input type="checkbox"/> |       |            | 116.67  |       | P        | 25.8 |
| 6 | <input type="checkbox"/> |       |            | 127.79  |       | P        | 16.4 |
| 7 | <input type="checkbox"/> |       |            | 308.34  |       | P        | 12.4 |
| 8 | <input type="checkbox"/> |       |            | 1175.09 |       | P        | 5.0  |

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

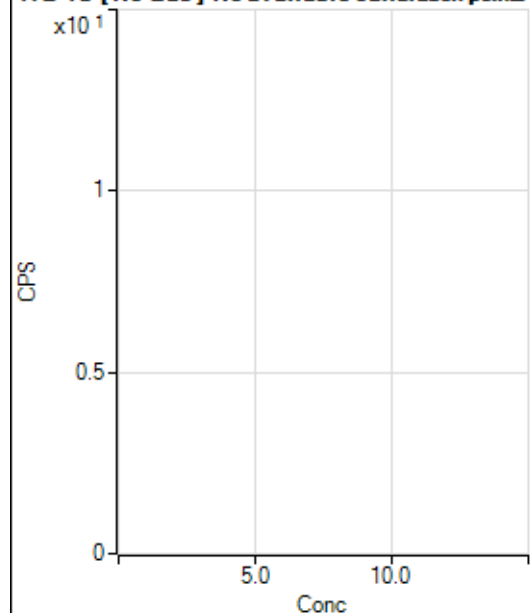
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 15.2 |
| 2 | <input type="checkbox"/> |       |            | 85.55  |       | P        | 15.7 |
| 3 | <input type="checkbox"/> |       |            | 81.11  |       | P        | 9.5  |
| 4 | <input type="checkbox"/> |       |            | 91.11  |       | P        | 47.0 |
| 5 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 10.5 |
| 6 | <input type="checkbox"/> |       |            | 133.34 |       | P        | 19.5 |
| 7 | <input type="checkbox"/> |       |            | 242.23 |       | P        | 17.2 |
| 8 | <input type="checkbox"/> |       |            | 751.14 |       | P        | 6.2  |

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

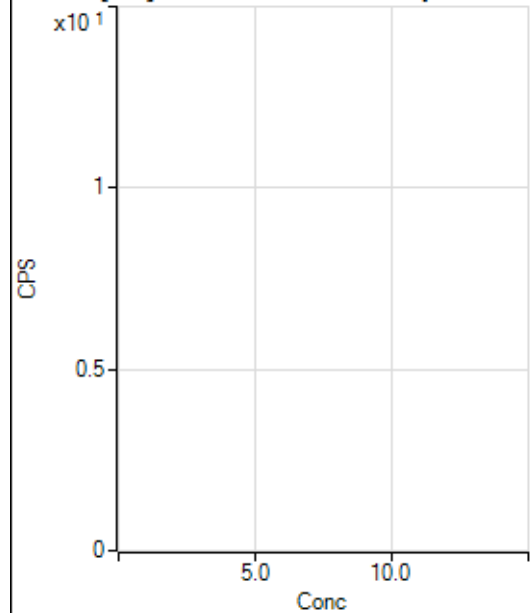
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 43.8 |
| 2 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 26.7 |
| 3 | <input type="checkbox"/> |       |            | 47.22  |       | P        | 20.4 |
| 4 | <input type="checkbox"/> |       |            | 75.00  |       | P        | 22.2 |
| 5 | <input type="checkbox"/> |       |            | 86.11  |       | P        | 11.2 |
| 6 | <input type="checkbox"/> |       |            | 75.00  |       | P        | 19.3 |
| 7 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 59.2 |
| 8 | <input type="checkbox"/> |       |            | 222.23 |       | P        | 22.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 35.56 |       | P        | 14.3 |
| 2 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 36.1 |
| 3 | <input type="checkbox"/> |       |            | 31.11 |       | P        | 16.4 |
| 4 | <input type="checkbox"/> |       |            | 35.56 |       | P        | 5.4  |
| 5 | <input type="checkbox"/> |       |            | 41.11 |       | P        | 16.9 |
| 6 | <input type="checkbox"/> |       |            | 42.22 |       | P        | 25.4 |
| 7 | <input type="checkbox"/> |       |            | 74.45 |       | P        | 5.2  |
| 8 | <input type="checkbox"/> |       |            | 94.45 |       | P        | 4.1  |

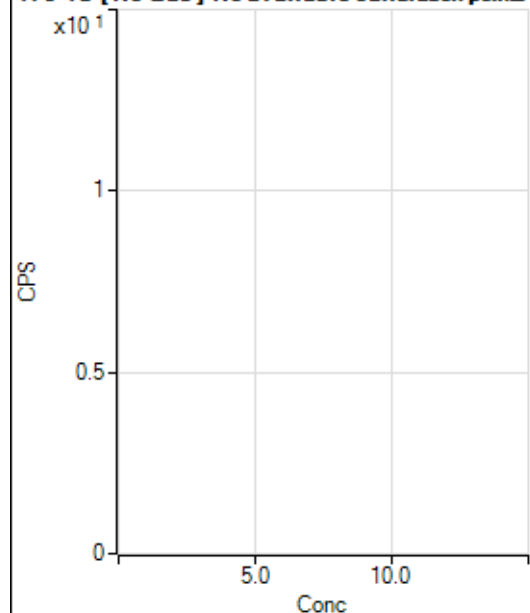
**172 Yb [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 19.44 |       | P        | 89.2 |
| 2 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 43.3 |
| 3 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 62.5 |
| 4 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 101. |
| 5 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 32.7 |
| 6 | <input type="checkbox"/> |       |            | 44.45 |       | P        | 71.0 |
| 7 | <input type="checkbox"/> |       |            | 61.11 |       | P        | 15.7 |
| 8 | <input type="checkbox"/> |       |            | 86.11 |       | P        | 14.8 |

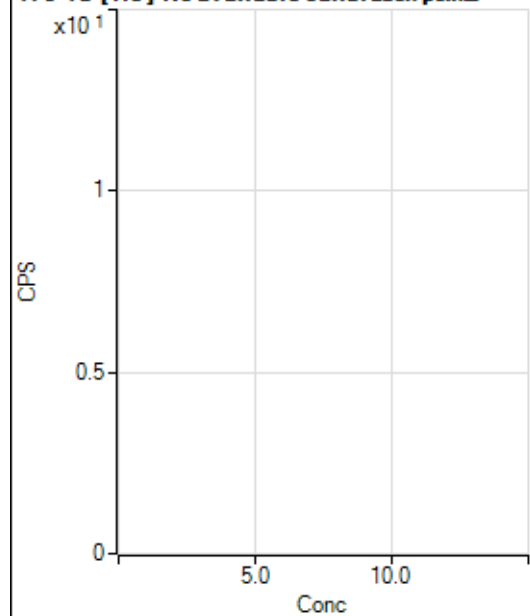
**172 Yb [ He ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 9.26  |       | P        | 91.7 |
| 2 | <input type="checkbox"/> |       |            | 14.82 |       | P        | 21.7 |
| 3 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 100. |
| 4 | <input type="checkbox"/> |       |            | 9.26  |       | P        | 34.6 |
| 5 | <input type="checkbox"/> |       |            | 14.82 |       | P        | 21.7 |
| 6 | <input type="checkbox"/> |       |            | 29.63 |       | P        | 65.8 |
| 7 | <input type="checkbox"/> |       |            | 25.93 |       | P        | 12.4 |
| 8 | <input type="checkbox"/> |       |            | 62.96 |       | P        | 13.5 |



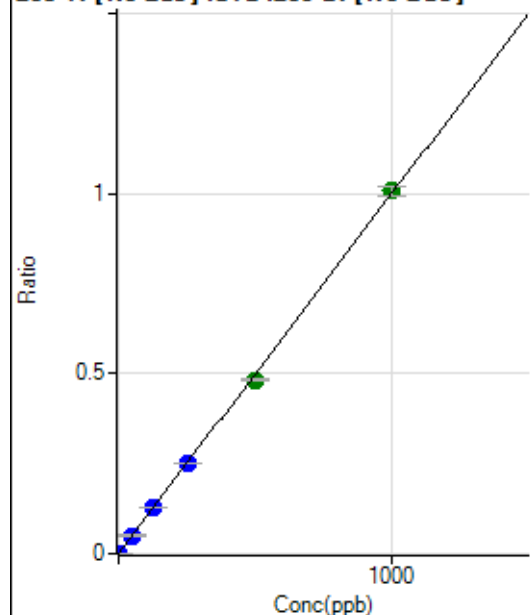
**176 Yb [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 994.51   |       | P        | 1.7 |
| 2 | <input type="checkbox"/> |       |            | 1061.19  |       | P        | 8.7 |
| 3 | <input type="checkbox"/> |       |            | 2158.59  |       | P        | 7.4 |
| 4 | <input type="checkbox"/> |       |            | 3575.58  |       | P        | 2.7 |
| 5 | <input type="checkbox"/> |       |            | 6326.70  |       | P        | 2.5 |
| 6 | <input type="checkbox"/> |       |            | 11388.59 |       | P        | 4.2 |
| 7 | <input type="checkbox"/> |       |            | 23223.86 |       | P        | 2.6 |
| 8 | <input type="checkbox"/> |       |            | 1122.31  |       | P        | 7.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 6149.68  |       | P        | 3.2 |
| 2 | <input type="checkbox"/> |       |            | 5738.38  |       | P        | 8.5 |
| 3 | <input type="checkbox"/> |       |            | 6409.09  |       | P        | 4.0 |
| 4 | <input type="checkbox"/> |       |            | 7276.20  |       | P        | 0.3 |
| 5 | <input type="checkbox"/> |       |            | 9112.58  |       | P        | 0.9 |
| 6 | <input type="checkbox"/> |       |            | 11868.49 |       | P        | 8.3 |
| 7 | <input type="checkbox"/> |       |            | 18342.72 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> |       |            | 6407.23  |       | P        | 2.9 |

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 261.12     | 0.0001 | P    | 10.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.976      | 4650.96    | 0.0010 | P    | 2.1  |
| 3 | <input type="checkbox"/> | 50.000   | 49.667     | 231482.71  | 0.0496 | P    | 7.7  |
| 4 | <input type="checkbox"/> | 125.000  | 127.662    | 610383.79  | 0.1274 | P    | 2.1  |
| 5 | <input type="checkbox"/> | 250.000  | 250.462    | 1250158.14 | 0.2500 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 482.055    | 2420497.43 | 0.4811 | A    | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.541   | 5078136.92 | 1.0064 | A    | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 5701.89    | 0.0013 | P    | 37.7 |

$$y = 9.9787E-004 * x + 5.7096E-005$$

$$R = 0.9998$$

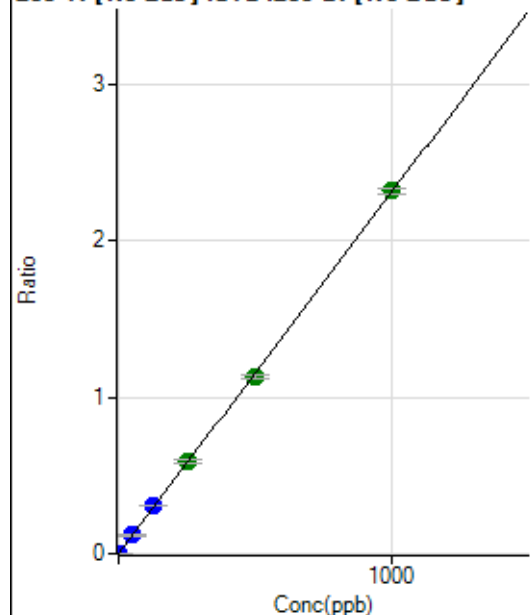
$$DL = 0.01727$$

$$BEC = 0.05722$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 775.05      | 0.0002 | P    | 3.5  |
| 2 | <input type="checkbox"/> | 1.000    | 0.976      | 10935.52    | 0.0024 | P    | 2.5  |
| 3 | <input type="checkbox"/> | 50.000   | 51.525     | 556572.41   | 0.1192 | P    | 5.7  |
| 4 | <input type="checkbox"/> | 125.000  | 132.461    | 1466549.60  | 0.3062 | P    | 2.3  |
| 5 | <input type="checkbox"/> | 250.000  | 254.315    | 2938211.70  | 0.5878 | A    | 4.0  |
| 6 | <input type="checkbox"/> | 500.000  | 488.241    | 5674211.58  | 1.1283 | A    | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.792   | 11707599.40 | 2.3194 | A    | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 12995.91    | 0.0029 | P    | 46.1 |

$$y = 0.0023 * x + 1.6950E-004$$

$$R = 0.9999$$

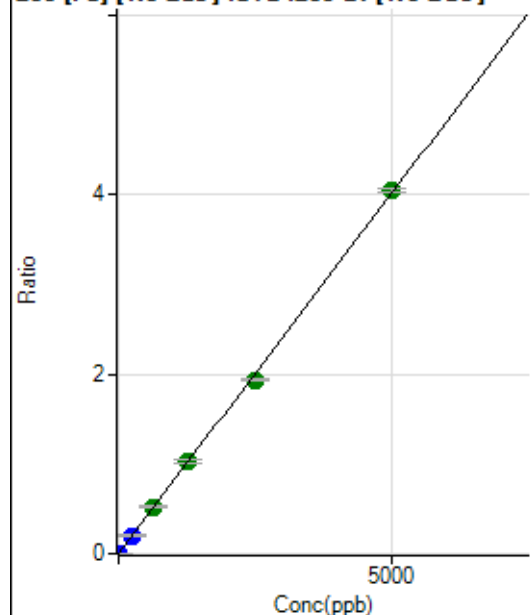
$$DL = 0.007695$$

$$BEC = 0.07336$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 737.07      | 0.0002 | P        | 9.4  |
| 2 | <input type="checkbox"/> | 1.000    | 1.019      | 4415.65     | 0.0010 | P        | 3.7  |
| 3 | <input type="checkbox"/> | 250.000  | 248.367    | 931600.44   | 0.1997 | P        | 8.1  |
| 4 | <input type="checkbox"/> | 625.000  | 652.546    | 2511682.84  | 0.5245 | A        | 1.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1282.905   | 5154492.18  | 1.0309 | A        | 2.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2407.661   | 9730797.67  | 1.9347 | A        | 1.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 5034.582   | 20417061.80 | 4.0453 | A        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 25895.51    | 0.0059 | P        | 30.0 |

$$y = 8.0347\text{E-}004 * x + 1.6109\text{E-}004$$

$$R = 0.9997$$

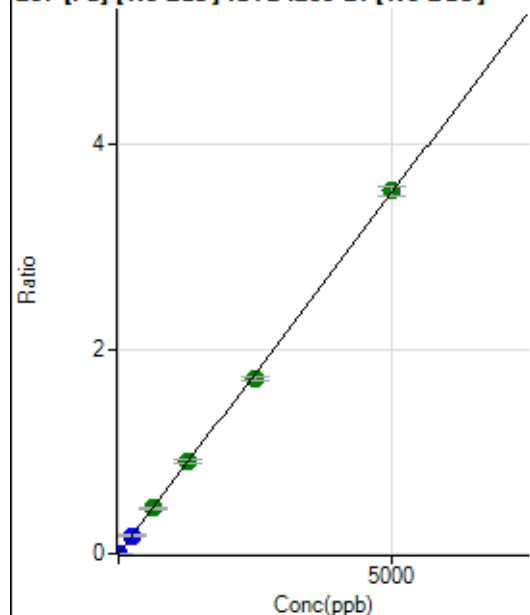
$$DL = 0.05644$$

$$BEC = 0.2005$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 646.33      | 0.0001 | P        | 4.8  |
| 2 | <input type="checkbox"/> | 1.000    | 0.960      | 3687.64     | 0.0008 | P        | 5.3  |
| 3 | <input type="checkbox"/> | 250.000  | 246.214    | 810786.71   | 0.1737 | P        | 5.8  |
| 4 | <input type="checkbox"/> | 625.000  | 627.144    | 2117558.23  | 0.4421 | A        | 0.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1284.083   | 4524965.09  | 0.9052 | A        | 3.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2426.155   | 8601834.68  | 1.7101 | A        | 1.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 5028.323   | 17879368.80 | 3.5441 | A        | 2.8  |
| 8 | <input type="checkbox"/> |          |            | 22550.93    | 0.0051 | P        | 31.6 |

$$y = 7.0479\text{E-}004 * x + 1.4138\text{E-}004$$

$$R = 0.9998$$

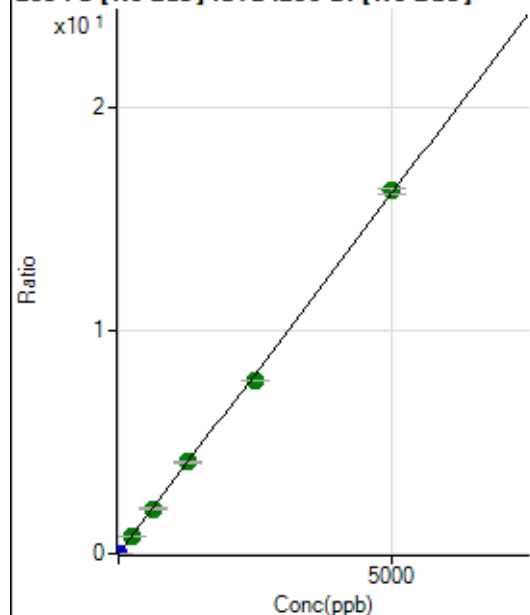
$$DL = 0.02908$$

$$BEC = 0.2006$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2831.65     | 0.0006  | P        | 1.6  |
| 2 | <input type="checkbox"/> | 1.000    | 0.987      | 17171.43    | 0.0038  | P        | 2.6  |
| 3 | <input type="checkbox"/> | 250.000  | 246.641    | 3725080.91  | 0.7978  | A        | 5.4  |
| 4 | <input type="checkbox"/> | 625.000  | 626.436    | 9700590.38  | 2.0255  | A        | 0.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1269.230   | 20515127.31 | 4.1032  | A        | 2.5  |
| 6 | <input type="checkbox"/> | 2500.000 | 2410.317   | 39195710.37 | 7.7916  | A        | 0.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 5040.022   | 82201895.47 | 16.2917 | A        | 1.9  |
| 8 | <input type="checkbox"/> |          |            | 102650.38   | 0.0233  | P        | 31.0 |

$$y = 0.0032 * x + 6.1914E-004$$

$$R = 0.9998$$

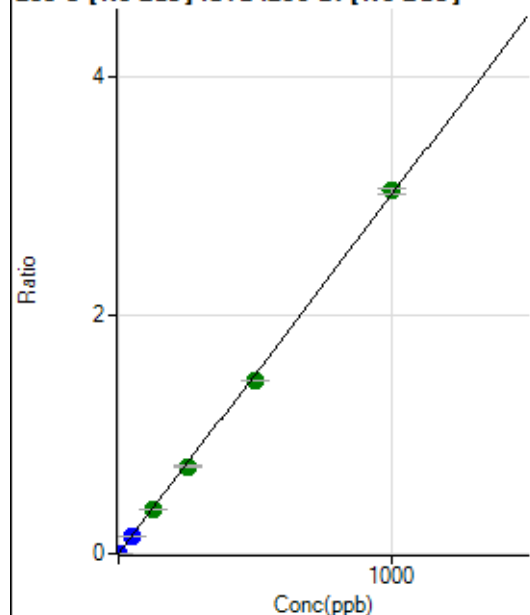
$$DL = 0.008929$$

$$BEC = 0.1915$$

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      | 19.44       | 0.0000 | P        | 89.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.933      | 12679.00    | 0.0028 | P        | 4.1  |
| 3 | <input type="checkbox"/> | 50.000   | 49.602     | 697446.18   | 0.1493 | P        | 3.5  |
| 4 | <input type="checkbox"/> | 125.000  | 124.235    | 1790419.90  | 0.3739 | A        | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 243.247    | 3660171.69  | 0.7320 | A        | 2.6  |
| 6 | <input type="checkbox"/> | 500.000  | 481.554    | 7289838.36  | 1.4491 | A        | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1011.027   | 15355041.49 | 3.0425 | A        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 14945.06    | 0.0034 | P        | 51.0 |

$$y = 0.0030 * x + 4.2291E-006$$

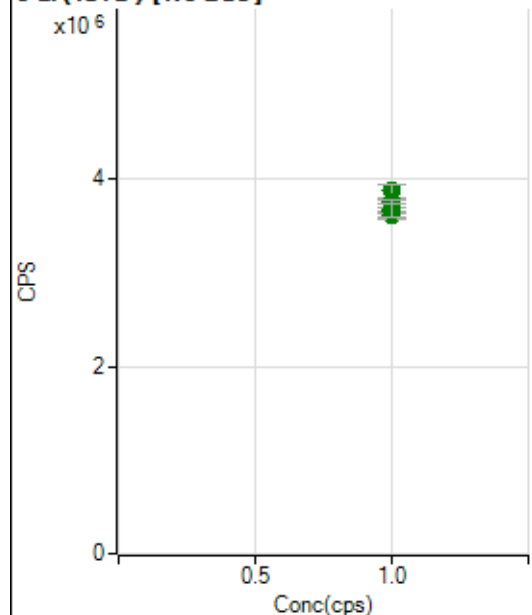
$$R = 0.9997$$

$$DL = 0.003763$$

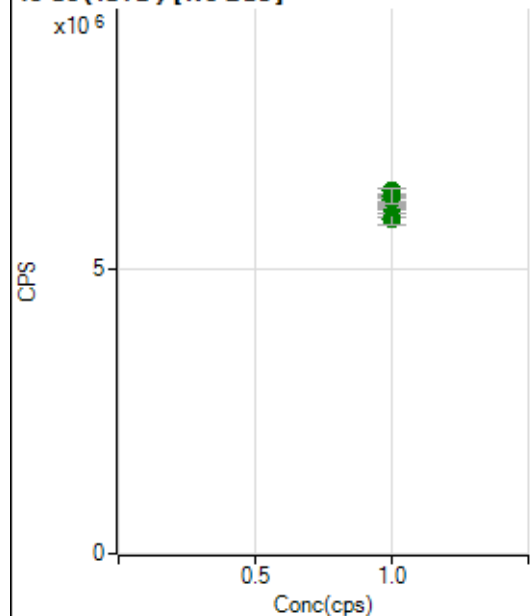
$$BEC = 0.001405$$

Weight: &lt;None&gt;

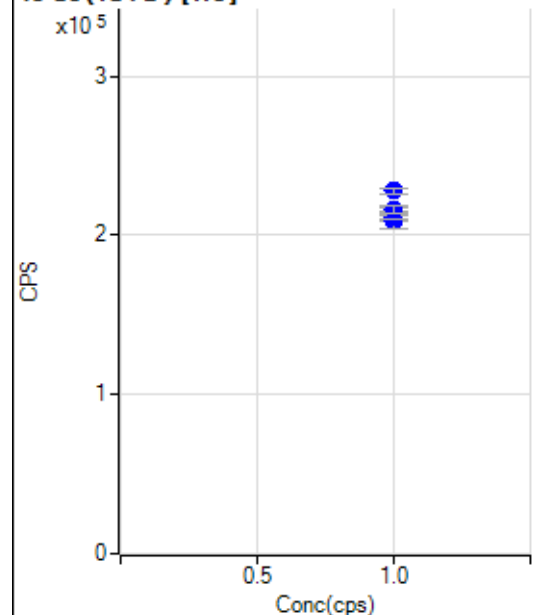
Min Conc: 0

**6 Li (ISTD) [No Gas]**

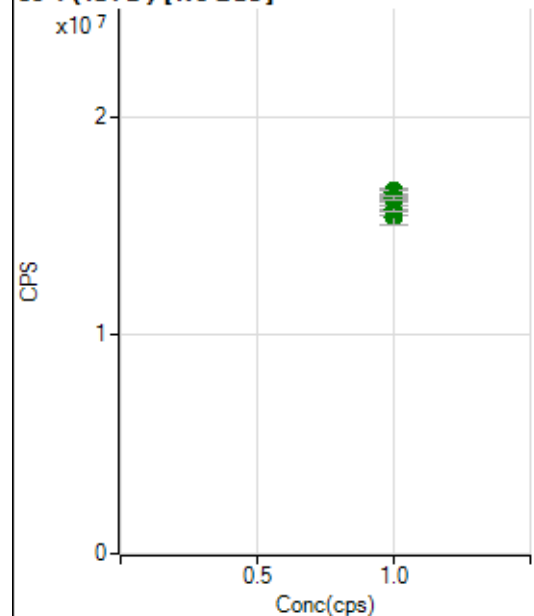
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3610097.08 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3646036.80 |       | A        | 2.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3607979.14 |       | A        | 1.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3877471.70 |       | A        | 4.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3768786.43 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3675570.45 |       | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3757570.47 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3660191.59 |       | A        | 4.0 |

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

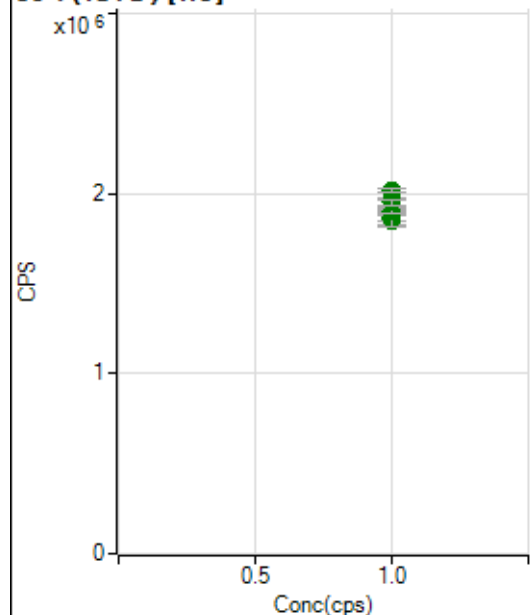
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5988611.16 |       | A        | 2.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5893956.44 |       | A        | 3.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6097164.91 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6215107.96 |       | A        | 2.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6390438.93 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6107878.24 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6236777.55 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6303727.75 |       | A        | 3.9 |

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

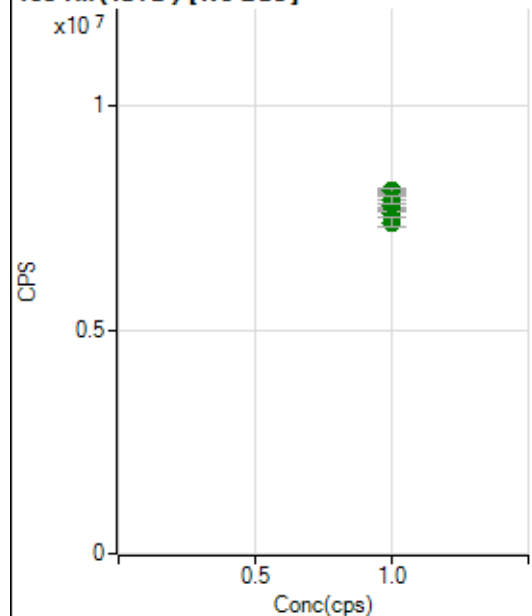
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 214771.35 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 211268.80 |       | P        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 209633.87 |       | P        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 208421.00 |       | P        | 4.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 215862.31 |       | P        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 211573.69 |       | P        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 216025.34 |       | P        | 2.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 227940.08 |       | P        | 1.3 |

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

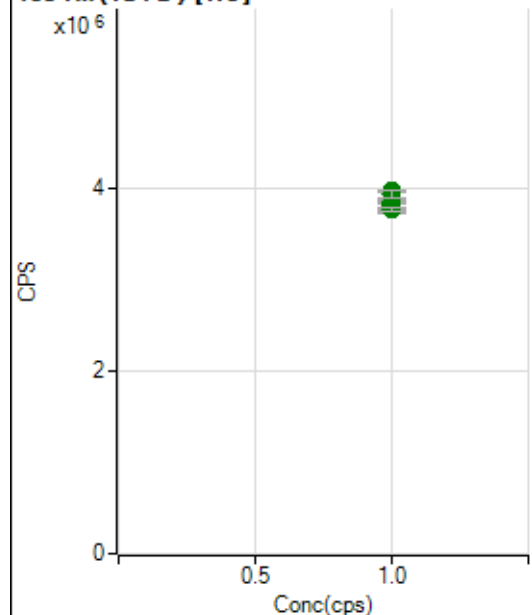
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 15633809.77 |       | A        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 15373228.66 |       | A        | 3.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 15803191.99 |       | A        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 16438304.61 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 16611930.17 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 16204921.43 |       | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 16557123.36 |       | A        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 16296164.20 |       | A        | 0.6 |

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

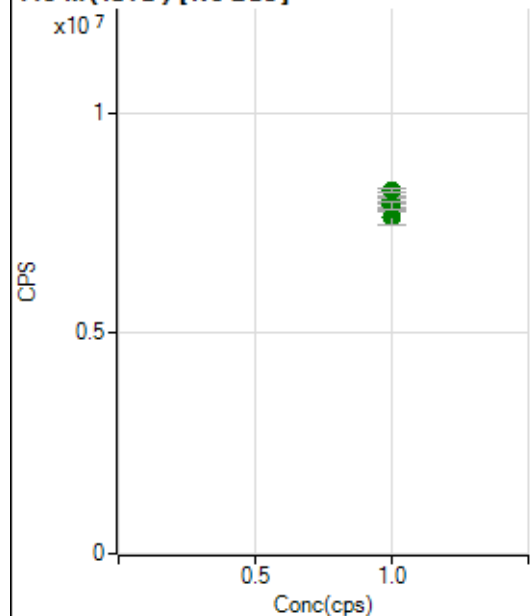
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1854260.16 |       | A        | 2.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1874849.36 |       | A        | 2.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1864219.57 |       | A        | 3.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1862079.78 |       | A        | 5.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1972123.65 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1906523.70 |       | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1953590.70 |       | A        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2016558.53 |       | A        | 1.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7639781.33 |       | A        | 3.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7617239.93 |       | A        | 2.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7785447.74 |       | A        | 3.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8113390.98 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8114252.53 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7826143.32 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7903563.37 |       | A        | 2.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7416837.49 |       | A        | 3.0 |

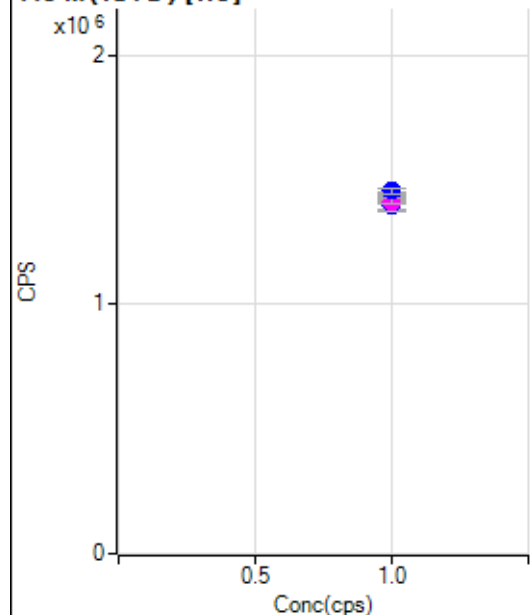
**103 Rh (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3816049.04 |       | A        | 2.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3896567.79 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3855535.39 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3804981.44 |       | A        | 3.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3973760.95 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3840646.33 |       | A        | 3.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3942419.31 |       | A        | 2.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3770395.88 |       | A        | 1.2 |

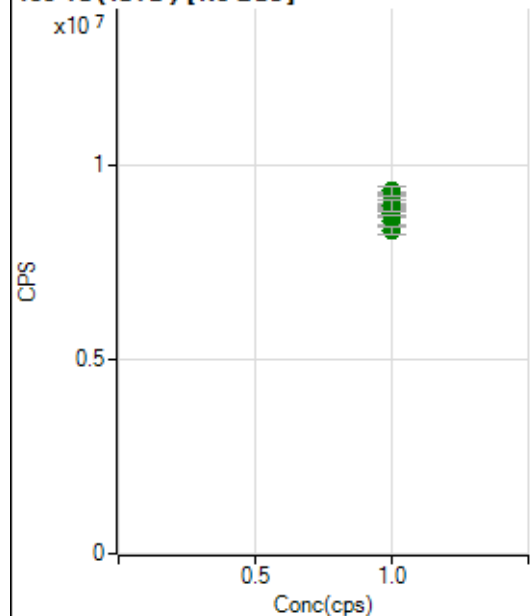
**115 In (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7895670.47 |       | A        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7619195.41 |       | A        | 3.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7828312.59 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8002648.02 |       | A        | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8053804.37 |       | A        | 1.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7959612.70 |       | A        | 2.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8236961.21 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7894555.13 |       | A        | 2.5 |

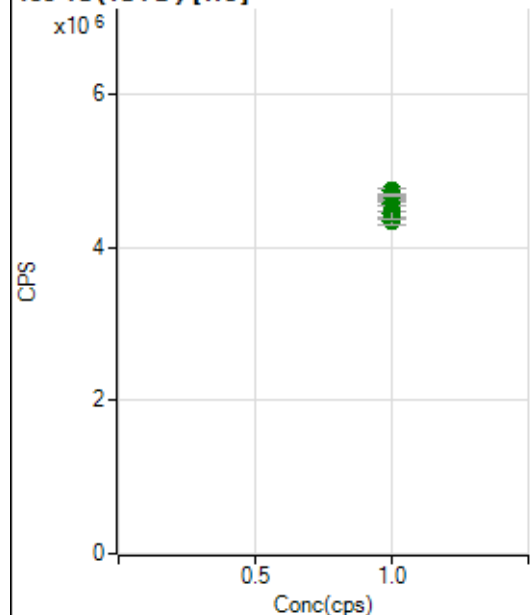


**115 In (ISTD) [He]**

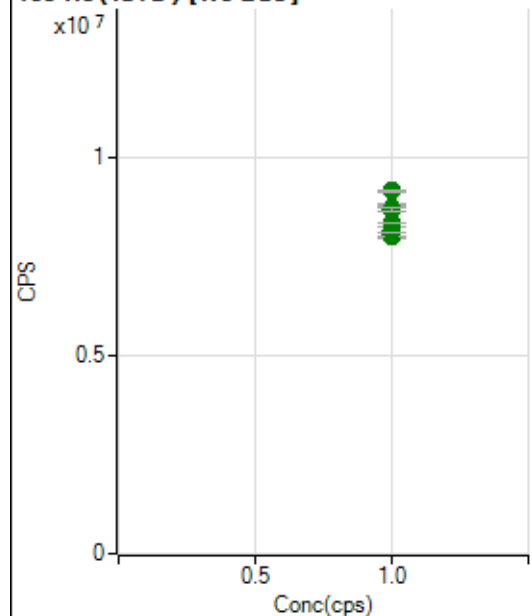
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1418394.77 |       | P        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1426867.47 |       | P        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1398893.91 |       | P        | 2.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1406538.83 |       | P        | 4.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1447496.38 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1411344.62 |       | P        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1413684.73 |       | M        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1454619.80 |       | P        | 1.3 |

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

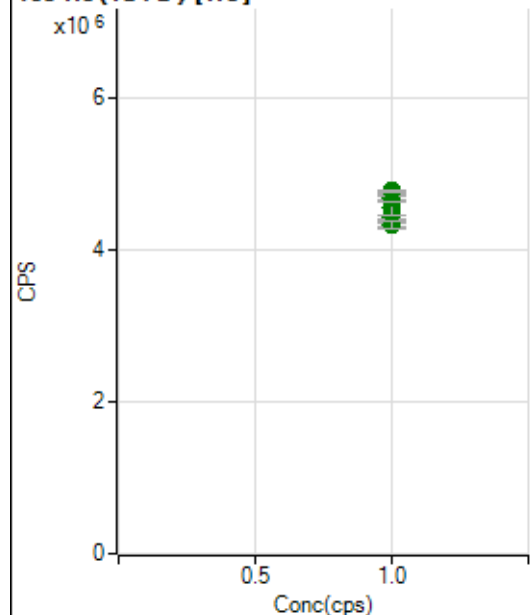
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8558197.93 |       | A        | 2.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8303787.31 |       | A        | 2.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8750577.30 |       | A        | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8933322.44 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9257827.01 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9113033.27 |       | A        | 3.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9321762.22 |       | A        | 2.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8941312.71 |       | A        | 3.0 |

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

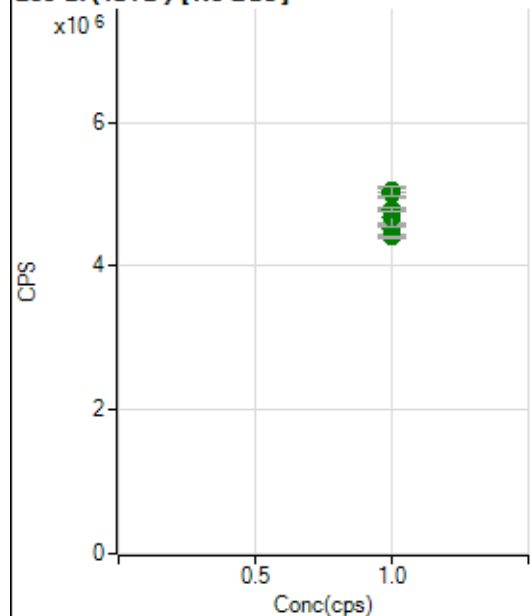
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4446560.42 |       | A        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4388688.17 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4341539.90 |       | A        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4462035.21 |       | A        | 4.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4565121.29 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4630153.12 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4743999.83 |       | A        | 1.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4696766.42 |       | A        | 0.4 |

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

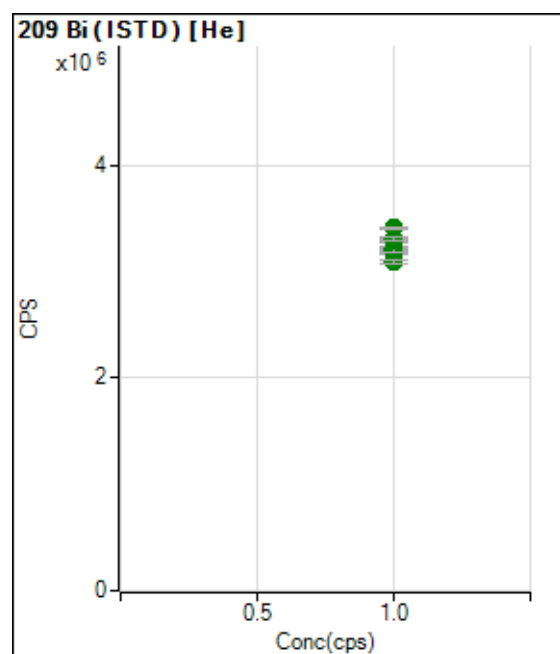
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7985136.03 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8054213.20 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8150428.31 |       | A        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8330516.68 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8701274.50 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8724022.94 |       | A        | 2.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9140531.02 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8665882.66 |       | A        | 1.0 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4419049.10 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4322984.45 |       | A        | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4330625.49 |       | A        | 2.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4539434.76 |       | A        | 4.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4690212.33 |       | A        | 1.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4672701.28 |       | A        | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4740239.65 |       | A        | 2.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4766900.35 |       | A        | 0.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4573093.58 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4511195.77 |       | A        | 3.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4677898.26 |       | A        | 5.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4789393.75 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5001074.93 |       | A        | 1.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5030724.16 |       | A        | 2.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5047284.89 |       | A        | 2.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4402690.63 |       | A        | 0.9 |



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3207831.20 |       | A        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3181917.28 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3199388.14 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3226642.45 |       | A        | 2.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3410497.06 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3295238.01 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3313707.63 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3088623.32 |       | A        | 1.0 |

# US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP8032122 MS.b

Acq. Date-Time 2022-03-21 12:50:08

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    |              | 9227  | 92272.46  |                            |             | 1.029  | 5.000           |
| 24   |              | 76300 | 763002.58 |                            |             | 2.757  | 5.000           |
| 25   |              | 10138 | 101375.10 |                            |             | 1.088  | 5.000           |
| 26   |              | 11769 | 117685.48 |                            |             | 0.425  | 5.000           |
| 59   |              | 19299 | 192992.64 |                            |             | 0.819  | 5.000           |
| 113  |              | 8333  | 83330.81  |                            |             | 0.751  | 5.000           |
| 115  |              | 26326 | 263261.71 |                            |             | 1.669  | 5.000           |
| 206  |              | 8630  | 86304.62  |                            |             | 1.014  | 5.000           |
| 207  |              | 7195  | 71953.43  |                            |             | 1.412  | 5.000           |
| 208  |              | 17860 | 178598.15 |                            |             | 1.282  | 5.000           |
| 220  |              | 1     | 7.70      |                            |             | 16.933 |                 |

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

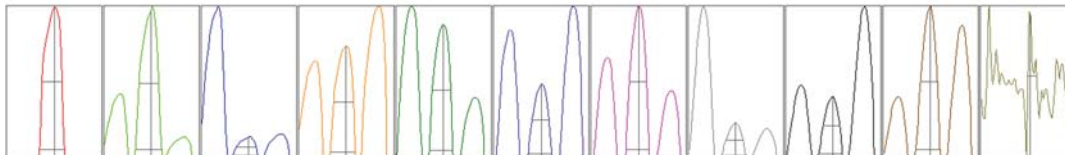
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 9209        | 9176        | 9110        | 9289        | 9352        |
| 24   | 78170       | 73425       | 75978       | 78537       | 75391       |
| 25   | 10123       | 10039       | 10024       | 10266       | 10234       |
| 26   | 11772       | 11766       | 11687       | 11802       | 11815       |
| 59   | 19031       | 19291       | 19378       | 19428       | 19369       |
| 113  | 8303        | 8317        | 8255        | 8411        | 8380        |
| 115  | 25651       | 26191       | 26364       | 26705       | 26719       |
| 206  | 8543        | 8579        | 8582        | 8710        | 8738        |
| 207  | 7075        | 7132        | 7178        | 7260        | 7331        |
| 208  | 17668       | 17592       | 17870       | 18068       | 18100       |

# 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    | 16000.45    | 9.05   | 8.90 - 9.10     |             |
| 24   | 129388.96   | 24.00  | 23.90 - 24.10   |             |
| 25   | 17138.32    | 25.00  | 24.90 - 25.10   |             |
| 26   | 19805.28    | 26.00  | 25.90 - 26.10   |             |
| 59   | 35038.90    | 59.00  | 58.90 - 59.10   |             |
| 113  | 16527.48    | 113.05 | 112.90 - 113.10 |             |
| 115  | 51580.13    | 115.05 | 114.90 - 115.10 |             |
| 206  | 16848.99    | 206.00 | 205.90 - 206.10 |             |
| 207  | 14234.66    | 207.00 | 206.90 - 207.10 |             |
| 208  | 35066.43    | 208.00 | 207.90 - 208.10 |             |
| 220  | 1.45        | 220.10 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.62  | 0.781 | 0.900           |             |
| 24   | 0.62  | 0.826 | 0.900           |             |
| 25   | 0.62  | 0.789 | 0.900           |             |
| 26   | 0.63  | 0.785 | 0.900           |             |
| 59   | 0.58  | 0.740 | 0.900           |             |
| 113  | 0.52  | 0.733 | 0.900           |             |
| 115  | 0.53  | 0.729 | 0.900           |             |
| 206  | 0.53  | 0.762 | 0.900           |             |
| 207  | 0.53  | 0.750 | 0.900           |             |
| 208  | 0.53  | 0.767 | 0.900           |             |
| 220  | 0.28  |       |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.73 L/min Dilution Gas 0.40 L/min

# US EPA Tune Check Report

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

## Lens Parameters

|            |          |               |       |            |        |
|------------|----------|---------------|-------|------------|--------|
| Extract 1  | -6.0 V   | Omega Lens    | 9.6 V | Deflect    | 15.4 V |
| Extract 2  | -160.0 V | Cell Entrance | -30 V | Plate Bias | -50 V  |
| Omega Bias | -85 V    | Cell Exit     | -50 V |            |        |

## Cell Parameters

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

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 124 | Axis Gain   | 0.9991 | QP Bias | -4.0 V |
| Mass Offset | 124 | Axis Offset | 0.01   |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 0.1 mm | Torch V | -0.2 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.9 mV | Analog HV | 2292 V | Pulse HV | 1648 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 4567  | 45670.71  |                            |             | 1.325 |                 |
| 89   |              | 16552 | 165524.54 |                            |             | 1.451 |                 |
| 205  |              | 26315 | 263148.20 |                            |             | 1.769 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 4591        | 4522        | 4604        | 4632        | 4486        |
| 89   | 16651       | 16359       | 16650       | 16846       | 16256       |
| 205  | 26311       | 26098       | 26646       | 26852       | 25666       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |         |                |            |               |            |
|--------------|---------|----------------|------------|---------------|------------|
| Plasma Mode  | ---     | Nebulizer Gas  | 0.75 L/min | Dilution Gas  | 0.40 L/min |
| RF Power     | 1600 W  | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.40 V  | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 10.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |        |            |       |         |       |
|-----------|--------|------------|-------|---------|-------|
| Extract 1 | -6.0 V | Omega Lens | 9.6 V | Deflect | 5.0 V |
|-----------|--------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -160.0 V | Cell Entrance | -50 V | Plate Bias | -60 V |
| Omega Bias | -85 V    | Cell Exit     | -70 V |            |       |

## Cell Parameters

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

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 124 | Axis Gain   | 0.9991 | QP Bias | -13.0 V |
| Mass Offset | 124 | Axis Offset | 0.01   |         |         |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 0.1 mm | Torch V | -0.2 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.9 mV | Analog HV | 2292 V | Pulse HV | 1648 V |
|---------------|--------|-----------|--------|----------|--------|