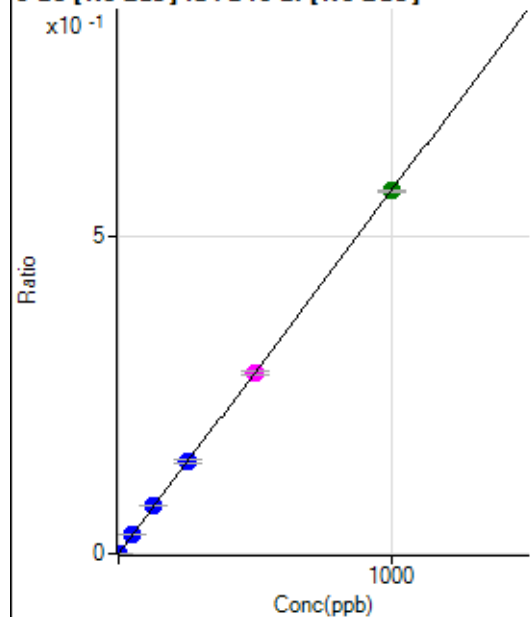


Calibration for 007CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8051922MS.b\  
 Analysis File: P8051922MS.batch.bin  
 DA Date-Time: 2022-05-19 18:19:51  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 002CALB.d          | S00         | 2022-05-19 17:23:17 |
| 2     | 005CALS.d          | S02         | 2022-05-19 17:32:29 |
| 3     | 006CALS.d          | S03         | 2022-05-19 17:35:35 |
| 4     | 007CALS.d          | S04         | 2022-05-19 17:38:38 |
| 5     | 008CALS.d          | S05         | 2022-05-19 17:41:44 |
| 6     | 009CALS.d          | S06         | 2022-05-19 17:44:48 |
| 7     | 010CALS.d          | S07         | 2022-05-19 17:47:53 |
| 8     | 011CALS.d          | S08         | 2022-05-19 17:50:57 |

**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      | 103.31     | 0.0000 | P    | 1.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.094      | 1962.41    | 0.0007 | P    | 1.0 |
| 3 | <input type="checkbox"/> | 50.000   | 54.192     | 96270.11   | 0.0311 | P    | 3.0 |
| 4 | <input type="checkbox"/> | 125.000  | 132.049    | 237116.27  | 0.0757 | P    | 2.5 |
| 5 | <input type="checkbox"/> | 250.000  | 254.095    | 461729.99  | 0.1456 | P    | 2.4 |
| 6 | <input type="checkbox"/> | 500.000  | 497.338    | 931466.81  | 0.2849 | M    | 2.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 999.216    | 1900481.80 | 0.5724 | A    | 0.6 |
| 8 | <input type="checkbox"/> |          |            | 343.94     | 0.0001 | P    | 6.0 |

$$y = 5.7278\text{E-}004 * x + 3.5926\text{E-}005$$

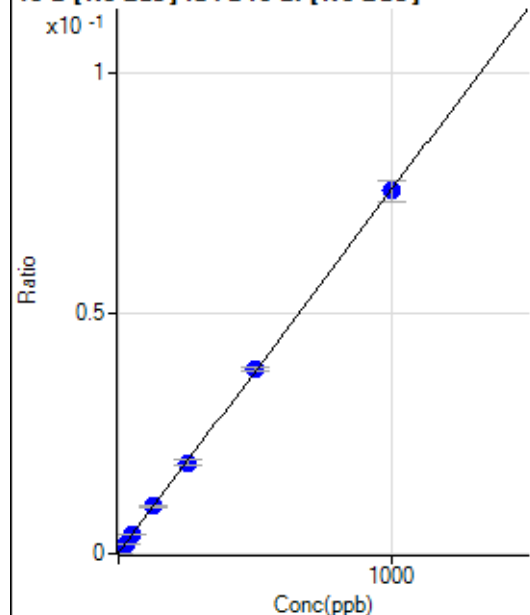
$$R = 1.0000$$

$$DL = 0.003427$$

$$BEC = 0.06272$$

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      | 495.25    | 0.0002 | P    | 4.5 |
| 2 | <input type="checkbox"/> | 25.000   | 23.067     | 5663.34   | 0.0019 | P    | 6.0 |
| 3 | <input type="checkbox"/> | 50.000   | 50.234     | 12269.46  | 0.0040 | P    | 7.5 |
| 4 | <input type="checkbox"/> | 125.000  | 128.138    | 30828.54  | 0.0098 | P    | 6.0 |
| 5 | <input type="checkbox"/> | 250.000  | 248.391    | 59984.87  | 0.0189 | P    | 5.5 |
| 6 | <input type="checkbox"/> | 500.000  | 506.180    | 125474.65 | 0.0384 | P    | 2.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 996.957    | 250269.06 | 0.0754 | P    | 6.1 |
| 8 | <input type="checkbox"/> |          |            | 19945.72  | 0.0065 | P    | 1.6 |

$$y = 7.5451\text{E-}005 * x + 1.7226\text{E-}004$$

$$R = 1.0000$$

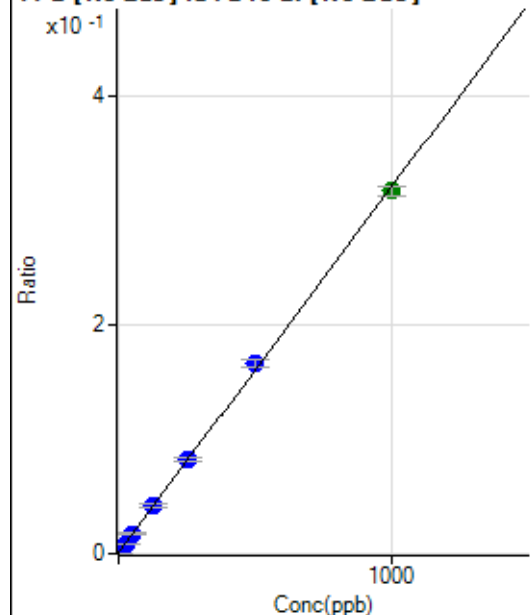
$$DL = 0.3059$$

$$BEC = 2.283$$

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      | 2261.07    | 0.0008 | P   | 2.7 |
| 2 | <input type="checkbox"/> | 25.000   | 23.867     | 24945.84   | 0.0084 | P   | 7.0 |
| 3 | <input type="checkbox"/> | 50.000   | 51.785     | 53742.64   | 0.0174 | P   | 7.1 |
| 4 | <input type="checkbox"/> | 125.000  | 129.427    | 132188.65  | 0.0422 | P   | 7.2 |
| 5 | <input type="checkbox"/> | 250.000  | 255.167    | 261462.22  | 0.0825 | P   | 5.9 |
| 6 | <input type="checkbox"/> | 500.000  | 518.120    | 544903.42  | 0.1666 | P   | 3.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 989.034    | 1053796.87 | 0.3173 | A   | 2.9 |
| 8 | <input type="checkbox"/> |          |            | 88567.84   | 0.0289 | P   | 6.0 |

$$y = 3.2005E-004 * x + 7.8647E-004$$

$$R = 0.9997$$

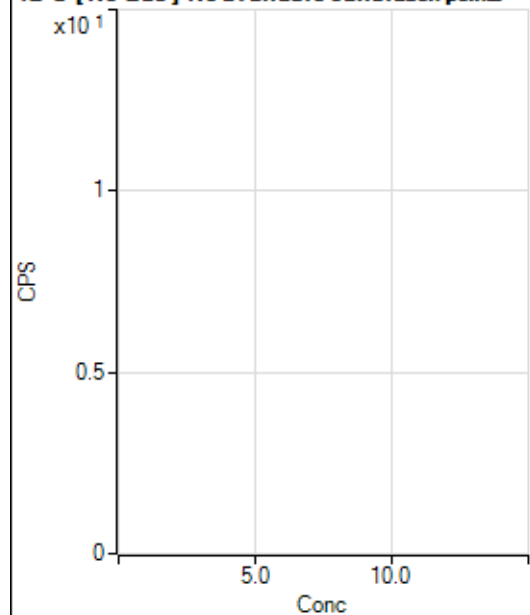
$$DL = 0.1959$$

$$BEC = 2.457$$

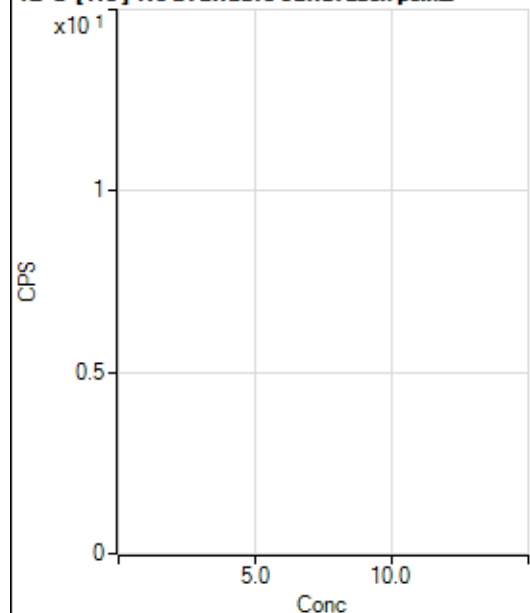
Weight: &lt;None&gt;

Min Conc: 0

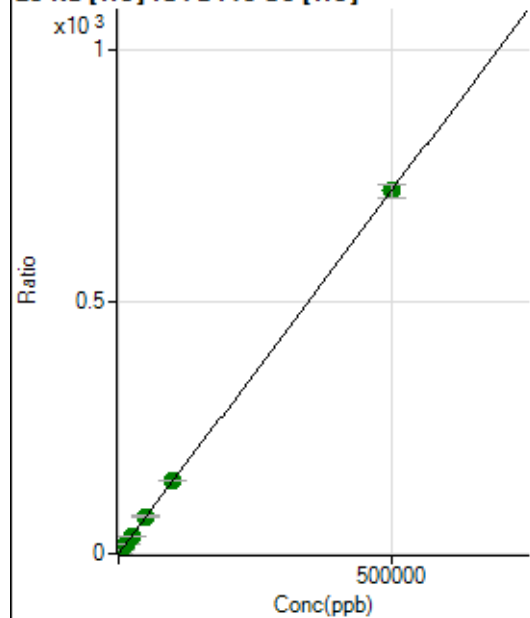
12 C [No Gas] No available calibration points



|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | Det | RSD |
|---|--------------------------|-------|------------|------------|-------|-----|-----|
| 1 | <input type="checkbox"/> |       |            | 3231561.79 |       | A   | 0.4 |
| 2 | <input type="checkbox"/> |       |            | 3236000.37 |       | A   | 1.3 |
| 3 | <input type="checkbox"/> |       |            | 3458264.23 |       | A   | 2.0 |
| 4 | <input type="checkbox"/> |       |            | 3500502.73 |       | A   | 0.5 |
| 5 | <input type="checkbox"/> |       |            | 3528389.79 |       | A   | 1.0 |
| 6 | <input type="checkbox"/> |       |            | 3838069.83 |       | A   | 3.4 |
| 7 | <input type="checkbox"/> |       |            | 4438696.89 |       | A   | 1.4 |
| 8 | <input type="checkbox"/> |       |            | 3655878.34 |       | A   | 2.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 35404.55 |       | P        | 1.8 |
| 2 | <input type="checkbox"/> |       |            | 34934.06 |       | P        | 2.1 |
| 3 | <input type="checkbox"/> |       |            | 38801.97 |       | P        | 2.1 |
| 4 | <input type="checkbox"/> |       |            | 39579.19 |       | P        | 1.2 |
| 5 | <input type="checkbox"/> |       |            | 38275.38 |       | P        | 2.6 |
| 6 | <input type="checkbox"/> |       |            | 44632.47 |       | P        | 2.6 |
| 7 | <input type="checkbox"/> |       |            | 51438.18 |       | P        | 1.3 |
| 8 | <input type="checkbox"/> |       |            | 44122.53 |       | P        | 1.7 |

**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      | 8285.90     | 0.0581   | P        | 1.4 |
| 2 | <input type="checkbox"/> | 500.000   | 484.632    | 108959.18   | 0.7569   | P        | 0.3 |
| 3 | <input type="checkbox"/> | 5000.000  | 5152.960   | 1106124.68  | 7.4877   | A        | 4.0 |
| 4 | <input type="checkbox"/> | 12500.000 | 12550.515  | 2630635.80  | 18.1535  | A        | 0.6 |
| 5 | <input type="checkbox"/> | 25000.000 | 24568.707  | 5131512.87  | 35.4814  | A        | 2.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 51360.146  | 10965130.63 | 74.1093  | A        | 1.2 |
| 7 | <input type="checkbox"/> | 100000.00 | 99921.316  | 21541000.65 | 144.1249 | A        | 0.9 |
| 8 | <input type="checkbox"/> | 500000.00 | 499898.51  | 108320044.0 | 720.8126 | A        | 3.5 |

$$y = 0.0014 * x + 0.0581$$

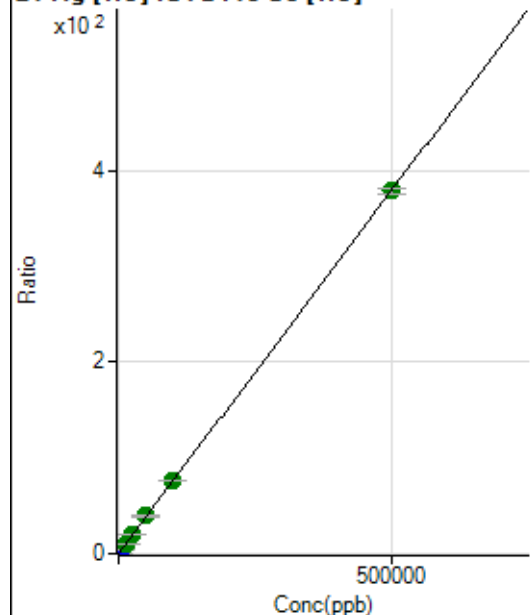
$$R = 1.0000$$

$$DL = 1.697$$

$$BEC = 40.33$$

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      | 461.13      | 0.0032   | P    | 2.5 |
| 2 | <input type="checkbox"/> | 500.000   | 504.423    | 55459.21    | 0.3853   | P    | 2.6 |
| 3 | <input type="checkbox"/> | 5000.000  | 5136.131   | 574985.43   | 3.8932   | P    | 5.1 |
| 4 | <input type="checkbox"/> | 12500.000 | 12896.729  | 1415739.91  | 9.7708   | A    | 3.2 |
| 5 | <input type="checkbox"/> | 25000.000 | 25545.008  | 2798678.34  | 19.3502  | A    | 1.6 |
| 6 | <input type="checkbox"/> | 50000.000 | 51916.459  | 5818155.51  | 39.3231  | A    | 1.6 |
| 7 | <input type="checkbox"/> | 100000.00 | 100666.37  | 11395819.35 | 76.2447  | A    | 1.0 |
| 8 | <input type="checkbox"/> | 500000.00 | 499636.54  | 56869999.19 | 378.4118 | A    | 1.9 |

$$y = 7.5737\text{E-}004 * x + 0.0032$$

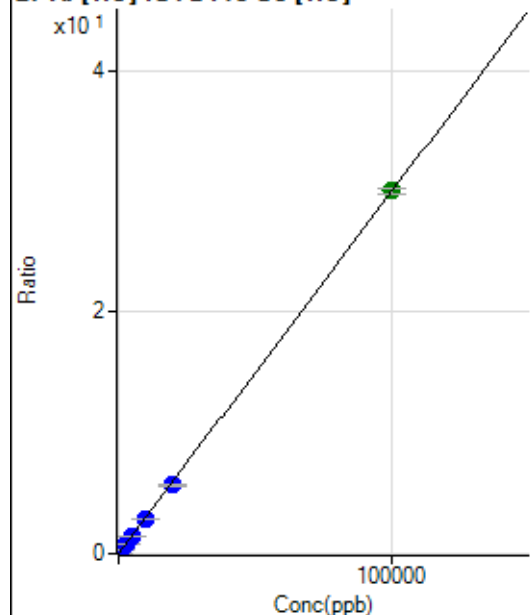
$$R = 1.0000$$

$$DL = 0.3231$$

$$BEC = 4.273$$

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      | 75.82      | 0.0005  | P    | 22.8 |
| 2 | <input type="checkbox"/> | 20.000    | 19.131     | 902.42     | 0.0063  | P    | 0.2  |
| 3 | <input type="checkbox"/> | 1000.000  | 988.217    | 43849.69   | 0.2968  | P    | 4.3  |
| 4 | <input type="checkbox"/> | 2500.000  | 2419.588   | 105213.70  | 0.7260  | P    | 0.3  |
| 5 | <input type="checkbox"/> | 5000.000  | 4722.437   | 204884.80  | 1.4165  | P    | 1.3  |
| 6 | <input type="checkbox"/> | 10000.000 | 9731.131   | 431799.90  | 2.9184  | P    | 1.1  |
| 7 | <input type="checkbox"/> | 20000.000 | 18934.165  | 848571.55  | 5.6779  | P    | 1.0  |
| 8 | <input type="checkbox"/> | 100000.00 | 100256.06  | 4518278.24 | 30.0621 | A    | 1.5  |

$$y = 2.9985\text{E-}004 * x + 5.3247\text{E-}004$$

$$R = 0.9999$$

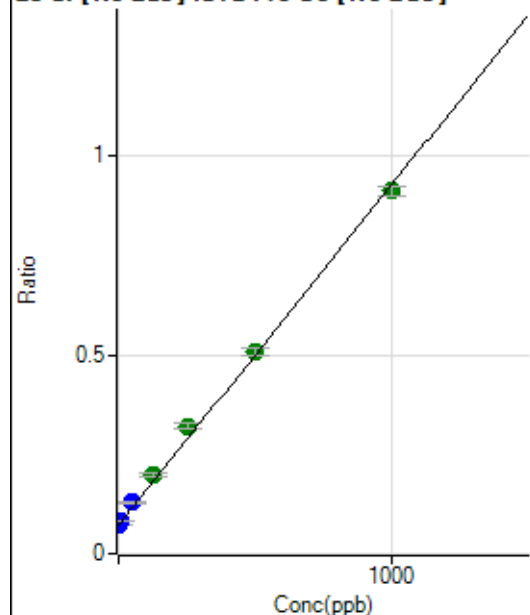
$$DL = 1.217$$

$$BEC = 1.776$$

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      | 345039.49  | 0.0725 | P   | 1.1 |
| 2 | <input type="checkbox"/> | 10.000   | 11.131     | 395158.10  | 0.0820 | P   | 2.0 |
| 3 | <input type="checkbox"/> | 50.000   | 66.190     | 637997.39  | 0.1291 | P   | 2.7 |
| 4 | <input type="checkbox"/> | 125.000  | 146.546    | 971976.18  | 0.1979 | A   | 5.4 |
| 5 | <input type="checkbox"/> | 250.000  | 291.402    | 1581766.84 | 0.3219 | A   | 3.2 |
| 6 | <input type="checkbox"/> | 500.000  | 507.483    | 2473989.94 | 0.5068 | A   | 3.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 982.394    | 4693203.53 | 0.9132 | A   | 2.8 |
| 8 | <input type="checkbox"/> |          |            | 511582.79  | 0.1043 | P   | 5.0 |

$$y = 8.5580\text{E-}004 * x + 0.0725$$

$$R = 0.9989$$

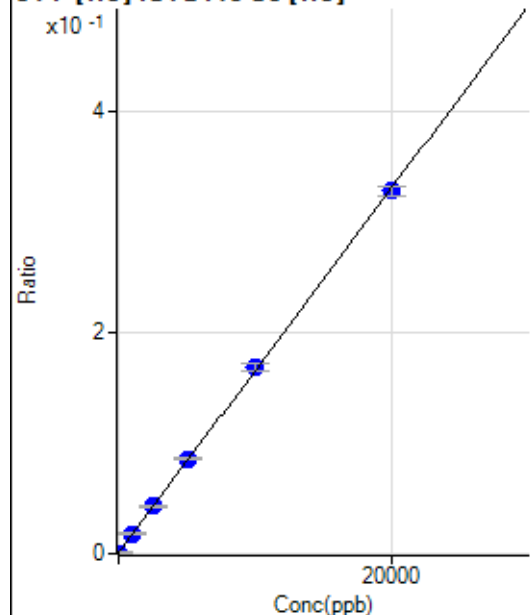
$$DL = 2.668$$

$$BEC = 84.69$$

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     | -6.818     | 88.89    | 0.0006 | P   | 27.1 |
| 2 | <input type="checkbox"/> | 0.000     | 6.818      | 122.22   | 0.0008 | P   | 16.5 |
| 3 | <input type="checkbox"/> | 1000.000  | 1014.156   | 2575.30  | 0.0174 | P   | 9.3  |
| 4 | <input type="checkbox"/> | 2500.000  | 2572.898   | 6245.98  | 0.0431 | P   | 4.8  |
| 5 | <input type="checkbox"/> | 5000.000  | 5162.904   | 12400.08 | 0.0857 | P   | 2.8  |
| 6 | <input type="checkbox"/> | 10000.000 | 10191.148  | 24936.00 | 0.1685 | P   | 5.0  |
| 7 | <input type="checkbox"/> | 20000.000 | 19853.880  | 48967.19 | 0.3276 | P   | 2.5  |
| 8 | <input type="checkbox"/> |           |            | 108.34   | 0.0007 | P   | 20.5 |

$$y = 1.6464\text{E-}005 * x + 7.3615\text{E-}004$$

$$R = 0.9999$$

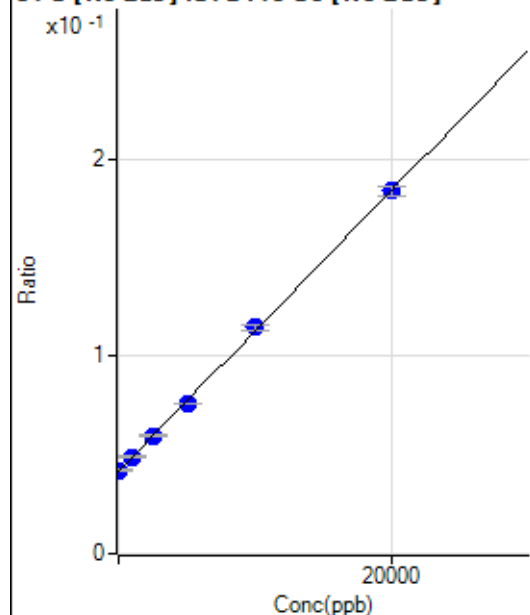
$$DL = 28.18$$

$$BEC = 44.71$$

Weight: &lt;None&gt;

Min Conc: 0

34 S [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     | -13.675    | 198734.47 | 0.0417 | P    | 0.7 |
| 2 | <input type="checkbox"/> | 0.000     | 13.675     | 202089.53 | 0.0419 | P    | 2.4 |
| 3 | <input type="checkbox"/> | 1000.000  | 1020.665   | 242663.24 | 0.0491 | P    | 2.2 |
| 4 | <input type="checkbox"/> | 2500.000  | 2534.986   | 294245.87 | 0.0599 | P    | 0.9 |
| 5 | <input type="checkbox"/> | 5000.000  | 4787.176   | 373188.56 | 0.0759 | P    | 0.6 |
| 6 | <input type="checkbox"/> | 10000.000 | 10209.490  | 559238.00 | 0.1146 | P    | 2.2 |
| 7 | <input type="checkbox"/> | 20000.000 | 19943.055  | 944999.36 | 0.1839 | P    | 2.4 |
| 8 | <input type="checkbox"/> |           |            | 178559.29 | 0.0364 | P    | 8.1 |

$$y = 7.1221\text{E-}006 * x + 0.0418$$

R = 0.9999

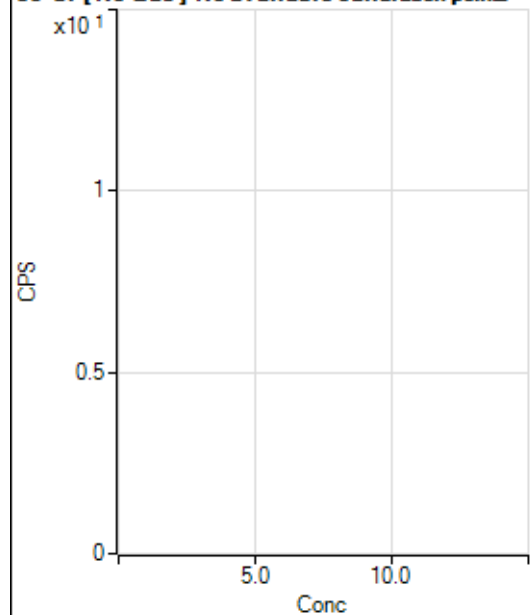
DL = 270.9

BEC = 5875

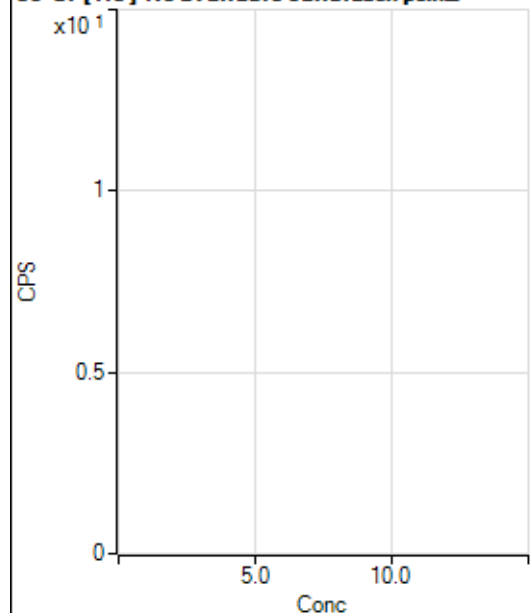
Weight: &lt;None&gt;

Min Conc: 0

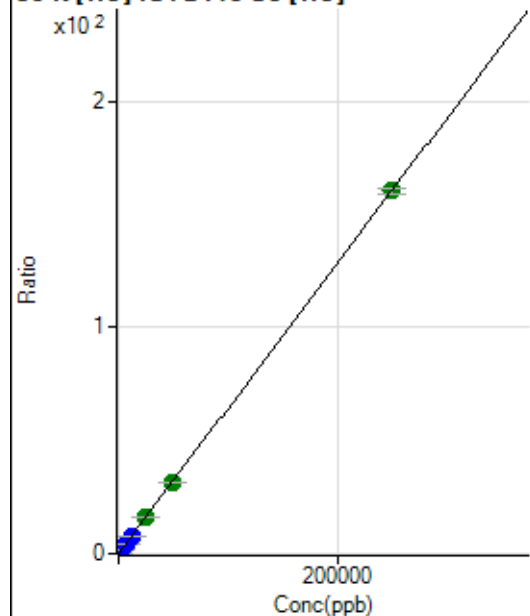
35 Cl [No Gas] No available calibration points



|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS       | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-----------|-------|------|-----|
| 1 | <input type="checkbox"/> |       |            | 317963.83 |       | P    | 0.6 |
| 2 | <input type="checkbox"/> |       |            | 237122.42 |       | P    | 1.2 |
| 3 | <input type="checkbox"/> |       |            | 217531.08 |       | P    | 0.9 |
| 4 | <input type="checkbox"/> |       |            | 202459.46 |       | P    | 1.1 |
| 5 | <input type="checkbox"/> |       |            | 183859.66 |       | P    | 1.2 |
| 6 | <input type="checkbox"/> |       |            | 187396.82 |       | P    | 0.6 |
| 7 | <input type="checkbox"/> |       |            | 180966.69 |       | P    | 0.5 |
| 8 | <input type="checkbox"/> |       |            | 178221.29 |       | P    | 1.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2414.16 |       | P        | 2.3  |
| 2 | <input type="checkbox"/> |       |            | 1894.62 |       | P        | 4.4  |
| 3 | <input type="checkbox"/> |       |            | 1805.72 |       | P        | 1.9  |
| 4 | <input type="checkbox"/> |       |            | 1602.90 |       | P        | 2.9  |
| 5 | <input type="checkbox"/> |       |            | 1508.45 |       | P        | 9.8  |
| 6 | <input type="checkbox"/> |       |            | 1439.00 |       | P        | 2.6  |
| 7 | <input type="checkbox"/> |       |            | 1383.44 |       | P        | 13.0 |
| 8 | <input type="checkbox"/> |       |            | 1439.00 |       | P        | 3.3  |

**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      | 13481.59    | 0.0946   | P        | 1.5 |
| 2 | <input type="checkbox"/> | 500.000   | 493.648    | 59110.40    | 0.4106   | P        | 2.5 |
| 3 | <input type="checkbox"/> | 2500.000  | 2561.665   | 256181.13   | 1.7346   | P        | 5.0 |
| 4 | <input type="checkbox"/> | 6250.000  | 6211.364   | 589961.45   | 4.0711   | P        | 0.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 11940.061  | 1119271.97  | 7.7385   | P        | 0.9 |
| 6 | <input type="checkbox"/> | 25000.000 | 25286.172  | 2409166.85  | 16.2826  | A        | 1.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 48661.946  | 4669938.39  | 31.2475  | A        | 1.4 |
| 8 | <input type="checkbox"/> | 250000.00 | 250267.35  | 24094142.38 | 160.3134 | A        | 1.4 |

$$y = 6.4019E-004 * x + 0.0946$$

$$R = 1.0000$$

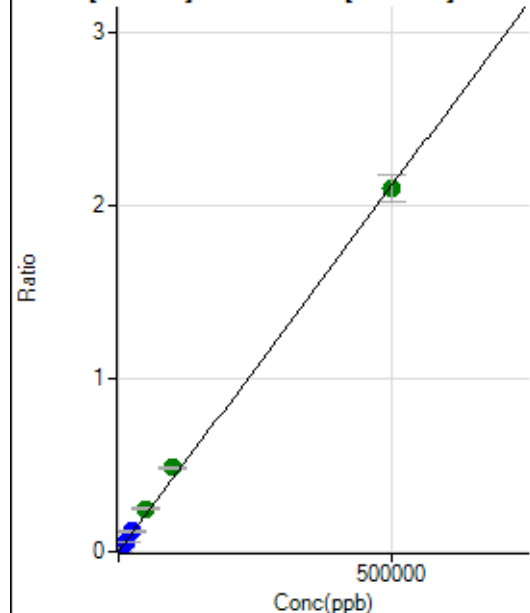
$$DL = 6.514$$

$$BEC = 147.8$$

Weight: &lt;None&gt;

Min Conc: 0



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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 184.15      | 0.0000 | P    | 4.7 |
| 2 | <input type="checkbox"/> | 500.000   | 477.976    | 9932.61     | 0.0021 | P    | 2.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5823.786   | 121974.28   | 0.0247 | P    | 1.7 |
| 4 | <input type="checkbox"/> | 12500.000 | 14332.058  | 298145.72   | 0.0607 | P    | 1.1 |
| 5 | <input type="checkbox"/> | 25000.000 | 27662.202  | 575496.90   | 0.1171 | P    | 0.9 |
| 6 | <input type="checkbox"/> | 50000.000 | 58733.638  | 1213806.95  | 0.2486 | A    | 2.1 |
| 7 | <input type="checkbox"/> | 100000.00 | 114430.93  | 2489019.81  | 0.4843 | A    | 1.6 |
| 8 | <input type="checkbox"/> | 500000.00 | 496053.32  | 10285821.27 | 2.0993 | A    | 7.6 |

$$y = 4.2320\text{E-}006 * x + 3.8677\text{E-}005$$

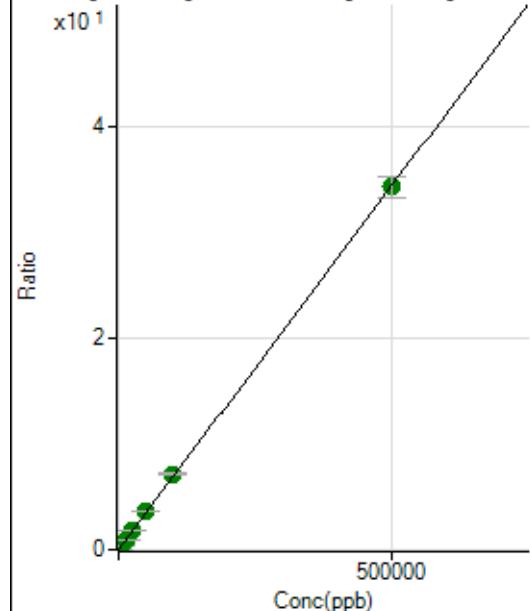
$$R = 0.9995$$

$$DL = 1.299$$

$$BEC = 9.139$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 5918.69     | 0.0012  | P    | 1.3 |
| 2 | <input type="checkbox"/> | 500.000   | 481.777    | 165285.50   | 0.0343  | P    | 1.4 |
| 3 | <input type="checkbox"/> | 5000.000  | 5481.320   | 1864276.15  | 0.3773  | A    | 2.5 |
| 4 | <input type="checkbox"/> | 12500.000 | 13484.294  | 4551101.38  | 0.9264  | A    | 2.1 |
| 5 | <input type="checkbox"/> | 25000.000 | 26089.619  | 8803022.66  | 1.7913  | A    | 1.0 |
| 6 | <input type="checkbox"/> | 50000.000 | 53194.949  | 17826394.23 | 3.6510  | A    | 1.9 |
| 7 | <input type="checkbox"/> | 100000.00 | 103714.82  | 36577132.08 | 7.1173  | A    | 1.8 |
| 8 | <input type="checkbox"/> | 500000.00 | 498853.65  | 167811955.4 | 34.2283 | A    | 5.9 |

$$y = 6.8611\text{E-}005 * x + 0.0012$$

$$R = 1.0000$$

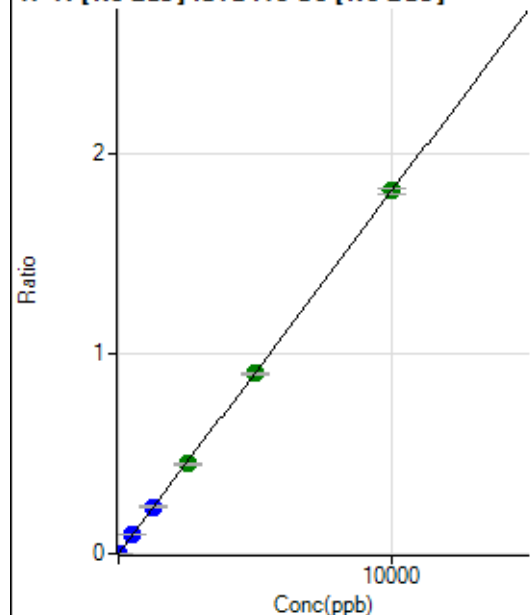
$$DL = 0.6861$$

$$BEC = 18.12$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 136.11     | 0.0000 | P        | 24.1 |
| 2 | <input type="checkbox"/> | 5.000     | 5.224      | 4698.12    | 0.0010 | P        | 8.3  |
| 3 | <input type="checkbox"/> | 500.000   | 528.520    | 473597.95  | 0.0959 | P        | 2.4  |
| 4 | <input type="checkbox"/> | 1250.000  | 1293.849   | 1152505.83 | 0.2346 | P        | 1.2  |
| 5 | <input type="checkbox"/> | 2500.000  | 2474.508   | 2204964.31 | 0.4487 | A        | 0.6  |
| 6 | <input type="checkbox"/> | 5000.000  | 4975.166   | 4404401.66 | 0.9021 | A        | 1.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 10011.883  | 9329476.08 | 1.8153 | A        | 1.3  |
| 8 | <input type="checkbox"/> |           |            | 1839.06    | 0.0004 | P        | 2.2  |

$$y = 1.8131E-004 * x + 2.8556E-005$$

$$R = 1.0000$$

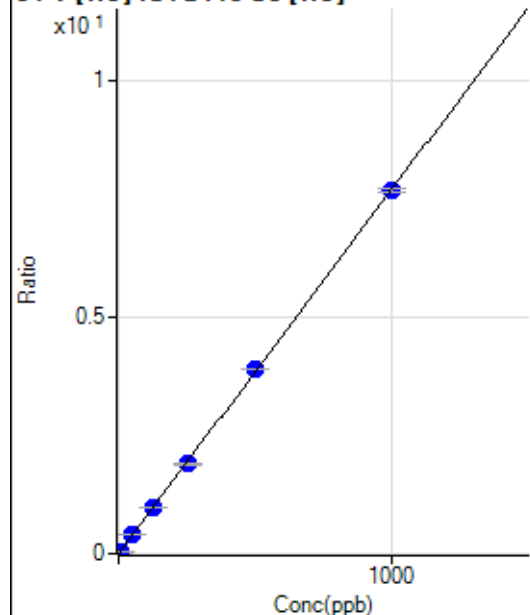
$$DL = 0.1141$$

$$BEC = 0.1575$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 23.33      | 0.0002 | P        | 29.0 |
| 2 | <input type="checkbox"/> | 5.000    | 5.165      | 5745.65    | 0.0399 | P        | 2.1  |
| 3 | <input type="checkbox"/> | 50.000   | 52.081     | 59229.87   | 0.4010 | P        | 4.6  |
| 4 | <input type="checkbox"/> | 125.000  | 127.930    | 142708.35  | 0.9848 | P        | 0.2  |
| 5 | <input type="checkbox"/> | 250.000  | 247.371    | 275383.49  | 1.9040 | P        | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 506.838    | 577183.33  | 3.9010 | P        | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.767    | 1146539.40 | 7.6717 | P        | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 437.79     | 0.0029 | P        | 18.8 |

$$y = 0.0077 * x + 1.6391E-004$$

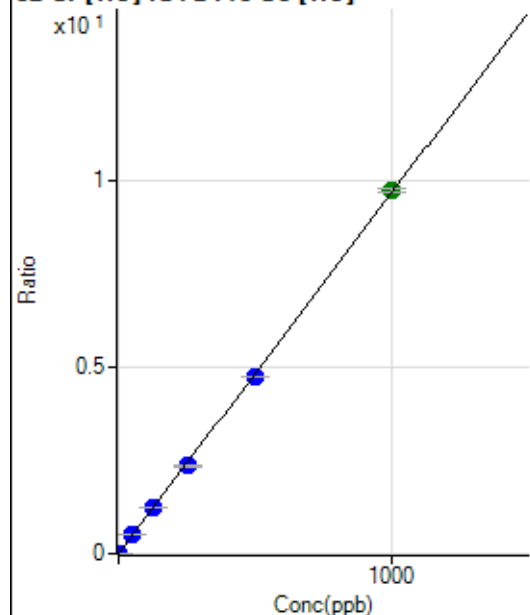
$$R = 1.0000$$

$$DL = 0.01853$$

$$BEC = 0.0213$$

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      | 498.90     | 0.0035 | P        | 3.3 |
| 2 | <input type="checkbox"/> | 2.000    | 2.045      | 3355.98    | 0.0233 | P        | 4.4 |
| 3 | <input type="checkbox"/> | 50.000   | 51.732     | 74535.44   | 0.5046 | P        | 4.2 |
| 4 | <input type="checkbox"/> | 125.000  | 125.663    | 176905.32  | 1.2207 | P        | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 242.621    | 340389.71  | 2.3535 | P        | 1.6 |
| 6 | <input type="checkbox"/> | 500.000  | 490.901    | 704030.70  | 4.7583 | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.225   | 1457102.63 | 9.7497 | A        | 1.2 |
| 8 | <input type="checkbox"/> |          |            | 16341.64   | 0.1087 | P        | 2.0 |

$$y = 0.0097 * x + 0.0035$$

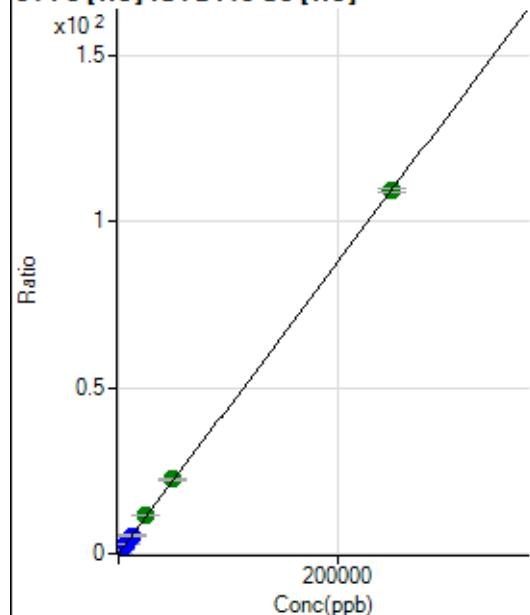
$$R = 0.9999$$

$$DL = 0.03599$$

$$BEC = 0.3615$$

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      | 596.32      | 0.0042   | P        | 5.0 |
| 2 | <input type="checkbox"/> | 50.000    | 51.279     | 3833.91     | 0.0266   | P        | 0.7 |
| 3 | <input type="checkbox"/> | 2500.000  | 2617.304   | 169886.15   | 1.1499   | P        | 3.6 |
| 4 | <input type="checkbox"/> | 6250.000  | 6429.847   | 408501.20   | 2.8188   | P        | 0.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 12545.199  | 794877.11   | 5.4958   | P        | 1.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 26458.673  | 1714254.16  | 11.5863  | A        | 1.2 |
| 7 | <input type="checkbox"/> | 50000.000 | 51350.964  | 3359908.23  | 22.4827  | A        | 2.2 |
| 8 | <input type="checkbox"/> | 250000.00 | 249576.01  | 16421339.72 | 109.2542 | A        | 1.1 |

$$y = 4.3774E-004 * x + 0.0042$$

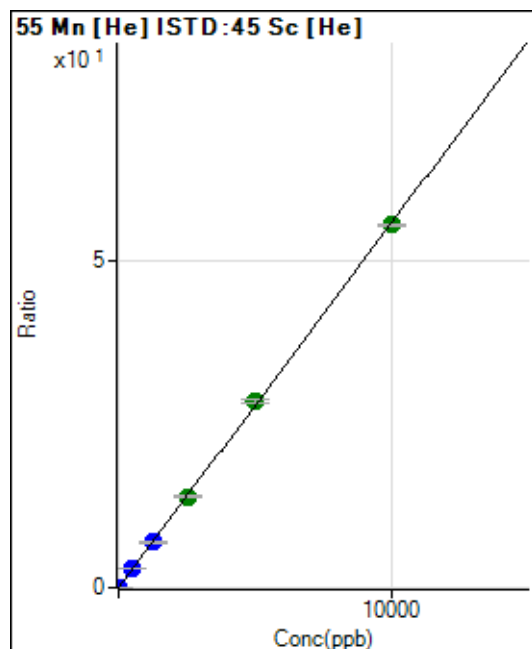
$$R = 1.0000$$

$$DL = 1.435$$

$$BEC = 9.562$$

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      | 117.78     | 0.0008  | P    | 16.2 |
| 2 | <input type="checkbox"/> | 1.000     | 0.917      | 854.48     | 0.0059  | P    | 8.6  |
| 3 | <input type="checkbox"/> | 500.000   | 511.368    | 421140.17  | 2.8505  | P    | 3.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1239.897   | 1001438.66 | 6.9102  | P    | 0.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2493.780   | 2009986.58 | 13.8976 | A    | 1.9  |
| 6 | <input type="checkbox"/> | 5000.000  | 5108.510   | 4212133.44 | 28.4684 | A    | 1.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 9947.994   | 8285369.60 | 55.4368 | A    | 0.6  |
| 8 | <input type="checkbox"/> |           |            | 6128.09    | 0.0407  | P    | 5.3  |

$$y = 0.0056 * x + 8.2623E-004$$

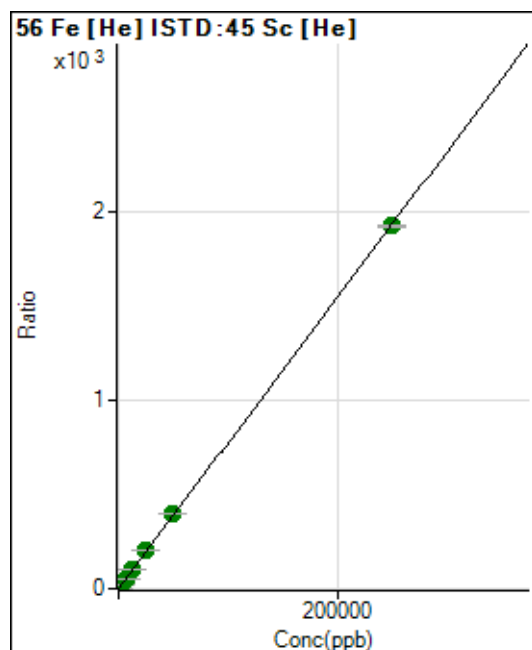
$$R = 0.9999$$

$$DL = 0.07188$$

$$BEC = 0.1483$$

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      | 6062.63     | 0.0425    | P    | 3.6 |
| 2 | <input type="checkbox"/> | 50.000    | 50.220     | 61986.13    | 0.4306    | P    | 1.7 |
| 3 | <input type="checkbox"/> | 2500.000  | 2756.677   | 3152527.62  | 21.3436   | A    | 5.7 |
| 4 | <input type="checkbox"/> | 6250.000  | 6832.449   | 7657245.71  | 52.8373   | A    | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12925.886  | 14450706.92 | 99.9217   | A    | 2.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 26469.790  | 30268640.72 | 204.5762  | A    | 0.5 |
| 7 | <input type="checkbox"/> | 50000.000 | 51690.949  | 59700083.74 | 399.4617  | A    | 1.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 249476.40  | 289763558.3 | 1,927.762 | A    | 0.6 |

$$y = 0.0077 * x + 0.0425$$

$$R = 1.0000$$

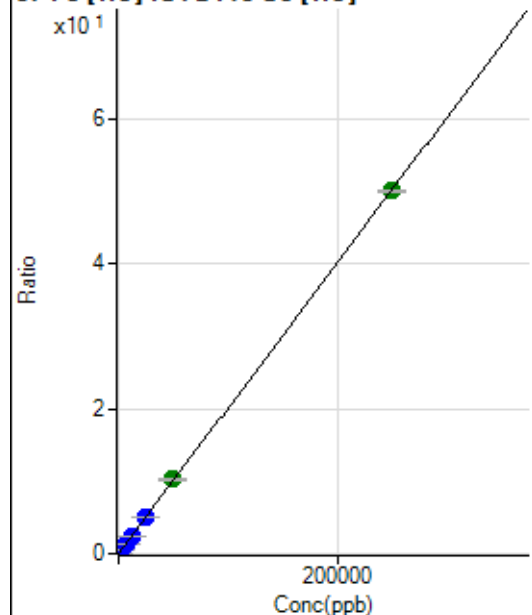
$$DL = 0.5941$$

$$BEC = 5.506$$

Weight: <None>

Min Conc: 0

57 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      | 233.34     | 0.0016  | P        | 12.9 |
| 2 | <input type="checkbox"/> | 50.000    | 49.705     | 1668.65    | 0.0116  | P        | 1.4  |
| 3 | <input type="checkbox"/> | 2500.000  | 2585.233   | 76726.03   | 0.5194  | P        | 4.4  |
| 4 | <input type="checkbox"/> | 6250.000  | 6388.240   | 185659.69  | 1.2810  | P        | 1.5  |
| 5 | <input type="checkbox"/> | 12500.000 | 12104.993  | 350858.42  | 2.4260  | P        | 2.0  |
| 6 | <input type="checkbox"/> | 25000.000 | 25120.856  | 744623.41  | 5.0327  | P        | 0.3  |
| 7 | <input type="checkbox"/> | 50000.000 | 51194.395  | 1532478.88 | 10.2545 | A        | 2.3  |
| 8 | <input type="checkbox"/> | 250000.00 | 249764.47  | 7518802.77 | 50.0230 | A        | 0.6  |

$$y = 2.0027E-004 * x + 0.0016$$

$$R = 1.0000$$

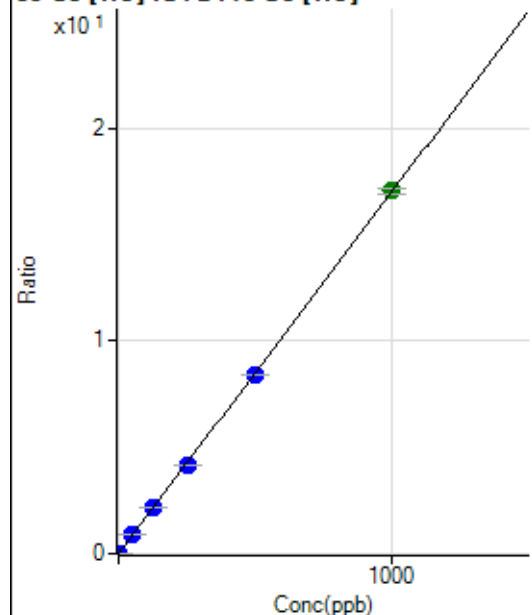
$$DL = 3.164$$

$$BEC = 8.175$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 95.55      | 0.0007  | P        | 11.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.011      | 2570.26    | 0.0179  | P        | 6.6  |
| 3 | <input type="checkbox"/> | 50.000   | 51.897     | 130478.06  | 0.8833  | P        | 4.1  |
| 4 | <input type="checkbox"/> | 125.000  | 126.817    | 312658.66  | 2.1574  | P        | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 244.250    | 600892.46  | 4.1546  | P        | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 494.950    | 1245529.03 | 8.4182  | P        | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.641   | 2550996.99 | 17.0693 | A        | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 7225.23    | 0.0481  | P        | 1.0  |

$$y = 0.0170 * x + 6.7085E-004$$

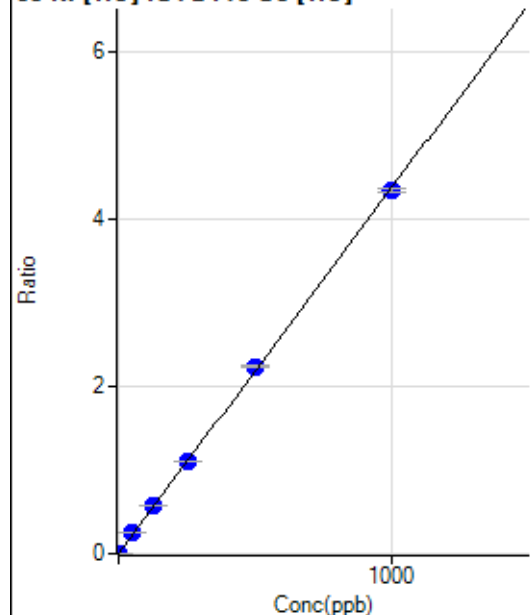
$$R = 1.0000$$

$$DL = 0.01378$$

$$BEC = 0.03945$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00     | 0.0004 | P   | 20.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.071      | 724.47    | 0.0050 | P   | 4.6  |
| 3 | <input type="checkbox"/> | 50.000   | 56.312     | 36446.70  | 0.2466 | P   | 3.0  |
| 4 | <input type="checkbox"/> | 125.000  | 132.333    | 83921.81  | 0.5791 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 252.946    | 160059.67 | 1.1067 | P   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 512.203    | 331507.09 | 2.2406 | P   | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.930    | 648435.18 | 4.3388 | P   | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 6129.15   | 0.0408 | P   | 4.4  |

$$y = 0.0044 * x + 3.5101E-004$$

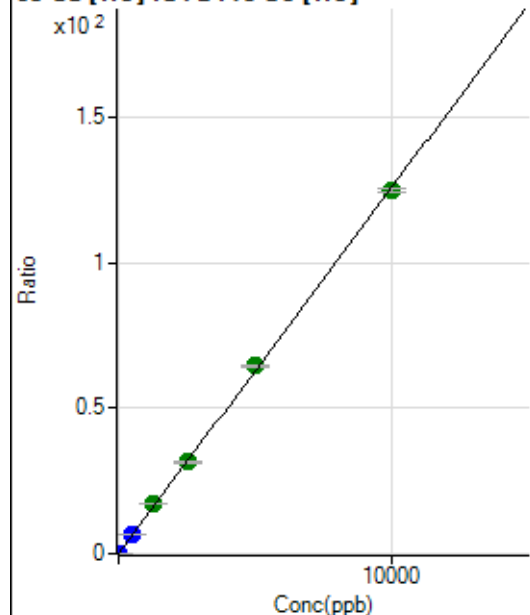
$$R = 0.9999$$

$$DL = 0.04877$$

$$BEC = 0.08025$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 546.68      | 0.0038   | P   | 9.7 |
| 2 | <input type="checkbox"/> | 2.000     | 2.121      | 4399.61     | 0.0306   | P   | 1.5 |
| 3 | <input type="checkbox"/> | 500.000   | 533.500    | 993574.60   | 6.7250   | P   | 3.6 |
| 4 | <input type="checkbox"/> | 1250.000  | 1362.029   | 2487133.52  | 17.1630  | A   | 0.4 |
| 5 | <input type="checkbox"/> | 2500.000  | 2514.521   | 4582251.01  | 31.6823  | A   | 1.5 |
| 6 | <input type="checkbox"/> | 5000.000  | 5131.001   | 9564730.97  | 64.6452  | A   | 0.4 |
| 7 | <input type="checkbox"/> | 10000.000 | 9915.191   | 18669003.47 | 124.9174 | A   | 1.1 |
| 8 | <input type="checkbox"/> |           |            | 6889.60     | 0.0458   | P   | 3.2 |

$$y = 0.0126 * x + 0.0038$$

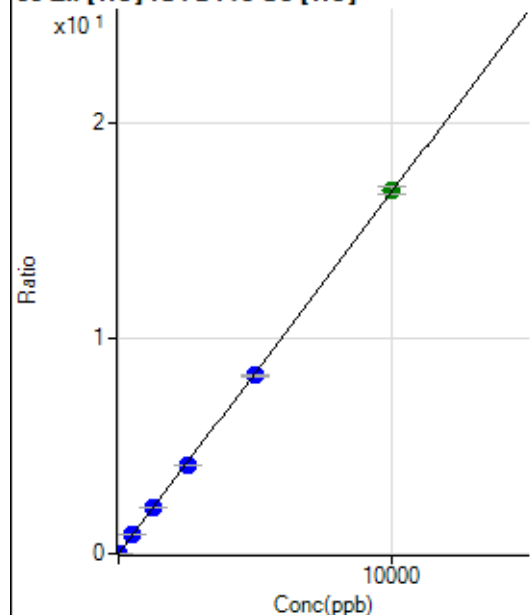
$$R = 0.9998$$

$$DL = 0.08862$$

$$BEC = 0.3046$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 115.56     | 0.0008  | P   | 26.9 |
| 2 | <input type="checkbox"/> | 2.000     | 2.506      | 722.25     | 0.0050  | P   | 2.6  |
| 3 | <input type="checkbox"/> | 500.000   | 540.042    | 134036.84  | 0.9073  | P   | 4.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1291.634   | 314307.92  | 2.1689  | P   | 0.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2440.787   | 592698.52  | 4.0979  | P   | 1.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 4942.527   | 1227663.40 | 8.2973  | P   | 1.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 10036.333  | 2517824.02 | 16.8478 | A   | 2.0  |
| 8 | <input type="checkbox"/> |           |            | 8743.90    | 0.0582  | P   | 1.0  |

$$y = 0.0017 * x + 8.1124E-004$$

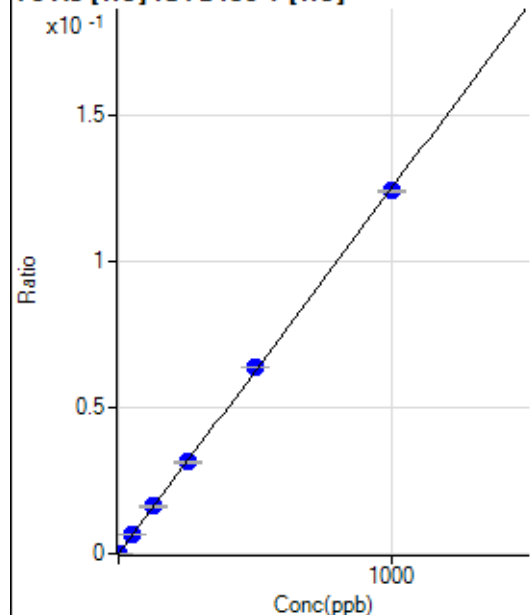
$$R = 0.9999$$

$$DL = 0.3904$$

$$BEC = 0.4833$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 17.00     | 0.0000 | P   | 6.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.958      | 162.35    | 0.0001 | P   | 2.2 |
| 3 | <input type="checkbox"/> | 50.000   | 52.617     | 8186.87   | 0.0066 | P   | 3.9 |
| 4 | <input type="checkbox"/> | 125.000  | 129.356    | 19625.56  | 0.0162 | P   | 0.8 |
| 5 | <input type="checkbox"/> | 250.000  | 250.758    | 37160.62  | 0.0313 | P   | 0.7 |
| 6 | <input type="checkbox"/> | 500.000  | 512.035    | 77772.68  | 0.0639 | P   | 0.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 993.118    | 152838.64 | 0.1239 | P   | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 86.34     | 0.0001 | P   | 8.4 |

$$y = 1.2477E-004 * x + 1.4110E-005$$

$$R = 0.9999$$

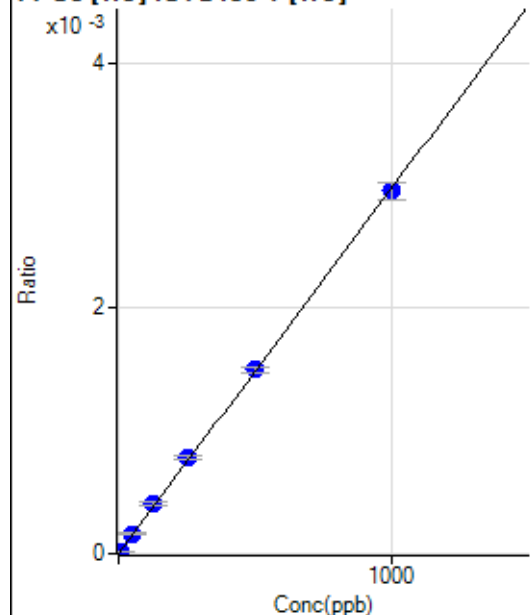
$$DL = 0.021$$

$$BEC = 0.1131$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00    | 0.0000 | P   |      |
| 2 | <input type="checkbox"/> | 5.000    | 4.908      | 17.78   | 0.0000 | P   | 21.1 |
| 3 | <input type="checkbox"/> | 50.000   | 55.011     | 203.34  | 0.0002 | P   | 16.6 |
| 4 | <input type="checkbox"/> | 125.000  | 136.056    | 492.23  | 0.0004 | P   | 8.8  |
| 5 | <input type="checkbox"/> | 250.000  | 264.837    | 936.71  | 0.0008 | P   | 4.1  |
| 6 | <input type="checkbox"/> | 500.000  | 503.026    | 1823.47 | 0.0015 | P   | 3.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.145    | 3648.29 | 0.0030 | P   | 4.8  |
| 8 | <input type="checkbox"/> |          |            | 2.22    | 0.0000 | P   | 173. |

$$y = 2.9782\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9998$$

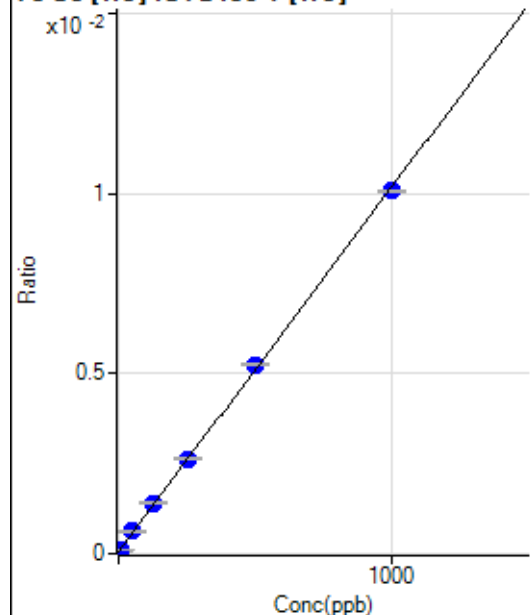
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 69.01    | 0.0001 | P   | 3.5  |
| 2 | <input type="checkbox"/> | 5.000    | 5.723      | 140.02   | 0.0001 | P   | 1.7  |
| 3 | <input type="checkbox"/> | 50.000   | 55.219     | 767.10   | 0.0006 | P   | 6.0  |
| 4 | <input type="checkbox"/> | 125.000  | 133.697    | 1714.62  | 0.0014 | P   | 2.1  |
| 5 | <input type="checkbox"/> | 250.000  | 255.416    | 3138.67  | 0.0026 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 513.988    | 6403.77  | 0.0053 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.300    | 12437.40 | 0.0101 | P   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 83.01    | 0.0001 | P   | 15.1 |

$$y = 1.0126\text{E-}005 * x + 5.7279\text{E-}005$$

$$R = 0.9998$$

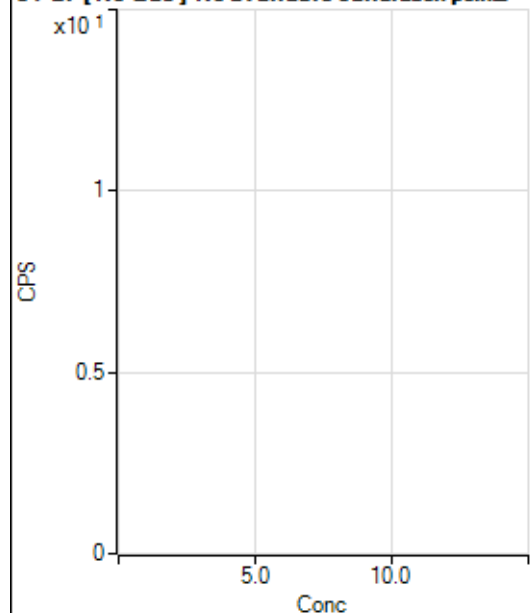
$$DL = 0.5859$$

$$BEC = 5.657$$

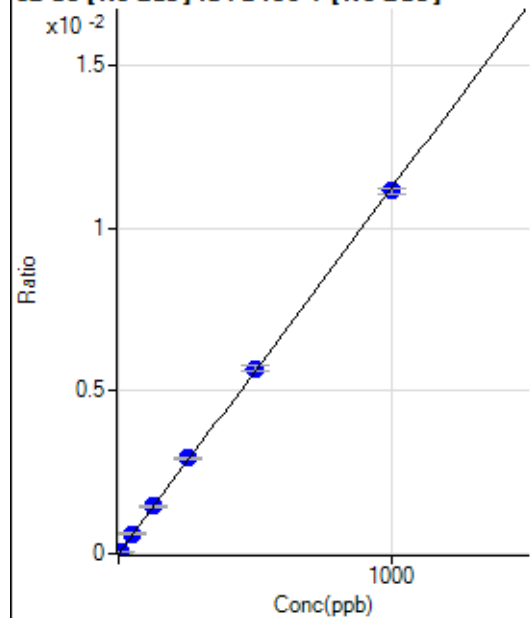
Weight: &lt;None&gt;

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"/> |       |            | 35779.86 |       | P        | 1.0 |
| 2 | <input type="checkbox"/> |       |            | 37913.69 |       | P        | 1.0 |
| 3 | <input type="checkbox"/> |       |            | 36154.33 |       | P        | 3.0 |
| 4 | <input type="checkbox"/> |       |            | 35063.58 |       | P        | 2.6 |
| 5 | <input type="checkbox"/> |       |            | 34220.82 |       | P        | 3.2 |
| 6 | <input type="checkbox"/> |       |            | 32980.17 |       | P        | 6.4 |
| 7 | <input type="checkbox"/> |       |            | 33922.82 |       | P        | 1.7 |
| 8 | <input type="checkbox"/> |       |            | 34495.17 |       | P        | 1.1 |

**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      | 25.00     | 0.0000 | P        | 69.2 |
| 2 | <input type="checkbox"/> | 5.000    | 5.129      | 619.98    | 0.0001 | P        | 10.2 |
| 3 | <input type="checkbox"/> | 50.000   | 54.011     | 6570.32   | 0.0006 | P        | 4.1  |
| 4 | <input type="checkbox"/> | 125.000  | 130.124    | 15765.40  | 0.0015 | P        | 2.3  |
| 5 | <input type="checkbox"/> | 250.000  | 260.540    | 30669.84  | 0.0029 | P        | 1.6  |
| 6 | <input type="checkbox"/> | 500.000  | 507.550    | 61161.94  | 0.0057 | P        | 2.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.748    | 122306.17 | 0.0111 | P        | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 226.25    | 0.0000 | P        | 16.0 |

$$y = 1.1218\text{E-}005 * x + 2.4197\text{E-}006$$

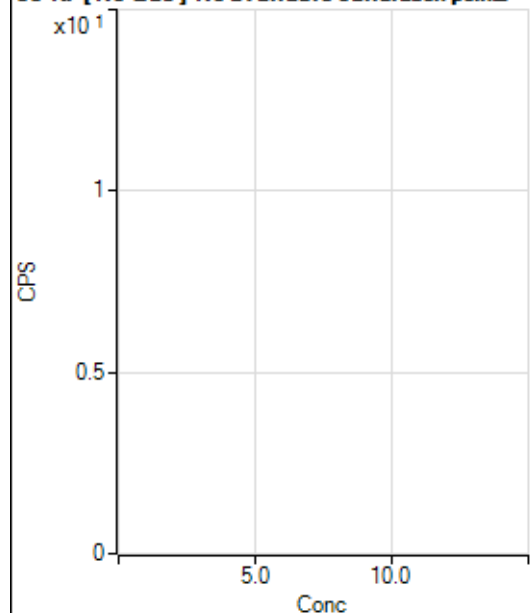
$$R = 0.9999$$

$$DL = 0.4481$$

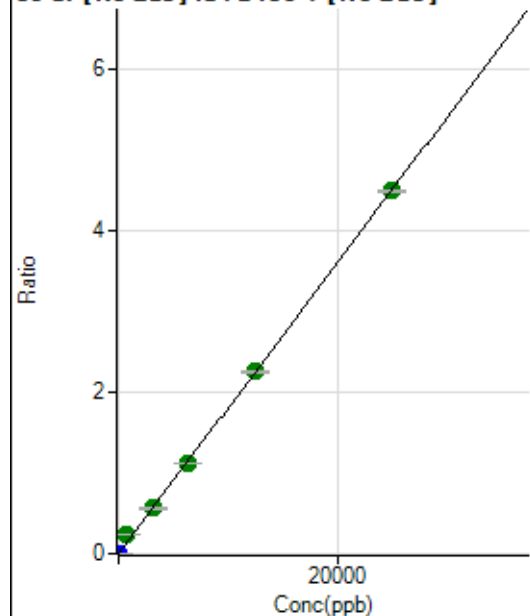
$$BEC = 0.2157$$

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"/> |       |            | 947.42  |       | P        | 3.9 |
| 2 | <input type="checkbox"/> |       |            | 918.25  |       | P        | 8.5 |
| 3 | <input type="checkbox"/> |       |            | 883.25  |       | P        | 4.1 |
| 4 | <input type="checkbox"/> |       |            | 907.84  |       | P        | 5.6 |
| 5 | <input type="checkbox"/> |       |            | 894.09  |       | P        | 1.5 |
| 6 | <input type="checkbox"/> |       |            | 895.34  |       | P        | 2.3 |
| 7 | <input type="checkbox"/> |       |            | 977.83  |       | P        | 3.1 |
| 8 | <input type="checkbox"/> |       |            | 1006.16 |       | P        | 0.7 |

**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      | 1544.58     | 0.0002 | P        | 10.2 |
| 2 | <input type="checkbox"/> | 1.000     | 1.040      | 3497.75     | 0.0003 | P        | 8.2  |
| 3 | <input type="checkbox"/> | 625.000   | 1298.574   | 2525470.98  | 0.2339 | A        | 3.4  |
| 4 | <input type="checkbox"/> | 3125.000  | 3112.025   | 6041329.69  | 0.5602 | A        | 1.1  |
| 5 | <input type="checkbox"/> | 6250.000  | 6207.429   | 11716059.72 | 1.1173 | A        | 0.8  |
| 6 | <input type="checkbox"/> | 12500.000 | 12526.294  | 24213383.70 | 2.2545 | A        | 0.9  |
| 7 | <input type="checkbox"/> | 25000.000 | 24982.278  | 49381335.48 | 4.4962 | A        | 0.2  |
| 8 | <input type="checkbox"/> |           |            | 16412.85    | 0.0015 | P        | 2.5  |

$$y = 1.7997E-004 * x + 1.5083E-004$$

$$R = 0.9996$$

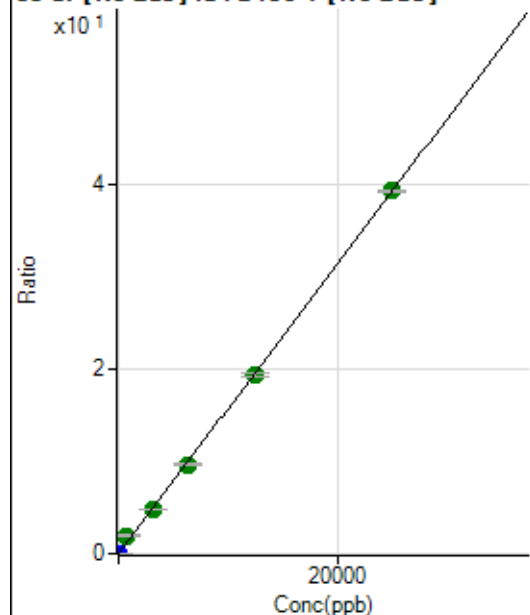
$$DL = 0.2553$$

$$BEC = 0.8381$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 486.13      | 0.0000  | P   | 9.2 |
| 2 | <input type="checkbox"/> | 1.000     | 1.004      | 16746.63    | 0.0016  | P   | 2.1 |
| 3 | <input type="checkbox"/> | 625.000   | 1254.437   | 21217709.68 | 1.9643  | A   | 1.5 |
| 4 | <input type="checkbox"/> | 3125.000  | 3079.140   | 51987961.93 | 4.8216  | A   | 2.3 |
| 5 | <input type="checkbox"/> | 6250.000  | 6177.927   | 101440001.5 | 9.6740  | A   | 1.5 |
| 6 | <input type="checkbox"/> | 12500.000 | 12342.455  | 207541850.4 | 19.3269 | A   | 1.9 |
| 7 | <input type="checkbox"/> | 25000.000 | 25086.787  | 431411559.6 | 39.2830 | A   | 0.4 |
| 8 | <input type="checkbox"/> |           |            | 136286.34   | 0.0128  | P   | 3.7 |

$$y = 0.0016 * x + 4.7388E-005$$

$$R = 0.9996$$

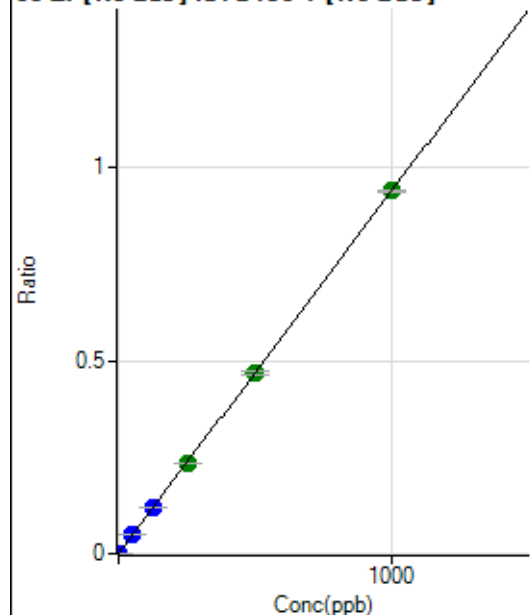
$$DL = 0.008359$$

$$BEC = 0.03026$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 369.46      | 0.0000 | P   | 10.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.004      | 10123.42    | 0.0010 | P   | 4.0  |
| 3 | <input type="checkbox"/> | 50.000   | 51.218     | 519978.51   | 0.0481 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 126.213    | 1278510.34  | 0.1186 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 250.671    | 2468800.79  | 0.2354 | A   | 0.3  |
| 6 | <input type="checkbox"/> | 500.000  | 498.020    | 5022949.90  | 0.4677 | A   | 1.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.610   | 10319967.42 | 0.9397 | A   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 6207.14     | 0.0006 | P   | 6.7  |

$$y = 9.3911E-004 * x + 3.6075E-005$$

$$R = 1.0000$$

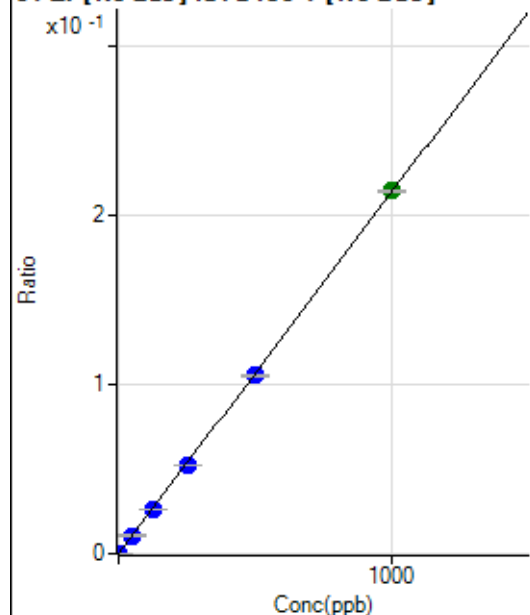
$$DL = 0.01162$$

$$BEC = 0.03841$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 66.67      | 0.0000 | P        | 26.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.905      | 2064.11    | 0.0002 | P        | 8.1  |
| 3 | <input type="checkbox"/> | 50.000   | 50.341     | 116006.71  | 0.0107 | P        | 2.0  |
| 4 | <input type="checkbox"/> | 125.000  | 123.494    | 284048.85  | 0.0263 | P        | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 245.339    | 548617.63  | 0.0523 | P        | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 494.112    | 1131568.26 | 0.1054 | P        | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1004.281   | 2351972.82 | 0.2141 | A        | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 1341.77    | 0.0001 | P        | 0.9  |

$$y = 2.1323\text{E-}004 * x + 6.5294\text{E-}006$$

$$R = 1.0000$$

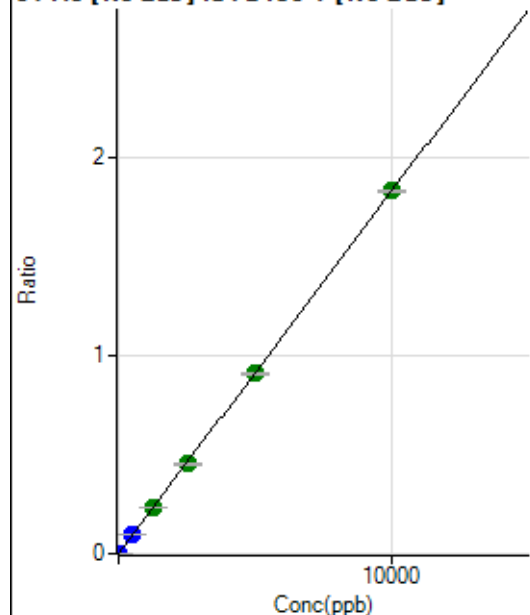
$$DL = 0.02448$$

$$BEC = 0.03062$$

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      | 180.56      | 0.0000 | P        | 11.4 |
| 2 | <input type="checkbox"/> | 5.000     | 5.963      | 11463.35    | 0.0011 | P        | 2.3  |
| 3 | <input type="checkbox"/> | 500.000   | 519.743    | 1026824.58  | 0.0951 | P        | 1.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1262.898   | 2490868.54  | 0.2310 | A        | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2477.234   | 4750433.74  | 0.4530 | A        | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 4979.498   | 9779637.98  | 0.9106 | A        | 0.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 10013.343  | 20108346.80 | 1.8311 | A        | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 8477.80     | 0.0008 | P        | 7.5  |

$$y = 1.8287\text{E-}004 * x + 1.7618\text{E-}005$$

$$R = 1.0000$$

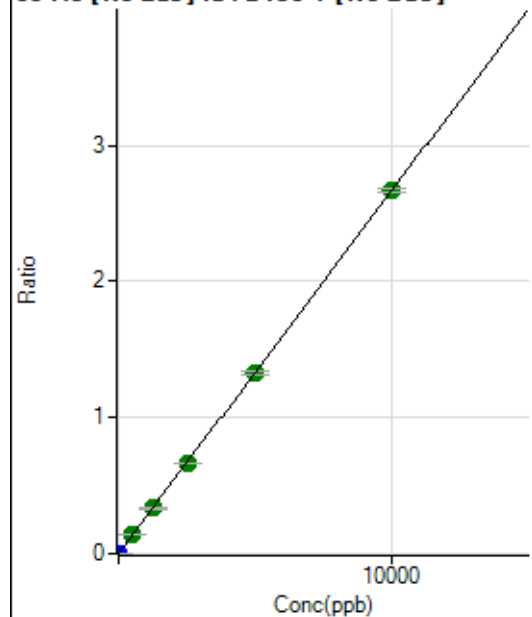
$$DL = 0.0329$$

$$BEC = 0.09635$$

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      | 133.34      | 0.0000 | P        | 14.9 |
| 2 | <input type="checkbox"/> | 5.000     | 5.101      | 14201.99    | 0.0014 | P        | 1.7  |
| 3 | <input type="checkbox"/> | 500.000   | 506.981    | 1459633.54  | 0.1351 | A        | 1.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1251.113   | 3596160.72  | 0.3334 | A        | 1.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2486.235   | 6948299.55  | 0.6626 | A        | 1.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 5001.545   | 14315002.41 | 1.3330 | A        | 1.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 10002.180  | 29273144.75 | 2.6657 | A        | 1.0  |
| 8 | <input type="checkbox"/> |           |            | 9767.57     | 0.0009 | P        | 3.8  |

$$y = 2.6651E-004 * x + 1.2990E-005$$

$$R = 1.0000$$

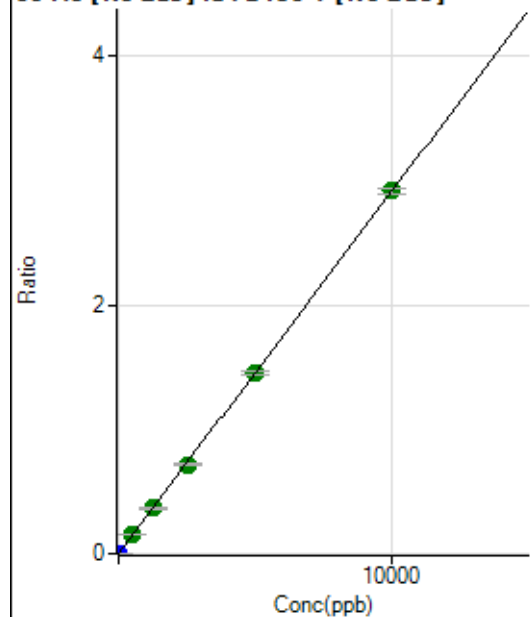
$$DL = 0.02174$$

$$BEC = 0.04874$$

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      | 280.57      | 0.0000 | P        | 22.4 |
| 2 | <input type="checkbox"/> | 5.000     | 5.156      | 15798.26    | 0.0015 | P        | 1.7  |
| 3 | <input type="checkbox"/> | 500.000   | 509.316    | 1600624.46  | 0.1482 | A        | 1.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1250.430   | 3922172.09  | 0.3637 | A        | 1.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2460.463   | 7504020.05  | 0.7156 | A        | 1.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 4977.035   | 15545796.70 | 1.4475 | A        | 2.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 10020.847  | 32003823.63 | 2.9145 | A        | 1.5  |
| 8 | <input type="checkbox"/> |           |            | 26542.75    | 0.0025 | P        | 8.5  |

$$y = 2.9084E-004 * x + 2.7419E-005$$

$$R = 1.0000$$

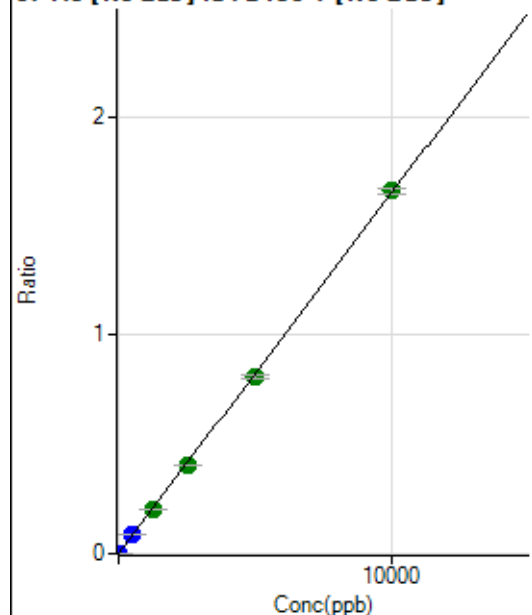
$$DL = 0.06346$$

$$BEC = 0.09428$$

Weight: &lt;None&gt;

Min Conc: 0

97 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      | 91.67       | 0.0000 | P    | 14.5 |
| 2 | <input type="checkbox"/> | 5.000     | 5.227      | 9019.88     | 0.0009 | P    | 4.5  |
| 3 | <input type="checkbox"/> | 500.000   | 511.075    | 911495.23   | 0.0844 | P    | 0.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1242.111   | 2211097.73  | 0.2051 | A    | 1.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2454.358   | 4248682.48  | 0.4052 | A    | 1.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 4904.373   | 8693776.93  | 0.8096 | A    | 2.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 10059.656  | 18234620.72 | 1.6606 | A    | 1.5  |
| 8 | <input type="checkbox"/> |           |            | 6440.57     | 0.0006 | P    | 4.7  |

$$y = 1.6507\text{E-}004 * x + 8.9343\text{E-}006$$

$$R = 0.9999$$

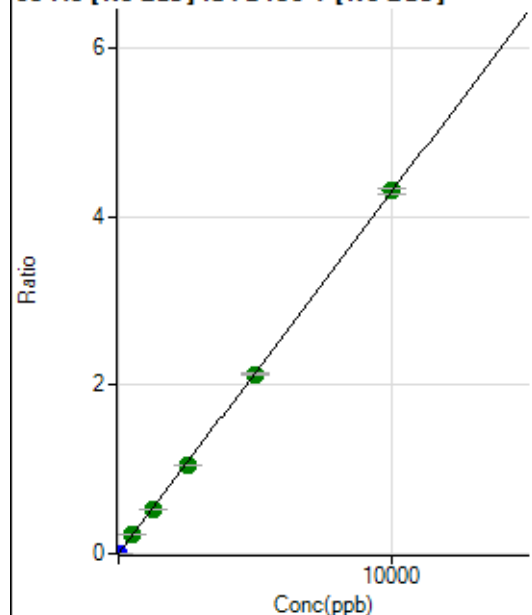
$$DL = 0.02357$$

$$BEC = 0.05412$$

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      | 191.67      | 0.0000 | P    | 13.1 |
| 2 | <input type="checkbox"/> | 5.000     | 5.150      | 23047.45    | 0.0022 | P    | 1.6  |
| 3 | <input type="checkbox"/> | 500.000   | 514.449    | 2383415.57  | 0.2207 | A    | 2.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1242.494   | 5747574.09  | 0.5329 | A    | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2452.242   | 11029446.17 | 1.0518 | A    | 1.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4958.234   | 22839377.77 | 2.1267 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 10033.038  | 47258748.97 | 4.3033 | A    | 1.5  |
| 8 | <input type="checkbox"/> |           |            | 15211.50    | 0.0014 | P    | 3.7  |

$$y = 4.2891\text{E-}004 * x + 1.8705\text{E-}005$$

$$R = 1.0000$$

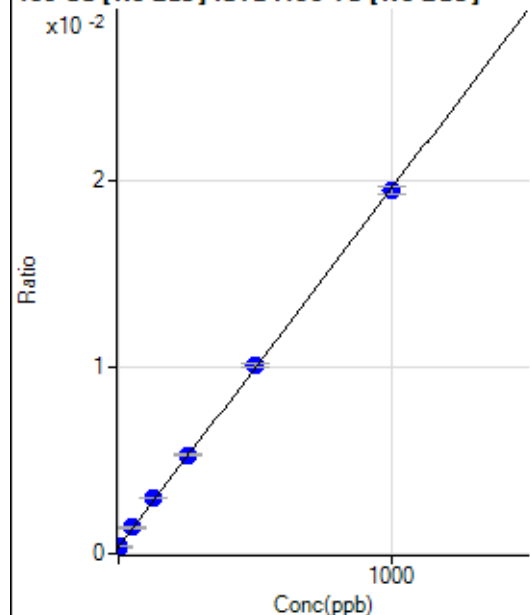
$$DL = 0.01711$$

$$BEC = 0.04361$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2653.11   | 0.0004 | P    | 6.5 |
| 2 | <input type="checkbox"/> | 1.000    | 2.031      | 2975.40   | 0.0004 | P    | 7.8 |
| 3 | <input type="checkbox"/> | 50.000   | 54.875     | 11299.39  | 0.0014 | P    | 4.2 |
| 4 | <input type="checkbox"/> | 125.000  | 136.348    | 23606.83  | 0.0030 | P    | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 257.418    | 42268.28  | 0.0053 | P    | 3.2 |
| 6 | <input type="checkbox"/> | 500.000  | 506.040    | 81538.72  | 0.0101 | P    | 2.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 993.462    | 162755.32 | 0.0194 | P    | 2.2 |
| 8 | <input type="checkbox"/> |          |            | 2622.55   | 0.0003 | P    | 0.3 |

$$y = 1.9172\text{E-}005 * x + 3.5979\text{E-}004$$

$$R = 0.9999$$

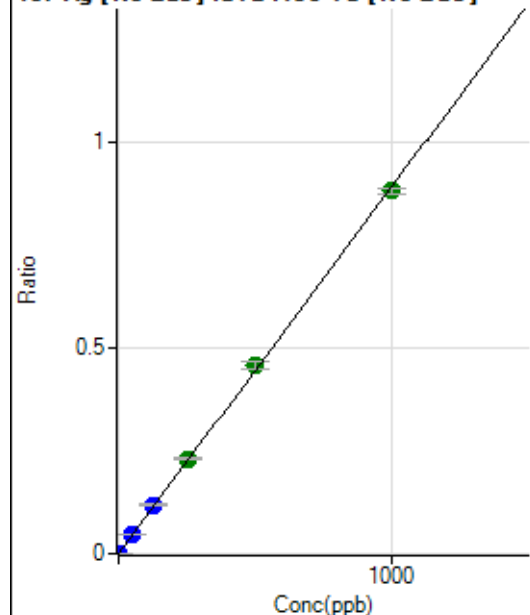
$$DL = 3.678$$

$$BEC = 18.77$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00      | 0.0000 | P    | 34.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.045      | 7001.97    | 0.0009 | P    | 1.4  |
| 3 | <input type="checkbox"/> | 50.000   | 54.111     | 385673.16  | 0.0482 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 133.666    | 944709.06  | 0.1190 | P    | 2.0  |
| 5 | <input type="checkbox"/> | 250.000  | 258.889    | 1839912.67 | 0.2305 | A    | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 513.425    | 3703980.42 | 0.4571 | A    | 4.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.776    | 7390967.79 | 0.8812 | A    | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 3142.11    | 0.0004 | P    | 6.9  |

$$y = 8.9033\text{E-}004 * x + 6.7999\text{E-}006$$

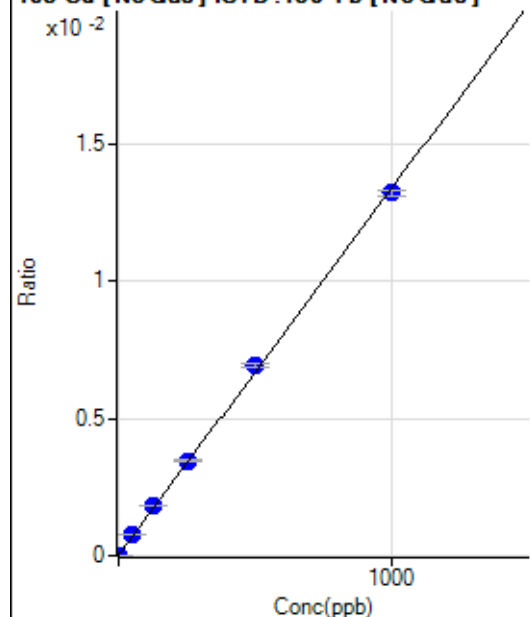
$$R = 0.9998$$

$$DL = 0.007893$$

$$BEC = 0.007638$$

Weight: &lt;None&gt;

Min Conc: 0

**108 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      | 108.34    | 0.0000 | P    | 15.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.319      | 141.67    | 0.0000 | P    | 4.9  |
| 3 | <input type="checkbox"/> | 50.000   | 55.708     | 6076.41   | 0.0008 | P    | 3.6  |
| 4 | <input type="checkbox"/> | 125.000  | 135.492    | 14491.08  | 0.0018 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 257.627    | 27601.38  | 0.0035 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 516.851    | 56099.82  | 0.0069 | P    | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 988.071    | 110873.79 | 0.0132 | P    | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 81.95     | 0.0000 | P    | 35.8 |

$$y = 1.3365E-005 * x + 1.4668E-005$$

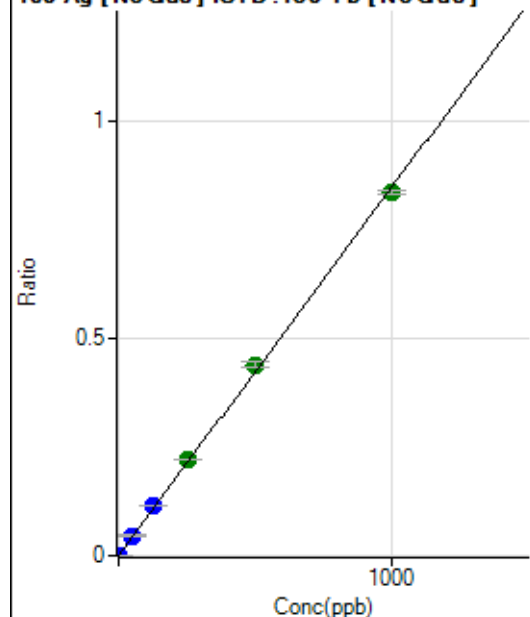
$$R = 0.9997$$

$$DL = 0.5184$$

$$BEC = 1.098$$

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      | 61.11      | 0.0000 | P    | 8.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.078      | 6885.22    | 0.0009 | P    | 1.3 |
| 3 | <input type="checkbox"/> | 50.000   | 54.769     | 371031.71  | 0.0464 | P    | 2.1 |
| 4 | <input type="checkbox"/> | 125.000  | 134.557    | 903981.75  | 0.1139 | P    | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 261.328    | 1765269.25 | 0.2212 | A    | 1.3 |
| 6 | <input type="checkbox"/> | 500.000  | 519.772    | 3564245.65 | 0.4399 | A    | 3.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 985.849    | 6996988.61 | 0.8343 | A    | 0.9 |
| 8 | <input type="checkbox"/> |          |            | 2844.81    | 0.0004 | P    | 5.3 |

$$y = 8.4624E-004 * x + 8.2885E-006$$

$$R = 0.9996$$

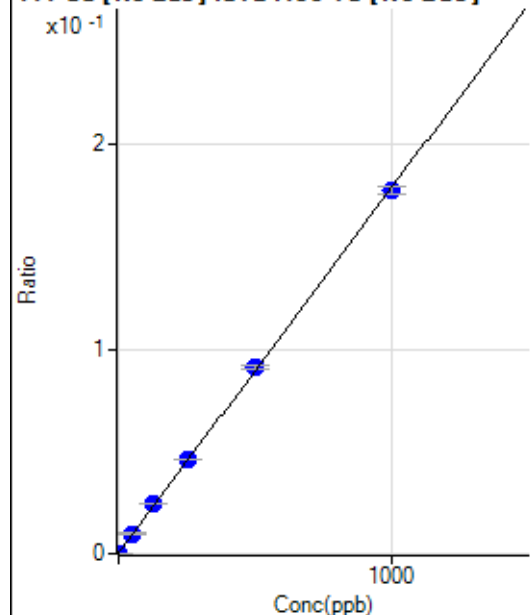
$$DL = 0.002568$$

$$BEC = 0.009794$$

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      | 1878.57    | 0.0003 | P    | 5.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.143      | 3428.15    | 0.0005 | P    | 4.5 |
| 3 | <input type="checkbox"/> | 50.000   | 53.747     | 78920.30   | 0.0099 | P    | 2.3 |
| 4 | <input type="checkbox"/> | 125.000  | 133.516    | 191432.90  | 0.0241 | P    | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 255.991    | 367213.82  | 0.0460 | P    | 0.8 |
| 6 | <input type="checkbox"/> | 500.000  | 511.275    | 742593.41  | 0.0916 | P    | 1.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 991.613    | 1488314.53 | 0.1775 | P    | 2.2 |
| 8 | <input type="checkbox"/> |          |            | 2299.27    | 0.0003 | P    | 1.6 |

$$y = 1.7872\text{E-}004 * x + 2.5473\text{E-}004$$

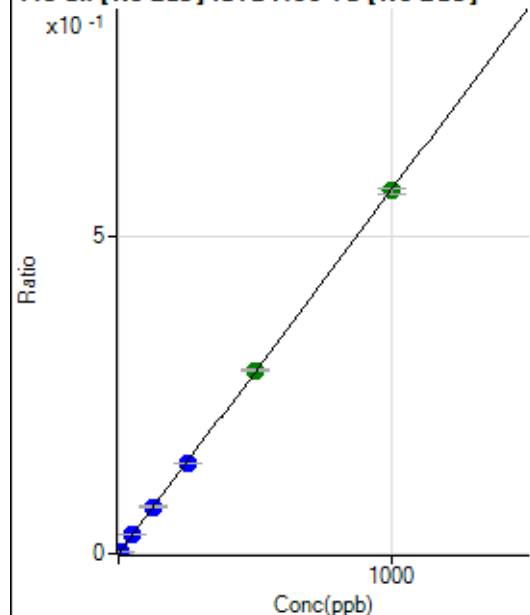
$$R = 0.9999$$

$$DL = 0.2506$$

$$BEC = 1.425$$

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      | 1177.87    | 0.0002 | P    | 6.0 |
| 2 | <input type="checkbox"/> | 5.000    | 5.074      | 22975.37   | 0.0031 | P    | 3.3 |
| 3 | <input type="checkbox"/> | 50.000   | 52.549     | 242978.68  | 0.0304 | P    | 1.6 |
| 4 | <input type="checkbox"/> | 125.000  | 128.793    | 588740.13  | 0.0742 | P    | 1.6 |
| 5 | <input type="checkbox"/> | 250.000  | 249.665    | 1146438.96 | 0.1436 | P    | 0.4 |
| 6 | <input type="checkbox"/> | 500.000  | 503.944    | 2348566.57 | 0.2897 | A    | 1.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 997.510    | 4808918.03 | 0.5734 | A    | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 8002.55    | 0.0010 | P    | 0.7 |

$$y = 5.7464\text{E-}004 * x + 1.5955\text{E-}004$$

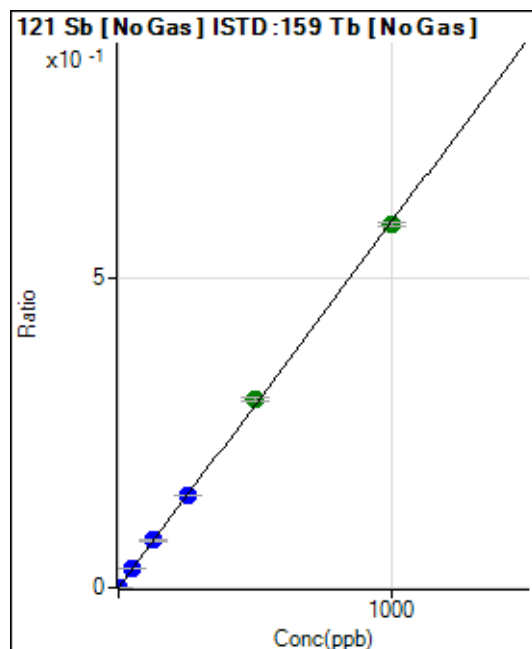
$$R = 1.0000$$

$$DL = 0.05021$$

$$BEC = 0.2776$$

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      | 163.90     | 0.0000 | P    | 11.2 |
| 2 | <input type="checkbox"/> | 2.000    | 2.056      | 9253.41    | 0.0012 | P    | 2.1  |
| 3 | <input type="checkbox"/> | 50.000   | 51.680     | 244851.70  | 0.0306 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 128.994    | 605801.55  | 0.0763 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 251.841    | 1189188.26 | 0.1490 | P    | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 514.168    | 2464912.40 | 0.3041 | A    | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.872    | 4920480.54 | 0.5867 | A    | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 4481.41    | 0.0006 | P    | 9.2  |

$$y = 5.9147\text{E-}004 * x + 2.2208\text{E-}005$$

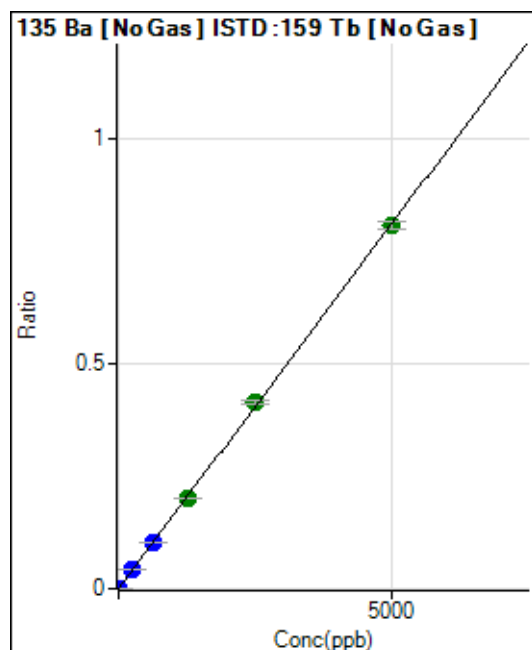
$$R = 0.9998$$

$$DL = 0.01264$$

$$BEC = 0.03755$$

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      | 33.33      | 0.0000 | P    | 109. |
| 2 | <input type="checkbox"/> | 10.000   | 10.260     | 12472.75   | 0.0017 | P    | 4.6  |
| 3 | <input type="checkbox"/> | 250.000  | 252.593    | 328312.73  | 0.0410 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 625.000  | 628.863    | 810522.04  | 0.1021 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 1250.000 | 1239.445   | 1606274.31 | 0.2012 | A    | 0.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2552.413   | 3358637.77 | 0.4144 | A    | 2.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4975.819   | 6775237.78 | 0.8079 | A    | 2.1  |
| 8 | <input type="checkbox"/> |          |            | 3456.10    | 0.0004 | P    | 7.1  |

$$y = 1.6236\text{E-}004 * x + 4.5362\text{E-}006$$

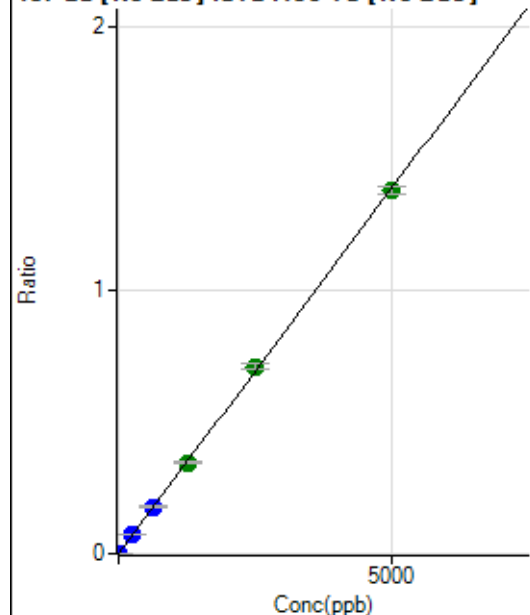
$$R = 0.9999$$

$$DL = 0.09199$$

$$BEC = 0.02794$$

Weight: <None>

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      | 52.78       | 0.0000 | P        | 32.6 |
| 2 | <input type="checkbox"/> | 10.000   | 10.521     | 21815.29    | 0.0029 | P        | 2.3  |
| 3 | <input type="checkbox"/> | 250.000  | 256.423    | 568277.90   | 0.0710 | P        | 1.5  |
| 4 | <input type="checkbox"/> | 625.000  | 644.459    | 1416283.80  | 0.1784 | P        | 1.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1242.092   | 2744740.97  | 0.3439 | A        | 1.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2560.994   | 5746077.04  | 0.7090 | A        | 2.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 4968.725   | 11535928.73 | 1.3756 | A        | 2.1  |
| 8 | <input type="checkbox"/> |          |            | 5898.63     | 0.0007 | P        | 1.6  |

$$y = 2.7684E-004 * x + 7.1454E-006$$

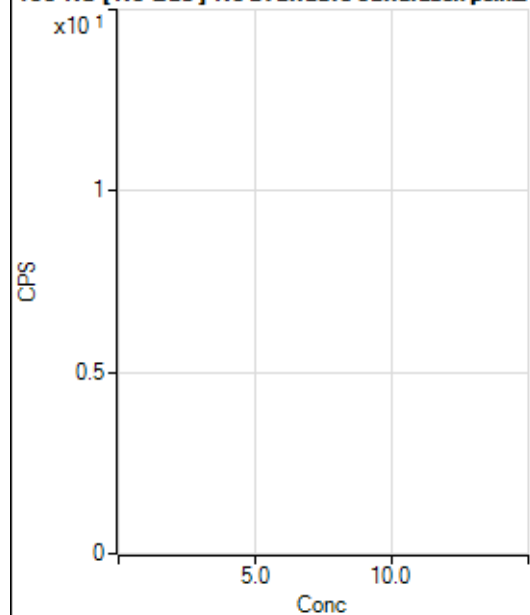
$$R = 0.9999$$

$$DL = 0.02525$$

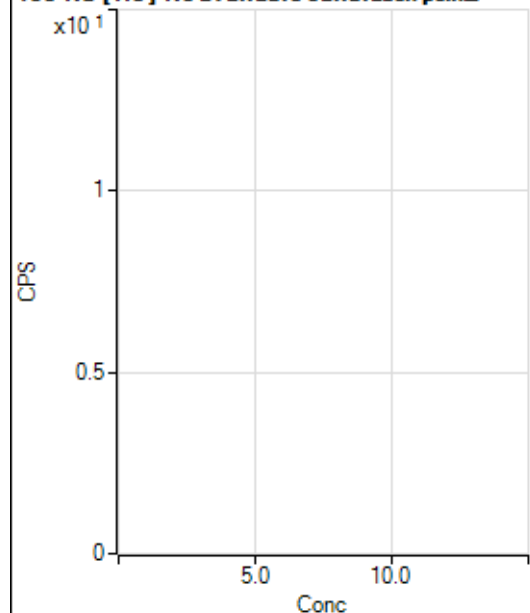
$$BEC = 0.02581$$

Weight: &lt;None&gt;

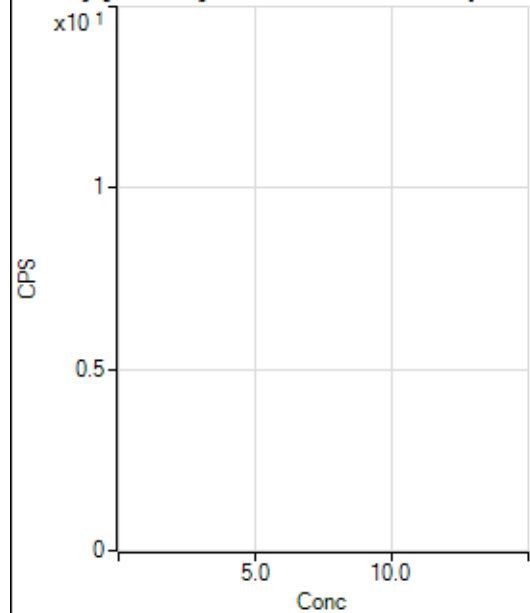
Min Conc: 0

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

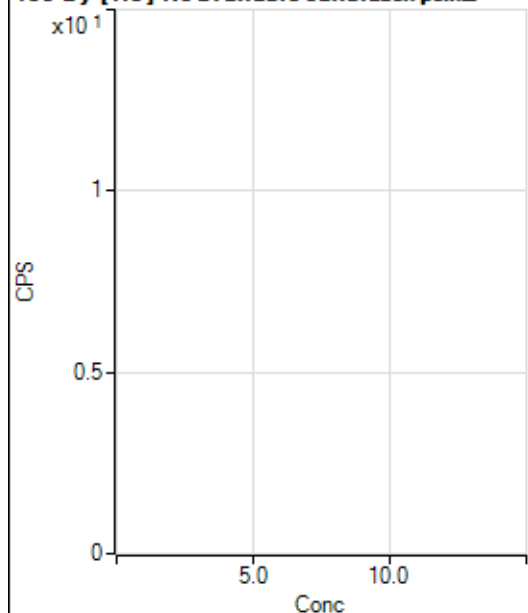
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 43.3 |
| 2 | <input type="checkbox"/> |       |            | 15.56  |       | P        | 65.5 |
| 3 | <input type="checkbox"/> |       |            | 35.56  |       | P        | 28.6 |
| 4 | <input type="checkbox"/> |       |            | 62.22  |       | P        | 22.3 |
| 5 | <input type="checkbox"/> |       |            | 102.23 |       | P        | 7.5  |
| 6 | <input type="checkbox"/> |       |            | 193.34 |       | P        | 42.4 |
| 7 | <input type="checkbox"/> |       |            | 406.68 |       | P        | 5.9  |
| 8 | <input type="checkbox"/> |       |            | 113.34 |       | P        | 17.6 |

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

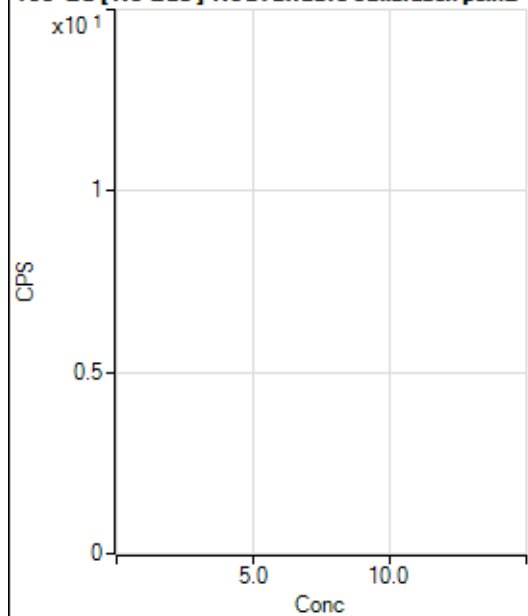
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 43.4 |
| 4 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 5 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 66.7 |
| 6 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 57.3 |
| 7 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 26.5 |
| 8 | <input type="checkbox"/> |       |            | 28.89 |       | P        | 46.6 |

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

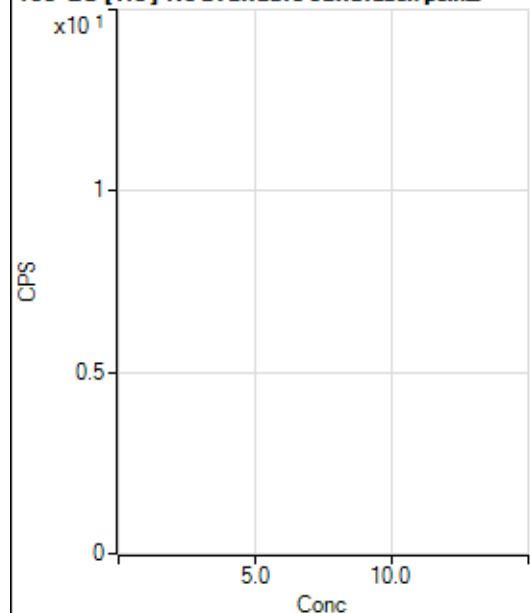
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 50.0 |
| 2 | <input type="checkbox"/> |       |            | 8.33   |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 30.55  |       | P        | 68.6 |
| 4 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 86.6 |
| 5 | <input type="checkbox"/> |       |            | 55.55  |       | P        | 37.8 |
| 6 | <input type="checkbox"/> |       |            | 125.01 |       | P        | 11.5 |
| 7 | <input type="checkbox"/> |       |            | 255.57 |       | P        | 24.5 |
| 8 | <input type="checkbox"/> |       |            | 733.38 |       | P        | 14.9 |

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

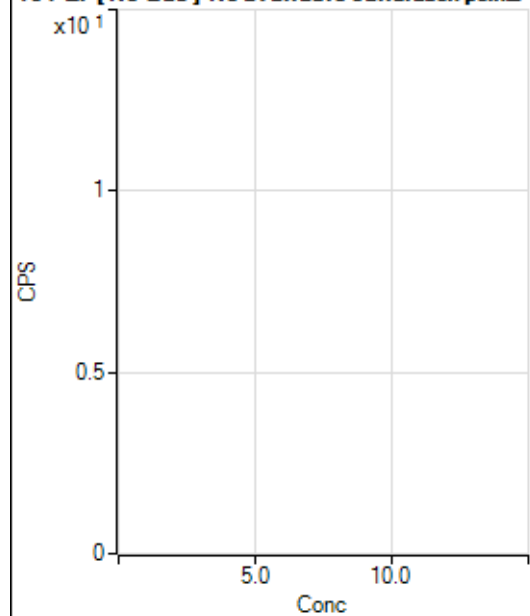
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 100. |
| 4 | <input type="checkbox"/> |       |            | 18.89  |       | P        | 44.4 |
| 5 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 40.0 |
| 6 | <input type="checkbox"/> |       |            | 37.78  |       | P        | 22.2 |
| 7 | <input type="checkbox"/> |       |            | 90.00  |       | P        | 28.9 |
| 8 | <input type="checkbox"/> |       |            | 258.89 |       | P        | 9.3  |

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

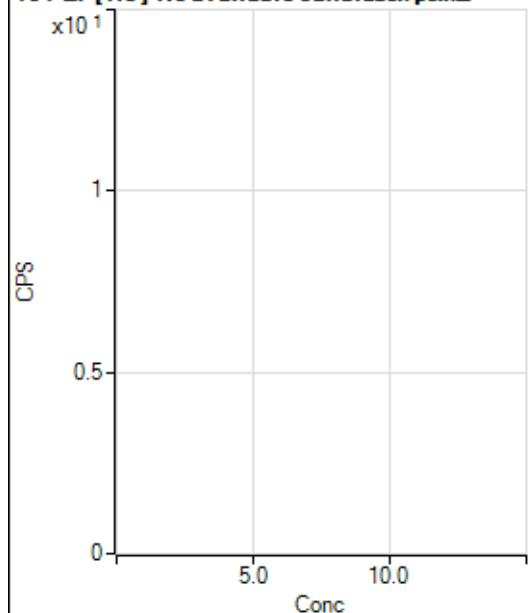
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 33.34  |       | P        | 43.3 |
| 2 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 45.8 |
| 3 | <input type="checkbox"/> |       |            | 41.67  |       | P        | 52.9 |
| 4 | <input type="checkbox"/> |       |            | 72.23  |       | P        | 17.6 |
| 5 | <input type="checkbox"/> |       |            | 63.89  |       | P        | 39.8 |
| 6 | <input type="checkbox"/> |       |            | 83.34  |       | P        | 40.0 |
| 7 | <input type="checkbox"/> |       |            | 155.56 |       | P        | 11.2 |
| 8 | <input type="checkbox"/> |       |            | 469.47 |       | P        | 6.2  |

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

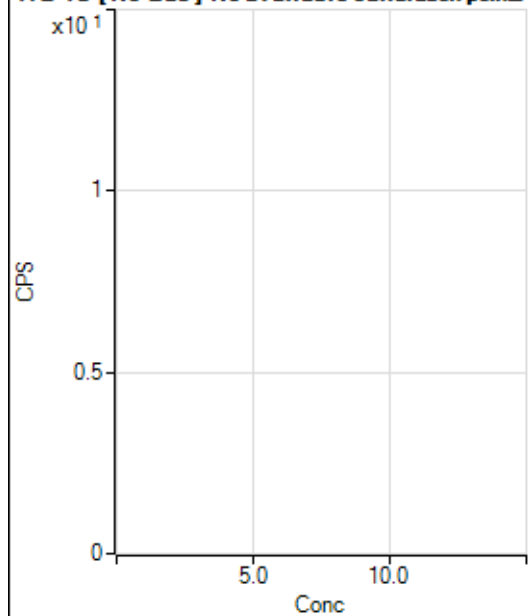
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 21.1 |
| 2 | <input type="checkbox"/> |       |            | 45.56  |       | P        | 21.1 |
| 3 | <input type="checkbox"/> |       |            | 62.22  |       | P        | 21.7 |
| 4 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 20.0 |
| 5 | <input type="checkbox"/> |       |            | 67.78  |       | P        | 7.5  |
| 6 | <input type="checkbox"/> |       |            | 84.45  |       | P        | 9.1  |
| 7 | <input type="checkbox"/> |       |            | 105.56 |       | P        | 14.2 |
| 8 | <input type="checkbox"/> |       |            | 262.23 |       | P        | 15.7 |

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

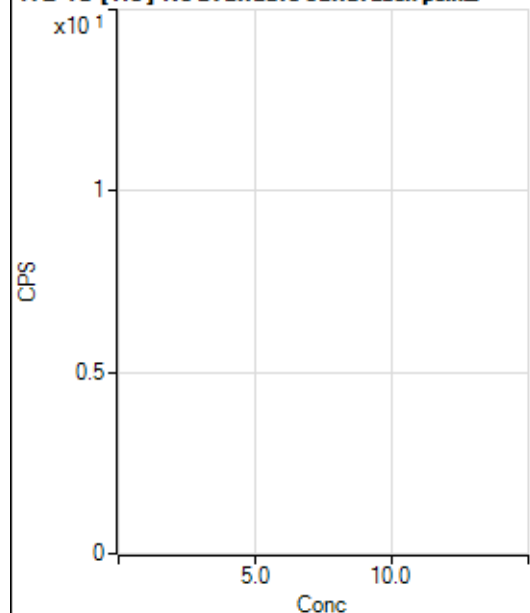
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 69.45  |       | P        | 18.3 |
| 2 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 21.6 |
| 3 | <input type="checkbox"/> |       |            | 72.22  |       | P        | 33.3 |
| 4 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 16.7 |
| 5 | <input type="checkbox"/> |       |            | 77.78  |       | P        | 27.0 |
| 6 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 43.8 |
| 7 | <input type="checkbox"/> |       |            | 97.22  |       | P        | 21.6 |
| 8 | <input type="checkbox"/> |       |            | 111.12 |       | P        | 37.8 |

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

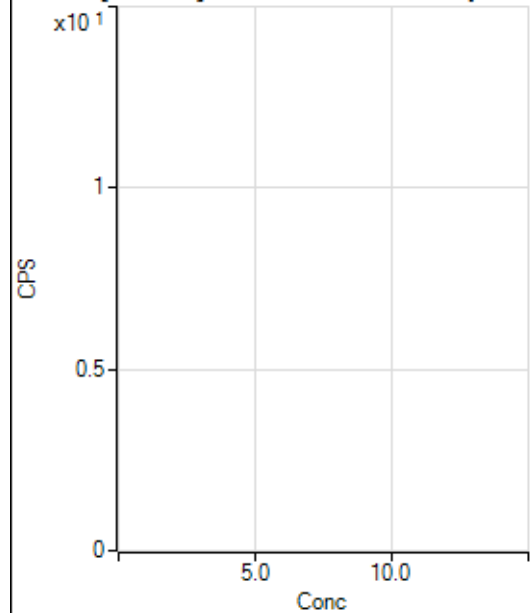
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 20.00 |       | P        | 16.7 |
| 2 | <input type="checkbox"/> |       |            | 14.45 |       | P        | 26.7 |
| 3 | <input type="checkbox"/> |       |            | 25.56 |       | P        | 7.5  |
| 4 | <input type="checkbox"/> |       |            | 23.33 |       | P        | 14.3 |
| 5 | <input type="checkbox"/> |       |            | 28.89 |       | P        | 24.0 |
| 6 | <input type="checkbox"/> |       |            | 21.11 |       | P        | 32.9 |
| 7 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 39.6 |
| 8 | <input type="checkbox"/> |       |            | 50.00 |       | P        | 35.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 45.1 |
| 2 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 70.9 |
| 3 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 34.3 |
| 4 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 7.9  |
| 5 | <input type="checkbox"/> |       |            | 72.22  |       | P        | 24.0 |
| 6 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 52.7 |
| 7 | <input type="checkbox"/> |       |            | 69.44  |       | P        | 38.6 |
| 8 | <input type="checkbox"/> |       |            | 150.00 |       | P        | 43.4 |

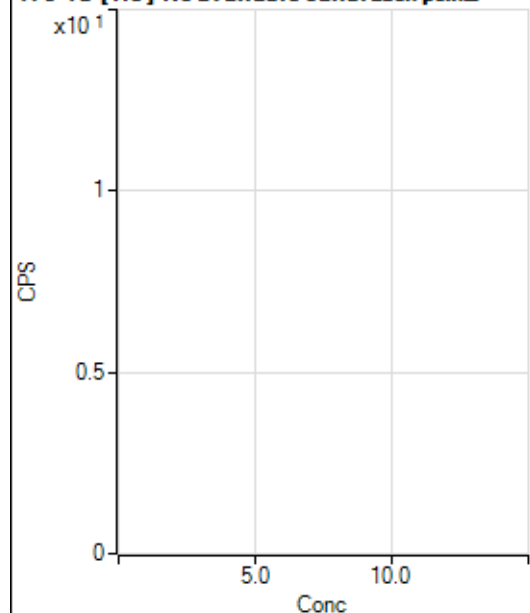
**172 Yb [He] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 46.30 |       | P        | 73.3 |
| 2 | <input type="checkbox"/> |       |            | 24.08 |       | P        | 74.2 |
| 3 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 50.0 |
| 4 | <input type="checkbox"/> |       |            | 29.63 |       | P        | 10.8 |
| 5 | <input type="checkbox"/> |       |            | 24.08 |       | P        | 26.6 |
| 6 | <input type="checkbox"/> |       |            | 37.04 |       | P        | 17.3 |
| 7 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 33.3 |
| 8 | <input type="checkbox"/> |       |            | 64.82 |       | P        | 13.1 |

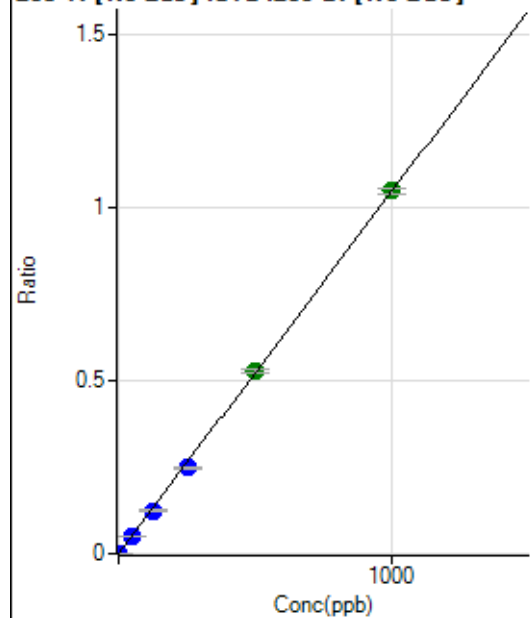
**176 Yb [No Gas] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|----------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 927.84   |       | P        | 2.7  |
| 2 | <input type="checkbox"/> |       |            | 1036.18  |       | P        | 8.1  |
| 3 | <input type="checkbox"/> |       |            | 1883.53  |       | P        | 11.3 |
| 4 | <input type="checkbox"/> |       |            | 3356.09  |       | P        | 2.5  |
| 5 | <input type="checkbox"/> |       |            | 5640.27  |       | P        | 4.1  |
| 6 | <input type="checkbox"/> |       |            | 10629.57 |       | P        | 1.9  |
| 7 | <input type="checkbox"/> |       |            | 21025.56 |       | P        | 1.7  |
| 8 | <input type="checkbox"/> |       |            | 1044.52  |       | P        | 6.2  |



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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 4058.11  |       | P        | 5.1 |
| 2 | <input type="checkbox"/> |       |            | 4109.97  |       | P        | 5.5 |
| 3 | <input type="checkbox"/> |       |            | 4478.62  |       | P        | 3.4 |
| 4 | <input type="checkbox"/> |       |            | 5182.60  |       | P        | 2.8 |
| 5 | <input type="checkbox"/> |       |            | 6058.91  |       | P        | 3.2 |
| 6 | <input type="checkbox"/> |       |            | 8684.48  |       | P        | 2.7 |
| 7 | <input type="checkbox"/> |       |            | 13336.60 |       | P        | 4.5 |
| 8 | <input type="checkbox"/> |       |            | 4178.51  |       | P        | 1.2 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 841.72     | 0.0002 | P        | 6.8  |
| 2 | <input type="checkbox"/> | 1.000    | 0.916      | 4967.76    | 0.0012 | P        | 2.8  |
| 3 | <input type="checkbox"/> | 50.000   | 47.809     | 223720.77  | 0.0501 | P        | 2.1  |
| 4 | <input type="checkbox"/> | 125.000  | 118.971    | 564990.83  | 0.1244 | P        | 3.9  |
| 5 | <input type="checkbox"/> | 250.000  | 237.943    | 1152598.91 | 0.2485 | P        | 2.2  |
| 6 | <input type="checkbox"/> | 500.000  | 502.767    | 2460352.88 | 0.5249 | A        | 2.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.494   | 4983691.13 | 1.0464 | A        | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 2680.92    | 0.0007 | P        | 10.0 |

$$y = 0.0010 * x + 1.9938E-004$$

$$R = 0.9999$$

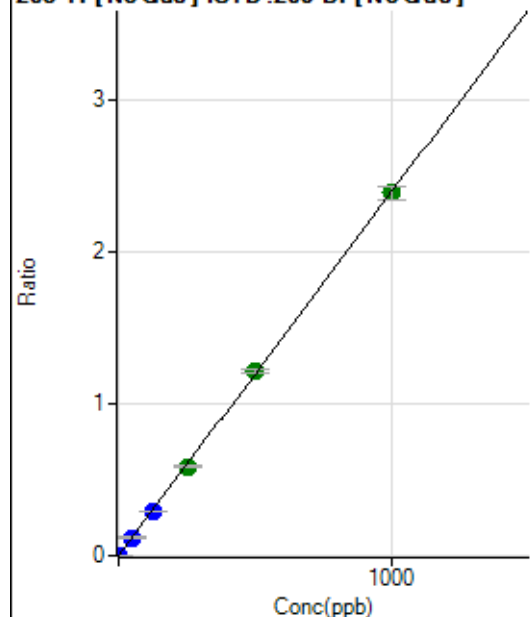
$$DL = 0.03922$$

$$BEC = 0.191$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2153.01     | 0.0005 | P        | 3.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.934      | 11805.69    | 0.0027 | P        | 1.6 |
| 3 | <input type="checkbox"/> | 50.000   | 49.303     | 529779.60   | 0.1187 | P        | 4.6 |
| 4 | <input type="checkbox"/> | 125.000  | 121.878    | 1329502.02  | 0.2926 | P        | 2.5 |
| 5 | <input type="checkbox"/> | 250.000  | 245.500    | 2730916.31  | 0.5888 | A        | 2.3 |
| 6 | <input type="checkbox"/> | 500.000  | 508.011    | 5709106.72  | 1.2179 | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 997.545    | 11382207.02 | 2.3911 | A        | 4.0 |
| 8 | <input type="checkbox"/> |          |            | 6593.54     | 0.0016 | P        | 3.9 |

$$y = 0.0024 * x + 5.0977E-004$$

$$R = 0.9999$$

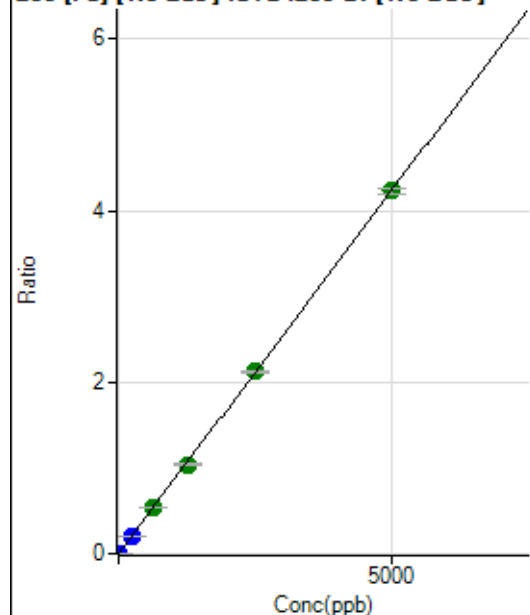
$$DL = 0.02103$$

$$BEC = 0.2127$$

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      | 672.25      | 0.0002 | P        | 19.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.937      | 4091.48     | 0.0010 | P        | 0.2  |
| 3 | <input type="checkbox"/> | 250.000  | 242.316    | 916279.07   | 0.2051 | P        | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 633.518    | 2437069.15  | 0.5361 | A        | 0.7  |
| 5 | <input type="checkbox"/> | 1250.000 | 1226.963   | 4814458.33  | 1.0381 | A        | 2.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2514.607   | 9975209.95  | 2.1274 | A        | 1.1  |
| 7 | <input type="checkbox"/> | 5000.000 | 4997.775   | 20134204.39 | 4.2281 | A        | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 5388.26     | 0.0013 | P        | 8.8  |

$$y = 8.4596E-004 * x + 1.5942E-004$$

$$R = 1.0000$$

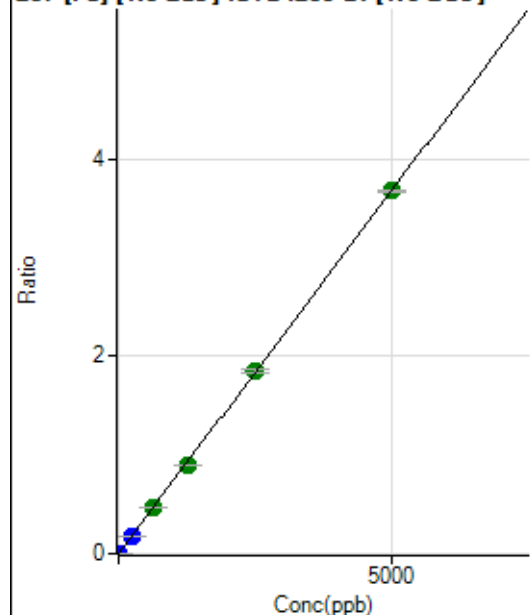
$$DL = 0.1101$$

$$BEC = 0.1885$$

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      | 512.98      | 0.0001 | P        | 2.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.907      | 3387.55     | 0.0008 | P        | 4.6 |
| 3 | <input type="checkbox"/> | 250.000  | 244.721    | 803769.17   | 0.1800 | P        | 2.1 |
| 4 | <input type="checkbox"/> | 625.000  | 639.391    | 2136865.12  | 0.4701 | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1250.000 | 1216.737   | 4148441.32  | 0.8944 | A        | 0.3 |
| 6 | <input type="checkbox"/> | 2500.000 | 2513.880   | 8660405.86  | 1.8478 | A        | 2.1 |
| 7 | <input type="checkbox"/> | 5000.000 | 4999.841   | 17503028.28 | 3.6750 | A        | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 4619.43     | 0.0011 | P        | 9.8 |

$$y = 7.3499\text{E-}004 * x + 1.2144\text{E-}004$$

$$R = 1.0000$$

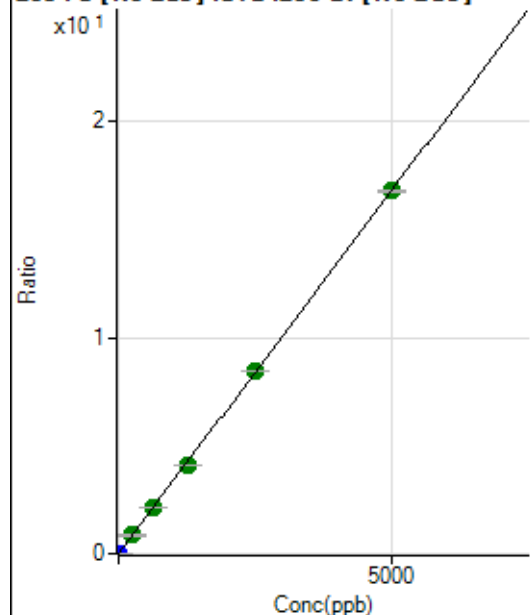
$$DL = 0.01422$$

$$BEC = 0.1652$$

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      | 2479.77     | 0.0006  | P        | 6.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.929      | 15933.81    | 0.0037  | P        | 2.1 |
| 3 | <input type="checkbox"/> | 250.000  | 251.701    | 3778431.37  | 0.8460  | A        | 0.4 |
| 4 | <input type="checkbox"/> | 625.000  | 632.341    | 9656233.75  | 2.1244  | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1250.000 | 1222.614   | 19047896.75 | 4.1069  | A        | 1.1 |
| 6 | <input type="checkbox"/> | 2500.000 | 2513.655   | 39581219.75 | 8.4430  | A        | 0.5 |
| 7 | <input type="checkbox"/> | 5000.000 | 4999.016   | 79978850.75 | 16.7903 | A        | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 21398.07    | 0.0053  | P        | 7.3 |

$$y = 0.0034 * x + 5.8734\text{E-}004$$

$$R = 1.0000$$

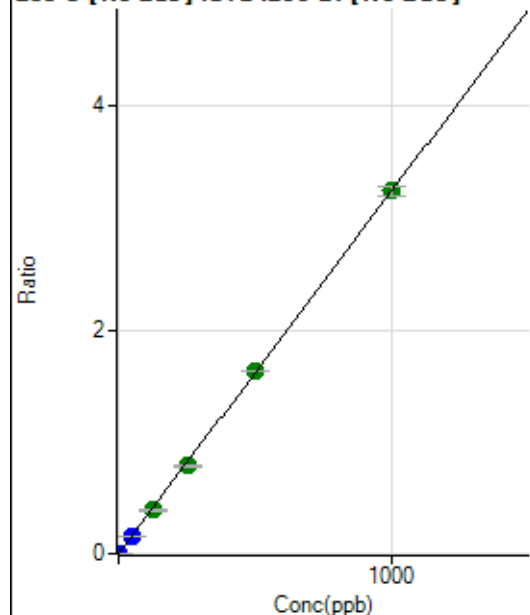
$$DL = 0.03141$$

$$BEC = 0.1749$$

Weight: &lt;None&gt;

Min Conc: 0

238 U [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      | 141.67      | 0.0000 | P    | 17.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.929      | 13096.07    | 0.0030 | P    | 3.7  |
| 3 | <input type="checkbox"/> | 50.000   | 47.514     | 688159.65   | 0.1541 | P    | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 120.456    | 1774750.04  | 0.3906 | A    | 2.2  |
| 5 | <input type="checkbox"/> | 250.000  | 242.486    | 3646521.74  | 0.7862 | A    | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 503.445    | 7651265.36  | 1.6322 | A    | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.848   | 15448782.81 | 3.2448 | A    | 2.9  |
| 8 | <input type="checkbox"/> |          |            | 1694.61     | 0.0004 | P    | 2.6  |

$$y = 0.0032 * x + 3.3598E-005$$

$$R = 1.0000$$

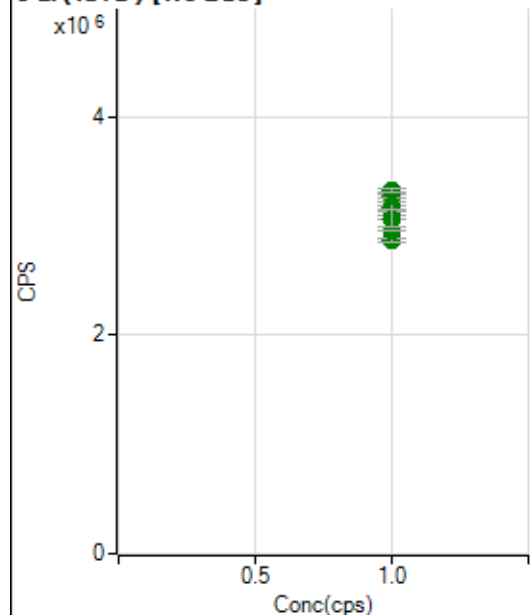
$$DL = 0.005314$$

$$BEC = 0.01036$$

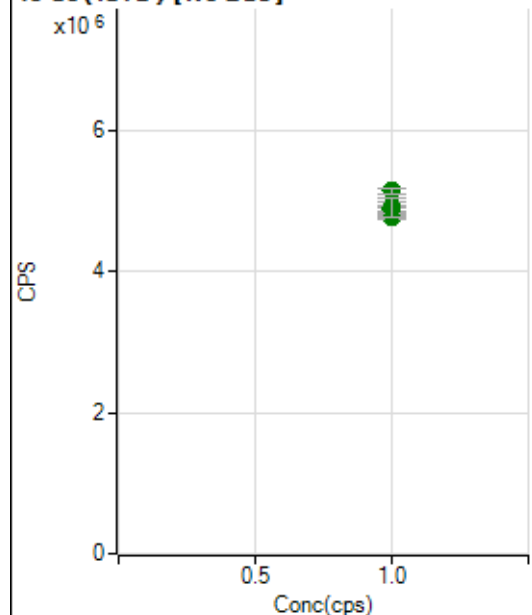
Weight: &lt;None&gt;

Min Conc: 0

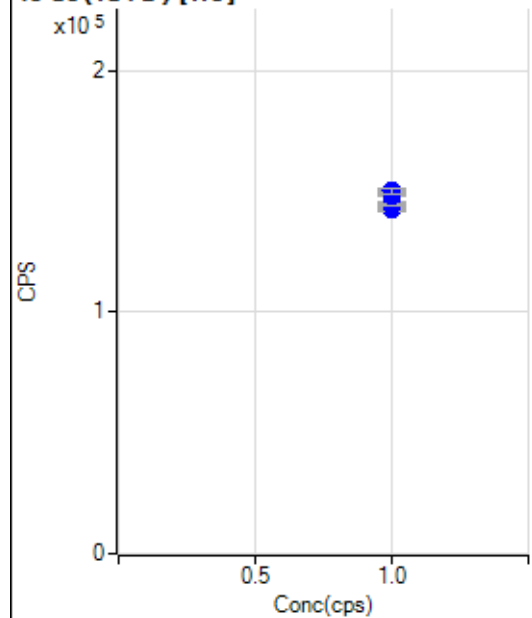
6 Li (ISTD) [No Gas]



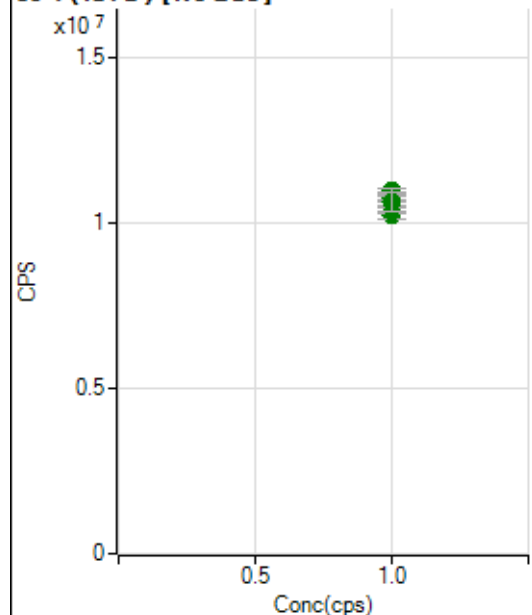
|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2875296.63 |       | A    | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2960611.02 |       | A    | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3099476.87 |       | A    | 2.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3134964.52 |       | A    | 2.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3173126.59 |       | A    | 2.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3270074.24 |       | A    | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3320544.34 |       | A    | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3064900.38 |       | A    | 5.0 |

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

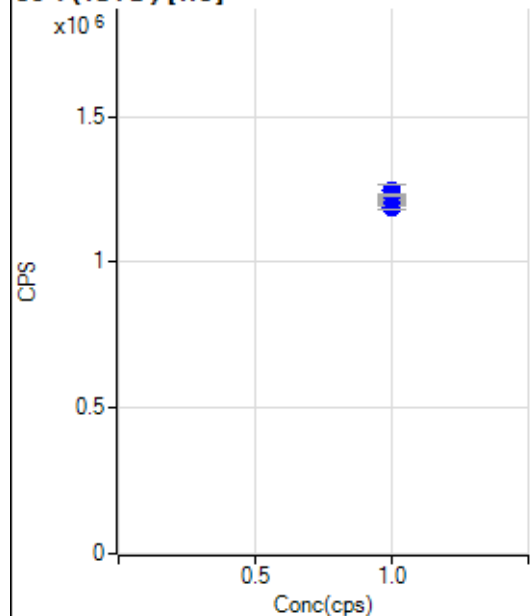
|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4760798.47 |       | A    | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4819772.39 |       | A    | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4942178.40 |       | A    | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4912621.28 |       | A    | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4914427.08 |       | A    | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4883466.45 |       | A    | 2.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5140152.04 |       | A    | 1.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4913608.33 |       | A    | 5.7 |

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

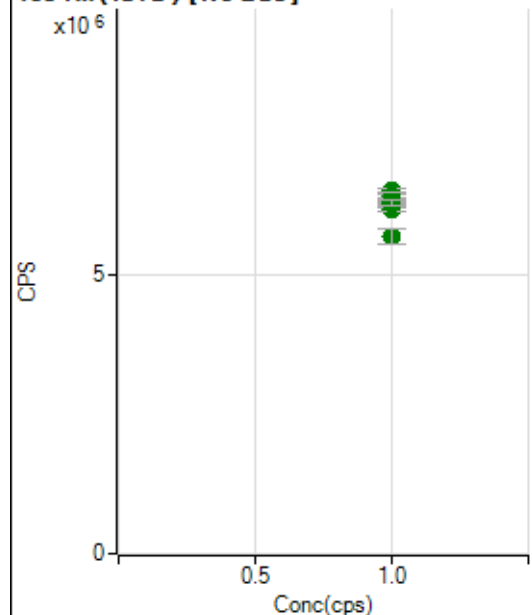
|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS       | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-----------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 142487.82 |       | P    | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 143955.67 |       | P    | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 147861.75 |       | P    | 3.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 144916.45 |       | P    | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 144644.06 |       | P    | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 147957.07 |       | P    | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 149457.47 |       | P    | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 150316.00 |       | P    | 1.6 |

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

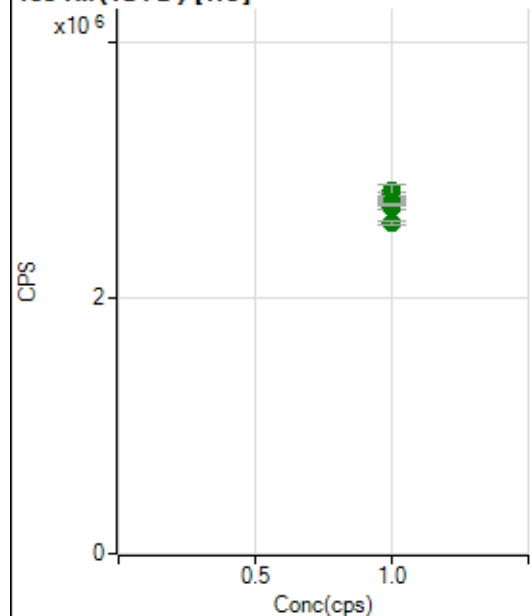
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10247582.00 |       | A        | 2.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10345874.92 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10802942.76 |       | A        | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10785322.69 |       | A        | 1.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10485795.05 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10740471.78 |       | A        | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10982643.10 |       | A        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10636252.55 |       | A        | 5.3 |

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

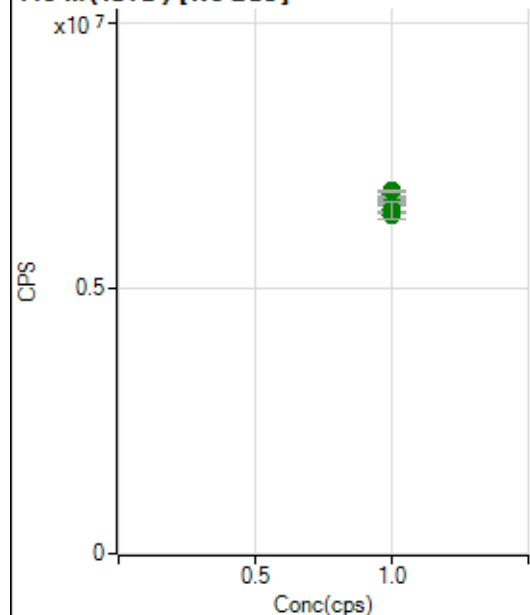
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1204966.20 |       | P        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1215072.63 |       | P        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1245281.03 |       | P        | 3.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1214942.55 |       | P        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1187229.76 |       | P        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1217051.76 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1233287.98 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1231795.11 |       | P        | 0.8 |

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

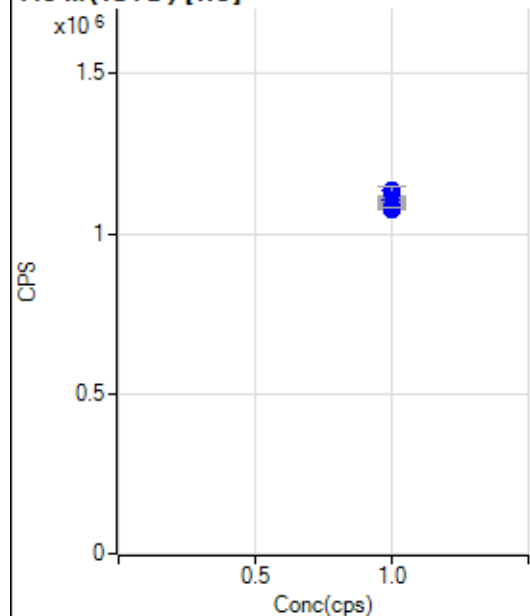
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6236889.81 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6175569.80 |       | A        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6504026.49 |       | A        | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6427570.59 |       | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6186449.70 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6275331.74 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6292190.81 |       | A        | 1.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5691491.06 |       | A        | 4.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2756750.13 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2808424.20 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2834979.89 |       | A        | 4.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2747992.87 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2708471.63 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2744480.69 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2724702.53 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2588046.46 |       | A        | 1.1 |

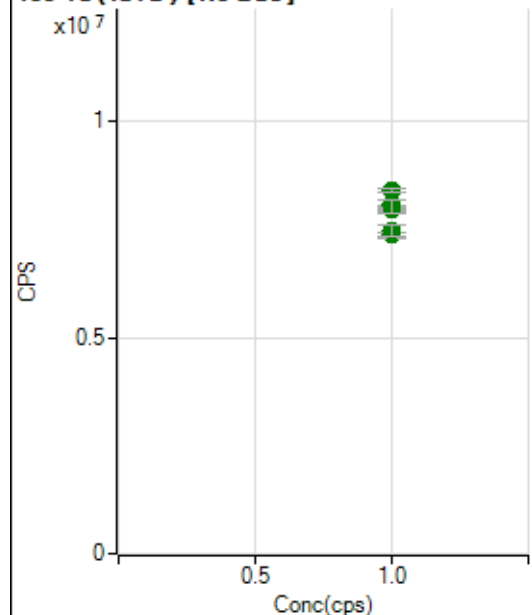
**115 In (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6350054.14 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6493231.15 |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6749540.86 |       | A        | 1.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6740193.07 |       | A        | 2.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6611761.38 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6709582.13 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6826331.00 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6461417.99 |       | A        | 4.8 |

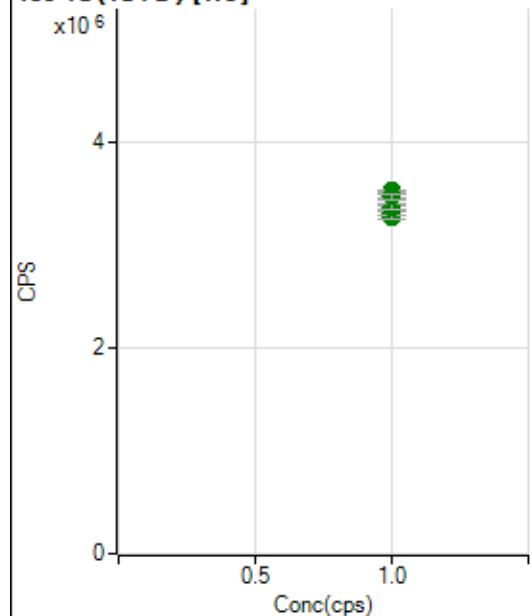
**115 In (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1103110.62 |       | P        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1100394.08 |       | P        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1133311.97 |       | P        | 2.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1103172.55 |       | P        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1077406.49 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1087619.24 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1093614.75 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1079606.42 |       | P        | 0.1 |

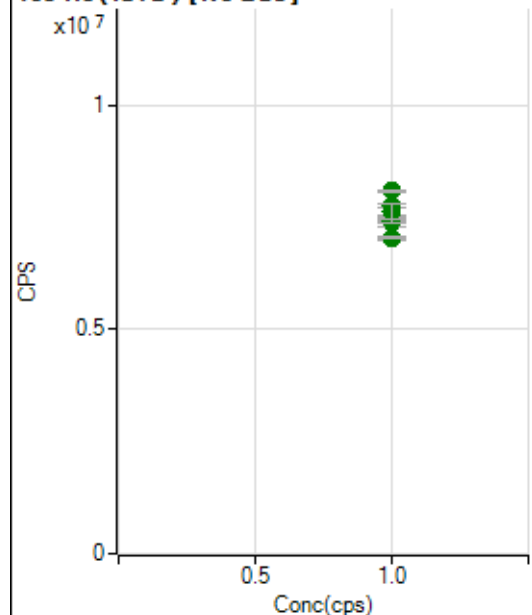


**159 Tb (ISTD) [No Gas]**

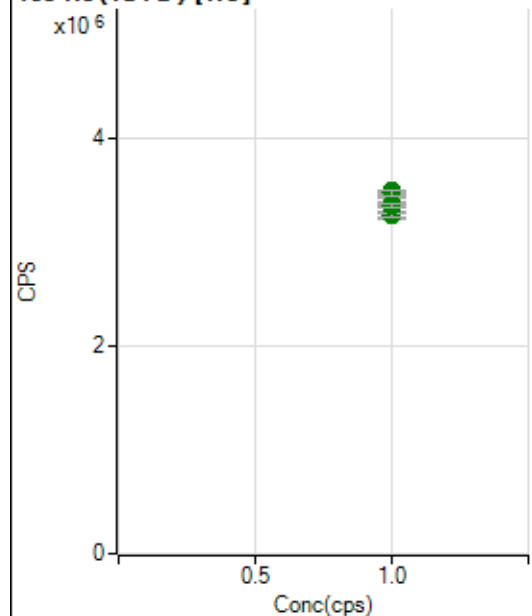
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7377496.21 |       | A        | 1.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7475242.46 |       | A        | 3.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8004843.42 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7938109.68 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7982038.77 |       | A        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8105629.74 |       | A        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8387335.71 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8033540.99 |       | A        | 3.6 |

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

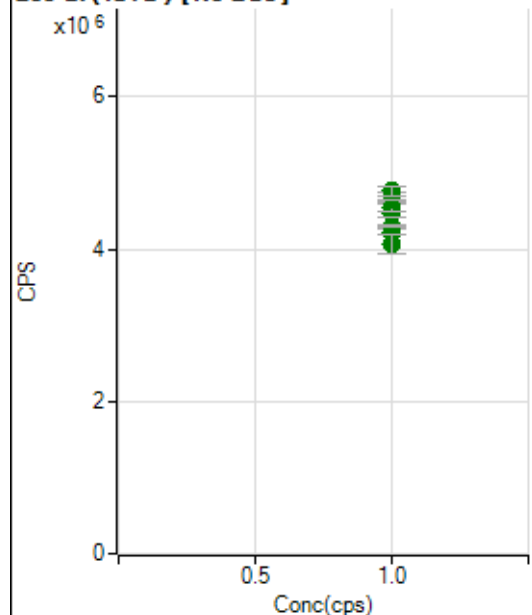
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3312527.83 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3268293.28 |       | A        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3371318.53 |       | A        | 2.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3370485.23 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3373417.17 |       | A        | 1.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3494916.13 |       | A        | 2.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3532289.22 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3480590.95 |       | A        | 1.5 |

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

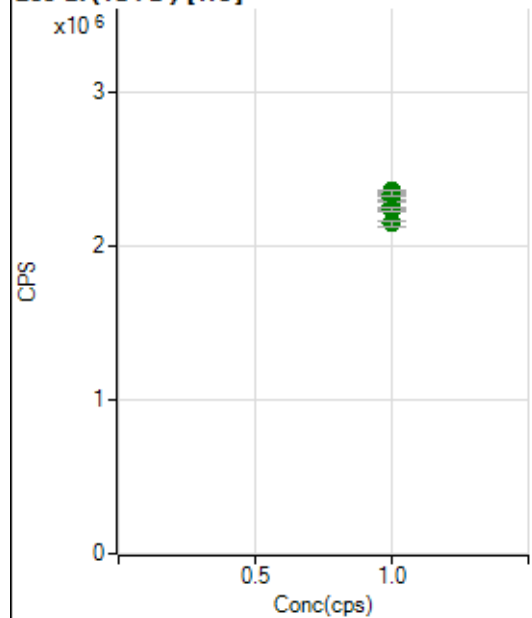
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7013561.09 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7033903.80 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7368570.48 |       | A        | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7481534.97 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7434759.89 |       | A        | 2.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7747630.99 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8085294.10 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7620226.21 |       | A        | 4.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3267799.99 |       | A        | 2.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3269911.90 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3386172.21 |       | A        | 3.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3373537.62 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3355256.83 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3499249.22 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3493393.73 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3479952.55 |       | A        | 1.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4223460.04 |       | A        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4297762.12 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4466673.13 |       | A        | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4545646.39 |       | A        | 2.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4638242.29 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4688211.32 |       | A        | 2.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4763353.82 |       | A        | 2.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4061943.38 |       | A        | 5.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2269860.66 |       | A        | 2.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2240412.83 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2336804.70 |       | A        | 2.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2361762.52 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2316433.66 |       | A        | 2.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2344730.70 |       | A        | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2342863.47 |       | A        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2147626.56 |       | A        | 1.4 |

# US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP8051922MS.b

Acq. Date-Time 2022-05-19 17:01:03

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    |              | 9917  | 99172.74  |                            |             | 2.140  | 5.000           |
| 24   |              | 63607 | 636069.73 |                            |             | 1.957  | 5.000           |
| 25   |              | 8486  | 84858.17  |                            |             | 1.911  | 5.000           |
| 26   |              | 9831  | 98312.02  |                            |             | 2.116  | 5.000           |
| 59   |              | 15406 | 154062.91 |                            |             | 1.993  | 5.000           |
| 113  |              | 7777  | 77771.04  |                            |             | 2.629  | 5.000           |
| 115  |              | 23166 | 231661.37 |                            |             | 4.663  | 5.000           |
| 206  |              | 8951  | 89508.21  |                            |             | 2.402  | 5.000           |
| 207  |              | 7440  | 74400.27  |                            |             | 2.453  | 5.000           |
| 208  |              | 18270 | 182702.35 |                            |             | 2.350  | 5.000           |
| 220  |              | 0     | 3.10      |                            |             | 38.508 |                 |

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

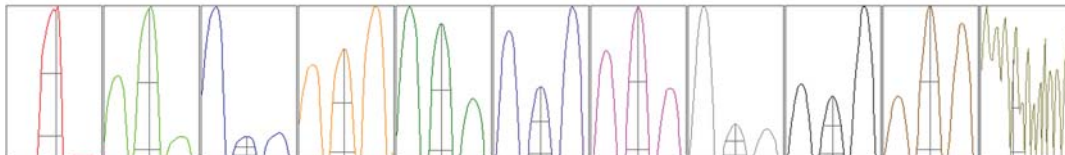
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 10044       | 9959        | 10021       | 10020       | 9542        |
| 24   | 64858       | 63782       | 63668       | 64184       | 61542       |
| 25   | 8493        | 8511        | 8593        | 8620        | 8212        |
| 26   | 9896        | 9948        | 9944        | 9907        | 9461        |
| 59   | 15454       | 15550       | 15515       | 15641       | 14870       |
| 113  | 7910        | 7807        | 7877        | 7873        | 7417        |
| 115  | 24376       | 23555       | 23378       | 23088       | 21434       |
| 206  | 8952        | 8902        | 9151        | 9130        | 8619        |
| 207  | 7397        | 7349        | 7586        | 7660        | 7209        |
| 208  | 18318       | 18257       | 18526       | 18685       | 17565       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 16087.42    | 9.10   | 8.90 - 9.10     |             |
| 24   | 105267.37   | 23.95  | 23.90 - 24.10   |             |
| 25   | 14194.47    | 24.95  | 24.90 - 25.10   |             |
| 26   | 16758.56    | 25.95  | 25.90 - 26.10   |             |
| 59   | 27138.86    | 58.95  | 58.90 - 59.10   |             |
| 113  | 14729.81    | 113.00 | 112.90 - 113.10 |             |
| 115  | 44415.06    | 115.00 | 114.90 - 115.10 |             |
| 206  | 16874.26    | 206.00 | 205.90 - 206.10 |             |
| 207  | 14050.21    | 207.00 | 206.90 - 207.10 |             |
| 208  | 34663.93    | 208.00 | 207.90 - 208.10 |             |
| 220  | 0.45        | 219.55 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.63  | 0.757 | 0.900           |             |
| 24   | 0.64  | 0.823 | 0.900           |             |
| 25   | 0.62  | 0.767 | 0.900           |             |
| 26   | 0.63  | 0.786 | 0.900           |             |
| 59   | 0.60  | 0.740 | 0.900           |             |
| 113  | 0.55  | 0.731 | 0.900           |             |
| 115  | 0.54  | 0.732 | 0.900           |             |
| 206  | 0.56  | 0.742 | 0.900           |             |
| 207  | 0.56  | 0.776 | 0.900           |             |
| 208  | 0.56  | 0.777 | 0.900           |             |
| 220  | 0.25  | 0.442 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.78 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    | 9.2 V | Deflect    | 15.6 V |
| Extract 2  | -125.0 V | Cell Entrance | -30 V | Plate Bias | -50 V  |
| Omega Bias | -65 V    | Cell Exit     | -50 V |            |        |

## Cell Parameters

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

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 124 | Axis Gain   | 0.9995 | QP Bias | -4.0 V |
| Mass Offset | 125 | Axis Offset | -0.02  |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 0.4 mm | Torch V | -0.1 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.3 mV | Analog HV | 2329 V | Pulse HV | 1709 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 3129  | 31291.17  |                            |             | 1.653 |                 |
| 89   |              | 13153 | 131529.56 |                            |             | 2.217 |                 |
| 205  |              | 20906 | 209056.43 |                            |             | 2.713 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 3115        | 3130        | 3160        | 3189        | 3052        |
| 89   | 13138       | 12944       | 13238       | 13596       | 12848       |
| 205  | 20616       | 20947       | 21213       | 21620       | 20133       |

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 | 9.2 V | Deflect | 4.0 V |
|-----------|--------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -125.0 V | Cell Entrance | -50 V | Plate Bias | -60 V |
| Omega Bias | -65 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   | 0.9995 | QP Bias | -13.0 V |
| Mass Offset | 125 | Axis Offset | -0.02  |         |         |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 0.4 mm | Torch V | -0.1 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.3 mV | Analog HV | 2329 V | Pulse HV | 1709 V |
|---------------|--------|-----------|--------|----------|--------|