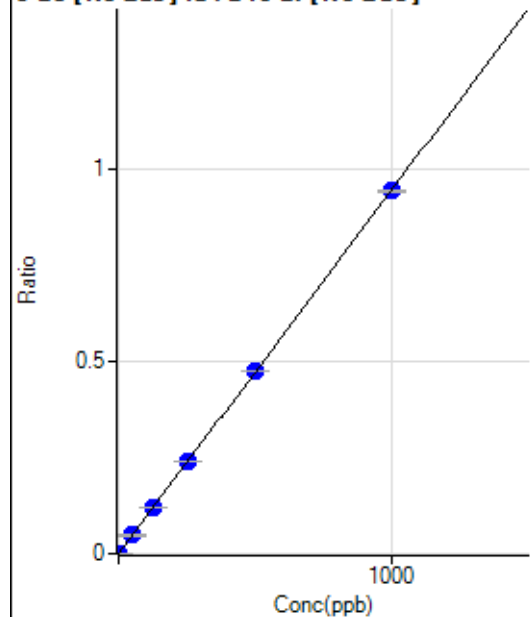


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8030620 MS.b\  
Analysis File: P8030620 MS.batch.bin  
DA Date-Time: 2020-03-06 20:21:31  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2020-03-06 12:53:44 |
| 2     | 004CALS.d          | S02         | 2020-03-06 12:56:52 |
| 3     | 005CALS.d          | S03         | 2020-03-06 12:59:58 |
| 4     | 006CALS.d          | S04         | 2020-03-06 13:03:05 |
| 5     | 007CALS.d          | S05         | 2020-03-06 13:06:07 |
| 6     | 008CALS.d          | S06         | 2020-03-06 13:09:07 |
| 7     | 009CALS.d          | S07         | 2020-03-06 13:12:05 |
| 8     | 010CALS.d          | S08         | 2020-03-06 13:15:06 |

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      | 22.00     | 0.0000 | P    | 28.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.045      | 721.88    | 0.0010 | P    | 5.3  |
| 3 | <input type="checkbox"/> | 50.000   | 50.329     | 34384.36  | 0.0475 | P    | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 127.536    | 87240.05  | 0.1204 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 252.914    | 173805.98 | 0.2388 | P    | 0.2  |
| 6 | <input type="checkbox"/> | 500.000  | 501.240    | 348672.00 | 0.4732 | P    | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.318    | 665240.80 | 0.9424 | P    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 146.64    | 0.0002 | P    | 16.0 |

$$y = 9.4394\text{E-}004 * x + 3.2174\text{E-}005$$

$$R = 1.0000$$

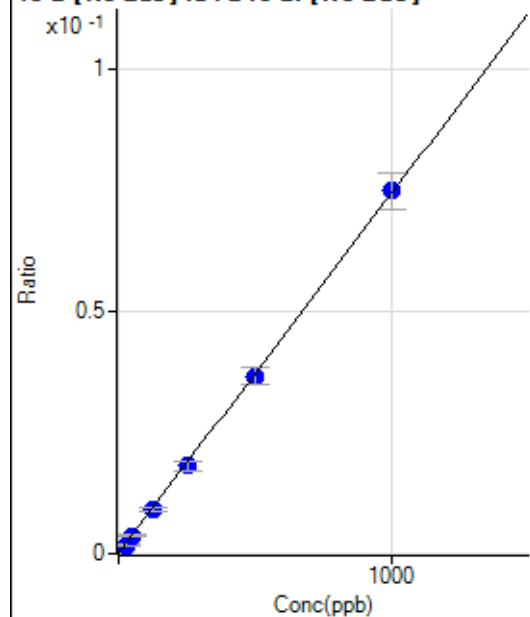
$$DL = 0.02935$$

$$BEC = 0.03408$$

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      | 93.31    | 0.0001 | P    | 7.3  |
| 2 | <input type="checkbox"/> | 25.000   | 22.127     | 1258.48  | 0.0018 | P    | 11.9 |
| 3 | <input type="checkbox"/> | 50.000   | 48.450     | 2695.06  | 0.0037 | P    | 8.6  |
| 4 | <input type="checkbox"/> | 125.000  | 120.758    | 6581.52  | 0.0091 | P    | 8.4  |
| 5 | <input type="checkbox"/> | 250.000  | 241.624    | 13128.63 | 0.0180 | P    | 10.9 |
| 6 | <input type="checkbox"/> | 500.000  | 491.801    | 26958.07 | 0.0366 | P    | 10.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.873   | 52745.12 | 0.0747 | P    | 9.8  |
| 8 | <input type="checkbox"/> |          |            | 8749.56  | 0.0121 | P    | 10.7 |

$$y = 7.4101\text{E-}005 * x + 1.3514\text{E-}004$$

$$R = 0.9999$$

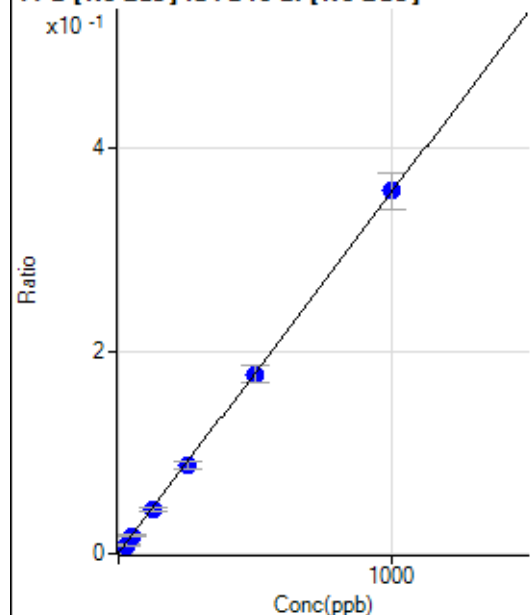
$$DL = 0.3976$$

$$BEC = 1.824$$

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      | 421.26    | 0.0006 | P   | 11.6 |
| 2 | <input type="checkbox"/> | 25.000   | 21.607     | 5885.37   | 0.0083 | P   | 11.3 |
| 3 | <input type="checkbox"/> | 50.000   | 47.916     | 12775.05  | 0.0177 | P   | 8.2  |
| 4 | <input type="checkbox"/> | 125.000  | 120.139    | 31414.00  | 0.0434 | P   | 10.0 |
| 5 | <input type="checkbox"/> | 250.000  | 243.607    | 63523.27  | 0.0873 | P   | 9.2  |
| 6 | <input type="checkbox"/> | 500.000  | 495.835    | 130462.46 | 0.1770 | P   | 9.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1004.477   | 252614.16 | 0.3580 | P   | 10.0 |
| 8 | <input type="checkbox"/> |          |            | 41596.02  | 0.0573 | P   | 11.7 |

$$y = 3.5578\text{E-}004 * x + 6.1281\text{E-}004$$

$$R = 1.0000$$

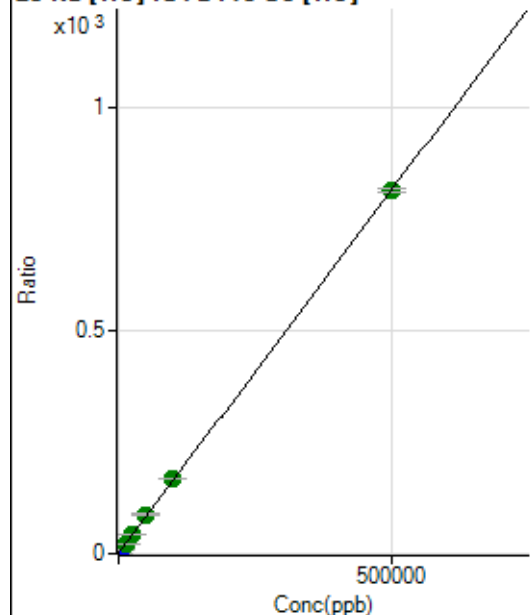
$$DL = 0.5969$$

$$BEC = 1.722$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 45616.31    | 0.7251   | P   | 1.2 |
| 2 | <input type="checkbox"/> | 500.000   | 544.178    | 100847.16   | 1.6114   | P   | 1.7 |
| 3 | <input type="checkbox"/> | 5000.000  | 5318.398   | 589507.18   | 9.3872   | P   | 0.6 |
| 4 | <input type="checkbox"/> | 12500.000 | 13196.784  | 1390068.47  | 22.2188  | A   | 0.7 |
| 5 | <input type="checkbox"/> | 25000.000 | 26309.605  | 2690458.31  | 43.5758  | A   | 0.9 |
| 6 | <input type="checkbox"/> | 50000.000 | 53206.008  | 5291361.01  | 87.3822  | A   | 3.3 |
| 7 | <input type="checkbox"/> | 100000.00 | 102934.16  | 10042398.92 | 168.3749 | A   | 0.3 |
| 8 | <input type="checkbox"/> | 500000.00 | 499006.43  | 51358559.83 | 813.4612 | A   | 1.1 |

$$y = 0.0016 * x + 0.7251$$

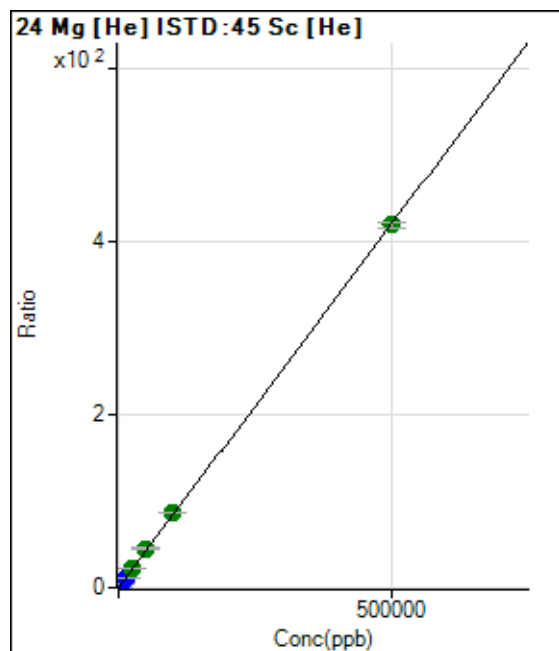
$$R = 1.0000$$

$$DL = 15.76$$

$$BEC = 445.2$$

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      | 180.56      | 0.0029   | P    | 30.1 |
| 2 | <input type="checkbox"/> | 500.000   | 536.224    | 28380.87    | 0.4535   | P    | 1.6  |
| 3 | <input type="checkbox"/> | 5000.000  | 5401.714   | 285244.53   | 4.5422   | P    | 0.6  |
| 4 | <input type="checkbox"/> | 12500.000 | 13510.099  | 710465.29   | 11.3561  | P    | 0.6  |
| 5 | <input type="checkbox"/> | 25000.000 | 26973.145  | 1399614.03  | 22.6698  | A    | 1.4  |
| 6 | <input type="checkbox"/> | 50000.000 | 53881.971  | 2742230.88  | 45.2828  | A    | 3.1  |
| 7 | <input type="checkbox"/> | 100000.00 | 103248.24  | 5175294.39  | 86.7679  | A    | 0.9  |
| 8 | <input type="checkbox"/> | 500000.00 | 498834.19  | 26465789.65 | 419.1999 | A    | 1.5  |

$$y = 8.4035\text{E-}004 * x + 0.0029$$

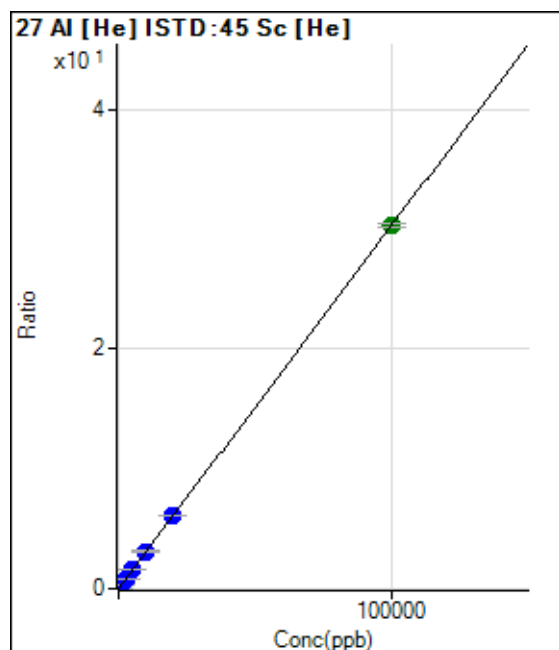
$$R = 1.0000$$

$$DL = 3.08$$

$$BEC = 3.416$$

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      | 391.12     | 0.0062  | P    | 14.2 |
| 2 | <input type="checkbox"/> | 20.000    | 19.932     | 766.70     | 0.0122  | P    | 5.9  |
| 3 | <input type="checkbox"/> | 1000.000  | 1021.217   | 19797.99   | 0.3153  | P    | 2.1  |
| 4 | <input type="checkbox"/> | 2500.000  | 2529.836   | 48290.92   | 0.7719  | P    | 1.3  |
| 5 | <input type="checkbox"/> | 5000.000  | 5059.949   | 94932.77   | 1.5376  | P    | 1.2  |
| 6 | <input type="checkbox"/> | 10000.000 | 10284.171  | 188898.32  | 3.1187  | P    | 1.7  |
| 7 | <input type="checkbox"/> | 20000.000 | 20123.450  | 363628.65  | 6.0966  | P    | 0.5  |
| 8 | <input type="checkbox"/> | 100000.00 | 99942.937  | 1910081.07 | 30.2540 | A    | 1.0  |

$$y = 3.0265\text{E-}004 * x + 0.0062$$

$$R = 1.0000$$

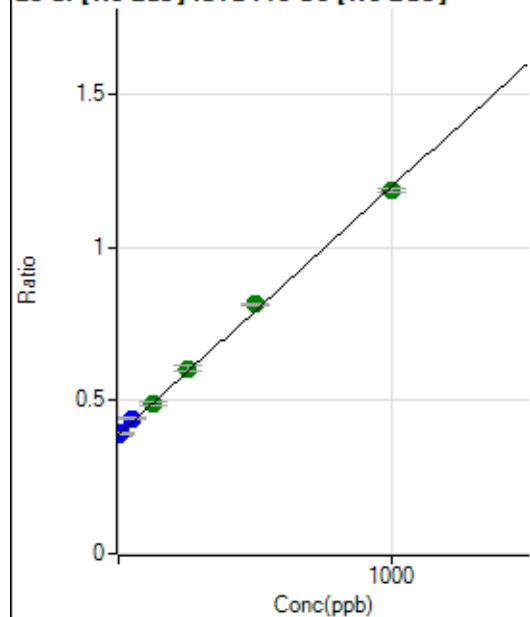
$$DL = 8.726$$

$$BEC = 20.54$$

Weight: <None>

Min Conc: 0

28 Si [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      | 660505.14  | 0.3884 | P        | 4.0 |
| 2 | <input type="checkbox"/> | 10.000   | 6.204      | 679477.08  | 0.3934 | P        | 1.2 |
| 3 | <input type="checkbox"/> | 50.000   | 63.869     | 768622.98  | 0.4401 | P        | 1.3 |
| 4 | <input type="checkbox"/> | 125.000  | 123.745    | 856163.80  | 0.4885 | A        | 1.6 |
| 5 | <input type="checkbox"/> | 250.000  | 268.010    | 1065010.50 | 0.6052 | A        | 2.9 |
| 6 | <input type="checkbox"/> | 500.000  | 524.532    | 1452921.76 | 0.8127 | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 982.733    | 1998619.60 | 1.1834 | A        | 1.2 |
| 8 | <input type="checkbox"/> |          |            | 783405.96  | 0.4331 | P        | 1.7 |

$$y = 8.0896E-004 * x + 0.3884$$

$$R = 0.9993$$

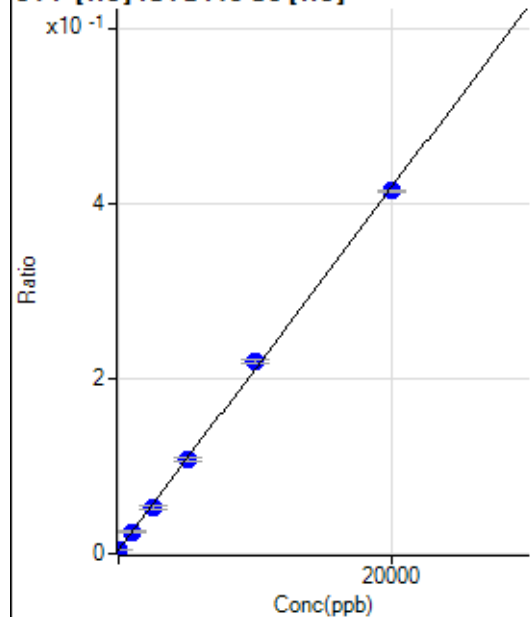
$$DL = 58.08$$

$$BEC = 480.1$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 4.769      | 277.79   | 0.0044 | P        | 8.4  |
| 2 | <input type="checkbox"/> | 0.000     | -4.769     | 263.90   | 0.0042 | P        | 11.3 |
| 3 | <input type="checkbox"/> | 1000.000  | 966.758    | 1527.90  | 0.0243 | P        | 8.7  |
| 4 | <input type="checkbox"/> | 2500.000  | 2379.394   | 3353.26  | 0.0536 | P        | 8.6  |
| 5 | <input type="checkbox"/> | 5000.000  | 4994.318   | 6654.47  | 0.1078 | P        | 3.9  |
| 6 | <input type="checkbox"/> | 10000.000 | 10403.513  | 13314.75 | 0.2198 | P        | 2.1  |
| 7 | <input type="checkbox"/> | 20000.000 | 19816.402  | 24741.07 | 0.4148 | P        | 0.6  |
| 8 | <input type="checkbox"/> |           |            | 216.67   | 0.0034 | P        | 0.5  |

$$y = 2.0716E-005 * x + 0.0043$$

$$R = 0.9997$$

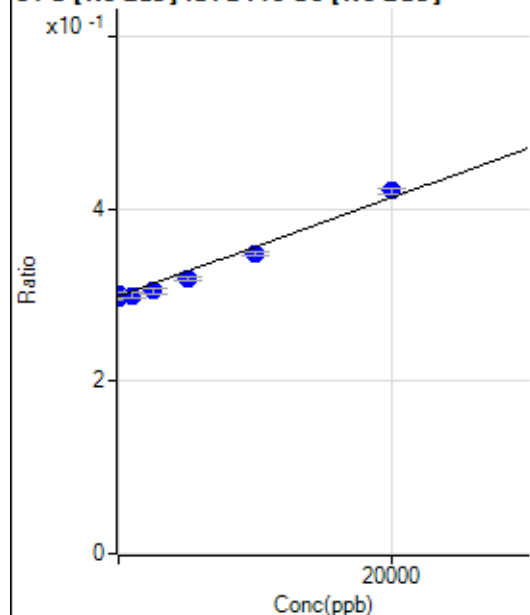
$$DL = 61.48$$

$$BEC = 208.4$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-----------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 364.228    | 512235.66 | 0.3012 | P        | 3.8 |
| 2 | <input type="checkbox"/> | 0.000     | -364.228   | 512991.16 | 0.2970 | P        | 1.3 |
| 3 | <input type="checkbox"/> | 1000.000  | 188.690    | 524294.31 | 0.3002 | P        | 1.8 |
| 4 | <input type="checkbox"/> | 2500.000  | 1090.127   | 535141.91 | 0.3054 | P        | 2.0 |
| 5 | <input type="checkbox"/> | 5000.000  | 3395.175   | 560653.54 | 0.3185 | P        | 1.5 |
| 6 | <input type="checkbox"/> | 10000.000 | 8570.361   | 622356.00 | 0.3482 | P        | 0.8 |
| 7 | <input type="checkbox"/> | 20000.000 | 21332.825  | 711320.45 | 0.4212 | P        | 1.5 |
| 8 | <input type="checkbox"/> |           |            | 485305.51 | 0.2683 | P        | 1.0 |

$$y = 5.7221\text{E-}006 * x + 0.2991$$

$$R = 0.9923$$

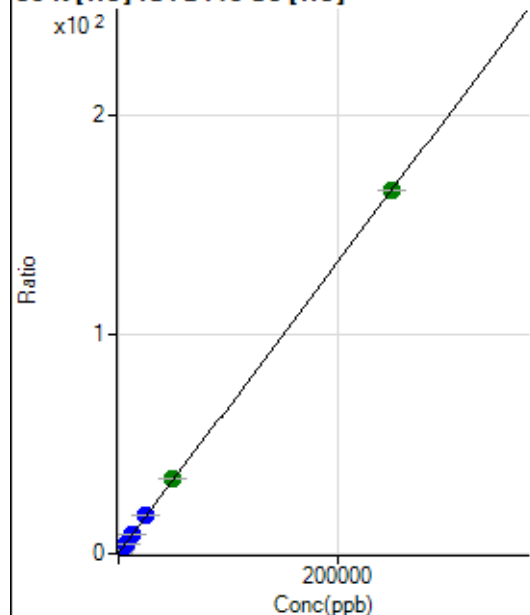
$$DL = 4062$$

$$BEC = 5.227\text{E}+04$$

Weight: &lt;None&gt;

Min Conc: 0

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      | 20222.94    | 0.3215   | P        | 2.0 |
| 2 | <input type="checkbox"/> | 500.000   | 551.520    | 42964.50    | 0.6865   | P        | 0.7 |
| 3 | <input type="checkbox"/> | 2500.000  | 2613.579   | 128813.37   | 2.0514   | P        | 1.8 |
| 4 | <input type="checkbox"/> | 6250.000  | 6477.578   | 288343.52   | 4.6089   | P        | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12947.801  | 548966.66   | 8.8915   | P        | 1.0 |
| 6 | <input type="checkbox"/> | 25000.000 | 26236.975  | 1071182.93  | 17.6875  | P        | 2.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 51033.670  | 2033713.85  | 34.1002  | A        | 1.6 |
| 8 | <input type="checkbox"/> | 250000.00 | 249640.25  | 10452675.41 | 165.5564 | A        | 0.0 |

$$y = 6.6189\text{E-}004 * x + 0.3215$$

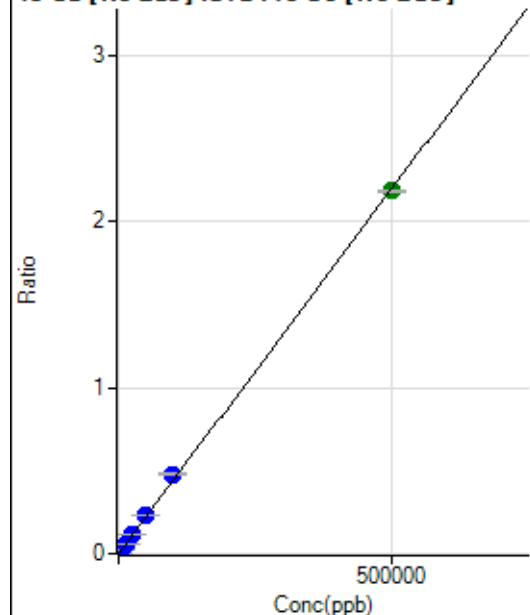
$$R = 1.0000$$

$$DL = 28.69$$

$$BEC = 485.7$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 386.13     | 0.0002 | P    | 24.0 |
| 2 | <input type="checkbox"/> | 500.000   | 573.307    | 4737.01    | 0.0027 | P    | 6.9  |
| 3 | <input type="checkbox"/> | 5000.000  | 5449.358   | 42167.95   | 0.0241 | P    | 2.0  |
| 4 | <input type="checkbox"/> | 12500.000 | 13624.651  | 105196.48  | 0.0600 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 25000.000 | 27139.290  | 210038.62  | 0.1193 | P    | 1.6  |
| 6 | <input type="checkbox"/> | 50000.000 | 53800.729  | 422493.83  | 0.2364 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 100000.00 | 109275.53  | 810391.33  | 0.4798 | P    | 0.8  |
| 8 | <input type="checkbox"/> | 500000.00 | 497625.17  | 3951236.37 | 2.1843 | A    | 0.3  |

$$y = 4.3889\text{E-}006 * x + 2.2816\text{E-}004$$

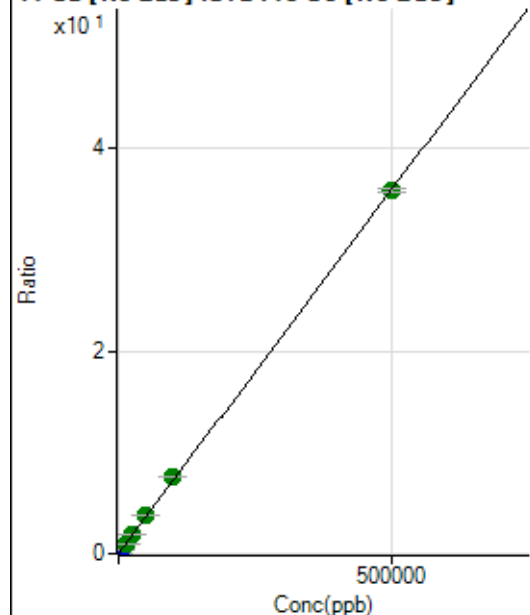
$$R = 0.9998$$

$$DL = 37.47$$

$$BEC = 51.98$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 22874.19    | 0.0134  | P    | 2.4 |
| 2 | <input type="checkbox"/> | 500.000   | 552.797    | 91700.16    | 0.0531  | P    | 0.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5424.023   | 702999.93   | 0.4025  | P    | 0.4 |
| 4 | <input type="checkbox"/> | 12500.000 | 13470.364  | 1716716.47  | 0.9796  | A    | 2.0 |
| 5 | <input type="checkbox"/> | 25000.000 | 26341.408  | 3349515.57  | 1.9027  | A    | 0.4 |
| 6 | <input type="checkbox"/> | 50000.000 | 52062.299  | 6698684.09  | 3.7475  | A    | 1.1 |
| 7 | <input type="checkbox"/> | 100000.00 | 105216.14  | 12768120.51 | 7.5598  | A    | 1.2 |
| 8 | <input type="checkbox"/> | 500000.00 | 498654.91  | 64719357.00 | 35.7780 | A    | 0.9 |

$$y = 7.1722\text{E-}005 * x + 0.0134$$

$$R = 0.9999$$

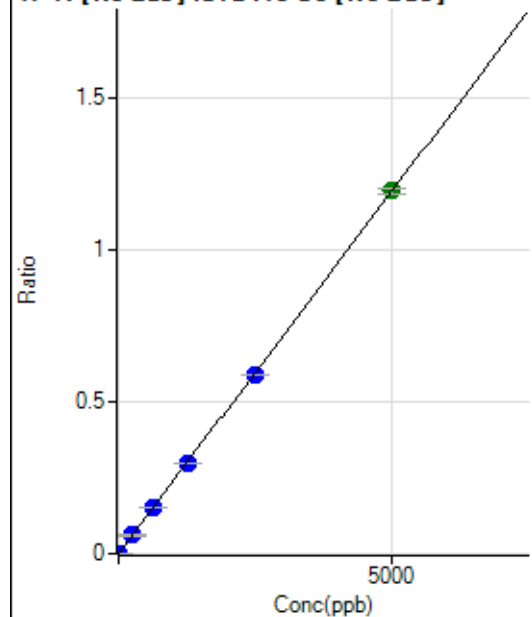
$$DL = 13.72$$

$$BEC = 187.5$$

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      | 502.80     | 0.0003 | P        | 4.4 |
| 2 | <input type="checkbox"/> | 5.000    | 5.232      | 2661.44    | 0.0015 | P        | 9.7 |
| 3 | <input type="checkbox"/> | 250.000  | 252.029    | 105354.86  | 0.0603 | P        | 1.2 |
| 4 | <input type="checkbox"/> | 625.000  | 632.799    | 264685.32  | 0.1510 | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1250.000 | 1251.025   | 524946.64  | 0.2982 | P        | 1.2 |
| 6 | <input type="checkbox"/> | 2500.000 | 2471.852   | 1052900.24 | 0.5890 | P        | 0.9 |
| 7 | <input type="checkbox"/> | 5000.000 | 5012.741   | 2016799.68 | 1.1942 | A        | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 919.50     | 0.0005 | P        | 7.2 |

$$y = 2.3817E-004 * x + 2.9509E-004$$

$$R = 1.0000$$

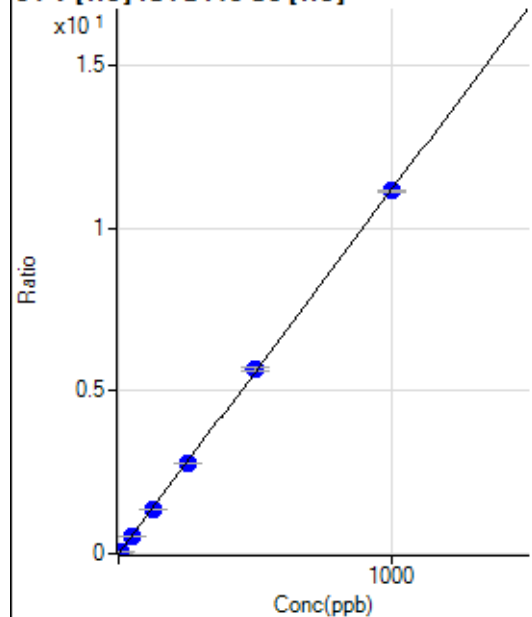
$$DL = 0.1643$$

$$BEC = 1.239$$

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      | 7.78      | 0.0001  | P        | 49.6 |
| 2 | <input type="checkbox"/> | 5.000    | 5.143      | 3603.83   | 0.0576  | P        | 0.1  |
| 3 | <input type="checkbox"/> | 50.000   | 49.473     | 34716.49  | 0.5528  | P        | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 123.908    | 86614.39  | 1.3844  | P        | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 248.471    | 171399.10 | 2.7761  | P        | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 506.260    | 342565.62 | 5.6561  | P        | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.414    | 664601.76 | 11.1434 | P        | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 277.78    | 0.0044  | P        | 13.8 |

$$y = 0.0112 * x + 1.2370E-004$$

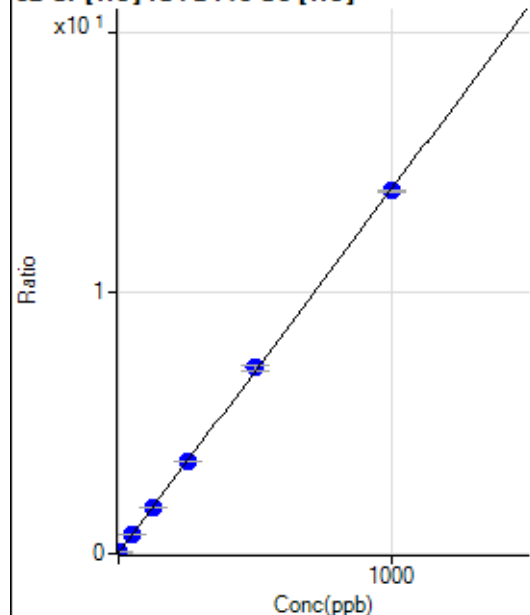
$$R = 1.0000$$

$$DL = 0.01648$$

$$BEC = 0.01107$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|-----------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1126.72   | 0.0179  | P   | 2.9 |
| 2 | <input type="checkbox"/> | 2.000    | 2.044      | 2905.88   | 0.0464  | P   | 3.3 |
| 3 | <input type="checkbox"/> | 50.000   | 49.765     | 44737.32  | 0.7124  | P   | 1.3 |
| 4 | <input type="checkbox"/> | 125.000  | 126.229    | 111332.27 | 1.7795  | P   | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 251.599    | 217893.00 | 3.5292  | P   | 1.0 |
| 6 | <input type="checkbox"/> | 500.000  | 508.573    | 430919.17 | 7.1155  | P   | 2.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 995.171    | 829386.02 | 13.9064 | P   | 0.8 |
| 8 | <input type="checkbox"/> |          |            | 24497.75  | 0.3880  | P   | 0.2 |

$$y = 0.0140 * x + 0.0179$$

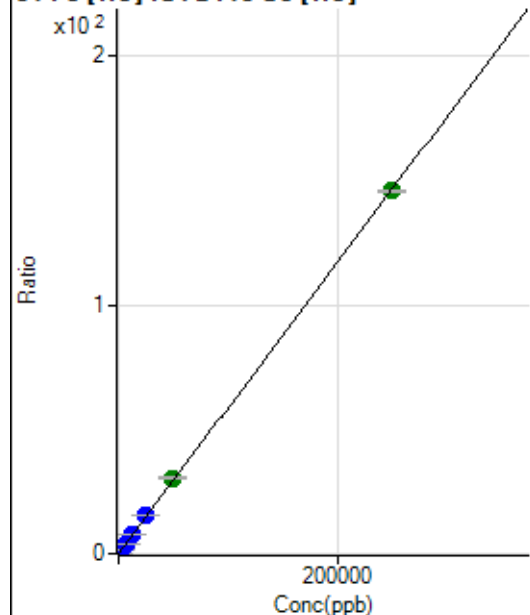
$$R = 0.9999$$

$$DL = 0.1112$$

$$BEC = 1.283$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 431.50     | 0.0069   | P   | 5.5 |
| 2 | <input type="checkbox"/> | 50.000    | 56.627     | 2502.11    | 0.0400   | P   | 1.1 |
| 3 | <input type="checkbox"/> | 2500.000  | 2583.606   | 95324.88   | 1.5180   | P   | 1.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6507.709   | 238568.03  | 3.8132   | P   | 0.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 13009.063  | 470204.58  | 7.6159   | P   | 1.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 26310.677  | 932452.07  | 15.3960  | P   | 2.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 51974.937  | 1813533.03 | 30.4071  | A   | 1.4 |
| 8 | <input type="checkbox"/> | 250000.00 | 249441.21  | 9212056.92 | 145.9053 | A   | 0.5 |

$$y = 5.8490E-004 * x + 0.0069$$

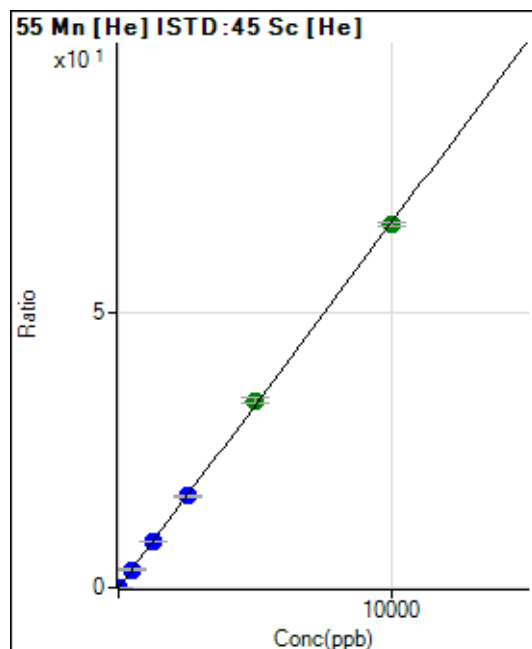
$$R = 1.0000$$

$$DL = 1.945$$

$$BEC = 11.73$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD |
|---|--------------------------|-----------|------------|------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 88.89      | 0.0014  | P        | 9.5 |
| 2 | <input type="checkbox"/> | 1.000     | 1.030      | 515.57     | 0.0082  | P        | 5.9 |
| 3 | <input type="checkbox"/> | 500.000   | 499.412    | 207858.17  | 3.3100  | P        | 0.9 |
| 4 | <input type="checkbox"/> | 1250.000  | 1254.084   | 519874.56  | 8.3096  | P        | 0.1 |
| 5 | <input type="checkbox"/> | 2500.000  | 2508.545   | 1026135.79 | 16.6203 | P        | 1.2 |
| 6 | <input type="checkbox"/> | 5000.000  | 5120.168   | 2054291.50 | 33.9221 | A        | 2.8 |
| 7 | <input type="checkbox"/> | 10000.000 | 9937.299   | 3926393.93 | 65.8351 | A        | 1.0 |
| 8 | <input type="checkbox"/> |           |            | 3989.48    | 0.0632  | P        | 1.7 |

$$y = 0.0066 * x + 0.0014$$

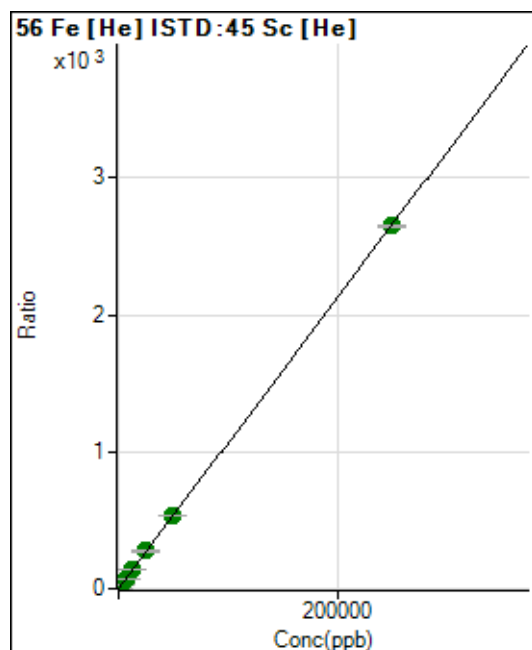
$$R = 0.9999$$

$$DL = 0.06092$$

$$BEC = 0.2133$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio     | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 2704.00     | 0.0430    | P        | 2.0 |
| 2 | <input type="checkbox"/> | 50.000    | 55.451     | 39486.27    | 0.6309    | P        | 1.3 |
| 3 | <input type="checkbox"/> | 2500.000  | 2589.132   | 1726595.73  | 27.4951   | A        | 1.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6383.053   | 4236761.70  | 67.7215   | A        | 0.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 12771.659  | 8363360.66  | 135.4588  | A        | 0.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 25999.604  | 16698919.12 | 275.7126  | A        | 1.9 |
| 7 | <input type="checkbox"/> | 50000.000 | 50718.735  | 32075845.39 | 537.8056  | A        | 0.7 |
| 8 | <input type="checkbox"/> | 250000.00 | 249738.49  | 167180929.6 | 2,647.979 | A        | 0.7 |

$$y = 0.0106 * x + 0.0430$$

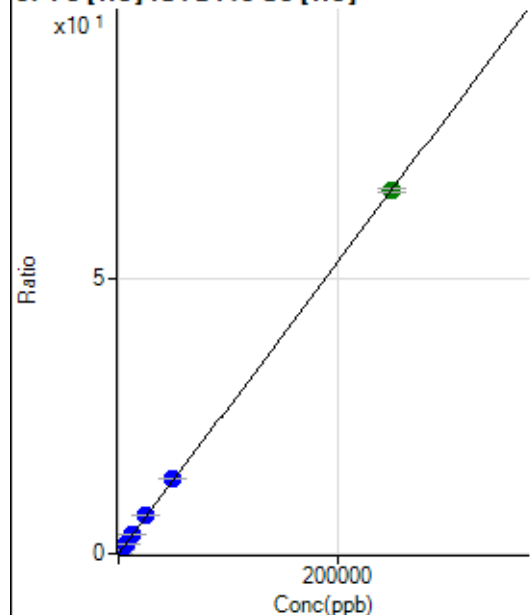
$$R = 1.0000$$

$$DL = 0.2426$$

$$BEC = 4.054$$

Weight: <None>

Min Conc: 0

**57 Fe [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      | 107.41     | 0.0017  | P    | 21.2 |
| 2 | <input type="checkbox"/> | 50.000    | 56.357     | 1038.95    | 0.0166  | P    | 6.9  |
| 3 | <input type="checkbox"/> | 2500.000  | 2535.540   | 42179.12   | 0.6716  | P    | 0.7  |
| 4 | <input type="checkbox"/> | 6250.000  | 6451.043   | 106740.23  | 1.7062  | P    | 0.9  |
| 5 | <input type="checkbox"/> | 12500.000 | 12978.773  | 211820.38  | 3.4309  | P    | 1.3  |
| 6 | <input type="checkbox"/> | 25000.000 | 26310.142  | 421105.81  | 6.9532  | P    | 2.3  |
| 7 | <input type="checkbox"/> | 50000.000 | 51321.286  | 808822.21  | 13.5615 | P    | 0.8  |
| 8 | <input type="checkbox"/> | 250000.00 | 249575.40  | 4163317.77 | 65.9430 | A    | 0.9  |

$$y = 2.6421\text{E-}004 * x + 0.0017$$

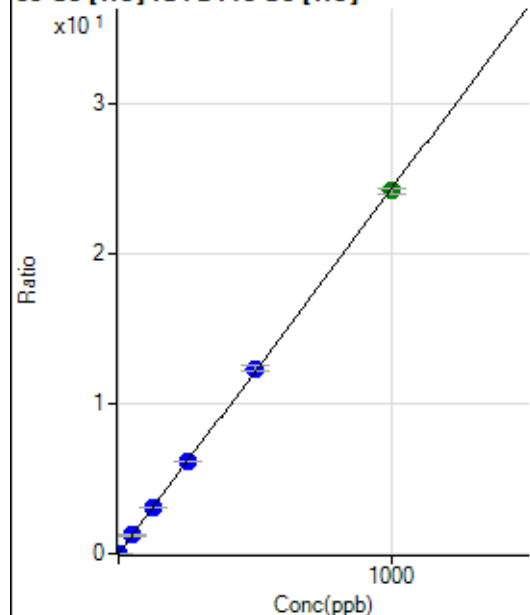
R = 1.0000

DL = 4.103

BEC = 6.465

Weight: &lt;None&gt;

Min Conc: 0

**59 Co [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      | 34.45      | 0.0005  | P    | 30.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.001      | 1557.88    | 0.0249  | P    | 1.7  |
| 3 | <input type="checkbox"/> | 50.000   | 50.601     | 77284.99   | 1.2308  | P    | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 126.254    | 192084.33  | 3.0702  | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 253.599    | 380717.02  | 6.1664  | P    | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 508.643    | 749009.81  | 12.3674 | P    | 2.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.592    | 1442185.15 | 24.1824 | A    | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 2753.63    | 0.0436  | P    | 0.9  |

$$y = 0.0243 * x + 5.4739\text{E-}004$$

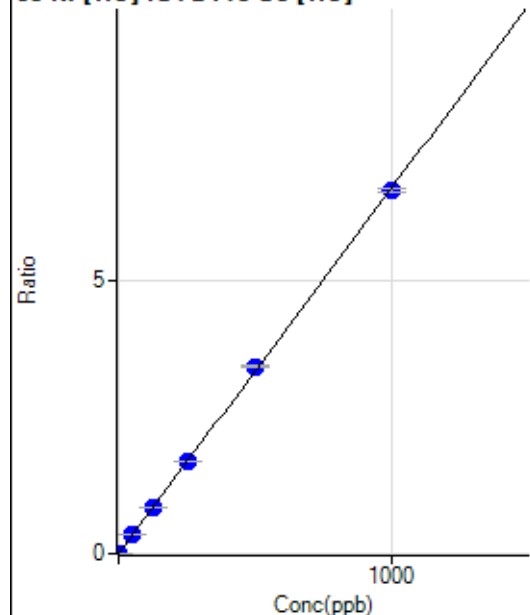
R = 0.9999

DL = 0.02088

BEC = 0.02251

Weight: &lt;None&gt;

Min Conc: 0

**60 Ni [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      | 57.78     | 0.0009 | P   | 20.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.101      | 518.90    | 0.0083 | P   | 5.7  |
| 3 | <input type="checkbox"/> | 50.000   | 50.544     | 21317.17  | 0.3395 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 126.714    | 53154.46  | 0.8496 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 251.100    | 103895.45 | 1.6828 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 512.999    | 208158.87 | 3.4369 | P   | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.984    | 396716.16 | 6.6518 | P   | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 7303.04   | 0.1157 | P   | 0.8  |

$$y = 0.0067 * x + 9.1876E-004$$

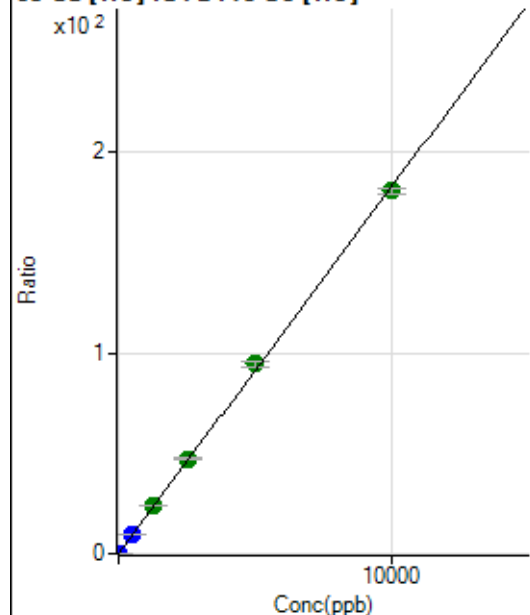
$$R = 0.9999$$

$$DL = 0.0844$$

$$BEC = 0.1372$$

Weight: &lt;None&gt;

Min Conc: 0

**63 Cu [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      | 345.57      | 0.0055   | P   | 14.5 |
| 2 | <input type="checkbox"/> | 2.000     | 2.120      | 2768.07     | 0.0442   | P   | 4.1  |
| 3 | <input type="checkbox"/> | 500.000   | 513.254    | 589312.81   | 9.3845   | P   | 1.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1300.369   | 1486974.61  | 23.7679  | A   | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2581.654   | 2912872.25  | 47.1815  | A   | 1.9  |
| 6 | <input type="checkbox"/> | 5000.000  | 5164.250   | 5715752.83  | 94.3748  | A   | 2.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 9890.503   | 10779206.09 | 180.7403 | A   | 1.3  |
| 8 | <input type="checkbox"/> |           |            | 5680.07     | 0.0900   | P   | 4.2  |

$$y = 0.0183 * x + 0.0055$$

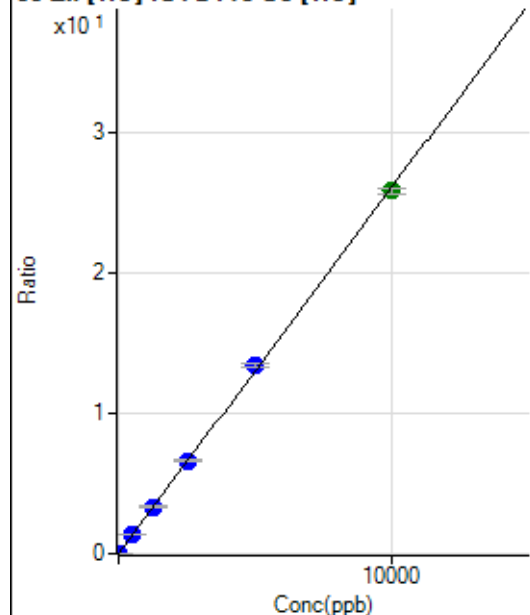
$$R = 0.9998$$

$$DL = 0.1305$$

$$BEC = 0.3006$$

Weight: &lt;None&gt;

Min Conc: 0

**66 Zn [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      | 134.45     | 0.0021  | P   | 10.2 |
| 2 | <input type="checkbox"/> | 2.000     | 2.496      | 540.02     | 0.0086  | P   | 4.9  |
| 3 | <input type="checkbox"/> | 500.000   | 508.759    | 83225.69   | 1.3253  | P   | 1.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1282.483   | 208811.46  | 3.3377  | P   | 0.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2547.876   | 409256.55  | 6.6287  | P   | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 5139.632   | 809676.45  | 13.3694 | P   | 2.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 9913.716   | 1537910.10 | 25.7860 | A   | 1.6  |
| 8 | <input type="checkbox"/> |           |            | 6043.57    | 0.0957  | P   | 3.0  |

$$y = 0.0026 * x + 0.0021$$

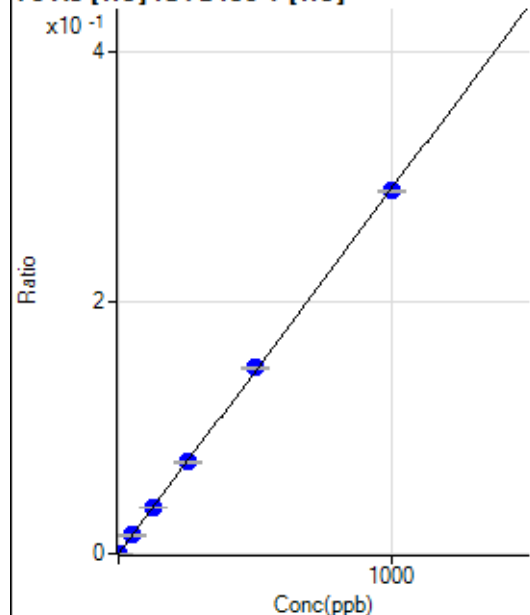
$$R = 0.9998$$

$$DL = 0.2508$$

$$BEC = 0.8216$$

Weight: &lt;None&gt;

Min Conc: 0

**75 As [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      | 2.33      | 0.0000 | P   | 49.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.057      | 126.34    | 0.0003 | P   | 7.0  |
| 3 | <input type="checkbox"/> | 50.000   | 50.069     | 5918.51   | 0.0146 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 126.799    | 15001.11  | 0.0369 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 250.000  | 250.805    | 29260.06  | 0.0729 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 510.669    | 58766.08  | 0.1485 | P   | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.236    | 113775.42 | 0.2891 | P   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 66.34     | 0.0002 | P   | 11.8 |

$$y = 2.9076E-004 * x + 5.7616E-006$$

$$R = 0.9999$$

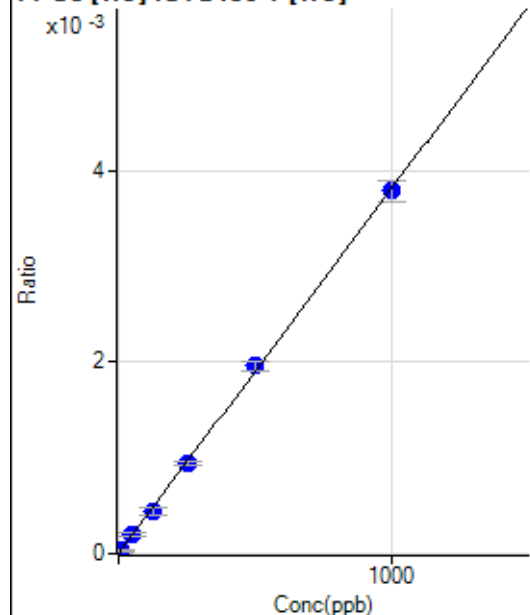
$$DL = 0.02945$$

$$BEC = 0.01982$$

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      | 1.11    | 0.0000 | P    | 173. |
| 2 | <input type="checkbox"/> | 5.000    | 7.256      | 12.22   | 0.0000 | P    | 41.9 |
| 3 | <input type="checkbox"/> | 50.000   | 51.800     | 81.11   | 0.0002 | P    | 22.9 |
| 4 | <input type="checkbox"/> | 125.000  | 114.958    | 178.89  | 0.0004 | P    | 16.0 |
| 5 | <input type="checkbox"/> | 250.000  | 246.918    | 377.79  | 0.0009 | P    | 5.9  |
| 6 | <input type="checkbox"/> | 500.000  | 515.531    | 776.70  | 0.0020 | P    | 4.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.159    | 1488.98 | 0.0038 | P    | 5.8  |
| 8 | <input type="checkbox"/> |          |            | 3.33    | 0.0000 | P    | 173. |

$$y = 3.8025\text{E-}006 * x + 2.7281\text{E-}006$$

$$R = 0.9998$$

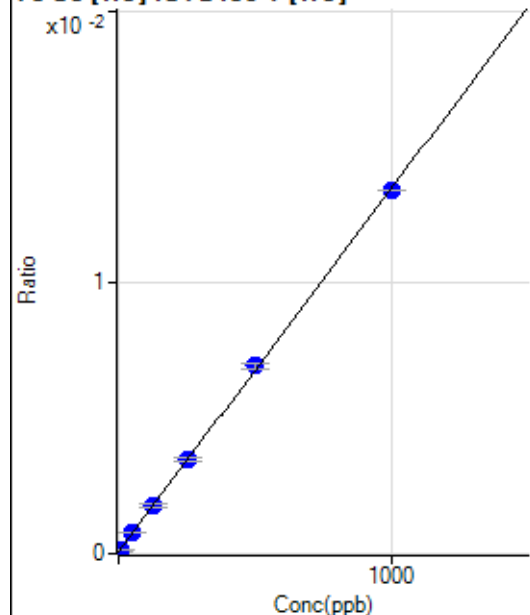
$$DL = 3.728$$

$$BEC = 0.7174$$

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      | 30.67   | 0.0001 | P    | 4.9 |
| 2 | <input type="checkbox"/> | 5.000    | 5.450      | 60.01   | 0.0001 | P    | 9.2 |
| 3 | <input type="checkbox"/> | 50.000   | 52.082     | 314.37  | 0.0008 | P    | 2.1 |
| 4 | <input type="checkbox"/> | 125.000  | 128.180    | 729.43  | 0.0018 | P    | 8.7 |
| 5 | <input type="checkbox"/> | 250.000  | 253.836    | 1395.21 | 0.0035 | P    | 3.6 |
| 6 | <input type="checkbox"/> | 500.000  | 510.967    | 2739.21 | 0.0069 | P    | 3.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 993.054    | 5266.85 | 0.0134 | P    | 0.1 |
| 8 | <input type="checkbox"/> |          |            | 31.00   | 0.0001 | P    | 6.8 |

$$y = 1.3400\text{E-}005 * x + 7.5700\text{E-}005$$

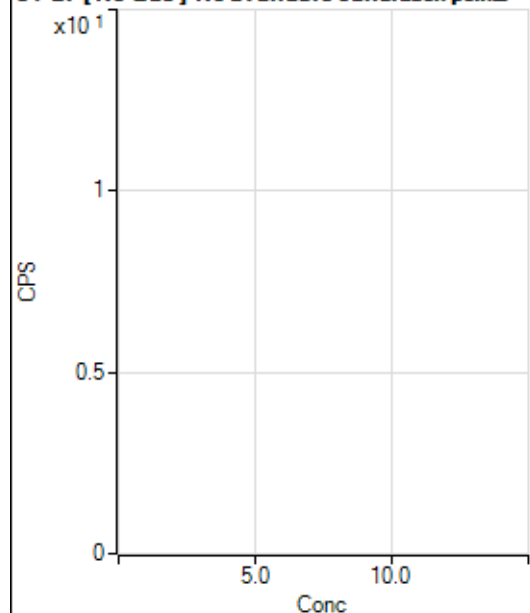
$$R = 0.9999$$

$$DL = 0.8335$$

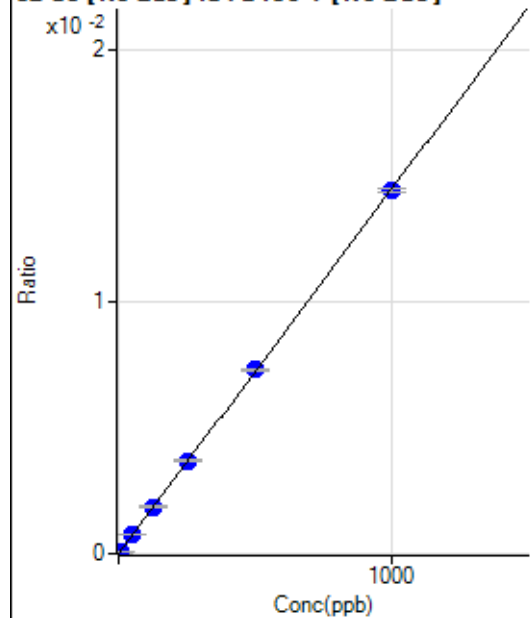
$$BEC = 5.649$$

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"/> |       |            | 1298.07 |       | P        | 2.4  |
| 2 | <input type="checkbox"/> |       |            | 1288.06 |       | P        | 11.6 |
| 3 | <input type="checkbox"/> |       |            | 1418.19 |       | P        | 3.9  |
| 4 | <input type="checkbox"/> |       |            | 1358.14 |       | P        | 12.2 |
| 5 | <input type="checkbox"/> |       |            | 1314.76 |       | P        | 2.3  |
| 6 | <input type="checkbox"/> |       |            | 1341.45 |       | P        | 13.5 |
| 7 | <input type="checkbox"/> |       |            | 1258.02 |       | P        | 16.3 |
| 8 | <input type="checkbox"/> |       |            | 1318.09 |       | P        | 15.8 |

**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      | -40.99   | 0.0000 | P        | -62. |
| 2 | <input type="checkbox"/> | 5.000    | 5.642      | 216.80   | 0.0001 | P        | 24.5 |
| 3 | <input type="checkbox"/> | 50.000   | 51.763     | 2327.72  | 0.0007 | P        | 4.5  |
| 4 | <input type="checkbox"/> | 125.000  | 128.342    | 5883.41  | 0.0018 | P        | 2.5  |
| 5 | <input type="checkbox"/> | 250.000  | 254.826    | 11846.08 | 0.0037 | P        | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 504.452    | 23558.89 | 0.0073 | P        | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.059    | 45016.16 | 0.0144 | P        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 58.97    | 0.0000 | P        | 65.8 |

$$y = 1.4474\text{E-}005 * x - 1.3291\text{E-}005$$

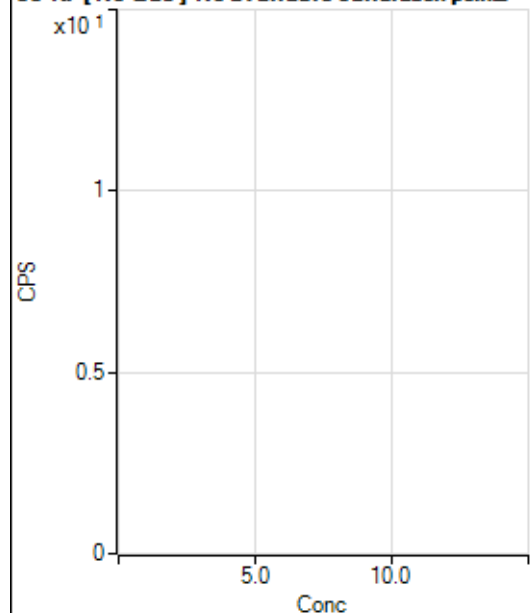
$$R = 1.0000$$

$$DL = 1.732$$

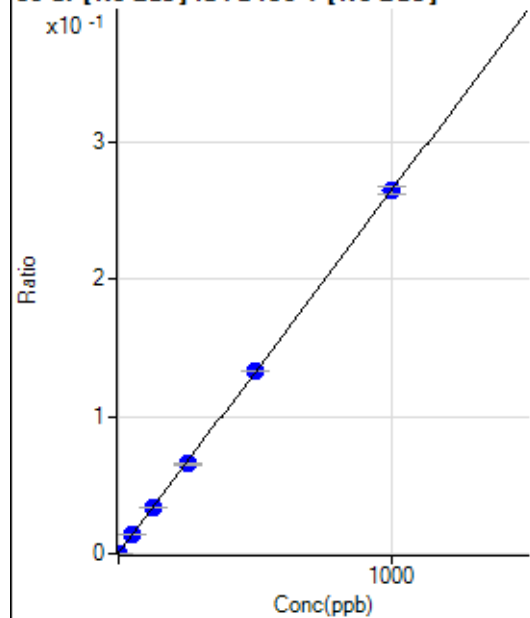
$$BEC = -0.9182$$

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"/> |       |            | 497.79 |       | P        | 7.0  |
| 2 | <input type="checkbox"/> |       |            | 506.68 |       | P        | 3.9  |
| 3 | <input type="checkbox"/> |       |            | 454.46 |       | P        | 4.3  |
| 4 | <input type="checkbox"/> |       |            | 471.12 |       | P        | 6.6  |
| 5 | <input type="checkbox"/> |       |            | 470.02 |       | P        | 1.9  |
| 6 | <input type="checkbox"/> |       |            | 424.46 |       | P        | 17.4 |
| 7 | <input type="checkbox"/> |       |            | 430.01 |       | P        | 10.4 |
| 8 | <input type="checkbox"/> |       |            | 423.35 |       | P        | 3.1  |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 688.93    | 0.0002 | P        | 21.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.105      | 1644.59   | 0.0005 | P        | 5.9  |
| 3 | <input type="checkbox"/> | 50.000   | 50.784     | 43228.40  | 0.0137 | P        | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 126.185    | 107279.44 | 0.0336 | P        | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 247.405    | 211784.92 | 0.0657 | P        | 1.9  |
| 6 | <input type="checkbox"/> | 500.000  | 502.505    | 430655.38 | 0.1332 | P        | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.209    | 827169.44 | 0.2647 | P        | 2.1  |
| 8 | <input type="checkbox"/> |          |            | 2630.88   | 0.0008 | P        | 3.9  |

$$y = 2.6468E-004 * x + 2.2586E-004$$

$$R = 1.0000$$

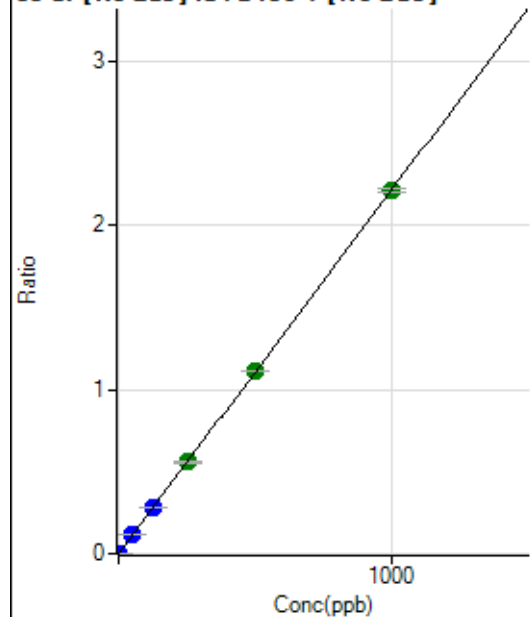
$$DL = 0.5499$$

$$BEC = 0.8533$$

Weight: &lt;None&gt;

Min Conc: 0

88 Sr [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      | 102.78     | 0.0000 | P   | 25.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.048      | 7480.02    | 0.0024 | P   | 1.9  |
| 3 | <input type="checkbox"/> | 50.000   | 51.633     | 362183.40  | 0.1145 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 128.684    | 910393.57  | 0.2853 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 252.327    | 1803295.24 | 0.5595 | A   | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 501.809    | 3596467.88 | 1.1126 | A   | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.972    | 6915289.74 | 2.2127 | A   | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 16042.95   | 0.0048 | P   | 2.3  |

$$y = 0.0022 * x + 3.3406E-005$$

$$R = 1.0000$$

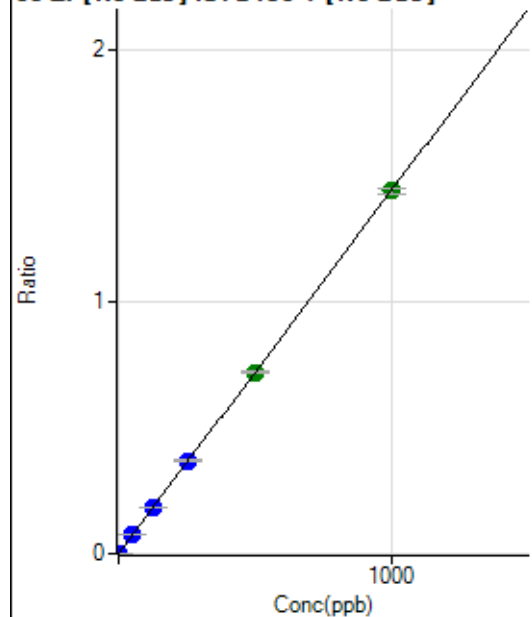
$$DL = 0.01145$$

$$BEC = 0.01507$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 175.00     | 0.0001 | P   | 8.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.864      | 4128.51    | 0.0013 | P   | 7.1 |
| 3 | <input type="checkbox"/> | 50.000   | 50.481     | 230108.07  | 0.0728 | P   | 0.6 |
| 4 | <input type="checkbox"/> | 125.000  | 128.456    | 590340.41  | 0.1850 | P   | 1.5 |
| 5 | <input type="checkbox"/> | 250.000  | 254.580    | 1181799.02 | 0.3667 | P   | 1.9 |
| 6 | <input type="checkbox"/> | 500.000  | 499.041    | 2323105.91 | 0.7187 | A   | 1.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 998.879    | 4495673.71 | 1.4385 | A   | 1.3 |
| 8 | <input type="checkbox"/> |          |            | 1525.12    | 0.0005 | P   | 0.9 |

$$y = 0.0014 * x + 5.7068E-005$$

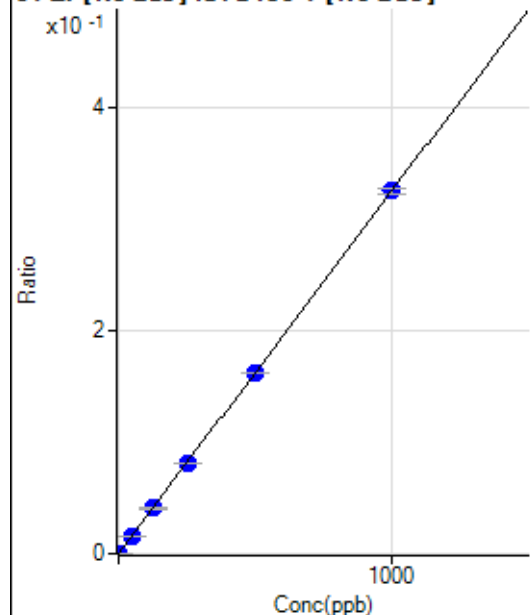
$$R = 1.0000$$

$$DL = 0.01045$$

$$BEC = 0.03963$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.00      | 0.0000 | P    | 32.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.842      | 891.72     | 0.0003 | P    | 9.1  |
| 3 | <input type="checkbox"/> | 50.000   | 49.933     | 51242.02   | 0.0162 | P    | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 125.537    | 129887.52  | 0.0407 | P    | 2.6  |
| 5 | <input type="checkbox"/> | 250.000  | 249.696    | 261026.84  | 0.0810 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 497.290    | 521316.48  | 0.1613 | P    | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.367   | 1014854.91 | 0.3247 | P    | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 344.46     | 0.0001 | P    | 13.1 |

$$y = 3.2429\text{E-}004 * x + 8.1760\text{E-}006$$

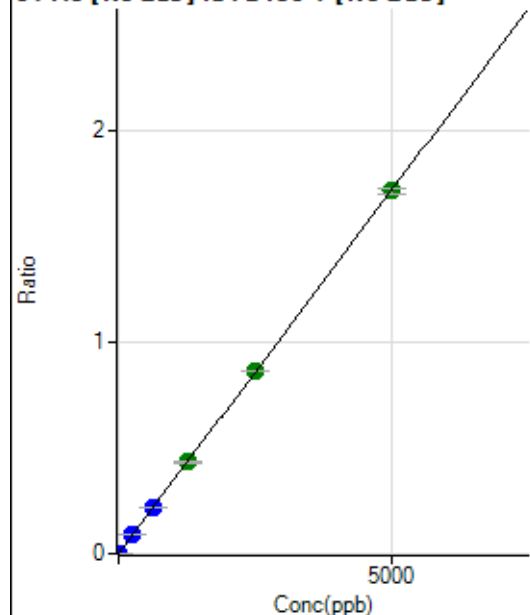
$$R = 1.0000$$

$$DL = 0.02462$$

$$BEC = 0.02521$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 77.78      | 0.0000 | P    | 36.0 |
| 2 | <input type="checkbox"/> | 5.000    | 5.011      | 5540.13    | 0.0017 | P    | 1.9  |
| 3 | <input type="checkbox"/> | 250.000  | 254.479    | 276492.82  | 0.0874 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 625.000  | 630.725    | 691086.27  | 0.2166 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 1250.000 | 1261.513   | 1396544.64 | 0.4333 | A    | 1.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2505.396   | 2781297.94 | 0.8604 | A    | 0.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 4993.484   | 5359410.89 | 1.7149 | A    | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 3783.94    | 0.0011 | P    | 3.7  |

$$y = 3.4342\text{E-}004 * x + 2.5635\text{E-}005$$

$$R = 1.0000$$

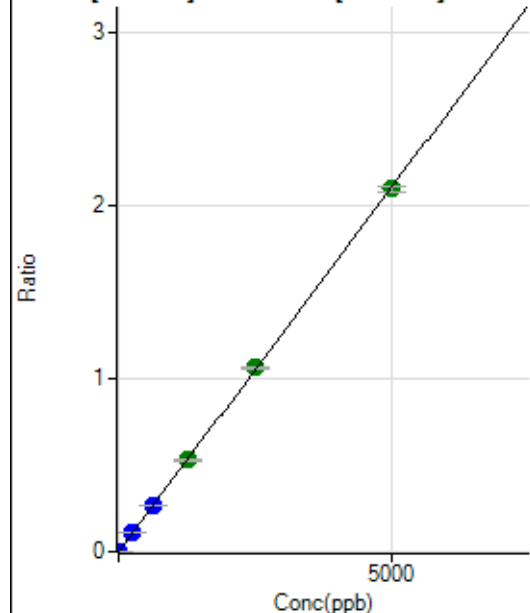
$$DL = 0.0806$$

$$BEC = 0.07465$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 30.56      | 0.0000 | P    | 76.8 |
| 2 | <input type="checkbox"/> | 5.000    | 5.238      | 7029.76    | 0.0022 | P    | 4.0  |
| 3 | <input type="checkbox"/> | 250.000  | 257.180    | 342636.55  | 0.1083 | P    | 0.5  |
| 4 | <input type="checkbox"/> | 625.000  | 636.922    | 855804.95  | 0.2683 | P    | 2.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1262.686   | 1714168.77 | 0.5318 | A    | 1.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2524.983   | 3437640.27 | 1.0635 | A    | 0.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4982.488   | 6558229.49 | 2.0985 | A    | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 5548.47    | 0.0016 | P    | 1.8  |

$$y = 4.2118\text{E-}004 * x + 9.9019\text{E-}006$$

$$R = 1.0000$$

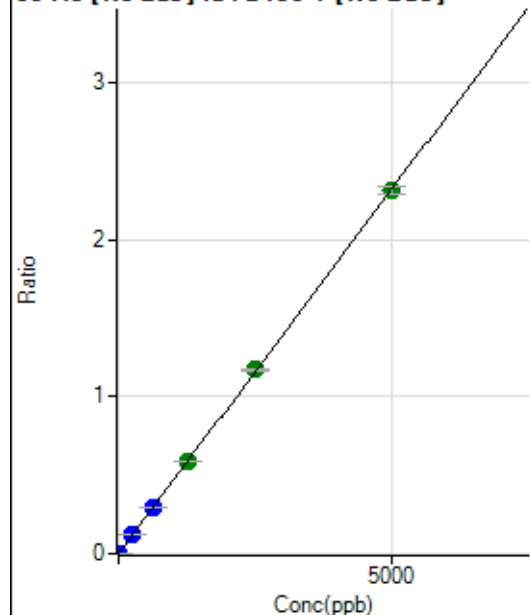
$$DL = 0.05416$$

$$BEC = 0.02351$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 13.89      | 0.0000 | P    | 90.0 |
| 2 | <input type="checkbox"/> | 5.000    | 5.367      | 7905.22    | 0.0025 | P    | 4.4  |
| 3 | <input type="checkbox"/> | 250.000  | 258.563    | 379080.20  | 0.1199 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 625.000  | 639.743    | 946055.23  | 0.2965 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1266.374   | 1891921.44 | 0.5870 | A    | 1.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2524.982   | 3783114.28 | 1.1704 | A    | 0.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4981.144   | 7215182.89 | 2.3088 | A    | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 6243.23    | 0.0018 | P    | 4.1  |

$$y = 4.6352\text{E-}004 * x + 4.5600\text{E-}006$$

$$R = 1.0000$$

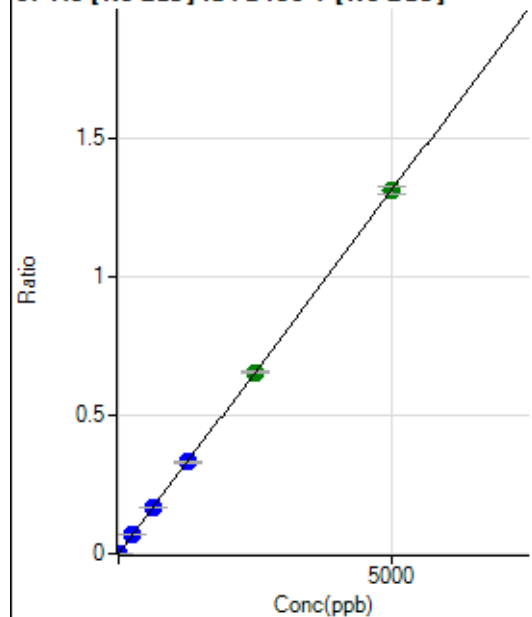
$$DL = 0.02657$$

$$BEC = 0.009838$$

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      | 22.22      | 0.0000 | P    | 56.7 |
| 2 | <input type="checkbox"/> | 5.000    | 5.310      | 4439.73    | 0.0014 | P    | 2.1  |
| 3 | <input type="checkbox"/> | 250.000  | 252.856    | 209717.99  | 0.0663 | P    | 0.3  |
| 4 | <input type="checkbox"/> | 625.000  | 630.381    | 527296.55  | 0.1653 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 1250.000 | 1261.094   | 1065762.40 | 0.3307 | P    | 1.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2499.530   | 2118445.47 | 0.6554 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4996.646   | 4094413.72 | 1.3101 | A    | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 3639.47    | 0.0011 | P    | 2.1  |

$$y = 2.6220\text{E-}004 * x + 7.2869\text{E-}006$$

$$R = 1.0000$$

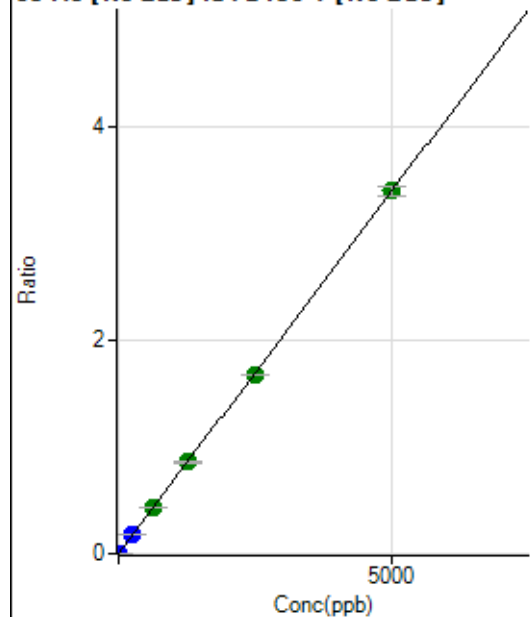
$$DL = 0.04725$$

$$BEC = 0.02779$$

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      | 11.11       | 0.0000 | P    | 47.9 |
| 2 | <input type="checkbox"/> | 5.000    | 5.445      | 11727.45    | 0.0037 | P    | 0.8  |
| 3 | <input type="checkbox"/> | 250.000  | 253.108    | 542891.48   | 0.1716 | P    | 0.4  |
| 4 | <input type="checkbox"/> | 625.000  | 634.936    | 1373691.03  | 0.4306 | A    | 1.7  |
| 5 | <input type="checkbox"/> | 1250.000 | 1272.276   | 2780807.03  | 0.8628 | A    | 1.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2471.009   | 5416629.29  | 1.6757 | A    | 0.6  |
| 7 | <input type="checkbox"/> | 5000.000 | 5007.529   | 10611421.94 | 3.3958 | A    | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 8908.65     | 0.0026 | P    | 2.7  |

$$y = 6.7813\text{E-}004 * x + 3.6791\text{E-}006$$

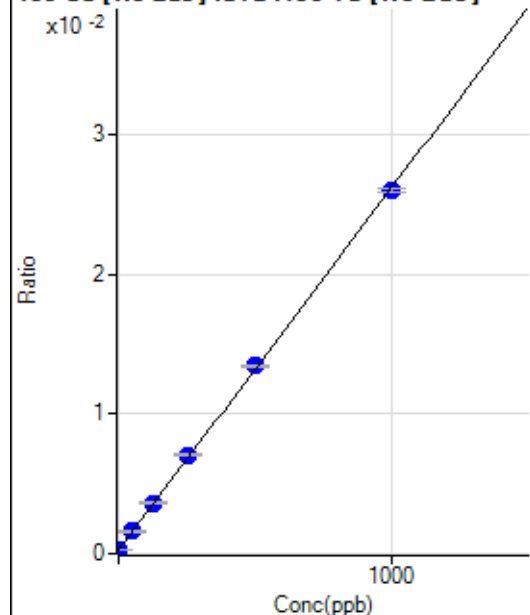
$$R = 1.0000$$

$$DL = 0.007804$$

$$BEC = 0.005425$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 638.92   | 0.0003 | P    | 3.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.821      | 775.04   | 0.0003 | P    | 7.0 |
| 3 | <input type="checkbox"/> | 50.000   | 51.892     | 4131.29  | 0.0016 | P    | 5.9 |
| 4 | <input type="checkbox"/> | 125.000  | 130.447    | 9361.77  | 0.0036 | P    | 2.5 |
| 5 | <input type="checkbox"/> | 250.000  | 263.158    | 18579.64 | 0.0071 | P    | 1.6 |
| 6 | <input type="checkbox"/> | 500.000  | 508.046    | 35473.93 | 0.0134 | P    | 1.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 991.911    | 67141.18 | 0.0260 | P    | 1.2 |
| 8 | <input type="checkbox"/> |          |            | 758.38   | 0.0003 | P    | 7.9 |

$$y = 2.5952E-005 * x + 2.5678E-004$$

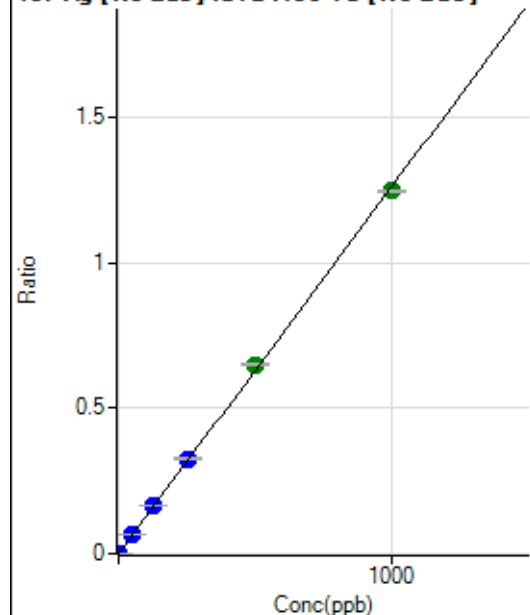
R = 0.9999

DL = 1.052

BEC = 9.895

Weight: &lt;None&gt;

Min Conc: 0

**107 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      | 25.00      | 0.0000 | P    | 34.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.959      | 3100.43    | 0.0012 | P    | 2.4  |
| 3 | <input type="checkbox"/> | 50.000   | 52.110     | 168936.41  | 0.0656 | P    | 0.1  |
| 4 | <input type="checkbox"/> | 125.000  | 130.421    | 421910.66  | 0.1642 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 259.003    | 854708.44  | 0.3260 | P    | 1.6  |
| 6 | <input type="checkbox"/> | 500.000  | 514.780    | 1709788.19 | 0.6479 | A    | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.576    | 3216337.21 | 1.2455 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 991.73     | 0.0004 | P    | 9.7  |

$$y = 0.0013 * x + 1.0109E-005$$

R = 0.9998

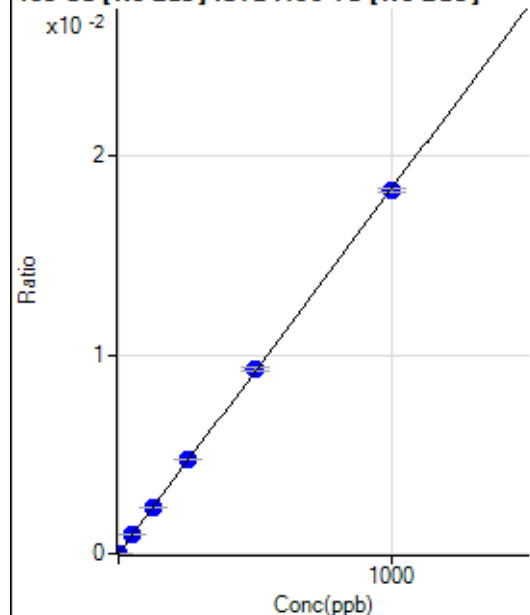
DL = 0.008259

BEC = 0.008032

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      | 5.56     | 0.0000 | P    | 42.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.009      | 52.78    | 0.0000 | P    | 43.6 |
| 3 | <input type="checkbox"/> | 50.000   | 53.252     | 2519.71  | 0.0010 | P    | 5.0  |
| 4 | <input type="checkbox"/> | 125.000  | 126.854    | 5983.31  | 0.0023 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 257.681    | 12393.16 | 0.0047 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 506.685    | 24520.56 | 0.0093 | P    | 2.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.343    | 47081.42 | 0.0182 | P    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 23.61    | 0.0000 | P    | 26.8 |

$$y = 1.8333\text{E-}005 * x + 2.2343\text{E-}006$$

$$R = 0.9999$$

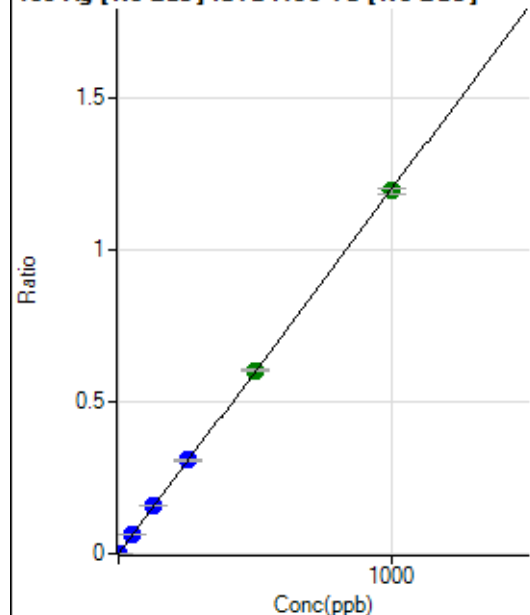
$$DL = 0.1558$$

$$BEC = 0.1219$$

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      | 11.11      | 0.0000 | P    | 113. |
| 2 | <input type="checkbox"/> | 1.000    | 0.979      | 3005.97    | 0.0012 | P    | 5.8  |
| 3 | <input type="checkbox"/> | 50.000   | 51.480     | 159155.70  | 0.0618 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 130.685    | 403244.58  | 0.1569 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 256.035    | 805864.04  | 0.3074 | P    | 1.9  |
| 6 | <input type="checkbox"/> | 500.000  | 503.745    | 1595889.67 | 0.6047 | A    | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.834    | 3087087.68 | 1.1954 | A    | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 950.06     | 0.0004 | P    | 1.6  |

$$y = 0.0012 * x + 4.3287\text{E-}006$$

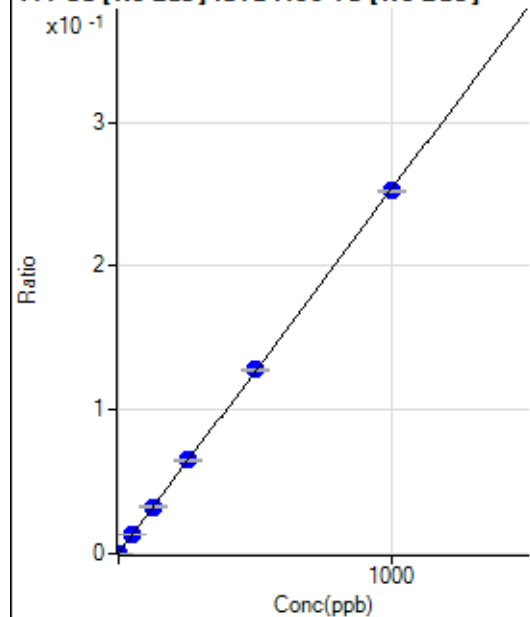
$$R = 1.0000$$

$$DL = 0.01226$$

$$BEC = 0.003606$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 450.30    | 0.0002 | P        | 3.9  |
| 2 | <input type="checkbox"/> | 1.000    | 1.068      | 1150.05   | 0.0005 | P        | 8.2  |
| 3 | <input type="checkbox"/> | 50.000   | 51.154     | 33814.17  | 0.0131 | P        | 1.6  |
| 4 | <input type="checkbox"/> | 125.000  | 127.937    | 83690.40  | 0.0326 | P        | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 256.150    | 170454.46 | 0.0650 | P        | 1.9  |
| 6 | <input type="checkbox"/> | 500.000  | 504.989    | 337774.06 | 0.1280 | P        | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.543    | 651162.89 | 0.2521 | P        | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 671.28    | 0.0002 | P        | 13.1 |

$$y = 2.5310E-004 * x + 1.8095E-004$$

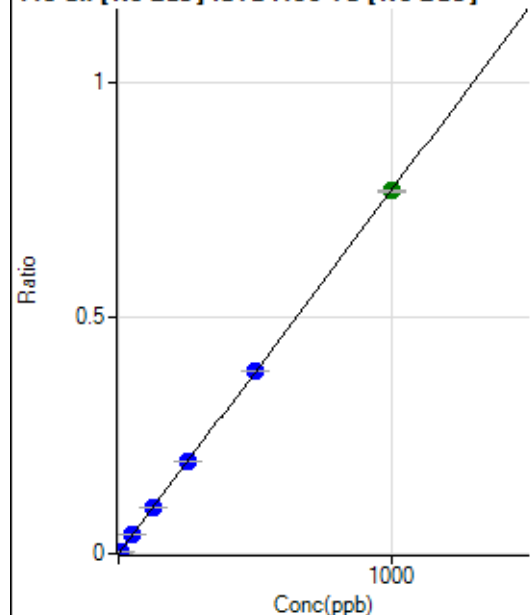
$$R = 1.0000$$

$$DL = 0.08385$$

$$BEC = 0.715$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 219.45     | 0.0001 | P        | 31.3 |
| 2 | <input type="checkbox"/> | 5.000    | 5.073      | 10184.61   | 0.0040 | P        | 5.0  |
| 3 | <input type="checkbox"/> | 50.000   | 50.999     | 101415.40  | 0.0394 | P        | 1.4  |
| 4 | <input type="checkbox"/> | 125.000  | 126.420    | 250562.28  | 0.0975 | P        | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 252.922    | 511171.38  | 0.1949 | P        | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 501.725    | 1020365.63 | 0.3866 | P        | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.179    | 1986254.95 | 0.7691 | A        | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 1550.13    | 0.0006 | P        | 8.7  |

$$y = 7.7044E-004 * x + 8.8133E-005$$

$$R = 1.0000$$

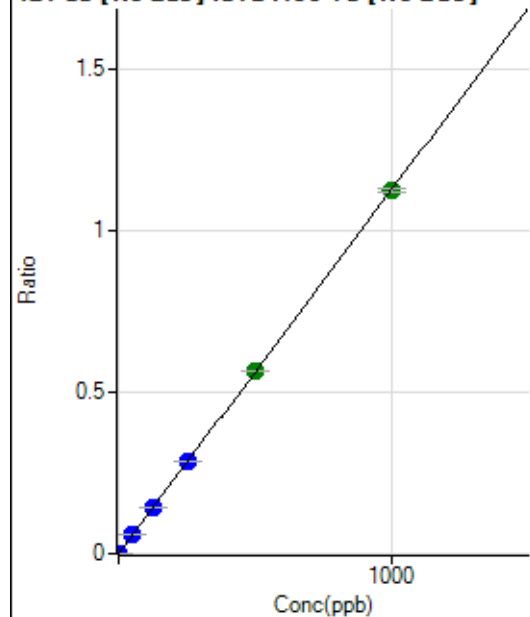
$$DL = 0.1074$$

$$BEC = 0.1144$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 22.22      | 0.0000 | P   | 54.5 |
| 2 | <input type="checkbox"/> | 2.000    | 2.040      | 5873.65    | 0.0023 | P   | 4.4  |
| 3 | <input type="checkbox"/> | 50.000   | 51.030     | 147991.60  | 0.0575 | P   | 0.3  |
| 4 | <input type="checkbox"/> | 125.000  | 128.671    | 372376.52  | 0.1449 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 253.840    | 749360.59  | 0.2858 | P   | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 502.220    | 1492205.61 | 0.5654 | A   | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.420    | 2899992.43 | 1.1230 | A   | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 2272.48    | 0.0008 | P   | 2.7  |

$$y = 0.0011 * x + 8.7959E-006$$

$$R = 1.0000$$

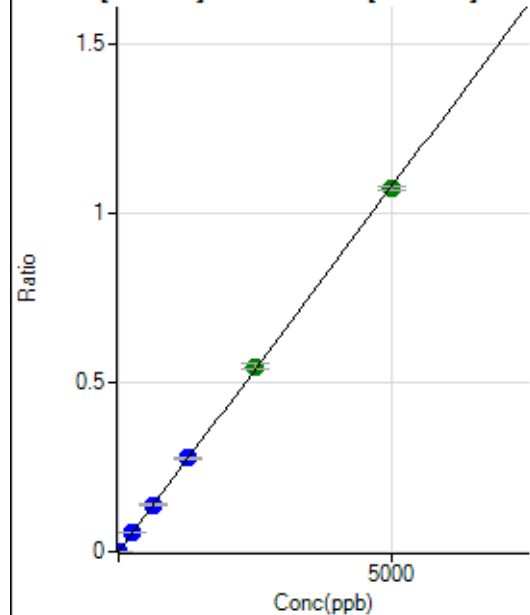
$$DL = 0.01276$$

$$BEC = 0.007813$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 27.78      | 0.0000 | P   | 45.8 |
| 2 | <input type="checkbox"/> | 10.000   | 10.774     | 5959.80    | 0.0023 | P   | 4.5  |
| 3 | <input type="checkbox"/> | 250.000  | 255.881    | 142376.02  | 0.0553 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 625.000  | 644.798    | 358012.76  | 0.1393 | P   | 1.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1280.029   | 724980.98  | 0.2765 | P   | 1.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2540.024   | 1447854.19 | 0.5487 | A   | 2.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4969.710   | 2772285.06 | 1.0735 | A   | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 5701.36    | 0.0021 | P   | 3.9  |

$$y = 2.1601E-004 * x + 1.1221E-005$$

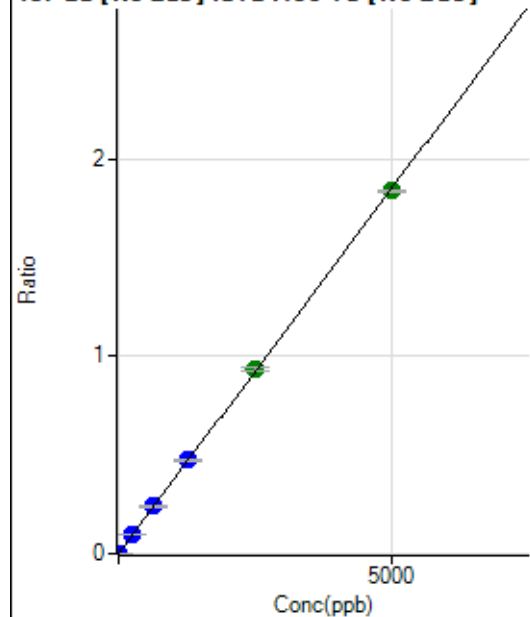
$$R = 0.9999$$

$$DL = 0.0714$$

$$BEC = 0.05195$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 33.33      | 0.0000 | P    | 46.4 |
| 2 | <input type="checkbox"/> | 10.000   | 10.648     | 10062.31   | 0.0039 | P    | 4.8  |
| 3 | <input type="checkbox"/> | 250.000  | 258.481    | 246087.30  | 0.0956 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 625.000  | 646.300    | 614047.96  | 0.2389 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1285.048   | 1245456.86 | 0.4750 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 2500.000 | 2532.993   | 2470797.48 | 0.9363 | A    | 2.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 4971.653   | 4745784.05 | 1.8377 | A    | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 10029.02   | 0.0037 | P    | 1.4  |

$$y = 3.6963E-004 * x + 1.3227E-005$$

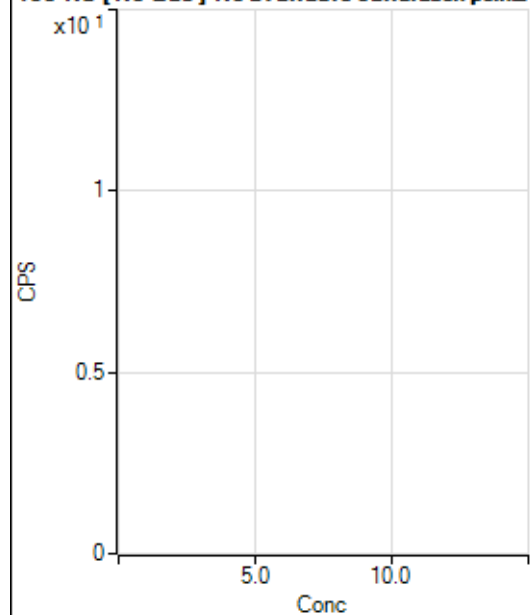
$$R = 0.9999$$

$$DL = 0.04979$$

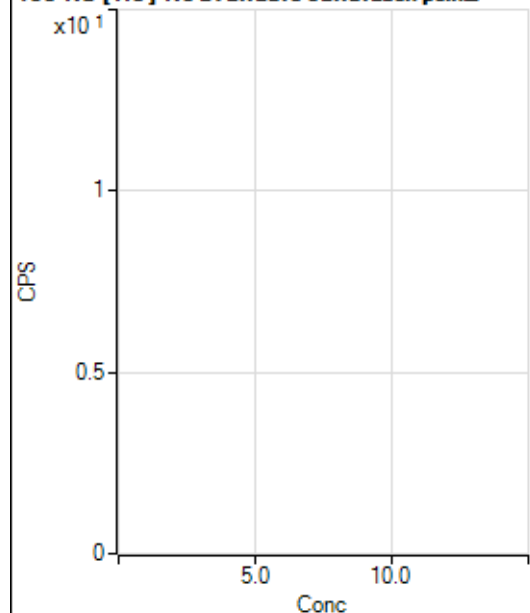
$$BEC = 0.03578$$

Weight: &lt;None&gt;

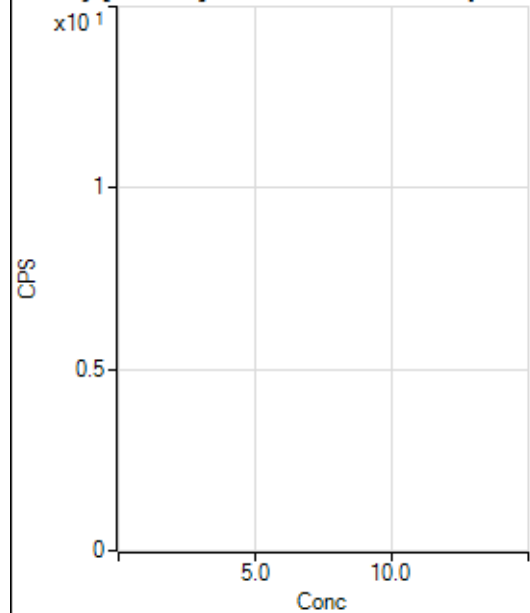
Min Conc: 0

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

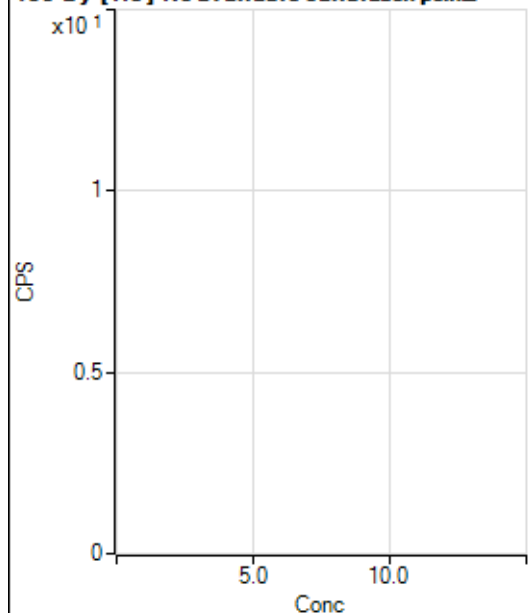
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|-------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 13.33 |       | P    | 50.0 |
| 2 | <input type="checkbox"/> |       |            | 8.89  |       | P    | 114. |
| 3 | <input type="checkbox"/> |       |            | 15.56 |       | P    | 65.5 |
| 4 | <input type="checkbox"/> |       |            | 8.89  |       | P    | 43.3 |
| 5 | <input type="checkbox"/> |       |            | 31.11 |       | P    | 32.7 |
| 6 | <input type="checkbox"/> |       |            | 33.34 |       | P    | 34.6 |
| 7 | <input type="checkbox"/> |       |            | 73.33 |       | P    | 18.2 |
| 8 | <input type="checkbox"/> |       |            | 22.22 |       | P    | 62.4 |

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

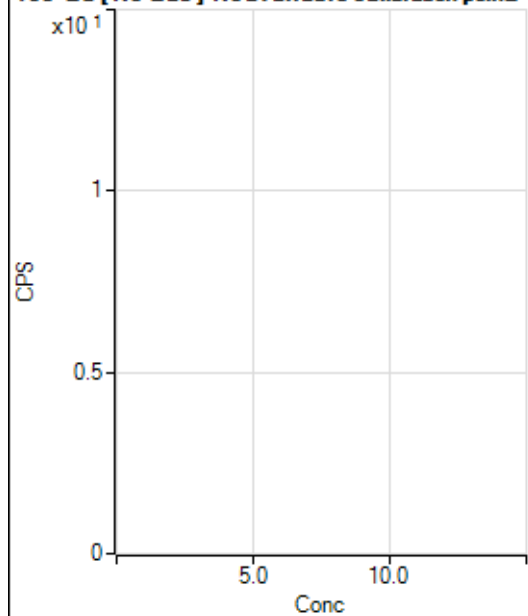
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 5 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 50.0 |
| 6 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 114. |
| 7 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 99.0 |
| 8 | <input type="checkbox"/> |       |            | 17.78 |       | P        | 78.1 |

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

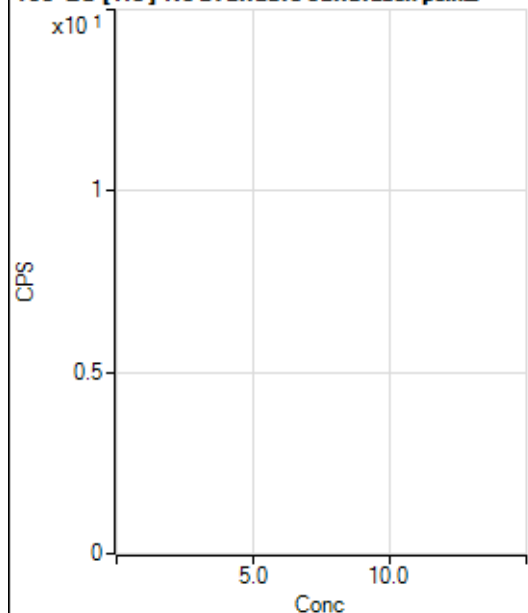
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 8.33   |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 8.33   |       | P        | 0.0  |
| 3 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 100. |
| 4 | <input type="checkbox"/> |       |            | 2.78   |       | P        | 173. |
| 5 | <input type="checkbox"/> |       |            | 30.55  |       | P        | 68.6 |
| 6 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 75.5 |
| 7 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 60.6 |
| 8 | <input type="checkbox"/> |       |            | 166.67 |       | P        | 5.0  |

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

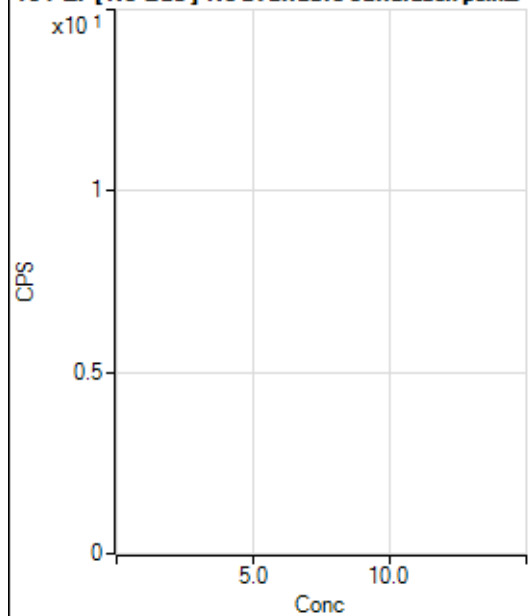
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 5 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 120. |
| 6 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 69.3 |
| 7 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 53.9 |
| 8 | <input type="checkbox"/> |       |            | 91.11 |       | P        | 24.9 |

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

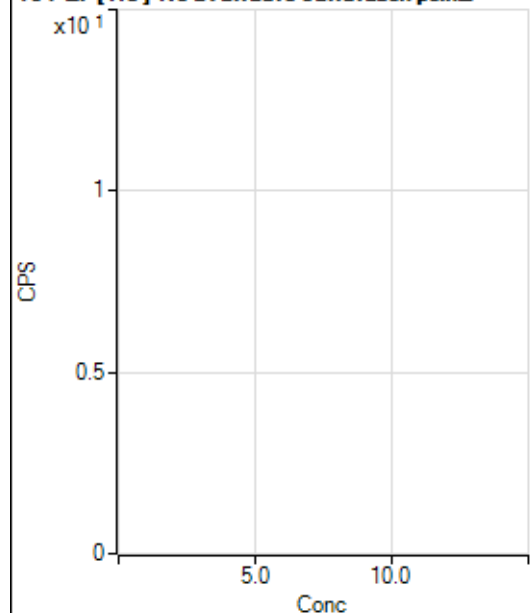
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 0.0  |
| 2 | <input type="checkbox"/> |       |            | 19.44  |       | P        | 49.5 |
| 3 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 50.0 |
| 4 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 66.2 |
| 5 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 88.2 |
| 6 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 50.0 |
| 7 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 28.4 |
| 8 | <input type="checkbox"/> |       |            | 155.56 |       | P        | 35.7 |

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

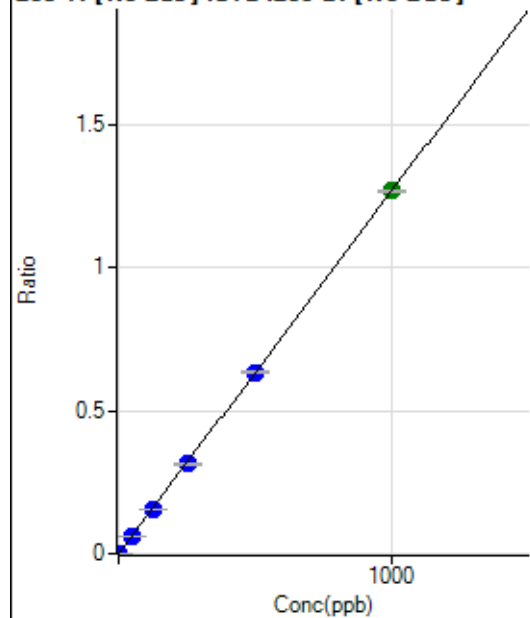
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 41.7 |
| 2 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 43.4 |
| 3 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 68.7 |
| 4 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 0.0  |
| 5 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 91.7 |
| 6 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 41.7 |
| 7 | <input type="checkbox"/> |       |            | 24.45  |       | P        | 15.8 |
| 8 | <input type="checkbox"/> |       |            | 105.56 |       | P        | 14.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 132. |
| 2 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 19.44 |       | P        | 65.5 |
| 4 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 132. |
| 5 | <input type="checkbox"/> |       |            | 8.33  |       | P        | 173. |
| 6 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 21.6 |
| 7 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 62.5 |
| 8 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 66.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 78.1 |
| 2 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 43.4 |
| 3 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 50.0 |
| 4 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 0.0  |
| 5 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 78.1 |
| 6 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 21.6 |
| 7 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 62.5 |
| 8 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 41.7 |

**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      | 16.67      | 0.0000 | P        | 49.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.953      | 1761.28    | 0.0012 | P        | 8.5  |
| 3 | <input type="checkbox"/> | 50.000   | 49.674     | 92504.10   | 0.0628 | P        | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 124.101    | 231503.61  | 0.1570 | P        | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 247.384    | 469956.47  | 0.3129 | P        | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 499.261    | 944615.41  | 0.6315 | P        | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.152   | 1832018.33 | 1.2664 | A        | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 1258.43    | 0.0009 | P        | 9.5  |

$$y = 0.0013 * x + 1.1841E-005$$

$$R = 1.0000$$

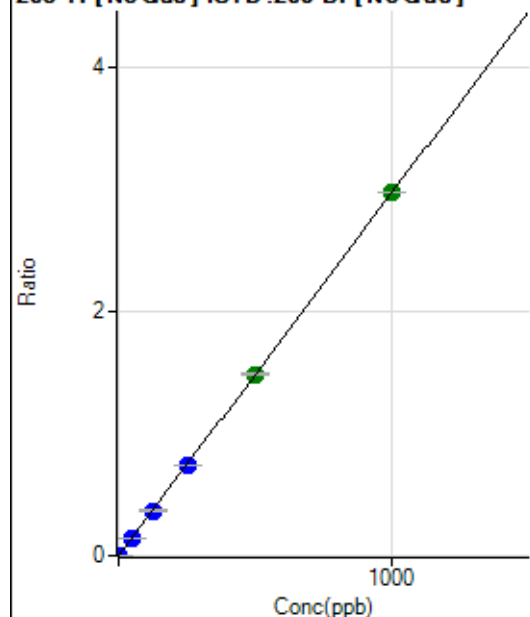
$$DL = 0.01391$$

$$BEC = 0.009361$$

Weight: &lt;None&gt;

Min Conc: 0

205 Tl [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      | 33.34      | 0.0000 | P   | 41.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.018      | 4411.98    | 0.0031 | P   | 1.5  |
| 3 | <input type="checkbox"/> | 50.000   | 49.428     | 216298.04  | 0.1469 | P   | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 124.505    | 545738.57  | 0.3701 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 247.244    | 1103671.58 | 0.7349 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 499.699    | 2221520.80 | 1.4853 | A   | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.930   | 4303918.50 | 2.9751 | A   | 0.1  |
| 8 | <input type="checkbox"/> |          |            | 3167.16    | 0.0022 | P   | 8.8  |

$$y = 0.0030 * x + 2.3405E-005$$

$$R = 1.0000$$

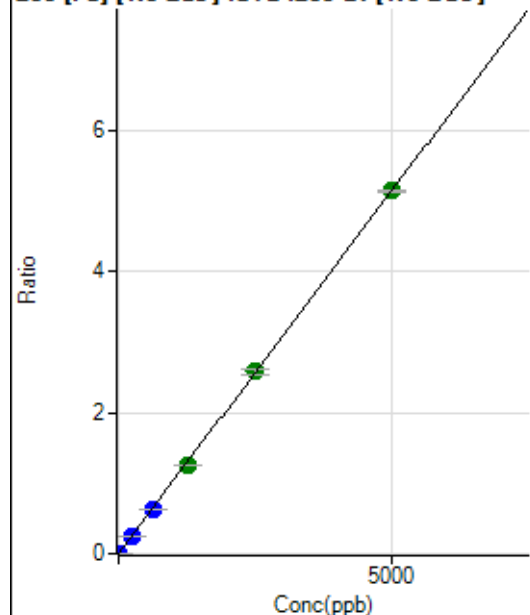
$$DL = 0.009705$$

$$BEC = 0.007874$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 325.94     | 0.0002 | P   | 16.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.980      | 1789.05    | 0.0012 | P   | 2.1  |
| 3 | <input type="checkbox"/> | 250.000  | 244.560    | 369820.33  | 0.2513 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 625.000  | 612.325    | 927152.59  | 0.6287 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1228.716   | 1894397.60 | 1.2614 | A   | 0.5  |
| 6 | <input type="checkbox"/> | 2500.000 | 2509.135   | 3852059.69 | 2.5757 | A   | 2.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 5002.610   | 7428305.95 | 5.1351 | A   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 8753.10    | 0.0060 | P   | 0.6  |

$$y = 0.0010 * x + 2.3067E-004$$

$$R = 1.0000$$

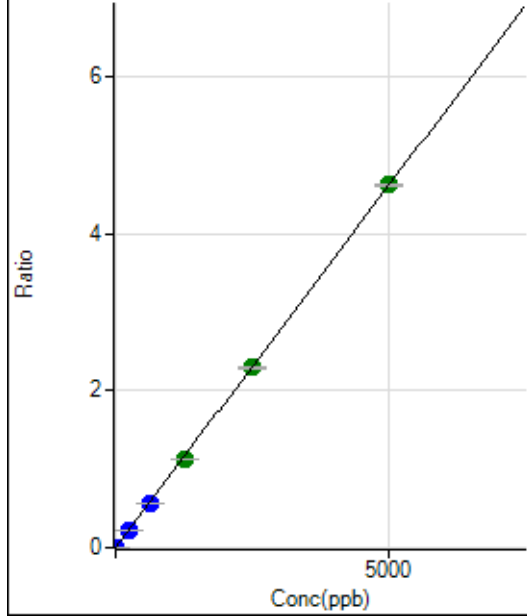
$$DL = 0.1119$$

$$BEC = 0.2247$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 285.19     | 0.0002 | P   | 23.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.928      | 1529.75    | 0.0011 | P   | 4.0  |
| 3 | <input type="checkbox"/> | 250.000  | 244.869    | 332456.73  | 0.2259 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 625.000  | 612.997    | 833314.75  | 0.5651 | P   | 1.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1228.397   | 1700407.21 | 1.1322 | A   | 0.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2485.115   | 3425508.53 | 2.2904 | A   | 2.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5014.600   | 6685292.16 | 4.6214 | A   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 7707.98    | 0.0052 | P   | 1.5  |

$$y = 9.2155\text{E-}004 * x + 2.0268\text{E-}004$$

$$R = 1.0000$$

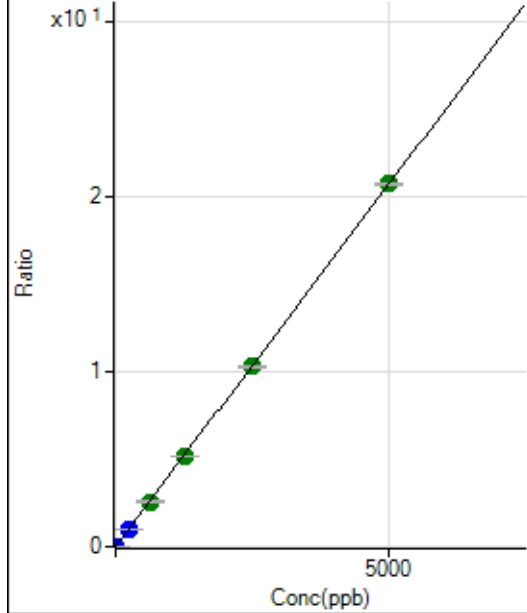
$$DL = 0.1576$$

$$BEC = 0.2199$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1235.23     | 0.0009  | P   | 6.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.984      | 7158.33     | 0.0049  | P   | 1.3 |
| 3 | <input type="checkbox"/> | 250.000  | 245.156    | 1495087.96  | 1.0157  | P   | 0.4 |
| 4 | <input type="checkbox"/> | 625.000  | 620.240    | 3787312.52  | 2.5684  | A   | 1.2 |
| 5 | <input type="checkbox"/> | 1250.000 | 1236.327   | 7687225.24  | 5.1187  | A   | 0.0 |
| 6 | <input type="checkbox"/> | 2500.000 | 2488.482   | 15408341.66 | 10.3020 | A   | 1.4 |
| 7 | <input type="checkbox"/> | 5000.000 | 5010.015   | 30001963.06 | 20.7399 | A   | 0.6 |
| 8 | <input type="checkbox"/> |          |            | 34696.32    | 0.0236  | P   | 0.8 |

$$y = 0.0041 * x + 8.7580\text{E-}004$$

$$R = 1.0000$$

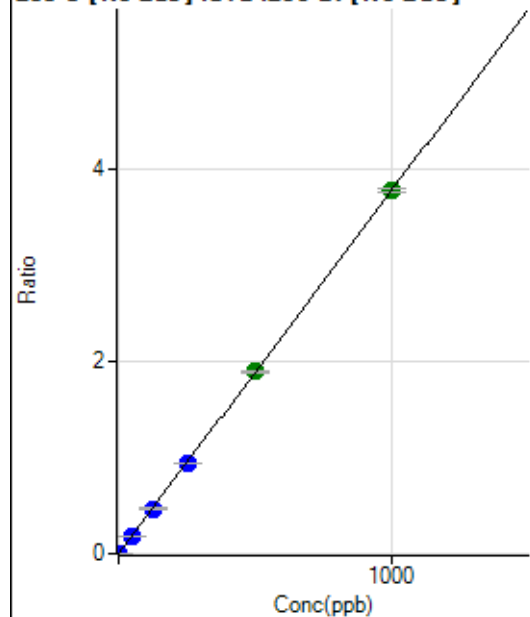
$$DL = 0.04326$$

$$BEC = 0.2116$$

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      | 33.34      | 0.0000 | P    | 90.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.976      | 5367.97    | 0.0037 | P    | 4.4  |
| 3 | <input type="checkbox"/> | 50.000   | 49.251     | 273912.60  | 0.1861 | P    | 0.2  |
| 4 | <input type="checkbox"/> | 125.000  | 124.187    | 691858.23  | 0.4692 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 247.926    | 1406647.61 | 0.9366 | P    | 0.2  |
| 6 | <input type="checkbox"/> | 500.000  | 501.956    | 2836476.43 | 1.8963 | A    | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.680    | 5463835.11 | 3.7766 | A    | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 736.15     | 0.0005 | P    | 1.3  |

$$y = 0.0038 * x + 2.4124E-005$$

$$R = 1.0000$$

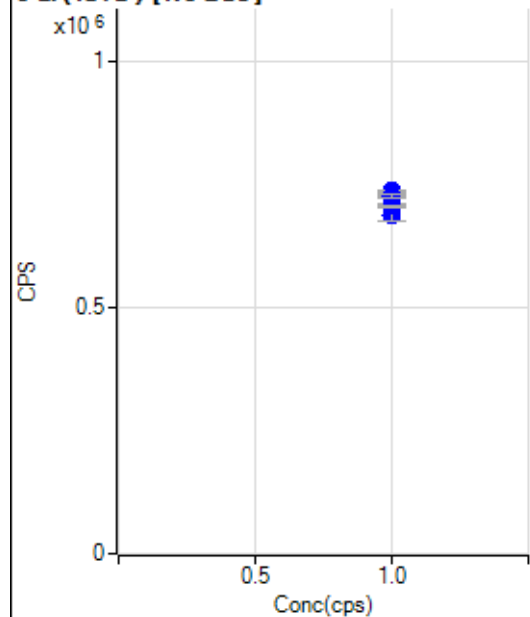
$$DL = 0.01725$$

$$BEC = 0.006386$$

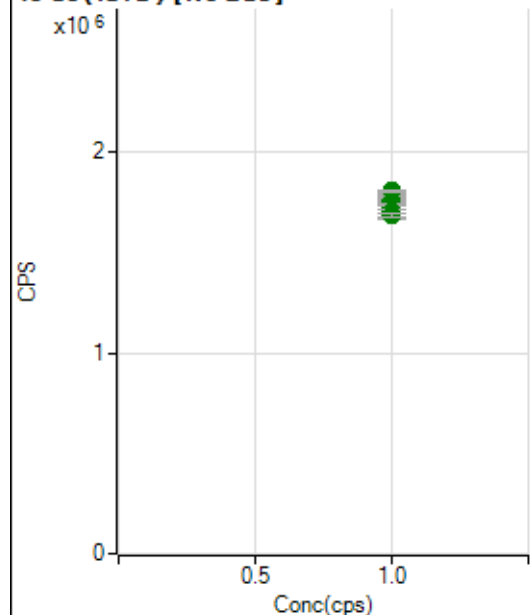
Weight: &lt;None&gt;

Min Conc: 0

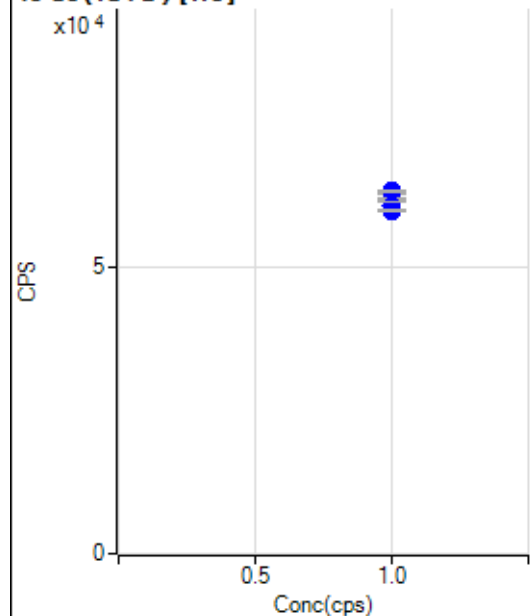
6 Li (ISTD) [No Gas]



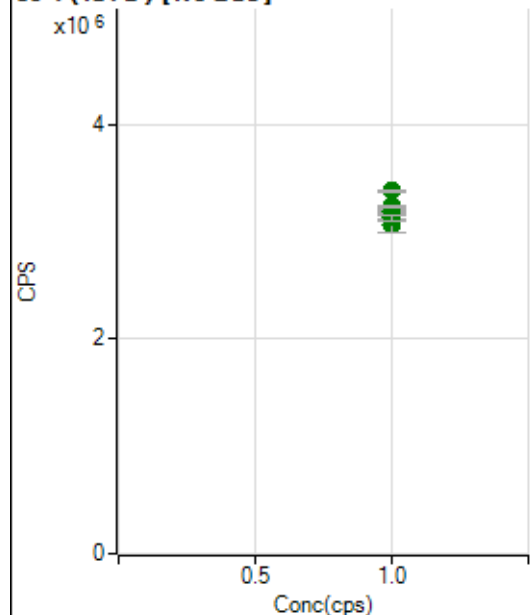
|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS       | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-----------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 689252.12 |       | P    | 4.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 708928.26 |       | P    | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 723270.07 |       | P    | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 724479.17 |       | P    | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 727932.62 |       | P    | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 736885.64 |       | P    | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 705923.90 |       | P    | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 725610.45 |       | P    | 1.0 |

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

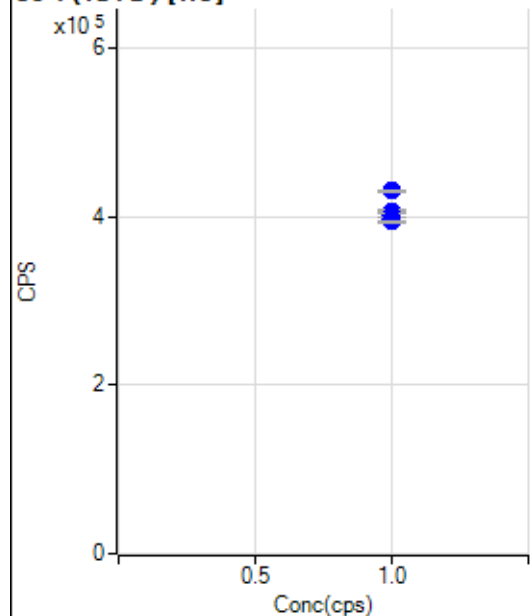
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1702196.26 |       | A        | 3.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1727266.48 |       | A        | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1746769.80 |       | A        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1752876.05 |       | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1760373.58 |       | A        | 2.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1787621.97 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1689008.67 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1808955.80 |       | A        | 0.4 |

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

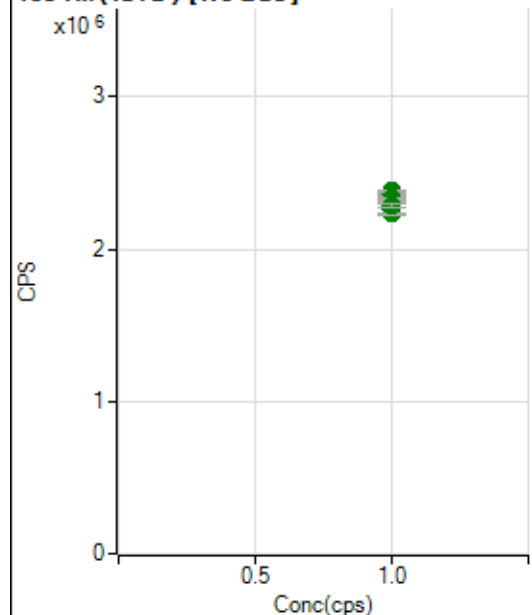
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 62908.99 |       | P        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 62585.41 |       | P        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 62800.78 |       | P        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 62563.09 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 61742.98 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 60581.62 |       | P        | 2.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 59643.04 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 63136.61 |       | P        | 0.5 |

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

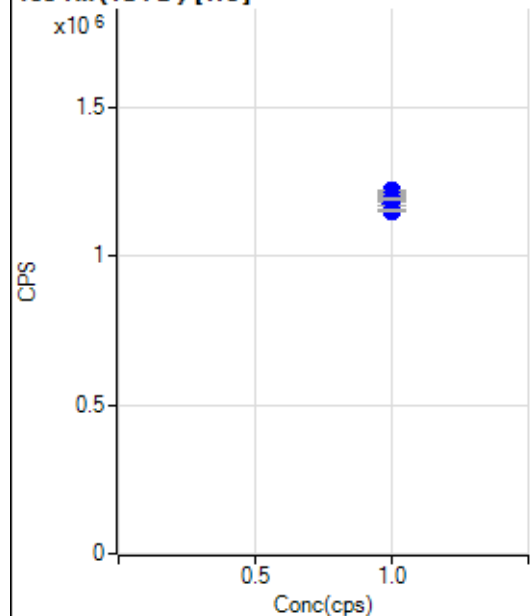
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3059404.82 |       | A        | 4.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3172461.48 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3162894.78 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3190748.04 |       | A        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3223533.11 |       | A        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3232446.10 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3125663.15 |       | A        | 1.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3377337.21 |       | A        | 0.8 |

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

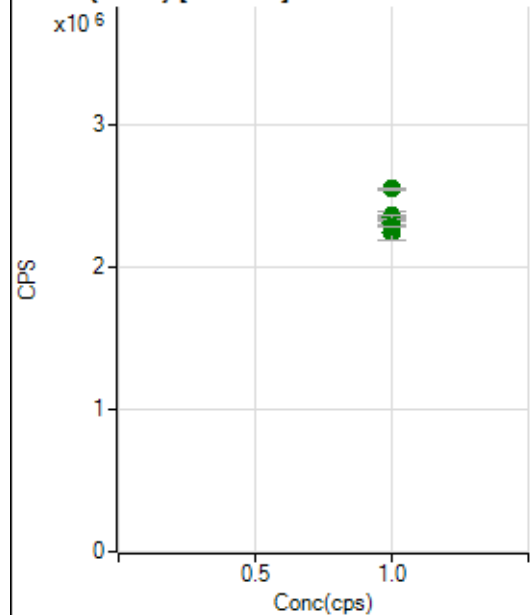
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 405104.73 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 403468.44 |       | P        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 406376.72 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 406822.55 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 401220.33 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 395792.81 |       | P        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 393570.48 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 430032.84 |       | P        | 0.6 |

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

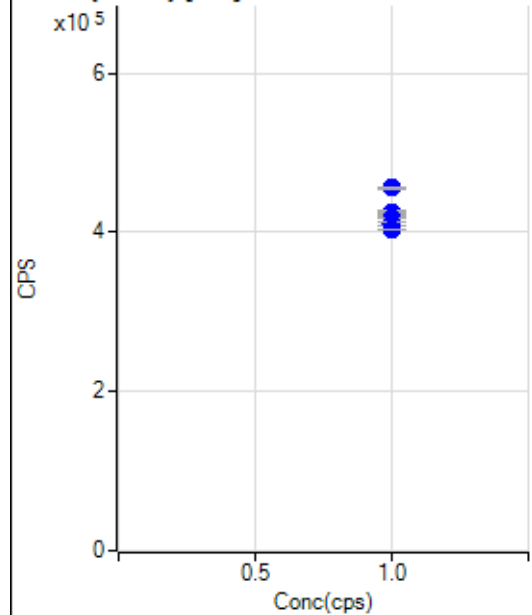
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2264901.29 |       | A        | 4.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2334328.20 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2356289.85 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2363389.27 |       | A        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2380844.26 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2332450.03 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2229751.48 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2280335.16 |       | A        | 1.3 |

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

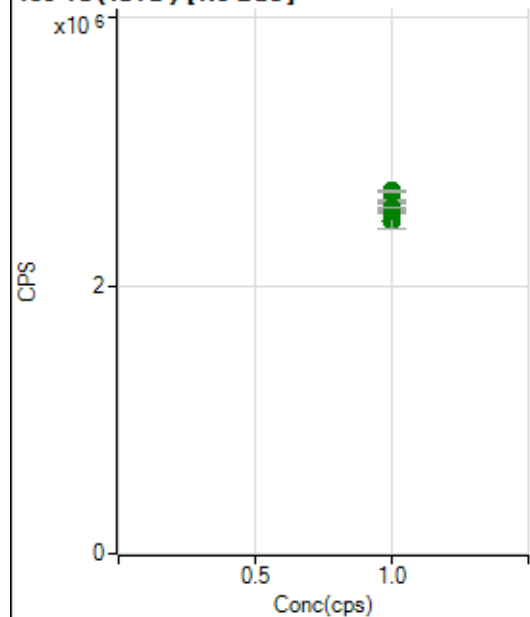
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1211954.10 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1207236.09 |       | P        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1218501.31 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1220126.81 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1204984.50 |       | P        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1178020.47 |       | P        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1154282.72 |       | P        | 0.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1191083.07 |       | P        | 0.4 |

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

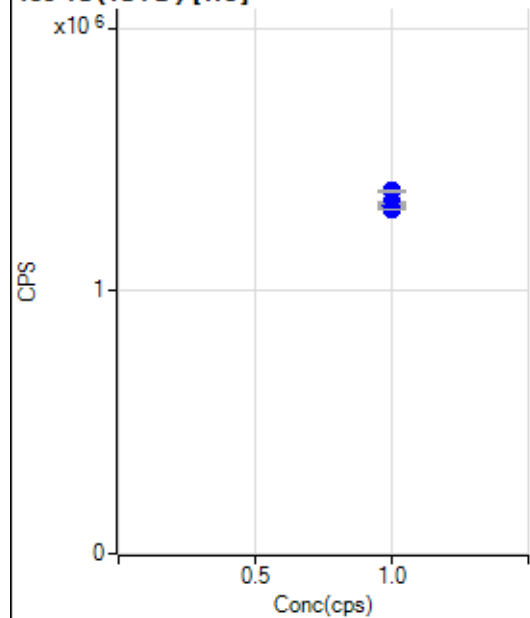
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2241053.41 |       | A        | 4.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2310436.73 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2352797.52 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2336362.20 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2371550.92 |       | A        | 1.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2358616.98 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2284409.19 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2551441.78 |       | A        | 0.6 |

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

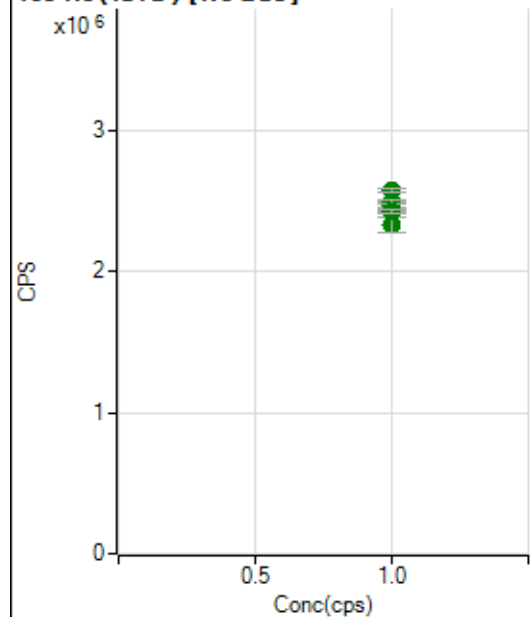
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 421112.56 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 420064.25 |       | P        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 421905.17 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 425401.33 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 417737.11 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 410871.61 |       | P        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 402964.35 |       | P        | 0.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 455577.40 |       | P        | 0.9 |

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

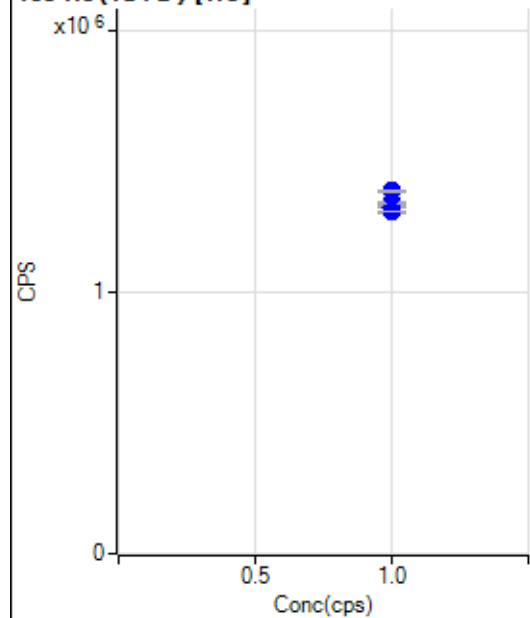
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2485580.99 |       | A        | 4.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2548443.03 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2575493.61 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2570345.20 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2622180.46 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2639080.29 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2582442.83 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2707690.98 |       | A        | 0.8 |

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

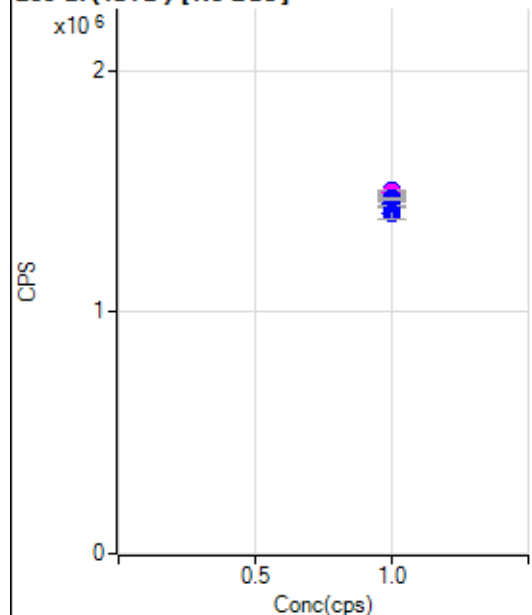
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1317155.91 |       | P        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1308692.14 |       | P        | 0.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1321238.89 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1341128.92 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1327947.04 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1324281.24 |       | P        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1310276.01 |       | P        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1380890.20 |       | P        | 0.6 |

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

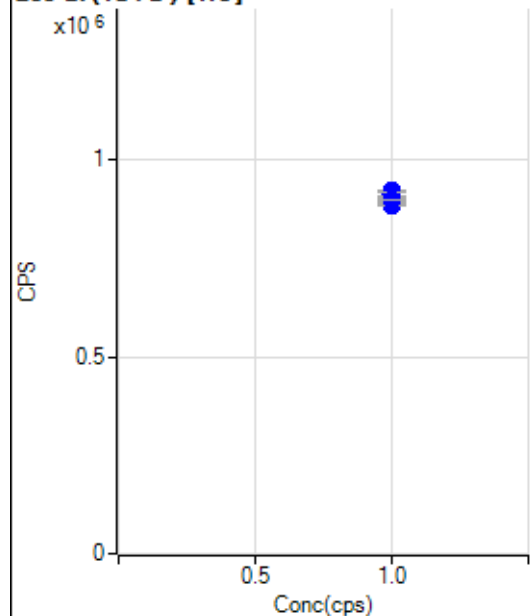
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2330024.03 |       | A        | 4.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2429008.08 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2461636.62 |       | A        | 1.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2432351.10 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2485199.60 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2493629.98 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2423430.89 |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2570369.91 |       | A        | 1.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1306061.82 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1306684.69 |       | P        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1321296.63 |       | P        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1342427.39 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1337342.28 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1323194.35 |       | P        | 1.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1308751.21 |       | P        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1386400.19 |       | P        | 0.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1411075.19 |       | P        | 3.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1446622.46 |       | P        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1471988.07 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1474620.99 |       | P        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1501800.69 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1495788.12 |       | M        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1446642.15 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1470648.53 |       | P        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 904428.32 |       | P        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 900679.45 |       | P        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 902674.51 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 921118.83 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 910906.90 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 899639.62 |       | P        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 886012.49 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 898249.59 |       | P        | 0.2 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8030620 MS.b  
Acq. Date-Time 2020-03-06 12:12:18  
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    |              | 3184  | 31836.15  |                            |             | 0.636  | 5.000           |
| 24   |              | 33023 | 330230.53 |                            |             | 0.953  | 5.000           |
| 25   |              | 4586  | 45863.20  |                            |             | 0.945  | 5.000           |
| 26   |              | 5259  | 52587.47  |                            |             | 0.318  | 5.000           |
| 59   |              | 25319 | 253192.78 |                            |             | 0.385  | 5.000           |
| 113  |              | 1388  | 13876.08  |                            |             | 0.491  | 5.000           |
| 115  |              | 31650 | 316500.75 |                            |             | 0.371  | 5.000           |
| 206  |              | 5897  | 58970.06  |                            |             | 1.732  | 5.000           |
| 207  |              | 5302  | 53019.38  |                            |             | 1.715  | 5.000           |
| 208  |              | 12520 | 125200.20 |                            |             | 1.344  | 5.000           |
| 220  |              | 1     | 6.20      |                            |             | 29.411 |                 |

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

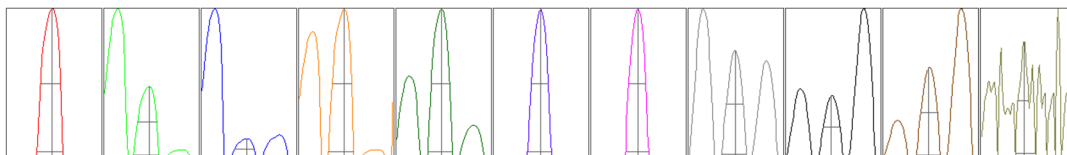
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 3207        | 3201        | 3163        | 3164        | 3183        |
| 24   | 33392       | 33128       | 32525       | 33063       | 33007       |
| 25   | 4648        | 4592        | 4526        | 4589        | 4578        |
| 26   | 5286        | 5256        | 5246        | 5261        | 5244        |
| 59   | 25362       | 25383       | 25172       | 25409       | 25270       |
| 113  | 1398        | 1388        | 1380        | 1386        | 1385        |
| 115  | 31806       | 31733       | 31612       | 31517       | 31581       |
| 206  | 5832        | 5772        | 5910        | 6040        | 5932        |
| 207  | 5212        | 5215        | 5327        | 5430        | 5325        |
| 208  | 12397       | 12339       | 12475       | 12727       | 12663       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 5307.92     | 8.95   | 8.90 - 9.10     |             |
| 24   | 57619.03    | 23.95  | 23.90 - 24.10   |             |
| 25   | 7688.50     | 24.95  | 24.90 - 25.10   |             |
| 26   | 9100.64     | 25.95  | 25.90 - 26.10   |             |
| 59   | 45328.06    | 58.95  | 58.90 - 59.10   |             |
| 113  | 2745.95     | 113.00 | 112.90 - 113.10 |             |
| 115  | 62521.99    | 115.00 | 114.90 - 115.10 |             |
| 206  | 11439.48    | 206.00 | 205.90 - 206.10 |             |
| 207  | 10296.59    | 206.95 | 206.90 - 207.10 |             |
| 208  | 24517.68    | 207.95 | 207.90 - 208.10 |             |
| 220  | 1.05        | 219.90 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.64  | 0.821 | 0.900           |             |
| 24   | 0.62  | 0.791 | 0.900           |             |
| 25   | 0.63  | 0.786 | 0.900           |             |
| 26   | 0.63  | 0.790 | 0.900           |             |
| 59   | 0.58  | 0.782 | 0.900           |             |
| 113  | 0.53  | 0.761 | 0.900           |             |
| 115  | 0.53  | 0.729 | 0.900           |             |
| 206  | 0.53  | 0.779 | 0.900           |             |
| 207  | 0.53  | 0.767 | 0.900           |             |
| 208  | 0.52  | 0.744 | 0.900           |             |
| 220  | 0.34  | 0.637 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode HMI Nebulizer Gas 0.50 L/min Dilution Gas 0.45 L/min

# US EPA Tune Check Report

|              |         |                |          |               |            |
|--------------|---------|----------------|----------|---------------|------------|
| RF Power     | 1600 W  | Option Gas     | ---      | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 V  | Nebulizer Pump | 0.10 rps | Plasma Gas    | 15.0 L/min |
| Sample Depth | 10.0 mm | S/C Temp       | 2 °C     |               |            |

## Lens Parameters

|            |          |               |        |            |        |
|------------|----------|---------------|--------|------------|--------|
| Extract 1  | -6.0 V   | Omega Lens    | 10.6 V | Deflect    | 14.6 V |
| Extract 2  | -250.0 V | Cell Entrance | -30 V  | Plate Bias | -50 V  |
| Omega Bias | -120 V   | Cell Exit     | -50 V  |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 4.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 160 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 0.9993 | QP Bias | -4.0 V |
| Mass Offset | 123 | Axis Offset | -0.05  |         |        |

## Hardware Settings

### Torch

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

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.9 mV | Analog HV | 2168 V | Pulse HV | 1119 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS      | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 6253  | 62533.44 |                            |             | 1.937 |                 |
| 89   |              | 9956  | 99560.24 |                            |             | 1.949 |                 |
| 205  |              | 5147  | 51469.36 |                            |             | 2.184 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 6070        | 6198        | 6298        | 6329        | 6372        |
| 89   | 9681        | 9838        | 10044       | 10051       | 10166       |
| 205  | 5010        | 5068        | 5160        | 5199        | 5298        |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |         |                |            |               |            |
|--------------|---------|----------------|------------|---------------|------------|
| Plasma Mode  | HMI     | Nebulizer Gas  | 0.50 L/min | Dilution Gas  | 0.45 L/min |
| RF Power     | 1600 W  | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 V  | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 10.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |        |            |        |         |       |
|-----------|--------|------------|--------|---------|-------|
| Extract 1 | -6.0 V | Omega Lens | 10.6 V | Deflect | 3.6 V |
|-----------|--------|------------|--------|---------|-------|

# US EPA Tune Check Report

|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -250.0 V   | Cell Entrance | -50 V   | Plate Bias            | -60 V   |
| Omega Bias               | -120 V     | Cell Exit     | -70 V   |                       |         |
| <b>Cell Parameters</b>   |            |               |         |                       |         |
| Use Gas                  | Yes        | 3rd Gas Flow  | ---     | Energy Discrimination | 5.0 V   |
| He Flow                  | 4.5 mL/min | OctP Bias     | -18.0 V |                       |         |
| H2 Flow                  | ---        | OctP RF       | 190 V   |                       |         |
| <b>QP Parameters</b>     |            |               |         |                       |         |
| Mass Gain                | 123        | Axis Gain     | 0.9993  | QP Bias               | -13.0 V |
| Mass Offset              | 123        | Axis Offset   | -0.05   |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | 0.4 mm     | Torch V       | 0.1 mm  |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 3.9 mV     | Analog HV     | 2168 V  | Pulse HV              | 1119 V  |