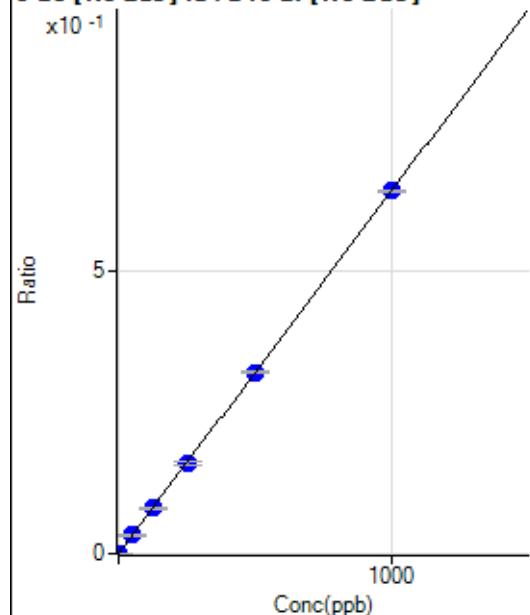


# Calibration for 008CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8031824MS.b\  
 Analysis File: P8031824MS.batch.bin  
 DA Date-Time: 2024-03-18 16:16:36  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2024-03-18 13:34:36 |
| 2     | 006CALS.d          | S02         | 2024-03-18 13:41:31 |
| 3     | 007CALS.d          | S03         | 2024-03-18 13:44:57 |
| 4     | 008CALS.d          | S04         | 2024-03-18 13:48:21 |
| 5     | 009CALS.d          | S05         | 2024-03-18 13:51:34 |
| 6     | 010CALS.d          | S06         | 2024-03-18 13:54:44 |
| 7     | 011CALS.d          | S07         | 2024-03-18 13:57:45 |
| 8     | 012CALS.d          | S08         | 2024-03-18 14:00:49 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 49.16     | 0.0000 | P        | 5.7  |
| 2 | <input type="checkbox"/> | 1.000    | 0.966      | 1107.83   | 0.0006 | P        | 2.4  |
| 3 | <input type="checkbox"/> | 50.000   | 50.445     | 55157.49  | 0.0323 | P        | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 125.312    | 131811.13 | 0.0803 | P        | 2.0  |
| 5 | <input type="checkbox"/> | 250.000  | 248.934    | 248957.95 | 0.1594 | P        | 2.7  |
| 6 | <input type="checkbox"/> | 500.000  | 500.283    | 487301.83 | 0.3204 | P        | 1.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.064   | 954843.81 | 0.6404 | P        | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 168.31    | 0.0001 | P        | 22.9 |

$$y = 6.4035E-004 * x + 2.9045E-005$$

$$R = 1.0000$$

$$DL = 0.007728$$

$$BEC = 0.04536$$

Weight: &lt;None&gt;

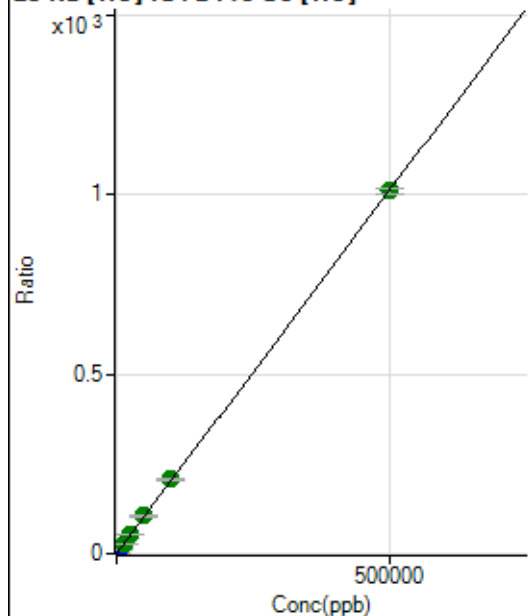
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 1287894.29 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> |       |            | 1292767.34 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> |       |            | 1318192.59 |       | A        | 1.3 |
| 4 | <input type="checkbox"/> |       |            | 1296101.38 |       | A        | 1.9 |
| 5 | <input type="checkbox"/> |       |            | 1321815.75 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> |       |            | 1398077.74 |       | A        | 2.7 |
| 7 | <input type="checkbox"/> |       |            | 1674749.04 |       | A        | 2.9 |
| 8 | <input type="checkbox"/> |       |            | 1560758.00 |       | A        | 1.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 16076.65 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> |       |            | 15807.46 |       | P        | 0.6 |
| 3 | <input type="checkbox"/> |       |            | 16211.22 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> |       |            | 16171.21 |       | P        | 1.9 |
| 5 | <input type="checkbox"/> |       |            | 17111.16 |       | P        | 1.2 |
| 6 | <input type="checkbox"/> |       |            | 18562.94 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> |       |            | 22086.68 |       | P        | 1.6 |
| 8 | <input type="checkbox"/> |       |            | 22916.85 |       | P        | 1.9 |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio     | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 5232.10     | 0.0730    | P        | 0.3 |
| 2 | <input type="checkbox"/> | 500.000   | 468.277    | 73442.52    | 1.0206    | P        | 0.9 |
| 3 | <input type="checkbox"/> | 5000.000  | 5236.427   | 741196.39   | 10.6688   | P        | 0.6 |
| 4 | <input type="checkbox"/> | 12500.000 | 12946.281  | 1773984.04  | 26.2695   | A        | 0.6 |
| 5 | <input type="checkbox"/> | 25000.000 | 25898.868  | 3421262.38  | 52.4787   | A        | 1.3 |
| 6 | <input type="checkbox"/> | 50000.000 | 51731.676  | 6738543.37  | 104.7508  | A        | 1.3 |
| 7 | <input type="checkbox"/> | 100000.00 | 101908.92  | 13217998.41 | 206.2832  | A        | 1.6 |
| 8 | <input type="checkbox"/> | 500000.00 | 499386.61  | 64186450.16 | 1,010.569 | A        | 1.7 |

$$y = 0.0020 * x + 0.0730$$

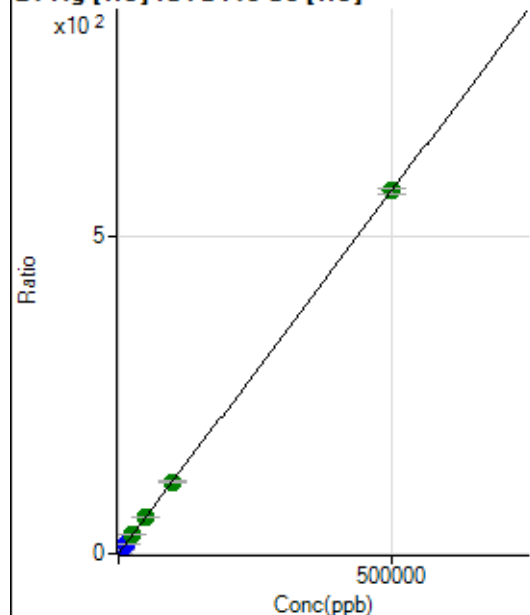
$$R = 1.0000$$

$$DL = 0.3139$$

$$BEC = 36.08$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 103.33      | 0.0014   | P    | 18.8 |
| 2 | <input type="checkbox"/> | 500.000   | 465.785    | 38373.78    | 0.5332   | P    | 0.5  |
| 3 | <input type="checkbox"/> | 5000.000  | 5098.695   | 404535.56   | 5.8228   | P    | 0.6  |
| 4 | <input type="checkbox"/> | 12500.000 | 12720.930  | 980830.20   | 14.5254  | P    | 1.1  |
| 5 | <input type="checkbox"/> | 25000.000 | 25976.364  | 1933397.21  | 29.6597  | A    | 2.0  |
| 6 | <input type="checkbox"/> | 50000.000 | 50568.664  | 3714133.21  | 57.7377  | A    | 0.1  |
| 7 | <input type="checkbox"/> | 100000.00 | 99124.867  | 7252724.75  | 113.1763 | A    | 1.0  |
| 8 | <input type="checkbox"/> | 500000.00 | 500062.86  | 36263861.68 | 570.9432 | A    | 1.6  |

$$y = 0.0011 * x + 0.0014$$

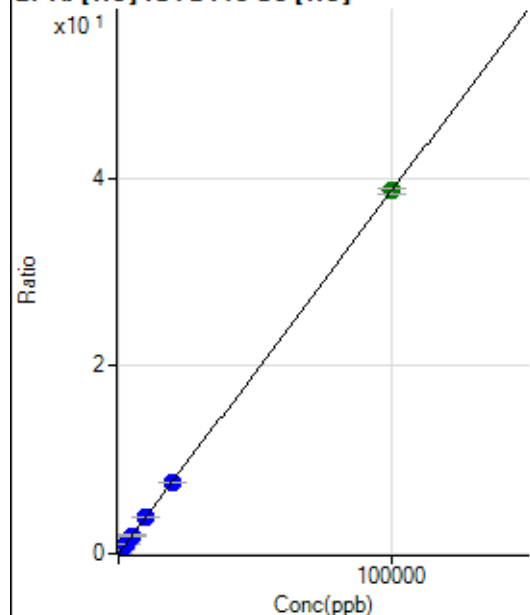
$$R = 1.0000$$

$$DL = 0.7137$$

$$BEC = 1.262$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 40.00      | 0.0006  | P    | 8.7 |
| 2 | <input type="checkbox"/> | 20.000    | 18.067     | 542.24     | 0.0075  | P    | 3.8 |
| 3 | <input type="checkbox"/> | 1000.000  | 1011.656   | 27178.82   | 0.3912  | P    | 0.8 |
| 4 | <input type="checkbox"/> | 2500.000  | 2505.081   | 65362.68   | 0.9679  | P    | 0.7 |
| 5 | <input type="checkbox"/> | 5000.000  | 5032.626   | 126721.22  | 1.9439  | P    | 1.4 |
| 6 | <input type="checkbox"/> | 10000.000 | 10021.032  | 248960.13  | 3.8702  | P    | 1.1 |
| 7 | <input type="checkbox"/> | 20000.000 | 19743.412  | 488582.67  | 7.6246  | P    | 1.3 |
| 8 | <input type="checkbox"/> | 100000.00 | 100047.34  | 2453968.42 | 38.6344 | A    | 1.3 |

$$y = 3.8616E-004 * x + 5.5831E-004$$

$$R = 1.0000$$

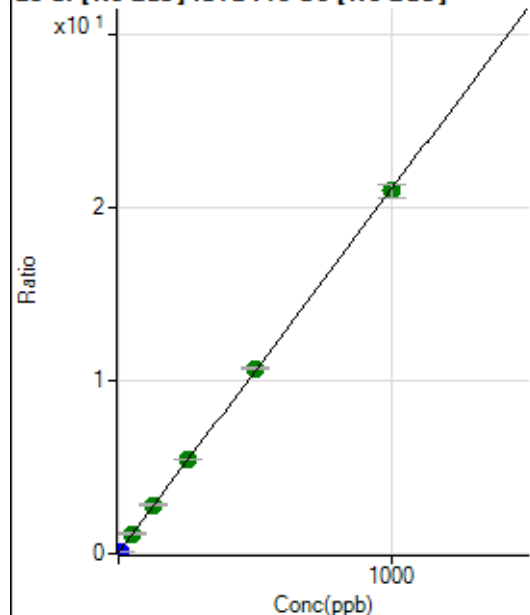
$$DL = 0.3787$$

$$BEC = 1.446$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 152370.40   | 0.0638  | P   | 0.4 |
| 2 | <input type="checkbox"/> | 10.000   | 0.244      | 165422.93   | 0.0689  | P   | 2.6 |
| 3 | <input type="checkbox"/> | 50.000   | 52.152     | 2780001.21  | 1.1574  | A   | 1.3 |
| 4 | <input type="checkbox"/> | 125.000  | 131.763    | 6467557.47  | 2.8267  | A   | 1.0 |
| 5 | <input type="checkbox"/> | 250.000  | 255.234    | 12022513.85 | 5.4156  | A   | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 505.594    | 23407063.54 | 10.6652 | A   | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 995.039    | 45918134.31 | 20.9280 | A   | 3.9 |
| 8 | <input type="checkbox"/> |          |            | 251835.12   | 0.1246  | P   | 2.9 |

$$y = 0.0210 * x + 0.0638$$

$$R = 0.9999$$

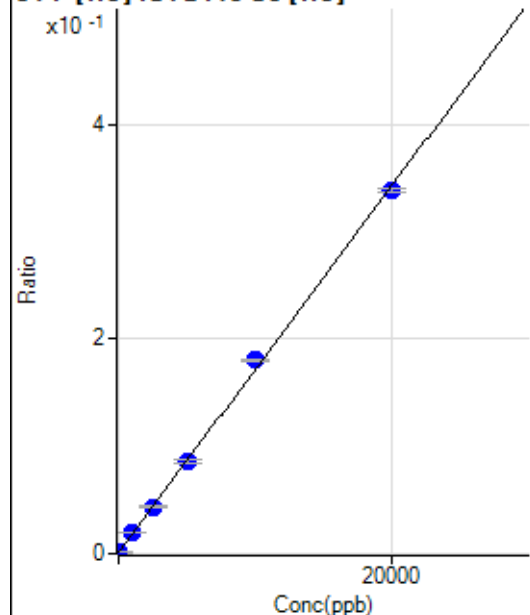
$$DL = 0.03264$$

$$BEC = 3.044$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | -28.411    | 33.33    | 0.0005 | P   | 0.5  |
| 2 | <input type="checkbox"/> | 0.000     | 28.411     | 103.33   | 0.0014 | P   | 33.5 |
| 3 | <input type="checkbox"/> | 1000.000  | 1091.277   | 1358.96  | 0.0196 | P   | 5.6  |
| 4 | <input type="checkbox"/> | 2500.000  | 2514.684   | 2959.22  | 0.0438 | P   | 7.0  |
| 5 | <input type="checkbox"/> | 5000.000  | 4984.092   | 5604.47  | 0.0860 | P   | 3.6  |
| 6 | <input type="checkbox"/> | 10000.000 | 10502.865  | 11583.59 | 0.1801 | P   | 0.3  |
| 7 | <input type="checkbox"/> | 20000.000 | 19746.145  | 21640.64 | 0.3377 | P   | 1.2  |
| 8 | <input type="checkbox"/> |           |            | 62.22    | 0.0010 | P   | 42.9 |

$$y = 1.7055E-005 * x + 9.4964E-004$$

$$R = 0.9995$$

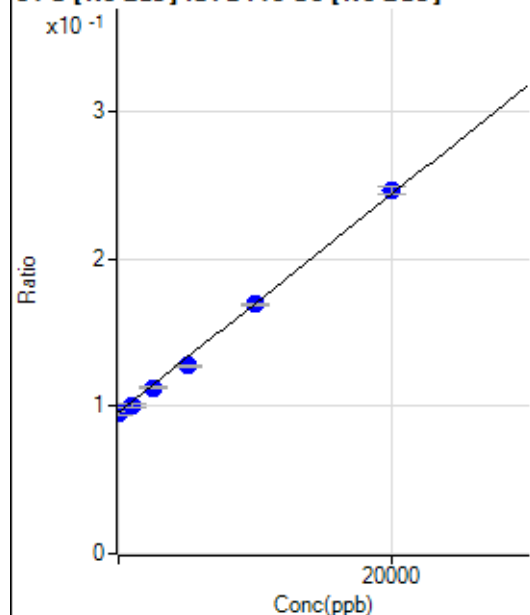
$$DL = 42.44$$

$$BEC = 55.68$$

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     | 89.887     | 230764.15 | 0.0967 | P        | 1.8 |
| 2 | <input type="checkbox"/> | 0.000     | -89.887    | 228747.00 | 0.0953 | P        | 3.0 |
| 3 | <input type="checkbox"/> | 1000.000  | 528.718    | 239974.55 | 0.0999 | P        | 2.6 |
| 4 | <input type="checkbox"/> | 2500.000  | 2264.275   | 257994.20 | 0.1128 | P        | 1.4 |
| 5 | <input type="checkbox"/> | 5000.000  | 4277.890   | 283432.84 | 0.1277 | P        | 1.1 |
| 6 | <input type="checkbox"/> | 10000.000 | 9886.228   | 371426.05 | 0.1692 | P        | 1.3 |
| 7 | <input type="checkbox"/> | 20000.000 | 20290.443  | 540545.55 | 0.2463 | P        | 2.2 |
| 8 | <input type="checkbox"/> |           |            | 203650.99 | 0.1006 | P        | 2.7 |

$$y = 7.4093E-006 * x + 0.0960$$

$$R = 0.9992$$

$$DL = 932.3$$

$$BEC = 1.296E+04$$

Weight: &lt;None&gt;

Min Conc: 0

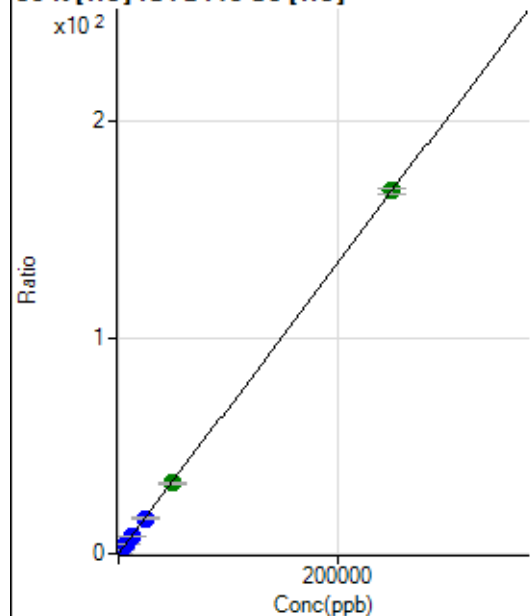
35 Cl [No Gas] No available calibration points



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 104278.78 |       | P        | 0.7 |
| 2 | <input type="checkbox"/> |       |            | 105171.95 |       | P        | 1.4 |
| 3 | <input type="checkbox"/> |       |            | 99027.66  |       | P        | 1.7 |
| 4 | <input type="checkbox"/> |       |            | 106855.02 |       | P        | 1.0 |
| 5 | <input type="checkbox"/> |       |            | 141306.44 |       | P        | 2.9 |
| 6 | <input type="checkbox"/> |       |            | 153994.82 |       | P        | 2.0 |
| 7 | <input type="checkbox"/> |       |            | 228863.29 |       | P        | 2.3 |
| 8 | <input type="checkbox"/> |       |            | 79650.73  |       | P        | 1.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 676.69  |       | P        | 6.0  |
| 2 | <input type="checkbox"/> |       |            | 666.69  |       | P        | 12.9 |
| 3 | <input type="checkbox"/> |       |            | 598.91  |       | P        | 13.4 |
| 4 | <input type="checkbox"/> |       |            | 691.13  |       | P        | 3.6  |
| 5 | <input type="checkbox"/> |       |            | 896.70  |       | P        | 5.4  |
| 6 | <input type="checkbox"/> |       |            | 1015.60 |       | P        | 9.0  |
| 7 | <input type="checkbox"/> |       |            | 1411.19 |       | P        | 3.7  |
| 8 | <input type="checkbox"/> |       |            | 565.57  |       | P        | 7.8  |

**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      | 4895.33     | 0.0683   | P        | 2.1 |
| 2 | <input type="checkbox"/> | 500.000   | 444.041    | 26339.69    | 0.3661   | P        | 2.1 |
| 3 | <input type="checkbox"/> | 2500.000  | 2454.508   | 119090.12   | 1.7142   | P        | 0.5 |
| 4 | <input type="checkbox"/> | 6250.000  | 6023.486   | 277344.63   | 4.1073   | P        | 1.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 12068.582  | 532001.01   | 8.1608   | P        | 1.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 24289.927  | 1052107.02  | 16.3558  | P        | 1.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 48723.123  | 2097771.76  | 32.7393  | A        | 1.9 |
| 8 | <input type="checkbox"/> | 250000.00 | 250354.18  | 10668892.90 | 167.9416 | A        | 1.7 |

$$y = 6.7054\text{E-}004 * x + 0.0683$$

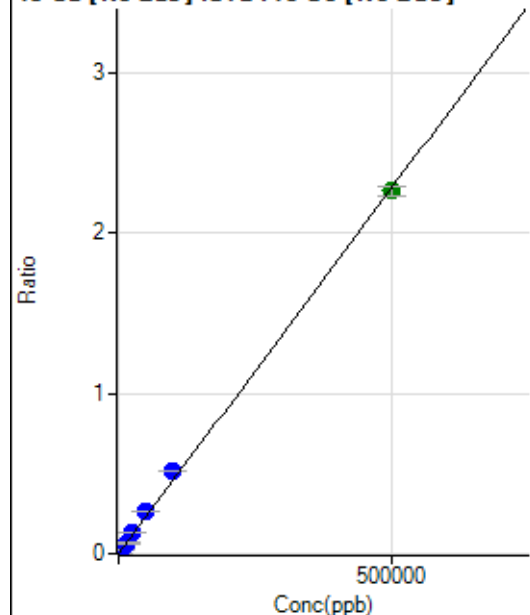
$$R = 1.0000$$

$$DL = 6.412$$

$$BEC = 101.9$$

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      | 92.22      | 0.0000 | P    | 2.4 |
| 2 | <input type="checkbox"/> | 500.000   | 476.287    | 5298.80    | 0.0022 | P    | 2.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5794.544   | 63472.95   | 0.0264 | P    | 2.4 |
| 4 | <input type="checkbox"/> | 12500.000 | 14438.163  | 150525.88  | 0.0658 | P    | 1.2 |
| 5 | <input type="checkbox"/> | 25000.000 | 28370.429  | 286904.25  | 0.1292 | P    | 1.0 |
| 6 | <input type="checkbox"/> | 50000.000 | 56692.693  | 566721.06  | 0.2582 | P    | 0.4 |
| 7 | <input type="checkbox"/> | 100000.00 | 113115.77  | 1130480.82 | 0.5152 | P    | 2.2 |
| 8 | <input type="checkbox"/> | 500000.00 | 496482.67  | 4570818.78 | 2.2610 | A    | 2.8 |

$$y = 4.5540\text{E-}006 * x + 3.8628\text{E-}005$$

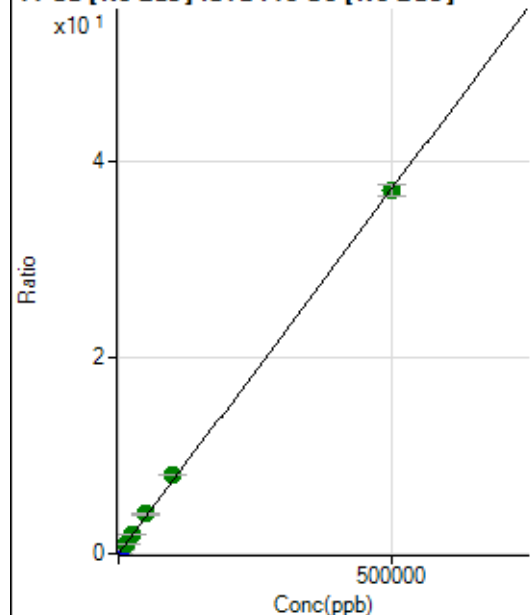
$$R = 0.9996$$

$$DL = 0.6051$$

$$BEC = 8.482$$

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      | 10588.45    | 0.0044  | P    | 2.7 |
| 2 | <input type="checkbox"/> | 500.000   | 473.513    | 94958.67    | 0.0396  | P    | 2.6 |
| 3 | <input type="checkbox"/> | 5000.000  | 5454.974   | 982748.62   | 0.4092  | P    | 1.8 |
| 4 | <input type="checkbox"/> | 12500.000 | 13751.473  | 2344507.79  | 1.0247  | A    | 2.1 |
| 5 | <input type="checkbox"/> | 25000.000 | 27273.896  | 4501765.42  | 2.0280  | A    | 1.0 |
| 6 | <input type="checkbox"/> | 50000.000 | 54333.134  | 8856876.95  | 4.0356  | A    | 1.1 |
| 7 | <input type="checkbox"/> | 100000.00 | 107667.09  | 17541237.66 | 7.9926  | A    | 1.4 |
| 8 | <input type="checkbox"/> | 500000.00 | 497883.76  | 74679618.89 | 36.9440 | A    | 3.2 |

$$y = 7.4193\text{E-}005 * x + 0.0044$$

$$R = 0.9999$$

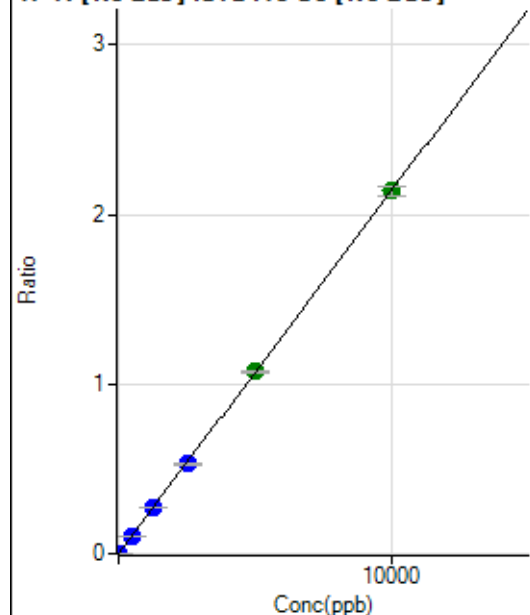
$$DL = 4.777$$

$$BEC = 59.77$$

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      | 32.22      | 0.0000 | P        | 15.6 |
| 2 | <input type="checkbox"/> | 5.000     | 4.652      | 2421.33    | 0.0010 | P        | 1.4  |
| 3 | <input type="checkbox"/> | 500.000   | 498.324    | 256068.70  | 0.1066 | P        | 0.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1252.619   | 613072.64  | 0.2679 | P        | 0.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2480.971   | 1177999.49 | 0.5307 | P        | 1.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 5018.999   | 2356187.78 | 1.0736 | A        | 1.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 9995.015   | 4691598.44 | 2.1379 | A        | 2.3  |
| 8 | <input type="checkbox"/> |           |            | 1015.61    | 0.0005 | P        | 11.0 |

$$y = 2.1390\text{E-}004 * x + 1.3493\text{E-}005$$

$$R = 1.0000$$

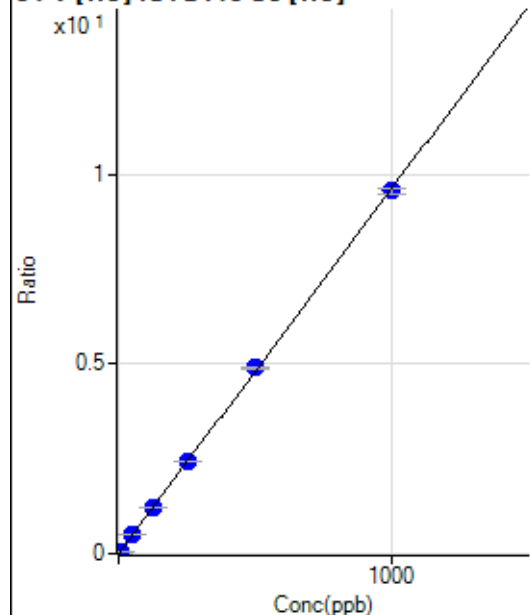
$$DL = 0.02945$$

$$BEC = 0.06308$$

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      | 6.67      | 0.0001 | P        | 100. |
| 2 | <input type="checkbox"/> | 5.000    | 4.750      | 3294.86   | 0.0458 | P        | 2.7  |
| 3 | <input type="checkbox"/> | 50.000   | 50.706     | 33891.17  | 0.4878 | P        | 1.4  |
| 4 | <input type="checkbox"/> | 125.000  | 126.043    | 81871.34  | 1.2125 | P        | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 252.162    | 158127.83 | 2.4256 | P        | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 509.562    | 315298.02 | 4.9015 | P        | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.514    | 612997.90 | 9.5662 | P        | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 252.23    | 0.0040 | P        | 9.4  |

$$y = 0.0096 * x + 9.3079\text{E-}005$$

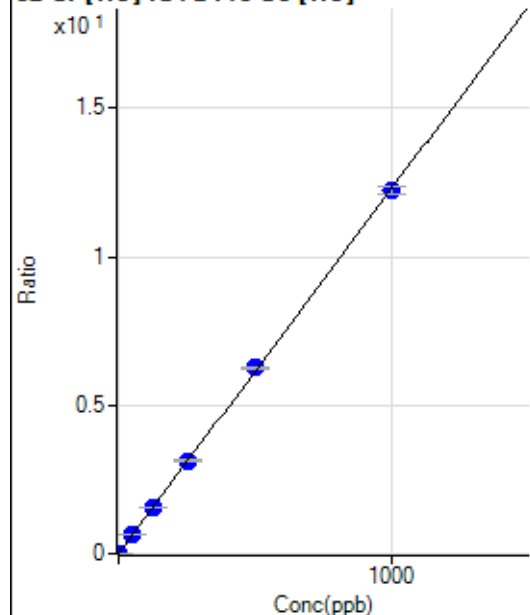
$$R = 0.9999$$

$$DL = 0.02912$$

$$BEC = 0.009677$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 425.57    | 0.0059  | P        | 11.9 |
| 2 | <input type="checkbox"/> | 2.000    | 2.027      | 2220.19   | 0.0309  | P        | 1.7  |
| 3 | <input type="checkbox"/> | 50.000   | 52.008     | 44808.79  | 0.6450  | P        | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 128.052    | 106649.66 | 1.5794  | P        | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 253.888    | 203736.70 | 3.1256  | P        | 2.2  |
| 6 | <input type="checkbox"/> | 500.000  | 508.569    | 402359.35 | 6.2549  | P        | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.262    | 783145.31 | 12.2228 | P        | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 18895.93  | 0.2975  | P        | 0.8  |

$$y = 0.0123 * x + 0.0059$$

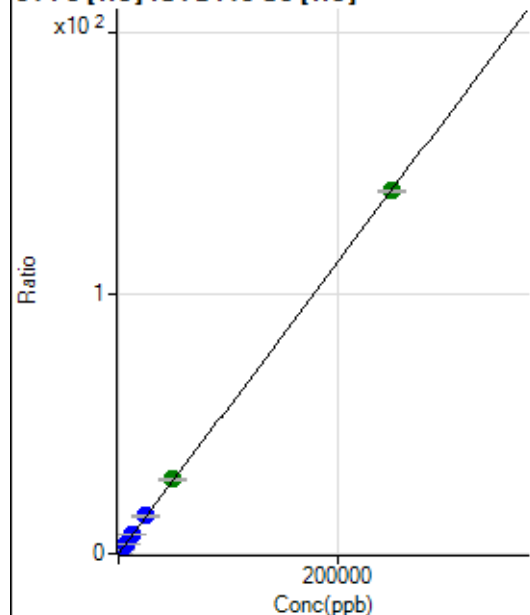
$$R = 0.9999$$

$$DL = 0.1726$$

$$BEC = 0.4833$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 175.56     | 0.0024   | P        | 3.5 |
| 2 | <input type="checkbox"/> | 50.000    | 48.928     | 2143.52    | 0.0298   | P        | 4.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2607.557   | 101368.75  | 1.4591   | P        | 0.9 |
| 4 | <input type="checkbox"/> | 6250.000  | 6455.155   | 243671.33  | 3.6085   | P        | 0.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 12858.147  | 468379.67  | 7.1855   | P        | 2.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 25938.451  | 932253.80  | 14.4926  | P        | 1.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 51441.376  | 1841399.22 | 28.7395  | A        | 2.3 |
| 8 | <input type="checkbox"/> | 250000.00 | 249593.76  | 8857792.85 | 139.4346 | A        | 0.7 |

$$y = 5.5864E-004 * x + 0.0024$$

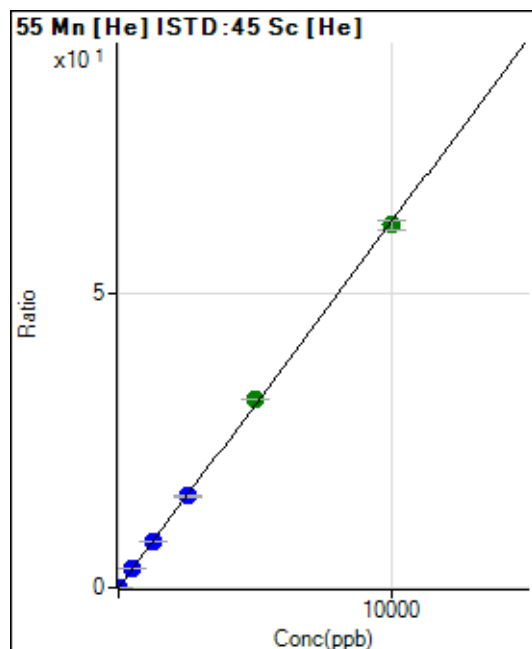
$$R = 1.0000$$

$$DL = 0.4544$$

$$BEC = 4.385$$

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      | 23.34      | 0.0003  | P        | 24.5 |
| 2 | <input type="checkbox"/> | 1.000     | 0.987      | 465.57     | 0.0065  | P        | 9.2  |
| 3 | <input type="checkbox"/> | 500.000   | 509.324    | 220302.55  | 3.1712  | P        | 1.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1260.544   | 529958.28  | 7.8480  | P        | 0.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2511.062   | 1019106.60 | 15.6332 | P        | 1.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 5156.863   | 2065204.21 | 32.1049 | A        | 0.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 9917.019   | 3955719.66 | 61.7398 | A        | 2.6  |
| 8 | <input type="checkbox"/> |           |            | 3147.04    | 0.0495  | P        | 0.6  |

$$y = 0.0062 * x + 3.2547E-004$$

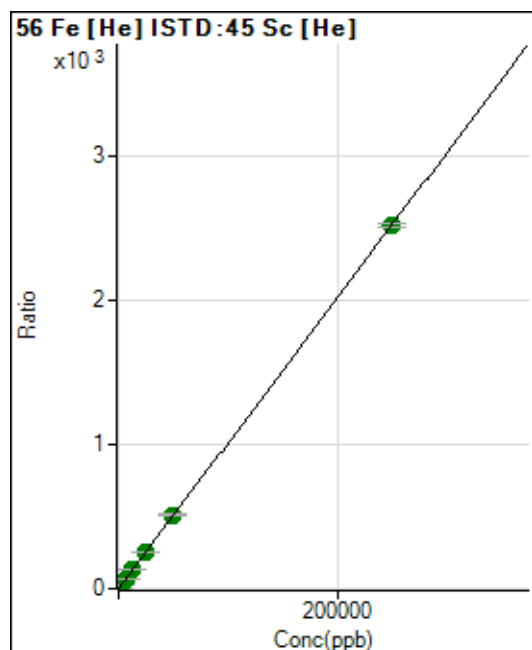
$$R = 0.9998$$

$$DL = 0.03838$$

$$BEC = 0.05228$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1251.18     | 0.0175   | P        | 3.3 |
| 2 | <input type="checkbox"/> | 50.000    | 48.685     | 36471.05    | 0.5068   | P        | 1.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2665.754   | 1862748.03  | 26.8129  | A        | 0.7 |
| 4 | <input type="checkbox"/> | 6250.000  | 6435.099   | 4368750.94  | 64.7013  | A        | 1.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 12823.353  | 8404459.74  | 128.9142 | A        | 0.9 |
| 6 | <input type="checkbox"/> | 25000.000 | 25726.596  | 16635789.20 | 258.6141 | A        | 0.6 |
| 7 | <input type="checkbox"/> | 50000.000 | 50483.253  | 32513676.46 | 507.4611 | A        | 2.6 |
| 8 | <input type="checkbox"/> | 250000.00 | 249808.23  | 159514207.6 | 2511.020 | A        | 0.9 |

$$y = 0.0101 * x + 0.0175$$

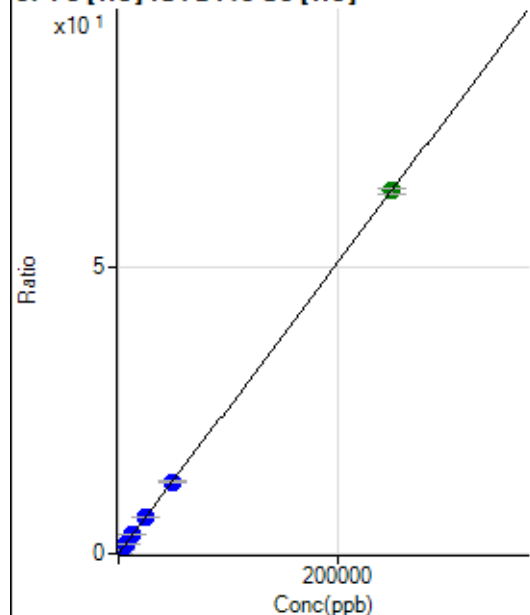
$$R = 1.0000$$

$$DL = 0.1743$$

$$BEC = 1.737$$

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      | 63.33      | 0.0009  | P    | 5.4 |
| 2 | <input type="checkbox"/> | 50.000    | 47.806     | 935.60     | 0.0130  | P    | 6.3 |
| 3 | <input type="checkbox"/> | 2500.000  | 2584.031   | 45580.62   | 0.6560  | P    | 1.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6357.315   | 108897.12  | 1.6127  | P    | 1.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 12699.505  | 209971.14  | 3.2207  | P    | 0.2 |
| 6 | <input type="checkbox"/> | 25000.000 | 25341.210  | 413357.80  | 6.4259  | P    | 1.2 |
| 7 | <input type="checkbox"/> | 50000.000 | 49558.340  | 805244.68  | 12.5658 | P    | 1.0 |
| 8 | <input type="checkbox"/> | 250000.00 | 250040.71  | 4026561.50 | 63.3958 | A    | 1.7 |

$$y = 2.5354\text{E-}004 * x + 8.8381\text{E-}004$$

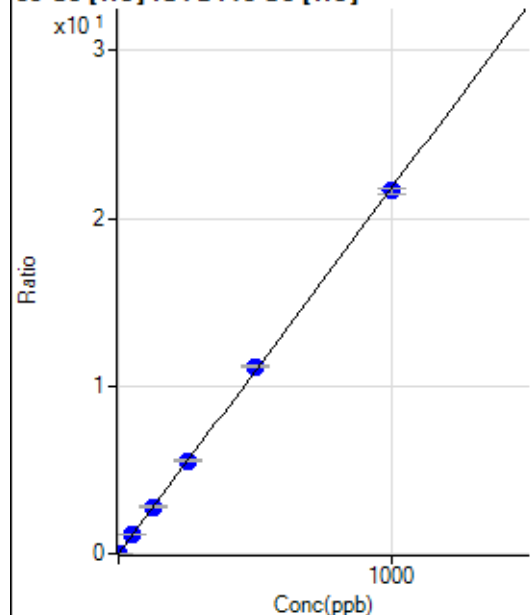
$$R = 1.0000$$

$$DL = 0.5635$$

$$BEC = 3.486$$

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      | 36.67      | 0.0005  | P    | 42.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.067      | 1709.01    | 0.0237  | P    | 4.2  |
| 3 | <input type="checkbox"/> | 50.000   | 51.899     | 78573.09   | 1.1310  | P    | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 128.702    | 189345.95  | 2.8040  | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 254.922    | 362014.40  | 5.5534  | P    | 1.6  |
| 6 | <input type="checkbox"/> | 500.000  | 510.962    | 716005.13  | 11.1307 | P    | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.731    | 1385683.21 | 21.6250 | P    | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 3596.05    | 0.0566  | P    | 6.7  |

$$y = 0.0218 * x + 5.1241\text{E-}004$$

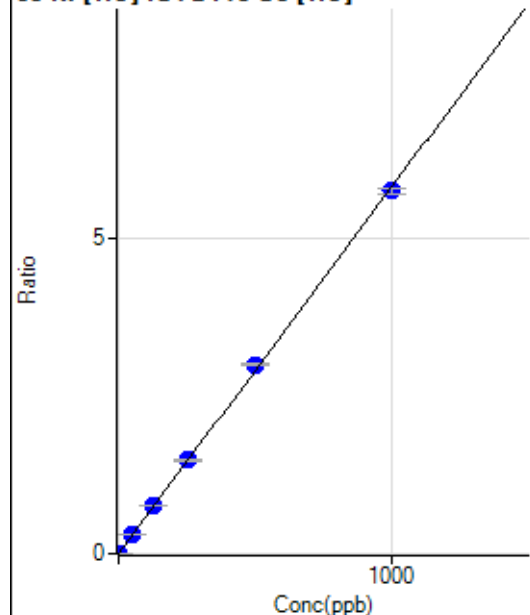
$$R = 0.9999$$

$$DL = 0.02967$$

$$BEC = 0.02352$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 26.67     | 0.0004 | P        | 54.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.959      | 427.79    | 0.0059 | P        | 16.7 |
| 3 | <input type="checkbox"/> | 50.000   | 53.194     | 21488.58  | 0.3093 | P        | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 130.858    | 51344.56  | 0.7604 | P        | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 255.465    | 96744.07  | 1.4841 | P        | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 515.230    | 192511.78 | 2.9927 | P        | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.127    | 368491.99 | 5.7508 | P        | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 6025.78   | 0.0949 | P        | 3.9  |

$$y = 0.0058 * x + 3.7282E-004$$

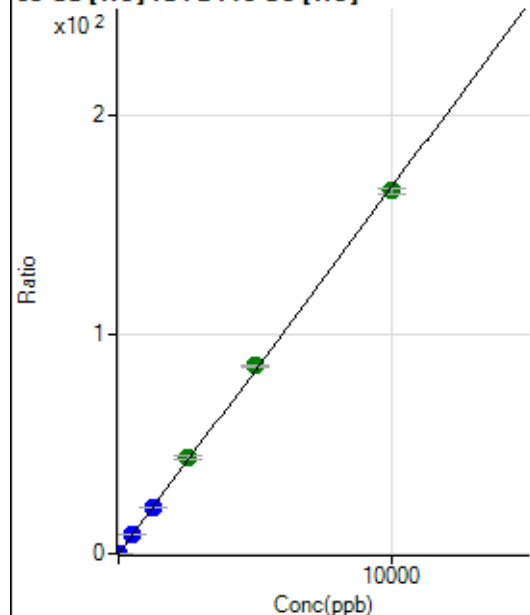
$$R = 0.9998$$

$$DL = 0.1054$$

$$BEC = 0.06419$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 516.68      | 0.0072   | P        | 6.7 |
| 2 | <input type="checkbox"/> | 2.000     | 1.865      | 2760.30     | 0.0384   | P        | 2.7 |
| 3 | <input type="checkbox"/> | 500.000   | 517.165    | 600546.77   | 8.6445   | P        | 0.9 |
| 4 | <input type="checkbox"/> | 1250.000  | 1268.363   | 1430951.63  | 21.1904  | P        | 0.5 |
| 5 | <input type="checkbox"/> | 2500.000  | 2627.562   | 2861177.53  | 43.8906  | A        | 2.5 |
| 6 | <input type="checkbox"/> | 5000.000  | 5132.441   | 5514560.47  | 85.7251  | A        | 1.1 |
| 7 | <input type="checkbox"/> | 10000.000 | 9898.736   | 10594389.98 | 165.3279 | A        | 1.4 |
| 8 | <input type="checkbox"/> |           |            | 3683.85     | 0.0580   | P        | 3.8 |

$$y = 0.0167 * x + 0.0072$$

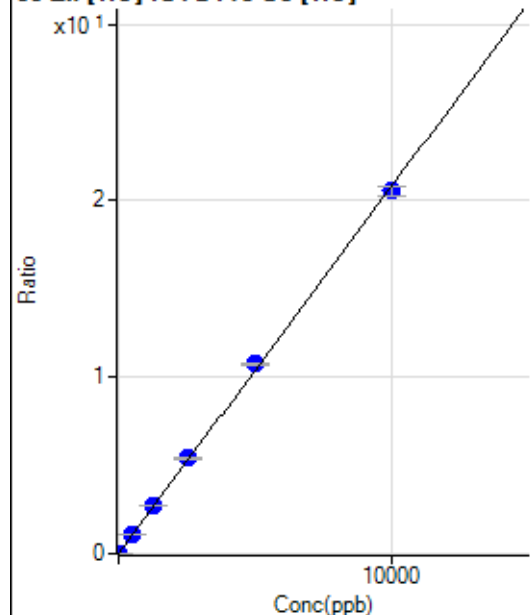
$$R = 0.9998$$

$$DL = 0.08643$$

$$BEC = 0.4316$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 162.23     | 0.0023  | P        | 2.8  |
| 2 | <input type="checkbox"/> | 2.000     | 5.063      | 920.04     | 0.0128  | P        | 10.7 |
| 3 | <input type="checkbox"/> | 500.000   | 525.991    | 76135.29   | 1.0960  | P        | 1.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1300.992   | 182823.50  | 2.7074  | P        | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2592.599   | 351570.19  | 5.3930  | P        | 1.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 5176.619   | 692533.81  | 10.7660 | P        | 1.0  |
| 7 | <input type="checkbox"/> | 10000.000 | 9880.866   | 1316491.54 | 20.5475 | P        | 2.5  |
| 8 | <input type="checkbox"/> |           |            | 1651.23    | 0.0260  | P        | 3.9  |

$$y = 0.0021 * x + 0.0023$$

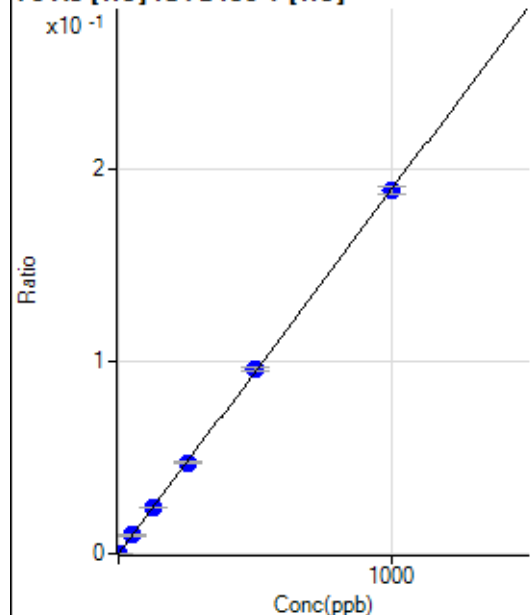
$$R = 0.9997$$

$$DL = 0.09207$$

$$BEC = 1.089$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.11     | 0.0000 | P        | 173. |
| 2 | <input type="checkbox"/> | 1.000    | 1.060      | 84.45    | 0.0002 | P        | 15.0 |
| 3 | <input type="checkbox"/> | 50.000   | 50.324     | 3830.56  | 0.0095 | P        | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 125.298    | 9248.67  | 0.0237 | P        | 1.7  |
| 5 | <input type="checkbox"/> | 250.000  | 249.044    | 17974.89 | 0.0472 | P        | 1.9  |
| 6 | <input type="checkbox"/> | 500.000  | 507.350    | 35984.84 | 0.0961 | P        | 2.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.510    | 69607.63 | 0.1887 | P        | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 67.78    | 0.0002 | P        | 24.9 |

$$y = 1.8934E-004 * x + 2.6961E-006$$

$$R = 1.0000$$

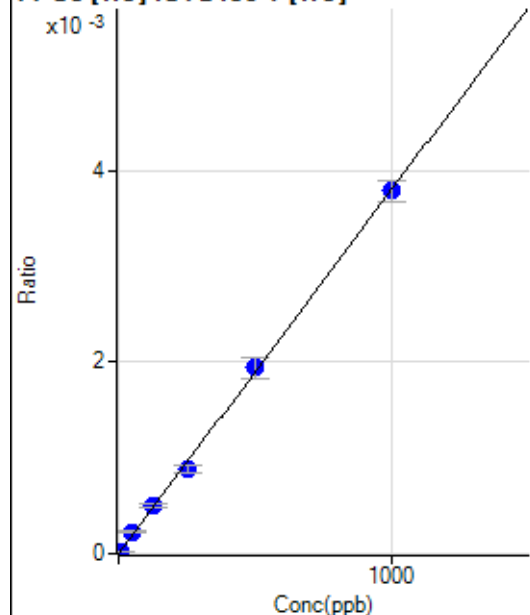
$$DL = 0.07399$$

$$BEC = 0.01424$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|---------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00    | 0.0000 | P        |      |
| 2 | <input type="checkbox"/> | 5.000    | 4.237      | 6.67    | 0.0000 | P        | 50.7 |
| 3 | <input type="checkbox"/> | 50.000   | 58.951     | 90.00   | 0.0002 | P        | 10.7 |
| 4 | <input type="checkbox"/> | 125.000  | 132.060    | 195.56  | 0.0005 | P        | 8.8  |
| 5 | <input type="checkbox"/> | 250.000  | 232.444    | 336.67  | 0.0009 | P        | 8.9  |
| 6 | <input type="checkbox"/> | 500.000  | 512.016    | 728.91  | 0.0019 | P        | 11.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 997.054    | 1397.86 | 0.0038 | P        | 6.1  |
| 8 | <input type="checkbox"/> |          |            | 1.11    | 0.0000 | P        | 173. |

$$y = 3.8004\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9996$$

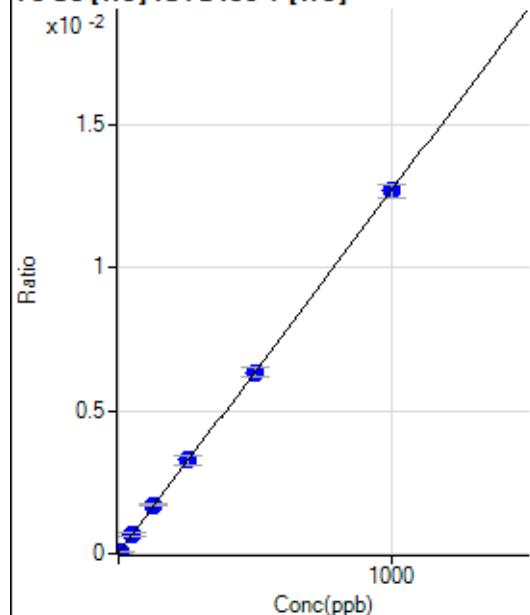
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|---------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 10.00   | 0.0000 | P        | 67.0 |
| 2 | <input type="checkbox"/> | 5.000    | 5.061      | 36.67   | 0.0001 | P        | 9.6  |
| 3 | <input type="checkbox"/> | 50.000   | 52.258     | 276.67  | 0.0007 | P        | 17.0 |
| 4 | <input type="checkbox"/> | 125.000  | 131.981    | 662.25  | 0.0017 | P        | 3.1  |
| 5 | <input type="checkbox"/> | 250.000  | 255.806    | 1246.74 | 0.0033 | P        | 10.4 |
| 6 | <input type="checkbox"/> | 500.000  | 498.334    | 2378.00 | 0.0063 | P        | 5.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.396    | 4685.28 | 0.0127 | P        | 3.6  |
| 8 | <input type="checkbox"/> |          |            | 20.00   | 0.0001 | P        | 16.5 |

$$y = 1.2690\text{E-}005 * x + 2.4206\text{E-}005$$

$$R = 1.0000$$

$$DL = 3.836$$

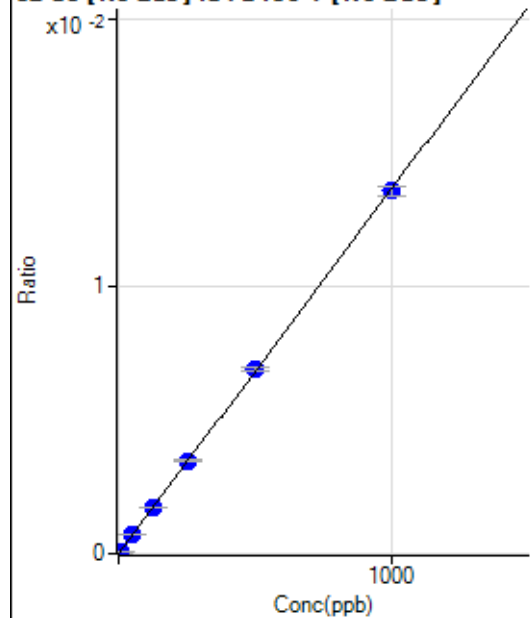
$$BEC = 1.907$$

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"/> |       |            | 1697.90 |       | P        | 3.5 |
| 2 | <input type="checkbox"/> |       |            | 1652.33 |       | P        | 3.9 |
| 3 | <input type="checkbox"/> |       |            | 1553.44 |       | P        | 7.1 |
| 4 | <input type="checkbox"/> |       |            | 1544.54 |       | P        | 6.7 |
| 5 | <input type="checkbox"/> |       |            | 1390.08 |       | P        | 5.7 |
| 6 | <input type="checkbox"/> |       |            | 1373.41 |       | P        | 5.9 |
| 7 | <input type="checkbox"/> |       |            | 1395.64 |       | P        | 5.9 |
| 8 | <input type="checkbox"/> |       |            | 1631.22 |       | P        | 5.3 |

**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      | -14.45   | 0.0000 | P        | -46. |
| 2 | <input type="checkbox"/> | 5.000    | 4.807      | 281.12   | 0.0001 | P        | 16.7 |
| 3 | <input type="checkbox"/> | 50.000   | 51.460     | 3190.43  | 0.0007 | P        | 4.5  |
| 4 | <input type="checkbox"/> | 125.000  | 127.736    | 7528.83  | 0.0017 | P        | 2.2  |
| 5 | <input type="checkbox"/> | 250.000  | 255.411    | 14812.52 | 0.0035 | P        | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 506.732    | 29592.62 | 0.0069 | P        | 2.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.867    | 58159.40 | 0.0136 | P        | 2.9  |
| 8 | <input type="checkbox"/> |          |            | 41.11    | 0.0000 | P        | 115. |

$$y = 1.3626E-005 * x - 3.1602E-006$$

$$R = 0.9999$$

$$DL = 0.3257$$

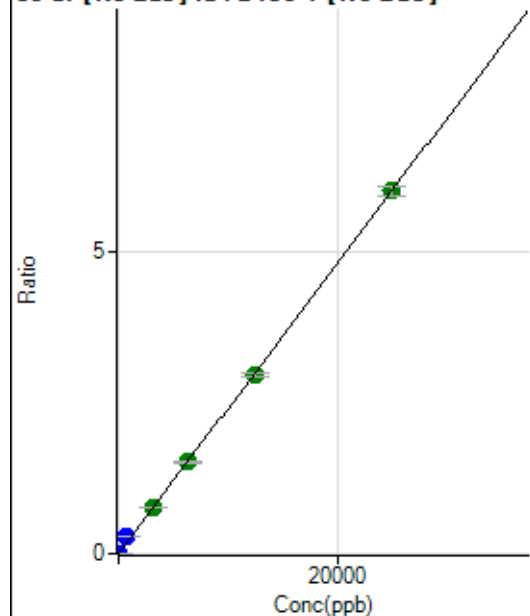
$$BEC = -0.2319$$

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"/> |       |            | 132.23 |       | P        | 5.8  |
| 2 | <input type="checkbox"/> |       |            | 125.56 |       | P        | 16.9 |
| 3 | <input type="checkbox"/> |       |            | 112.22 |       | P        | 13.7 |
| 4 | <input type="checkbox"/> |       |            | 108.89 |       | P        | 17.4 |
| 5 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 9.2  |
| 6 | <input type="checkbox"/> |       |            | 107.78 |       | P        | 33.1 |
| 7 | <input type="checkbox"/> |       |            | 112.22 |       | P        | 14.0 |
| 8 | <input type="checkbox"/> |       |            | 137.78 |       | P        | 26.5 |

**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      | 226.67      | 0.0000 | P        | 9.1 |
| 2 | <input type="checkbox"/> | 1.000     | 0.964      | 1272.30     | 0.0003 | P        | 3.0 |
| 3 | <input type="checkbox"/> | 625.000   | 1244.174   | 1366623.28  | 0.2992 | P        | 1.8 |
| 4 | <input type="checkbox"/> | 3125.000  | 3223.074   | 3357829.54  | 0.7749 | A        | 0.5 |
| 5 | <input type="checkbox"/> | 6250.000  | 6327.213   | 6478318.24  | 1.5212 | A        | 1.2 |
| 6 | <input type="checkbox"/> | 12500.000 | 12335.665  | 12718443.28 | 2.9656 | A        | 1.4 |
| 7 | <input type="checkbox"/> | 25000.000 | 25035.125  | 25833517.39 | 6.0187 | A        | 2.3 |
| 8 | <input type="checkbox"/> |           |            | 3869.47     | 0.0010 | P        | 7.2 |

$$y = 2.4041E-004 * x + 4.9733E-005$$

$$R = 0.9997$$

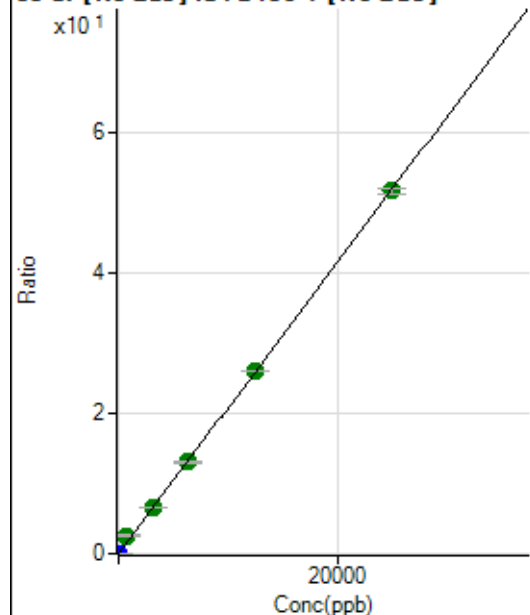
$$DL = 0.0563$$

$$BEC = 0.2069$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 300.01      | 0.0001  | P        | 23.6 |
| 2 | <input type="checkbox"/> | 1.000     | 0.953      | 9213.12     | 0.0020  | P        | 3.9  |
| 3 | <input type="checkbox"/> | 625.000   | 1248.802   | 11808845.10 | 2.5849  | A        | 1.7  |
| 4 | <input type="checkbox"/> | 3125.000  | 3180.509   | 28524368.74 | 6.5834  | A        | 1.4  |
| 5 | <input type="checkbox"/> | 6250.000  | 6279.656   | 55362066.40 | 12.9982 | A        | 0.7  |
| 6 | <input type="checkbox"/> | 12500.000 | 12559.116  | 111488796.1 | 25.9960 | A        | 0.6  |
| 7 | <input type="checkbox"/> | 25000.000 | 24940.494  | 221595967.8 | 51.6240 | A        | 1.6  |
| 8 | <input type="checkbox"/> |           |            | 31614.87    | 0.0080  | P        | 7.3  |

$$y = 0.0021 * x + 6.6140E-005$$

$$R = 0.9997$$

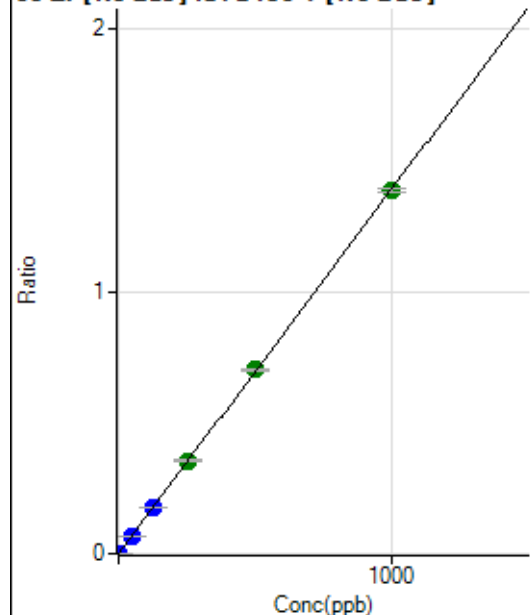
$$DL = 0.02261$$

$$BEC = 0.03195$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 203.33     | 0.0000 | P        | 15.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.896      | 5826.82    | 0.0013 | P        | 1.9  |
| 3 | <input type="checkbox"/> | 50.000   | 49.452     | 313975.46  | 0.0687 | P        | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 125.782    | 757094.38  | 0.1747 | P        | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 253.949    | 1502029.49 | 0.3527 | A        | 2.2  |
| 6 | <input type="checkbox"/> | 500.000  | 506.151    | 3014989.29 | 0.7030 | A        | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.867    | 5937897.90 | 1.3831 | A        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 2511.36    | 0.0006 | P        | 5.9  |

$$y = 0.0014 * x + 4.4678E-005$$

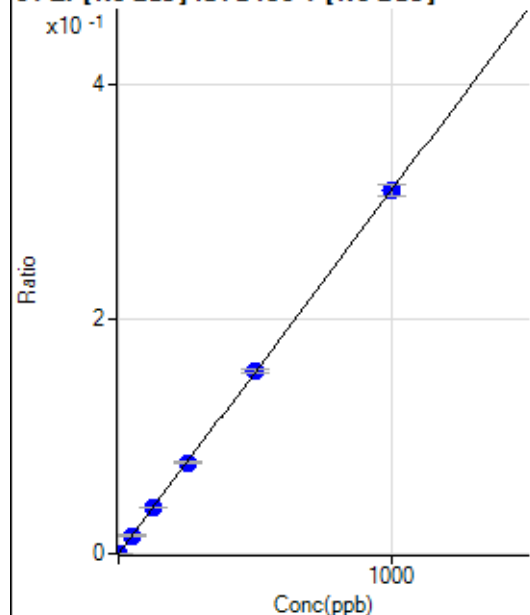
$$R = 1.0000$$

$$DL = 0.01458$$

$$BEC = 0.03217$$

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      | 38.89      | 0.0000 | P    | 19.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.878      | 1266.74    | 0.0003 | P    | 2.3  |
| 3 | <input type="checkbox"/> | 50.000   | 49.651     | 70200.27   | 0.0154 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 127.332    | 170708.95  | 0.0394 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 250.937    | 330609.83  | 0.0776 | P    | 1.6  |
| 6 | <input type="checkbox"/> | 500.000  | 502.241    | 666267.36  | 0.1554 | P    | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.371    | 1325293.31 | 0.3089 | P    | 3.1  |
| 8 | <input type="checkbox"/> |          |            | 576.69     | 0.0001 | P    | 4.3  |

$$y = 3.0935\text{E-}004 * x + 8.5355\text{E-}006$$

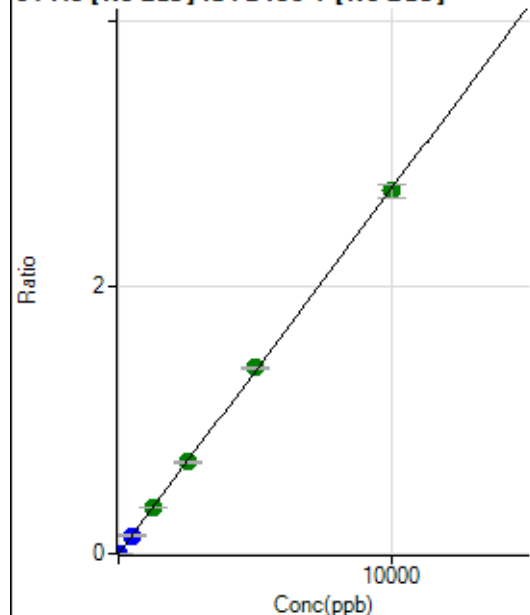
$$R = 1.0000$$

$$DL = 0.01577$$

$$BEC = 0.02759$$

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      | 74.44       | 0.0000 | P    | 4.3 |
| 2 | <input type="checkbox"/> | 5.000     | 5.524      | 6906.21     | 0.0015 | P    | 3.6 |
| 3 | <input type="checkbox"/> | 500.000   | 496.365    | 620747.99   | 0.1359 | P    | 1.7 |
| 4 | <input type="checkbox"/> | 1250.000  | 1281.505   | 1519910.11  | 0.3508 | A    | 1.4 |
| 5 | <input type="checkbox"/> | 2500.000  | 2524.765   | 2942865.17  | 0.6911 | A    | 2.4 |
| 6 | <input type="checkbox"/> | 5000.000  | 5096.106   | 5981429.63  | 1.3949 | A    | 1.6 |
| 7 | <input type="checkbox"/> | 10000.000 | 9941.999   | 11676009.83 | 2.7213 | A    | 3.8 |
| 8 | <input type="checkbox"/> |           |            | 5408.89     | 0.0014 | P    | 6.3 |

$$y = 2.7372\text{E-}004 * x + 1.6366\text{E-}005$$

$$R = 0.9999$$

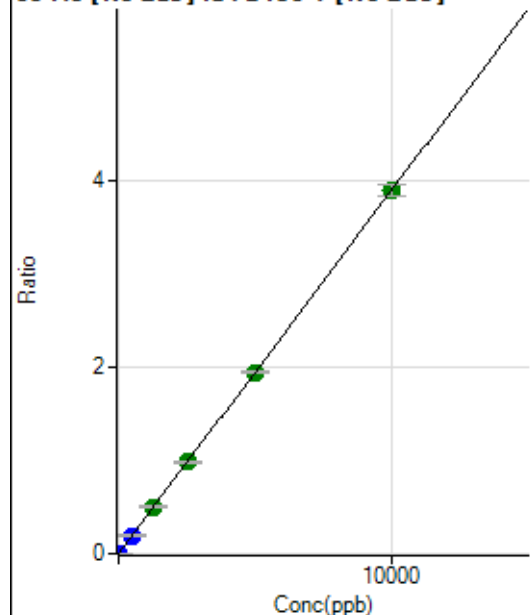
$$DL = 0.007753$$

$$BEC = 0.05979$$

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      | 13.33       | 0.0000 | P    | 63.7 |
| 2 | <input type="checkbox"/> | 5.000     | 4.763      | 8410.40     | 0.0019 | P    | 2.1  |
| 3 | <input type="checkbox"/> | 500.000   | 502.789    | 895804.34   | 0.1961 | P    | 1.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1295.520   | 2189074.27  | 0.5053 | A    | 2.2  |
| 5 | <input type="checkbox"/> | 2500.000  | 2523.942   | 4192204.11  | 0.9844 | A    | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 4998.970   | 8360770.22  | 1.9497 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 9988.700   | 16717958.08 | 3.8957 | A    | 3.2  |
| 8 | <input type="checkbox"/> |           |            | 6912.89     | 0.0018 | P    | 6.4  |

$$y = 3.9001\text{E-}004 * x + 2.9018\text{E-}006$$

$$R = 1.0000$$

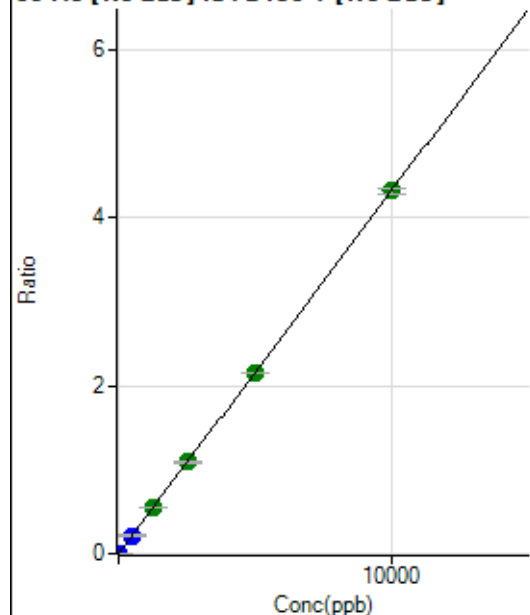
$$DL = 0.01422$$

$$BEC = 0.00744$$

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      | 51.11       | 0.0000 | P    | 22.6 |
| 2 | <input type="checkbox"/> | 5.000     | 4.799      | 9426.63     | 0.0021 | P    | 3.6  |
| 3 | <input type="checkbox"/> | 500.000   | 498.471    | 984395.50   | 0.2155 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1277.609   | 2392829.51  | 0.5523 | A    | 2.2  |
| 5 | <input type="checkbox"/> | 2500.000  | 2526.075   | 4650246.88  | 1.0920 | A    | 1.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 4986.701   | 9244422.85  | 2.1557 | A    | 0.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 9996.756   | 18550750.83 | 4.3215 | A    | 1.3  |
| 8 | <input type="checkbox"/> |           |            | 7893.47     | 0.0020 | P    | 8.2  |

$$y = 4.3229\text{E-}004 * x + 1.1258\text{E-}005$$

$$R = 1.0000$$

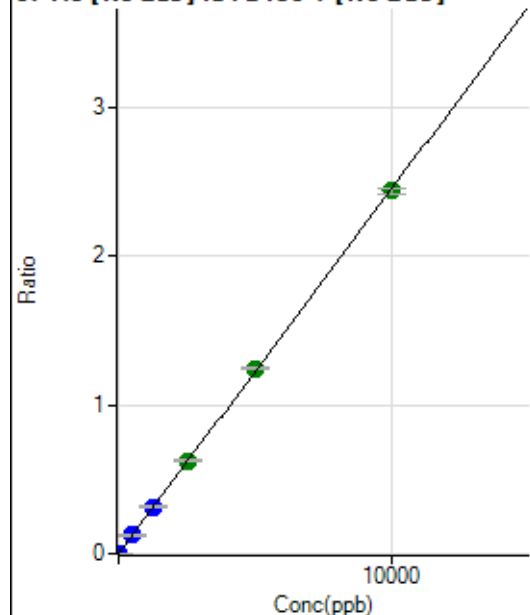
$$DL = 0.01766$$

$$BEC = 0.02604$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 8.89        | 0.0000 | P        | 55.9 |
| 2 | <input type="checkbox"/> | 5.000     | 4.806      | 5336.63     | 0.0012 | P        | 2.9  |
| 3 | <input type="checkbox"/> | 500.000   | 502.131    | 562732.39   | 0.1232 | P        | 1.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1286.364   | 1367407.90  | 0.3156 | P        | 1.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2539.104   | 2652578.99  | 0.6229 | A        | 1.9  |
| 6 | <input type="checkbox"/> | 5000.000  | 5073.658   | 5337288.12  | 1.2447 | A        | 1.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 9948.743   | 10475846.86 | 2.4406 | A        | 1.8  |
| 8 | <input type="checkbox"/> |           |            | 4246.25     | 0.0011 | P        | 5.9  |

$$y = 2.4532\text{E-}004 * x + 1.9410\text{E-}006$$

$$R = 0.9999$$

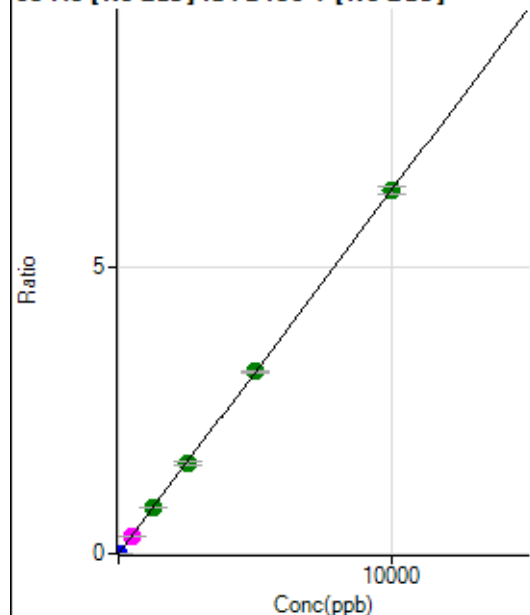
$$DL = 0.01327$$

$$BEC = 0.007912$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 33.33       | 0.0000 | P        | 18.5 |
| 2 | <input type="checkbox"/> | 5.000     | 4.623      | 13261.96    | 0.0029 | P        | 3.7  |
| 3 | <input type="checkbox"/> | 500.000   | 496.504    | 1436337.60  | 0.3144 | M        | 2.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1264.525   | 3468997.93  | 0.8007 | A        | 2.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2496.068   | 6730083.30  | 1.5806 | A        | 2.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 5022.156   | 13638560.35 | 3.1801 | A        | 1.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 9988.264   | 27148302.93 | 6.3248 | A        | 2.0  |
| 8 | <input type="checkbox"/> |           |            | 10866.58    | 0.0028 | P        | 6.5  |

$$y = 6.3322\text{E-}004 * x + 7.3350\text{E-}006$$

$$R = 1.0000$$

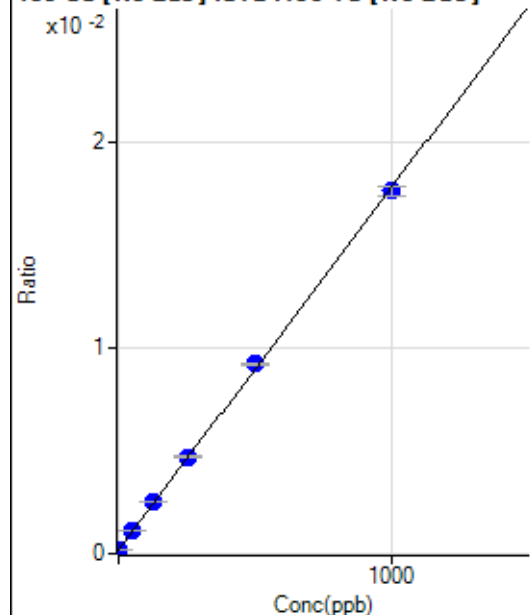
$$DL = 0.006433$$

$$BEC = 0.01158$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|----------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 971.16   | 0.0002 | P        | 3.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.207      | 1108.95  | 0.0002 | P        | 5.0 |
| 3 | <input type="checkbox"/> | 50.000   | 53.563     | 6085.85  | 0.0011 | P        | 1.3 |
| 4 | <input type="checkbox"/> | 125.000  | 132.710    | 13223.12 | 0.0025 | P        | 1.9 |
| 5 | <input type="checkbox"/> | 250.000  | 257.022    | 24297.04 | 0.0047 | P        | 2.9 |
| 6 | <input type="checkbox"/> | 500.000  | 512.461    | 48088.09 | 0.0092 | P        | 1.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 990.872    | 92344.71 | 0.0176 | P        | 2.6 |
| 8 | <input type="checkbox"/> |          |            | 911.15   | 0.0002 | P        | 6.0 |

$$y = 1.7577\text{E-}005 * x + 1.8520\text{E-}004$$

$$R = 0.9998$$

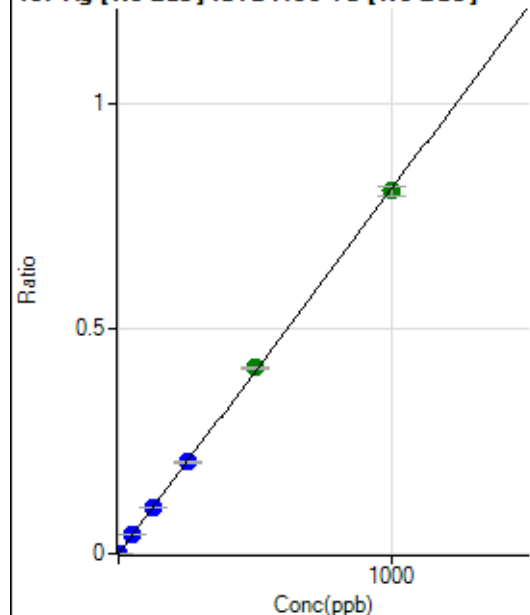
$$DL = 0.9972$$

$$BEC = 10.54$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 56.67      | 0.0000 | P        | 59.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.972      | 4296.27    | 0.0008 | P        | 2.4  |
| 3 | <input type="checkbox"/> | 50.000   | 51.567     | 226202.48  | 0.0419 | P        | 2.4  |
| 4 | <input type="checkbox"/> | 125.000  | 127.583    | 544108.21  | 0.1036 | P        | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 250.812    | 1052297.09 | 0.2037 | P        | 1.6  |
| 6 | <input type="checkbox"/> | 500.000  | 509.085    | 2162427.71 | 0.4134 | A        | 1.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.853    | 4237860.94 | 0.8078 | A        | 2.7  |
| 8 | <input type="checkbox"/> |          |            | 817.81     | 0.0002 | P        | 4.7  |

$$y = 8.1201\text{E-}004 * x + 1.0752\text{E-}005$$

$$R = 0.9999$$

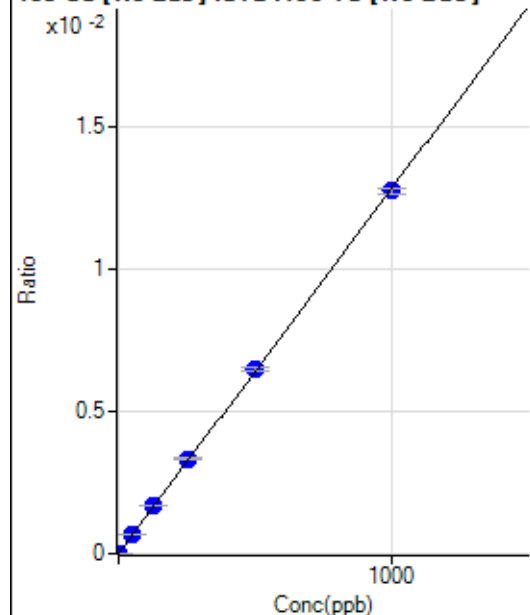
$$DL = 0.02373$$

$$BEC = 0.01324$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4.44     | 0.0000 | P        | 114. |
| 2 | <input type="checkbox"/> | 1.000    | 0.902      | 66.66    | 0.0000 | P        | 32.1 |
| 3 | <input type="checkbox"/> | 50.000   | 52.254     | 3627.18  | 0.0007 | P        | 3.6  |
| 4 | <input type="checkbox"/> | 125.000  | 131.122    | 8845.14  | 0.0017 | P        | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 259.923    | 17245.37 | 0.0033 | P        | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 504.638    | 33894.97 | 0.0065 | P        | 2.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.322    | 66988.71 | 0.0128 | P        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 75.56    | 0.0000 | P        | 16.9 |

$$y = 1.2839\text{E-}005 * x + 8.4967\text{E-}007$$

$$R = 0.9999$$

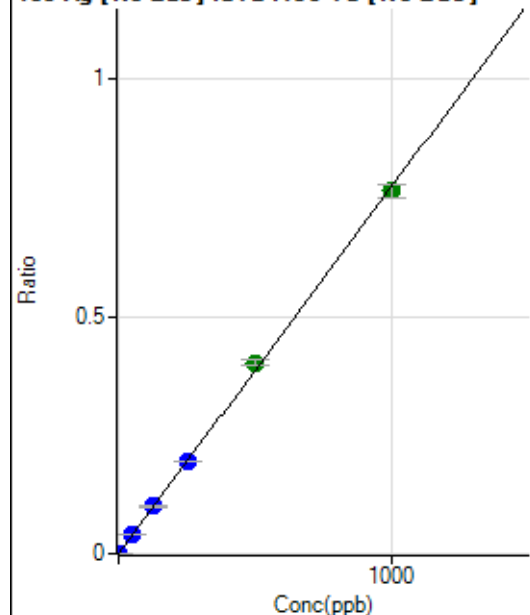
$$DL = 0.2262$$

$$BEC = 0.06618$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 43.33      | 0.0000 | P        | 49.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.972      | 4082.87    | 0.0008 | P        | 1.7  |
| 3 | <input type="checkbox"/> | 50.000   | 51.867     | 216828.93  | 0.0402 | P        | 2.9  |
| 4 | <input type="checkbox"/> | 125.000  | 129.081    | 524691.86  | 0.0999 | P        | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 251.195    | 1004602.30 | 0.1944 | P        | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 520.756    | 2108348.44 | 0.4031 | A        | 2.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 988.720    | 4013708.76 | 0.7653 | A        | 3.9  |
| 8 | <input type="checkbox"/> |          |            | 773.36     | 0.0002 | P        | 11.8 |

$$y = 7.7397\text{E-}004 * x + 8.2411\text{E-}006$$

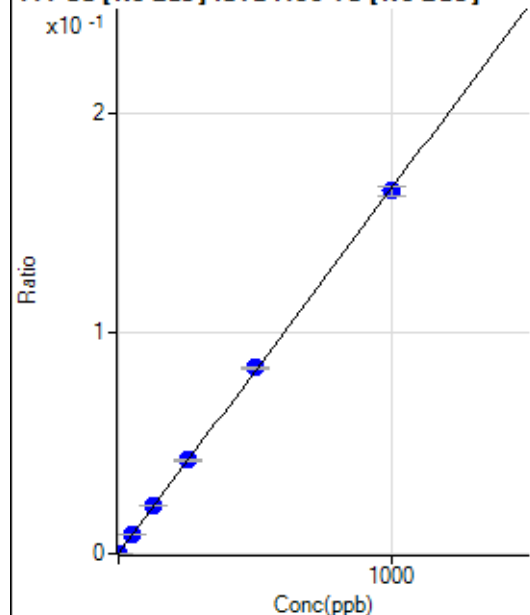
$$R = 0.9997$$

$$DL = 0.01576$$

$$BEC = 0.01065$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 686.70    | 0.0001 | P    | 4.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.054      | 1639.64   | 0.0003 | P    | 2.5 |
| 3 | <input type="checkbox"/> | 50.000   | 53.070     | 48125.80  | 0.0089 | P    | 2.1 |
| 4 | <input type="checkbox"/> | 125.000  | 132.006    | 115371.14 | 0.0220 | P    | 1.5 |
| 5 | <input type="checkbox"/> | 250.000  | 256.226    | 219681.60 | 0.0425 | P    | 1.9 |
| 6 | <input type="checkbox"/> | 500.000  | 508.190    | 440512.67 | 0.0842 | P    | 1.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 993.319    | 862726.75 | 0.1645 | P    | 2.9 |
| 8 | <input type="checkbox"/> |          |            | 841.59    | 0.0002 | P    | 5.6 |

$$y = 1.6544\text{E-}004 * x + 1.3095\text{E-}004$$

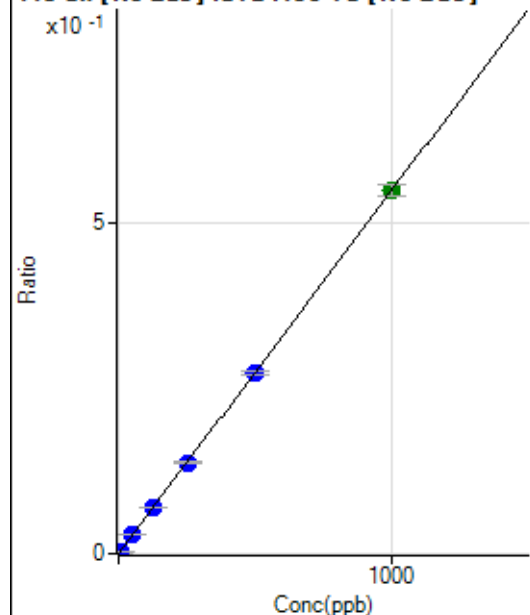
$$R = 0.9999$$

$$DL = 0.1009$$

$$BEC = 0.7915$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 420.01     | 0.0001 | P    | 16.7 |
| 2 | <input type="checkbox"/> | 5.000    | 4.709      | 14294.22   | 0.0027 | P    | 0.8  |
| 3 | <input type="checkbox"/> | 50.000   | 50.906     | 151179.01  | 0.0280 | P    | 2.0  |
| 4 | <input type="checkbox"/> | 125.000  | 127.559    | 367684.90  | 0.0700 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 250.000  | 250.387    | 709704.98  | 0.1374 | P    | 1.8  |
| 6 | <input type="checkbox"/> | 500.000  | 499.948    | 1434261.54 | 0.2742 | P    | 2.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.566    | 2875406.14 | 0.5481 | A    | 3.2  |
| 8 | <input type="checkbox"/> |          |            | 2812.54    | 0.0006 | P    | 0.5  |

$$y = 5.4829\text{E-}004 * x + 7.9962\text{E-}005$$

$$R = 1.0000$$

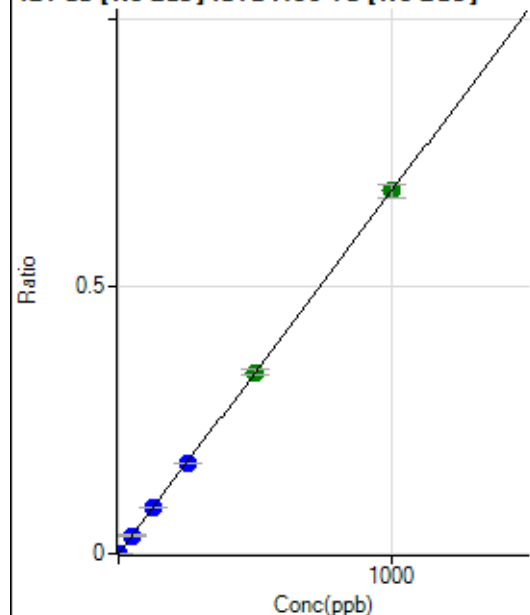
$$DL = 0.07313$$

$$BEC = 0.1458$$

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    | 32.6 |
| 2 | <input type="checkbox"/> | 2.000    | 1.876      | 6852.91    | 0.0013 | P    | 1.1  |
| 3 | <input type="checkbox"/> | 50.000   | 49.980     | 183004.10  | 0.0339 | P    | 3.1  |
| 4 | <input type="checkbox"/> | 125.000  | 126.188    | 449277.63  | 0.0856 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 248.505    | 870496.74  | 0.1685 | P    | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 499.374    | 1770690.56 | 0.3386 | A    | 3.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.539   | 3557877.14 | 0.6783 | A    | 3.8  |
| 8 | <input type="checkbox"/> |          |            | 2729.19    | 0.0006 | P    | 8.6  |

$$y = 6.7795E-004 * x + 4.2486E-006$$

$$R = 1.0000$$

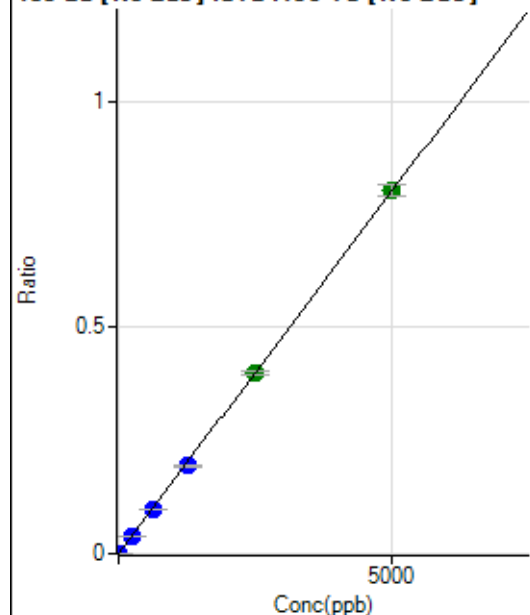
$$DL = 0.006134$$

$$BEC = 0.006267$$

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      | 58.89      | 0.0000 | P    | 33.6 |
| 2 | <input type="checkbox"/> | 10.000   | 9.229      | 7993.54    | 0.0015 | P    | 2.1  |
| 3 | <input type="checkbox"/> | 250.000  | 245.026    | 211933.89  | 0.0392 | P    | 2.2  |
| 4 | <input type="checkbox"/> | 625.000  | 617.230    | 519026.88  | 0.0988 | P    | 1.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1220.375   | 1009507.80 | 0.1954 | P    | 2.1  |
| 6 | <input type="checkbox"/> | 2500.000 | 2493.220   | 2088155.07 | 0.3992 | A    | 2.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5012.018   | 4209220.70 | 0.8025 | A    | 3.3  |
| 8 | <input type="checkbox"/> |          |            | 1705.68    | 0.0004 | P    | 9.2  |

$$y = 1.6010E-004 * x + 1.1261E-005$$

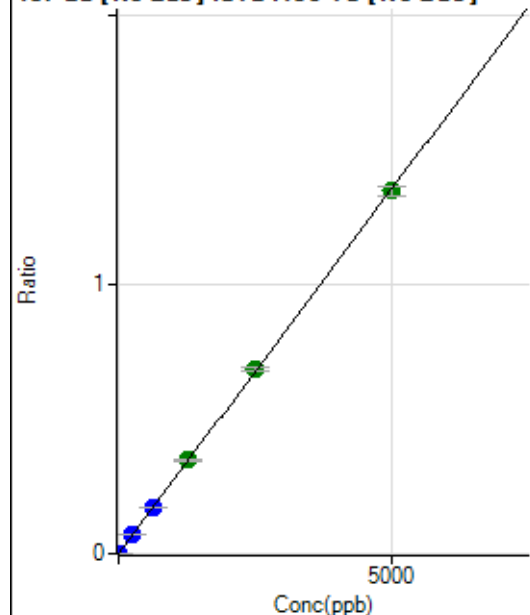
$$R = 1.0000$$

$$DL = 0.07092$$

$$BEC = 0.07033$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 45.56      | 0.0000 | P        | 29.2 |
| 2 | <input type="checkbox"/> | 10.000   | 9.597      | 13997.34   | 0.0026 | P        | 2.1  |
| 3 | <input type="checkbox"/> | 250.000  | 252.963    | 369953.50  | 0.0685 | P        | 1.5  |
| 4 | <input type="checkbox"/> | 625.000  | 634.012    | 901402.49  | 0.1716 | P        | 1.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1281.240   | 1792498.46 | 0.3469 | A        | 1.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2525.622   | 3576452.80 | 0.6837 | A        | 2.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4978.105   | 7070492.95 | 1.3477 | A        | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 2997.03    | 0.0006 | P        | 3.6  |

$$y = 2.7072E-004 * x + 8.7084E-006$$

$$R = 1.0000$$

$$DL = 0.02816$$

$$BEC = 0.03217$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 43.4 |
| 2 | <input type="checkbox"/> |       |            | 10.00  |       | P        | 88.2 |
| 3 | <input type="checkbox"/> |       |            | 26.67  |       | P        | 62.5 |
| 4 | <input type="checkbox"/> |       |            | 55.55  |       | P        | 12.5 |
| 5 | <input type="checkbox"/> |       |            | 94.45  |       | P        | 26.0 |
| 6 | <input type="checkbox"/> |       |            | 180.00 |       | P        | 5.6  |
| 7 | <input type="checkbox"/> |       |            | 366.67 |       | P        | 11.8 |
| 8 | <input type="checkbox"/> |       |            | 85.56  |       | P        | 39.2 |

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

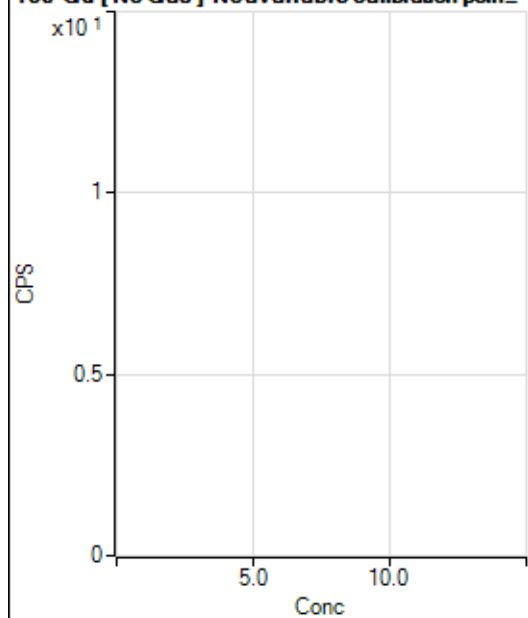
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100. |
| 4 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7 |
| 5 | <input type="checkbox"/> |       |            | 15.56 |       | P        | 12.4 |
| 6 | <input type="checkbox"/> |       |            | 28.89 |       | P        | 17.6 |
| 7 | <input type="checkbox"/> |       |            | 58.89 |       | P        | 16.3 |
| 8 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 54.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 50.0 |
| 2 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 0.0  |
| 3 | <input type="checkbox"/> |       |            | 14.44  |       | P        | 66.6 |
| 4 | <input type="checkbox"/> |       |            | 41.11  |       | P        | 20.4 |
| 5 | <input type="checkbox"/> |       |            | 101.11 |       | P        | 27.7 |
| 6 | <input type="checkbox"/> |       |            | 156.67 |       | P        | 5.6  |
| 7 | <input type="checkbox"/> |       |            | 367.79 |       | P        | 2.9  |
| 8 | <input type="checkbox"/> |       |            | 284.45 |       | P        | 12.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 50.0 |
| 4 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 45.8 |
| 5 | <input type="checkbox"/> |       |            | 43.33  |       | P        | 38.5 |
| 6 | <input type="checkbox"/> |       |            | 56.67  |       | P        | 10.2 |
| 7 | <input type="checkbox"/> |       |            | 126.67 |       | P        | 20.9 |
| 8 | <input type="checkbox"/> |       |            | 111.11 |       | P        | 23.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 24.44  |       | P        | 67.3 |
| 2 | <input type="checkbox"/> |       |            | 32.22  |       | P        | 41.8 |
| 3 | <input type="checkbox"/> |       |            | 41.11  |       | P        | 24.8 |
| 4 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 9.2  |
| 5 | <input type="checkbox"/> |       |            | 95.56  |       | P        | 5.3  |
| 6 | <input type="checkbox"/> |       |            | 154.45 |       | P        | 18.4 |
| 7 | <input type="checkbox"/> |       |            | 293.34 |       | P        | 15.0 |
| 8 | <input type="checkbox"/> |       |            | 275.56 |       | P        | 3.0  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 51.11  |       | P        | 27.2 |
| 2 | <input type="checkbox"/> |       |            | 47.78  |       | P        | 46.5 |
| 3 | <input type="checkbox"/> |       |            | 53.33  |       | P        | 16.5 |
| 4 | <input type="checkbox"/> |       |            | 62.22  |       | P        | 24.7 |
| 5 | <input type="checkbox"/> |       |            | 75.56  |       | P        | 24.3 |
| 6 | <input type="checkbox"/> |       |            | 122.22 |       | P        | 22.9 |
| 7 | <input type="checkbox"/> |       |            | 171.12 |       | P        | 24.8 |
| 8 | <input type="checkbox"/> |       |            | 192.23 |       | P        | 9.5  |

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

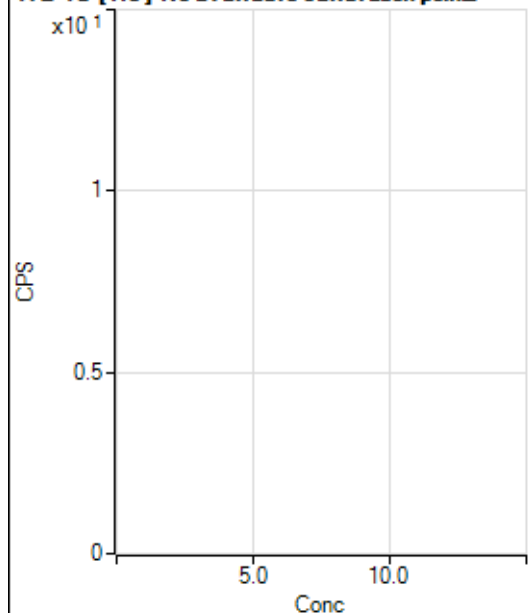
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 37.78  |       | P        | 13.5 |
| 2 | <input type="checkbox"/> |       |            | 35.56  |       | P        | 35.5 |
| 3 | <input type="checkbox"/> |       |            | 41.11  |       | P        | 40.8 |
| 4 | <input type="checkbox"/> |       |            | 53.33  |       | P        | 16.5 |
| 5 | <input type="checkbox"/> |       |            | 70.00  |       | P        | 12.6 |
| 6 | <input type="checkbox"/> |       |            | 101.11 |       | P        | 10.6 |
| 7 | <input type="checkbox"/> |       |            | 193.33 |       | P        | 16.6 |
| 8 | <input type="checkbox"/> |       |            | 141.12 |       | P        | 11.2 |

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

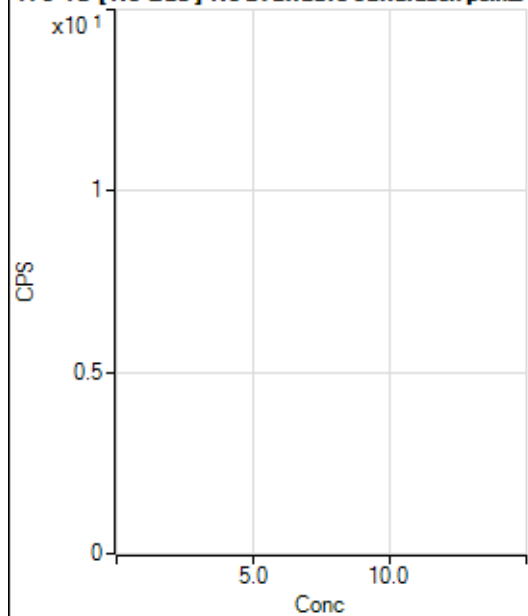
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 78.1 |
| 2 | <input type="checkbox"/> |       |            | 14.45 |       | P        | 48.0 |
| 3 | <input type="checkbox"/> |       |            | 15.55 |       | P        | 44.6 |
| 4 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 34.6 |
| 5 | <input type="checkbox"/> |       |            | 24.44 |       | P        | 20.8 |
| 6 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 17.3 |
| 7 | <input type="checkbox"/> |       |            | 44.45 |       | P        | 30.3 |
| 8 | <input type="checkbox"/> |       |            | 42.22 |       | P        | 25.4 |

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

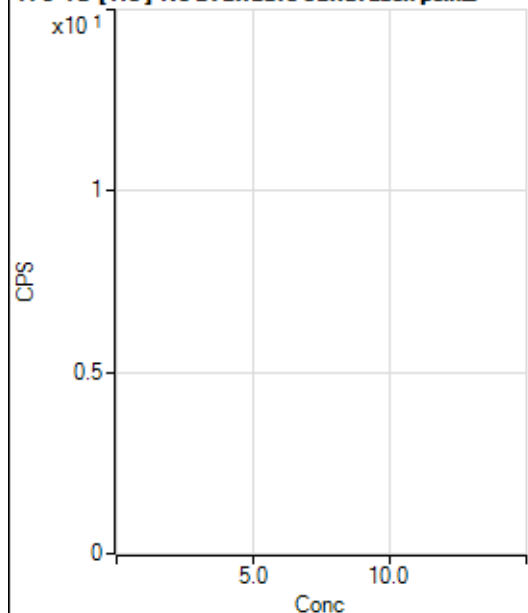
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 28.89  |       | P        | 24.0 |
| 2 | <input type="checkbox"/> |       |            | 41.11  |       | P        | 12.4 |
| 3 | <input type="checkbox"/> |       |            | 43.33  |       | P        | 13.3 |
| 4 | <input type="checkbox"/> |       |            | 40.00  |       | P        | 38.2 |
| 5 | <input type="checkbox"/> |       |            | 72.22  |       | P        | 7.0  |
| 6 | <input type="checkbox"/> |       |            | 77.78  |       | P        | 9.9  |
| 7 | <input type="checkbox"/> |       |            | 133.34 |       | P        | 32.5 |
| 8 | <input type="checkbox"/> |       |            | 168.89 |       | P        | 10.1 |

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

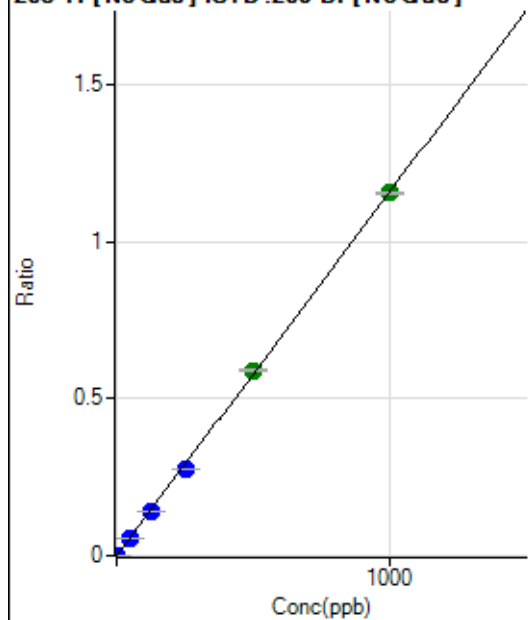
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 20.0 |
| 2 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 56.8 |
| 3 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 33.3 |
| 4 | <input type="checkbox"/> |       |            | 15.55 |       | P        | 24.8 |
| 5 | <input type="checkbox"/> |       |            | 21.11 |       | P        | 36.5 |
| 6 | <input type="checkbox"/> |       |            | 37.78 |       | P        | 41.7 |
| 7 | <input type="checkbox"/> |       |            | 55.55 |       | P        | 19.3 |
| 8 | <input type="checkbox"/> |       |            | 77.78 |       | P        | 28.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 507.80   |       | P        | 2.7 |
| 2 | <input type="checkbox"/> |       |            | 502.24   |       | P        | 9.7 |
| 3 | <input type="checkbox"/> |       |            | 1355.64  |       | P        | 2.7 |
| 4 | <input type="checkbox"/> |       |            | 2598.06  |       | P        | 5.9 |
| 5 | <input type="checkbox"/> |       |            | 4844.28  |       | P        | 2.4 |
| 6 | <input type="checkbox"/> |       |            | 9417.90  |       | P        | 1.7 |
| 7 | <input type="checkbox"/> |       |            | 18062.46 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> |       |            | 560.02   |       | P        | 2.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 5272.23  |       | P        | 1.4 |
| 2 | <input type="checkbox"/> |       |            | 5159.95  |       | P        | 0.8 |
| 3 | <input type="checkbox"/> |       |            | 5313.35  |       | P        | 1.9 |
| 4 | <input type="checkbox"/> |       |            | 5814.68  |       | P        | 1.3 |
| 5 | <input type="checkbox"/> |       |            | 6509.45  |       | P        | 4.3 |
| 6 | <input type="checkbox"/> |       |            | 8229.30  |       | P        | 1.4 |
| 7 | <input type="checkbox"/> |       |            | 11179.28 |       | P        | 3.0 |
| 8 | <input type="checkbox"/> |       |            | 4845.39  |       | P        | 4.5 |

**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      | 73.33      | 0.0000 | P        | 4.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.880      | 3886.17    | 0.0010 | P        | 4.7 |
| 3 | <input type="checkbox"/> | 50.000   | 47.800     | 208704.59  | 0.0553 | P        | 3.2 |
| 4 | <input type="checkbox"/> | 125.000  | 122.491    | 516041.69  | 0.1416 | P        | 1.8 |
| 5 | <input type="checkbox"/> | 250.000  | 238.376    | 1011308.63 | 0.2756 | P        | 1.4 |
| 6 | <input type="checkbox"/> | 500.000  | 510.279    | 2162172.94 | 0.5900 | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 998.190    | 4199293.20 | 1.1540 | A        | 0.3 |
| 8 | <input type="checkbox"/> |          |            | 1275.63    | 0.0004 | P        | 4.2 |

$$y = 0.0012 * x + 1.9246E-005$$

$$R = 0.9999$$

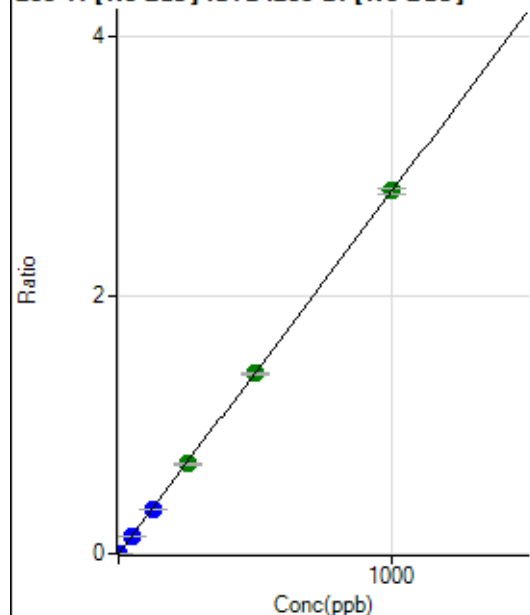
$$DL = 0.002014$$

$$BEC = 0.01665$$

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      | 211.11      | 0.0001 | P   | 17.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.890      | 9555.81     | 0.0025 | P   | 1.0  |
| 3 | <input type="checkbox"/> | 50.000   | 48.253     | 510640.49   | 0.1352 | P   | 2.0  |
| 4 | <input type="checkbox"/> | 125.000  | 122.368    | 1249337.35  | 0.3428 | P   | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 247.893    | 2548440.39  | 0.6945 | A   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 497.320    | 5105003.33  | 1.3932 | A   | 1.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.283   | 10217152.69 | 2.8078 | A   | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 3102.63     | 0.0010 | P   | 2.7  |

$$y = 0.0028 * x + 5.5423E-005$$

$$R = 1.0000$$

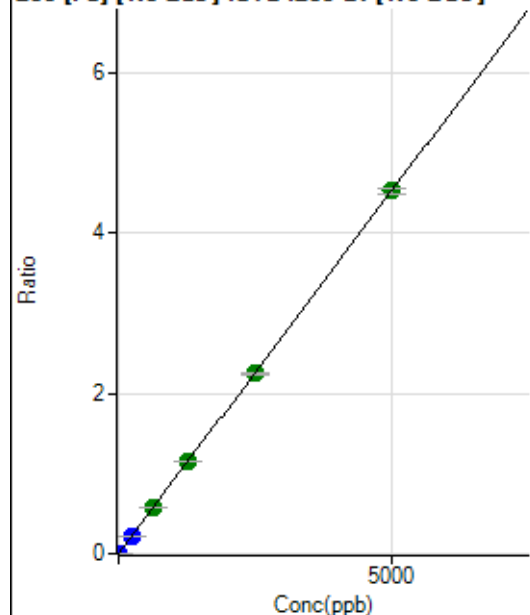
$$DL = 0.01034$$

$$BEC = 0.01978$$

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      | 298.90      | 0.0001 | P   | 3.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.907      | 3370.48     | 0.0009 | P   | 4.4 |
| 3 | <input type="checkbox"/> | 250.000  | 238.249    | 814023.39   | 0.2156 | P   | 3.1 |
| 4 | <input type="checkbox"/> | 625.000  | 631.146    | 2080830.14  | 0.5710 | A   | 1.3 |
| 5 | <input type="checkbox"/> | 1250.000 | 1268.663   | 4211627.30  | 1.1478 | A   | 1.4 |
| 6 | <input type="checkbox"/> | 2500.000 | 2486.225   | 8243543.97  | 2.2492 | A   | 1.1 |
| 7 | <input type="checkbox"/> | 5000.000 | 5002.041   | 16467113.50 | 4.5251 | A   | 1.6 |
| 8 | <input type="checkbox"/> |          |            | 5723.55     | 0.0018 | P   | 3.0 |

$$y = 9.0463E-004 * x + 7.8449E-005$$

$$R = 1.0000$$

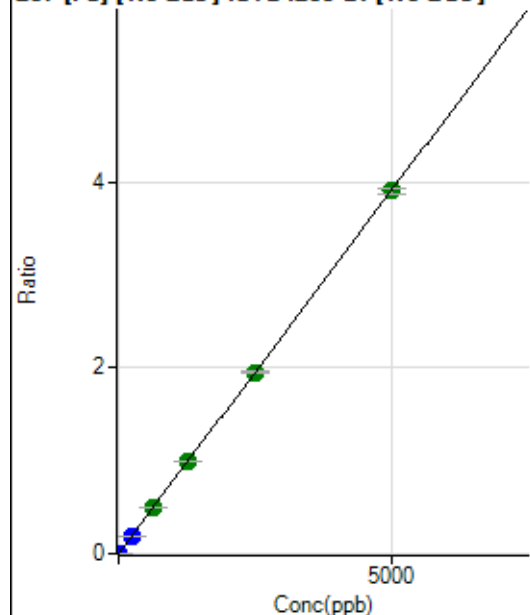
$$DL = 0.01018$$

$$BEC = 0.08672$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 244.45      | 0.0001 | P        | 22.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.993      | 3145.97     | 0.0008 | P        | 4.1  |
| 3 | <input type="checkbox"/> | 250.000  | 244.685    | 721771.35   | 0.1912 | P        | 2.4  |
| 4 | <input type="checkbox"/> | 625.000  | 637.894    | 1815309.78  | 0.4982 | A        | 2.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1268.381   | 3635118.04  | 0.9906 | A        | 0.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2499.283   | 7153779.20  | 1.9519 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 5000.000 | 4994.417   | 14193435.48 | 3.9005 | A        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 4846.51     | 0.0015 | P        | 3.9  |

$$y = 7.8096\text{E-}004 * x + 6.4200\text{E-}005$$

$$R = 1.0000$$

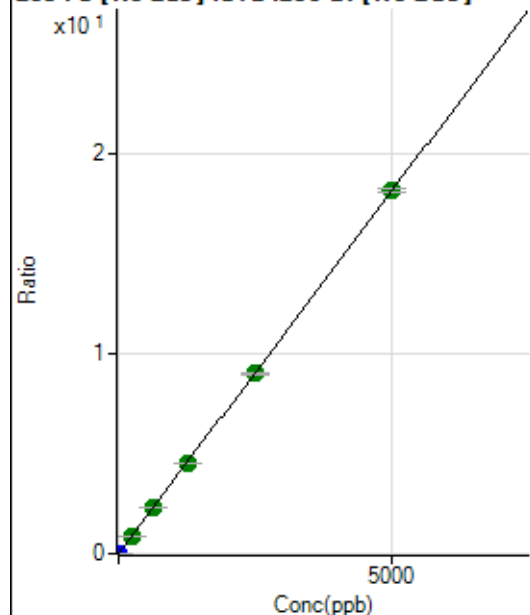
$$DL = 0.05446$$

$$BEC = 0.08221$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1157.82     | 0.0003  | P        | 5.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.949      | 14039.83    | 0.0037  | P        | 2.9 |
| 3 | <input type="checkbox"/> | 250.000  | 247.303    | 3389121.85  | 0.8975  | A        | 2.0 |
| 4 | <input type="checkbox"/> | 625.000  | 633.077    | 8370212.15  | 2.2970  | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1250.000 | 1248.861   | 16626705.49 | 4.5311  | A        | 0.8 |
| 6 | <input type="checkbox"/> | 2500.000 | 2483.541   | 33019778.33 | 9.0104  | A        | 0.5 |
| 7 | <input type="checkbox"/> | 5000.000 | 5007.639   | 66112237.07 | 18.1675 | A        | 1.0 |
| 8 | <input type="checkbox"/> |          |            | 22373.31    | 0.0069  | P        | 2.2 |

$$y = 0.0036 * x + 3.0394\text{E-}004$$

$$R = 1.0000$$

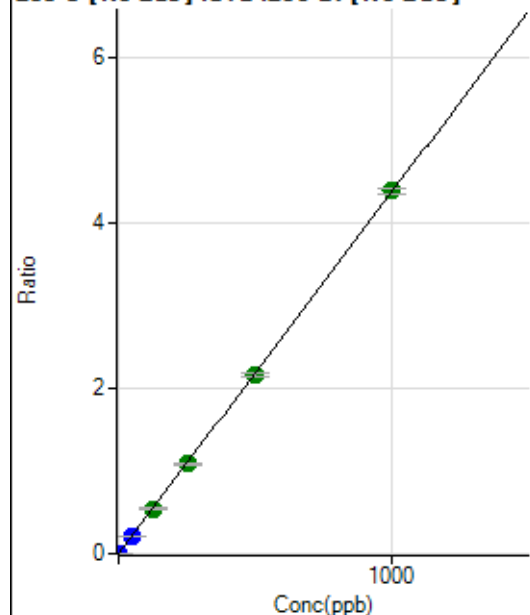
$$DL = 0.01291$$

$$BEC = 0.08378$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 70.00       | 0.0000 | P        | 34.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.824      | 13591.82    | 0.0036 | P        | 1.1  |
| 3 | <input type="checkbox"/> | 50.000   | 46.056     | 761293.65   | 0.2016 | P        | 3.1  |
| 4 | <input type="checkbox"/> | 125.000  | 124.342    | 1984120.11  | 0.5444 | A        | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 247.427    | 3974748.97  | 1.0832 | A        | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 494.400    | 7931129.88  | 2.1644 | A        | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.723   | 15989164.62 | 4.3942 | A        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 3200.45     | 0.0010 | P        | 6.8  |

$$y = 0.0044 * x + 1.8369E-005$$

$$R = 1.0000$$

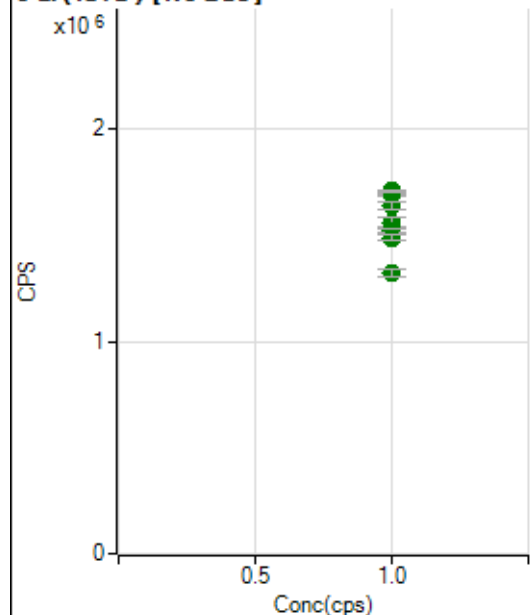
$$DL = 0.004298$$

$$BEC = 0.004196$$

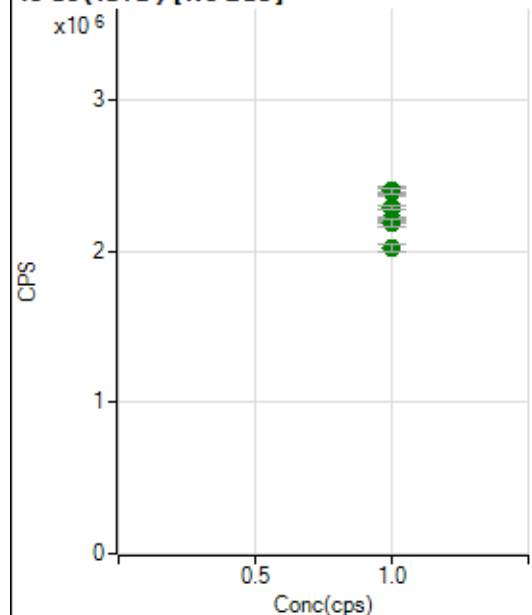
Weight: &lt;None&gt;

Min Conc: 0

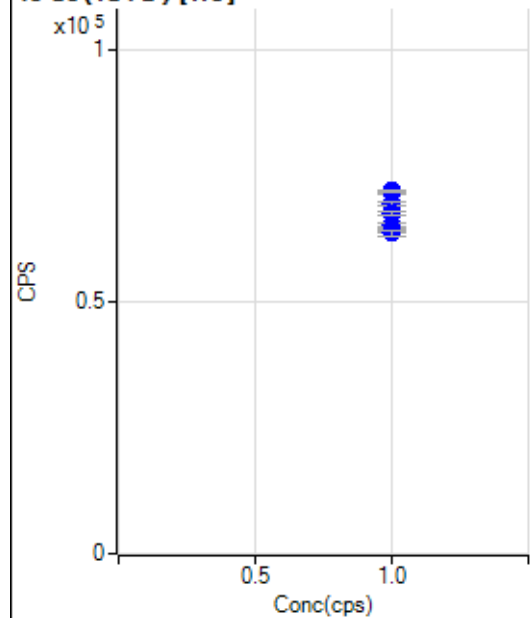
6 Li (ISTD) [No Gas]



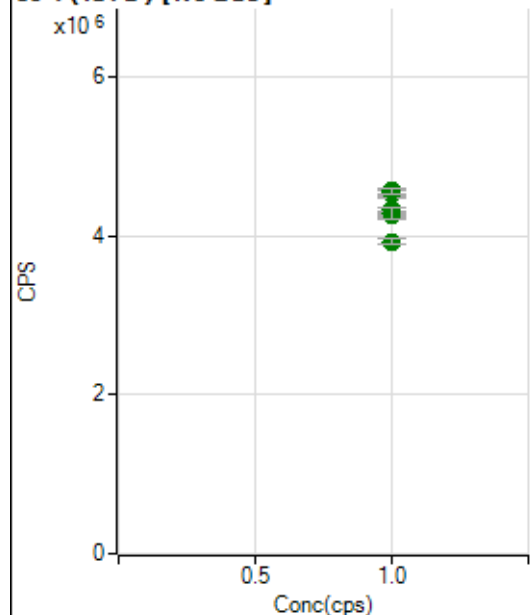
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1692688.94 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1710140.62 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1706012.46 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1642507.67 |       | A        | 2.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1562197.69 |       | A        | 2.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1521242.92 |       | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1491041.54 |       | A        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1322435.92 |       | A        | 2.9 |

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

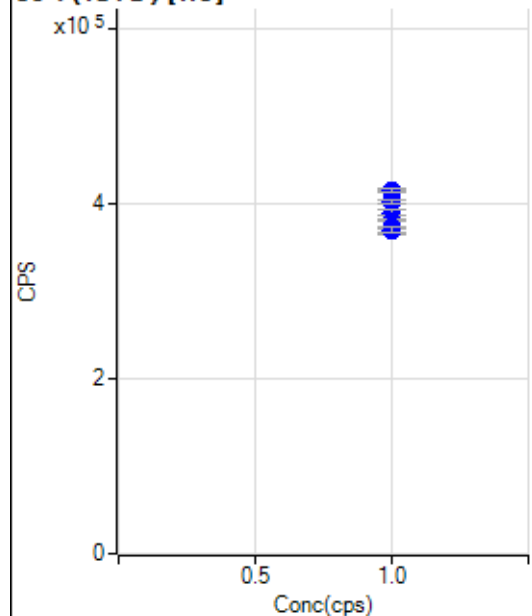
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2387496.15 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2401077.06 |       | A        | 2.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2402251.28 |       | A        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2288144.41 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2219916.96 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2194780.87 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2195155.09 |       | A        | 2.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2022626.41 |       | A        | 2.8 |

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

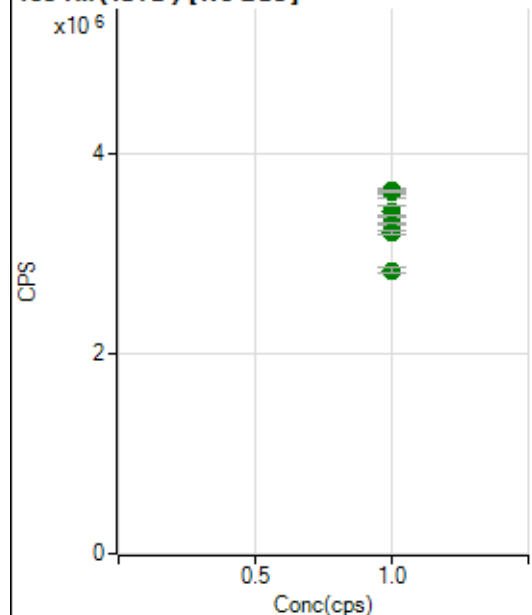
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 71663.22 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 71961.28 |       | P        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 69474.85 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 67529.94 |       | P        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 65194.87 |       | P        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 64327.63 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 64088.89 |       | P        | 1.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 63528.61 |       | P        | 2.0 |

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

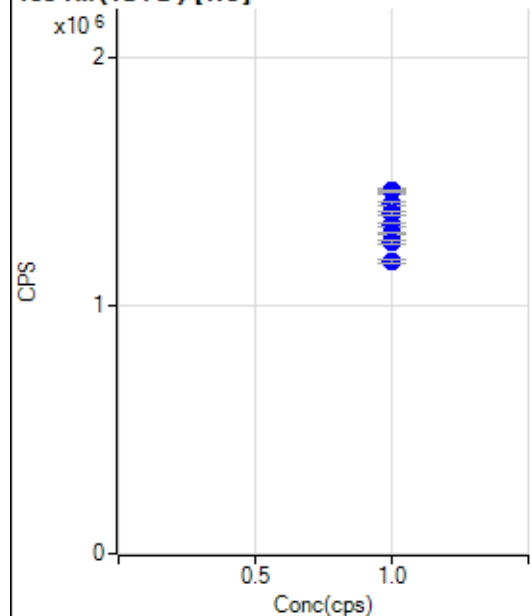
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4551382.74 |       | A        | 2.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4520983.20 |       | A        | 2.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4569052.36 |       | A        | 1.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4333415.94 |       | A        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4259196.02 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4288521.08 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4293910.21 |       | A        | 3.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3934219.42 |       | A        | 1.7 |

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

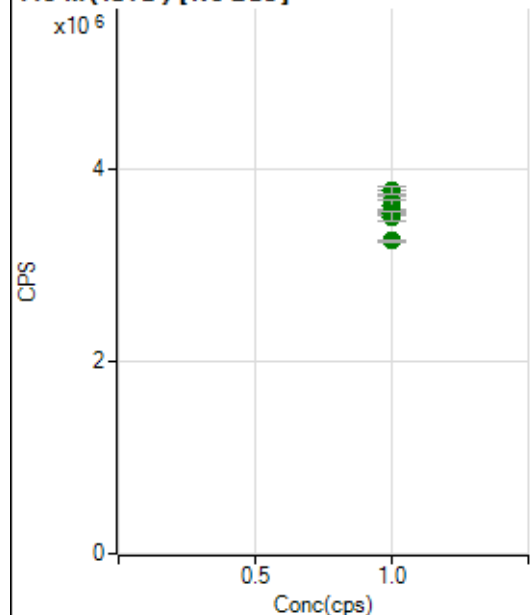
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 413666.94 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 414752.10 |       | P        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 401962.81 |       | P        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 389870.75 |       | P        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 381179.38 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 374595.15 |       | P        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 369015.54 |       | P        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 370284.64 |       | P        | 1.6 |

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

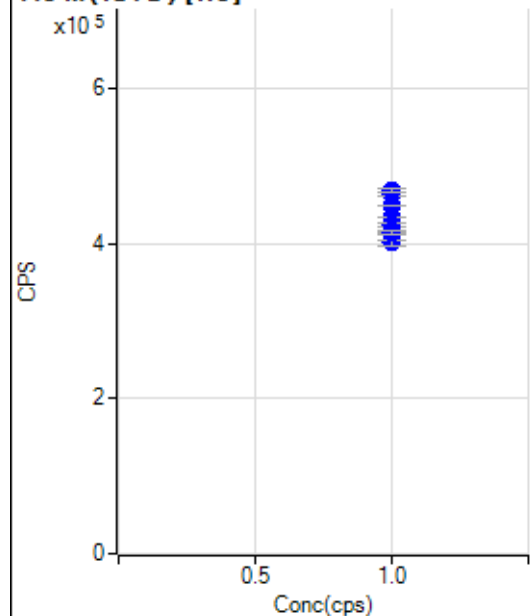
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3604868.35 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3602748.18 |       | A        | 2.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3622699.32 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3424444.81 |       | A        | 2.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3370569.78 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3285661.45 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3207050.16 |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2830961.62 |       | A        | 2.5 |

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

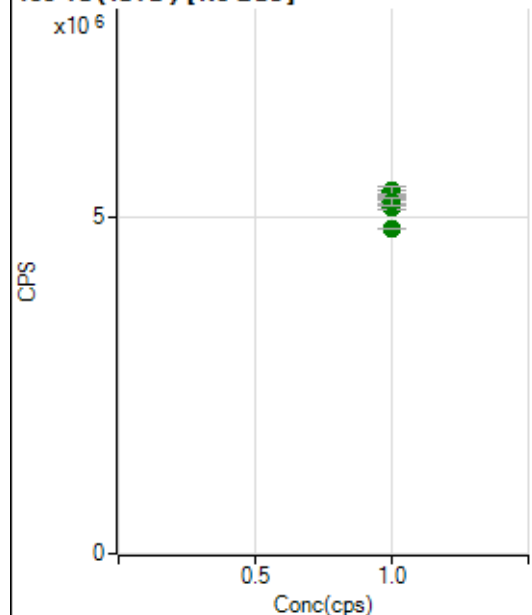
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1463161.56 |       | M        | 1.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1462493.92 |       | P        | 0.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1411698.57 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1371239.30 |       | P        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1325234.49 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1291280.31 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1256788.26 |       | P        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1178543.89 |       | P        | 1.5 |

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

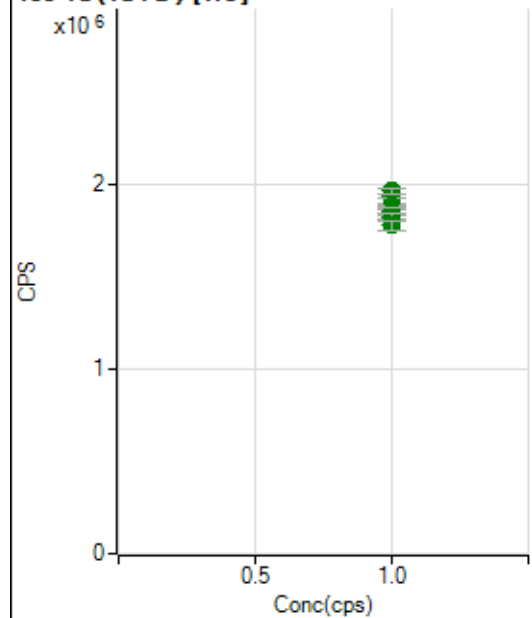
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3745259.38 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3756687.06 |       | A        | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3781153.96 |       | A        | 2.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3637372.37 |       | A        | 2.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3553590.15 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3549618.49 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3515798.81 |       | A        | 2.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3259612.55 |       | A        | 0.7 |

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

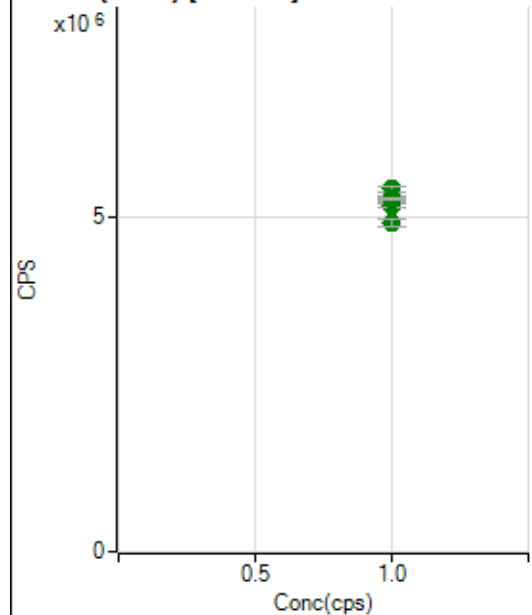
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 463487.77 |       | P        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 467897.84 |       | P        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 449491.15 |       | P        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 433319.86 |       | P        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 423916.79 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 416220.19 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 401059.60 |       | P        | 1.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 413361.33 |       | P        | 1.1 |

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

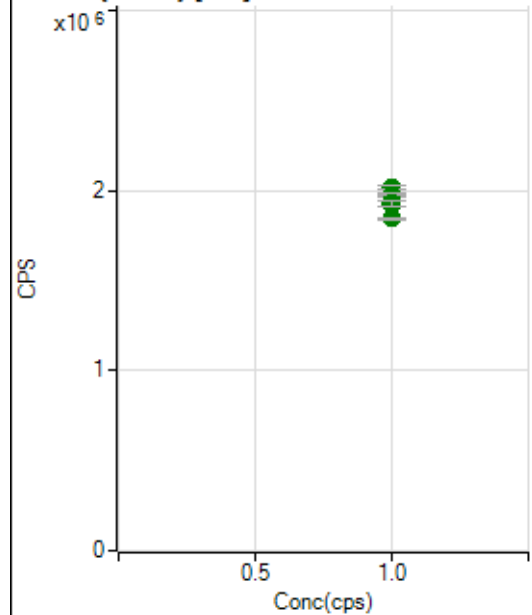
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5244670.86 |       | A        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5370353.04 |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5402465.61 |       | A        | 2.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5252407.42 |       | A        | 2.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5167305.72 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5232087.04 |       | A        | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5248152.35 |       | A        | 2.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4841423.02 |       | A        | 0.3 |

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

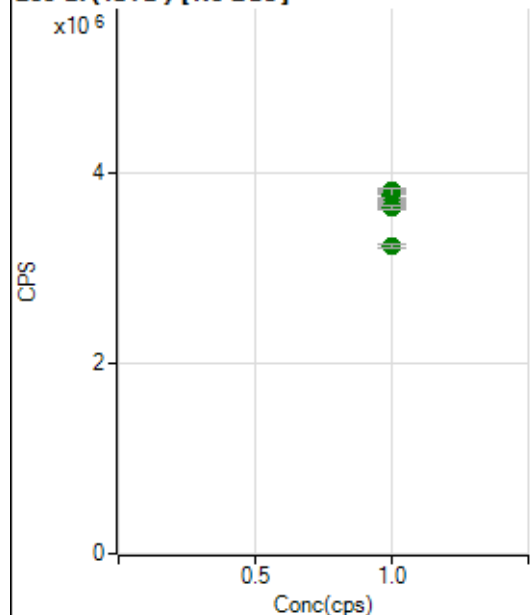
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1933396.36 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1960977.85 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1886442.96 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1874802.24 |       | A        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1822677.33 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1846001.01 |       | A        | 2.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1815161.90 |       | A        | 2.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1773450.81 |       | A        | 2.6 |

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

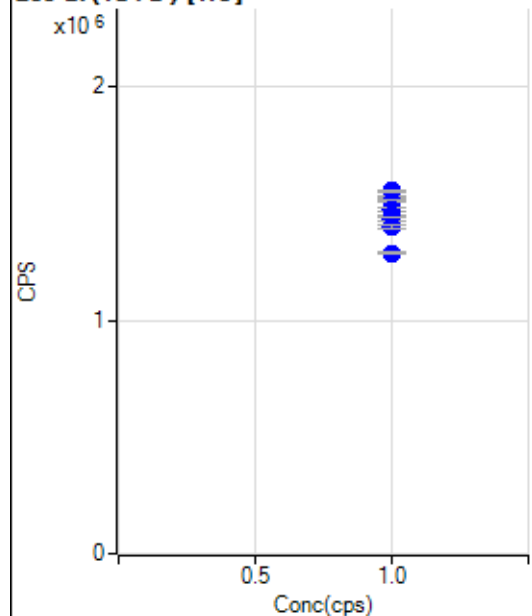
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5328815.47 |       | A        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5246400.79 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5427080.20 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5241821.45 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5184758.15 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5286499.95 |       | A        | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5274696.87 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4919582.39 |       | A        | 2.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1981571.27 |       | A        | 2.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2014403.93 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1979603.98 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1929617.19 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1931104.22 |       | A        | 1.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1925572.30 |       | A        | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1927739.22 |       | A        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1845098.20 |       | A        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3809804.84 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3749503.25 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3777497.65 |       | A        | 2.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3644346.68 |       | A        | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3669624.42 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3664796.85 |       | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3638854.70 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3222137.49 |       | A        | 1.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1529473.93 |       | P        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1554543.94 |       | P        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1511355.85 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1474900.07 |       | P        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1450451.61 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1433081.38 |       | P        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1400479.60 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1289070.78 |       | P        | 1.0 |

# US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP8031824MS.b

Acq. Date-Time 2024-03-18 12:58:30

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    |              | 6985  | 69849.69  |                            |             | 0.730  | 5.000           |
| 24   |              | 60210 | 602102.02 |                            |             | 1.376  | 5.000           |
| 25   |              | 8244  | 82442.56  |                            |             | 0.809  | 5.000           |
| 26   |              | 9478  | 94775.21  |                            |             | 0.643  | 5.000           |
| 59   |              | 43103 | 431025.11 |                            |             | 0.450  | 5.000           |
| 113  |              | 5406  | 54055.54  |                            |             | 0.677  | 5.000           |
| 115  |              | 66723 | 667231.83 |                            |             | 0.592  | 5.000           |
| 206  |              | 19556 | 195557.73 |                            |             | 0.678  | 5.000           |
| 207  |              | 17804 | 178037.23 |                            |             | 0.701  | 5.000           |
| 208  |              | 42694 | 426937.07 |                            |             | 0.811  | 5.000           |
| 220  |              | 0     | 1.60      |                            |             | 40.745 |                 |

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

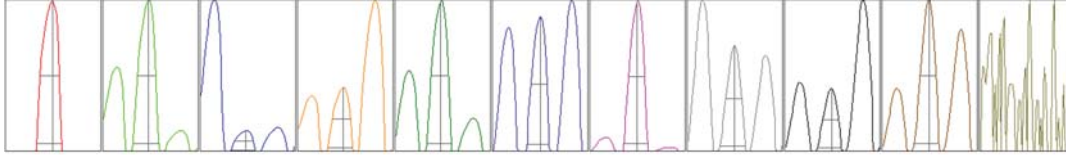
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 7027        | 7046        | 6975        | 6923        | 6953        |
| 24   | 61626       | 60084       | 60063       | 59799       | 59479       |
| 25   | 8326        | 8307        | 8193        | 8205        | 8190        |
| 26   | 9564        | 9482        | 9490        | 9457        | 9395        |
| 59   | 42810       | 43312       | 43129       | 43034       | 43228       |
| 113  | 5362        | 5431        | 5440        | 5424        | 5370        |
| 115  | 66616       | 67144       | 66224       | 67107       | 66525       |
| 206  | 19536       | 19576       | 19353       | 19720       | 19594       |
| 207  | 17747       | 17619       | 17824       | 17922       | 17907       |
| 208  | 42378       | 42428       | 42725       | 43249       | 42689       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 12225.00    | 9.00   | 8.90 - 9.10     |             |
| 24   | 109766.20   | 23.95  | 23.90 - 24.10   |             |
| 25   | 14592.05    | 24.95  | 24.90 - 25.10   |             |
| 26   | 16875.80    | 25.95  | 25.90 - 26.10   |             |
| 59   | 80896.71    | 58.95  | 58.90 - 59.10   |             |
| 113  | 11039.32    | 113.05 | 112.90 - 113.10 |             |
| 115  | 136980.09   | 115.00 | 114.90 - 115.10 |             |
| 206  | 39555.92    | 206.00 | 205.90 - 206.10 |             |
| 207  | 35773.32    | 207.00 | 206.90 - 207.10 |             |
| 208  | 86430.39    | 208.00 | 207.90 - 208.10 |             |
| 220  | 0.00        | 220.00 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.61  | 0.783 | 0.900           |             |
| 24   | 0.58  | 0.818 | 0.900           |             |
| 25   | 0.59  | 0.744 | 0.900           |             |
| 26   | 0.59  | 0.783 | 0.900           |             |
| 59   | 0.55  | 0.779 | 0.900           |             |
| 113  | 0.50  | 0.690 | 0.900           |             |
| 115  | 0.49  | 0.759 | 0.900           |             |
| 206  | 0.50  | 0.804 | 0.900           |             |
| 207  | 0.50  | 0.757 | 0.900           |             |
| 208  | 0.50  | 0.776 | 0.900           |             |
| 220  | 0.35  | 0.350 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.85 L/min Dilution Gas 0.40 L/min

# US EPA Tune Check Report

|              |        |                |          |               |            |
|--------------|--------|----------------|----------|---------------|------------|
| RF Power     | 1600 W | Option Gas     | ---      | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 V | Nebulizer Pump | 0.10 rps | Plasma Gas    | 15.0 L/min |
| Sample Depth | 9.0 mm | S/C Temp       | 2 °C     |               |            |

## Lens Parameters

|            |          |               |       |            |        |
|------------|----------|---------------|-------|------------|--------|
| Extract 1  | -6.0 V   | Omega Lens    | 9.2 V | Deflect    | 14.2 V |
| Extract 2  | -175.0 V | Cell Entrance | -30 V | Plate Bias | -50 V  |
| Omega Bias | -100 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   | 124 | Axis Gain   | 0.9994 | QP Bias | -4.0 V |
| Mass Offset | 125 | Axis Offset | -0.02  |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 1.4 mm | Torch V | -1.2 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.4 mV | Analog HV | 2314 V | Pulse HV | 1694 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 8810  | 88101.10  |                            |             | 0.864 |                 |
| 89   |              | 6607  | 66070.42  |                            |             | 0.978 |                 |
| 205  |              | 12312 | 123116.74 |                            |             | 0.991 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 8837        | 8835        | 8811        | 8885        | 8683        |
| 89   | 6575        | 6623        | 6702        | 6608        | 6528        |
| 205  | 12268       | 12218       | 12313       | 12521       | 12240       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |        |                |            |               |            |
|--------------|--------|----------------|------------|---------------|------------|
| Plasma Mode  | ---    | Nebulizer Gas  | 0.85 L/min | Dilution Gas  | 0.40 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 | 9.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |        |            |       |         |       |
|-----------|--------|------------|-------|---------|-------|
| Extract 1 | -6.0 V | Omega Lens | 9.2 V | Deflect | 4.0 V |
|-----------|--------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -175.0 V | Cell Entrance | -50 V | Plate Bias | -60 V |
| Omega Bias | -100 V   | Cell Exit     | -70 V |            |       |

## Cell Parameters

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

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 124 | Axis Gain   | 0.9994 | QP Bias | -13.0 V |
| Mass Offset | 125 | Axis Offset | -0.02  |         |         |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 1.4 mm | Torch V | -1.2 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.4 mV | Analog HV | 2314 V | Pulse HV | 1694 V |
|---------------|--------|-----------|--------|----------|--------|