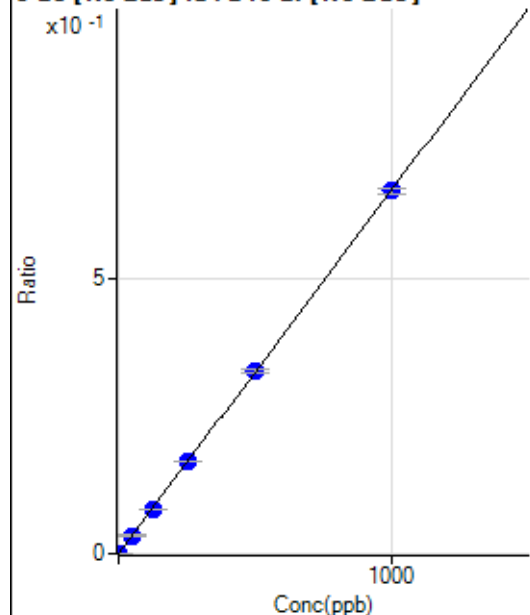


Calibration for 005CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8052621MS.b\  
 Analysis File: P8052621MS.batch.bin  
 DA Date-Time: 2021-05-27 09:57:17  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2021-05-26 12:30:17 |
| 2     | 005CALS.d          | S02         | 2021-05-26 12:33:21 |
| 3     | 007CALS.d          | S03         | 2021-05-26 12:39:30 |
| 4     | 008CALS.d          | S04         | 2021-05-26 12:42:35 |
| 5     | 009CALS.d          | S05         | 2021-05-26 12:45:35 |
| 6     | 010CALS.d          | S06         | 2021-05-26 12:48:35 |
| 7     | 011CALS.d          | S07         | 2021-05-26 12:51:33 |
| 8     | 012CALS.d          | S08         | 2021-05-26 12:54:34 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 32.66     | 0.0000 | P   | 31.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.021      | 931.18    | 0.0007 | P   | 3.1  |
| 3 | <input type="checkbox"/> | 50.000   | 49.776     | 44747.23  | 0.0329 | P   | 2.6  |
| 4 | <input type="checkbox"/> | 125.000  | 123.606    | 112778.41 | 0.0816 | P   | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 253.587    | 225907.62 | 0.1674 | P   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 502.241    | 454010.61 | 0.3316 | P   | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.168    | 884694.66 | 0.6590 | P   | 1.9  |
| 8 | <input type="checkbox"/> |          |            | 91.32     | 0.0001 | P   | 25.4 |

$$y = 6.6022\text{E-}004 * x + 2.4662\text{E-}005$$

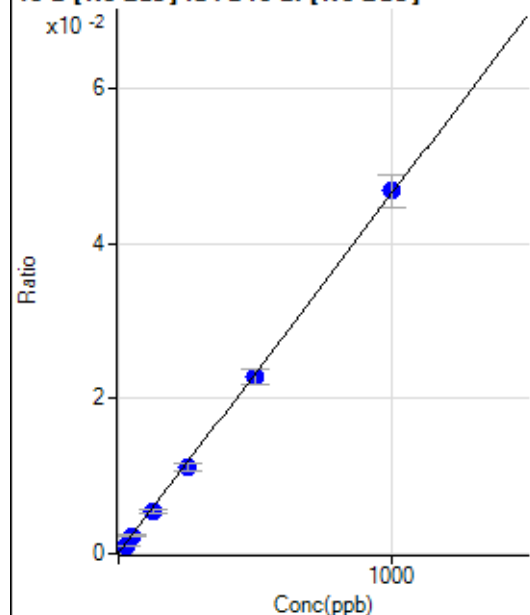
$$R = 1.0000$$

$$DL = 0.03576$$

$$BEC = 0.03735$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 104.65   | 0.0001 | P   | 9.5  |
| 2 | <input type="checkbox"/> | 25.000   | 21.216     | 1415.79  | 0.0011 | P   | 5.4  |
| 3 | <input type="checkbox"/> | 50.000   | 48.281     | 3151.73  | 0.0023 | P   | 12.9 |
| 4 | <input type="checkbox"/> | 125.000  | 116.207    | 7557.80  | 0.0055 | P   | 7.7  |
| 5 | <input type="checkbox"/> | 250.000  | 238.772    | 15043.40 | 0.0112 | P   | 8.5  |
| 6 | <input type="checkbox"/> | 500.000  | 491.091    | 31276.96 | 0.0229 | P   | 8.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.541   | 62865.76 | 0.0468 | P   | 8.8  |
| 8 | <input type="checkbox"/> |          |            | 8210.69  | 0.0065 | P   | 6.5  |

$$y = 4.6370\text{E-}005 * x + 7.8725\text{E-}005$$

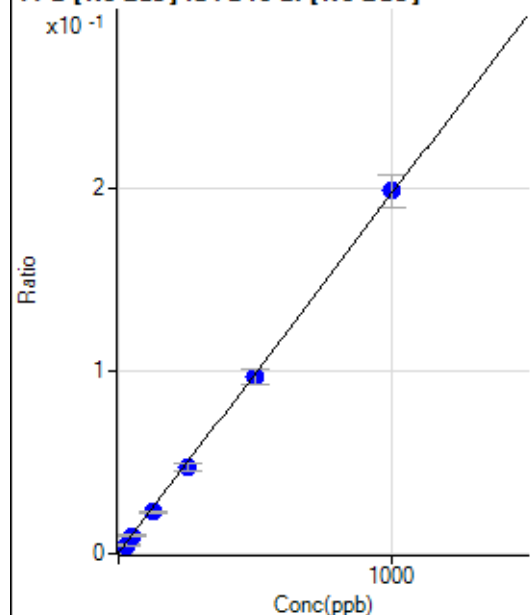
$$R = 0.9999$$

$$DL = 0.4856$$

$$BEC = 1.698$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 437.25    | 0.0003 | P   | 13.0 |
| 2 | <input type="checkbox"/> | 25.000   | 22.067     | 6228.78   | 0.0047 | P   | 9.9  |
| 3 | <input type="checkbox"/> | 50.000   | 47.193     | 13081.93  | 0.0096 | P   | 9.2  |
| 4 | <input type="checkbox"/> | 125.000  | 114.083    | 31492.17  | 0.0228 | P   | 7.8  |
| 5 | <input type="checkbox"/> | 250.000  | 241.310    | 64518.13  | 0.0478 | P   | 8.3  |
| 6 | <input type="checkbox"/> | 500.000  | 490.426    | 132562.60 | 0.0969 | P   | 9.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.538   | 266821.03 | 0.1988 | P   | 8.9  |
| 8 | <input type="checkbox"/> |          |            | 34585.12  | 0.0274 | P   | 7.9  |

$$y = 1.9681E-004 * x + 3.2957E-004$$

R = 0.9999

DL = 0.6523

BEC = 1.675

Weight: &lt;None&gt;

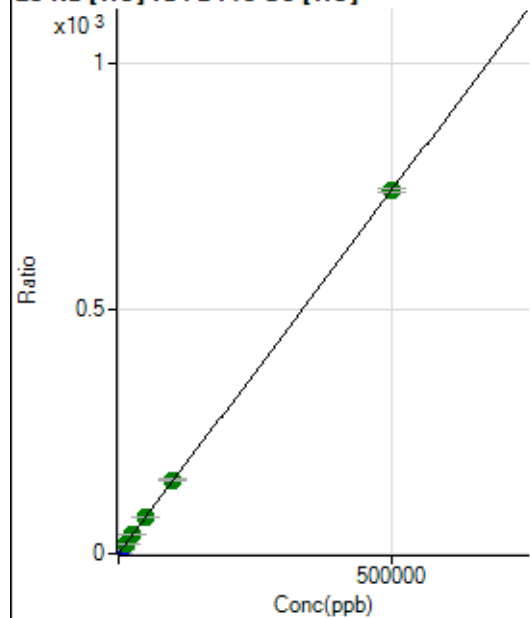
Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | Det | RSD |
|---|--------------------------|-------|------------|------------|-------|-----|-----|
| 1 | <input type="checkbox"/> |       |            | 2477606.37 |       | A   | 0.7 |
| 2 | <input type="checkbox"/> |       |            | 2515699.19 |       | A   | 1.2 |
| 3 | <input type="checkbox"/> |       |            | 2684976.27 |       | A   | 1.2 |
| 4 | <input type="checkbox"/> |       |            | 2786153.12 |       | A   | 0.4 |
| 5 | <input type="checkbox"/> |       |            | 2824522.53 |       | A   | 2.3 |
| 6 | <input type="checkbox"/> |       |            | 3000857.40 |       | A   | 1.8 |
| 7 | <input type="checkbox"/> |       |            | 3288444.82 |       | A   | 4.3 |
| 8 | <input type="checkbox"/> |       |            | 2856189.21 |       | A   | 0.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 27423.27 |       | P        | 2.3 |
| 2 | <input type="checkbox"/> |       |            | 27871.45 |       | P        | 1.1 |
| 3 | <input type="checkbox"/> |       |            | 30025.71 |       | P        | 2.0 |
| 4 | <input type="checkbox"/> |       |            | 31604.03 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> |       |            | 32464.24 |       | P        | 2.0 |
| 6 | <input type="checkbox"/> |       |            | 34772.19 |       | P        | 0.7 |
| 7 | <input type="checkbox"/> |       |            | 38732.25 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> |       |            | 34073.51 |       | P        | 3.2 |

**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      | 7249.18     | 0.1225   | P        | 1.9  |
| 2 | <input type="checkbox"/> | 500.000   | 487.739    | 51488.67    | 0.8460   | P        | 0.4  |
| 3 | <input type="checkbox"/> | 5000.000  | 5040.141   | 459132.79   | 7.5981   | P        | 11.2 |
| 4 | <input type="checkbox"/> | 12500.000 | 12716.131  | 1125972.67  | 18.9832  | A        | 0.1  |
| 5 | <input type="checkbox"/> | 25000.000 | 25888.584  | 2276181.58  | 38.5207  | A        | 0.8  |
| 6 | <input type="checkbox"/> | 50000.000 | 49778.417  | 4377289.59  | 73.9543  | A        | 2.0  |
| 7 | <input type="checkbox"/> | 100000.00 | 101800.15  | 8469832.83  | 151.1133 | A        | 0.3  |
| 8 | <input type="checkbox"/> | 500000.00 | 499611.90  | 40698283.20 | 741.1508 | A        | 0.9  |

$$y = 0.0015 * x + 0.1225$$

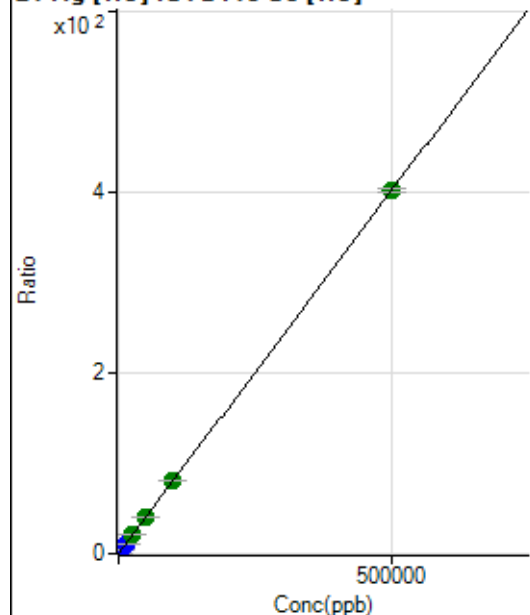
$$R = 1.0000$$

$$DL = 4.586$$

$$BEC = 82.62$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 266.68      | 0.0045   | P        | 9.6  |
| 2 | <input type="checkbox"/> | 500.000   | 493.350    | 24384.71    | 0.4006   | P        | 1.2  |
| 3 | <input type="checkbox"/> | 5000.000  | 5052.722   | 245287.18   | 4.0616   | P        | 12.1 |
| 4 | <input type="checkbox"/> | 12500.000 | 12738.087  | 606885.74   | 10.2325  | P        | 0.9  |
| 5 | <input type="checkbox"/> | 25000.000 | 25674.271  | 1218435.92  | 20.6195  | A        | 0.5  |
| 6 | <input type="checkbox"/> | 50000.000 | 49713.261  | 2363113.81  | 39.9215  | A        | 1.3  |
| 7 | <input type="checkbox"/> | 100000.00 | 101358.21  | 4561683.91  | 81.3896  | A        | 0.4  |
| 8 | <input type="checkbox"/> | 500000.00 | 499716.84  | 22033847.71 | 401.2498 | A        | 0.9  |

$$y = 8.0295E-004 * x + 0.0045$$

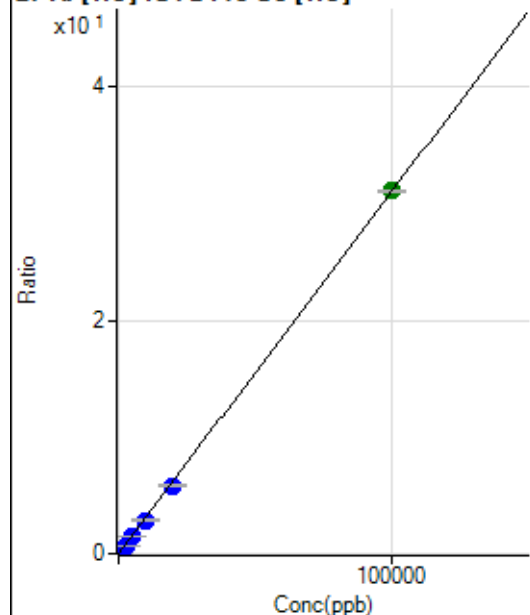
R = 1.0000

DL = 1.623

BEC = 5.615

Weight: <None>

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 212.48     | 0.0036  | P        | 5.3  |
| 2 | <input type="checkbox"/> | 20.000    | 18.023     | 558.28     | 0.0092  | P        | 9.6  |
| 3 | <input type="checkbox"/> | 1000.000  | 921.740    | 17451.59   | 0.2890  | P        | 12.3 |
| 4 | <input type="checkbox"/> | 2500.000  | 2324.309   | 42900.24   | 0.7233  | P        | 1.1  |
| 5 | <input type="checkbox"/> | 5000.000  | 4708.833   | 86370.55   | 1.4617  | P        | 0.6  |
| 6 | <input type="checkbox"/> | 10000.000 | 9223.189   | 169238.59  | 2.8595  | P        | 2.7  |
| 7 | <input type="checkbox"/> | 20000.000 | 18864.428  | 327590.33  | 5.8449  | P        | 0.5  |
| 8 | <input type="checkbox"/> | 100000.00 | 100324.52  | 1706096.55 | 31.0690 | A        | 0.2  |

$$y = 3.0965E-004 * x + 0.0036$$

R = 0.9999

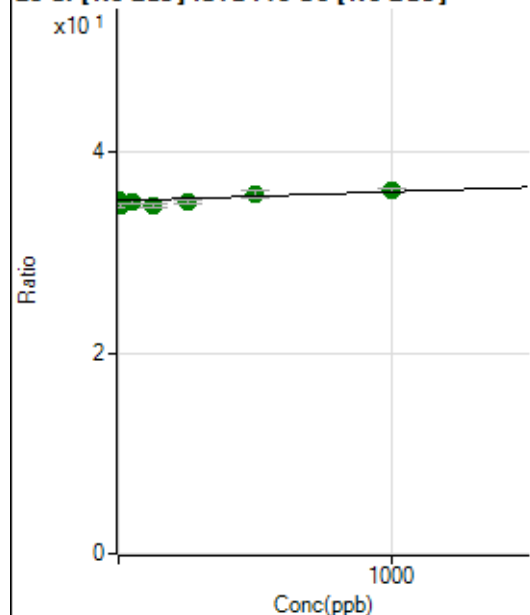
DL = 1.83

BEC = 11.6

Weight: <None>

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 54290388.71 | 35.2086 | A        | 1.4 |
| 2 | <input type="checkbox"/> | 10.000   | -581.167   | 54551945.32 | 34.6849 | A        | 0.8 |
| 3 | <input type="checkbox"/> | 50.000   | -158.188   | 55039366.51 | 35.0661 | A        | 1.0 |
| 4 | <input type="checkbox"/> | 125.000  | -448.394   | 54835404.00 | 34.8045 | A        | 1.1 |
| 5 | <input type="checkbox"/> | 250.000  | -146.096   | 55357192.21 | 35.0770 | A        | 1.3 |
| 6 | <input type="checkbox"/> | 500.000  | 704.529    | 56158013.06 | 35.8436 | A        | 2.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 1084.755   | 56002052.64 | 36.1863 | A        | 1.0 |
| 8 | <input type="checkbox"/> |          |            | 51957049.42 | 34.3890 | A        | 2.1 |

$$y = 9.0127E-004 * x + 35.2086$$

$$R = 0.9047$$

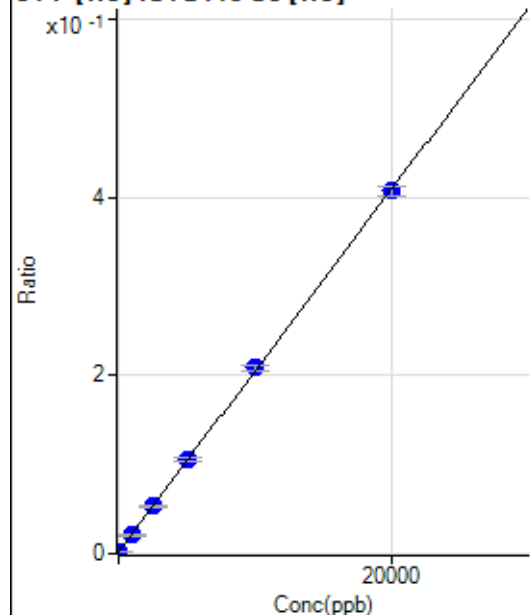
$$DL = 1635$$

$$BEC = 3.907E+04$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | -12.315    | 97.22    | 0.0016 | P        | 21.9 |
| 2 | <input type="checkbox"/> | 0.000     | 12.315     | 130.56   | 0.0021 | P        | 19.4 |
| 3 | <input type="checkbox"/> | 1000.000  | 917.903    | 1241.75  | 0.0206 | P        | 13.5 |
| 4 | <input type="checkbox"/> | 2500.000  | 2511.352   | 3142.09  | 0.0530 | P        | 4.7  |
| 5 | <input type="checkbox"/> | 5000.000  | 5075.713   | 6212.60  | 0.1051 | P        | 4.0  |
| 6 | <input type="checkbox"/> | 10000.000 | 10141.891  | 12319.45 | 0.2082 | P        | 3.1  |
| 7 | <input type="checkbox"/> | 20000.000 | 19912.812  | 22801.70 | 0.4069 | P        | 2.8  |
| 8 | <input type="checkbox"/> |           |            | 119.45   | 0.0022 | P        | 34.8 |

$$y = 2.0337E-005 * x + 0.0019$$

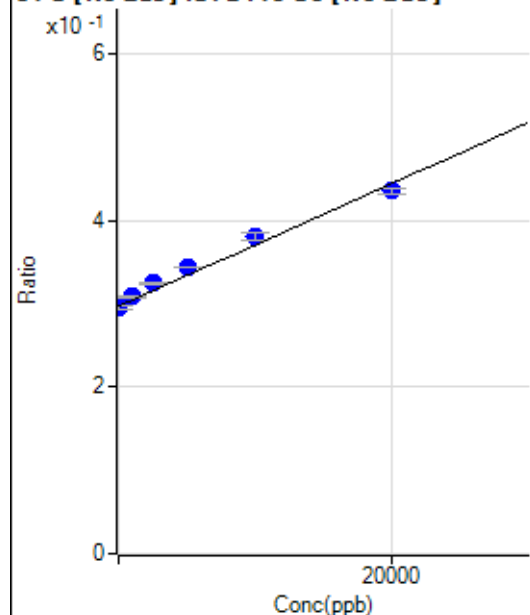
$$R = 0.9999$$

$$DL = 57.27$$

$$BEC = 93.15$$

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     | 310.381    | 461431.04 | 0.2992 | P        | 1.2 |
| 2 | <input type="checkbox"/> | 0.000     | -310.381   | 463447.21 | 0.2947 | P        | 1.4 |
| 3 | <input type="checkbox"/> | 1000.000  | 1570.189   | 484234.41 | 0.3085 | P        | 0.9 |
| 4 | <input type="checkbox"/> | 2500.000  | 3739.869   | 511206.71 | 0.3245 | P        | 1.0 |
| 5 | <input type="checkbox"/> | 5000.000  | 6273.490   | 541485.99 | 0.3431 | P        | 0.3 |
| 6 | <input type="checkbox"/> | 10000.000 | 11390.578  | 596482.26 | 0.3807 | P        | 2.7 |
| 7 | <input type="checkbox"/> | 20000.000 | 18802.846  | 673552.54 | 0.4352 | P        | 1.3 |
| 8 | <input type="checkbox"/> |           |            | 465733.74 | 0.3082 | P        | 1.2 |

$$y = 7.3534\text{E-}006 * x + 0.2970$$

$$R = 0.9922$$

$$DL = 1596$$

$$BEC = 4.038\text{E}+04$$

Weight: &lt;None&gt;

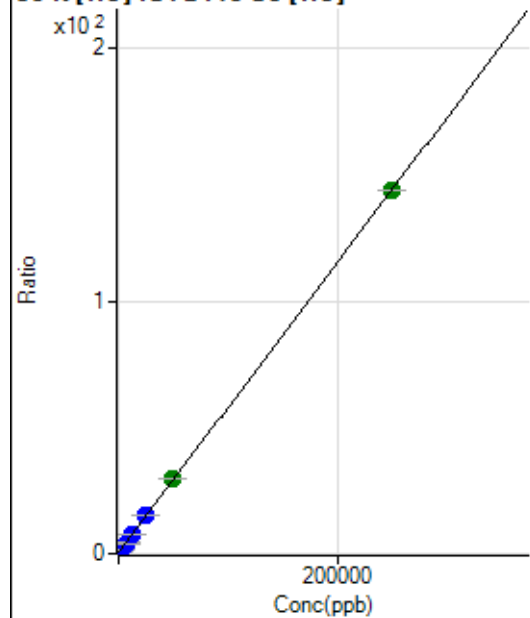
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 261490.14 |       | P        | 0.1 |
| 2 | <input type="checkbox"/> |       |            | 259650.02 |       | P        | 0.9 |
| 3 | <input type="checkbox"/> |       |            | 280440.69 |       | P        | 1.9 |
| 4 | <input type="checkbox"/> |       |            | 288688.56 |       | P        | 2.4 |
| 5 | <input type="checkbox"/> |       |            | 268561.40 |       | P        | 2.3 |
| 6 | <input type="checkbox"/> |       |            | 228662.42 |       | P        | 1.6 |
| 7 | <input type="checkbox"/> |       |            | 226336.25 |       | P        | 0.9 |
| 8 | <input type="checkbox"/> |       |            | 205322.05 |       | P        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 2280.80 |       | P        | 1.6 |
| 2 | <input type="checkbox"/> |       |            | 2336.37 |       | P        | 3.9 |
| 3 | <input type="checkbox"/> |       |            | 2739.23 |       | P        | 7.8 |
| 4 | <input type="checkbox"/> |       |            | 2433.61 |       | P        | 2.4 |
| 5 | <input type="checkbox"/> |       |            | 2514.17 |       | P        | 9.6 |
| 6 | <input type="checkbox"/> |       |            | 2061.32 |       | P        | 2.8 |
| 7 | <input type="checkbox"/> |       |            | 1891.84 |       | P        | 8.4 |
| 8 | <input type="checkbox"/> |       |            | 1727.93 |       | P        | 4.5 |

**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      | 24593.72   | 0.4157   | P        | 1.4  |
| 2 | <input type="checkbox"/> | 500.000   | 478.748    | 42020.35   | 0.6904   | P        | 0.8  |
| 3 | <input type="checkbox"/> | 2500.000  | 2558.004   | 113863.58  | 1.8833   | P        | 10.6 |
| 4 | <input type="checkbox"/> | 6250.000  | 6531.115   | 246870.04  | 4.1626   | P        | 1.7  |
| 5 | <input type="checkbox"/> | 12500.000 | 13105.765  | 468846.05  | 7.9345   | P        | 1.2  |
| 6 | <input type="checkbox"/> | 25000.000 | 25452.136  | 888850.01  | 15.0177  | P        | 2.2  |
| 7 | <input type="checkbox"/> | 50000.000 | 50833.745  | 1657812.34 | 29.5792  | A        | 0.6  |
| 8 | <input type="checkbox"/> | 250000.00 | 249750.18  | 7890927.43 | 143.6980 | A        | 0.0  |

$$y = 5.7370E-004 * x + 0.4157$$

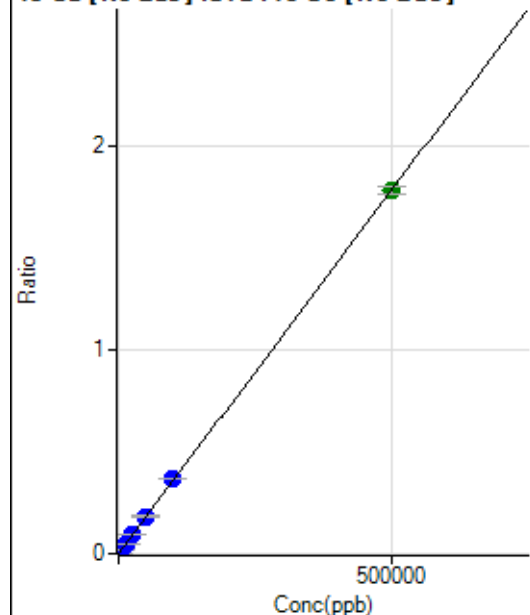
$$R = 1.0000$$

$$DL = 30.28$$

$$BEC = 724.6$$

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      | 392.87     | 0.0003 | P    | 8.6 |
| 2 | <input type="checkbox"/> | 500.000   | 484.984    | 3124.96    | 0.0020 | P    | 2.2 |
| 3 | <input type="checkbox"/> | 5000.000  | 5045.424   | 28683.64   | 0.0183 | P    | 1.9 |
| 4 | <input type="checkbox"/> | 12500.000 | 12636.842  | 71510.50   | 0.0454 | P    | 1.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 25336.085  | 143214.21  | 0.0907 | P    | 0.8 |
| 6 | <input type="checkbox"/> | 50000.000 | 51198.185  | 286887.28  | 0.1831 | P    | 2.7 |
| 7 | <input type="checkbox"/> | 100000.00 | 102964.07  | 569521.05  | 0.3680 | P    | 1.8 |
| 8 | <input type="checkbox"/> | 500000.00 | 499266.70  | 2694594.14 | 1.7835 | A    | 2.2 |

$$y = 3.5716\text{E-}006 * x + 2.5492\text{E-}004$$

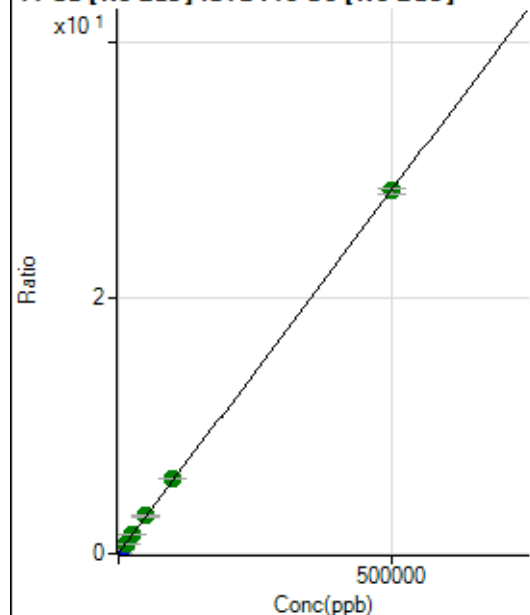
$$R = 1.0000$$

$$DL = 18.35$$

$$BEC = 71.37$$

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      | 62427.90    | 0.0405  | P    | 1.6 |
| 2 | <input type="checkbox"/> | 500.000   | 480.178    | 106510.02   | 0.0677  | P    | 1.0 |
| 3 | <input type="checkbox"/> | 5000.000  | 5065.466   | 514505.23   | 0.3278  | P    | 1.7 |
| 4 | <input type="checkbox"/> | 12500.000 | 12961.616  | 1222189.67  | 0.7757  | A    | 0.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 25801.257  | 2373557.01  | 1.5040  | A    | 0.7 |
| 6 | <input type="checkbox"/> | 50000.000 | 51109.649  | 4606006.39  | 2.9395  | A    | 1.4 |
| 7 | <input type="checkbox"/> | 100000.00 | 102874.26  | 9092970.58  | 5.8756  | A    | 1.3 |
| 8 | <input type="checkbox"/> | 500000.00 | 499261.94  | 42849226.00 | 28.3591 | A    | 1.8 |

$$y = 5.6721\text{E-}005 * x + 0.0405$$

$$R = 1.0000$$

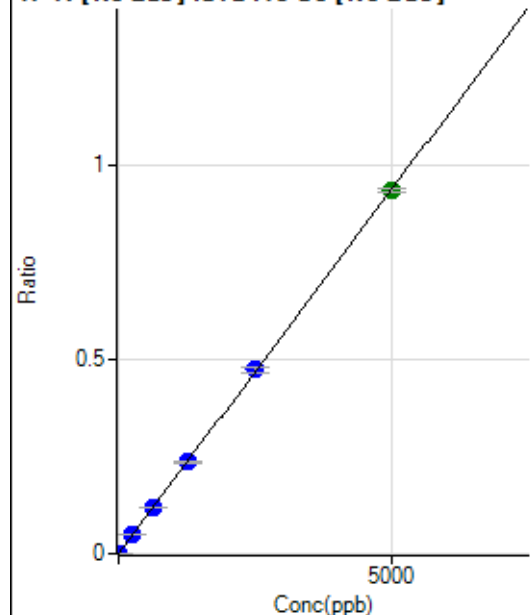
$$DL = 35.27$$

$$BEC = 713.8$$

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      | 325.01     | 0.0002 | P        | 16.5 |
| 2 | <input type="checkbox"/> | 5.000    | 4.604      | 1691.81    | 0.0011 | P        | 4.2  |
| 3 | <input type="checkbox"/> | 250.000  | 252.860    | 74882.04   | 0.0477 | P        | 1.6  |
| 4 | <input type="checkbox"/> | 625.000  | 627.936    | 186151.28  | 0.1182 | P        | 2.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1259.305   | 373607.05  | 0.2368 | P        | 1.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2527.694   | 744149.29  | 0.4750 | P        | 3.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 4983.317   | 1448961.49 | 0.9363 | A        | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 502.80     | 0.0003 | P        | 19.5 |

$$y = 1.8784\text{E-}004 * x + 2.1072\text{E-}004$$

$$R = 1.0000$$

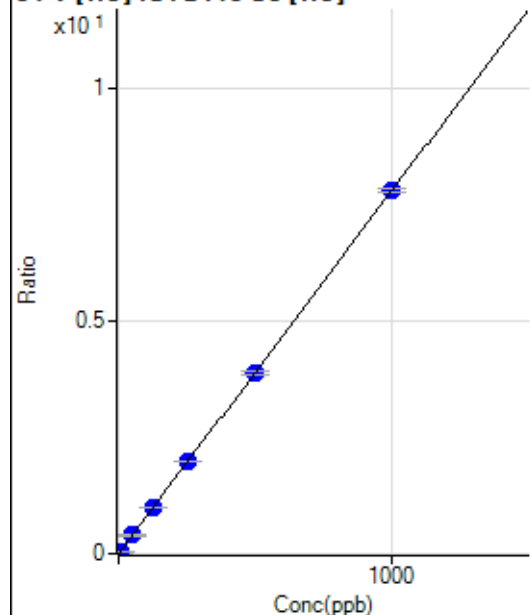
$$DL = 0.5551$$

$$BEC = 1.122$$

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      | 11.11     | 0.0002 | P        | 16.8 |
| 2 | <input type="checkbox"/> | 5.000    | 5.034      | 2394.67   | 0.0393 | P        | 2.4  |
| 3 | <input type="checkbox"/> | 50.000   | 50.405     | 23678.54  | 0.3923 | P        | 12.7 |
| 4 | <input type="checkbox"/> | 125.000  | 125.927    | 58108.33  | 0.9798 | P        | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 253.704    | 116626.76 | 1.9737 | P        | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 496.536    | 228621.09 | 3.8627 | P        | 2.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.670   | 436276.20 | 7.7843 | P        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 56.67     | 0.0010 | P        | 12.0 |

$$y = 0.0078 * x + 1.8769\text{E-}004$$

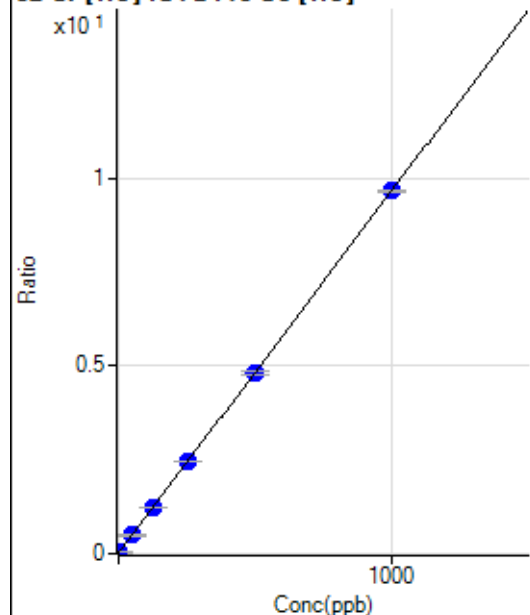
$$R = 1.0000$$

$$DL = 0.01214$$

$$BEC = 0.02413$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 536.68    | 0.0091 | P   | 12.7 |
| 2 | <input type="checkbox"/> | 2.000    | 2.048      | 1753.47   | 0.0288 | P   | 6.7  |
| 3 | <input type="checkbox"/> | 50.000   | 49.701     | 29492.63  | 0.4881 | P   | 11.3 |
| 4 | <input type="checkbox"/> | 125.000  | 126.839    | 73043.95  | 1.2316 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 254.878    | 145691.78 | 2.4656 | P   | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 496.429    | 283716.92 | 4.7937 | P   | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.351   | 540883.88 | 9.6506 | P   | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 3877.23   | 0.0706 | P   | 0.7  |

$$y = 0.0096 * x + 0.0091$$

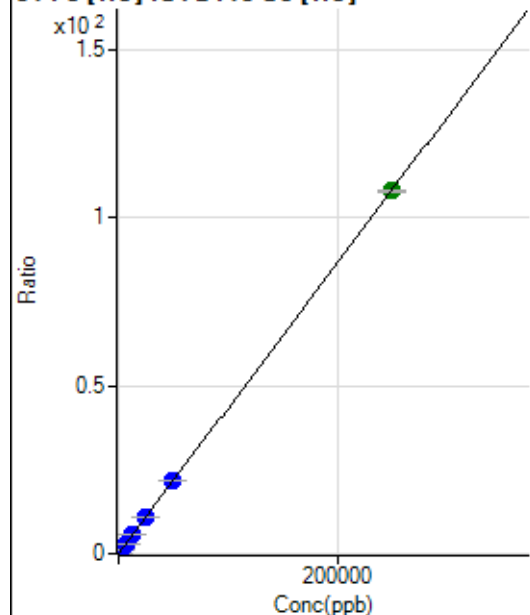
$$R = 1.0000$$

$$DL = 0.3585$$

$$BEC = 0.9417$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio    | Det | RSD  |
|---|--------------------------|-----------|------------|------------|----------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 327.79     | 0.0055   | P   | 13.2 |
| 2 | <input type="checkbox"/> | 50.000    | 51.854     | 1701.98    | 0.0280   | P   | 2.5  |
| 3 | <input type="checkbox"/> | 2500.000  | 2515.360   | 66029.90   | 1.0933   | P   | 11.9 |
| 4 | <input type="checkbox"/> | 6250.000  | 6369.784   | 163704.96  | 2.7600   | P   | 0.4  |
| 5 | <input type="checkbox"/> | 12500.000 | 12863.845  | 329019.36  | 5.5683   | P   | 1.5  |
| 6 | <input type="checkbox"/> | 25000.000 | 25045.347  | 641309.96  | 10.8360  | P   | 2.8  |
| 7 | <input type="checkbox"/> | 50000.000 | 50457.088  | 1223241.93 | 21.8249  | P   | 0.4  |
| 8 | <input type="checkbox"/> | 250000.00 | 249882.70  | 5934029.24 | 108.0631 | A   | 0.8  |

$$y = 4.3243E-004 * x + 0.0055$$

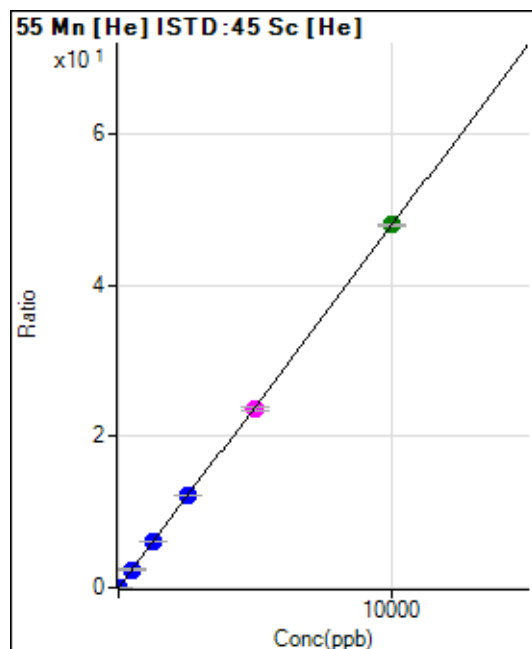
$$R = 1.0000$$

$$DL = 5.082$$

$$BEC = 12.81$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 38.89      | 0.0007  | P    | 25.3 |
| 2 | <input type="checkbox"/> | 1.000     | 0.980      | 325.56     | 0.0053  | P    | 3.1  |
| 3 | <input type="checkbox"/> | 500.000   | 497.991    | 143991.96  | 2.3833  | P    | 11.5 |
| 4 | <input type="checkbox"/> | 1250.000  | 1263.812   | 358680.53  | 6.0473  | P    | 1.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2532.442   | 715997.57  | 12.1171 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 4945.703   | 1400494.27 | 23.6633 | M    | 2.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 10017.412  | 2686452.55 | 47.9288 | A    | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 1500.10    | 0.0273  | P    | 5.8  |

$$y = 0.0048 * x + 6.5788E-004$$

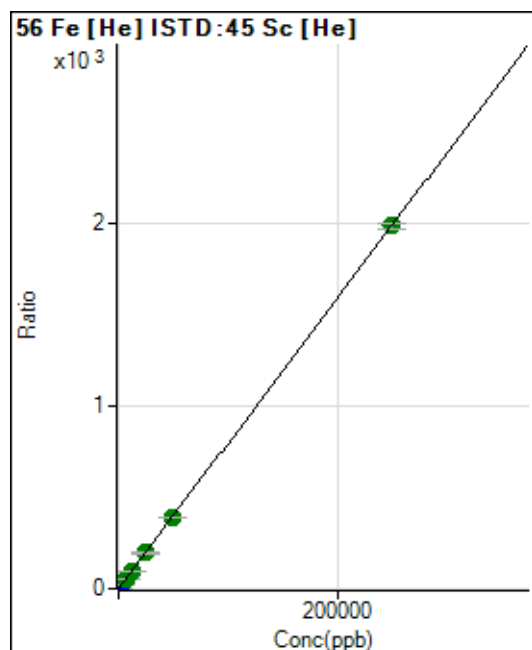
$$R = 1.0000$$

$$DL = 0.1044$$

$$BEC = 0.1375$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|-----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1570.49     | 0.0265    | P    | 3.7  |
| 2 | <input type="checkbox"/> | 50.000    | 50.290     | 25862.48    | 0.4249    | P    | 3.5  |
| 3 | <input type="checkbox"/> | 2500.000  | 2499.308   | 1198131.81  | 19.8262   | P    | 11.1 |
| 4 | <input type="checkbox"/> | 6250.000  | 6329.134   | 2975223.85  | 50.1663   | A    | 1.3  |
| 5 | <input type="checkbox"/> | 12500.000 | 12510.509  | 5857976.29  | 99.1354   | A    | 0.4  |
| 6 | <input type="checkbox"/> | 25000.000 | 24704.335  | 11585673.06 | 195.7355  | A    | 1.7  |
| 7 | <input type="checkbox"/> | 50000.000 | 49477.896  | 21970393.31 | 391.9928  | A    | 0.9  |
| 8 | <input type="checkbox"/> | 250000.00 | 250131.49  | 108811979.2 | 1,981.580 | A    | 1.4  |

$$y = 0.0079 * x + 0.0265$$

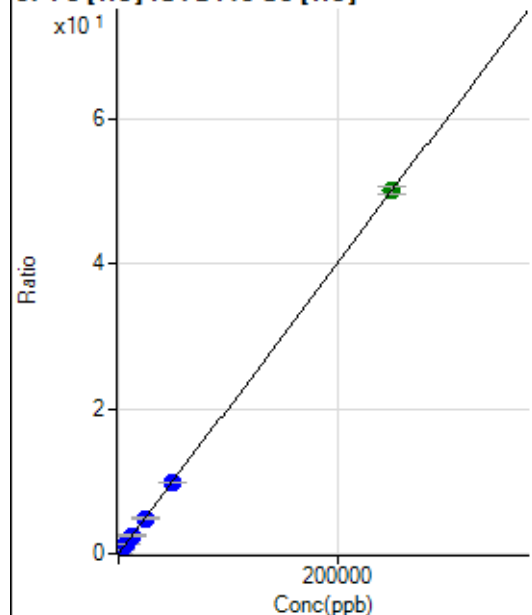
$$R = 1.0000$$

$$DL = 0.3709$$

$$BEC = 3.351$$

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      | 101.85     | 0.0017  | P   | 21.0 |
| 2 | <input type="checkbox"/> | 50.000    | 45.290     | 655.58     | 0.0108  | P   | 3.7  |
| 3 | <input type="checkbox"/> | 2500.000  | 2458.353   | 29784.96   | 0.4929  | P   | 11.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6136.957   | 72822.25   | 1.2278  | P   | 1.3  |
| 5 | <input type="checkbox"/> | 12500.000 | 12536.015  | 148092.04  | 2.5063  | P   | 1.4  |
| 6 | <input type="checkbox"/> | 25000.000 | 24339.184  | 287925.63  | 4.8644  | P   | 1.7  |
| 7 | <input type="checkbox"/> | 50000.000 | 48935.801  | 548064.69  | 9.7786  | P   | 0.8  |
| 8 | <input type="checkbox"/> | 250000.00 | 250280.36  | 2745834.44 | 50.0052 | A   | 2.0  |

$$y = 1.9979E-004 * x + 0.0017$$

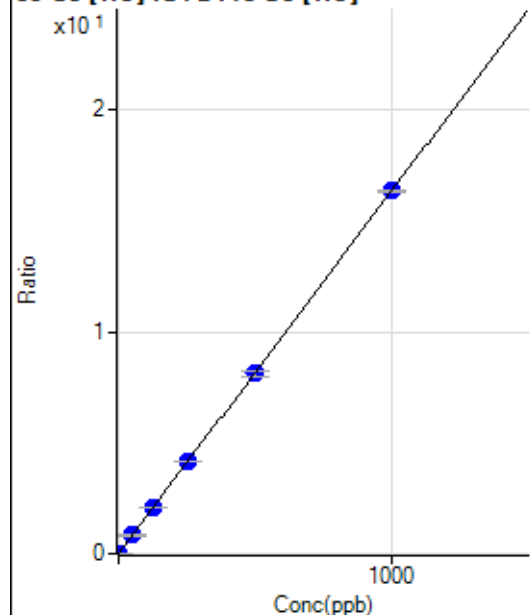
$$R = 1.0000$$

$$DL = 5.438$$

$$BEC = 8.623$$

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      | 42.22     | 0.0007  | P   | 31.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.018      | 1055.60   | 0.0173  | P   | 4.3  |
| 3 | <input type="checkbox"/> | 50.000   | 50.957     | 50339.76  | 0.8333  | P   | 11.6 |
| 4 | <input type="checkbox"/> | 125.000  | 126.957    | 123075.22 | 2.0750  | P   | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 254.616    | 245861.59 | 4.1608  | P   | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 496.109    | 479788.53 | 8.1065  | P   | 2.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.499   | 916255.57 | 16.3476 | P   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 1355.64   | 0.0247  | P   | 8.2  |

$$y = 0.0163 * x + 7.1339E-004$$

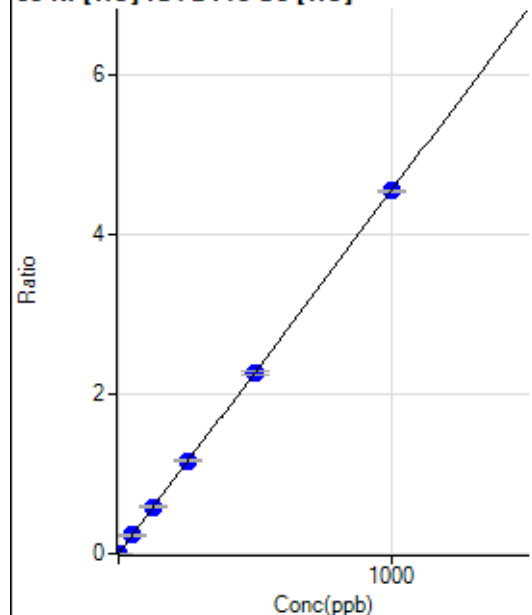
$$R = 1.0000$$

$$DL = 0.04162$$

$$BEC = 0.04366$$

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      | 18.89     | 0.0003 | P        | 26.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.106      | 325.57    | 0.0054 | P        | 9.9  |
| 3 | <input type="checkbox"/> | 50.000   | 51.663     | 14224.98  | 0.2354 | P        | 11.3 |
| 4 | <input type="checkbox"/> | 125.000  | 128.581    | 34722.34  | 0.5855 | P        | 2.2  |
| 5 | <input type="checkbox"/> | 250.000  | 255.671    | 68769.40  | 1.1638 | P        | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 498.689    | 134342.12 | 2.2698 | P        | 2.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.707    | 254753.02 | 4.5453 | P        | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 830.03    | 0.0151 | P        | 9.8  |

$$y = 0.0046 * x + 3.1903E-004$$

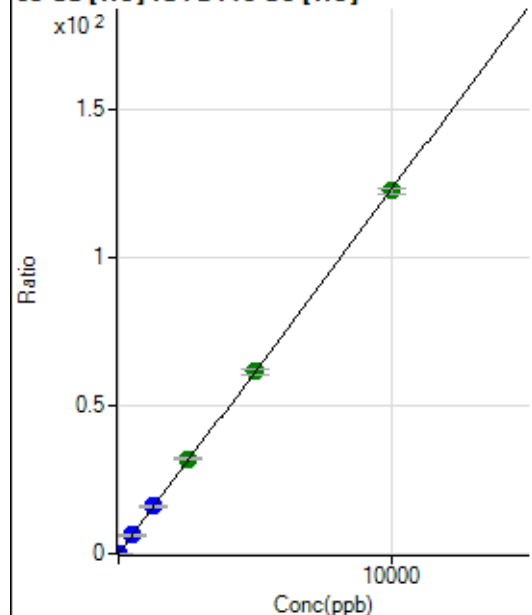
$$R = 1.0000$$

$$DL = 0.05612$$

$$BEC = 0.0701$$

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      | 270.01     | 0.0046   | P        | 4.7  |
| 2 | <input type="checkbox"/> | 2.000     | 1.953      | 1739.01    | 0.0286   | P        | 7.0  |
| 3 | <input type="checkbox"/> | 500.000   | 516.643    | 383954.85  | 6.3554   | P        | 11.5 |
| 4 | <input type="checkbox"/> | 1250.000  | 1293.610   | 943389.54  | 15.9063  | P        | 1.2  |
| 5 | <input type="checkbox"/> | 2500.000  | 2607.605   | 1894366.08 | 32.0586  | A        | 0.9  |
| 6 | <input type="checkbox"/> | 5000.000  | 5009.876   | 3644885.26 | 61.5886  | A        | 3.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 9961.877   | 6863327.74 | 122.4613 | A        | 1.5  |
| 8 | <input type="checkbox"/> |           |            | 4544.11    | 0.0828   | P        | 2.9  |

$$y = 0.0123 * x + 0.0046$$

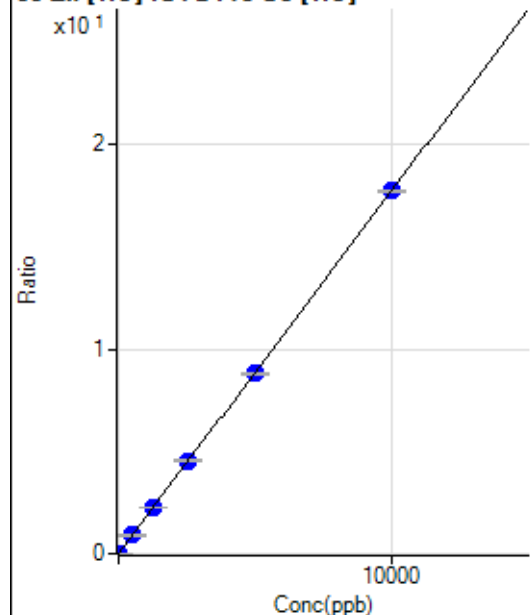
$$R = 0.9999$$

$$DL = 0.05197$$

$$BEC = 0.3713$$

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      | 233.34    | 0.0039  | P        | 7.7  |
| 2 | <input type="checkbox"/> | 2.000     | 2.317      | 490.01    | 0.0081  | P        | 7.1  |
| 3 | <input type="checkbox"/> | 500.000   | 510.550    | 54907.99  | 0.9088  | P        | 11.5 |
| 4 | <input type="checkbox"/> | 1250.000  | 1274.914   | 134250.28 | 2.2636  | P        | 1.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2555.998   | 267925.52 | 4.5342  | P        | 1.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 4960.319   | 520626.09 | 8.7957  | P        | 1.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 10002.199  | 993851.36 | 17.7320 | P        | 0.4  |
| 8 | <input type="checkbox"/> |           |            | 2539.15   | 0.0462  | P        | 7.3  |

$$y = 0.0018 * x + 0.0039$$

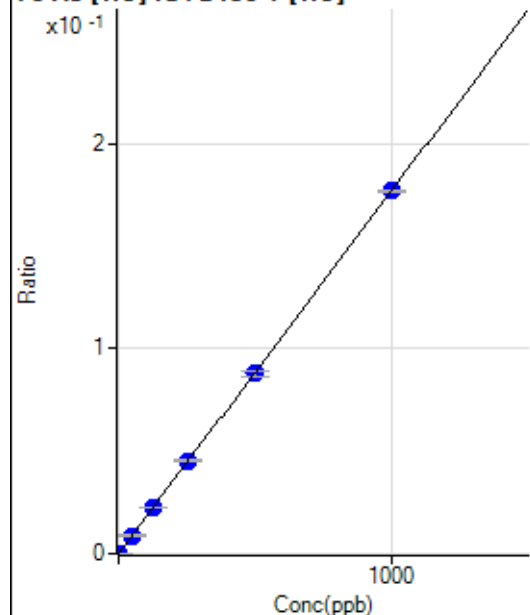
$$R = 1.0000$$

$$DL = 0.5148$$

$$BEC = 2.225$$

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      | 6.00     | 0.0000 | P        | 50.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.137      | 98.34    | 0.0002 | P        | 3.5  |
| 3 | <input type="checkbox"/> | 50.000   | 49.949     | 3980.64  | 0.0089 | P        | 9.6  |
| 4 | <input type="checkbox"/> | 125.000  | 126.984    | 10006.23 | 0.0225 | P        | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 256.437    | 19952.02 | 0.0454 | P        | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 496.459    | 39080.57 | 0.0879 | P        | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.916    | 74578.55 | 0.1770 | P        | 0.2  |
| 8 | <input type="checkbox"/> |          |            | 44.00    | 0.0001 | P        | 12.4 |

$$y = 1.7702E-004 * x + 1.3395E-005$$

$$R = 1.0000$$

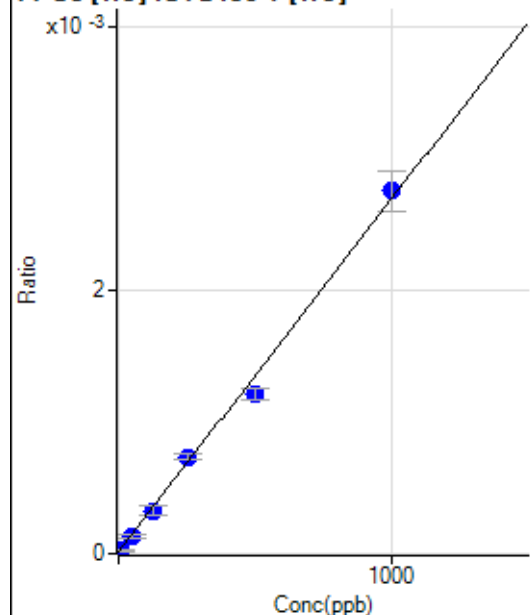
$$DL = 0.1141$$

$$BEC = 0.07567$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.67    | 0.0000 | P   | 100. |
| 2 | <input type="checkbox"/> | 5.000    | 2.584      | 10.00   | 0.0000 | P   | 58.2 |
| 3 | <input type="checkbox"/> | 50.000   | 45.559     | 61.11   | 0.0001 | P   | 19.5 |
| 4 | <input type="checkbox"/> | 125.000  | 115.987    | 144.45  | 0.0003 | P   | 23.8 |
| 5 | <input type="checkbox"/> | 250.000  | 268.591    | 322.23  | 0.0007 | P   | 5.9  |
| 6 | <input type="checkbox"/> | 500.000  | 447.558    | 538.90  | 0.0012 | P   | 6.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1022.934   | 1158.95 | 0.0027 | P   | 11.4 |
| 8 | <input type="checkbox"/> |          |            | 3.33    | 0.0000 | P   | 100. |

$$y = 2.6736\text{E-}006 * x + 1.5001\text{E-}005$$

$$R = 0.9978$$

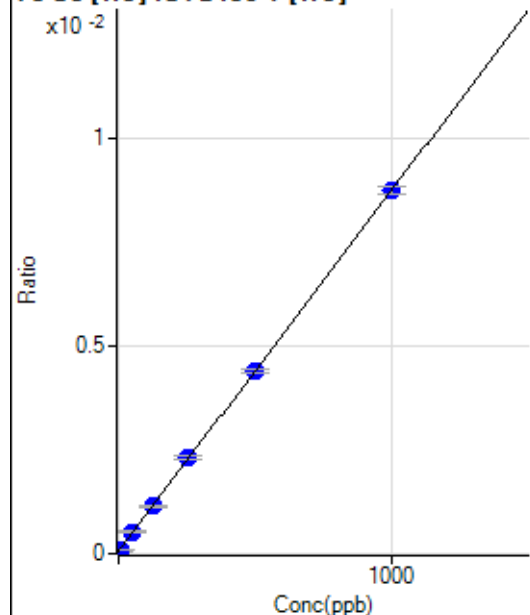
$$DL = 16.84$$

$$BEC = 5.611$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 26.33   | 0.0001 | P   | 18.6 |
| 2 | <input type="checkbox"/> | 5.000    | 5.035      | 47.01   | 0.0001 | P   | 7.0  |
| 3 | <input type="checkbox"/> | 50.000   | 54.120     | 238.03  | 0.0005 | P   | 6.3  |
| 4 | <input type="checkbox"/> | 125.000  | 124.301    | 505.73  | 0.0011 | P   | 5.7  |
| 5 | <input type="checkbox"/> | 250.000  | 259.060    | 1012.81 | 0.0023 | P   | 2.8  |
| 6 | <input type="checkbox"/> | 500.000  | 497.558    | 1944.67 | 0.0044 | P   | 2.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.837    | 3673.86 | 0.0087 | P   | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 25.00   | 0.0001 | P   | 24.5 |

$$y = 8.6713\text{E-}006 * x + 5.8900\text{E-}005$$

$$R = 0.9999$$

$$DL = 3.791$$

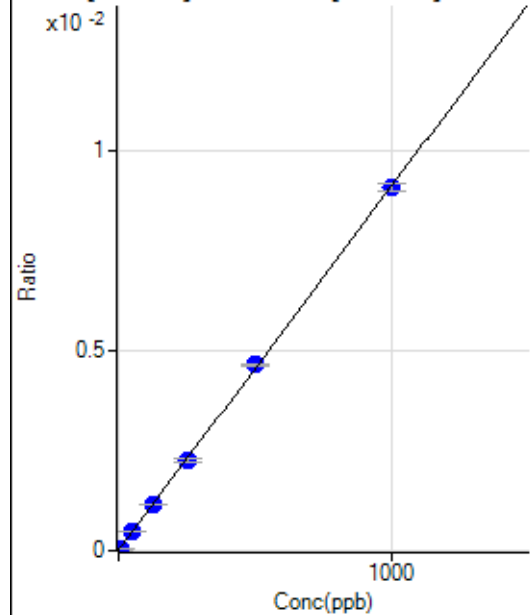
$$BEC = 6.793$$

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"/> |       |            | 1508.31 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> |       |            | 1668.49 |       | P        | 6.6 |
| 3 | <input type="checkbox"/> |       |            | 1578.38 |       | P        | 7.3 |
| 4 | <input type="checkbox"/> |       |            | 1641.79 |       | P        | 6.2 |
| 5 | <input type="checkbox"/> |       |            | 1488.29 |       | P        | 4.6 |
| 6 | <input type="checkbox"/> |       |            | 1595.08 |       | P        | 4.3 |
| 7 | <input type="checkbox"/> |       |            | 1538.34 |       | P        | 6.0 |
| 8 | <input type="checkbox"/> |       |            | 1461.60 |       | P        | 8.2 |

**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      | 33.99    | 0.0000 | P        | 191. |
| 2 | <input type="checkbox"/> | 5.000    | 5.477      | 217.79   | 0.0001 | P        | 25.0 |
| 3 | <input type="checkbox"/> | 50.000   | 50.450     | 1721.83  | 0.0005 | P        | 2.6  |
| 4 | <input type="checkbox"/> | 125.000  | 124.690    | 4159.46  | 0.0011 | P        | 1.9  |
| 5 | <input type="checkbox"/> | 250.000  | 247.538    | 8307.07  | 0.0023 | P        | 2.6  |
| 6 | <input type="checkbox"/> | 500.000  | 510.487    | 16596.66 | 0.0046 | P        | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.386    | 32085.08 | 0.0091 | P        | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 25.99    | 0.0000 | P        | 428. |

$$y = 9.0841E-006 * x + 9.4059E-006$$

$$R = 0.9999$$

$$DL = 5.962$$

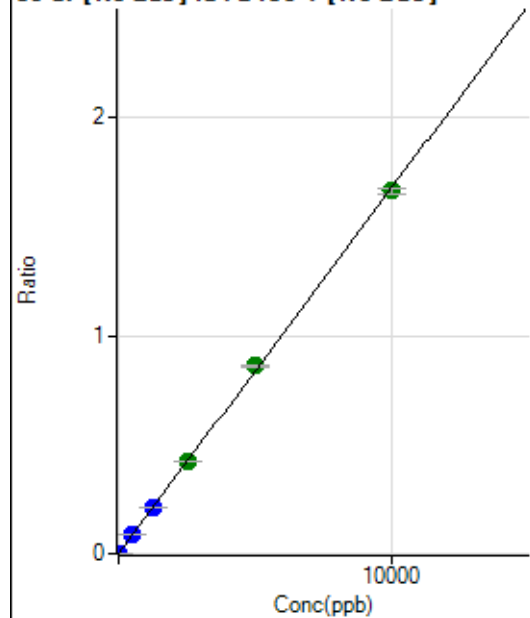
$$BEC = 1.035$$

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"/> |       |            | 1402.31 |       | P        | 5.3  |
| 2 | <input type="checkbox"/> |       |            | 1352.30 |       | P        | 2.3  |
| 3 | <input type="checkbox"/> |       |            | 1395.64 |       | P        | 4.4  |
| 4 | <input type="checkbox"/> |       |            | 1403.42 |       | P        | 3.8  |
| 5 | <input type="checkbox"/> |       |            | 1446.76 |       | P        | 4.0  |
| 6 | <input type="checkbox"/> |       |            | 1365.64 |       | P        | 10.2 |
| 7 | <input type="checkbox"/> |       |            | 1315.63 |       | P        | 1.4  |
| 8 | <input type="checkbox"/> |       |            | 1273.40 |       | P        | 8.2  |

**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      | 2200.23    | 0.0006 | P        | 14.5 |
| 2 | <input type="checkbox"/> | 1.000     | 1.072      | 2886.49    | 0.0008 | P        | 5.2  |
| 3 | <input type="checkbox"/> | 500.000   | 502.477    | 312628.30  | 0.0849 | P        | 1.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1277.796   | 783128.27  | 0.2150 | P        | 0.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2520.200   | 1557977.97 | 0.4235 | A        | 1.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 5134.703   | 3079751.15 | 0.8622 | A        | 1.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 9924.000   | 5905775.91 | 1.6659 | A        | 1.3  |
| 8 | <input type="checkbox"/> |           |            | 3639.47    | 0.0011 | P        | 3.8  |

$$y = 1.6780E-004 * x + 6.0528E-004$$

$$R = 0.9999$$

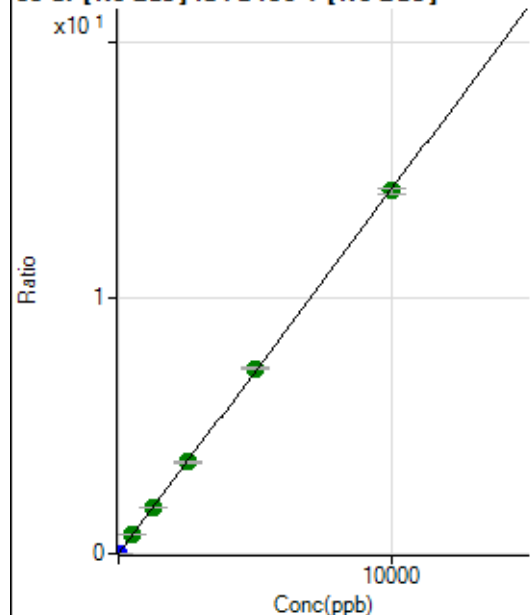
$$DL = 1.568$$

$$BEC = 3.607$$

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      | 33.34       | 0.0000  | P        | 66.6 |
| 2 | <input type="checkbox"/> | 1.000     | 1.023      | 5401.21     | 0.0015  | P        | 1.1  |
| 3 | <input type="checkbox"/> | 500.000   | 509.050    | 2673919.22  | 0.7263  | A        | 2.2  |
| 4 | <input type="checkbox"/> | 1250.000  | 1269.740   | 6598345.63  | 1.8117  | A        | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2507.223   | 13160682.41 | 3.5774  | A        | 1.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 5080.907   | 25894066.38 | 7.2495  | A        | 1.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 9954.821   | 50351955.29 | 14.2037 | A        | 1.5  |
| 8 | <input type="checkbox"/> |           |            | 13834.89    | 0.0041  | P        | 2.4  |

$$y = 0.0014 * x + 9.1891E-006$$

$$R = 1.0000$$

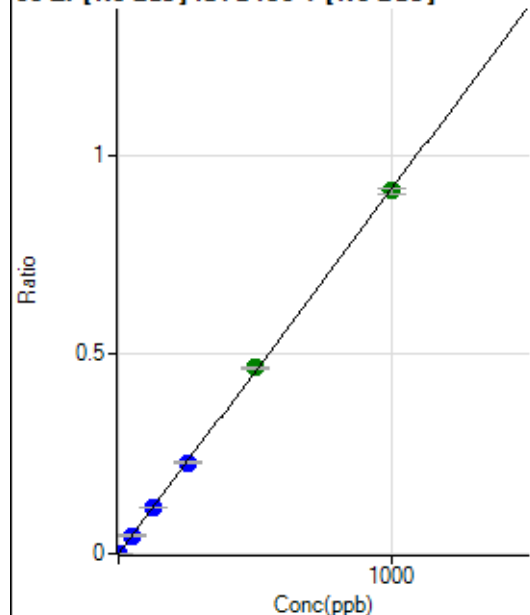
$$DL = 0.01287$$

$$BEC = 0.00644$$

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      | 166.67     | 0.0000 | P        | 15.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.018      | 3592.23    | 0.0010 | P        | 4.2  |
| 3 | <input type="checkbox"/> | 50.000   | 49.882     | 168152.24  | 0.0457 | P        | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 125.381    | 417916.12  | 0.1147 | P        | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 248.811    | 837487.36  | 0.2277 | P        | 2.3  |
| 6 | <input type="checkbox"/> | 500.000  | 509.807    | 1665929.78 | 0.4664 | A        | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.352    | 3228097.64 | 0.9106 | A        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 625.03     | 0.0002 | P        | 7.5  |

$$y = 9.1482E-004 * x + 4.5858E-005$$

$$R = 0.9999$$

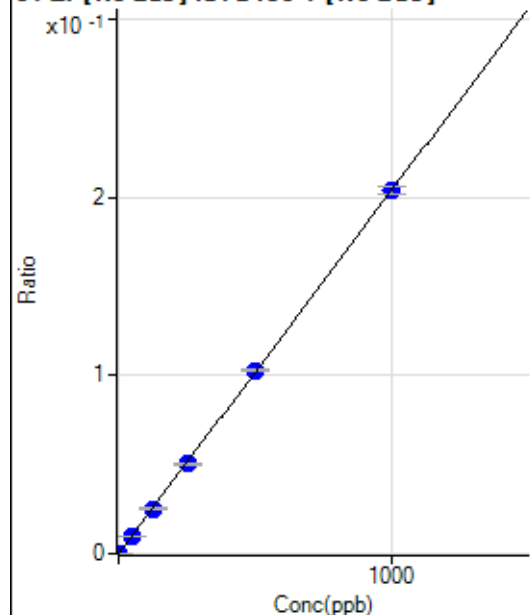
$$DL = 0.0229$$

$$BEC = 0.05013$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 69.45     | 0.0000 | P        | 39.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.840      | 700.04    | 0.0002 | P        | 4.7  |
| 3 | <input type="checkbox"/> | 50.000   | 49.784     | 37439.98  | 0.0102 | P        | 1.7  |
| 4 | <input type="checkbox"/> | 125.000  | 124.082    | 92218.92  | 0.0253 | P        | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 246.971    | 185318.88 | 0.0504 | P        | 3.1  |
| 6 | <input type="checkbox"/> | 500.000  | 503.582    | 366838.34 | 0.1027 | P        | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.092    | 722209.94 | 0.2037 | P        | 2.0  |
| 8 | <input type="checkbox"/> |          |            | 150.01    | 0.0000 | P        | 33.5 |

$$y = 2.0391\text{E-}004 * x + 1.9126\text{E-}005$$

$$R = 1.0000$$

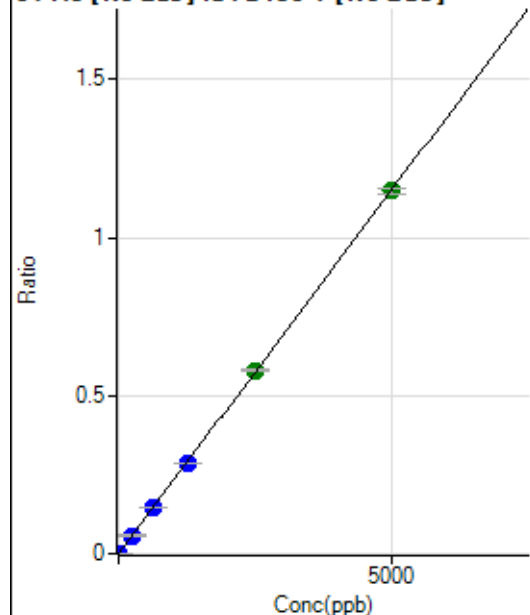
$$DL = 0.1099$$

$$BEC = 0.09379$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 77.78      | 0.0000 | P        | 16.7 |
| 2 | <input type="checkbox"/> | 5.000    | 5.019      | 4320.22    | 0.0012 | P        | 4.6  |
| 3 | <input type="checkbox"/> | 250.000  | 248.939    | 210689.05  | 0.0572 | P        | 1.9  |
| 4 | <input type="checkbox"/> | 625.000  | 626.270    | 524255.91  | 0.1439 | P        | 0.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1243.606   | 1051455.48 | 0.2858 | P        | 2.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2521.729   | 2070007.27 | 0.5796 | A        | 0.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 4990.628   | 4065811.38 | 1.1469 | A        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 1088.96    | 0.0003 | P        | 7.1  |

$$y = 2.2982\text{E-}004 * x + 2.1402\text{E-}005$$

$$R = 1.0000$$

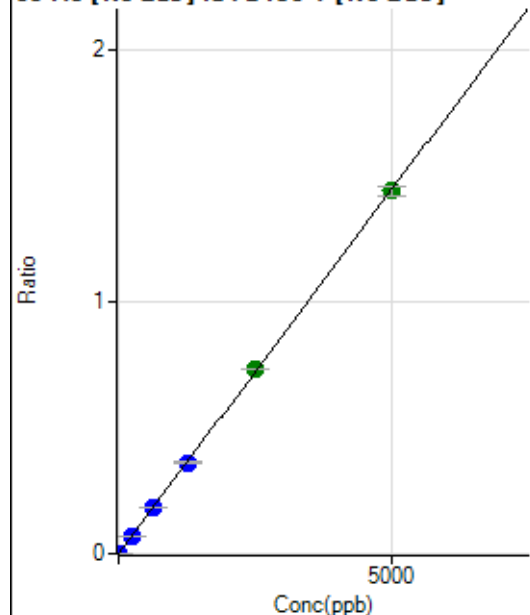
$$DL = 0.04676$$

$$BEC = 0.09313$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 22.22      | 0.0000 | P        | 77.6 |
| 2 | <input type="checkbox"/> | 5.000    | 4.914      | 5245.58    | 0.0014 | P        | 1.6  |
| 3 | <input type="checkbox"/> | 250.000  | 246.905    | 262766.29  | 0.0714 | P        | 1.5  |
| 4 | <input type="checkbox"/> | 625.000  | 629.415    | 662653.76  | 0.1820 | P        | 1.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1245.799   | 1324855.89 | 0.3601 | P        | 1.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2529.807   | 2612055.20 | 0.7313 | A        | 0.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 4985.750   | 5108264.48 | 1.4412 | A        | 2.9  |
| 8 | <input type="checkbox"/> |          |            | 1491.79    | 0.0004 | P        | 7.0  |

$$y = 2.8907\text{E-}004 * x + 6.1011\text{E-}006$$

$$R = 1.0000$$

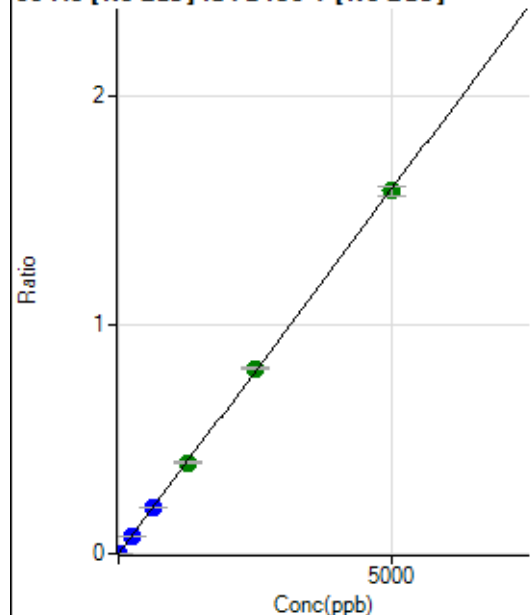
$$DL = 0.04915$$

$$BEC = 0.02111$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 55.56      | 0.0000 | P        | 31.3 |
| 2 | <input type="checkbox"/> | 5.000    | 4.892      | 5779.14    | 0.0016 | P        | 3.5  |
| 3 | <input type="checkbox"/> | 250.000  | 245.881    | 288024.09  | 0.0782 | P        | 1.2  |
| 4 | <input type="checkbox"/> | 625.000  | 626.651    | 726106.08  | 0.1994 | P        | 1.7  |
| 5 | <input type="checkbox"/> | 1250.000 | 1250.936   | 1464095.84 | 0.3980 | A        | 2.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2543.959   | 2890885.85 | 0.8093 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 5000.000 | 4977.786   | 5613013.67 | 1.5836 | A        | 2.8  |
| 8 | <input type="checkbox"/> |          |            | 1819.62    | 0.0005 | P        | 10.3 |

$$y = 3.1814\text{E-}004 * x + 1.5286\text{E-}005$$

$$R = 0.9999$$

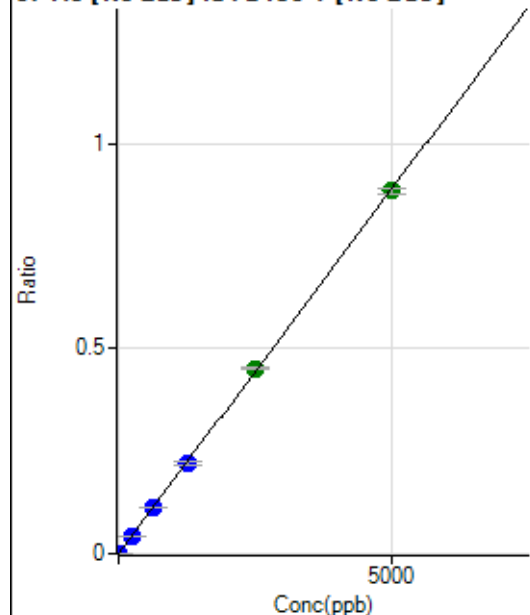
$$DL = 0.04513$$

$$BEC = 0.04805$$

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      | 8.33       | 0.0000 | P        | 99.9 |
| 2 | <input type="checkbox"/> | 5.000    | 4.960      | 3247.68    | 0.0009 | P        | 6.9  |
| 3 | <input type="checkbox"/> | 250.000  | 248.143    | 162243.45  | 0.0441 | P        | 1.8  |
| 4 | <input type="checkbox"/> | 625.000  | 631.292    | 408328.30  | 0.1121 | P        | 0.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1241.858   | 811308.46  | 0.2206 | P        | 2.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2544.987   | 1614390.80 | 0.4520 | A        | 1.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4978.849   | 3134367.82 | 0.8842 | A        | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 944.50     | 0.0003 | P        | 16.2 |

$$y = 1.7760\text{E-}004 * x + 2.2963\text{E-}006$$

$$R = 0.9999$$

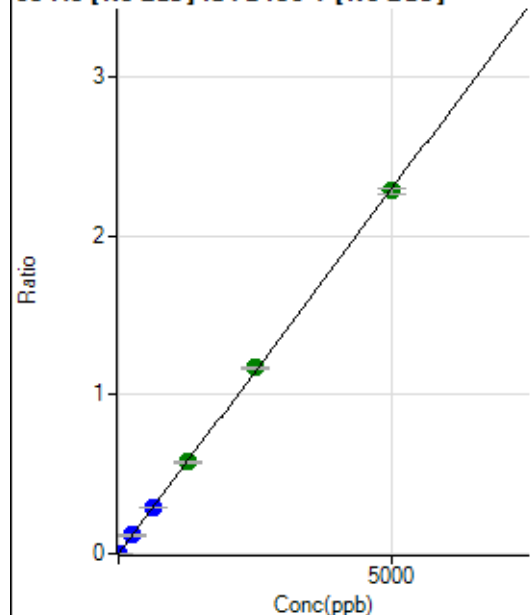
$$DL = 0.03873$$

$$BEC = 0.01293$$

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      | 19.45      | 0.0000 | P        | 24.7 |
| 2 | <input type="checkbox"/> | 5.000    | 4.811      | 8130.39    | 0.0022 | P        | 3.2  |
| 3 | <input type="checkbox"/> | 250.000  | 250.634    | 423012.41  | 0.1149 | P        | 0.4  |
| 4 | <input type="checkbox"/> | 625.000  | 626.025    | 1045327.86 | 0.2870 | P        | 0.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1254.281   | 2115563.70 | 0.5751 | A        | 2.2  |
| 6 | <input type="checkbox"/> | 2500.000 | 2548.675   | 4173656.21 | 1.1685 | A        | 0.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4974.432   | 8084336.46 | 2.2806 | A        | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 2158.56    | 0.0006 | P        | 7.0  |

$$y = 4.5847\text{E-}004 * x + 5.3493\text{E-}006$$

$$R = 0.9999$$

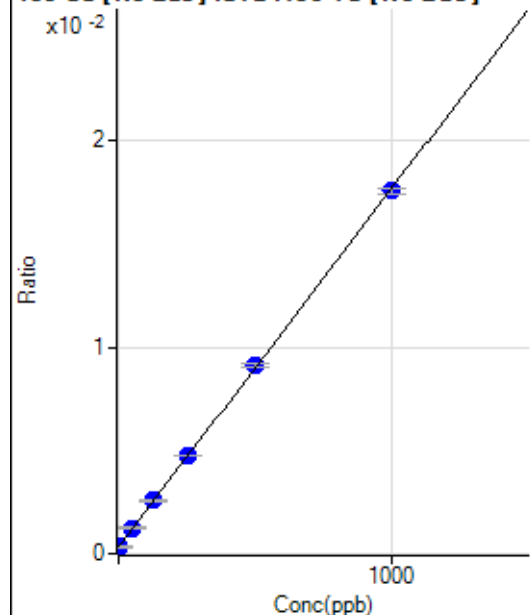
$$DL = 0.008662$$

$$BEC = 0.01167$$

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      | 908.39   | 0.0003 | P        | 3.1  |
| 2 | <input type="checkbox"/> | 1.000    | -0.261     | 908.39   | 0.0003 | P        | 17.8 |
| 3 | <input type="checkbox"/> | 50.000   | 53.134     | 3522.77  | 0.0013 | P        | 9.2  |
| 4 | <input type="checkbox"/> | 125.000  | 130.972    | 7441.11  | 0.0026 | P        | 3.7  |
| 5 | <input type="checkbox"/> | 250.000  | 254.942    | 13504.15 | 0.0048 | P        | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 507.918    | 25963.86 | 0.0091 | P        | 2.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.904    | 49271.83 | 0.0176 | P        | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 930.62   | 0.0003 | P        | 16.1 |

$$y = 1.7368E-005 * x + 3.2825E-004$$

$$R = 0.9999$$

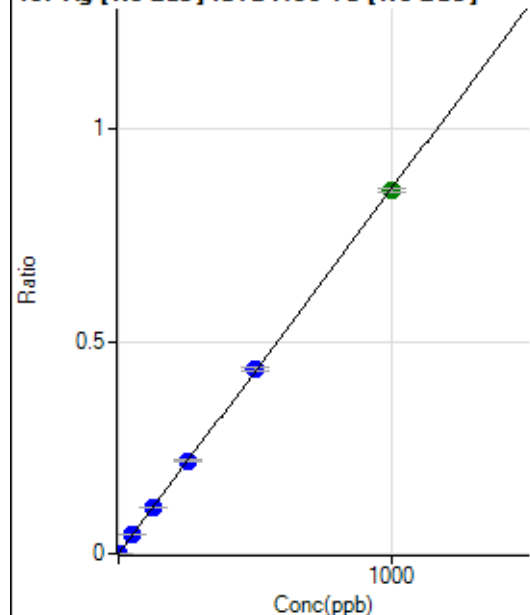
$$DL = 1.747$$

$$BEC = 18.9$$

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      | 8.33       | 0.0000 | P        | 100. |
| 2 | <input type="checkbox"/> | 1.000    | 0.930      | 2247.47    | 0.0008 | P        | 16.3 |
| 3 | <input type="checkbox"/> | 50.000   | 52.112     | 126255.79  | 0.0448 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 128.012    | 314497.55  | 0.1100 | P        | 0.2  |
| 5 | <input type="checkbox"/> | 250.000  | 255.517    | 623616.78  | 0.2196 | P        | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 507.688    | 1237834.69 | 0.4364 | P        | 1.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.295    | 2393794.00 | 0.8546 | A        | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 733.37     | 0.0003 | P        | 8.1  |

$$y = 8.5950E-004 * x + 2.9870E-006$$

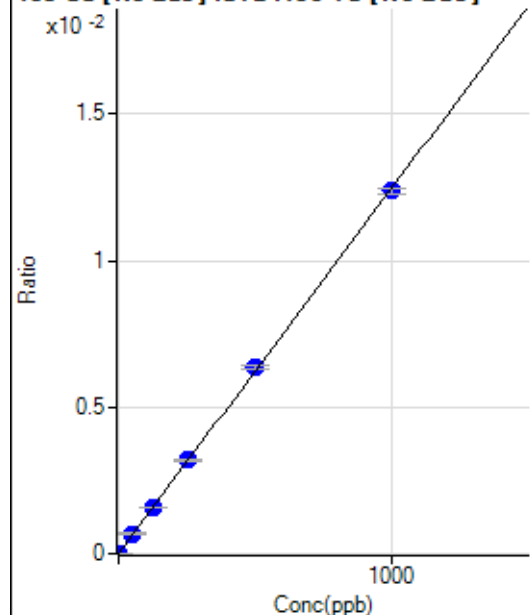
$$R = 0.9999$$

$$DL = 0.01045$$

$$BEC = 0.003475$$

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      | 18.06    | 0.0000 | P        | 66.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.262      | 62.50    | 0.0000 | P        | 19.3 |
| 3 | <input type="checkbox"/> | 50.000   | 53.467     | 1894.60  | 0.0007 | P        | 5.3  |
| 4 | <input type="checkbox"/> | 125.000  | 125.669    | 4491.07  | 0.0016 | P        | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 255.562    | 9055.84  | 0.0032 | P        | 2.7  |
| 6 | <input type="checkbox"/> | 500.000  | 509.694    | 18021.65 | 0.0064 | P        | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.505    | 34667.24 | 0.0124 | P        | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 43.06    | 0.0000 | P        | 12.7 |

$$y = 1.2451\text{E-}005 * x + 6.5447\text{E-}006$$

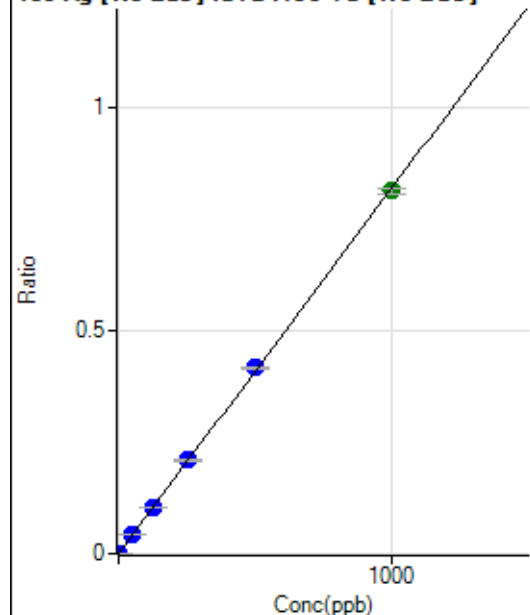
$$R = 0.9999$$

$$DL = 1.054$$

$$BEC = 0.5256$$

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      | 2.78       | 0.0000 | P        | 173. |
| 2 | <input type="checkbox"/> | 1.000    | 0.950      | 2180.79    | 0.0008 | P        | 22.2 |
| 3 | <input type="checkbox"/> | 50.000   | 51.915     | 119726.08  | 0.0425 | P        | 1.9  |
| 4 | <input type="checkbox"/> | 125.000  | 127.679    | 298606.98  | 0.1045 | P        | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 256.157    | 595149.18  | 0.2096 | P        | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 508.808    | 1181020.71 | 0.4163 | P        | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.626    | 2277279.30 | 0.8130 | A        | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 644.48     | 0.0002 | P        | 12.3 |

$$y = 8.1823\text{E-}004 * x + 9.9144\text{E-}007$$

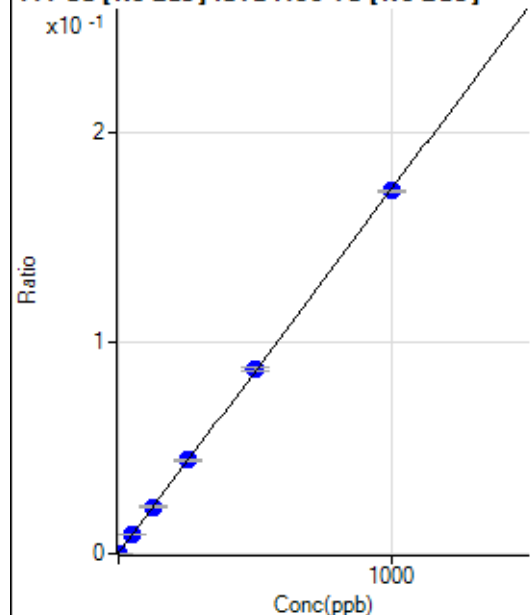
$$R = 0.9999$$

$$DL = 0.006296$$

$$BEC = 0.001212$$

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      | 660.73    | 0.0002 | P   | 2.9  |
| 2 | <input type="checkbox"/> | 1.000    | 1.023      | 1165.76   | 0.0004 | P   | 8.1  |
| 3 | <input type="checkbox"/> | 50.000   | 52.306     | 26137.49  | 0.0093 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 127.993    | 63865.46  | 0.0223 | P   | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 256.936    | 126687.37 | 0.0446 | P   | 1.6  |
| 6 | <input type="checkbox"/> | 500.000  | 504.650    | 247921.84 | 0.0874 | P   | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.452    | 482247.39 | 0.1722 | P   | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 849.08    | 0.0003 | P   | 13.6 |

$$y = 1.7271\text{E-}004 * x + 2.3875\text{E-}004$$

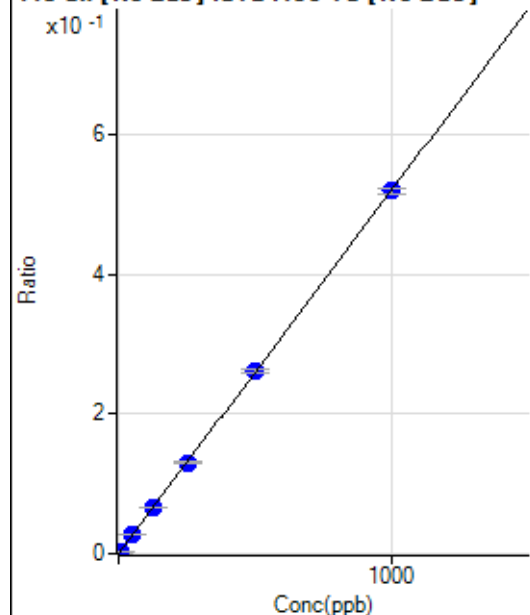
$$R = 1.0000$$

$$DL = 0.1187$$

$$BEC = 1.382$$

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      | 197.23     | 0.0001 | P   | 38.1 |
| 2 | <input type="checkbox"/> | 5.000    | 5.102      | 7641.25    | 0.0027 | P   | 5.1  |
| 3 | <input type="checkbox"/> | 50.000   | 51.177     | 75211.94   | 0.0267 | P   | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 125.221    | 186316.97  | 0.0652 | P   | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 250.867    | 370629.34  | 0.1305 | P   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 502.012    | 740657.49  | 0.2611 | P   | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.691    | 1454786.43 | 0.5194 | P   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 925.06     | 0.0003 | P   | 7.2  |

$$y = 5.1999\text{E-}004 * x + 7.1589\text{E-}005$$

$$R = 1.0000$$

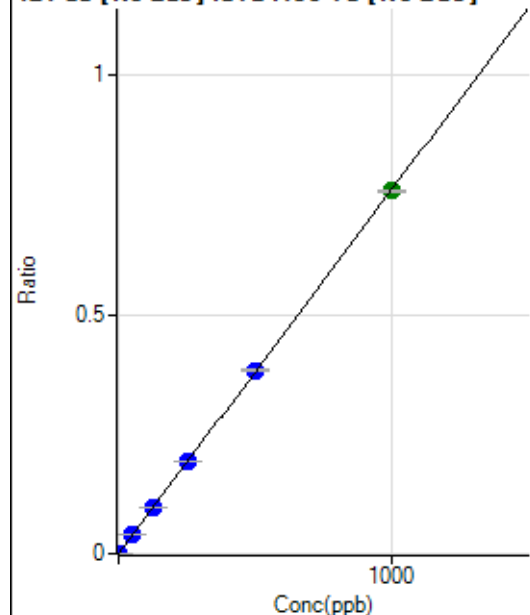
$$DL = 0.1576$$

$$BEC = 0.1377$$

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      | 41.67      | 0.0000 | P   | 38.7 |
| 2 | <input type="checkbox"/> | 2.000    | 2.012      | 4331.36    | 0.0015 | P   | 2.6  |
| 3 | <input type="checkbox"/> | 50.000   | 50.521     | 108285.95  | 0.0384 | P   | 0.1  |
| 4 | <input type="checkbox"/> | 125.000  | 124.637    | 270834.19  | 0.0948 | P   | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 252.800    | 545694.57  | 0.1922 | P   | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 503.685    | 1086151.60 | 0.3829 | P   | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.477    | 2123753.48 | 0.7582 | A   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 1389.00    | 0.0005 | P   | 16.4 |

$$y = 7.6011\text{E-}004 * x + 1.5002\text{E-}005$$

$$R = 1.0000$$

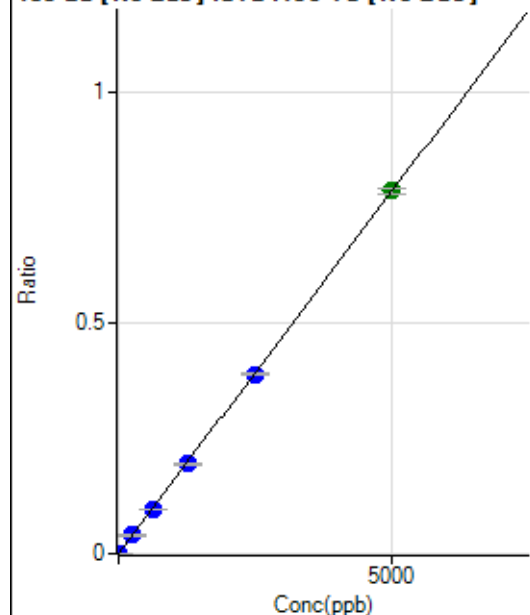
$$DL = 0.02293$$

$$BEC = 0.01974$$

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      | 16.67      | 0.0000 | P   | 49.3 |
| 2 | <input type="checkbox"/> | 10.000   | 10.182     | 4486.95    | 0.0016 | P   | 4.4  |
| 3 | <input type="checkbox"/> | 250.000  | 252.827    | 111577.63  | 0.0396 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 625.000  | 617.740    | 276435.83  | 0.0967 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1245.999   | 553897.19  | 0.1951 | P   | 2.1  |
| 6 | <input type="checkbox"/> | 2500.000 | 2479.637   | 1101221.54 | 0.3882 | P   | 1.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 5011.947   | 2197801.76 | 0.7846 | A   | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 805.60     | 0.0003 | P   | 7.4  |

$$y = 1.5655\text{E-}004 * x + 5.9997\text{E-}006$$

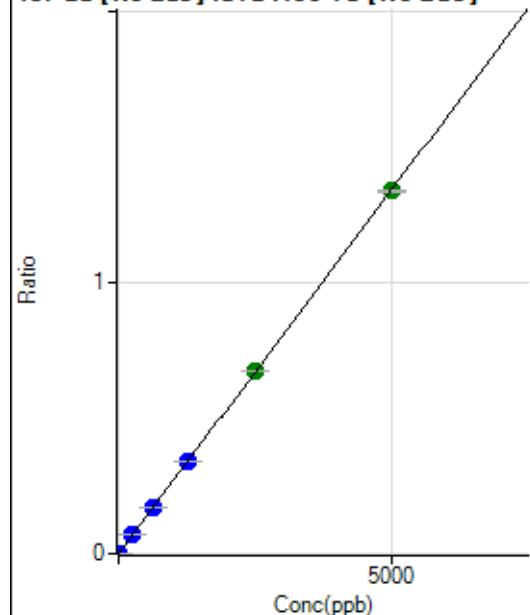
$$R = 1.0000$$

$$DL = 0.05663$$

$$BEC = 0.03832$$

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      | 11.11      | 0.0000 | P        | 42.1 |
| 2 | <input type="checkbox"/> | 10.000   | 10.692     | 8060.96    | 0.0029 | P        | 1.5  |
| 3 | <input type="checkbox"/> | 250.000  | 255.949    | 193638.90  | 0.0687 | P        | 0.8  |
| 4 | <input type="checkbox"/> | 625.000  | 633.335    | 485914.39  | 0.1700 | P        | 0.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1269.880   | 967904.39  | 0.3409 | P        | 1.5  |
| 6 | <input type="checkbox"/> | 2500.000 | 2510.261   | 1911618.23 | 0.6738 | A        | 0.6  |
| 7 | <input type="checkbox"/> | 5000.000 | 4988.559   | 3750642.40 | 1.3390 | A        | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 1336.22    | 0.0005 | P        | 8.2  |

$$y = 2.6842E-004 * x + 4.0042E-006$$

$$R = 1.0000$$

$$DL = 0.01886$$

$$BEC = 0.01492$$

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"/> |       |            | 0.00   |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 0.0  |
| 3 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 34.6 |
| 4 | <input type="checkbox"/> |       |            | 24.45  |       | P        | 15.8 |
| 5 | <input type="checkbox"/> |       |            | 40.00  |       | P        | 33.3 |
| 6 | <input type="checkbox"/> |       |            | 51.11  |       | P        | 15.1 |
| 7 | <input type="checkbox"/> |       |            | 131.12 |       | P        | 28.0 |
| 8 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 17.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS  | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00 |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 0.00 |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 0.00 |       | P        |      |
| 4 | <input type="checkbox"/> |       |            | 2.22 |       | P        | 86.6 |
| 5 | <input type="checkbox"/> |       |            | 2.22 |       | P        | 173. |
| 6 | <input type="checkbox"/> |       |            | 0.00 |       | P        |      |
| 7 | <input type="checkbox"/> |       |            | 3.33 |       | P        | 100. |
| 8 | <input type="checkbox"/> |       |            | 3.33 |       | P        | 100. |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.78   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 114. |
| 3 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 105. |
| 4 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 43.3 |
| 5 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 32.7 |
| 6 | <input type="checkbox"/> |       |            | 100.00 |       | P        | 22.0 |
| 7 | <input type="checkbox"/> |       |            | 122.23 |       | P        | 41.1 |
| 8 | <input type="checkbox"/> |       |            | 494.47 |       | P        | 10.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 0.00   |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 114. |
| 4 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 96.4 |
| 5 | <input type="checkbox"/> |       |            | 25.56  |       | P        | 19.9 |
| 6 | <input type="checkbox"/> |       |            | 32.22  |       | P        | 12.0 |
| 7 | <input type="checkbox"/> |       |            | 71.11  |       | P        | 22.2 |
| 8 | <input type="checkbox"/> |       |            | 262.23 |       | P        | 17.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 57.3 |
| 2 | <input type="checkbox"/> |       |            | 19.44  |       | P        | 65.5 |
| 3 | <input type="checkbox"/> |       |            | 30.56  |       | P        | 63.0 |
| 4 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 90.1 |
| 5 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 68.9 |
| 6 | <input type="checkbox"/> |       |            | 86.11  |       | P        | 20.1 |
| 7 | <input type="checkbox"/> |       |            | 97.23  |       | P        | 17.8 |
| 8 | <input type="checkbox"/> |       |            | 513.92 |       | P        | 21.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 7.78   |       | P        | 24.7 |
| 2 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 15.7 |
| 3 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 41.7 |
| 4 | <input type="checkbox"/> |       |            | 14.45  |       | P        | 26.7 |
| 5 | <input type="checkbox"/> |       |            | 24.44  |       | P        | 41.7 |
| 6 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 45.4 |
| 7 | <input type="checkbox"/> |       |            | 70.00  |       | P        | 14.3 |
| 8 | <input type="checkbox"/> |       |            | 306.67 |       | P        | 14.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 13.89 |       | P        | 124. |
| 2 | <input type="checkbox"/> |       |            | 33.34 |       | P        | 66.1 |
| 3 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 44.6 |
| 4 | <input type="checkbox"/> |       |            | 19.44 |       | P        | 49.5 |
| 5 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 25.0 |
| 6 | <input type="checkbox"/> |       |            | 36.11 |       | P        | 26.7 |
| 7 | <input type="checkbox"/> |       |            | 36.11 |       | P        | 35.3 |
| 8 | <input type="checkbox"/> |       |            | 61.12 |       | P        | 7.9  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 43.4 |
| 2 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 91.6 |
| 3 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 41.7 |
| 4 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 50.0 |
| 5 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 43.3 |
| 6 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 34.6 |
| 7 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 40.7 |
| 8 | <input type="checkbox"/> |       |            | 43.34 |       | P        | 48.0 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 19.44 |       | P        | 99.0 |
| 2 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 114. |
| 3 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 8.33  |       | P        | 173. |
| 5 | <input type="checkbox"/> |       |            | 8.33  |       | P        | 173. |
| 6 | <input type="checkbox"/> |       |            | 16.66 |       | P        | 86.6 |
| 7 | <input type="checkbox"/> |       |            | 19.45 |       | P        | 24.7 |
| 8 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 33.3 |

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

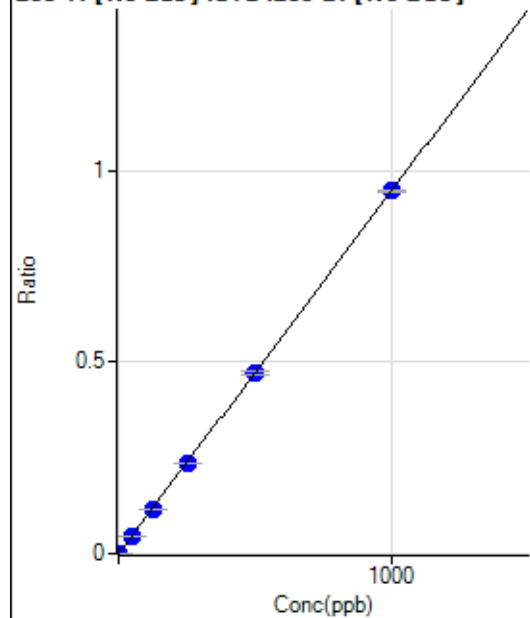
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 7.41  |       | P        | 43.2 |
| 2 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 1.85  |       | P        | 173. |
| 5 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 132. |
| 6 | <input type="checkbox"/> |       |            | 3.71  |       | P        | 86.6 |
| 7 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 100. |
| 8 | <input type="checkbox"/> |       |            | 12.96 |       | P        | 89.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 366.68 |       | P        | 2.3  |
| 2 | <input type="checkbox"/> |       |            | 400.02 |       | P        | 31.5 |
| 3 | <input type="checkbox"/> |       |            | 352.79 |       | P        | 3.6  |
| 4 | <input type="checkbox"/> |       |            | 338.90 |       | P        | 15.0 |
| 5 | <input type="checkbox"/> |       |            | 336.13 |       | P        | 27.9 |
| 6 | <input type="checkbox"/> |       |            | 325.01 |       | P        | 13.3 |
| 7 | <input type="checkbox"/> |       |            | 358.35 |       | P        | 2.3  |
| 8 | <input type="checkbox"/> |       |            | 322.23 |       | P        | 16.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 250.01 |       | P        | 17.8 |
| 2 | <input type="checkbox"/> |       |            | 187.04 |       | P        | 16.4 |
| 3 | <input type="checkbox"/> |       |            | 192.60 |       | P        | 18.3 |
| 4 | <input type="checkbox"/> |       |            | 200.01 |       | P        | 2.8  |
| 5 | <input type="checkbox"/> |       |            | 214.82 |       | P        | 31.9 |
| 6 | <input type="checkbox"/> |       |            | 200.01 |       | P        | 15.5 |
| 7 | <input type="checkbox"/> |       |            | 237.04 |       | P        | 13.5 |
| 8 | <input type="checkbox"/> |       |            | 201.86 |       | P        | 12.4 |

**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      | 138.90     | 0.0001 | P        | 54.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.051      | 1733.50    | 0.0011 | P        | 11.4 |
| 3 | <input type="checkbox"/> | 50.000   | 49.210     | 75405.28   | 0.0467 | P        | 1.4  |
| 4 | <input type="checkbox"/> | 125.000  | 123.620    | 189575.09  | 0.1172 | P        | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 250.267    | 381415.32  | 0.2372 | P        | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 500.008    | 762074.15  | 0.4739 | P        | 2.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.141   | 1501561.64 | 0.9478 | P        | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 619.48     | 0.0004 | P        | 25.4 |

$$y = 9.4757E-004 * x + 8.7840E-005$$

$$R = 1.0000$$

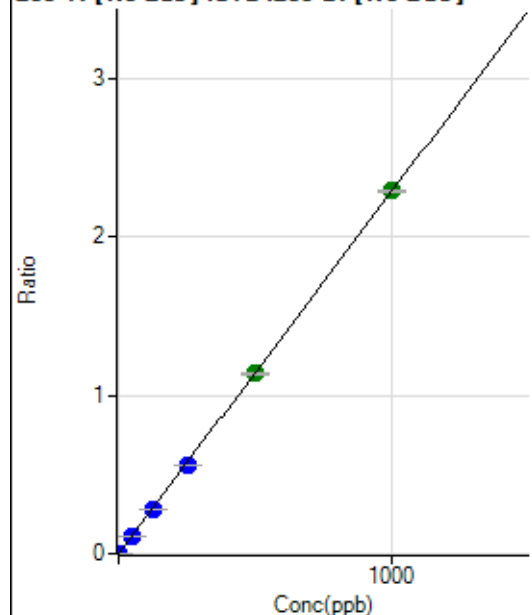
$$DL = 0.1508$$

$$BEC = 0.0927$$

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      | 344.46     | 0.0002 | P   | 7.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.921      | 3717.28    | 0.0023 | P   | 6.4 |
| 3 | <input type="checkbox"/> | 50.000   | 48.719     | 180307.83  | 0.1117 | P   | 1.9 |
| 4 | <input type="checkbox"/> | 125.000  | 123.636    | 457860.44  | 0.2831 | P   | 1.4 |
| 5 | <input type="checkbox"/> | 250.000  | 246.305    | 906523.07  | 0.5638 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 497.731    | 1832262.91 | 1.1392 | A   | 0.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.293   | 3634071.22 | 2.2938 | A   | 0.8 |
| 8 | <input type="checkbox"/> |          |            | 1338.99    | 0.0009 | P   | 3.7 |

$$y = 0.0023 * x + 2.1783E-004$$

$$R = 1.0000$$

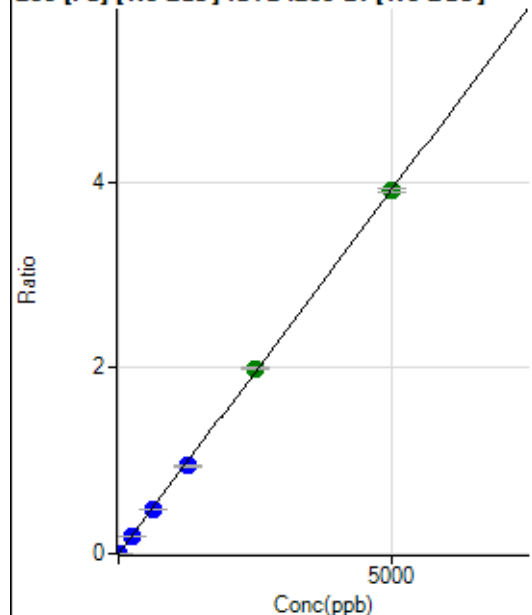
$$DL = 0.02085$$

$$BEC = 0.09519$$

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      | 157.41     | 0.0001 | P   | 11.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.012      | 1426.03    | 0.0009 | P   | 8.1  |
| 3 | <input type="checkbox"/> | 250.000  | 239.992    | 303630.74  | 0.1881 | P   | 1.7  |
| 4 | <input type="checkbox"/> | 625.000  | 606.323    | 768316.91  | 0.4751 | P   | 1.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1205.494   | 1518618.95 | 0.9445 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2548.511   | 3211513.41 | 1.9967 | A   | 0.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4989.706   | 6193392.27 | 3.9092 | A   | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 12813.95   | 0.0085 | P   | 0.6  |

$$y = 7.8343E-004 * x + 9.9587E-005$$

$$R = 0.9999$$

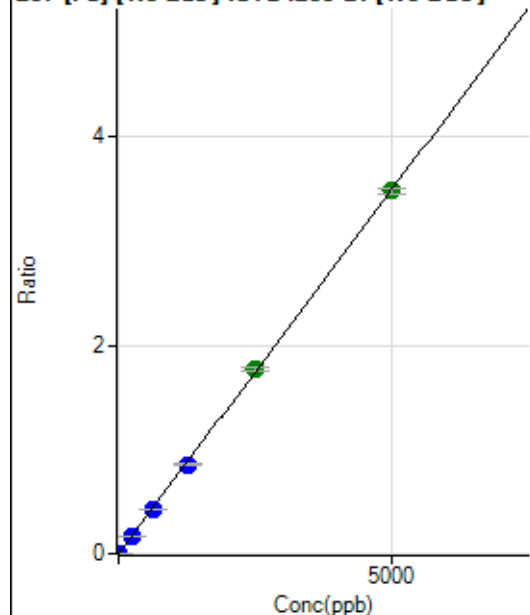
$$DL = 0.04418$$

$$BEC = 0.1271$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 120.37     | 0.0001 | P    | 10.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.906      | 1131.55    | 0.0007 | P    | 8.3  |
| 3 | <input type="checkbox"/> | 250.000  | 242.015    | 272697.53  | 0.1689 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 625.000  | 607.190    | 685288.88  | 0.4238 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1225.748   | 1375276.09 | 0.8554 | P    | 1.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2538.520   | 2849018.55 | 1.7714 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 5000.000 | 4989.429   | 5516029.93 | 3.4816 | A    | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 11501.58   | 0.0077 | P    | 2.0  |

$$y = 6.9778\text{E-}004 * x + 7.6124\text{E-}005$$

$$R = 0.9999$$

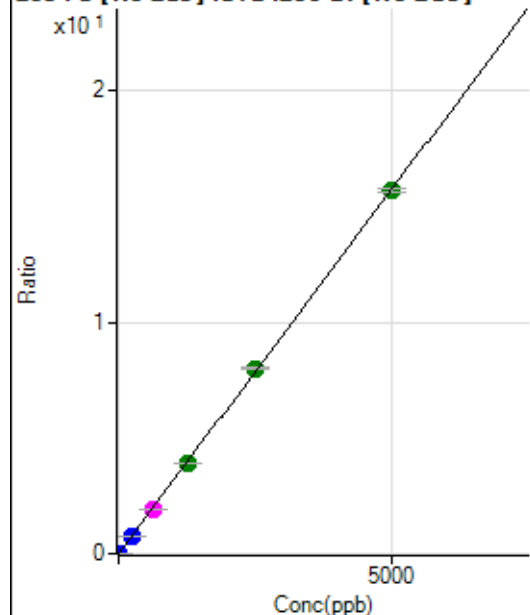
$$DL = 0.03396$$

$$BEC = 0.1091$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 594.46      | 0.0004  | P    | 12.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.977      | 5509.83     | 0.0034  | P    | 2.4  |
| 3 | <input type="checkbox"/> | 250.000  | 242.235    | 1229247.91  | 0.7616  | P    | 0.9  |
| 4 | <input type="checkbox"/> | 625.000  | 610.284    | 3101965.06  | 1.9182  | M    | 1.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1241.946   | 6275679.05  | 3.9032  | A    | 2.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2541.725   | 12847096.06 | 7.9877  | A    | 1.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 4983.379   | 24811533.13 | 15.6606 | A    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 51241.94    | 0.0341  | P    | 1.1  |

$$y = 0.0031 * x + 3.7603\text{E-}004$$

$$R = 0.9999$$

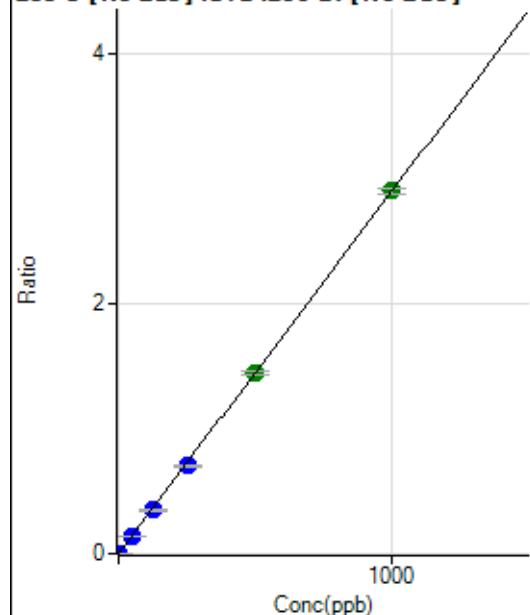
$$DL = 0.04541$$

$$BEC = 0.1197$$

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      | 11.11      | 0.0000 | P        | 86.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.013      | 4703.78    | 0.0029 | P        | 8.2  |
| 3 | <input type="checkbox"/> | 50.000   | 48.077     | 224950.35  | 0.1394 | P        | 1.8  |
| 4 | <input type="checkbox"/> | 125.000  | 120.073    | 562932.78  | 0.3481 | P        | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 244.199    | 1138298.15 | 0.7080 | P        | 2.0  |
| 6 | <input type="checkbox"/> | 500.000  | 499.074    | 2326805.65 | 1.4469 | A        | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.625   | 4605222.28 | 2.9067 | A        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 533.36     | 0.0004 | P        | 9.0  |

$$y = 0.0029 * x + 7.0170E-006$$

$$R = 1.0000$$

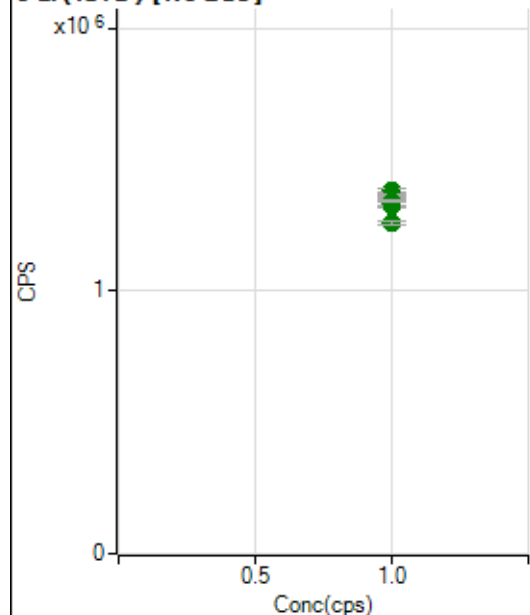
$$DL = 0.006288$$

$$BEC = 0.00242$$

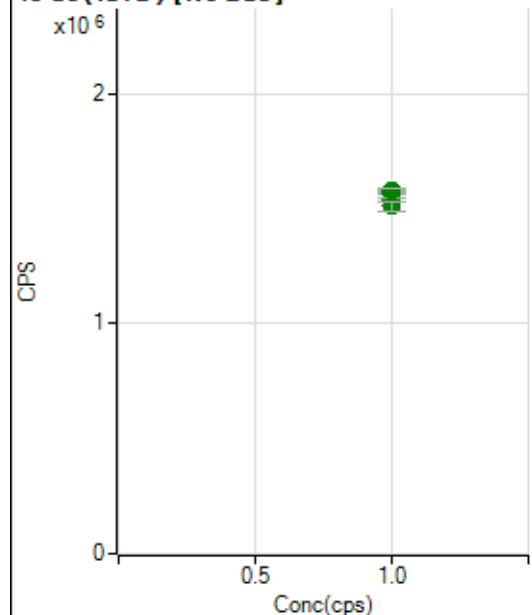
Weight: &lt;None&gt;

Min Conc: 0

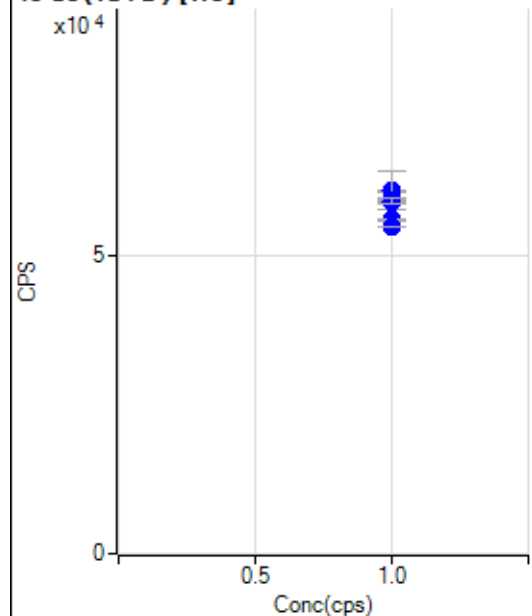
6 Li (ISTD) [No Gas]



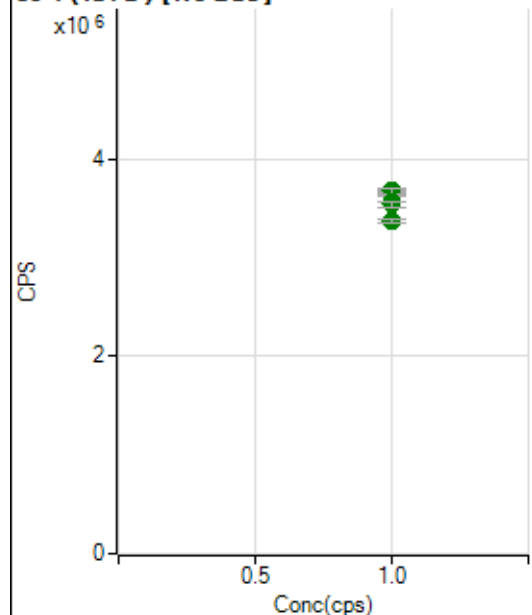
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1328449.99 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1332147.46 |       | A        | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1360775.15 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1381577.59 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1349296.12 |       | A        | 1.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1369161.57 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1342521.46 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1260043.48 |       | A        | 1.4 |

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

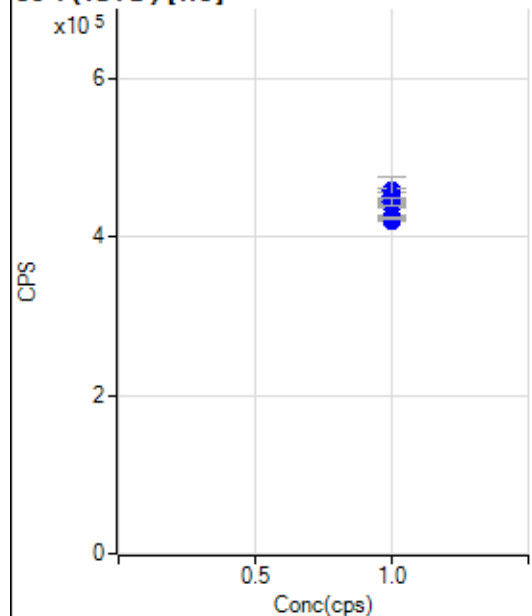
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1542126.21 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1572816.18 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1569657.24 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1575673.71 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1578250.86 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1567295.29 |       | A        | 2.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1547642.44 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1511391.35 |       | A        | 2.5 |

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

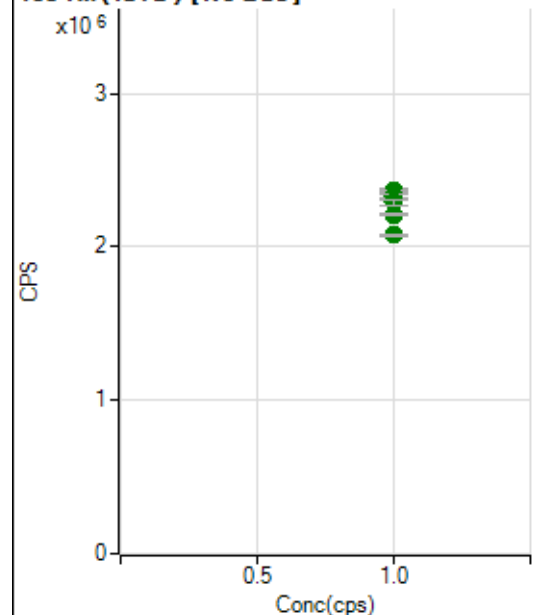
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|----------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 59159.87 |       | P        | 0.6  |
| 2 | <input type="checkbox"/> | 1.000 |            | 60863.81 |       | P        | 0.3  |
| 3 | <input type="checkbox"/> | 1.000 |            | 60900.70 |       | P        | 10.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 59313.94 |       | P        | 1.3  |
| 5 | <input type="checkbox"/> | 1.000 |            | 59091.91 |       | P        | 0.7  |
| 6 | <input type="checkbox"/> | 1.000 |            | 59199.20 |       | P        | 1.5  |
| 7 | <input type="checkbox"/> | 1.000 |            | 56048.60 |       | P        | 0.9  |
| 8 | <input type="checkbox"/> | 1.000 |            | 54913.29 |       | P        | 0.3  |

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

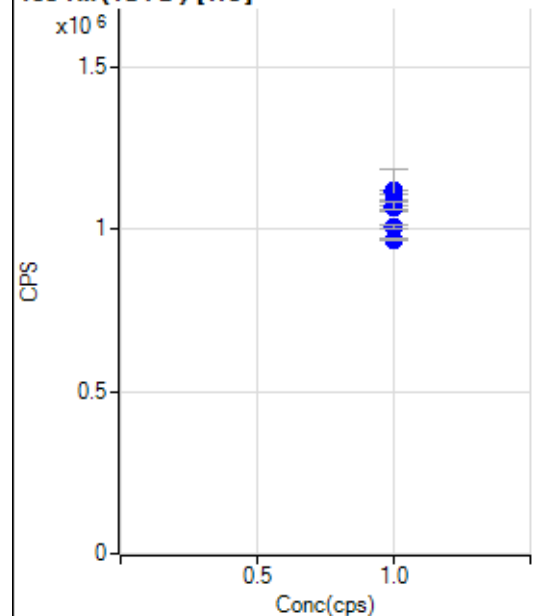
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3635519.70 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3676900.39 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3681187.58 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3642049.22 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3679433.21 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3571809.46 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3545318.76 |       | A        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3370755.61 |       | A        | 1.3 |

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

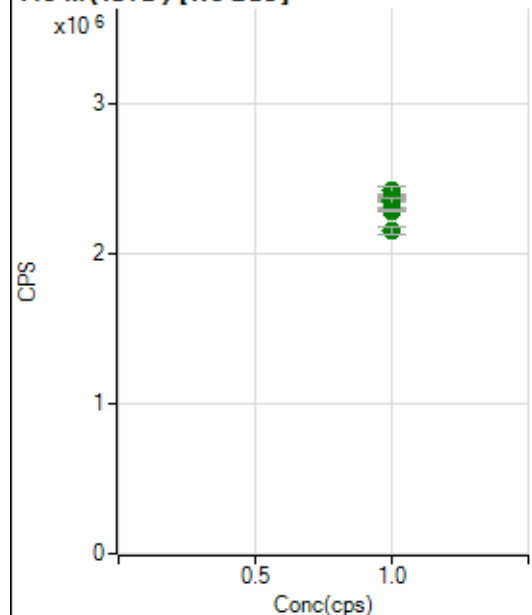
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-----------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 447762.64 |       | P        | 1.2  |
| 2 | <input type="checkbox"/> | 1.000 |            | 458222.10 |       | P        | 1.1  |
| 3 | <input type="checkbox"/> | 1.000 |            | 452618.69 |       | P        | 10.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 444898.49 |       | P        | 0.8  |
| 5 | <input type="checkbox"/> | 1.000 |            | 439400.11 |       | P        | 0.9  |
| 6 | <input type="checkbox"/> | 1.000 |            | 444789.24 |       | P        | 2.5  |
| 7 | <input type="checkbox"/> | 1.000 |            | 421298.62 |       | P        | 0.6  |
| 8 | <input type="checkbox"/> | 1.000 |            | 423951.23 |       | P        | 0.6  |

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

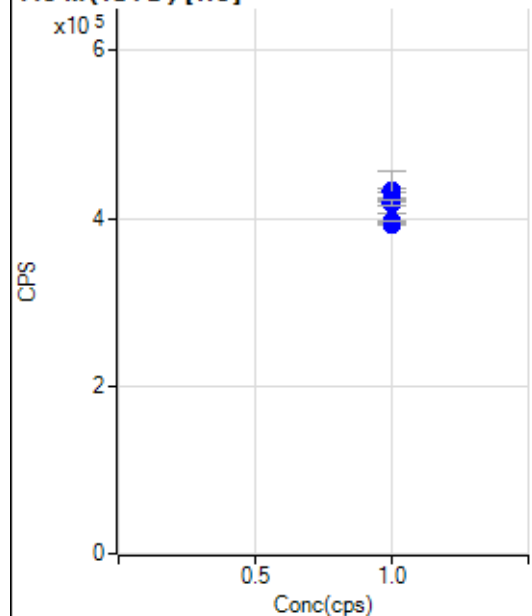
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2365577.75 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2348628.31 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2364934.41 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2331338.79 |       | A        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2331225.16 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2289145.86 |       | A        | 1.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2209830.19 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2076355.10 |       | A        | 0.6 |

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

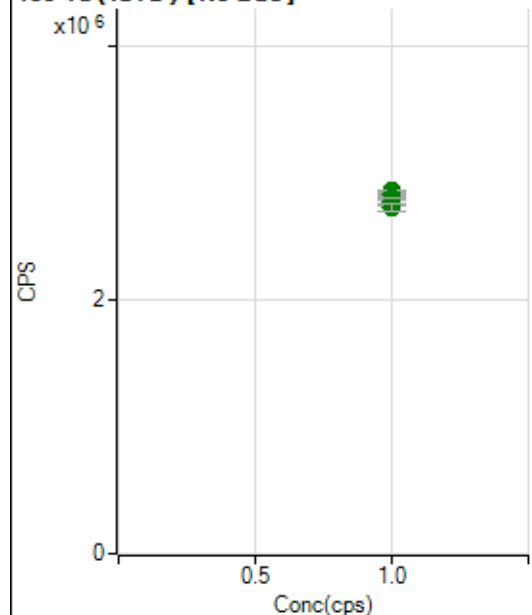
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 1090827.76 |       | P        | 0.1  |
| 2 | <input type="checkbox"/> | 1.000 |            | 1114700.55 |       | P        | 1.2  |
| 3 | <input type="checkbox"/> | 1.000 |            | 1117391.36 |       | P        | 11.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1084087.06 |       | P        | 0.4  |
| 5 | <input type="checkbox"/> | 1.000 |            | 1066714.64 |       | P        | 1.2  |
| 6 | <input type="checkbox"/> | 1.000 |            | 1073910.35 |       | P        | 2.3  |
| 7 | <input type="checkbox"/> | 1.000 |            | 1006023.24 |       | P        | 0.9  |
| 8 | <input type="checkbox"/> | 1.000 |            | 966683.36  |       | P        | 0.7  |

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

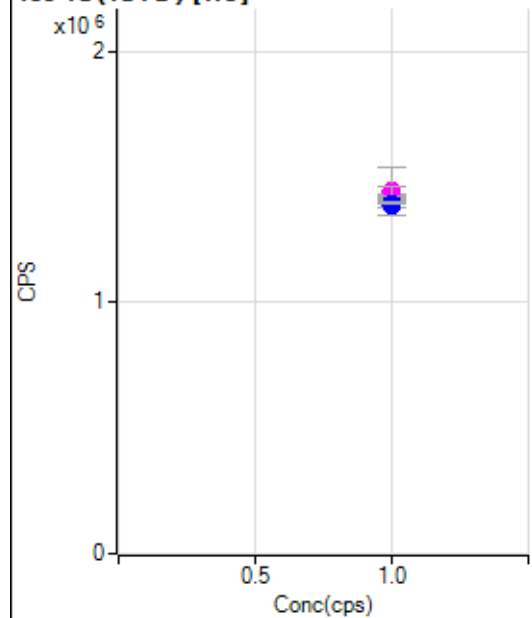
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2357745.82 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2386759.04 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2367032.20 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2417285.79 |       | A        | 2.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2357088.07 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2340813.96 |       | A        | 2.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2282928.04 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2155551.52 |       | A        | 2.3 |

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

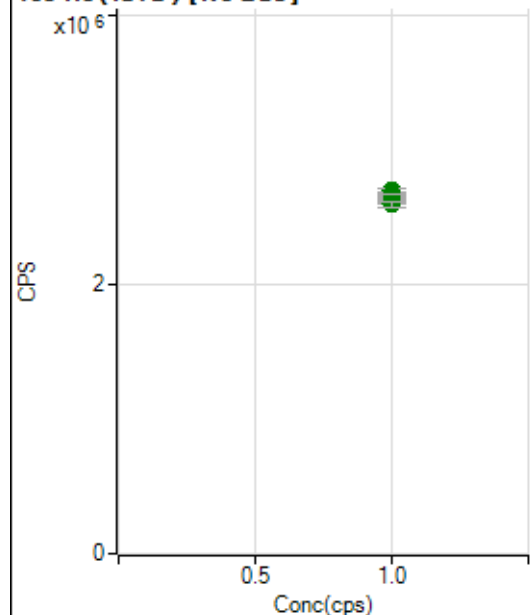
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-----------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 424788.62 |       | P        | 0.3  |
| 2 | <input type="checkbox"/> | 1.000 |            | 432775.71 |       | P        | 1.1  |
| 3 | <input type="checkbox"/> | 1.000 |            | 431468.89 |       | P        | 11.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 422378.92 |       | P        | 0.4  |
| 5 | <input type="checkbox"/> | 1.000 |            | 417596.81 |       | P        | 0.7  |
| 6 | <input type="checkbox"/> | 1.000 |            | 419002.20 |       | P        | 2.0  |
| 7 | <input type="checkbox"/> | 1.000 |            | 392470.77 |       | P        | 0.6  |
| 8 | <input type="checkbox"/> | 1.000 |            | 396757.68 |       | P        | 0.4  |

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

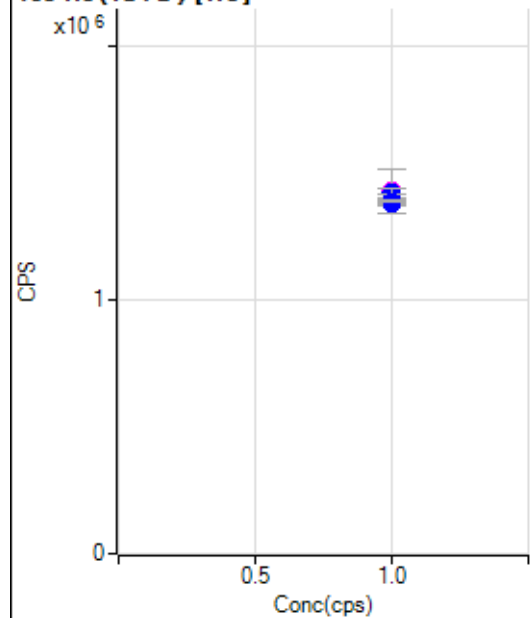
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2766536.94 |       | A        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2804663.47 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2818679.89 |       | A        | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2858299.26 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2839653.05 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2837241.45 |       | A        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2801012.80 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2725460.86 |       | A        | 2.4 |

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

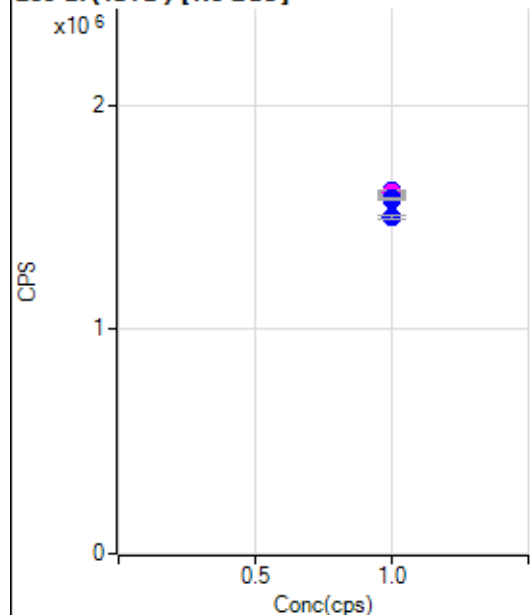
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 1403276.14 |       | P        | 0.6  |
| 2 | <input type="checkbox"/> | 1.000 |            | 1429087.69 |       | P        | 1.0  |
| 3 | <input type="checkbox"/> | 1.000 |            | 1445260.75 |       | M        | 13.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1410792.20 |       | P        | 1.2  |
| 5 | <input type="checkbox"/> | 1.000 |            | 1406584.49 |       | P        | 0.5  |
| 6 | <input type="checkbox"/> | 1.000 |            | 1442992.56 |       | M        | 2.3  |
| 7 | <input type="checkbox"/> | 1.000 |            | 1385124.27 |       | P        | 0.9  |
| 8 | <input type="checkbox"/> | 1.000 |            | 1396965.14 |       | P        | 0.7  |

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

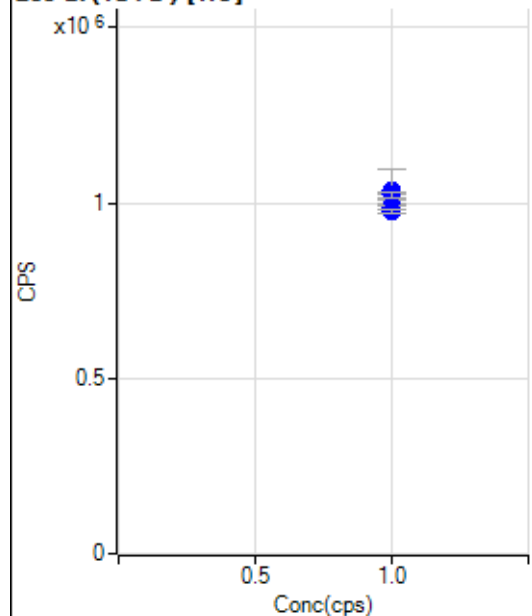
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2616426.10 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2635864.49 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2671346.70 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2662242.53 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2647494.96 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2693600.78 |       | A        | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2671473.37 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2594280.55 |       | A        | 1.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 1380401.26 |       | P        | 0.8  |
| 2 | <input type="checkbox"/> | 1.000 |            | 1406149.04 |       | P        | 1.2  |
| 3 | <input type="checkbox"/> | 1.000 |            | 1430397.30 |       | M        | 12.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1403282.22 |       | P        | 0.1  |
| 5 | <input type="checkbox"/> | 1.000 |            | 1388740.12 |       | P        | 0.1  |
| 6 | <input type="checkbox"/> | 1.000 |            | 1428923.38 |       | P        | 1.8  |
| 7 | <input type="checkbox"/> | 1.000 |            | 1376883.42 |       | P        | 0.5  |
| 8 | <input type="checkbox"/> | 1.000 |            | 1391109.42 |       | P        | 0.1  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1580963.90 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1598791.09 |       | P        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1614004.04 |       | P        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1617198.64 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1607819.60 |       | P        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1608511.35 |       | M        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1584280.55 |       | P        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1502087.70 |       | P        | 1.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 996613.17  |       | P        | 0.7  |
| 2 | <input type="checkbox"/> | 1.000 |            | 1015932.14 |       | P        | 1.9  |
| 3 | <input type="checkbox"/> | 1.000 |            | 1034476.77 |       | P        | 12.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1013444.82 |       | P        | 0.7  |
| 5 | <input type="checkbox"/> | 1.000 |            | 1011264.44 |       | P        | 0.5  |
| 6 | <input type="checkbox"/> | 1.000 |            | 1023447.25 |       | P        | 1.3  |
| 7 | <input type="checkbox"/> | 1.000 |            | 988107.07  |       | P        | 1.1  |
| 8 | <input type="checkbox"/> | 1.000 |            | 974746.19  |       | P        | 0.9  |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8052621MS.b  
Acq. Date-Time 2021-05-26 11:50:09  
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    |              | 3337  | 33368.37  |                            |             | 0.467  | 5.000           |
| 24   |              | 13430 | 134300.03 |                            |             | 0.642  | 5.000           |
| 25   |              | 1834  | 18341.87  |                            |             | 0.856  | 5.000           |
| 26   |              | 2273  | 22731.42  |                            |             | 0.802  | 5.000           |
| 59   |              | 3928  | 39280.17  |                            |             | 0.836  | 5.000           |
| 113  |              | 1958  | 19580.92  |                            |             | 0.913  | 5.000           |
| 115  |              | 5755  | 57551.67  |                            |             | 0.445  | 5.000           |
| 206  |              | 2375  | 23747.00  |                            |             | 0.985  | 5.000           |
| 207  |              | 2002  | 20019.83  |                            |             | 1.240  | 5.000           |
| 208  |              | 4895  | 48946.25  |                            |             | 1.063  | 5.000           |
| 220  |              | 1     | 10.30     |                            |             | 14.400 |                 |

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

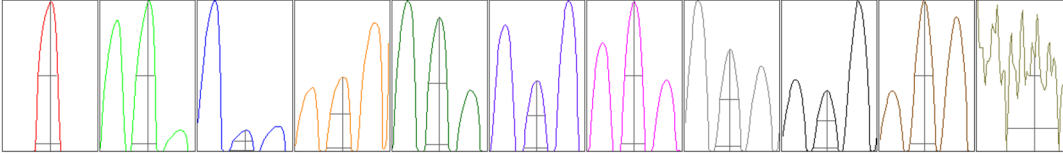
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 3317        | 3350        | 3350        | 3343        | 3323        |
| 24   | 13317       | 13379       | 13445       | 13544       | 13465       |
| 25   | 1811        | 1825        | 1842        | 1844        | 1849        |
| 26   | 2245        | 2276        | 2285        | 2292        | 2266        |
| 59   | 3882        | 3928        | 3944        | 3915        | 3971        |
| 113  | 1945        | 1936        | 1967        | 1981        | 1962        |
| 115  | 5761        | 5741        | 5773        | 5782        | 5719        |
| 206  | 2352        | 2358        | 2382        | 2411        | 2370        |
| 207  | 1982        | 1982        | 2026        | 2032        | 1988        |
| 208  | 4860        | 4913        | 4839        | 4973        | 4888        |

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 5824.10     | 9.05   | 8.90 - 9.10     |             |
| 24   | 23906.25    | 24.05  | 23.90 - 24.10   |             |
| 25   | 3272.33     | 25.05  | 24.90 - 25.10   |             |
| 26   | 3814.64     | 26.05  | 25.90 - 26.10   |             |
| 59   | 7150.55     | 59.00  | 58.90 - 59.10   |             |
| 113  | 3667.04     | 113.00 | 112.90 - 113.10 |             |
| 115  | 10913.94    | 115.00 | 114.90 - 115.10 |             |
| 206  | 4302.07     | 205.95 | 205.90 - 206.10 |             |
| 207  | 3614.59     | 206.95 | 206.90 - 207.10 |             |
| 208  | 8933.37     | 207.95 | 207.90 - 208.10 |             |
| 220  | 1.00        | 220.35 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.61  | 0.781 | 0.900           |             |
| 24   | 0.58  | 0.782 | 0.900           |             |
| 25   | 0.60  | 0.764 | 0.900           |             |
| 26   | 0.62  | 0.785 | 0.900           |             |
| 59   | 0.58  | 0.739 | 0.900           |             |
| 113  | 0.56  | 0.748 | 0.900           |             |
| 115  | 0.55  | 0.763 | 0.900           |             |
| 206  | 0.58  | 0.812 | 0.900           |             |
| 207  | 0.58  | 0.797 | 0.900           |             |
| 208  | 0.58  | 0.820 | 0.900           |             |
| 220  | 0.34  | 1.602 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode HMI Nebulizer Gas 0.47 L/min Dilution Gas 0.42 L/min

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

## Lens Parameters

|            |          |               |       |            |        |
|------------|----------|---------------|-------|------------|--------|
| Extract 1  | -6.0 V   | Omega Lens    | 9.7 V | Deflect    | 16.6 V |
| Extract 2  | -210.0 V | Cell Entrance | -30 V | Plate Bias | -50 V  |
| Omega Bias | -95 V    | Cell Exit     | -50 V |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 4.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 180 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 122 | Axis Gain   | 0.9989 | QP Bias | -4.0 V |
| Mass Offset | 125 | Axis Offset | 0.02   |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 1.0 mm | Torch V | -0.7 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.9 mV | Analog HV | 2209 V | Pulse HV | 1491 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS      | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 894   | 8943.23  |                            |             | 0.965 |                 |
| 89   |              | 2656  | 26564.28 |                            |             | 0.598 |                 |
| 205  |              | 2126  | 21260.80 |                            |             | 0.943 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 887         | 885         | 899         | 895         | 905         |
| 89   | 2676        | 2641        | 2641        | 2655        | 2668        |
| 205  | 2097        | 2140        | 2114        | 2144        | 2136        |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |         |                |            |               |            |
|--------------|---------|----------------|------------|---------------|------------|
| Plasma Mode  | HMI     | Nebulizer Gas  | 0.47 L/min | Dilution Gas  | 0.42 L/min |
| RF Power     | 1600 W  | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.40 V  | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 10.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |        |            |       |         |       |
|-----------|--------|------------|-------|---------|-------|
| Extract 1 | -6.0 V | Omega Lens | 9.7 V | Deflect | 5.2 V |
|-----------|--------|------------|-------|---------|-------|

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|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -210.0 V   | Cell Entrance | -50 V   | Plate Bias            | -60 V   |
| Omega Bias               | -95 V      | Cell Exit     | -70 V   |                       |         |
| <b>Cell Parameters</b>   |            |               |         |                       |         |
| Use Gas                  | Yes        | 3rd Gas Flow  | ---     | Energy Discrimination | 5.0 V   |
| He Flow                  | 4.5 mL/min | OctP Bias     | -18.0 V |                       |         |
| H2 Flow                  | ---        | OctP RF       | 200 V   |                       |         |
| <b>QP Parameters</b>     |            |               |         |                       |         |
| Mass Gain                | 122        | Axis Gain     | 0.9989  | QP Bias               | -13.0 V |
| Mass Offset              | 125        | Axis Offset   | 0.02    |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | 1.0 mm     | Torch V       | -0.7 mm |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 3.9 mV     | Analog HV     | 2209 V  | Pulse HV              | 1491 V  |