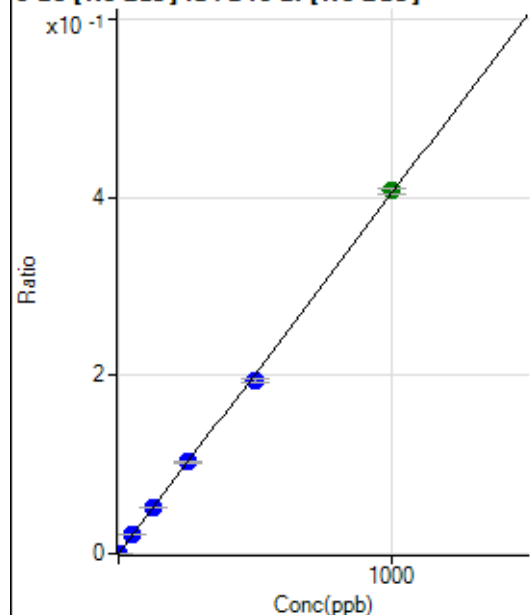


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8031222-MS.b\  
Analysis File: P8031222-MS.batch.bin  
DA Date-Time: 2022-03-15 01:24:34  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2022-03-12 11:29:48 |
| 2     | 005CALS.d          | S01         | 2022-03-12 11:32:53 |
| 3     | 006CALS.d          | S02         | 2022-03-12 11:35:59 |
| 4     | 008CALS.d          | S03         | 2022-03-12 11:42:08 |
| 5     | 009CALS.d          | S04         | 2022-03-12 11:45:11 |
| 6     | 010CALS.d          | S05         | 2022-03-12 11:48:17 |
| 7     | 011CALS.d          | S06         | 2022-03-12 11:51:20 |
| 8     | 012CALS.d          | S07         | 2022-03-12 11:54:26 |
| 9     | 013CALS.d          | S08         | 2022-03-12 11:57:29 |

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 18.00      | 0.0000 | P    | 20.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.098      | 145.97     | 0.0000 | P    | 16.2 |
| 3 | <input type="checkbox"/> | 1.000    | 0.992      | 1287.14    | 0.0004 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 50.000   | 51.281     | 64624.94   | 0.0207 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 128.271    | 164948.61  | 0.0519 | P    | 3.1  |
| 6 | <input type="checkbox"/> | 250.000  | 254.107    | 336890.43  | 0.1028 | P    | 2.3  |
| 7 | <input type="checkbox"/> | 500.000  | 481.124    | 661357.02  | 0.1946 | P    | 2.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 1007.938   | 1283870.57 | 0.4077 | A    | 1.6  |
| 9 | <input type="checkbox"/> |          |            | 397.26     | 0.0001 | P    | 18.9 |

$$y = 4.0444\text{E-}004 * x + 5.7203\text{E-}006$$

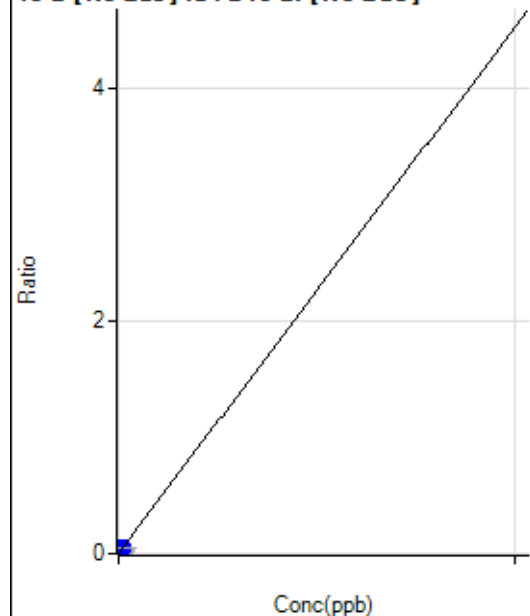
$$R = 0.9997$$

$$DL = 0.008681$$

$$BEC = 0.01414$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5980.72   | 0.0019 | P    | 2.6 |
| 2 | <input type="checkbox"/> | 2.500    | 0.364      | 6194.10   | 0.0019 | P    | 2.6 |
| 3 | <input type="checkbox"/> | 25.000   | 14.735     | 8121.32   | 0.0026 | P    | 6.4 |
| 4 | <input type="checkbox"/> | 50.000   | 564.667    | 85500.67  | 0.0275 | P    | 6.5 |
| 5 | <input type="checkbox"/> | 125.000  | 328.137    | 53250.17  | 0.0168 | P    | 4.4 |
| 6 | <input type="checkbox"/> | 250.000  | 340.533    | 56742.65  | 0.0173 | P    | 4.6 |
| 7 | <input type="checkbox"/> | 500.000  | 497.804    | 83005.58  | 0.0244 | P    | 5.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 927.601    | 138199.12 | 0.0439 | P    | 4.9 |
| 9 | <input type="checkbox"/> |          |            | 31894.91  | 0.0099 | P    | 5.2 |

$$y = 4.5249\text{E-}005 * x + 0.0019$$

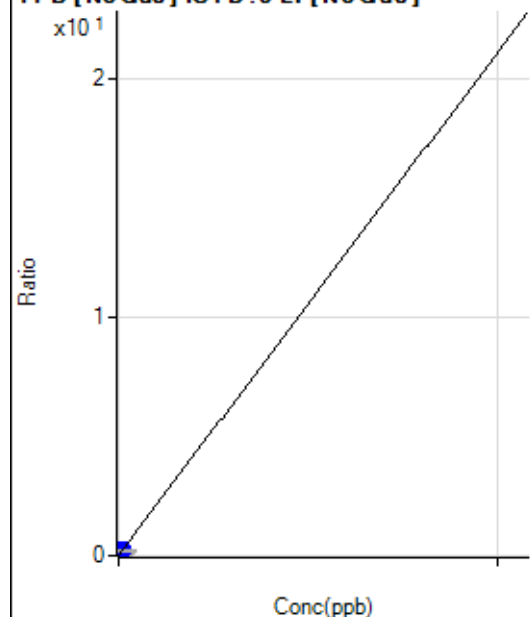
$$R = 0.8436$$

$$DL = 3.273$$

$$BEC = 42.11$$

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      | 26891.24  | 0.0086 | P    | 2.6 |
| 2 | <input type="checkbox"/> | 2.500    | 0.706      | 28092.57  | 0.0087 | P    | 2.2 |
| 3 | <input type="checkbox"/> | 25.000   | 16.063     | 37736.85  | 0.0120 | P    | 6.8 |
| 4 | <input type="checkbox"/> | 50.000   | 572.115    | 402068.79 | 0.1291 | P    | 8.1 |
| 5 | <input type="checkbox"/> | 125.000  | 329.017    | 247640.77 | 0.0779 | P    | 3.2 |
| 6 | <input type="checkbox"/> | 250.000  | 340.187    | 263005.57 | 0.0802 | P    | 2.9 |
| 7 | <input type="checkbox"/> | 500.000  | 498.032    | 385607.93 | 0.1135 | P    | 4.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 927.057    | 642133.07 | 0.2039 | P    | 4.7 |
| 9 | <input type="checkbox"/> |          |            | 146194.71 | 0.0453 | P    | 5.4 |

$$y = 2.1069\text{E-}004 * x + 0.0086$$

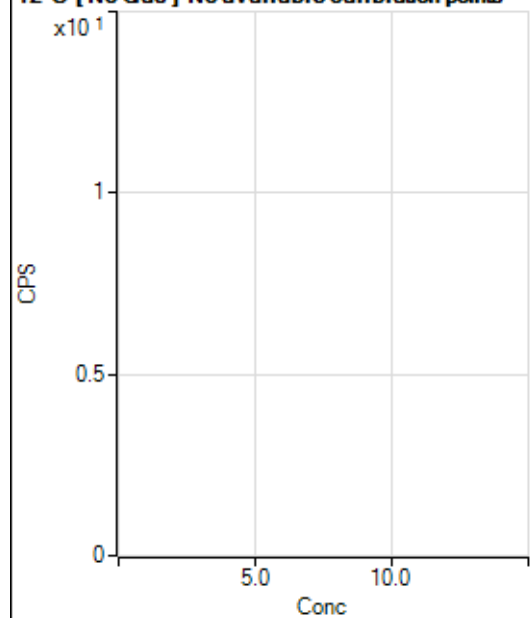
$$R = 0.8397$$

$$DL = 3.231$$

$$BEC = 40.67$$

Weight: &lt;None&gt;

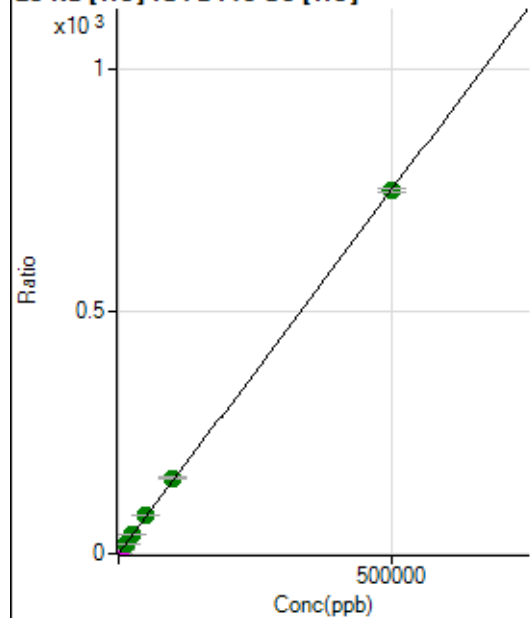
Min Conc: 0

**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"/> |       |            | 8599618.94 |       | A    | 0.3 |
| 2 | <input type="checkbox"/> |       |            | 8531760.09 |       | A    | 2.6 |
| 3 | <input type="checkbox"/> |       |            | 8408547.50 |       | A    | 0.3 |
| 4 | <input type="checkbox"/> |       |            | 8515632.57 |       | A    | 1.5 |
| 5 | <input type="checkbox"/> |       |            | 8647337.43 |       | A    | 1.0 |
| 6 | <input type="checkbox"/> |       |            | 8812357.31 |       | A    | 2.1 |
| 7 | <input type="checkbox"/> |       |            | 9011365.22 |       | A    | 1.0 |
| 8 | <input type="checkbox"/> |       |            | 9270130.41 |       | A    | 2.9 |
| 9 | <input type="checkbox"/> |       |            | 8991026.94 |       | A    | 0.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 74948.16 |       | P        | 2.5 |
| 2 | <input type="checkbox"/> |       |            | 71106.33 |       | P        | 0.5 |
| 3 | <input type="checkbox"/> |       |            | 69632.11 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> |       |            | 73853.01 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> |       |            | 74846.97 |       | P        | 1.3 |
| 6 | <input type="checkbox"/> |       |            | 77971.39 |       | P        | 1.7 |
| 7 | <input type="checkbox"/> |       |            | 77803.98 |       | P        | 1.4 |
| 8 | <input type="checkbox"/> |       |            | 83873.40 |       | P        | 0.9 |
| 9 | <input type="checkbox"/> |       |            | 82833.91 |       | P        | 1.4 |

**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      | 9119.73     | 0.0745   | P        | 2.8 |
| 2 | <input type="checkbox"/> | 50.000    | 49.646     | 18267.43    | 0.1489   | P        | 3.3 |
| 3 | <input type="checkbox"/> | 500.000   | 487.350    | 99198.06    | 0.8048   | P        | 1.6 |
| 4 | <input type="checkbox"/> | 5000.000  | 5478.794   | 981420.62   | 8.2852   | M        | 1.3 |
| 5 | <input type="checkbox"/> | 12500.000 | 13462.003  | 2474241.36  | 20.2492  | A        | 0.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 27255.054  | 4960718.82  | 40.9200  | A        | 1.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 52833.187  | 9642389.10  | 79.2525  | A        | 2.1 |
| 8 | <input type="checkbox"/> | 100000.00 | 103612.78  | 19074006.50 | 155.3529 | A        | 2.4 |
| 9 | <input type="checkbox"/> | 500000.00 | 498852.54  | 99184296.66 | 747.6759 | A        | 0.9 |

$$y = 0.0015 * x + 0.0745$$

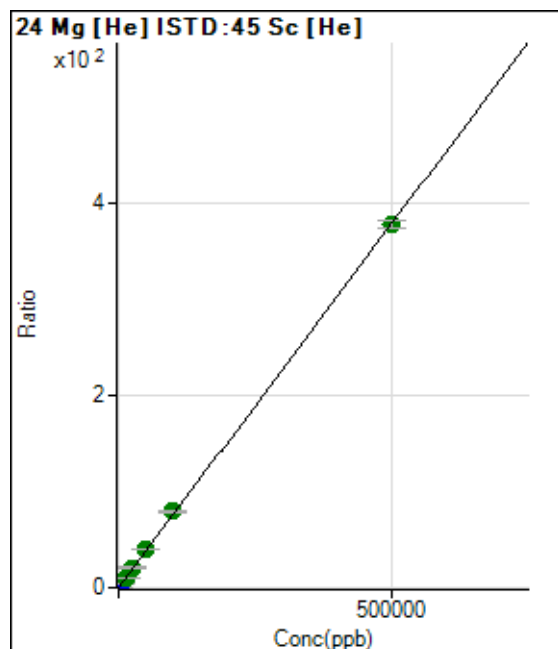
$$R = 1.0000$$

$$DL = 4.176$$

$$BEC = 49.68$$

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      | 230.56      | 0.0019   | P    | 25.3 |
| 2 | <input type="checkbox"/> | 50.000    | 49.565     | 4828.72     | 0.0394   | P    | 3.6  |
| 3 | <input type="checkbox"/> | 500.000   | 508.242    | 47595.58    | 0.3861   | P    | 2.0  |
| 4 | <input type="checkbox"/> | 5000.000  | 5439.274   | 487344.54   | 4.1141   | P    | 1.5  |
| 5 | <input type="checkbox"/> | 12500.000 | 13734.606  | 1268950.53  | 10.3856  | A    | 2.2  |
| 6 | <input type="checkbox"/> | 25000.000 | 27632.459  | 2532899.79  | 20.8927  | A    | 1.3  |
| 7 | <input type="checkbox"/> | 50000.000 | 53158.911  | 4889930.36  | 40.1913  | A    | 2.4  |
| 8 | <input type="checkbox"/> | 100000.00 | 104460.63  | 9694202.21  | 78.9766  | A    | 4.0  |
| 9 | <input type="checkbox"/> | 500000.00 | 498625.09  | 50009482.37 | 376.9741 | A    | 2.1  |

$$y = 7.5602E-004 * x + 0.0019$$

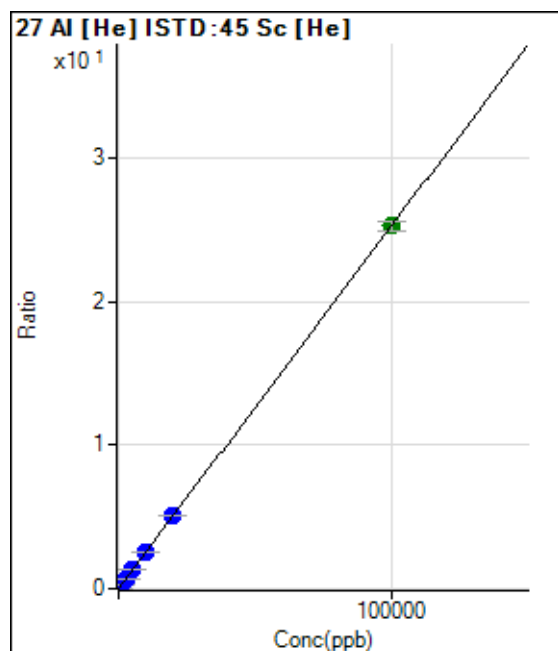
$$R = 0.9999$$

$$DL = 1.884$$

$$BEC = 2.488$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 86.24      | 0.0007  | P    | 25.0 |
| 2 | <input type="checkbox"/> | 2.000     | 1.821      | 142.90     | 0.0012  | P    | 2.4  |
| 3 | <input type="checkbox"/> | 20.000    | 19.510     | 694.51     | 0.0056  | P    | 2.6  |
| 4 | <input type="checkbox"/> | 1000.000  | 1036.219   | 31100.04   | 0.2626  | P    | 1.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2562.534   | 79204.61   | 0.6483  | P    | 0.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 5183.900   | 158903.58  | 1.3108  | P    | 1.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 10046.133  | 308988.23  | 2.5395  | P    | 1.3  |
| 8 | <input type="checkbox"/> | 20000.000 | 19974.969  | 619926.90  | 5.0487  | P    | 0.5  |
| 9 | <input type="checkbox"/> | 100000.00 | 99989.272  | 3352532.29 | 25.2696 | A    | 2.7  |

$$y = 2.5272E-004 * x + 7.0388E-004$$

$$R = 1.0000$$

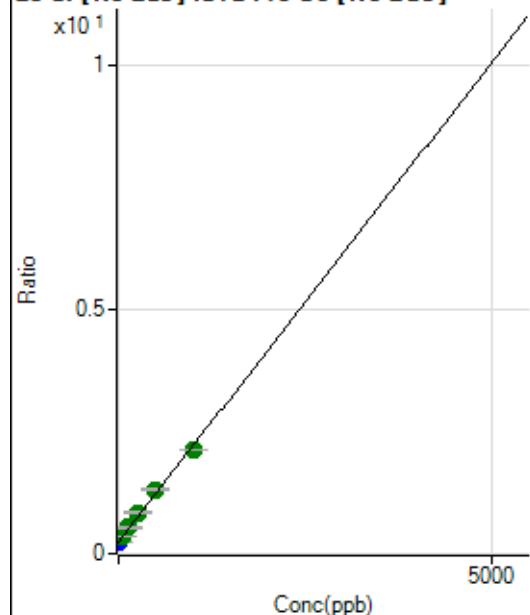
$$DL = 2.09$$

$$BEC = 2.785$$

Weight: <None>

Min Conc: 0

28 Si [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      | 873961.33  | 0.2442 | M    | 0.7 |
| 2 | <input type="checkbox"/> | 1.000    | -6.030     | 851162.39  | 0.2323 | P    | 1.6 |
| 3 | <input type="checkbox"/> | 10.000   | -1.524     | 878473.80  | 0.2412 | P    | 2.4 |
| 4 | <input type="checkbox"/> | 50.000   | 49.095     | 1249900.33 | 0.3406 | A    | 2.1 |
| 5 | <input type="checkbox"/> | 125.000  | 148.005    | 1952960.00 | 0.5349 | A    | 3.0 |
| 6 | <input type="checkbox"/> | 250.000  | 298.601    | 3113037.78 | 0.8307 | A    | 5.3 |
| 7 | <input type="checkbox"/> | 500.000  | 545.785    | 4928959.83 | 1.3162 | A    | 3.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 962.249    | 7846361.72 | 2.1342 | A    | 0.8 |
| 9 | <input type="checkbox"/> |          |            | 1731929.75 | 0.4432 | A    | 2.2 |

$$y = 0.0020 * x + 0.2442$$

$$R = 0.9965$$

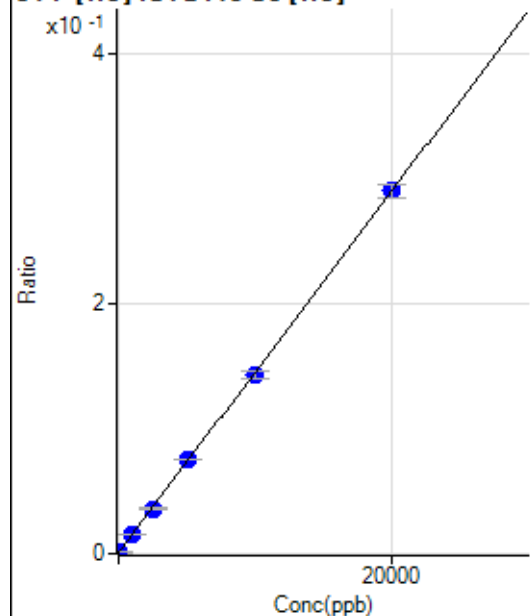
$$DL = 2.483$$

$$BEC = 124.3$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | -21.888    | 52.78    | 0.0004 | P    | 55.0 |
| 2 | <input type="checkbox"/> | 0.000     | 1.565      | 94.45    | 0.0008 | P    | 25.2 |
| 3 | <input type="checkbox"/> | 0.000     | 20.323     | 127.78   | 0.0010 | P    | 33.8 |
| 4 | <input type="checkbox"/> | 1000.000  | 1001.194   | 1800.16  | 0.0152 | P    | 6.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2439.309   | 4395.21  | 0.0360 | P    | 1.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 5163.835   | 9130.92  | 0.0753 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 9871.000   | 17433.09 | 0.1433 | P    | 4.6  |
| 8 | <input type="checkbox"/> | 20000.000 | 20031.068  | 35597.46 | 0.2900 | P    | 3.8  |
| 9 | <input type="checkbox"/> |           |            | 100.00   | 0.0008 | P    | 49.7 |

$$y = 1.4441E-005 * x + 7.4651E-004$$

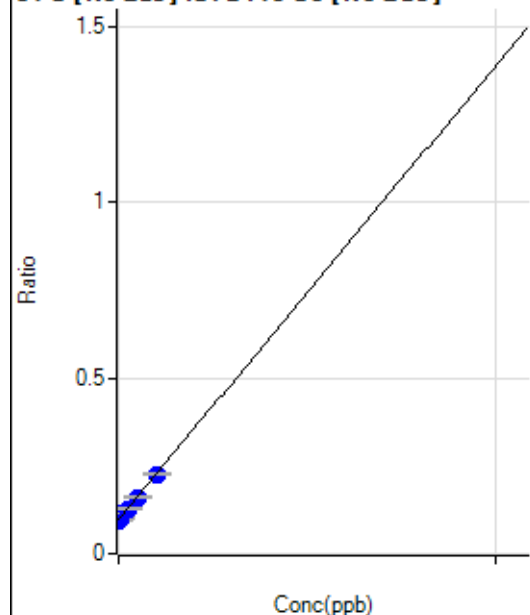
$$R = 0.9999$$

$$DL = 54.15$$

$$BEC = 51.69$$

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     | 384.049    | 356368.21 | 0.0996 | P        | 0.3 |
| 2 | <input type="checkbox"/> | 0.000     | -266.612   | 349375.25 | 0.0954 | P        | 3.0 |
| 3 | <input type="checkbox"/> | 0.000     | -117.437   | 350938.30 | 0.0963 | P        | 0.9 |
| 4 | <input type="checkbox"/> | 1000.000  | 628.635    | 371161.46 | 0.1011 | P        | 0.9 |
| 5 | <input type="checkbox"/> | 2500.000  | 2735.490   | 418678.30 | 0.1147 | P        | 4.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 4698.596   | 477473.95 | 0.1274 | P        | 2.6 |
| 7 | <input type="checkbox"/> | 10000.000 | 9831.629   | 600903.26 | 0.1604 | P        | 2.5 |
| 8 | <input type="checkbox"/> | 20000.000 | 20148.669  | 834078.37 | 0.2269 | P        | 1.2 |
| 9 | <input type="checkbox"/> |           |            | 302181.51 | 0.0773 | P        | 3.2 |

$$y = 6.4427\text{E-}006 * x + 0.0971$$

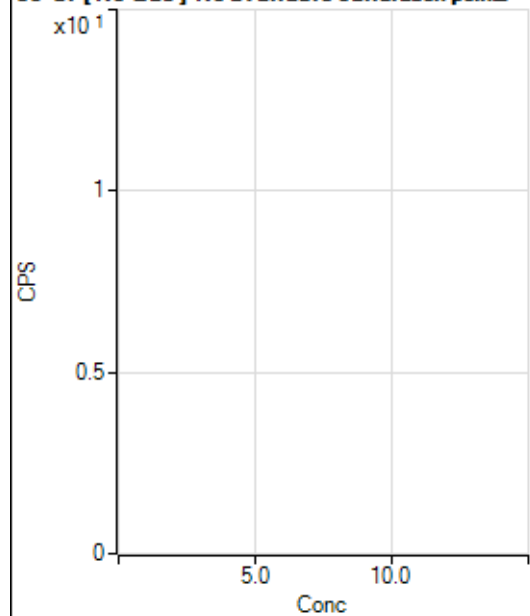
$$R = 0.9993$$

$$DL = 622.6$$

$$BEC = 1.507\text{E}+04$$

Weight: &lt;None&gt;

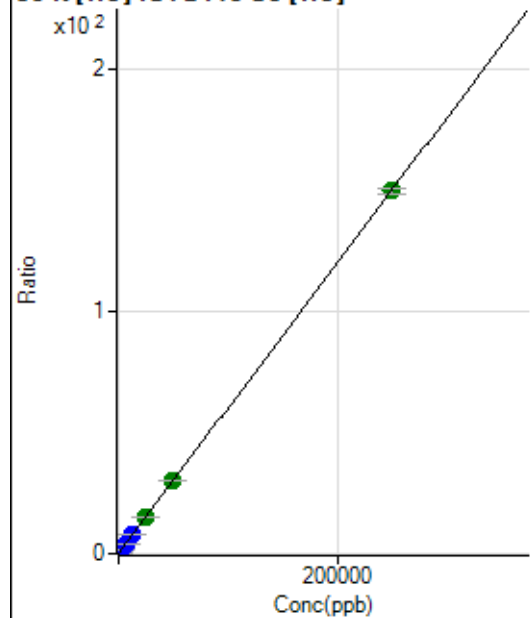
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 718696.03 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> |       |            | 667578.19 |       | P        | 1.3 |
| 3 | <input type="checkbox"/> |       |            | 596071.26 |       | P        | 1.4 |
| 4 | <input type="checkbox"/> |       |            | 532769.07 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> |       |            | 513705.99 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> |       |            | 474437.37 |       | P        | 1.6 |
| 7 | <input type="checkbox"/> |       |            | 444778.29 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> |       |            | 416238.11 |       | P        | 1.2 |
| 9 | <input type="checkbox"/> |       |            | 410771.99 |       | P        | 1.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4598.06 |       | P        | 6.3  |
| 2 | <input type="checkbox"/> |       |            | 4384.12 |       | P        | 9.1  |
| 3 | <input type="checkbox"/> |       |            | 3764.49 |       | P        | 4.8  |
| 4 | <input type="checkbox"/> |       |            | 3481.08 |       | P        | 4.5  |
| 5 | <input type="checkbox"/> |       |            | 3175.43 |       | P        | 5.3  |
| 6 | <input type="checkbox"/> |       |            | 2811.47 |       | P        | 5.1  |
| 7 | <input type="checkbox"/> |       |            | 2614.21 |       | P        | 4.1  |
| 8 | <input type="checkbox"/> |       |            | 2494.73 |       | P        | 2.3  |
| 9 | <input type="checkbox"/> |       |            | 2589.20 |       | P        | 10.8 |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 15027.64    | 0.1227   | P        | 1.1 |
| 2 | <input type="checkbox"/> | 50.000    | 40.186     | 18011.71    | 0.1468   | P        | 1.9 |
| 3 | <input type="checkbox"/> | 500.000   | 476.005    | 50279.85    | 0.4080   | P        | 2.1 |
| 4 | <input type="checkbox"/> | 2500.000  | 2606.636   | 199563.11   | 1.6848   | P        | 1.6 |
| 5 | <input type="checkbox"/> | 6250.000  | 6306.621   | 476710.90   | 3.9022   | P        | 1.8 |
| 6 | <input type="checkbox"/> | 12500.000 | 12947.768  | 955607.14   | 7.8822   | P        | 1.2 |
| 7 | <input type="checkbox"/> | 25000.000 | 25165.113  | 1849870.51  | 15.2040  | A        | 1.6 |
| 8 | <input type="checkbox"/> | 50000.000 | 50242.600  | 3712601.69  | 30.2328  | A        | 0.4 |
| 9 | <input type="checkbox"/> | 250000.00 | 249910.14  | 19884800.79 | 149.8926 | A        | 1.7 |

$$y = 5.9929E-004 * x + 0.1227$$

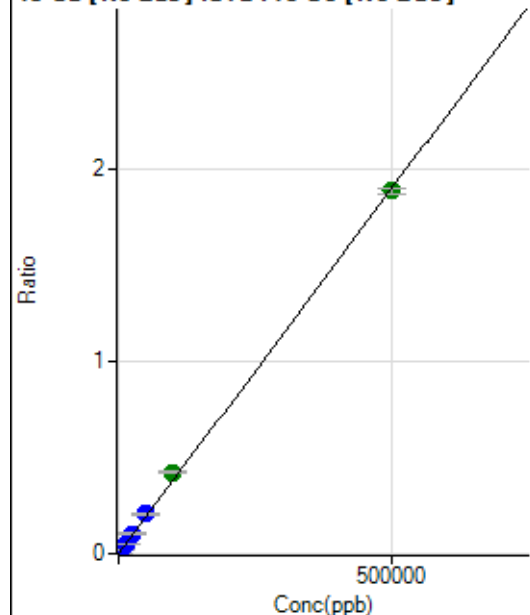
$$R = 1.0000$$

$$DL = 6.964$$

$$BEC = 204.7$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|-----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 222.06     | 0.0001 | P        | 4.4 |
| 2 | <input type="checkbox"/> | 50.000    | 48.033     | 896.17     | 0.0002 | P        | 3.1 |
| 3 | <input type="checkbox"/> | 500.000   | 494.313    | 7072.53    | 0.0019 | P        | 0.7 |
| 4 | <input type="checkbox"/> | 5000.000  | 5305.399   | 74249.50   | 0.0202 | P        | 0.6 |
| 5 | <input type="checkbox"/> | 12500.000 | 13465.781  | 187130.56  | 0.0513 | P        | 3.2 |
| 6 | <input type="checkbox"/> | 25000.000 | 27385.233  | 390503.51  | 0.1042 | P        | 3.2 |
| 7 | <input type="checkbox"/> | 50000.000 | 54068.161  | 770094.58  | 0.2056 | P        | 2.8 |
| 8 | <input type="checkbox"/> | 100000.00 | 111742.42  | 1561490.39 | 0.4249 | A        | 3.1 |
| 9 | <input type="checkbox"/> | 500000.00 | 497098.24  | 7386304.59 | 1.8898 | A        | 1.6 |

$$y = 3.8016E-006 * x + 6.2029E-005$$

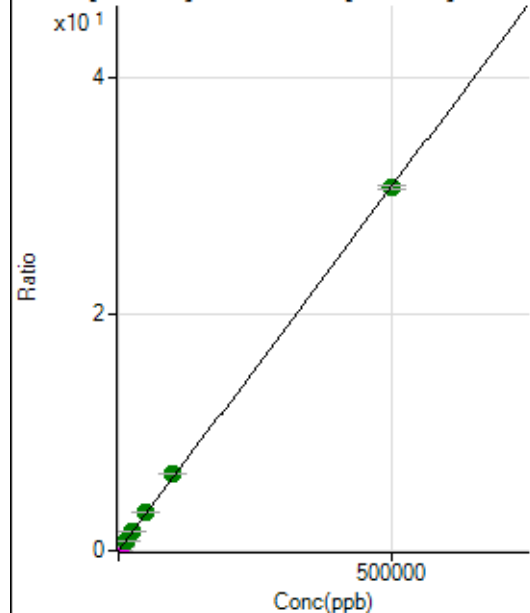
$$R = 0.9997$$

$$DL = 2.168$$

$$BEC = 16.32$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 21991.58    | 0.0061  | P        | 1.2 |
| 2 | <input type="checkbox"/> | 50.000    | 45.147     | 32704.23    | 0.0089  | P        | 2.4 |
| 3 | <input type="checkbox"/> | 500.000   | 487.477    | 131831.88   | 0.0362  | P        | 1.8 |
| 4 | <input type="checkbox"/> | 5000.000  | 5252.484   | 1210712.27  | 0.3299  | M        | 1.3 |
| 5 | <input type="checkbox"/> | 12500.000 | 13447.899  | 3048008.54  | 0.8350  | A        | 4.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 26773.990  | 6209469.97  | 1.6563  | A        | 3.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 52425.691  | 12132545.95 | 3.2374  | A        | 0.8 |
| 8 | <input type="checkbox"/> | 100000.00 | 106210.14  | 24088164.44 | 6.5523  | A        | 1.2 |
| 9 | <input type="checkbox"/> | 500000.00 | 498400.49  | 120102043.2 | 30.7248 | A        | 1.1 |

$$y = 6.1634E-005 * x + 0.0061$$

$$R = 0.9999$$

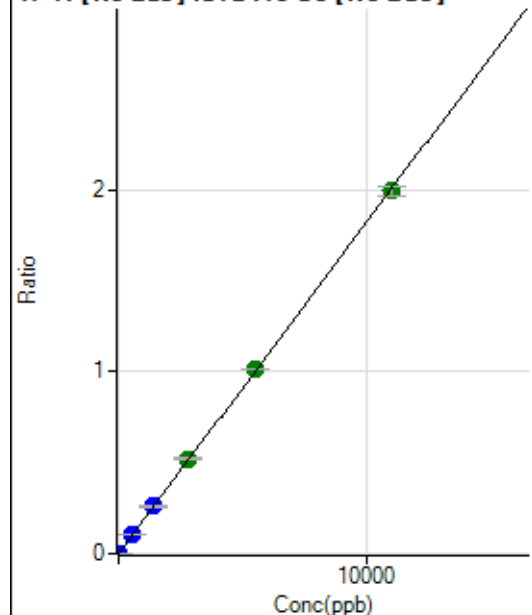
$$DL = 3.729$$

$$BEC = 99.68$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 377.80     | 0.0001 | P    | 10.3 |
| 2 | <input type="checkbox"/> | 0.500     | 0.273      | 569.47     | 0.0002 | P    | 5.6  |
| 3 | <input type="checkbox"/> | 5.000     | 4.814      | 3581.09    | 0.0010 | P    | 1.7  |
| 4 | <input type="checkbox"/> | 550.000   | 560.025    | 374844.39  | 0.1021 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 1375.000  | 1437.803   | 956626.03  | 0.2621 | P    | 4.0  |
| 6 | <input type="checkbox"/> | 2750.000  | 2856.279   | 1951868.90 | 0.5205 | A    | 1.6  |
| 7 | <input type="checkbox"/> | 5500.000  | 5553.806   | 3792361.46 | 1.0120 | A    | 0.3  |
| 8 | <input type="checkbox"/> | 11000.000 | 10938.176  | 7325972.39 | 1.9930 | A    | 2.6  |
| 9 | <input type="checkbox"/> |           |            | 2680.91    | 0.0007 | P    | 14.5 |

$$y = 1.8220\text{E-}004 * x + 1.0557\text{E-}004$$

$$R = 0.9999$$

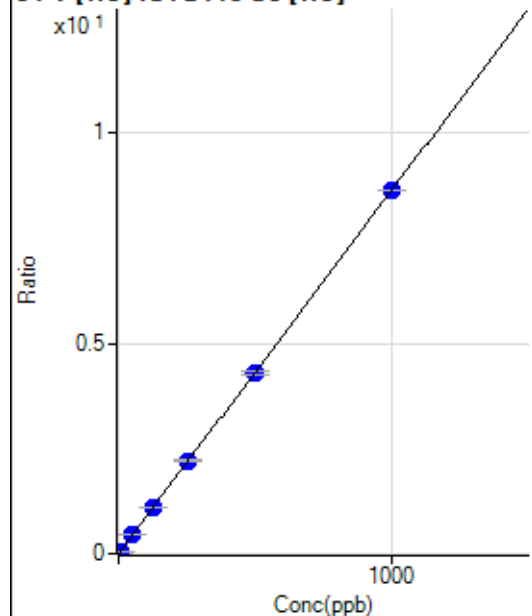
$$DL = 0.1793$$

$$BEC = 0.5794$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4.44       | 0.0000 | P    | 44.1 |
| 2 | <input type="checkbox"/> | 0.500    | 0.445      | 476.68     | 0.0039 | P    | 7.2  |
| 3 | <input type="checkbox"/> | 5.000    | 4.748      | 5058.72    | 0.0410 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 50.000   | 51.563     | 52744.65   | 0.4454 | P    | 2.9  |
| 5 | <input type="checkbox"/> | 125.000  | 126.911    | 133906.01  | 1.0961 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 250.000  | 254.901    | 266889.62  | 2.2015 | P    | 1.8  |
| 7 | <input type="checkbox"/> | 500.000  | 498.589    | 523896.75  | 4.3061 | P    | 2.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.165    | 1059632.86 | 8.6293 | P    | 0.1  |
| 9 | <input type="checkbox"/> |          |            | 241.12     | 0.0018 | P    | 13.8 |

$$y = 0.0086 * x + 3.6342\text{E-}005$$

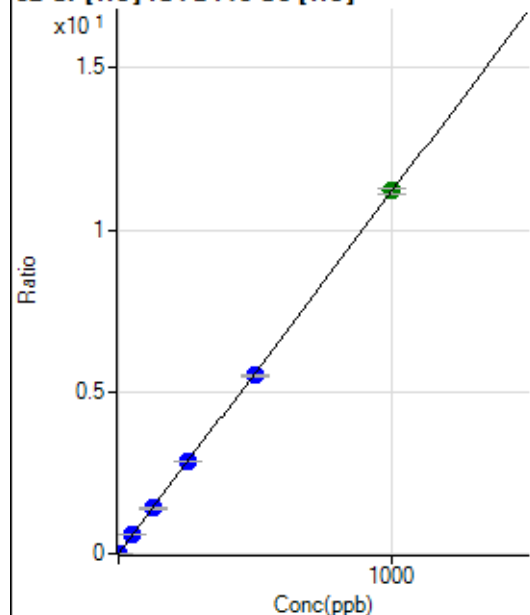
$$R = 1.0000$$

$$DL = 0.00557$$

$$BEC = 0.004208$$

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      | 762.25     | 0.0062  | P    | 11.1 |
| 2 | <input checked="" type="checkbox"/> | 0.200    |            |            |         |      |      |
| 3 | <input type="checkbox"/>            | 2.000    | 1.758      | 3185.94    | 0.0258  | P    | 4.3  |
| 4 | <input type="checkbox"/>            | 50.000   | 51.391     | 68701.92   | 0.5801  | P    | 3.1  |
| 5 | <input type="checkbox"/>            | 125.000  | 125.031    | 171314.62  | 1.4024  | P    | 2.3  |
| 6 | <input type="checkbox"/>            | 250.000  | 255.074    | 346059.06  | 2.8546  | P    | 1.7  |
| 7 | <input type="checkbox"/>            | 500.000  | 492.365    | 669769.68  | 5.5044  | P    | 1.0  |
| 8 | <input type="checkbox"/>            | 1000.000 | 1002.476   | 1375155.92 | 11.2008 | A    | 1.5  |
| 9 | <input type="checkbox"/>            |          |            | 5500.00    | 0.0415  | P    | 2.3  |

$$y = 0.0112 * x + 0.0062$$

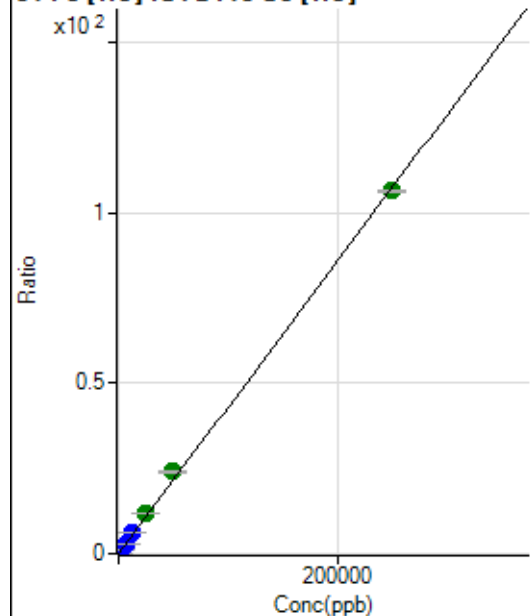
$$R = 0.9999$$

$$DL = 0.1852$$

$$BEC = 0.557$$

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      | 411.12      | 0.0034   | P    | 11.1 |
| 2 | <input type="checkbox"/> | 5.000     | 5.586      | 705.59      | 0.0058   | P    | 7.0  |
| 3 | <input type="checkbox"/> | 50.000    | 53.295     | 3230.06     | 0.0262   | P    | 1.3  |
| 4 | <input type="checkbox"/> | 2500.000  | 2847.238   | 144940.30   | 1.2237   | P    | 2.1  |
| 5 | <input type="checkbox"/> | 6250.000  | 6963.579   | 365103.23   | 2.9881   | P    | 1.0  |
| 6 | <input type="checkbox"/> | 12500.000 | 14315.087  | 744238.55   | 6.1391   | P    | 2.2  |
| 7 | <input type="checkbox"/> | 25000.000 | 27718.725  | 1446004.10  | 11.8842  | A    | 1.8  |
| 8 | <input type="checkbox"/> | 50000.000 | 56094.947  | 2952194.19  | 24.0468  | A    | 1.8  |
| 9 | <input type="checkbox"/> | 250000.00 | 248397.07  | 14124054.60 | 106.4713 | A    | 0.6  |

$$y = 4.2862E-004 * x + 0.0034$$

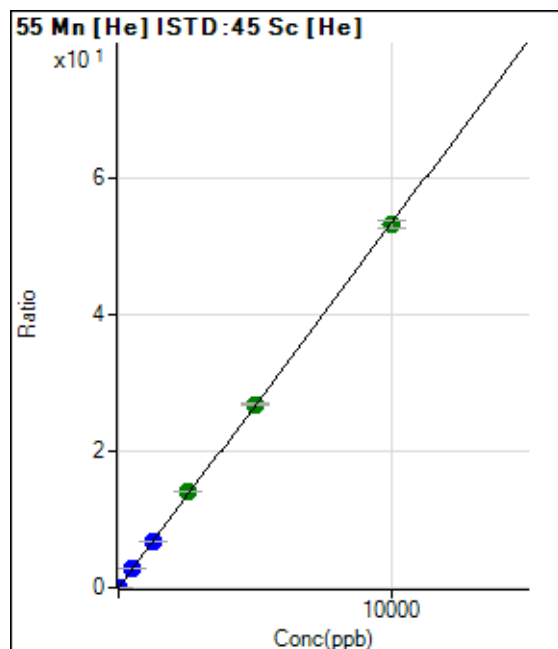
$$R = 0.9996$$

$$DL = 2.617$$

$$BEC = 7.833$$

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      | 31.11      | 0.0003  | P    | 12.9 |
| 2 | <input checked="" type="checkbox"/> | 0.100     |            |            |         |      |      |
| 3 | <input type="checkbox"/>            | 1.000     | 1.039      | 715.58     | 0.0058  | P    | 4.7  |
| 4 | <input type="checkbox"/>            | 500.000   | 506.721    | 320455.49  | 2.7054  | P    | 1.3  |
| 5 | <input type="checkbox"/>            | 1250.000  | 1249.889   | 815183.01  | 6.6728  | P    | 1.6  |
| 6 | <input type="checkbox"/>            | 2500.000  | 2629.673   | 1701918.93 | 14.0389 | A    | 1.4  |
| 7 | <input type="checkbox"/>            | 5000.000  | 5030.507   | 3267625.75 | 26.8558 | A    | 1.5  |
| 8 | <input type="checkbox"/>            | 10000.000 | 9952.006   | 6522238.58 | 53.1295 | A    | 2.2  |
| 9 | <input type="checkbox"/>            |           |            | 3959.49    | 0.0298  | P    | 2.8  |

$$y = 0.0053 * x + 2.5409E-004$$

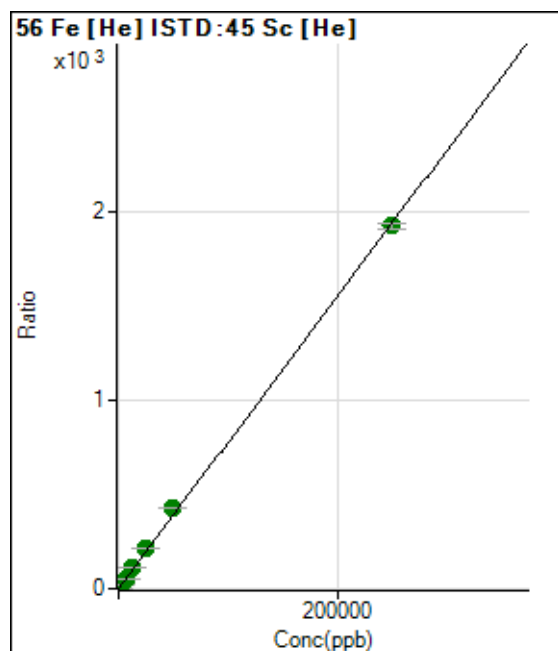
$$R = 0.9999$$

$$DL = 0.01836$$

$$BEC = 0.0476$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 2635.48     | 0.0215    | P    | 5.9 |
| 2 | <input type="checkbox"/> | 5.000     | 5.215      | 7603.98     | 0.0620    | P    | 1.0 |
| 3 | <input type="checkbox"/> | 50.000    | 52.832     | 53136.22    | 0.4312    | P    | 4.4 |
| 4 | <input type="checkbox"/> | 2500.000  | 2874.775   | 2643211.11  | 22.3147   | A    | 2.0 |
| 5 | <input type="checkbox"/> | 6250.000  | 7024.857   | 6657109.29  | 54.4976   | A    | 2.7 |
| 6 | <input type="checkbox"/> | 12500.000 | 14365.953  | 13508876.11 | 111.4259  | A    | 2.1 |
| 7 | <input type="checkbox"/> | 25000.000 | 27522.651  | 25971717.94 | 213.4529  | A    | 1.2 |
| 8 | <input type="checkbox"/> | 50000.000 | 55098.464  | 52463057.19 | 427.2965  | A    | 1.5 |
| 9 | <input type="checkbox"/> | 250000.00 | 248611.62  | 255768864.9 | 1,927.943 | A    | 1.3 |

$$y = 0.0078 * x + 0.0215$$

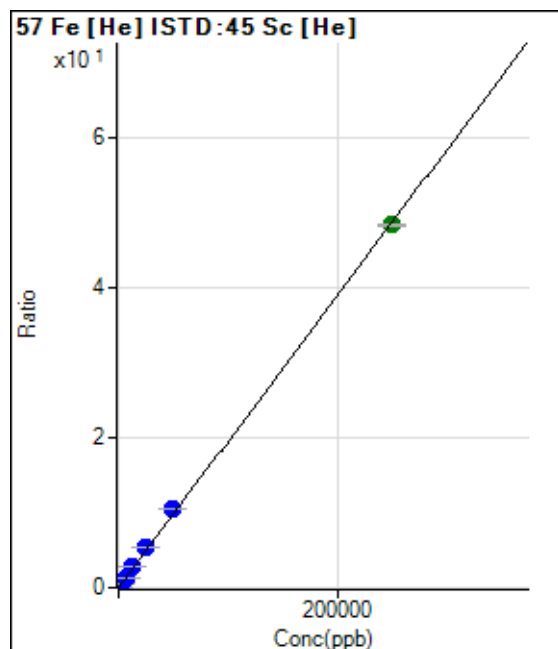
$$R = 0.9997$$

$$DL = 0.4901$$

$$BEC = 2.775$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 146.30     | 0.0012  | P        | 31.4 |
| 2 | <input type="checkbox"/> | 5.000     | 5.636      | 281.49     | 0.0023  | P        | 2.7  |
| 3 | <input type="checkbox"/> | 50.000    | 52.582     | 1409.35    | 0.0114  | P        | 13.6 |
| 4 | <input type="checkbox"/> | 2500.000  | 2799.601   | 64672.35   | 0.5460  | P        | 2.2  |
| 5 | <input type="checkbox"/> | 6250.000  | 6916.991   | 164598.52  | 1.3473  | P        | 1.5  |
| 6 | <input type="checkbox"/> | 12500.000 | 14155.558  | 334125.75  | 2.7560  | P        | 1.1  |
| 7 | <input type="checkbox"/> | 25000.000 | 27311.590  | 646842.32  | 5.3164  | P        | 1.6  |
| 8 | <input type="checkbox"/> | 50000.000 | 54268.927  | 1296856.70 | 10.5626 | P        | 1.5  |
| 9 | <input type="checkbox"/> | 250000.00 | 248812.60  | 6423673.47 | 48.4233 | A        | 0.4  |

$$y = 1.9461\text{E-}004 * x + 0.0012$$

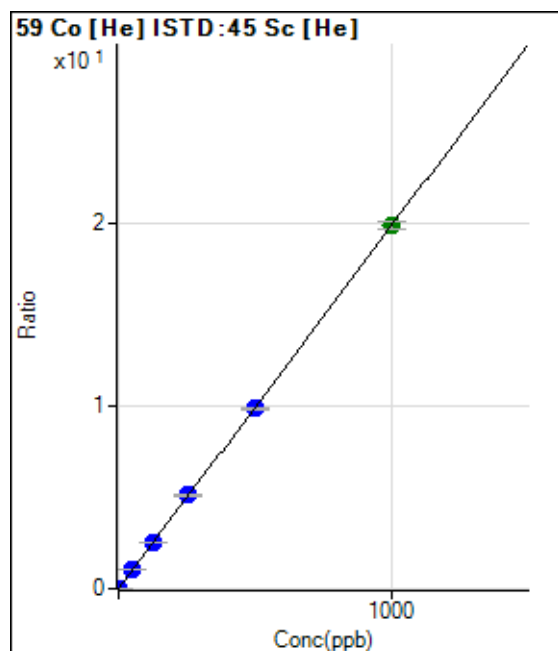
$$R = 0.9998$$

$$DL = 5.789$$

$$BEC = 6.145$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00      | 0.0004  | P        | 29.8 |
| 2 | <input type="checkbox"/> | 0.100    | 0.102      | 298.90     | 0.0024  | P        | 12.7 |
| 3 | <input type="checkbox"/> | 1.000    | 0.975      | 2440.24    | 0.0198  | P        | 1.2  |
| 4 | <input type="checkbox"/> | 50.000   | 51.166     | 120492.29  | 1.0173  | P        | 2.6  |
| 5 | <input type="checkbox"/> | 125.000  | 126.003    | 306010.35  | 2.5047  | P        | 1.1  |
| 6 | <input type="checkbox"/> | 250.000  | 259.294    | 624790.22  | 5.1539  | P        | 2.2  |
| 7 | <input type="checkbox"/> | 500.000  | 495.942    | 1199334.59 | 9.8573  | P        | 1.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.522    | 2438974.91 | 19.8661 | A        | 2.0  |
| 9 | <input type="checkbox"/> |          |            | 6169.18    | 0.0465  | P        | 2.7  |

$$y = 0.0199 * x + 4.0868\text{E-}004$$

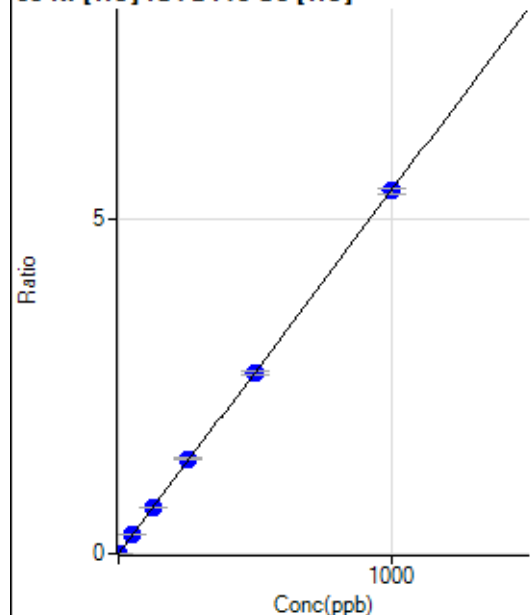
$$R = 0.9999$$

$$DL = 0.01835$$

$$BEC = 0.02056$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 28.89     | 0.0002 | P   | 37.0 |
| 2 | <input type="checkbox"/> | 0.100    | 0.073      | 77.78     | 0.0006 | P   | 22.0 |
| 3 | <input type="checkbox"/> | 1.000    | 0.990      | 692.25    | 0.0056 | P   | 5.3  |
| 4 | <input type="checkbox"/> | 50.000   | 51.790     | 33368.04  | 0.2817 | P   | 2.4  |
| 5 | <input type="checkbox"/> | 125.000  | 128.579    | 85407.39  | 0.6991 | P   | 1.2  |
| 6 | <input type="checkbox"/> | 250.000  | 261.293    | 172205.78 | 1.4204 | P   | 1.6  |
| 7 | <input type="checkbox"/> | 500.000  | 496.367    | 328271.40 | 2.6981 | P   | 1.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.456    | 666336.19 | 5.4271 | P   | 1.4  |
| 9 | <input type="checkbox"/> |          |            | 2485.80   | 0.0187 | P   | 5.6  |

$$y = 0.0054 * x + 2.3585E-004$$

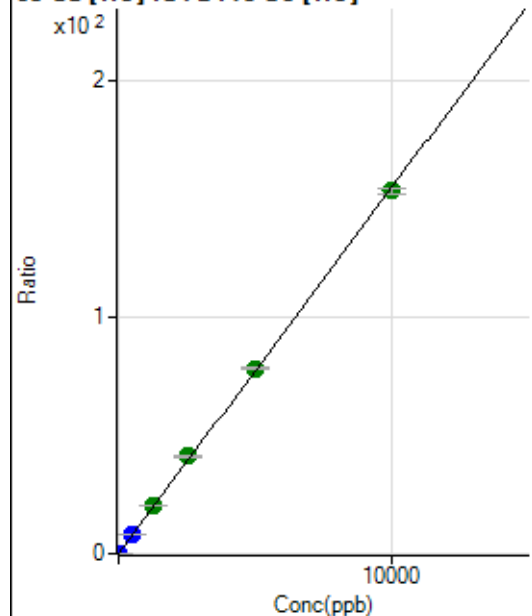
$$R = 0.9999$$

$$DL = 0.0482$$

$$BEC = 0.04339$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 657.80      | 0.0054   | P   | 11.2 |
| 2 | <input type="checkbox"/> | 0.200     | 0.213      | 1063.39     | 0.0087   | P   | 5.1  |
| 3 | <input type="checkbox"/> | 2.000     | 2.040      | 4548.55     | 0.0369   | P   | 4.4  |
| 4 | <input type="checkbox"/> | 500.000   | 533.384    | 977205.59   | 8.2502   | P   | 2.0  |
| 5 | <input type="checkbox"/> | 1250.000  | 1309.712   | 2473881.79  | 20.2503  | A   | 2.0  |
| 6 | <input type="checkbox"/> | 2500.000  | 2658.802   | 4982868.01  | 41.1038  | A   | 1.5  |
| 7 | <input type="checkbox"/> | 5000.000  | 5068.252   | 9532499.16  | 78.3480  | A   | 1.8  |
| 8 | <input type="checkbox"/> | 10000.000 | 9917.040   | 18822493.47 | 153.2982 | A   | 1.4  |
| 9 | <input type="checkbox"/> |           |            | 10053.72    | 0.0758   | P   | 2.9  |

$$y = 0.0155 * x + 0.0054$$

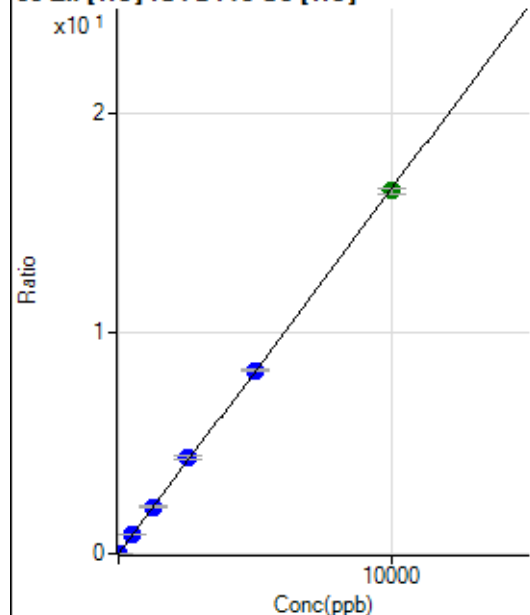
$$R = 0.9998$$

$$DL = 0.1167$$

$$BEC = 0.3473$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>66</sup>Zn [He] ISTD: <sup>45</sup>Sc [He]**

|   | R <sub>ct</sub>                     | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|-------------------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 76.67      | 0.0006  | P    | 9.4 |
| 2 | <input checked="" type="checkbox"/> | 0.200     |            |            |         |      |     |
| 3 | <input type="checkbox"/>            | 2.000     | 2.299      | 546.68     | 0.0044  | P    | 6.1 |
| 4 | <input type="checkbox"/>            | 500.000   | 522.280    | 102487.55  | 0.8652  | P    | 1.4 |
| 5 | <input type="checkbox"/>            | 1250.000  | 1285.868   | 260138.58  | 2.1293  | P    | 1.2 |
| 6 | <input type="checkbox"/>            | 2500.000  | 2638.048   | 529489.07  | 4.3678  | P    | 2.6 |
| 7 | <input type="checkbox"/>            | 5000.000  | 5027.869   | 1012891.54 | 8.3241  | P    | 0.9 |
| 8 | <input type="checkbox"/>            | 10000.000 | 9945.956   | 2021619.19 | 16.4658 | A    | 1.8 |
| 9 | <input type="checkbox"/>            |           |            | 2541.37    | 0.0192  | P    | 8.3 |

$$y = 0.0017 * x + 6.2614E-004$$

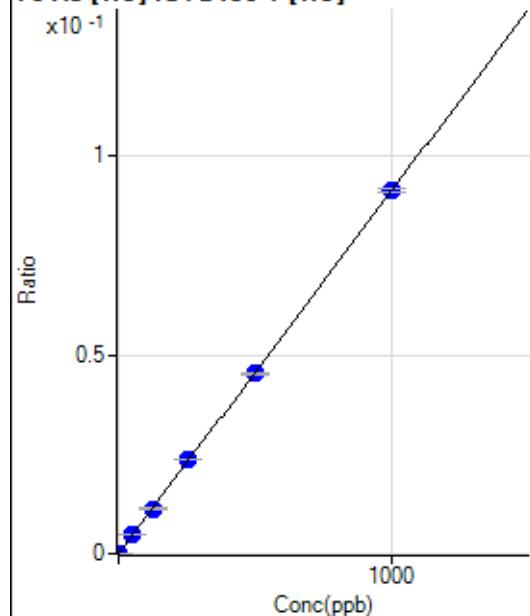
$$R = 0.9999$$

$$DL = 0.1064$$

$$BEC = 0.3782$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>75</sup>As [He] ISTD: <sup>89</sup>Y [He]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.33      | 0.0000 | P    | 53.4 |
| 2 | <input type="checkbox"/> | 0.100    | 0.093      | 19.67     | 0.0000 | P    | 29.5 |
| 3 | <input type="checkbox"/> | 1.000    | 0.942      | 122.68    | 0.0001 | P    | 5.2  |
| 4 | <input type="checkbox"/> | 50.000   | 51.217     | 6029.90   | 0.0047 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 125.000  | 123.905    | 15217.04  | 0.0113 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 250.000  | 257.421    | 31124.57  | 0.0235 | P    | 0.1  |
| 7 | <input type="checkbox"/> | 500.000  | 496.298    | 59980.16  | 0.0452 | P    | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.072   | 122124.53 | 0.0912 | P    | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 61.01     | 0.0000 | P    | 16.6 |

$$y = 9.1143E-005 * x + 6.2193E-006$$

$$R = 1.0000$$

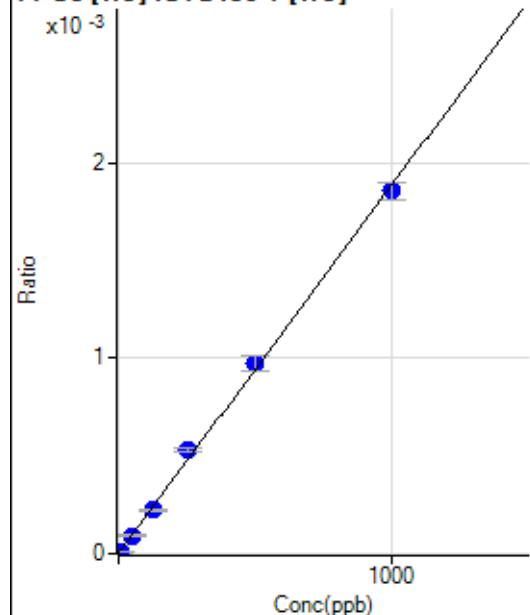
$$DL = 0.1093$$

$$BEC = 0.06824$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS     | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|---------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.22    | 0.0000 | P    | 86.6 |
| 2 | <input type="checkbox"/> | 0.500    | 0.890      | 4.44    | 0.0000 | P    | 44.3 |
| 3 | <input type="checkbox"/> | 5.000    | 3.105      | 10.00   | 0.0000 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 50.000   | 47.528     | 117.78  | 0.0001 | P    | 8.5  |
| 5 | <input type="checkbox"/> | 125.000  | 117.783    | 301.12  | 0.0002 | P    | 3.9  |
| 6 | <input type="checkbox"/> | 250.000  | 282.014    | 706.69  | 0.0005 | P    | 4.3  |
| 7 | <input type="checkbox"/> | 500.000  | 515.835    | 1291.18 | 0.0010 | P    | 8.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 985.114    | 2488.03 | 0.0019 | P    | 4.5  |
| 9 | <input type="checkbox"/> |          |            | 0.00    | 0.0000 | P    |      |

$$y = 1.8844\text{E-}006 * x + 1.6559\text{E-}006$$

$$R = 0.9991$$

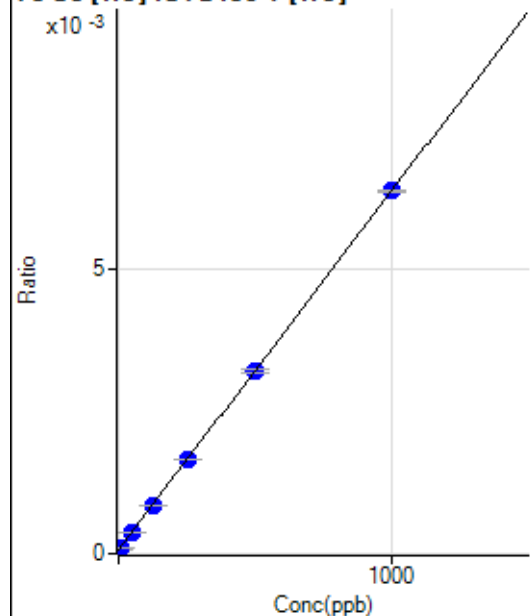
$$DL = 2.283$$

$$BEC = 0.8787$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS     | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|---------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 92.01   | 0.0001 | P    | 16.5 |
| 2 | <input type="checkbox"/> | 0.500    | -1.190     | 82.01   | 0.0001 | P    | 10.5 |
| 3 | <input type="checkbox"/> | 5.000    | 4.025      | 125.68  | 0.0001 | P    | 3.2  |
| 4 | <input type="checkbox"/> | 50.000   | 50.043     | 496.39  | 0.0004 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 123.000    | 1138.16 | 0.0008 | P    | 2.3  |
| 6 | <input type="checkbox"/> | 250.000  | 250.615    | 2188.73 | 0.0017 | P    | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 499.661    | 4271.75 | 0.0032 | P    | 2.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.269   | 8550.46 | 0.0064 | P    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 97.68   | 0.0001 | P    | 17.0 |

$$y = 6.3107\text{E-}006 * x + 6.8916\text{E-}005$$

$$R = 1.0000$$

$$DL = 5.413$$

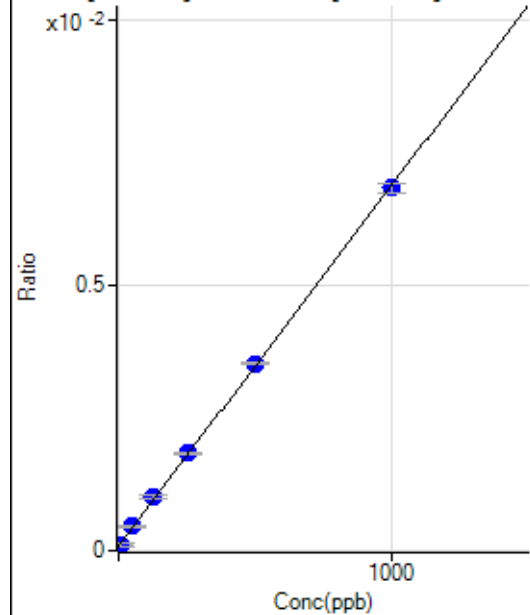
$$BEC = 10.92$$

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"/> |       |            | 14044.93 |       | P        | 4.1 |
| 2 | <input type="checkbox"/> |       |            | 13801.18 |       | P        | 5.3 |
| 3 | <input type="checkbox"/> |       |            | 13249.97 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> |       |            | 14245.34 |       | P        | 1.7 |
| 5 | <input type="checkbox"/> |       |            | 14532.61 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> |       |            | 13487.23 |       | P        | 3.7 |
| 7 | <input type="checkbox"/> |       |            | 13360.24 |       | P        | 4.6 |
| 8 | <input type="checkbox"/> |       |            | 14358.91 |       | P        | 1.4 |
| 9 | <input type="checkbox"/> |       |            | 14963.50 |       | P        | 3.7 |

**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      | 828.46   | 0.0001 | P        | 19.4 |
| 2 | <input checked="" type="checkbox"/> | 0.500    |            |          |        |          |      |
| 3 | <input type="checkbox"/>            | 5.000    | 4.212      | 1140.53  | 0.0001 | P        | 42.6 |
| 4 | <input type="checkbox"/>            | 50.000   | 55.075     | 4655.04  | 0.0005 | P        | 4.6  |
| 5 | <input type="checkbox"/>            | 125.000  | 136.633    | 10180.45 | 0.0010 | P        | 4.6  |
| 6 | <input type="checkbox"/>            | 250.000  | 257.811    | 19286.92 | 0.0018 | P        | 2.5  |
| 7 | <input type="checkbox"/>            | 500.000  | 506.508    | 37703.57 | 0.0035 | P        | 1.1  |
| 8 | <input type="checkbox"/>            | 1000.000 | 993.089    | 71266.72 | 0.0068 | P        | 2.6  |
| 9 | <input type="checkbox"/>            |          |            | 1384.41  | 0.0001 | P        | 9.9  |

$$y = 6.8035E-006 * x + 8.3358E-005$$

$$R = 0.9999$$

$$DL = 7.148$$

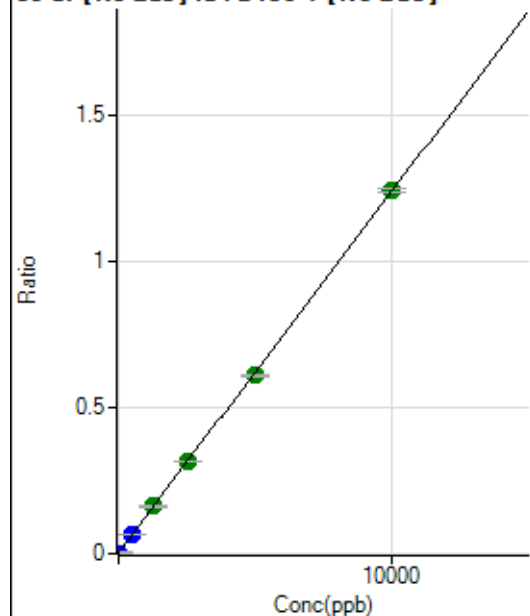
$$BEC = 12.25$$

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"/> |       |            | 20766.44 |       | P        | 1.9 |
| 2 | <input type="checkbox"/> |       |            | 20632.53 |       | P        | 1.5 |
| 3 | <input type="checkbox"/> |       |            | 20715.98 |       | P        | 2.4 |
| 4 | <input type="checkbox"/> |       |            | 20420.56 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> |       |            | 20696.78 |       | P        | 1.6 |
| 6 | <input type="checkbox"/> |       |            | 20591.63 |       | P        | 1.6 |
| 7 | <input type="checkbox"/> |       |            | 20644.21 |       | P        | 0.9 |
| 8 | <input type="checkbox"/> |       |            | 20964.64 |       | P        | 1.4 |
| 9 | <input type="checkbox"/> |       |            | 21020.97 |       | P        | 0.8 |

**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      | 32026.03    | 0.0032 | P        | 2.6 |
| 2 | <input type="checkbox"/> | 0.100     | -0.334     | 32176.51    | 0.0032 | P        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000     | 0.493      | 33512.96    | 0.0033 | P        | 1.7 |
| 4 | <input type="checkbox"/> | 500.000   | 497.055    | 655691.04   | 0.0645 | P        | 4.4 |
| 5 | <input type="checkbox"/> | 1250.000  | 1291.412   | 1632084.43  | 0.1625 | A        | 5.4 |
| 6 | <input type="checkbox"/> | 2500.000  | 2532.561   | 3313403.18  | 0.3157 | A        | 1.7 |
| 7 | <input type="checkbox"/> | 5000.000  | 4914.163   | 6510907.18  | 0.6095 | A        | 0.6 |
| 8 | <input type="checkbox"/> | 10000.000 | 10029.749  | 12928132.23 | 1.2405 | A        | 1.1 |
| 9 | <input type="checkbox"/> |           |            | 45393.91    | 0.0042 | P        | 4.9 |

$$y = 1.2336E-004 * x + 0.0032$$

$$R = 0.9999$$

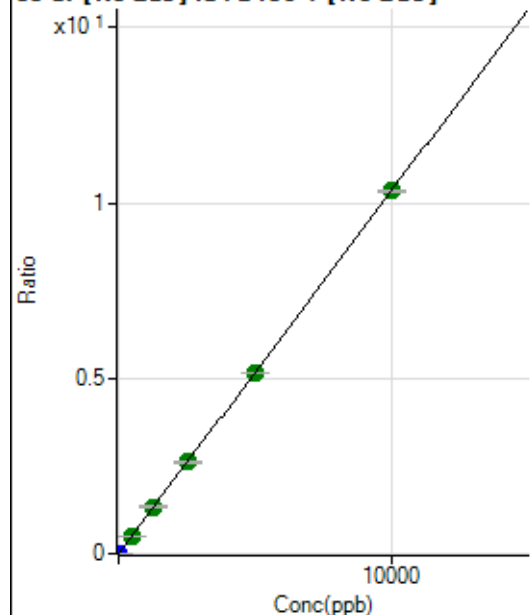
$$DL = 2.01$$

$$BEC = 26.15$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 147.23      | 0.0000  | P    | 31.9 |
| 2 | <input type="checkbox"/> | 0.100     | 0.107      | 1269.54     | 0.0001  | P    | 11.7 |
| 3 | <input type="checkbox"/> | 1.000     | 0.964      | 10312.41    | 0.0010  | P    | 5.4  |
| 4 | <input type="checkbox"/> | 500.000   | 494.861    | 5202308.36  | 0.5120  | A    | 2.9  |
| 5 | <input type="checkbox"/> | 1250.000  | 1294.285   | 13450548.65 | 1.3390  | A    | 4.0  |
| 6 | <input type="checkbox"/> | 2500.000  | 2531.192   | 27486954.08 | 2.6186  | A    | 2.4  |
| 7 | <input type="checkbox"/> | 5000.000  | 4980.126   | 55042916.51 | 5.1522  | A    | 0.3  |
| 8 | <input type="checkbox"/> | 10000.000 | 9996.860   | 107782991.3 | 10.3422 | A    | 0.9  |
| 9 | <input type="checkbox"/> |           |            | 105846.63   | 0.0097  | P    | 5.2  |

$$y = 0.0010 * x + 1.4851E-005$$

$$R = 1.0000$$

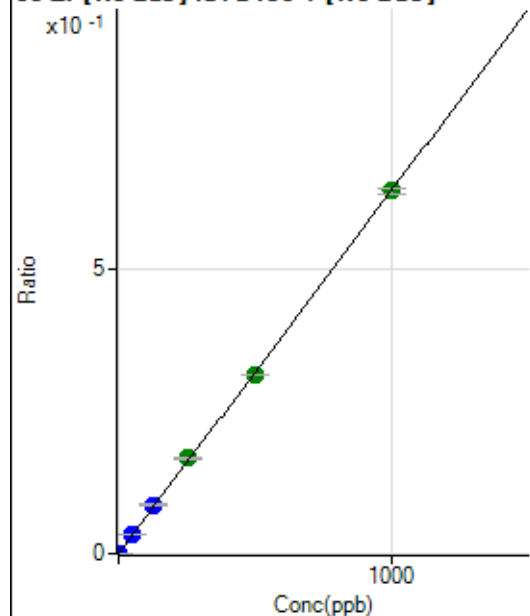
$$DL = 0.01375$$

$$BEC = 0.01435$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 419.46     | 0.0000 | P    | 3.9  |
| 2 | <input type="checkbox"/> | 0.100    | 0.084      | 969.50     | 0.0001 | P    | 11.0 |
| 3 | <input type="checkbox"/> | 1.000    | 0.969      | 6737.96    | 0.0007 | P    | 6.8  |
| 4 | <input type="checkbox"/> | 50.000   | 50.461     | 327925.36  | 0.0323 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 132.804    | 852165.78  | 0.0848 | P    | 4.1  |
| 6 | <input type="checkbox"/> | 250.000  | 262.696    | 1761268.61 | 0.1678 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 493.326    | 3365635.67 | 0.3150 | A    | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.165    | 6648615.38 | 0.6380 | A    | 1.8  |
| 9 | <input type="checkbox"/> |          |            | 5209.46    | 0.0005 | P    | 6.6  |

$$y = 6.3853E-004 * x + 4.2255E-005$$

$$R = 0.9999$$

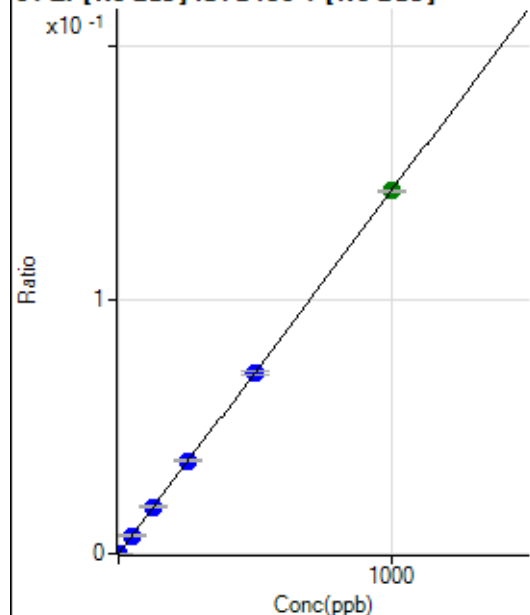
$$DL = 0.00781$$

$$BEC = 0.06618$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.11      | 0.0000 | P    | 28.6 |
| 2 | <input type="checkbox"/> | 0.100    | 0.128      | 247.23     | 0.0000 | P    | 14.1 |
| 3 | <input type="checkbox"/> | 1.000    | 0.924      | 1408.44    | 0.0001 | P    | 3.8  |
| 4 | <input type="checkbox"/> | 50.000   | 49.866     | 72430.69   | 0.0071 | P    | 2.2  |
| 5 | <input type="checkbox"/> | 125.000  | 128.813    | 184793.06  | 0.0184 | P    | 5.2  |
| 6 | <input type="checkbox"/> | 250.000  | 255.512    | 383052.23  | 0.0365 | P    | 1.4  |
| 7 | <input type="checkbox"/> | 500.000  | 496.823    | 757860.34  | 0.0710 | P    | 2.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.741    | 1487869.27 | 0.1428 | A    | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 1100.08    | 0.0001 | P    | 11.0 |

$$y = 1.4280E-004 * x + 6.1589E-006$$

$$R = 1.0000$$

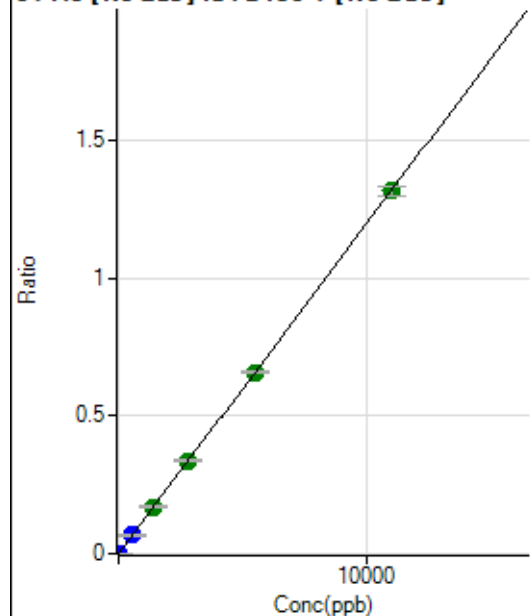
$$DL = 0.03696$$

$$BEC = 0.04313$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 127.78      | 0.0000 | P    | 16.0 |
| 2 | <input type="checkbox"/> | 0.500     | 0.609      | 866.72      | 0.0001 | P    | 9.7  |
| 3 | <input type="checkbox"/> | 5.000     | 6.054      | 7524.45     | 0.0007 | P    | 2.6  |
| 4 | <input type="checkbox"/> | 550.000   | 555.116    | 675725.00   | 0.0665 | P    | 2.9  |
| 5 | <input type="checkbox"/> | 1375.000  | 1419.138   | 1708323.04  | 0.1700 | A    | 2.8  |
| 6 | <input type="checkbox"/> | 2750.000  | 2809.225   | 3532107.72  | 0.3365 | A    | 1.7  |
| 7 | <input type="checkbox"/> | 5500.000  | 5489.062   | 7024415.96  | 0.6575 | A    | 0.9  |
| 8 | <input type="checkbox"/> | 11000.000 | 10984.889  | 13709266.11 | 1.3157 | A    | 2.8  |
| 9 | <input type="checkbox"/> |           |            | 6646.27     | 0.0006 | P    | 8.2  |

$$y = 1.1978E-004 * x + 1.2882E-005$$

$$R = 1.0000$$

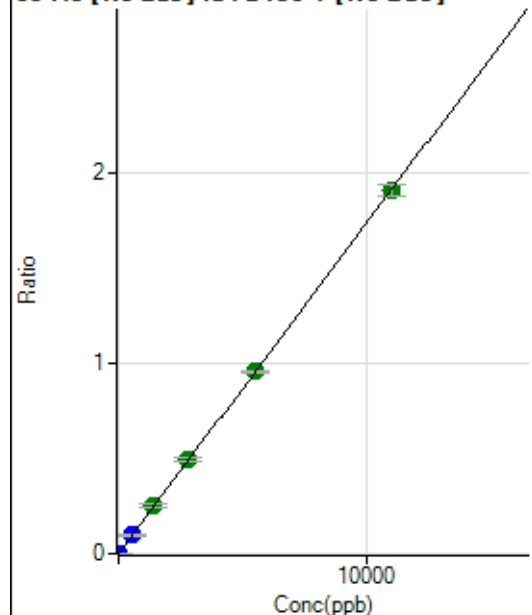
$$DL = 0.05173$$

$$BEC = 0.1075$$

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      | 30.55       | 0.0000 | P        | 16.2 |
| 2 | <input type="checkbox"/> | 0.500     | 0.485      | 883.39      | 0.0001 | P        | 7.9  |
| 3 | <input type="checkbox"/> | 5.000     | 5.011      | 8914.23     | 0.0009 | P        | 2.4  |
| 4 | <input type="checkbox"/> | 550.000   | 555.067    | 980626.22   | 0.0965 | P        | 2.7  |
| 5 | <input type="checkbox"/> | 1375.000  | 1453.969   | 2538521.02  | 0.2528 | A        | 4.8  |
| 6 | <input type="checkbox"/> | 2750.000  | 2847.809   | 5197431.28  | 0.4951 | A        | 3.1  |
| 7 | <input type="checkbox"/> | 5500.000  | 5499.535   | 10214611.77 | 0.9562 | A        | 0.7  |
| 8 | <input type="checkbox"/> | 11000.000 | 10965.655  | 19862946.62 | 1.9065 | A        | 3.2  |
| 9 | <input type="checkbox"/> |           |            | 8555.81     | 0.0008 | P        | 8.1  |

$$y = 1.7386E-004 * x + 3.0789E-006$$

$$R = 0.9999$$

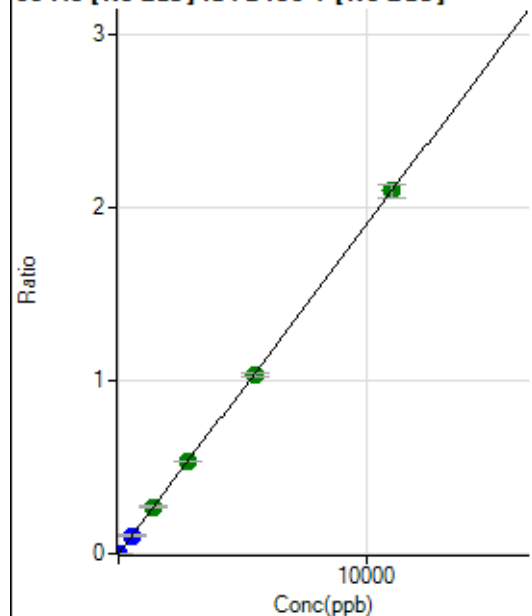
$$DL = 0.008617$$

$$BEC = 0.01771$$

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      | 69.45       | 0.0000 | P        | 31.1 |
| 2 | <input type="checkbox"/> | 0.500     | 0.495      | 1022.29     | 0.0001 | P        | 11.2 |
| 3 | <input type="checkbox"/> | 5.000     | 5.129      | 10012.22    | 0.0010 | P        | 4.9  |
| 4 | <input type="checkbox"/> | 550.000   | 552.299    | 1067205.60  | 0.1050 | P        | 2.4  |
| 5 | <input type="checkbox"/> | 1375.000  | 1421.067   | 2713388.82  | 0.2702 | A        | 5.1  |
| 6 | <input type="checkbox"/> | 2750.000  | 2797.274   | 5583426.55  | 0.5319 | A        | 1.3  |
| 7 | <input type="checkbox"/> | 5500.000  | 5434.095   | 11036365.52 | 1.0333 | A        | 2.7  |
| 8 | <input type="checkbox"/> | 11000.000 | 11015.261  | 21820163.68 | 2.0945 | A        | 3.6  |
| 9 | <input type="checkbox"/> |           |            | 13637.88    | 0.0012 | P        | 4.5  |

$$y = 1.9014E-004 * x + 7.0067E-006$$

$$R = 1.0000$$

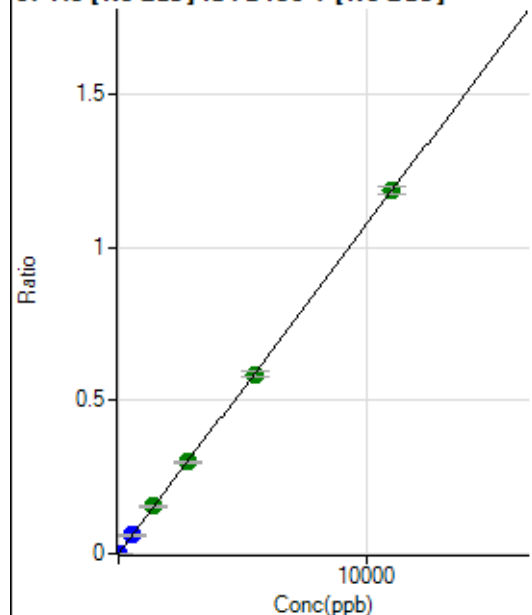
$$DL = 0.03439$$

$$BEC = 0.03685$$

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      | 27.78       | 0.0000 | P        | 45.5 |
| 2 | <input type="checkbox"/> | 0.500     | 0.484      | 555.58      | 0.0001 | P        | 2.8  |
| 3 | <input type="checkbox"/> | 5.000     | 4.727      | 5220.61     | 0.0005 | P        | 6.3  |
| 4 | <input type="checkbox"/> | 550.000   | 555.876    | 608715.07   | 0.0599 | P        | 2.9  |
| 5 | <input type="checkbox"/> | 1375.000  | 1432.346   | 1549993.94  | 0.1543 | A        | 4.9  |
| 6 | <input type="checkbox"/> | 2750.000  | 2786.190   | 3151862.09  | 0.3002 | A        | 2.5  |
| 7 | <input type="checkbox"/> | 5500.000  | 5445.478   | 6267535.21  | 0.5868 | A        | 2.7  |
| 8 | <input type="checkbox"/> | 11000.000 | 11010.751  | 12362982.05 | 1.1865 | A        | 2.3  |
| 9 | <input type="checkbox"/> |           |            | 4920.48     | 0.0005 | P        | 12.2 |

$$y = 1.0776\text{E-}004 * x + 2.7971\text{E-}006$$

$$R = 1.0000$$

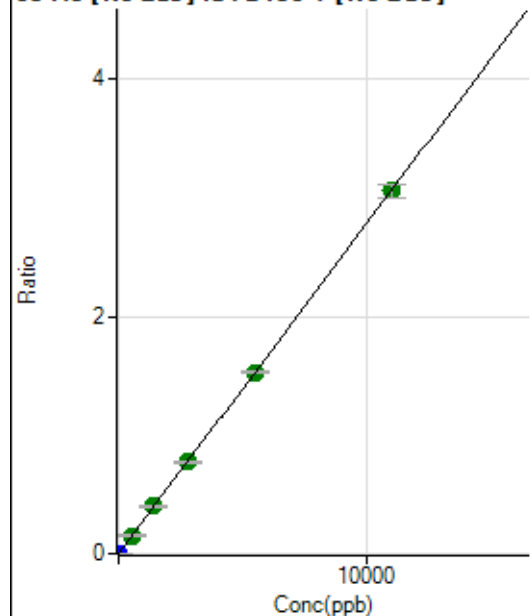
$$DL = 0.03545$$

$$BEC = 0.02596$$

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      | 58.34       | 0.0000 | P        | 13.5 |
| 2 | <input type="checkbox"/> | 0.500     | 0.450      | 1325.10     | 0.0001 | P        | 6.4  |
| 3 | <input type="checkbox"/> | 5.000     | 4.904      | 13990.83    | 0.0014 | P        | 4.6  |
| 4 | <input type="checkbox"/> | 550.000   | 546.817    | 1548395.52  | 0.1524 | A        | 3.0  |
| 5 | <input type="checkbox"/> | 1375.000  | 1428.183   | 3998133.29  | 0.3980 | A        | 3.9  |
| 6 | <input type="checkbox"/> | 2750.000  | 2789.559   | 8159704.00  | 0.7774 | A        | 1.7  |
| 7 | <input type="checkbox"/> | 5500.000  | 5495.860   | 16360667.90 | 1.5315 | A        | 1.1  |
| 8 | <input type="checkbox"/> | 11000.000 | 10985.692  | 31893991.68 | 3.0614 | A        | 3.7  |
| 9 | <input type="checkbox"/> |           |            | 13251.66    | 0.0012 | P        | 11.9 |

$$y = 2.7867\text{E-}004 * x + 5.8710\text{E-}006$$

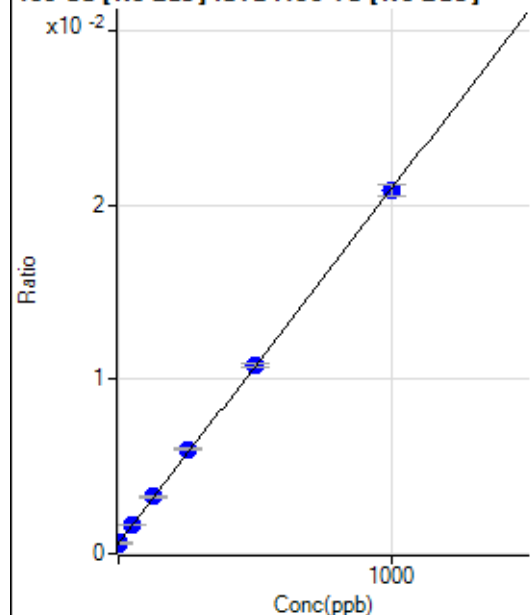
$$R = 1.0000$$

$$DL = 0.008542$$

$$BEC = 0.02107$$

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      | 2264.15  | 0.0006 | P        | 6.5 |
| 2 | <input type="checkbox"/> | 0.100    | 2.794      | 2405.83  | 0.0007 | P        | 3.8 |
| 3 | <input type="checkbox"/> | 1.000    | 1.155      | 2297.48  | 0.0006 | P        | 4.3 |
| 4 | <input type="checkbox"/> | 50.000   | 52.111     | 6354.43  | 0.0017 | P        | 5.4 |
| 5 | <input type="checkbox"/> | 125.000  | 131.038    | 12678.43 | 0.0033 | P        | 6.3 |
| 6 | <input type="checkbox"/> | 250.000  | 265.502    | 24180.21 | 0.0060 | P        | 2.9 |
| 7 | <input type="checkbox"/> | 500.000  | 502.306    | 45534.65 | 0.0108 | P        | 2.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 994.111    | 85342.32 | 0.0208 | P        | 3.3 |
| 9 | <input type="checkbox"/> |          |            | 2636.45  | 0.0006 | P        | 6.1 |

$$y = 2.0356E-005 * x + 5.9472E-004$$

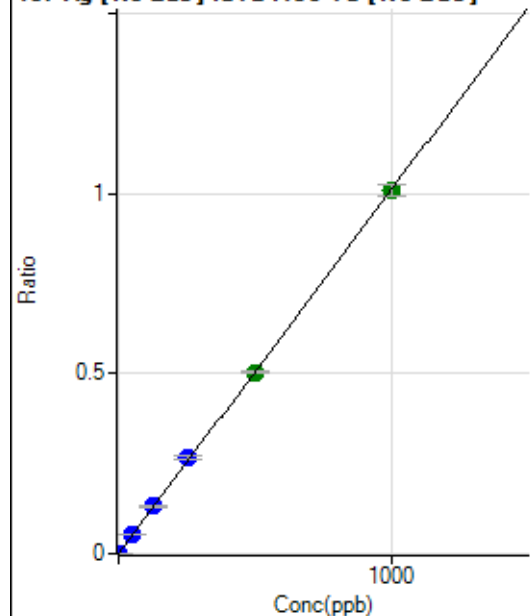
$$R = 0.9999$$

$$DL = 5.712$$

$$BEC = 29.22$$

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      | 58.34      | 0.0000 | P        | 27.4 |
| 2 | <input type="checkbox"/> | 0.100    | 0.090      | 391.68     | 0.0001 | P        | 16.9 |
| 3 | <input type="checkbox"/> | 1.000    | 1.039      | 3959.03    | 0.0011 | P        | 5.0  |
| 4 | <input type="checkbox"/> | 50.000   | 51.670     | 200484.97  | 0.0522 | P        | 2.5  |
| 5 | <input type="checkbox"/> | 125.000  | 131.791    | 518092.31  | 0.1332 | P        | 3.7  |
| 6 | <input type="checkbox"/> | 250.000  | 264.442    | 1076887.56 | 0.2673 | P        | 4.4  |
| 7 | <input type="checkbox"/> | 500.000  | 498.208    | 2119224.39 | 0.5035 | A        | 1.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.353    | 4125222.36 | 1.0069 | A        | 3.3  |
| 9 | <input type="checkbox"/> |          |            | 1933.52    | 0.0005 | P        | 9.7  |

$$y = 0.0010 * x + 1.5295E-005$$

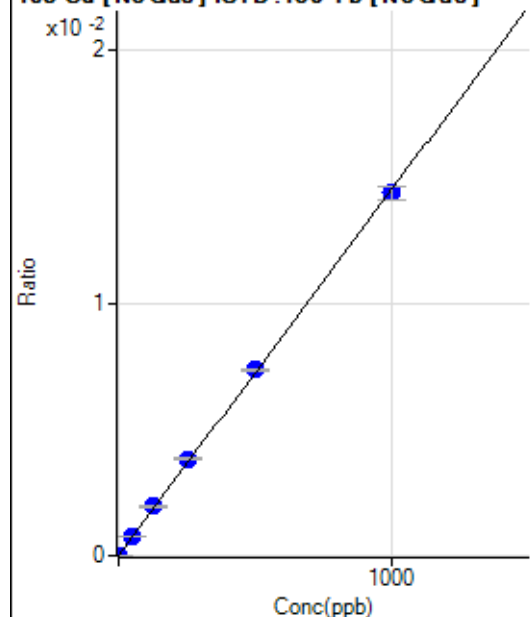
$$R = 0.9999$$

$$DL = 0.01243$$

$$BEC = 0.01514$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 29.17    | 0.0000 | P        | 13.0 |
| 2 | <input type="checkbox"/> | 0.100    | 0.043      | 30.56    | 0.0000 | P        | 41.8 |
| 3 | <input type="checkbox"/> | 1.000    | 1.141      | 90.28    | 0.0000 | P        | 20.0 |
| 4 | <input type="checkbox"/> | 50.000   | 51.443     | 2886.46  | 0.0008 | P        | 3.3  |
| 5 | <input type="checkbox"/> | 125.000  | 134.822    | 7614.69  | 0.0020 | P        | 4.7  |
| 6 | <input type="checkbox"/> | 250.000  | 264.571    | 15460.23 | 0.0038 | P        | 2.4  |
| 7 | <input type="checkbox"/> | 500.000  | 507.021    | 30912.56 | 0.0073 | P        | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.547    | 58796.01 | 0.0144 | P        | 3.9  |
| 9 | <input type="checkbox"/> |          |            | 56.95    | 0.0000 | P        | 17.1 |

$$y = 1.4468\text{E-}005 * x + 7.6573\text{E-}006$$

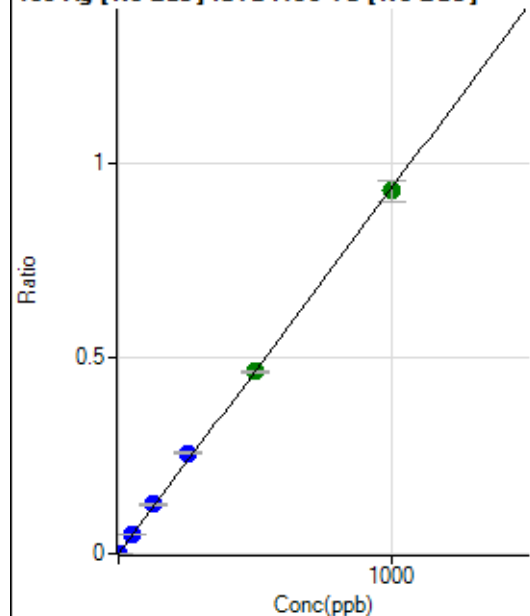
$$R = 0.9998$$

$$DL = 0.2061$$

$$BEC = 0.5292$$

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      | 30.56      | 0.0000 | P        | 102. |
| 2 | <input type="checkbox"/> | 0.100    | 0.097      | 363.91     | 0.0001 | P        | 13.3 |
| 3 | <input type="checkbox"/> | 1.000    | 1.020      | 3567.24    | 0.0010 | P        | 8.9  |
| 4 | <input type="checkbox"/> | 50.000   | 53.762     | 192859.09  | 0.0502 | P        | 1.9  |
| 5 | <input type="checkbox"/> | 125.000  | 134.437    | 488564.37  | 0.1256 | P        | 4.3  |
| 6 | <input type="checkbox"/> | 250.000  | 274.347    | 1033463.48 | 0.2564 | P        | 1.9  |
| 7 | <input type="checkbox"/> | 500.000  | 498.918    | 1962388.59 | 0.4662 | A        | 1.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.087    | 3799275.26 | 0.9280 | A        | 6.2  |
| 9 | <input type="checkbox"/> |          |            | 1975.21    | 0.0005 | P        | 7.8  |

$$y = 9.3448\text{E-}004 * x + 7.9750\text{E-}006$$

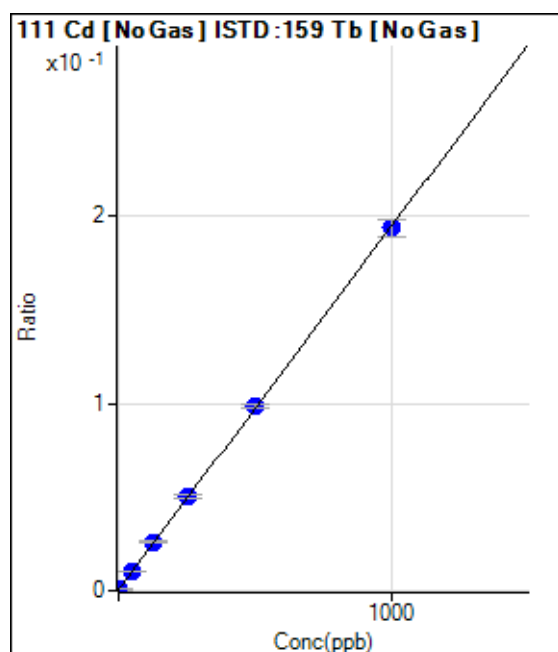
$$R = 0.9997$$

$$DL = 0.02627$$

$$BEC = 0.008534$$

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      | 1582.54   | 0.0004 | P    | 6.9 |
| 2 | <input checked="" type="checkbox"/> | 0.100    |            |           |        |      |     |
| 3 | <input type="checkbox"/>            | 1.000    | 1.039      | 2296.46   | 0.0006 | P    | 2.9 |
| 4 | <input type="checkbox"/>            | 50.000   | 50.574     | 39345.41  | 0.0103 | P    | 1.0 |
| 5 | <input type="checkbox"/>            | 125.000  | 131.476    | 101084.54 | 0.0260 | P    | 2.7 |
| 6 | <input type="checkbox"/>            | 250.000  | 258.442    | 204220.18 | 0.0507 | P    | 3.6 |
| 7 | <input type="checkbox"/>            | 500.000  | 503.318    | 413712.74 | 0.0983 | P    | 2.1 |
| 8 | <input type="checkbox"/>            | 1000.000 | 995.392    | 794425.45 | 0.1940 | P    | 5.1 |
| 9 | <input type="checkbox"/>            |          |            | 2080.65   | 0.0005 | P    | 4.1 |

$$y = 1.9447\text{E-}004 * x + 4.1567\text{E-}004$$

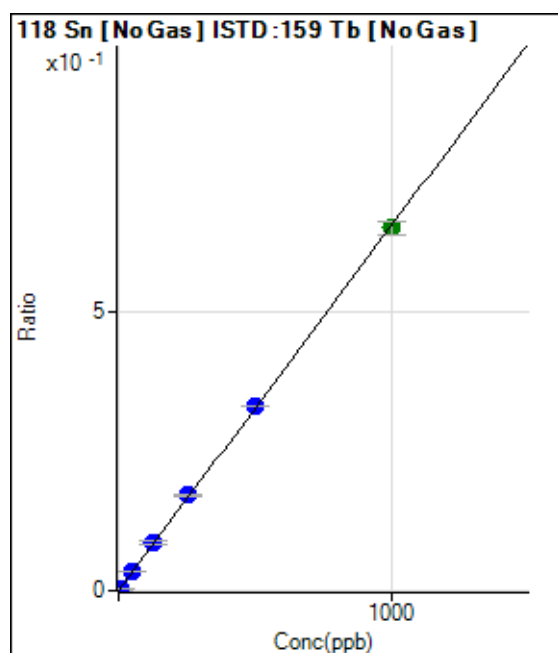
$$R = 0.9999$$

$$DL = 0.4429$$

$$BEC = 2.137$$

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      | 380.57     | 0.0001 | P    | 16.1 |
| 2 | <input type="checkbox"/> | 0.500    | 0.525      | 1639.04    | 0.0004 | P    | 6.3  |
| 3 | <input type="checkbox"/> | 5.000    | 5.086      | 12750.72   | 0.0034 | P    | 2.7  |
| 4 | <input type="checkbox"/> | 50.000   | 52.420     | 132107.15  | 0.0344 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 125.000  | 131.304    | 334658.10  | 0.0861 | P    | 4.4  |
| 6 | <input type="checkbox"/> | 250.000  | 261.122    | 689519.27  | 0.1711 | P    | 1.8  |
| 7 | <input type="checkbox"/> | 500.000  | 505.185    | 1392581.16 | 0.3308 | P    | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.718    | 2665685.63 | 0.6507 | A    | 3.5  |
| 9 | <input type="checkbox"/> |          |            | 2216.91    | 0.0005 | P    | 12.3 |

$$y = 6.5469\text{E-}004 * x + 1.0019\text{E-}004$$

$$R = 0.9999$$

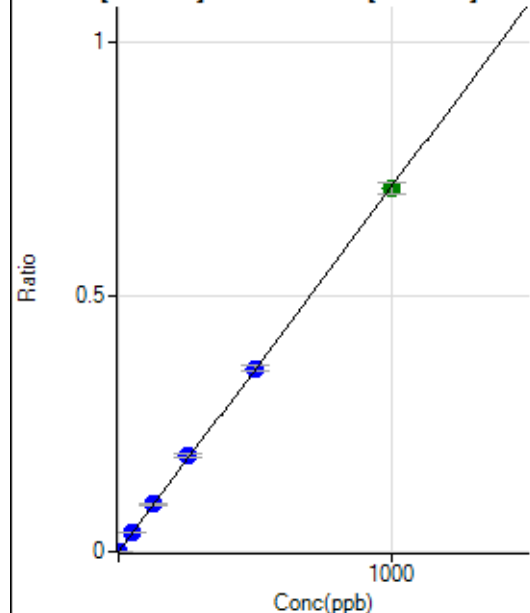
$$DL = 0.07402$$

$$BEC = 0.153$$

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      | 38.89      | 0.0000 | P    | 64.6 |
| 2 | <input type="checkbox"/> | 0.200    | 0.215      | 605.59     | 0.0002 | P    | 10.6 |
| 3 | <input type="checkbox"/> | 2.000    | 1.938      | 5187.24    | 0.0014 | P    | 3.9  |
| 4 | <input type="checkbox"/> | 50.000   | 51.064     | 140196.16  | 0.0365 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 129.707    | 360744.15  | 0.0928 | P    | 3.9  |
| 6 | <input type="checkbox"/> | 250.000  | 263.684    | 760057.97  | 0.1886 | P    | 2.9  |
| 7 | <input type="checkbox"/> | 500.000  | 503.205    | 1514360.12 | 0.3598 | P    | 2.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.335    | 2913024.20 | 0.7110 | A    | 3.3  |
| 9 | <input type="checkbox"/> |          |            | 2747.58    | 0.0007 | P    | 3.1  |

$$y = 7.1508\text{E-}004 * x + 1.0169\text{E-}005$$

$$R = 0.9999$$

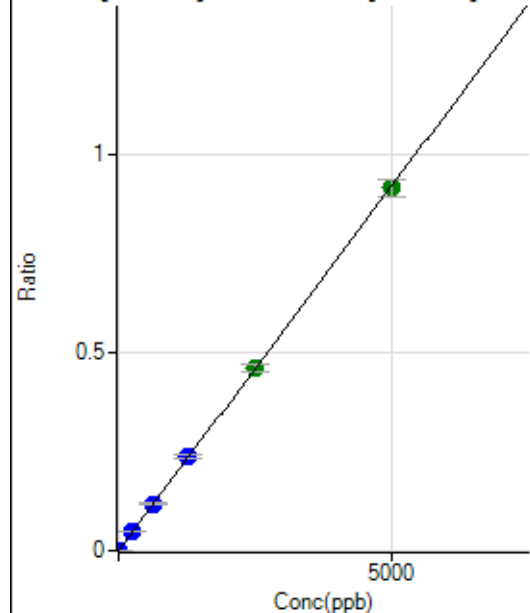
$$DL = 0.02755$$

$$BEC = 0.01422$$

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      | 13.89      | 0.0000 | P    | 35.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.994      | 688.93     | 0.0002 | P    | 15.6 |
| 3 | <input type="checkbox"/> | 10.000   | 9.790      | 6707.41    | 0.0018 | P    | 4.8  |
| 4 | <input type="checkbox"/> | 250.000  | 253.637    | 179184.22  | 0.0467 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 625.000  | 644.108    | 460932.87  | 0.1185 | P    | 4.7  |
| 6 | <input type="checkbox"/> | 1250.000 | 1296.361   | 961515.46  | 0.2386 | P    | 3.1  |
| 7 | <input type="checkbox"/> | 2500.000 | 2517.113   | 1949141.41 | 0.4632 | A    | 4.0  |
| 8 | <input type="checkbox"/> | 5000.000 | 4977.283   | 3751308.59 | 0.9160 | A    | 4.9  |
| 9 | <input type="checkbox"/> |          |            | 2419.73    | 0.0006 | P    | 10.8 |

$$y = 1.8403\text{E-}004 * x + 3.6589\text{E-}006$$

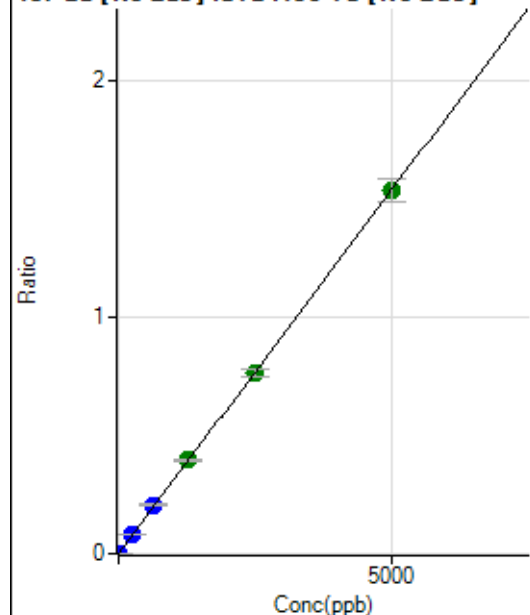
$$R = 0.9999$$

$$DL = 0.02108$$

$$BEC = 0.01988$$

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      | 30.56      | 0.0000 | P        | 58.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.030      | 1200.08    | 0.0003 | P        | 5.3  |
| 3 | <input type="checkbox"/> | 10.000   | 10.207     | 11713.74   | 0.0031 | P        | 1.4  |
| 4 | <input type="checkbox"/> | 250.000  | 260.007    | 307150.69  | 0.0800 | P        | 1.8  |
| 5 | <input type="checkbox"/> | 625.000  | 671.371    | 803332.49  | 0.2066 | P        | 4.9  |
| 6 | <input type="checkbox"/> | 1250.000 | 1283.814   | 1592577.94 | 0.3951 | A        | 2.5  |
| 7 | <input type="checkbox"/> | 2500.000 | 2492.438   | 3227486.60 | 0.7670 | A        | 3.9  |
| 8 | <input type="checkbox"/> | 5000.000 | 4989.030   | 6286026.57 | 1.5354 | A        | 6.4  |
| 9 | <input type="checkbox"/> |          |            | 4050.78    | 0.0010 | P        | 5.5  |

$$y = 3.0775E-004 * x + 8.0752E-006$$

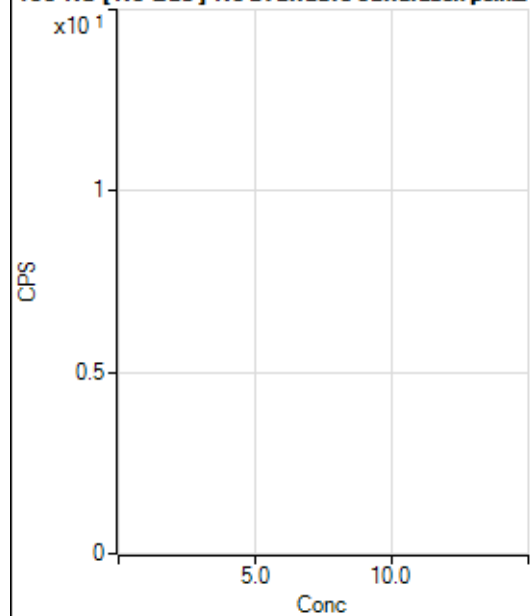
$$R = 0.9999$$

$$DL = 0.04591$$

$$BEC = 0.02624$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.45   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 114. |
| 5 | <input type="checkbox"/> |       |            | 31.11  |       | P        | 53.9 |
| 6 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 19.3 |
| 7 | <input type="checkbox"/> |       |            | 71.11  |       | P        | 10.8 |
| 8 | <input type="checkbox"/> |       |            | 140.00 |       | P        | 12.6 |
| 9 | <input type="checkbox"/> |       |            | 31.11  |       | P        | 96.6 |

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

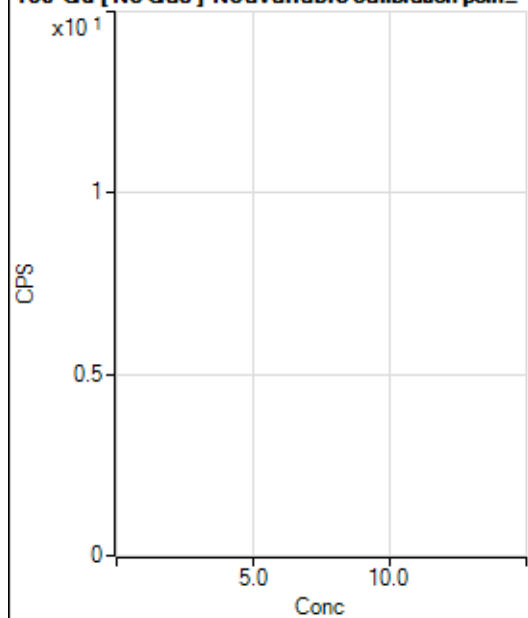
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 4 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 173. |
| 5 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7 |
| 6 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 43.4 |
| 7 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 43.3 |
| 8 | <input type="checkbox"/> |       |            | 14.44 |       | P        | 58.1 |
| 9 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 25.0 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 13.89  |       | P        | 34.7 |
| 2 | <input type="checkbox"/> |       |            | 5.55   |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 8.33   |       | P        | 0.0  |
| 4 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 50.0 |
| 5 | <input type="checkbox"/> |       |            | 16.66  |       | P        | 86.6 |
| 6 | <input type="checkbox"/> |       |            | 30.56  |       | P        | 41.7 |
| 7 | <input type="checkbox"/> |       |            | 61.12  |       | P        | 34.3 |
| 8 | <input type="checkbox"/> |       |            | 116.67 |       | P        | 44.6 |
| 9 | <input type="checkbox"/> |       |            | 486.14 |       | P        | 8.6  |

**156 Dy [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"/> |       |            | 4.45   |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 91.6 |
| 5 | <input type="checkbox"/> |       |            | 20.00  |       | P        | 72.7 |
| 6 | <input type="checkbox"/> |       |            | 36.66  |       | P        | 15.7 |
| 7 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 30.5 |
| 8 | <input type="checkbox"/> |       |            | 97.78  |       | P        | 8.6  |
| 9 | <input type="checkbox"/> |       |            | 336.67 |       | P        | 14.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 44.1 |
| 2 | <input type="checkbox"/> |       |            | 16.66  |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 32.7 |
| 4 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 57.3 |
| 5 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 45.8 |
| 6 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 47.9 |
| 7 | <input type="checkbox"/> |       |            | 94.45  |       | P        | 28.4 |
| 8 | <input type="checkbox"/> |       |            | 122.23 |       | P        | 28.4 |
| 9 | <input type="checkbox"/> |       |            | 469.47 |       | P        | 9.8  |

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

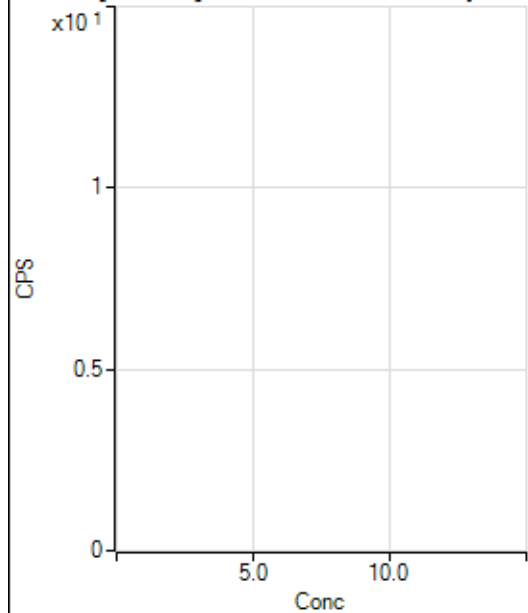
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 41.11  |       | P        | 33.8 |
| 2 | <input type="checkbox"/> |       |            | 31.11  |       | P        | 22.3 |
| 3 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 13.1 |
| 4 | <input type="checkbox"/> |       |            | 37.78  |       | P        | 13.5 |
| 5 | <input type="checkbox"/> |       |            | 42.22  |       | P        | 32.9 |
| 6 | <input type="checkbox"/> |       |            | 73.34  |       | P        | 38.8 |
| 7 | <input type="checkbox"/> |       |            | 68.89  |       | P        | 24.4 |
| 8 | <input type="checkbox"/> |       |            | 135.56 |       | P        | 28.3 |
| 9 | <input type="checkbox"/> |       |            | 457.79 |       | P        | 8.3  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 17.3 |
| 2 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 32.7 |
| 3 | <input type="checkbox"/> |       |            | 41.67 |       | P        | 20.0 |
| 4 | <input type="checkbox"/> |       |            | 36.11 |       | P        | 13.3 |
| 5 | <input type="checkbox"/> |       |            | 47.22 |       | P        | 44.4 |
| 6 | <input type="checkbox"/> |       |            | 47.22 |       | P        | 27.0 |
| 7 | <input type="checkbox"/> |       |            | 55.56 |       | P        | 17.3 |
| 8 | <input type="checkbox"/> |       |            | 77.78 |       | P        | 62.8 |
| 9 | <input type="checkbox"/> |       |            | 94.45 |       | P        | 28.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 20.0 |
| 2 | <input type="checkbox"/> |       |            | 14.44 |       | P        | 35.3 |
| 3 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 60.0 |
| 4 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 40.0 |
| 5 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 68.2 |
| 6 | <input type="checkbox"/> |       |            | 23.33 |       | P        | 37.8 |
| 7 | <input type="checkbox"/> |       |            | 28.89 |       | P        | 13.3 |
| 8 | <input type="checkbox"/> |       |            | 34.44 |       | P        | 14.8 |
| 9 | <input type="checkbox"/> |       |            | 72.23 |       | P        | 19.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 19.45 |       | P        | 24.7 |
| 2 | <input type="checkbox"/> |       |            | 13.89 |       | P        | 69.3 |
| 3 | <input type="checkbox"/> |       |            | 13.89 |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 50.0 |
| 5 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 43.3 |
| 6 | <input type="checkbox"/> |       |            | 19.44 |       | P        | 65.5 |
| 7 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 57.7 |
| 8 | <input type="checkbox"/> |       |            | 41.67 |       | P        | 52.9 |
| 9 | <input type="checkbox"/> |       |            | 97.23 |       | P        | 26.2 |

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

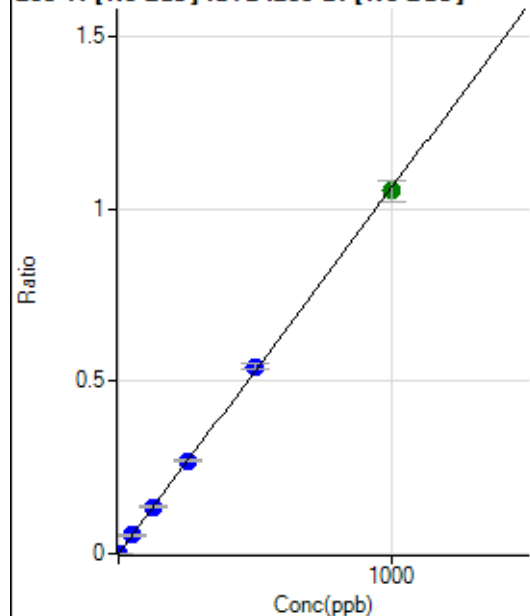
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 7.41  |       | P        | 43.2 |
| 3 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 50.0 |
| 4 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 100. |
| 5 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 0.0  |
| 6 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 100. |
| 7 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 57.7 |
| 8 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 50.0 |
| 9 | <input type="checkbox"/> |       |            | 42.59 |       | P        | 52.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|----------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 461.13   |       | P        | 6.3  |
| 2 | <input type="checkbox"/> |       |            | 425.02   |       | P        | 6.8  |
| 3 | <input type="checkbox"/> |       |            | 408.35   |       | P        | 11.4 |
| 4 | <input type="checkbox"/> |       |            | 830.60   |       | P        | 4.5  |
| 5 | <input type="checkbox"/> |       |            | 1589.03  |       | P        | 8.4  |
| 6 | <input type="checkbox"/> |       |            | 2883.74  |       | P        | 3.3  |
| 7 | <input type="checkbox"/> |       |            | 5548.56  |       | P        | 5.0  |
| 8 | <input type="checkbox"/> |       |            | 10015.18 |       | P        | 2.6  |
| 9 | <input type="checkbox"/> |       |            | 452.80   |       | P        | 13.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 2433.60 |       | P        | 3.2 |
| 2 | <input type="checkbox"/> |       |            | 2474.35 |       | P        | 7.7 |
| 3 | <input type="checkbox"/> |       |            | 2502.14 |       | P        | 6.1 |
| 4 | <input type="checkbox"/> |       |            | 2811.47 |       | P        | 4.3 |
| 5 | <input type="checkbox"/> |       |            | 3356.04 |       | P        | 3.9 |
| 6 | <input type="checkbox"/> |       |            | 4161.84 |       | P        | 5.6 |
| 7 | <input type="checkbox"/> |       |            | 6014.43 |       | P        | 1.9 |
| 8 | <input type="checkbox"/> |       |            | 9755.64 |       | P        | 3.1 |
| 9 | <input type="checkbox"/> |       |            | 2683.66 |       | P        | 9.0 |

**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      | 172.23     | 0.0001 | P        | 3.5  |
| 2 | <input type="checkbox"/> | 0.100    | 0.097      | 380.57     | 0.0002 | P        | 10.8 |
| 3 | <input type="checkbox"/> | 1.000    | 0.966      | 2133.57    | 0.0011 | P        | 10.8 |
| 4 | <input type="checkbox"/> | 50.000   | 50.544     | 103394.24  | 0.0538 | P        | 2.7  |
| 5 | <input type="checkbox"/> | 125.000  | 128.530    | 271768.75  | 0.1366 | P        | 2.3  |
| 6 | <input type="checkbox"/> | 250.000  | 254.234    | 565556.37  | 0.2700 | P        | 1.3  |
| 7 | <input type="checkbox"/> | 500.000  | 512.653    | 1175521.78 | 0.5444 | P        | 2.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.147    | 2216082.56 | 1.0535 | A        | 6.0  |
| 9 | <input type="checkbox"/> |          |            | 1041.74    | 0.0005 | P        | 14.2 |

$$y = 0.0011 * x + 8.9856E-005$$

$$R = 0.9999$$

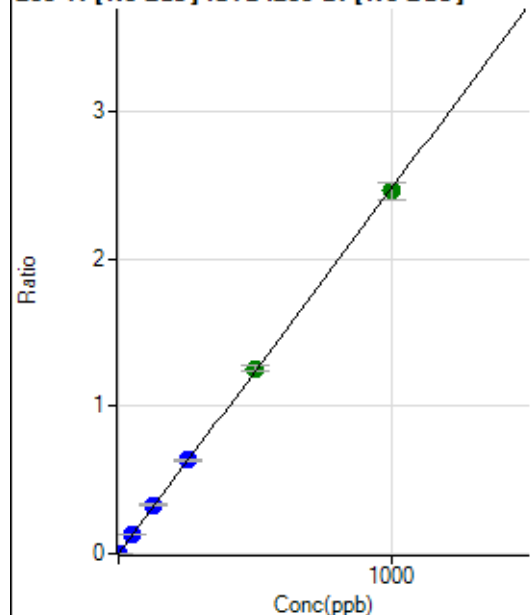
$$DL = 0.008845$$

$$BEC = 0.08463$$

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      | 388.91     | 0.0002 | P    | 17.0 |
| 2 | <input type="checkbox"/> | 0.100    | 0.092      | 852.83     | 0.0004 | P    | 9.2  |
| 3 | <input type="checkbox"/> | 1.000    | 1.016      | 5206.75    | 0.0027 | P    | 1.7  |
| 4 | <input type="checkbox"/> | 50.000   | 51.314     | 244732.43  | 0.1272 | P    | 2.7  |
| 5 | <input type="checkbox"/> | 125.000  | 132.893    | 654959.33  | 0.3292 | P    | 3.4  |
| 6 | <input type="checkbox"/> | 250.000  | 257.324    | 1334706.95 | 0.6372 | P    | 2.4  |
| 7 | <input type="checkbox"/> | 500.000  | 507.330    | 2712012.67 | 1.2561 | A    | 3.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.451    | 5175614.53 | 2.4596 | A    | 4.5  |
| 9 | <input type="checkbox"/> |          |            | 2336.40    | 0.0012 | P    | 19.3 |

$$y = 0.0025 * x + 2.0267E-004$$

$$R = 0.9999$$

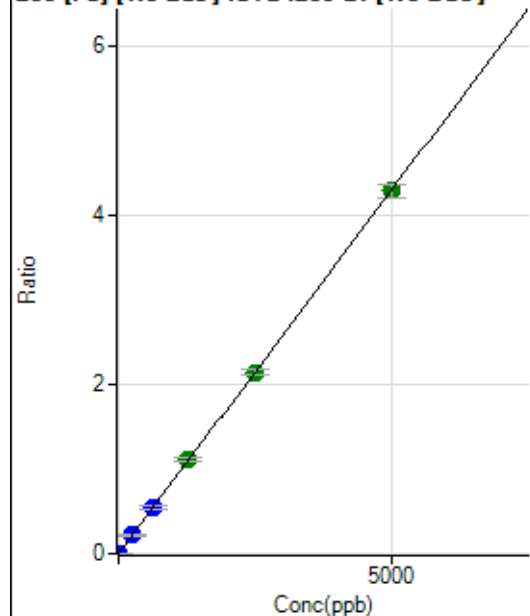
$$DL = 0.04175$$

$$BEC = 0.08187$$

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      | 427.79     | 0.0002 | P    | 17.2 |
| 2 | <input type="checkbox"/> | 0.100    | 0.159      | 711.15     | 0.0004 | P    | 9.0  |
| 3 | <input type="checkbox"/> | 1.000    | 0.959      | 2002.04    | 0.0010 | P    | 4.2  |
| 4 | <input type="checkbox"/> | 250.000  | 251.127    | 414798.31  | 0.2156 | P    | 1.6  |
| 5 | <input type="checkbox"/> | 625.000  | 632.956    | 1080218.58 | 0.5431 | P    | 5.1  |
| 6 | <input type="checkbox"/> | 1250.000 | 1294.872   | 2326877.22 | 1.1109 | A    | 2.3  |
| 7 | <input type="checkbox"/> | 2500.000 | 2494.268   | 4621142.06 | 2.1397 | A    | 2.9  |
| 8 | <input type="checkbox"/> | 5000.000 | 4990.597   | 9010337.76 | 4.2810 | A    | 3.7  |
| 9 | <input type="checkbox"/> |          |            | 6336.95    | 0.0032 | P    | 10.7 |

$$y = 8.5776E-004 * x + 2.2344E-004$$

$$R = 1.0000$$

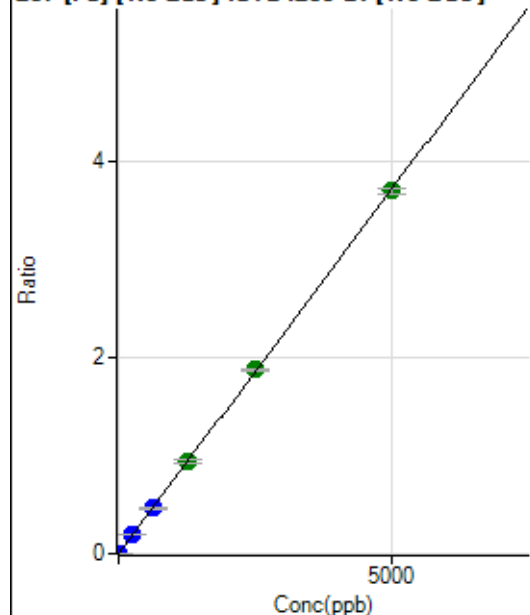
$$DL = 0.1344$$

$$BEC = 0.2605$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 412.98     | 0.0002 | P        | 9.1  |
| 2 | <input type="checkbox"/> | 0.100    | 0.111      | 588.92     | 0.0003 | P        | 7.9  |
| 3 | <input type="checkbox"/> | 1.000    | 0.907      | 1703.85    | 0.0009 | P        | 10.9 |
| 4 | <input type="checkbox"/> | 250.000  | 257.303    | 368658.33  | 0.1917 | P        | 2.4  |
| 5 | <input type="checkbox"/> | 625.000  | 622.920    | 922611.88  | 0.4637 | P        | 3.5  |
| 6 | <input type="checkbox"/> | 1250.000 | 1264.299   | 1970862.96 | 0.9410 | A        | 2.5  |
| 7 | <input type="checkbox"/> | 2500.000 | 2530.670   | 4067523.76 | 1.8832 | A        | 1.0  |
| 8 | <input type="checkbox"/> | 5000.000 | 4980.985   | 7802817.25 | 3.7065 | A        | 1.7  |
| 9 | <input type="checkbox"/> |          |            | 5095.56    | 0.0025 | P        | 5.3  |

$$y = 7.4408\text{E-}004 * x + 2.1554\text{E-}004$$

$$R = 1.0000$$

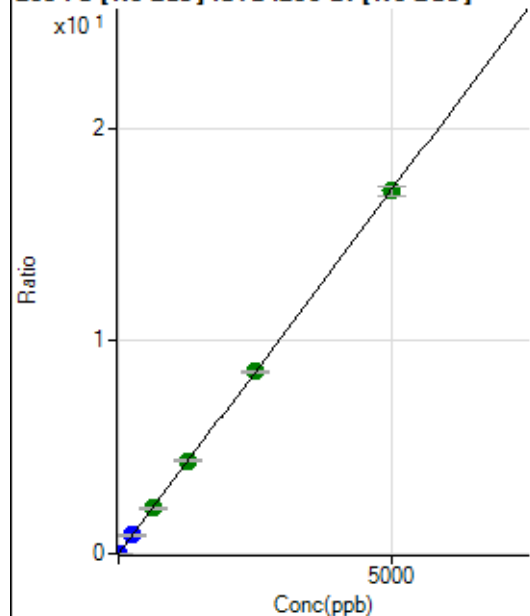
$$DL = 0.07889$$

$$BEC = 0.2897$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1763.04     | 0.0009  | P        | 9.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.121      | 2639.05     | 0.0013  | P        | 6.9 |
| 3 | <input type="checkbox"/> | 1.000    | 0.941      | 7912.20     | 0.0041  | P        | 7.3 |
| 4 | <input type="checkbox"/> | 250.000  | 252.342    | 1659412.13  | 0.8627  | P        | 1.8 |
| 5 | <input type="checkbox"/> | 625.000  | 631.831    | 4294773.05  | 2.1586  | A        | 3.7 |
| 6 | <input type="checkbox"/> | 1250.000 | 1279.075   | 9150956.67  | 4.3690  | A        | 1.9 |
| 7 | <input type="checkbox"/> | 2500.000 | 2504.113   | 18470285.02 | 8.5525  | A        | 1.5 |
| 8 | <input type="checkbox"/> | 5000.000 | 4989.703   | 35870393.86 | 17.0408 | A        | 2.7 |
| 9 | <input type="checkbox"/> |          |            | 24226.22    | 0.0121  | P        | 7.4 |

$$y = 0.0034 * x + 9.2030\text{E-}004$$

$$R = 1.0000$$

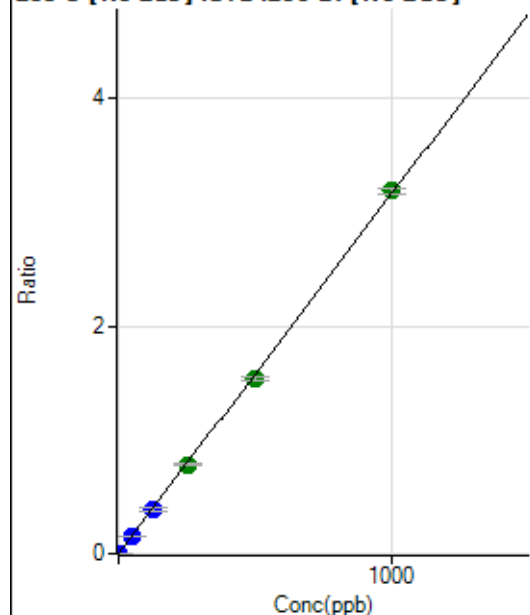
$$DL = 0.08039$$

$$BEC = 0.2695$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 13.89      | 0.0000 | P    | 35.1 |
| 2 | <input type="checkbox"/> | 0.100    | 0.086      | 550.03     | 0.0003 | P    | 18.6 |
| 3 | <input type="checkbox"/> | 1.000    | 0.932      | 5657.02    | 0.0030 | P    | 7.8  |
| 4 | <input type="checkbox"/> | 50.000   | 47.759     | 290670.18  | 0.1511 | P    | 2.3  |
| 5 | <input type="checkbox"/> | 125.000  | 122.596    | 770984.05  | 0.3878 | P    | 6.8  |
| 6 | <input type="checkbox"/> | 250.000  | 246.869    | 1635749.70 | 0.7810 | A    | 2.2  |
| 7 | <input type="checkbox"/> | 500.000  | 485.319    | 3316073.62 | 1.5353 | A    | 1.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 1008.536   | 6716528.54 | 3.1904 | A    | 1.6  |
| 9 | <input type="checkbox"/> |          |            | 1914.11    | 0.0010 | P    | 16.9 |

$$y = 0.0032 * x + 7.2548E-006$$

$$R = 0.9998$$

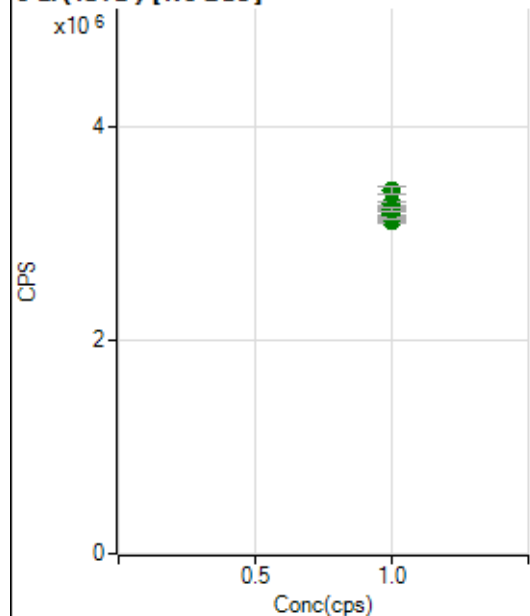
$$DL = 0.002413$$

$$BEC = 0.002293$$

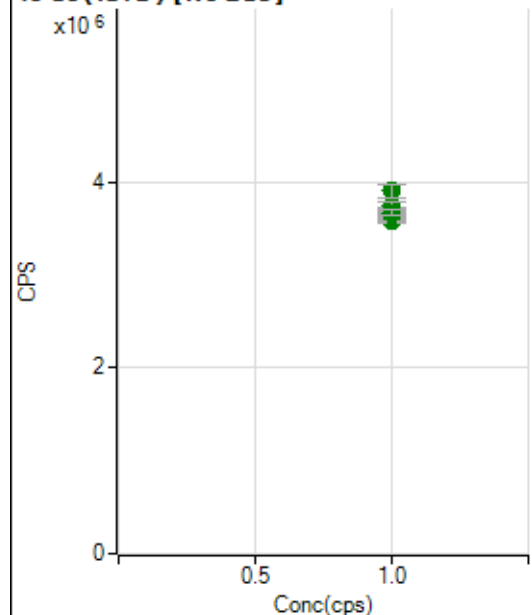
Weight: &lt;None&gt;

Min Conc: 0

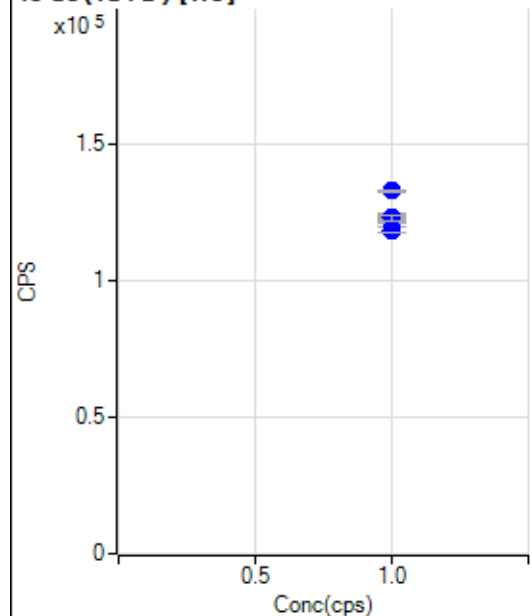
6 Li (ISTD) [No Gas]



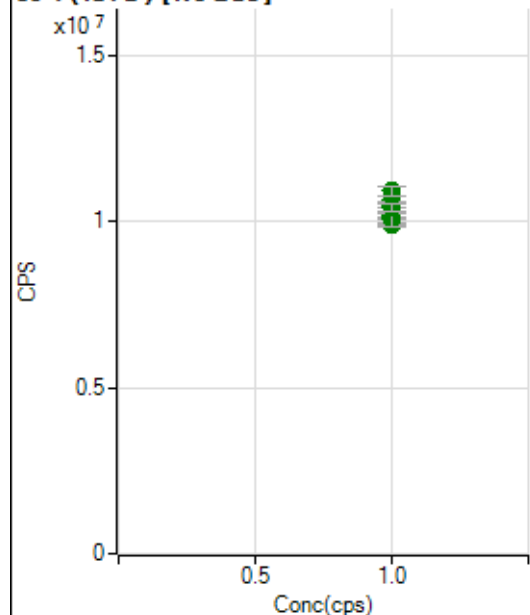
|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3139259.60 |       | A    | 1.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3223019.39 |       | A    | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3162713.99 |       | A    | 4.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3115217.42 |       | A    | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3181730.73 |       | A    | 3.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3278427.96 |       | A    | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3399675.18 |       | A    | 2.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3149654.81 |       | A    | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3227519.66 |       | A    | 1.0 |

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

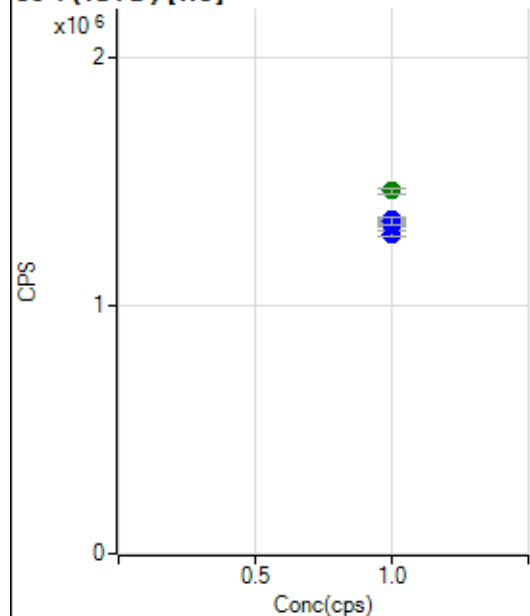
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3579506.20 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3664462.97 |       | A        | 1.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3643584.01 |       | A        | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3670207.83 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3654152.17 |       | A        | 4.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3750781.09 |       | A        | 2.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3747408.14 |       | A        | 2.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3676514.15 |       | A        | 1.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3909925.43 |       | A        | 3.9 |

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

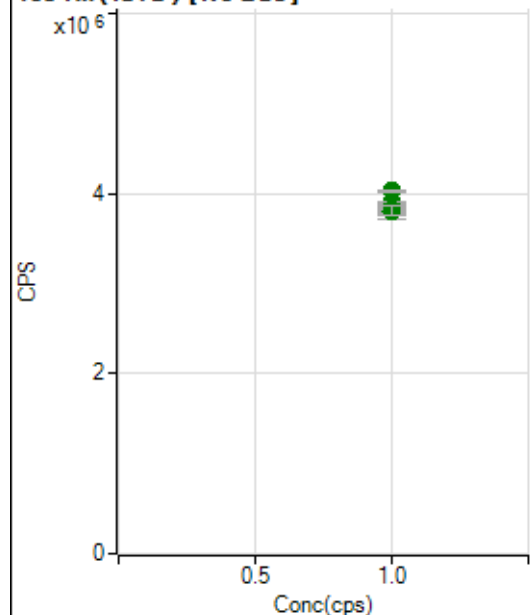
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 122494.42 |       | P        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 122744.12 |       | P        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 123276.54 |       | P        | 1.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 118465.91 |       | P        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 122182.01 |       | P        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 121231.70 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 121679.58 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 122795.76 |       | P        | 1.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 132658.08 |       | P        | 0.5 |

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

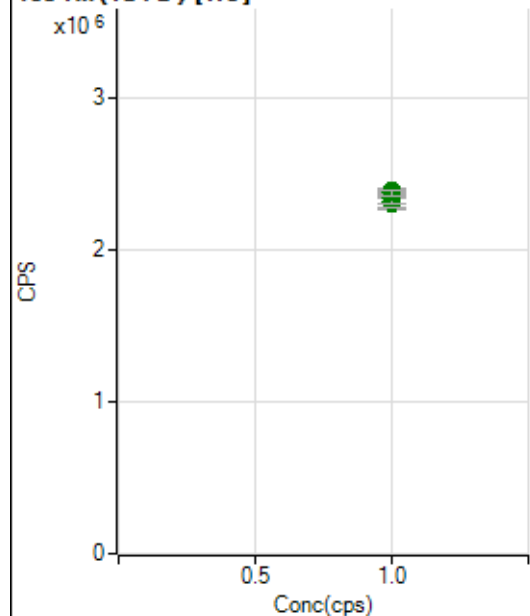
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9929200.62  |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10103561.03 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10196283.67 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10164919.36 |       | A        | 2.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10054735.20 |       | A        | 3.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10497039.36 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10683751.44 |       | A        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10422841.44 |       | A        | 2.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 10931114.42 |       | A        | 2.4 |

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

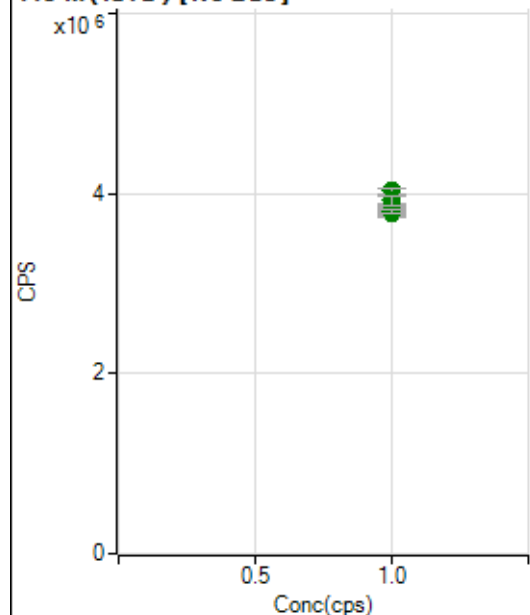
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1336245.89 |       | P        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1336547.05 |       | P        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1332305.27 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1290223.92 |       | P        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1346806.06 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1326215.00 |       | P        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1325837.64 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1339905.08 |       | P        | 2.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1462564.98 |       | A        | 1.3 |

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

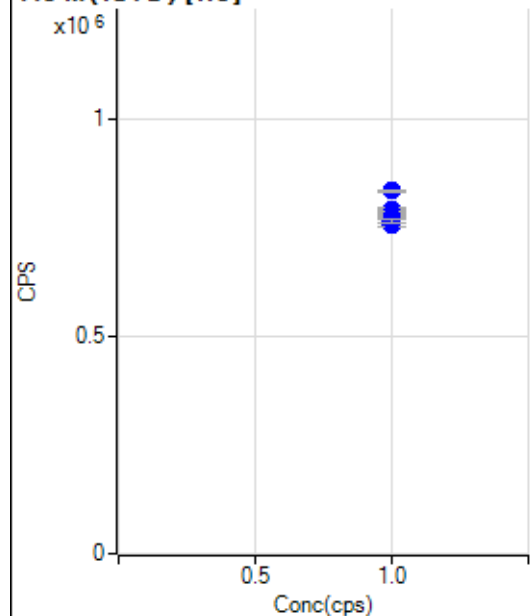
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3819474.22 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3800030.73 |       | A        | 2.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3791541.36 |       | A        | 4.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3801605.38 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3822309.72 |       | A        | 1.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3901960.64 |       | A        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4026540.41 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3812981.64 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3808092.23 |       | A        | 2.7 |

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

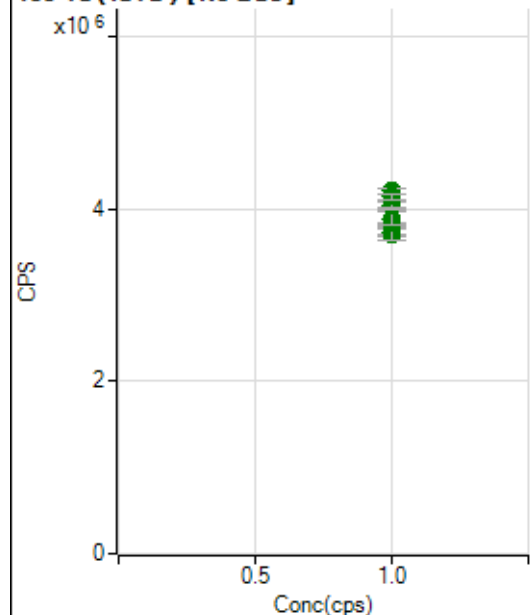
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2359057.22 |       | A        | 2.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2305842.00 |       | A        | 4.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2375338.72 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2315393.58 |       | A        | 3.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2371635.90 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2384838.84 |       | A        | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2353397.99 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2340060.10 |       | A        | 3.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2370982.48 |       | A        | 1.3 |

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

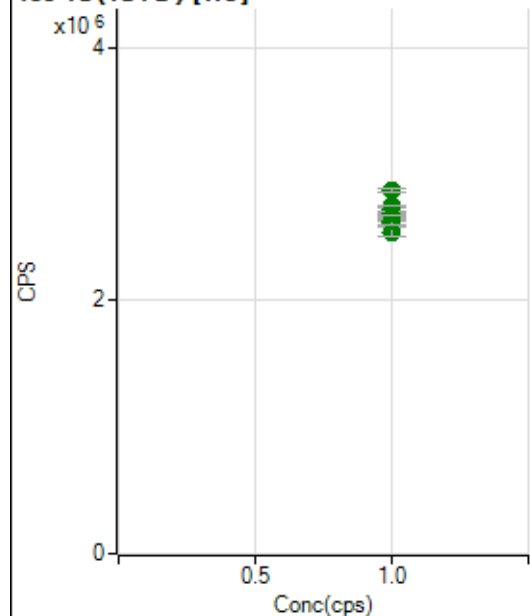
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3790832.89 |       | A        | 2.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3838084.19 |       | A        | 2.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3803072.02 |       | A        | 2.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3786996.72 |       | A        | 2.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3789803.10 |       | A        | 2.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3924784.78 |       | A        | 3.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4030379.31 |       | A        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3798656.20 |       | A        | 1.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3921139.96 |       | A        | 2.3 |

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

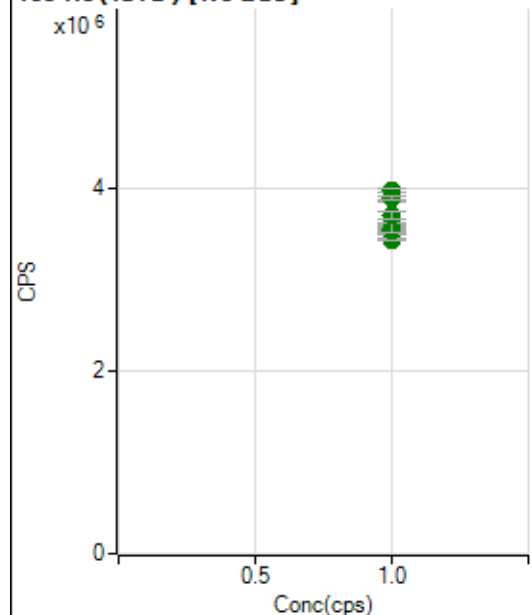
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 781551.74 |       | P        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 786345.25 |       | P        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 791168.32 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 754370.57 |       | P        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 782281.55 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 774462.26 |       | P        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 769423.64 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 764765.82 |       | P        | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 833204.34 |       | P        | 0.5 |

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

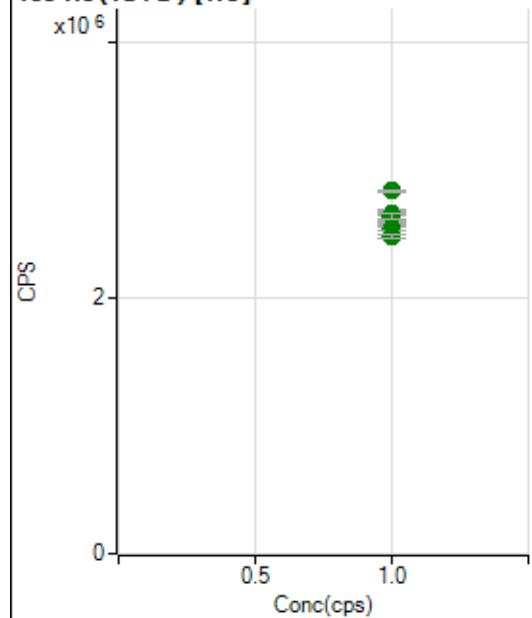
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3804602.48 |       | A        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3692749.35 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3720310.71 |       | A        | 4.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3838322.86 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3892823.00 |       | A        | 3.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4032092.41 |       | A        | 2.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4209633.55 |       | A        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4100282.58 |       | A        | 3.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4142186.74 |       | A        | 1.9 |

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

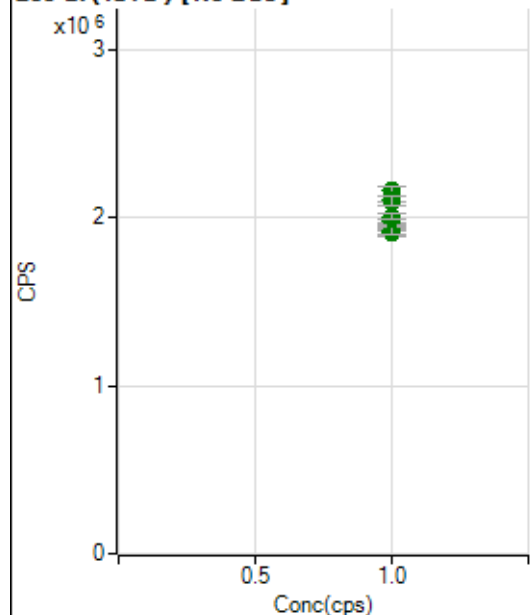
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2617500.85 |       | A        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2602652.60 |       | A        | 1.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2604702.58 |       | A        | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2543780.93 |       | A        | 3.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2626260.19 |       | A        | 2.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2718020.03 |       | A        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2692656.58 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2750949.86 |       | A        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2867226.38 |       | A        | 1.2 |

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

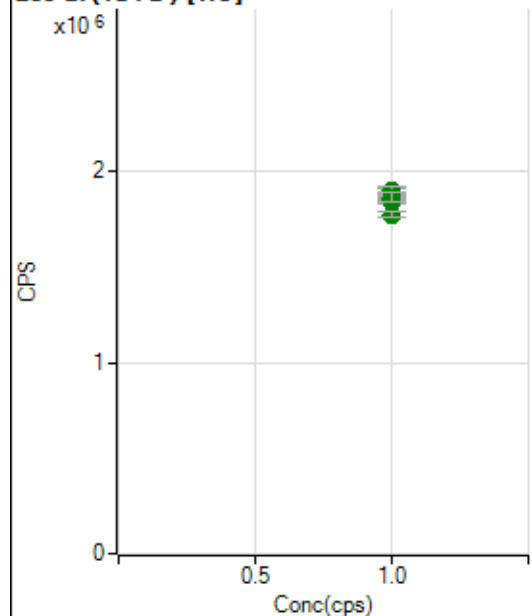
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3441441.31 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3634197.13 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3569261.80 |       | A        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3532899.39 |       | A        | 1.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3567181.72 |       | A        | 2.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3709207.24 |       | A        | 2.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3975502.13 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3928648.57 |       | A        | 3.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3896621.10 |       | A        | 0.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2566368.24 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2549457.56 |       | A        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2607520.02 |       | A        | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2486623.33 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2628189.73 |       | A        | 1.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2645290.91 |       | A        | 2.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2668617.95 |       | A        | 1.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2643958.33 |       | A        | 1.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2841444.43 |       | A        | 0.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1917107.16 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1977921.90 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1915570.82 |       | A        | 2.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1924145.18 |       | A        | 2.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1991305.21 |       | A        | 3.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2094487.71 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2160122.45 |       | A        | 2.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2105725.68 |       | A        | 2.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2009220.30 |       | A        | 1.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1855129.87 |       | A        | 2.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1842744.95 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1873947.87 |       | A        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1774075.86 |       | A        | 2.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1854495.51 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1896676.67 |       | A        | 2.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1896115.22 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1896595.86 |       | A        | 2.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1864136.58 |       | A        | 2.9 |

# US EPA Tune Check Report

**Operator Name** Jaswal  
**Acq/Data Batch** D:\Agilent\ICPMH\1\DATA\IP8031222-MS.b  
**Acq. Date-Time** 2022-03-12 10:42:04  
**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    |              | 8356  | 83561.54  |                            |             | 0.472  | 5.000           |
| 24   |              | 51588 | 515884.81 |                            |             | 0.267  | 5.000           |
| 25   |              | 6947  | 69470.52  |                            |             | 0.793  | 5.000           |
| 26   |              | 8143  | 81432.62  |                            |             | 0.807  | 5.000           |
| 59   |              | 14826 | 148259.43 |                            |             | 0.572  | 5.000           |
| 113  |              | 5036  | 50362.35  |                            |             | 0.665  | 5.000           |
| 115  |              | 15810 | 158101.48 |                            |             | 0.246  | 5.000           |
| 206  |              | 5030  | 50301.17  |                            |             | 0.813  | 5.000           |
| 207  |              | 4220  | 42195.63  |                            |             | 1.222  | 5.000           |
| 208  |              | 10408 | 104084.47 |                            |             | 1.053  | 5.000           |
| 220  |              | 1     | 12.80     |                            |             | 15.527 |                 |

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

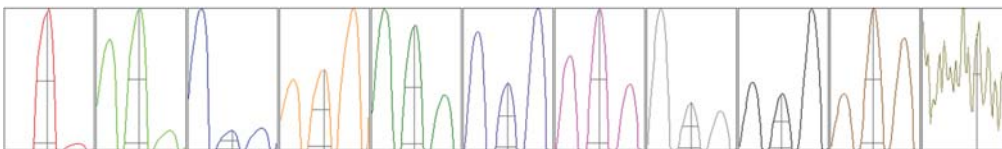
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 8373        | 8289        | 8379        | 8353        | 8387        |
| 24   | 51703       | 51532       | 51398       | 51739       | 51569       |
| 25   | 6920        | 6933        | 6888        | 6960        | 7034        |
| 26   | 8055        | 8148        | 8102        | 8216        | 8194        |
| 59   | 14791       | 14825       | 14778       | 14972       | 14763       |
| 113  | 4993        | 5007        | 5055        | 5067        | 5059        |
| 115  | 15758       | 15790       | 15861       | 15824       | 15818       |
| 206  | 4991        | 4999        | 5052        | 5018        | 5090        |
| 207  | 4179        | 4156        | 4275        | 4226        | 4262        |
| 208  | 10235       | 10389       | 10486       | 10417       | 10516       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 14782.83    | 8.95   | 8.90 - 9.10     |             |
| 24   | 91053.59    | 23.95  | 23.90 - 24.10   |             |
| 25   | 12263.28    | 25.00  | 24.90 - 25.10   |             |
| 26   | 13831.08    | 26.00  | 25.90 - 26.10   |             |
| 59   | 27606.98    | 58.95  | 58.90 - 59.10   |             |
| 113  | 10016.32    | 113.00 | 112.90 - 113.10 |             |
| 115  | 31593.54    | 115.00 | 114.90 - 115.10 |             |
| 206  | 10048.73    | 206.00 | 205.90 - 206.10 |             |
| 207  | 8242.87     | 206.95 | 206.90 - 207.10 |             |
| 208  | 20847.94    | 207.95 | 207.90 - 208.10 |             |
| 220  | 1.50        | 220.35 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.60  | 0.739 | 0.900           |             |
| 24   | 0.61  | 0.781 | 0.900           |             |
| 25   | 0.60  | 0.784 | 0.900           |             |
| 26   | 0.61  | 0.782 | 0.900           |             |
| 59   | 0.56  | 0.736 | 0.900           |             |
| 113  | 0.53  | 0.692 | 0.900           |             |
| 115  | 0.52  | 0.718 | 0.900           |             |
| 206  | 0.53  | 0.742 | 0.900           |             |
| 207  | 0.53  | 0.745 | 0.900           |             |
| 208  | 0.52  | 0.765 | 0.900           |             |
| 220  | 0.25  |       |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

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

# US EPA Tune Check Report

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

## Lens Parameters

|            |          |               |        |            |        |
|------------|----------|---------------|--------|------------|--------|
| Extract 1  | -6.0 V   | Omega Lens    | 10.2 V | Deflect    | 14.6 V |
| Extract 2  | -210.0 V | Cell Entrance | -30 V  | Plate Bias | -50 V  |
| Omega Bias | -105 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      | 120 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 0.9992 | QP Bias | -4.0 V |
| Mass Offset | 125 | Axis Offset | -0.04  |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 1.0 mm | Torch V | -0.8 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.9 mV | Analog HV | 2288 V | Pulse HV | 1640 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 3716  | 37164.68  |                            |             | 0.500 |                 |
| 89   |              | 15685 | 156847.95 |                            |             | 0.681 |                 |
| 205  |              | 14936 | 149357.23 |                            |             | 1.430 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 3698        | 3705        | 3710        | 3726        | 3744        |
| 89   | 15588       | 15641       | 15599       | 15822       | 15774       |
| 205  | 14814       | 14748       | 14789       | 15224       | 15103       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

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

## Lens Parameters

|           |        |            |        |         |       |
|-----------|--------|------------|--------|---------|-------|
| Extract 1 | -6.0 V | Omega Lens | 10.2 V | Deflect | 5.0 V |
|-----------|--------|------------|--------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -210.0 V | Cell Entrance | -50 V | Plate Bias | -60 V |
| Omega Bias | -105 V   | Cell Exit     | -70 V |            |       |

## Cell Parameters

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

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 123 | Axis Gain   | 0.9992 | QP Bias | -13.0 V |
| Mass Offset | 125 | Axis Offset | -0.04  |         |         |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 1.0 mm | Torch V | -0.8 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.9 mV | Analog HV | 2288 V | Pulse HV | 1640 V |
|---------------|--------|-----------|--------|----------|--------|