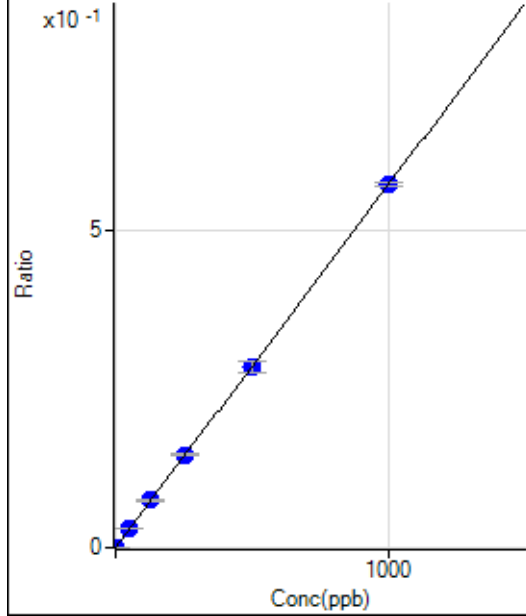


# Calibration for 009CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7050823-MS.b\  
 Analysis File: P7050823-MS.batch.bin  
 DA Date-Time: 2023-05-09 01:29:41  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2023-05-08 13:41:27 |
| 2     | 005CALS.d          | S02         | 2023-05-08 13:44:42 |
| 3     | 006CALS.d          | S03         | 2023-05-08 13:47:58 |
| 4     | 007CALS.d          | S04         | 2023-05-08 13:51:06 |
| 5     | 008CALS.d          | S05         | 2023-05-08 13:54:07 |
| 6     | 009CALS.d          | S06         | 2023-05-08 13:57:00 |
| 7     | 010CALS.d          | S07         | 2023-05-08 13:59:49 |
| 8     | 011CALS.d          | S08         | 2023-05-08 14:02:34 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 46.67     | 0.0000 | P   | 20.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.044      | 884.48    | 0.0006 | P   | 8.1  |
| 3 | <input type="checkbox"/> | 50.000   | 53.322     | 42470.14  | 0.0305 | P   | 1.6  |
| 4 | <input type="checkbox"/> | 125.000  | 130.002    | 101506.60 | 0.0743 | P   | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 255.650    | 192815.62 | 0.1461 | P   | 2.2  |
| 6 | <input type="checkbox"/> | 500.000  | 496.939    | 369766.97 | 0.2839 | P   | 5.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.327    | 716761.00 | 0.5710 | P   | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 503.35    | 0.0004 | P   | 13.4 |

$$y = 5.7132\text{E-}004 * x + 3.3407\text{E-}005$$

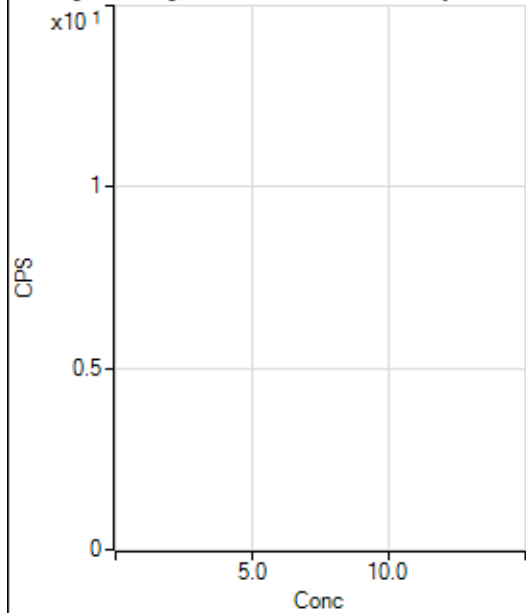
$$R = 1.0000$$

$$DL = 0.0359$$

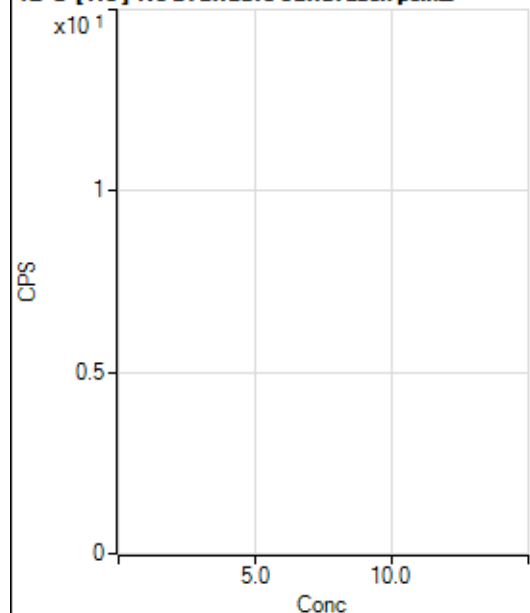
$$BEC = 0.05847$$

Weight: &lt;None&gt;

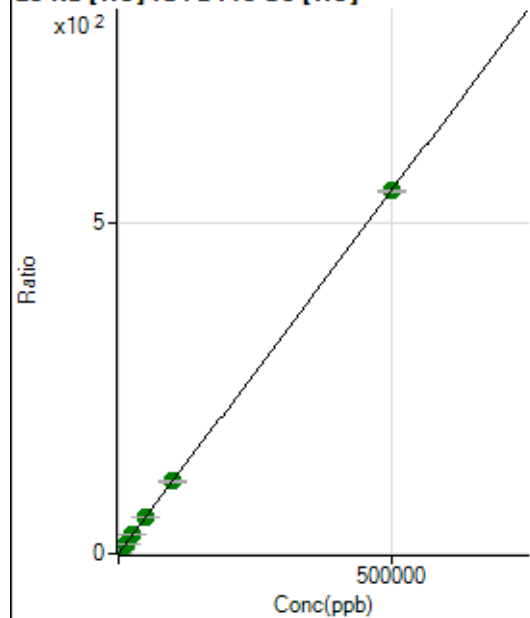
Min Conc: 0

**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"/> |       |            |     |       |     |     |
| 2 | <input type="checkbox"/> |       |            |     |       |     |     |
| 3 | <input type="checkbox"/> |       |            |     |       |     |     |
| 4 | <input type="checkbox"/> |       |            |     |       |     |     |
| 5 | <input type="checkbox"/> |       |            |     |       |     |     |
| 6 | <input type="checkbox"/> |       |            |     |       |     |     |
| 7 | <input type="checkbox"/> |       |            |     |       |     |     |
| 8 | <input type="checkbox"/> |       |            |     |       |     |     |

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

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

**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      | 6807.13     | 0.0270   | P        | 2.8  |
| 2 | <input type="checkbox"/> | 500.000   | 542.460    | 158030.70   | 0.6217   | P        | 11.0 |
| 3 | <input type="checkbox"/> | 5000.000  | 5296.876   | 1483882.27  | 5.8344   | A        | 2.2  |
| 4 | <input type="checkbox"/> | 12500.000 | 12612.575  | 3470948.80  | 13.8551  | A        | 2.2  |
| 5 | <input type="checkbox"/> | 25000.000 | 25525.702  | 6923843.23  | 28.0128  | A        | 0.7  |
| 6 | <input type="checkbox"/> | 50000.000 | 51185.041  | 13625724.66 | 56.1451  | A        | 1.1  |
| 7 | <input type="checkbox"/> | 100000.00 | 100091.19  | 26842068.21 | 109.7647 | A        | 2.4  |
| 8 | <input type="checkbox"/> | 500000.00 | 499831.14  | 117489722.7 | 548.0304 | A        | 0.4  |

$$y = 0.0011 * x + 0.0270$$

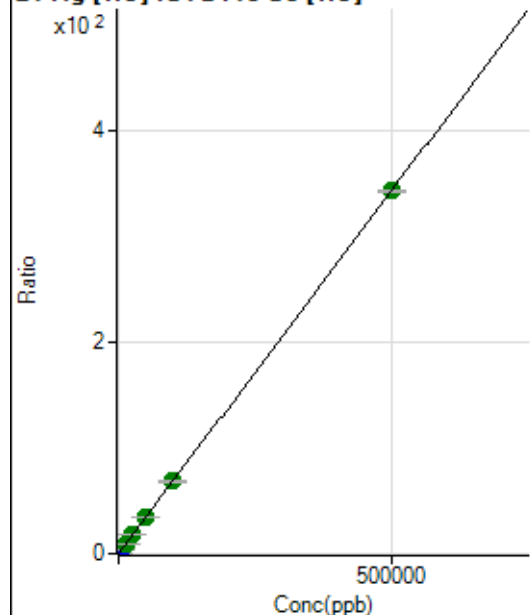
$$R = 1.0000$$

$$DL = 2.076$$

$$BEC = 24.62$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 305.56      | 0.0012   | P   | 18.1 |
| 2 | <input type="checkbox"/> | 500.000   | 535.917    | 93910.91    | 0.3693   | P   | 10.3 |
| 3 | <input type="checkbox"/> | 5000.000  | 5508.504   | 962626.96   | 3.7847   | P   | 1.6  |
| 4 | <input type="checkbox"/> | 12500.000 | 13016.069  | 2239892.97  | 8.9412   | A   | 1.4  |
| 5 | <input type="checkbox"/> | 25000.000 | 25629.485  | 4351239.17  | 17.6045  | A   | 1.1  |
| 6 | <input type="checkbox"/> | 50000.000 | 51099.051  | 8517771.75  | 35.0980  | A   | 1.2  |
| 7 | <input type="checkbox"/> | 100000.00 | 99790.427  | 16762561.14 | 68.5412  | A   | 1.7  |
| 8 | <input type="checkbox"/> | 500000.00 | 499882.51  | 73607916.13 | 343.3401 | A   | 0.2  |

$$y = 6.8684\text{E-}004 * x + 0.0012$$

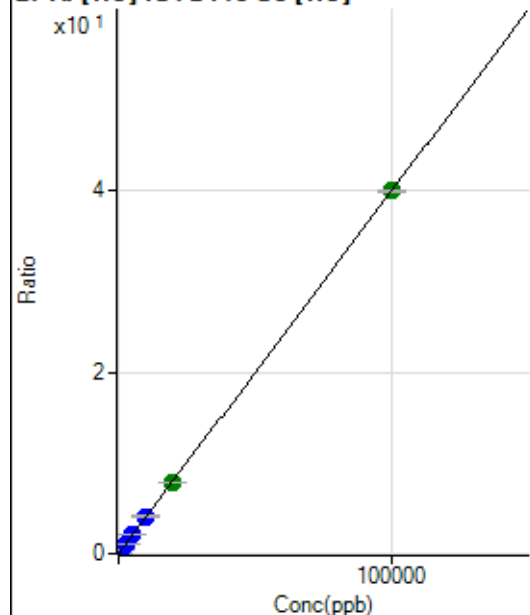
$$R = 1.0000$$

$$DL = 0.9586$$

$$BEC = 1.766$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 50.00      | 0.0002  | P   | 32.4 |
| 2 | <input type="checkbox"/> | 20.000    | 21.650     | 2249.08    | 0.0088  | P   | 9.4  |
| 3 | <input type="checkbox"/> | 1000.000  | 1066.269   | 108300.40  | 0.4258  | P   | 1.8  |
| 4 | <input type="checkbox"/> | 2500.000  | 2571.124   | 257147.21  | 1.0265  | P   | 1.1  |
| 5 | <input type="checkbox"/> | 5000.000  | 5121.762   | 505360.67  | 2.0446  | P   | 0.2  |
| 6 | <input type="checkbox"/> | 10000.000 | 10276.545  | 995474.96  | 4.1021  | P   | 1.8  |
| 7 | <input type="checkbox"/> | 20000.000 | 19629.760  | 1916297.73 | 7.8355  | A   | 1.5  |
| 8 | <input type="checkbox"/> | 100000.00 | 100037.86  | 8560497.03 | 39.9306 | A   | 0.4  |

$$y = 3.9915\text{E-}004 * x + 1.9766\text{E-}004$$

$$R = 1.0000$$

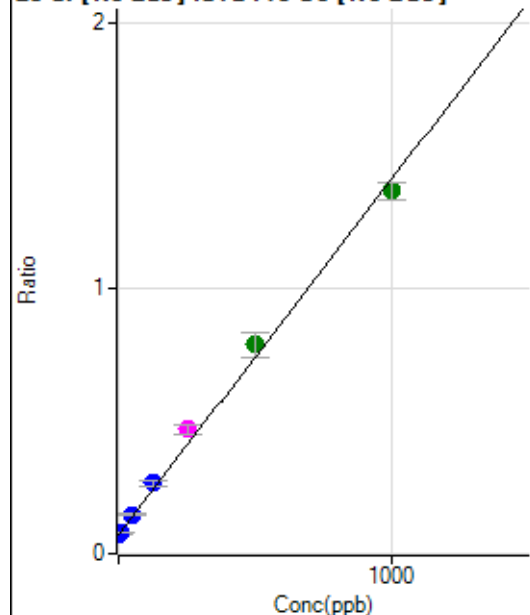
$$DL = 0.4813$$

$$BEC = 0.4952$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 195658.67  | 0.0715 | P   | 1.4  |
| 2 | <input type="checkbox"/> | 10.000   | 4.597      | 215370.64  | 0.0776 | P   | 1.1  |
| 3 | <input type="checkbox"/> | 50.000   | 56.380     | 405487.85  | 0.1471 | P   | 5.5  |
| 4 | <input type="checkbox"/> | 125.000  | 146.240    | 723703.00  | 0.2676 | P   | 7.6  |
| 5 | <input type="checkbox"/> | 250.000  | 297.406    | 1226710.33 | 0.4704 | M   | 7.9  |
| 6 | <input type="checkbox"/> | 500.000  | 535.294    | 2084142.64 | 0.7894 | A   | 11.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 967.582    | 3522323.21 | 1.3693 | A   | 4.5  |
| 8 | <input type="checkbox"/> |          |            | 729082.17  | 0.3125 | P   | 12.2 |

$$y = 0.0013 * x + 0.0715$$

$$R = 0.9975$$

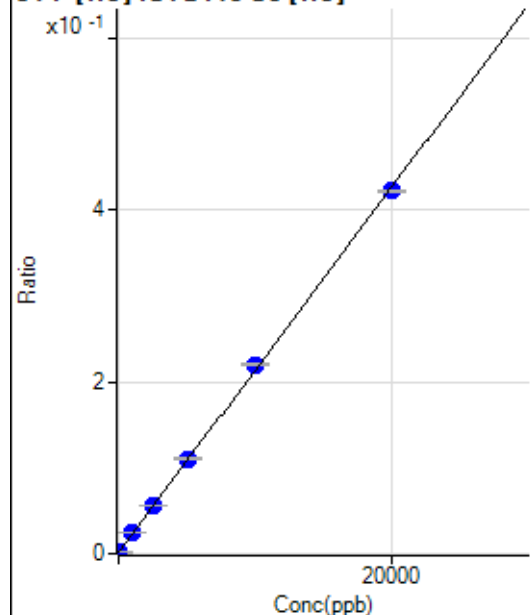
$$DL = 2.165$$

$$BEC = 53.29$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | -7.083     | 283.34    | 0.0011 | P   | 12.8 |
| 2 | <input type="checkbox"/> | 0.000     | 7.083      | 361.12    | 0.0014 | P   | 14.4 |
| 3 | <input type="checkbox"/> | 1000.000  | 1063.703   | 6070.14   | 0.0239 | P   | 1.7  |
| 4 | <input type="checkbox"/> | 2500.000  | 2574.515   | 14017.61  | 0.0560 | P   | 1.7  |
| 5 | <input type="checkbox"/> | 5000.000  | 5130.033   | 27244.30  | 0.1102 | P   | 1.3  |
| 6 | <input type="checkbox"/> | 10000.000 | 10278.829  | 53291.26  | 0.2196 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 20000.000 | 19815.578  | 103246.18 | 0.4221 | P   | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 302.23    | 0.0014 | P   | 13.7 |

$$y = 2.1239E-005 * x + 0.0013$$

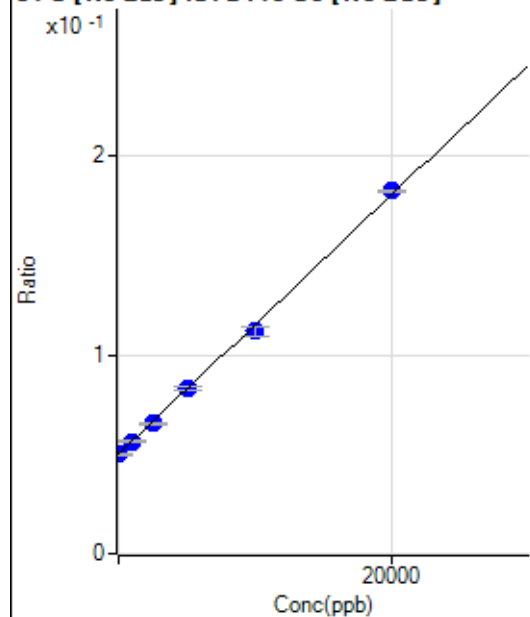
$$R = 0.9998$$

$$DL = 24.61$$

$$BEC = 59.93$$

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 | RSD |
|---|--------------------------|-----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 1.319      | 137547.06 | 0.0502 | P   | 1.7 |
| 2 | <input type="checkbox"/> | 0.000     | -1.319     | 139311.48 | 0.0502 | P   | 2.1 |
| 3 | <input type="checkbox"/> | 1000.000  | 955.116    | 155724.20 | 0.0565 | P   | 1.7 |
| 4 | <input type="checkbox"/> | 2500.000  | 2364.208   | 177723.52 | 0.0657 | P   | 1.6 |
| 5 | <input type="checkbox"/> | 5000.000  | 5043.866   | 217062.30 | 0.0832 | P   | 1.9 |
| 6 | <input type="checkbox"/> | 10000.000 | 9453.214   | 296068.85 | 0.1120 | P   | 4.4 |
| 7 | <input type="checkbox"/> | 20000.000 | 20281.645  | 469885.22 | 0.1826 | P   | 0.9 |
| 8 | <input type="checkbox"/> |           |            | 112533.84 | 0.0481 | P   | 3.1 |

$$y = 6.5288\text{E-}006 * x + 0.0502$$

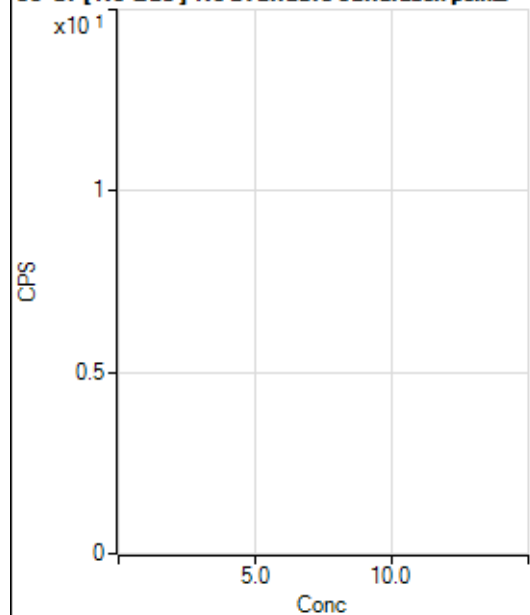
$$R = 0.9994$$

$$DL = 434.7$$

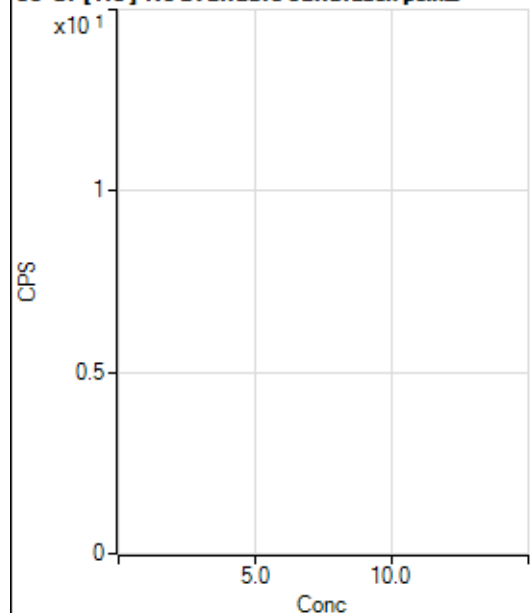
$$BEC = 7694$$

Weight: &lt;None&gt;

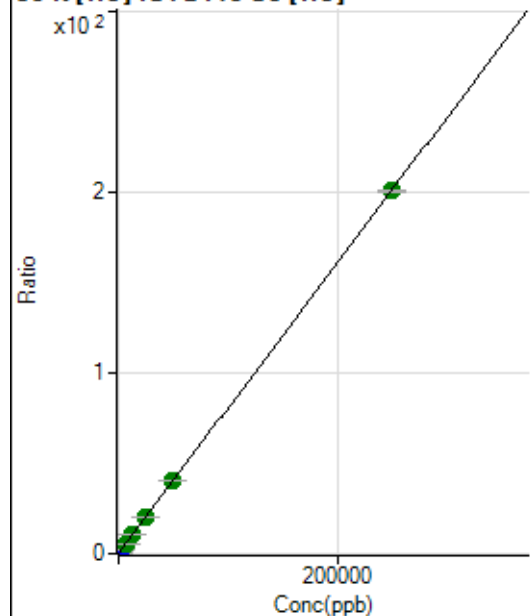
Min Conc: 0

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

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

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

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

**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      | 41724.88    | 0.1654   | P        | 2.5  |
| 2 | <input type="checkbox"/> | 500.000   | 548.097    | 154103.76   | 0.6060   | P        | 10.3 |
| 3 | <input type="checkbox"/> | 2500.000  | 2818.836   | 618418.81   | 2.4314   | P        | 1.9  |
| 4 | <input type="checkbox"/> | 6250.000  | 6334.621   | 1317143.59  | 5.2577   | A        | 1.5  |
| 5 | <input type="checkbox"/> | 12500.000 | 12810.674  | 2586362.62  | 10.4637  | A        | 0.9  |
| 6 | <input type="checkbox"/> | 25000.000 | 25346.568  | 4984792.98  | 20.5411  | A        | 2.0  |
| 7 | <input type="checkbox"/> | 50000.000 | 50227.958  | 9915417.91  | 40.5429  | A        | 1.5  |
| 8 | <input type="checkbox"/> | 250000.00 | 249898.81  | 43104818.25 | 201.0551 | A        | 0.3  |

$$y = 8.0388\text{E-}004 * x + 0.1654$$

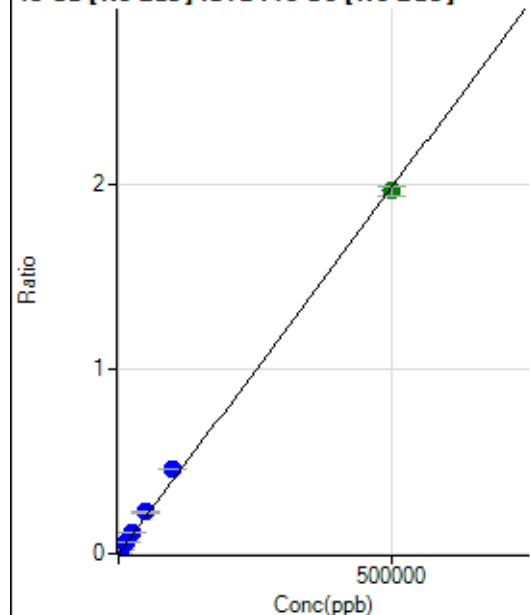
$$R = 1.0000$$

$$DL = 15.58$$

$$BEC = 205.8$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 48.89      | 0.0000 | P   | 14.7 |
| 2 | <input type="checkbox"/> | 500.000   | 543.286    | 6014.58    | 0.0022 | P   | 2.7  |
| 3 | <input type="checkbox"/> | 5000.000  | 5911.634   | 64567.79   | 0.0234 | P   | 2.4  |
| 4 | <input type="checkbox"/> | 12500.000 | 14712.402  | 157628.90  | 0.0582 | P   | 2.3  |
| 5 | <input type="checkbox"/> | 25000.000 | 29379.724  | 303545.74  | 0.1163 | P   | 2.2  |
| 6 | <input type="checkbox"/> | 50000.000 | 56995.992  | 596532.22  | 0.2256 | P   | 5.1  |
| 7 | <input type="checkbox"/> | 100000.00 | 115982.89  | 1180985.29 | 0.4591 | P   | 1.6  |
| 8 | <input type="checkbox"/> | 500000.00 | 495820.36  | 4587762.50 | 1.9625 | A   | 2.8  |

$$y = 3.9580E-006 * x + 1.7868E-005$$

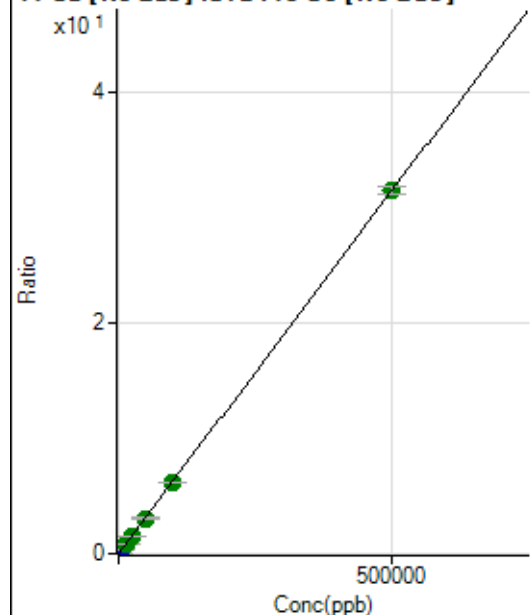
$$R = 0.9994$$

$$DL = 1.993$$

$$BEC = 4.514$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 4074.39     | 0.0015  | P   | 3.7 |
| 2 | <input type="checkbox"/> | 500.000   | 544.277    | 98819.50    | 0.0356  | P   | 0.5 |
| 3 | <input type="checkbox"/> | 5000.000  | 5386.121   | 935549.76   | 0.3393  | P   | 2.2 |
| 4 | <input type="checkbox"/> | 12500.000 | 12402.843  | 2109478.40  | 0.7793  | A   | 0.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 24661.995  | 4040481.81  | 1.5482  | A   | 2.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 47982.988  | 7961868.95  | 3.0107  | A   | 4.5 |
| 7 | <input type="checkbox"/> | 100000.00 | 98715.728  | 15930918.34 | 6.1924  | A   | 0.8 |
| 8 | <input type="checkbox"/> | 500000.00 | 500473.97  | 73387909.72 | 31.3887 | A   | 2.2 |

$$y = 6.2715E-005 * x + 0.0015$$

$$R = 1.0000$$

$$DL = 2.668$$

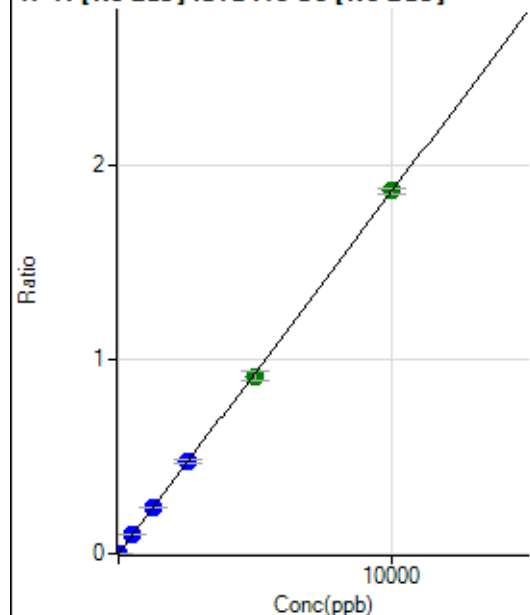
$$BEC = 23.73$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 46.67      | 0.0000 | P        | 24.4 |
| 2 | <input type="checkbox"/> | 5.000     | 5.035      | 2651.37    | 0.0010 | P        | 3.1  |
| 3 | <input type="checkbox"/> | 500.000   | 512.756    | 263625.80  | 0.0956 | P        | 2.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1273.961   | 642721.62  | 0.2375 | P        | 2.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2547.391   | 1239452.65 | 0.4749 | P        | 2.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 4911.595   | 2421126.99 | 0.9157 | A        | 5.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 10028.722  | 4809662.88 | 1.8696 | A        | 1.6  |
| 8 | <input type="checkbox"/> |           |            | 1727.97    | 0.0007 | P        | 30.3 |

$$y = 1.8642\text{E-}004 * x + 1.7038\text{E-}005$$

$$R = 0.9999$$

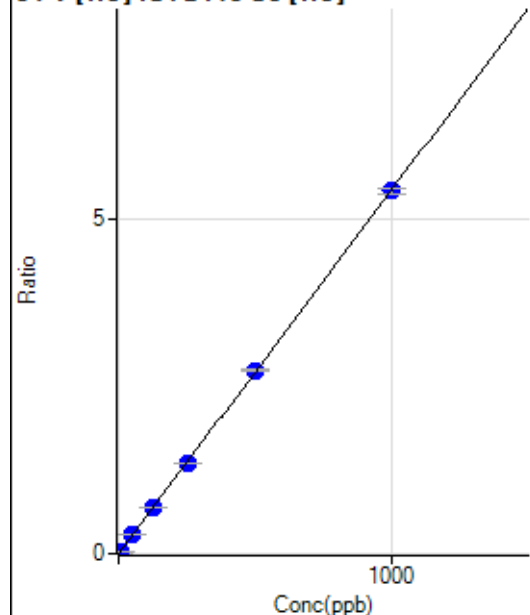
$$DL = 0.06687$$

$$BEC = 0.09139$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3.33       | 0.0000 | P        | 99.0 |
| 2 | <input type="checkbox"/> | 5.000    | 5.078      | 7006.11    | 0.0275 | P        | 8.8  |
| 3 | <input type="checkbox"/> | 50.000   | 51.632     | 71148.61   | 0.2797 | P        | 1.9  |
| 4 | <input type="checkbox"/> | 125.000  | 125.309    | 170073.67  | 0.6789 | P        | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 249.434    | 334005.50  | 1.3514 | P        | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 504.054    | 662722.09  | 2.7308 | P        | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.994    | 1322290.16 | 5.4068 | P        | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 435.57     | 0.0020 | P        | 13.9 |

$$y = 0.0054 * x + 1.3187\text{E-}005$$

$$R = 1.0000$$

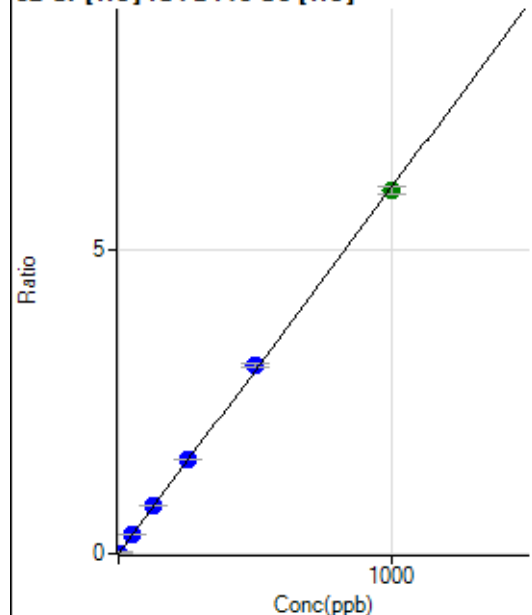
$$DL = 0.007231$$

$$BEC = 0.002434$$

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      | 670.02     | 0.0027 | P   | 2.6  |
| 2 | <input type="checkbox"/> | 2.000    | 2.049      | 3799.40    | 0.0150 | P   | 12.8 |
| 3 | <input type="checkbox"/> | 50.000   | 53.580     | 82550.80   | 0.3246 | P   | 1.9  |
| 4 | <input type="checkbox"/> | 125.000  | 128.473    | 194028.53  | 0.7745 | P   | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 256.918    | 382164.35  | 1.5462 | P   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 514.641    | 750996.72  | 3.0946 | P   | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.337    | 1455695.46 | 5.9526 | A   | 2.1  |
| 8 | <input type="checkbox"/> |          |            | 10572.65   | 0.0493 | P   | 1.5  |

$$y = 0.0060 * x + 0.0027$$

$$R = 0.9998$$

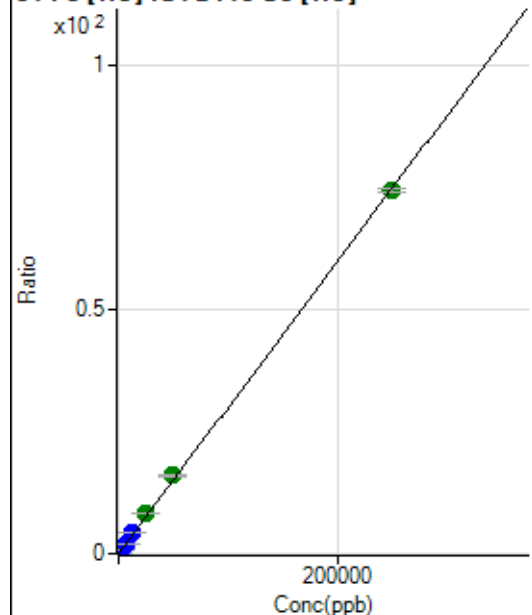
$$DL = 0.03474$$

$$BEC = 0.4421$$

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      | 1187.84     | 0.0047  | P   | 3.4 |
| 2 | <input type="checkbox"/> | 50.000    | 60.439     | 5790.05     | 0.0228  | P   | 9.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2978.961   | 227510.33   | 0.8945  | P   | 2.3 |
| 4 | <input type="checkbox"/> | 6250.000  | 7202.536   | 540140.28   | 2.1561  | P   | 0.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 14366.848  | 1061867.04  | 4.2961  | P   | 0.9 |
| 6 | <input type="checkbox"/> | 25000.000 | 27383.708  | 1986153.49  | 8.1843  | A   | 1.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 53886.117  | 3937266.33  | 16.1006 | A   | 2.4 |
| 8 | <input type="checkbox"/> | 250000.00 | 248862.45  | 15936768.37 | 74.3403 | A   | 1.1 |

$$y = 2.9870E-004 * x + 0.0047$$

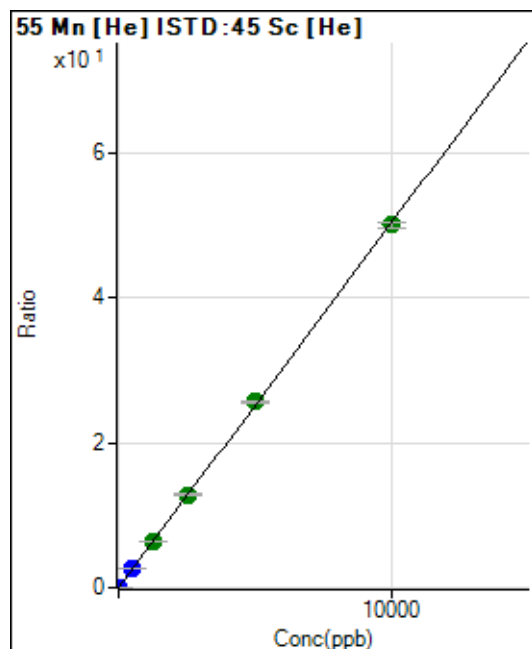
$$R = 0.9998$$

$$DL = 1.629$$

$$BEC = 15.76$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 90.00       | 0.0004  | P        | 16.4 |
| 2 | <input type="checkbox"/> | 1.000     | 1.124      | 1528.98     | 0.0060  | P        | 12.6 |
| 3 | <input type="checkbox"/> | 500.000   | 537.795    | 689108.27   | 2.7093  | P        | 1.6  |
| 4 | <input type="checkbox"/> | 1250.000  | 1265.263   | 1596666.56  | 6.3736  | A        | 1.1  |
| 5 | <input type="checkbox"/> | 2500.000  | 2548.783   | 3173362.70  | 12.8389 | A        | 1.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 5085.021   | 6215919.01  | 25.6142 | A        | 1.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 9941.496   | 12247125.37 | 50.0769 | A        | 1.4  |
| 8 | <input type="checkbox"/> |           |            | 6364.73     | 0.0297  | P        | 2.8  |

$$y = 0.0050 * x + 3.5733E-004$$

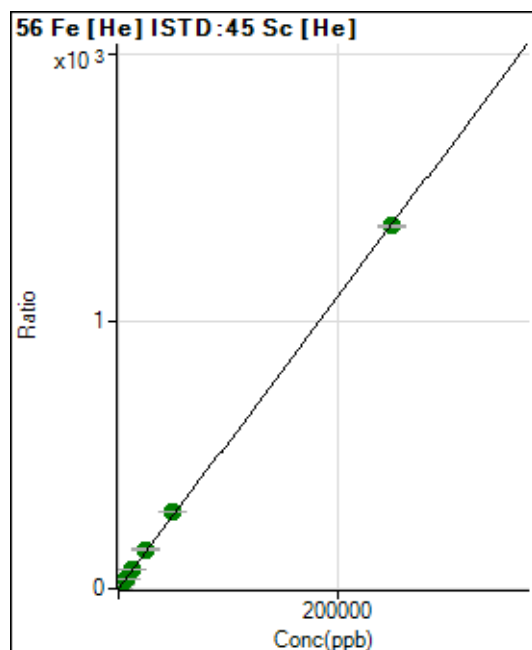
$$R = 0.9999$$

$$DL = 0.03492$$

$$BEC = 0.07094$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio     | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|-----------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 8510.25     | 0.0337    | P        | 2.6  |
| 2 | <input type="checkbox"/> | 50.000    | 57.506     | 88174.19    | 0.3469    | P        | 11.0 |
| 3 | <input type="checkbox"/> | 2500.000  | 2773.018   | 3849488.21  | 15.1348   | A        | 2.0  |
| 4 | <input type="checkbox"/> | 6250.000  | 6800.788   | 9286117.01  | 37.0689   | A        | 1.5  |
| 5 | <input type="checkbox"/> | 12500.000 | 13467.930  | 18136702.09 | 73.3763   | A        | 0.5  |
| 6 | <input type="checkbox"/> | 25000.000 | 26977.233  | 35659503.64 | 146.9441  | A        | 1.9  |
| 7 | <input type="checkbox"/> | 50000.000 | 52637.408  | 70112080.62 | 286.6822  | A        | 1.6  |
| 8 | <input type="checkbox"/> | 250000.00 | 249209.89  | 290948135.6 | 1,357.160 | A        | 0.7  |

$$y = 0.0054 * x + 0.0337$$

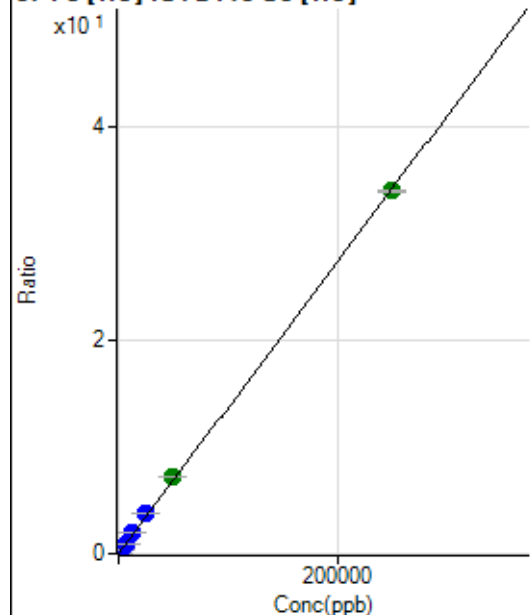
$$R = 0.9999$$

$$DL = 0.4866$$

$$BEC = 6.196$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 287.78     | 0.0011  | P    | 7.4 |
| 2 | <input type="checkbox"/> | 50.000    | 60.789     | 2404.66    | 0.0094  | P    | 5.7 |
| 3 | <input type="checkbox"/> | 2500.000  | 2916.651   | 101431.11  | 0.3988  | P    | 2.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 7062.792   | 241523.78  | 0.9641  | P    | 0.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 13971.631  | 471121.36  | 1.9061  | P    | 0.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 27954.058  | 925229.95  | 3.8125  | P    | 1.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 52776.408  | 1759940.60 | 7.1969  | A    | 2.4 |
| 8 | <input type="checkbox"/> | 250000.00 | 249051.24  | 7280020.93 | 33.9577 | A    | 0.6 |

$$y = 1.3634\text{E-}004 * x + 0.0011$$

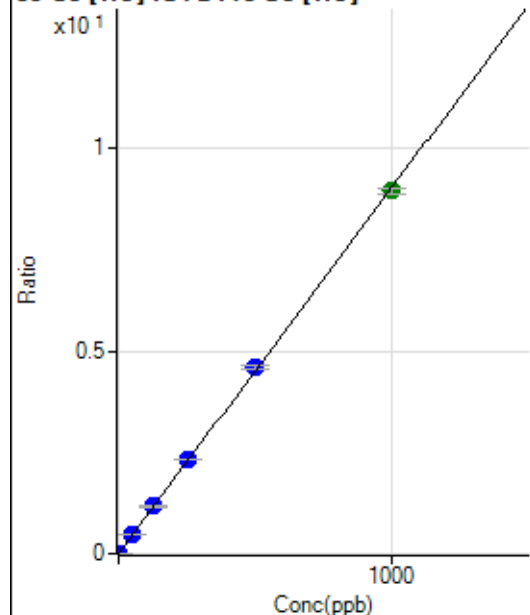
$$R = 0.9999$$

$$DL = 1.85$$

$$BEC = 8.372$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 37.78      | 0.0001 | P    | 24.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.077      | 2515.79    | 0.0099 | P    | 8.6  |
| 3 | <input type="checkbox"/> | 50.000   | 53.684     | 123349.27  | 0.4850 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 128.852    | 291544.46  | 1.1638 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 256.767    | 573168.13  | 2.3189 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 510.678    | 1119245.76 | 4.6119 | P    | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.303    | 2191652.28 | 8.9614 | A    | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 2485.79    | 0.0116 | P    | 5.0  |

$$y = 0.0090 * x + 1.4934\text{E-}004$$

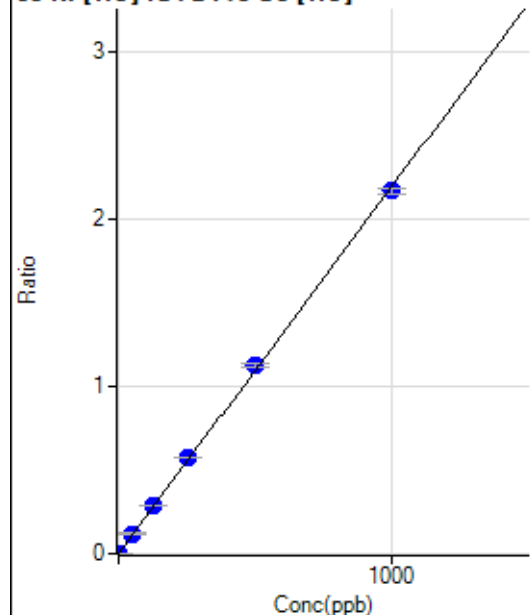
$$R = 0.9999$$

$$DL = 0.01198$$

$$BEC = 0.01654$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00     | 0.0002 | P        | 16.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.143      | 690.02    | 0.0027 | P        | 12.4 |
| 3 | <input type="checkbox"/> | 50.000   | 54.828     | 30675.86  | 0.1206 | P        | 1.8  |
| 4 | <input type="checkbox"/> | 125.000  | 132.605    | 72997.52  | 0.2914 | P        | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 261.100    | 141768.30 | 0.5736 | P        | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 513.661    | 273791.38 | 1.1282 | P        | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.203    | 531298.54 | 2.1725 | P        | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 1817.90   | 0.0085 | P        | 2.7  |

$$y = 0.0022 * x + 1.9785E-004$$

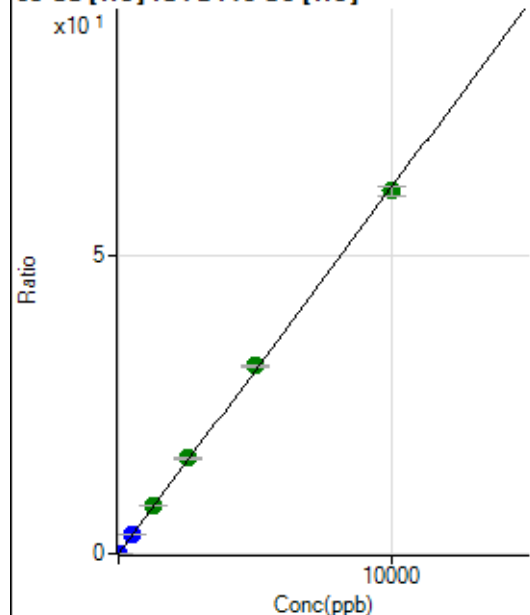
$$R = 0.9998$$

$$DL = 0.04408$$

$$BEC = 0.0901$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 411.12      | 0.0016  | P        | 12.7 |
| 2 | <input type="checkbox"/> | 2.000     | 2.155      | 3780.52     | 0.0148  | P        | 7.5  |
| 3 | <input type="checkbox"/> | 500.000   | 543.137    | 846924.23   | 3.3298  | P        | 1.6  |
| 4 | <input type="checkbox"/> | 1250.000  | 1322.615   | 2030679.67  | 8.1061  | A        | 1.1  |
| 5 | <input type="checkbox"/> | 2500.000  | 2601.343   | 3940263.31  | 15.9417 | A        | 0.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 5122.487   | 7617865.51  | 31.3904 | A        | 1.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 9902.187   | 14838568.53 | 60.6787 | A        | 2.4  |
| 8 | <input type="checkbox"/> |           |            | 2763.61     | 0.0129  | P        | 2.7  |

$$y = 0.0061 * x + 0.0016$$

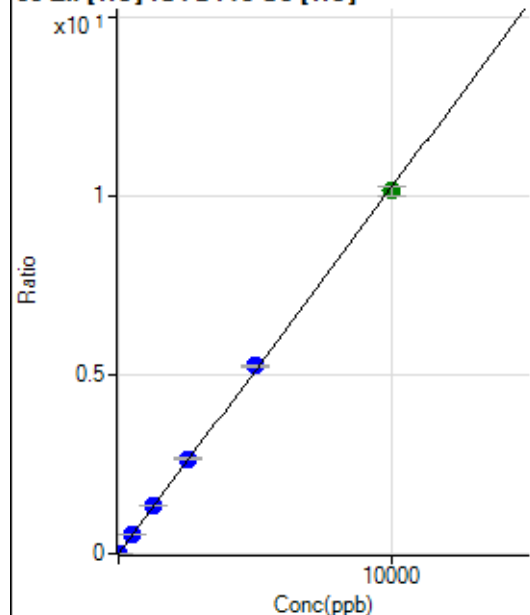
$$R = 0.9998$$

$$DL = 0.1017$$

$$BEC = 0.2662$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 98.89      | 0.0004  | P        | 15.3 |
| 2 | <input type="checkbox"/> | 2.000     | 2.295      | 692.25     | 0.0027  | P        | 24.0 |
| 3 | <input type="checkbox"/> | 500.000   | 543.869    | 141664.29  | 0.5570  | P        | 1.8  |
| 4 | <input type="checkbox"/> | 1250.000  | 1314.597   | 337126.14  | 1.3457  | P        | 0.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2595.948   | 656742.39  | 2.6570  | P        | 0.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 5121.152   | 1271975.32 | 5.2413  | P        | 1.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 9905.169   | 2478947.29 | 10.1372 | A        | 2.5  |
| 8 | <input type="checkbox"/> |           |            | 12776.65   | 0.0596  | P        | 0.3  |

$$y = 0.0010 * x + 3.9261E-004$$

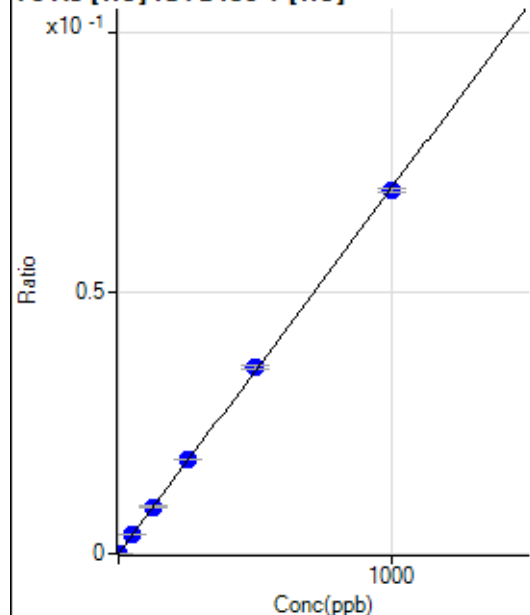
$$R = 0.9998$$

$$DL = 0.1762$$

$$BEC = 0.3836$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.22      | 0.0000 | P        | 86.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.108      | 193.34    | 0.0001 | P        | 17.7 |
| 3 | <input type="checkbox"/> | 50.000   | 51.868     | 9045.04   | 0.0036 | P        | 1.8  |
| 4 | <input type="checkbox"/> | 125.000  | 128.796    | 21934.09  | 0.0090 | P        | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 257.531    | 43685.16  | 0.0180 | P        | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 510.217    | 85555.73  | 0.0357 | P        | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.441    | 168221.58 | 0.0695 | P        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 46.67     | 0.0000 | P        | 21.7 |

$$y = 7.0061E-005 * x + 8.9661E-007$$

$$R = 0.9999$$

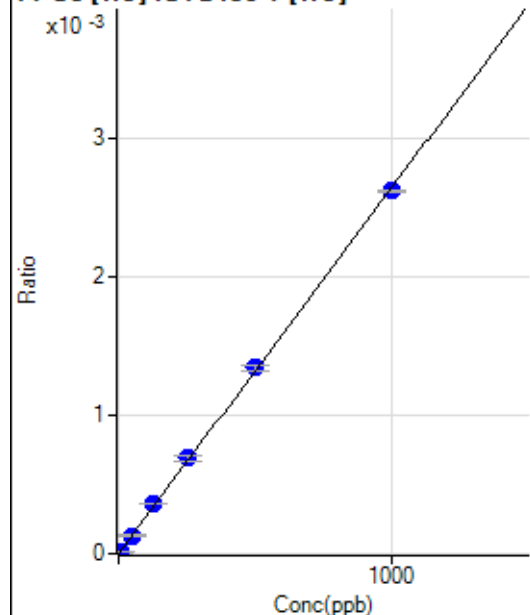
$$DL = 0.03325$$

$$BEC = 0.0128$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS     | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|---------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.11    | 0.0000 | P    | 173. |
| 2 | <input type="checkbox"/> | 5.000    | 5.115      | 34.44   | 0.0000 | P    | 25.6 |
| 3 | <input type="checkbox"/> | 50.000   | 49.076     | 323.34  | 0.0001 | P    | 5.5  |
| 4 | <input type="checkbox"/> | 125.000  | 137.129    | 880.04  | 0.0004 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 260.777    | 1666.78 | 0.0007 | P    | 7.4  |
| 6 | <input type="checkbox"/> | 500.000  | 507.410    | 3203.71 | 0.0013 | P    | 3.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.130    | 6331.41 | 0.0026 | P    | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 6.67    | 0.0000 | P    | 49.8 |

$$y = 2.6372\text{E-}006 * x + 4.5348\text{E-}007$$

R = 0.9998

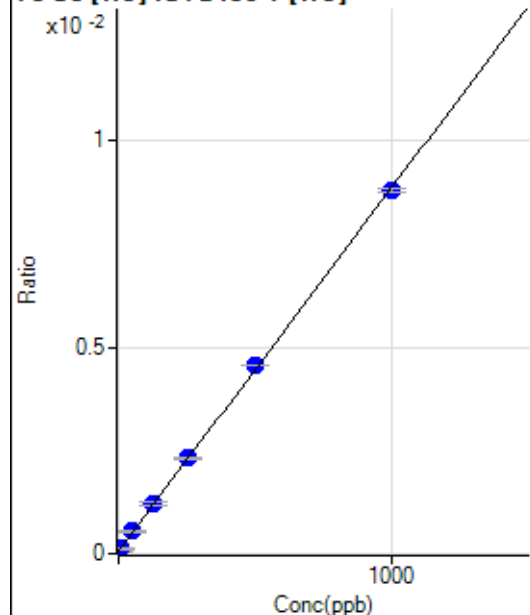
DL = 0.8935

BEC = 0.172

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 155.56   | 0.0001 | P    | 6.0  |
| 2 | <input type="checkbox"/> | 5.000    | 6.149      | 290.01   | 0.0001 | P    | 9.9  |
| 3 | <input type="checkbox"/> | 50.000   | 54.584     | 1351.19  | 0.0005 | P    | 7.8  |
| 4 | <input type="checkbox"/> | 125.000  | 131.050    | 2954.77  | 0.0012 | P    | 10.1 |
| 5 | <input type="checkbox"/> | 250.000  | 256.572    | 5617.78  | 0.0023 | P    | 2.6  |
| 6 | <input type="checkbox"/> | 500.000  | 511.167    | 10914.09 | 0.0046 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.782    | 21260.93 | 0.0088 | P    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 137.78   | 0.0001 | P    | 19.8 |

$$y = 8.7971\text{E-}006 * x + 6.3053\text{E-}005$$

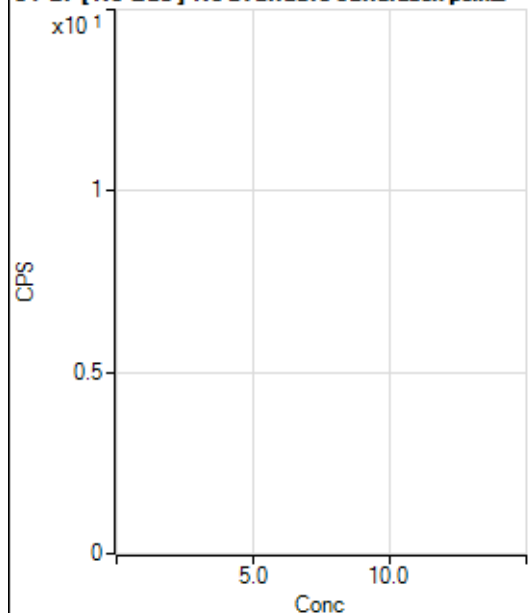
R = 0.9999

DL = 1.282

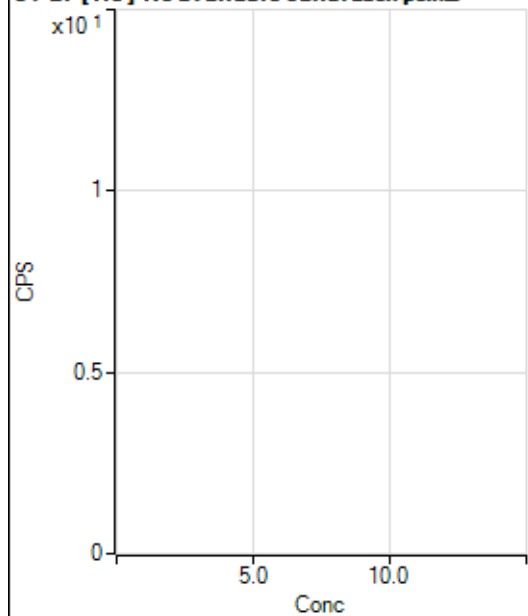
BEC = 7.167

Weight: &lt;None&gt;

Min Conc: 0

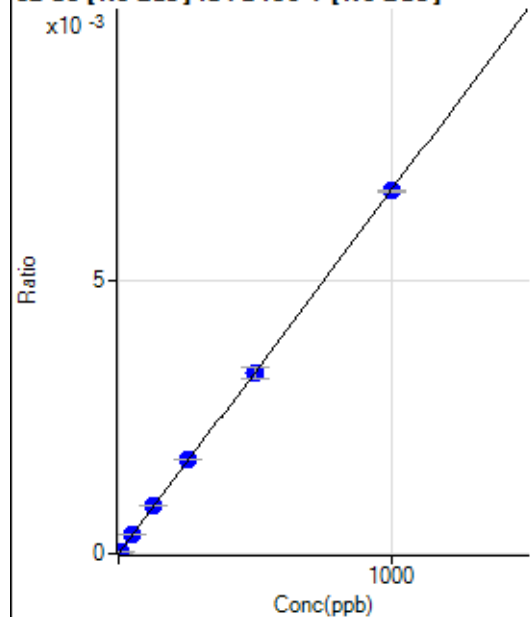
**81 Br [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 30829.03 |       | P        | 1.6 |
| 2 | <input type="checkbox"/> |       |            | 30987.15 |       | P        | 2.0 |
| 3 | <input type="checkbox"/> |       |            | 30357.97 |       | P        | 1.8 |
| 4 | <input type="checkbox"/> |       |            | 30080.70 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> |       |            | 29442.81 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> |       |            | 28798.21 |       | P        | 4.4 |
| 7 | <input type="checkbox"/> |       |            | 29413.90 |       | P        | 1.6 |
| 8 | <input type="checkbox"/> |       |            | 27139.50 |       | P        | 3.5 |

**81 Br [ He ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 53.33 |       | P        | 38.0 |
| 2 | <input type="checkbox"/> |       |            | 65.55 |       | P        | 10.6 |
| 3 | <input type="checkbox"/> |       |            | 45.56 |       | P        | 4.2  |
| 4 | <input type="checkbox"/> |       |            | 47.78 |       | P        | 28.2 |
| 5 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 34.6 |
| 6 | <input type="checkbox"/> |       |            | 55.55 |       | P        | 6.9  |
| 7 | <input type="checkbox"/> |       |            | 57.78 |       | P        | 12.0 |
| 8 | <input type="checkbox"/> |       |            | 51.11 |       | P        | 32.2 |



**82 Se [No Gas] ISTD:89 Y [No Gas]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 14.86    | 0.0000 | P        | 148. |
| 2 | <input type="checkbox"/> | 5.000    | 5.515      | 369.02   | 0.0000 | P        | 7.2  |
| 3 | <input type="checkbox"/> | 50.000   | 52.837     | 3463.88  | 0.0004 | P        | 2.8  |
| 4 | <input type="checkbox"/> | 125.000  | 131.677    | 8415.53  | 0.0009 | P        | 1.7  |
| 5 | <input type="checkbox"/> | 250.000  | 259.626    | 16209.26 | 0.0017 | P        | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 497.572    | 31837.12 | 0.0033 | P        | 5.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.829    | 62463.49 | 0.0066 | P        | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 138.68   | 0.0000 | P        | 31.3 |

$$y = 6.6491E-006 * x + 1.5321E-006$$

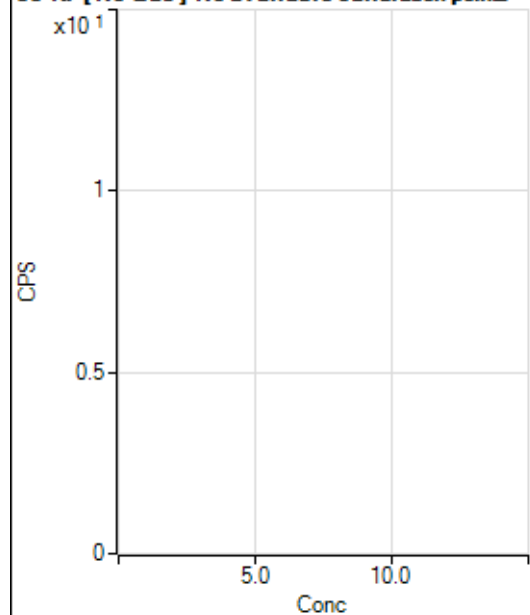
$$R = 0.9999$$

$$DL = 1.027$$

$$BEC = 0.2304$$

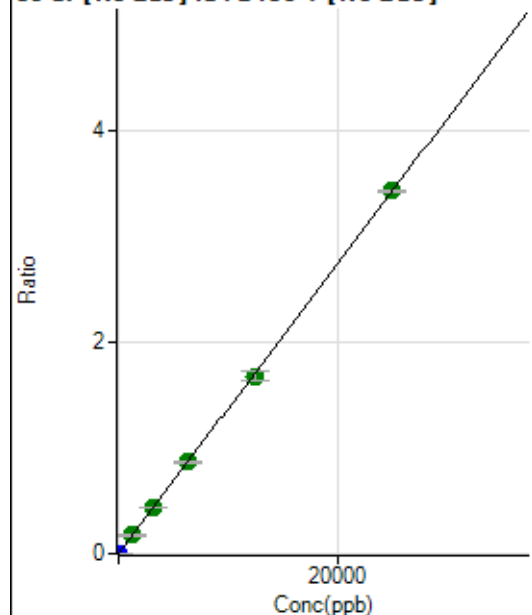
Weight: &lt;None&gt;

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"/> |       |            | 52.22 |       | P        | 28.8 |
| 2 | <input type="checkbox"/> |       |            | 54.44 |       | P        | 31.4 |
| 3 | <input type="checkbox"/> |       |            | 48.89 |       | P        | 34.3 |
| 4 | <input type="checkbox"/> |       |            | 73.33 |       | P        | 31.5 |
| 5 | <input type="checkbox"/> |       |            | 62.22 |       | P        | 16.4 |
| 6 | <input type="checkbox"/> |       |            | 66.67 |       | P        | 10.0 |
| 7 | <input type="checkbox"/> |       |            | 76.66 |       | P        | 7.5  |
| 8 | <input type="checkbox"/> |       |            | 66.67 |       | P        | 25.0 |

86 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      | 85.56       | 0.0000 | P    | 22.4 |
| 2 | <input type="checkbox"/> | 1.000     | 0.985      | 1387.85     | 0.0001 | P    | 0.9  |
| 3 | <input type="checkbox"/> | 1250.000  | 1272.501   | 1709761.52  | 0.1742 | A    | 1.5  |
| 4 | <input type="checkbox"/> | 3125.000  | 3197.482   | 4199229.73  | 0.4377 | A    | 0.8  |
| 5 | <input type="checkbox"/> | 6250.000  | 6336.045   | 8135528.14  | 0.8673 | A    | 2.2  |
| 6 | <input type="checkbox"/> | 12500.000 | 12265.258  | 16149046.15 | 1.6789 | A    | 5.5  |
| 7 | <input type="checkbox"/> | 25000.000 | 25085.675  | 32321662.30 | 3.4337 | A    | 0.4  |
| 8 | <input type="checkbox"/> |           |            | 13790.18    | 0.0016 | P    | 15.2 |

$$y = 1.3688\text{E-}004 * x + 8.8951\text{E-}006$$

$$R = 0.9999$$

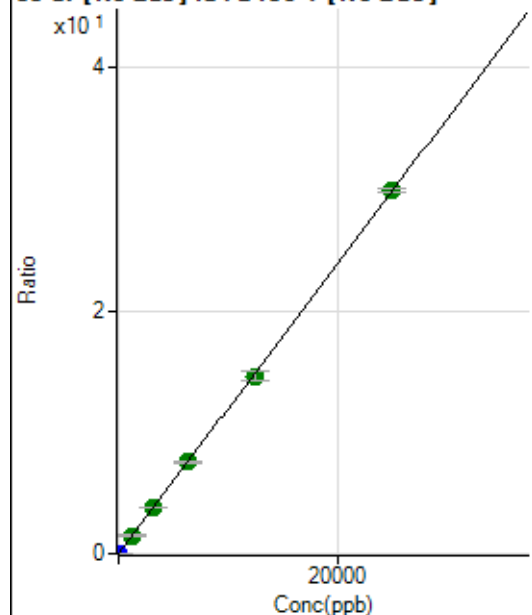
$$DL = 0.04369$$

$$BEC = 0.06498$$

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      | 127.78      | 0.0000  | P    | 26.7 |
| 2 | <input type="checkbox"/> | 1.000     | 0.991      | 11519.03    | 0.0012  | P    | 2.2  |
| 3 | <input type="checkbox"/> | 1250.000  | 1255.674   | 14665230.34 | 1.4941  | A    | 1.6  |
| 4 | <input type="checkbox"/> | 3125.000  | 3142.607   | 35876916.13 | 3.7393  | A    | 0.8  |
| 5 | <input type="checkbox"/> | 6250.000  | 6326.852   | 70622437.84 | 7.5281  | A    | 0.8  |
| 6 | <input type="checkbox"/> | 12500.000 | 12287.790  | 140646753.4 | 14.6209 | A    | 5.2  |
| 7 | <input type="checkbox"/> | 25000.000 | 25084.407  | 280943502.4 | 29.8471 | A    | 1.1  |
| 8 | <input type="checkbox"/> |           |            | 117726.51   | 0.0140  | P    | 16.1 |

$$y = 0.0012 * x + 1.3260\text{E-}005$$

$$R = 0.9999$$

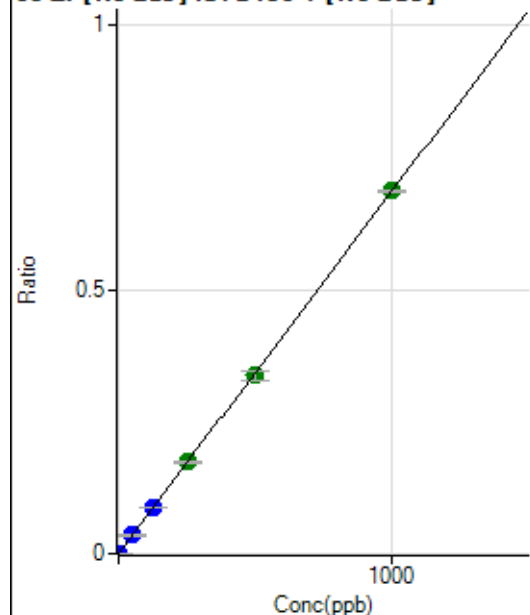
$$DL = 0.008911$$

$$BEC = 0.01114$$

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      | 286.67     | 0.0000 | P    | 17.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.961      | 6643.78    | 0.0007 | P    | 0.9  |
| 3 | <input type="checkbox"/> | 50.000   | 50.513     | 339846.11  | 0.0346 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 125.000  | 127.250    | 836444.37  | 0.0872 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 254.047    | 1632492.01 | 0.1740 | A    | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 491.828    | 3240454.64 | 0.3369 | A    | 5.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.767   | 6464763.17 | 0.6868 | A    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 2646.94    | 0.0003 | P    | 18.0 |

$$y = 6.8488\text{E-}004 * x + 2.9803\text{E-}005$$

$$R = 0.9999$$

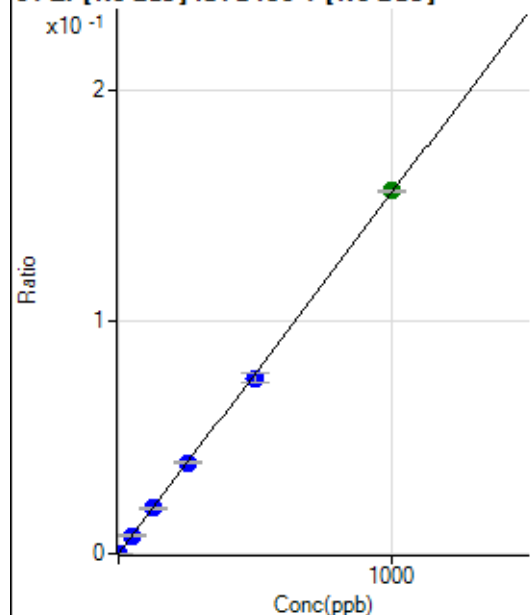
$$DL = 0.0226$$

$$BEC = 0.04352$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 56.67      | 0.0000 | P    | 14.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.915      | 1430.08    | 0.0001 | P    | 3.4  |
| 3 | <input type="checkbox"/> | 50.000   | 50.407     | 76955.95   | 0.0078 | P    | 1.6  |
| 4 | <input type="checkbox"/> | 125.000  | 125.460    | 187143.69  | 0.0195 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 251.864    | 367271.49  | 0.0392 | P    | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 486.849    | 727919.92  | 0.0757 | P    | 5.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.032   | 1471821.96 | 0.1564 | A    | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 545.57     | 0.0001 | P    | 16.6 |

$$y = 1.5542\text{E-}004 * x + 5.8843\text{E-}006$$

$$R = 0.9999$$

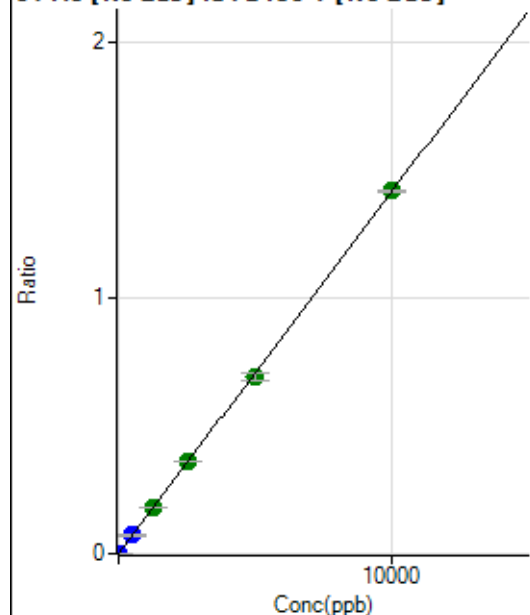
$$DL = 0.01678$$

$$BEC = 0.03786$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 104.45      | 0.0000 | P    | 13.6 |
| 2 | <input type="checkbox"/> | 5.000     | 5.564      | 7696.55     | 0.0008 | P    | 3.1  |
| 3 | <input type="checkbox"/> | 500.000   | 506.090    | 701931.05   | 0.0715 | P    | 1.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1266.262   | 1716459.99  | 0.1789 | A    | 1.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2544.345   | 3372375.09  | 0.3595 | A    | 1.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4906.980   | 6670454.21  | 0.6933 | A    | 4.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 10033.086  | 13342628.14 | 1.4175 | A    | 0.3  |
| 8 | <input type="checkbox"/> |           |            | 5013.16     | 0.0006 | P    | 15.2 |

$$y = 1.4128\text{E-}004 * x + 1.0860\text{E-}005$$

$$R = 0.9999$$

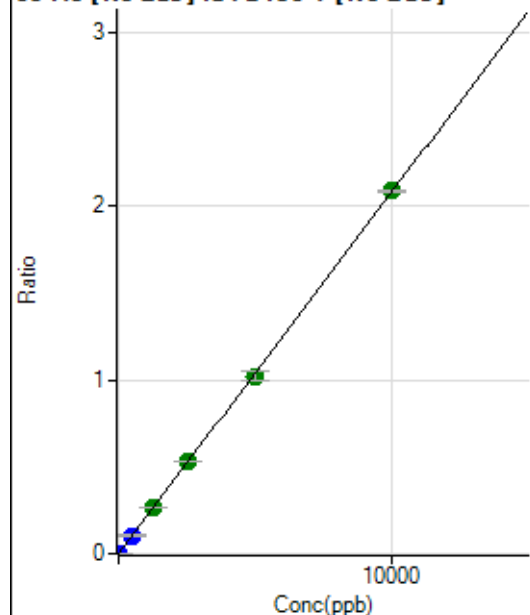
$$DL = 0.03126$$

$$BEC = 0.07687$$

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. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 43.33       | 0.0000 | P    | 20.9 |
| 2 | <input type="checkbox"/> | 5.000     | 4.837      | 9754.43     | 0.0010 | P    | 1.1  |
| 3 | <input type="checkbox"/> | 500.000   | 504.216    | 1028903.19  | 0.1048 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1264.031   | 2521366.52  | 0.2628 | A    | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2540.068   | 4954003.12  | 0.5281 | A    | 0.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 4902.876   | 9804754.65  | 1.0193 | A    | 5.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 10036.581  | 19640519.01 | 2.0866 | A    | 0.2  |
| 8 | <input type="checkbox"/> |           |            | 6730.57     | 0.0008 | P    | 21.0 |

$$y = 2.0790\text{E-}004 * x + 4.5072\text{E-}006$$

$$R = 0.9999$$

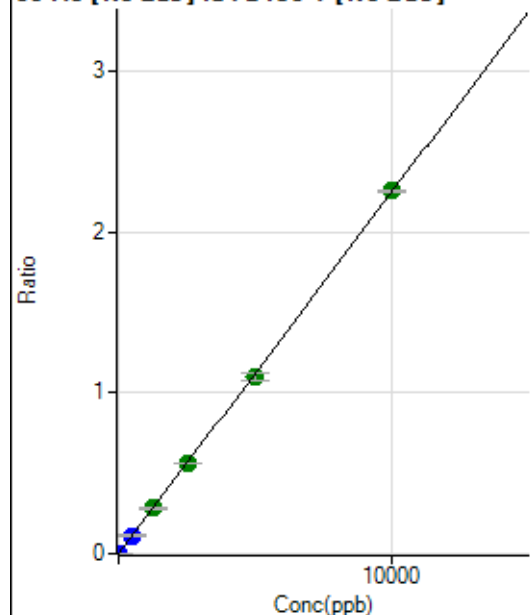
$$DL = 0.01359$$

$$BEC = 0.02168$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 53.33       | 0.0000 | P    | 22.7 |
| 2 | <input type="checkbox"/> | 5.000     | 4.907      | 10681.76    | 0.0011 | P    | 2.3  |
| 3 | <input type="checkbox"/> | 500.000   | 503.898    | 1109462.20  | 0.1130 | P    | 2.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1260.941   | 2713516.28  | 0.2829 | A    | 1.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2509.725   | 5281414.37  | 0.5630 | A    | 0.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 4898.985   | 10570837.69 | 1.0989 | A    | 5.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 10046.514  | 21211278.85 | 2.2536 | A    | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 14708.70    | 0.0017 | P    | 8.8  |

$$y = 2.2431E-004 * x + 5.5435E-006$$

$$R = 0.9999$$

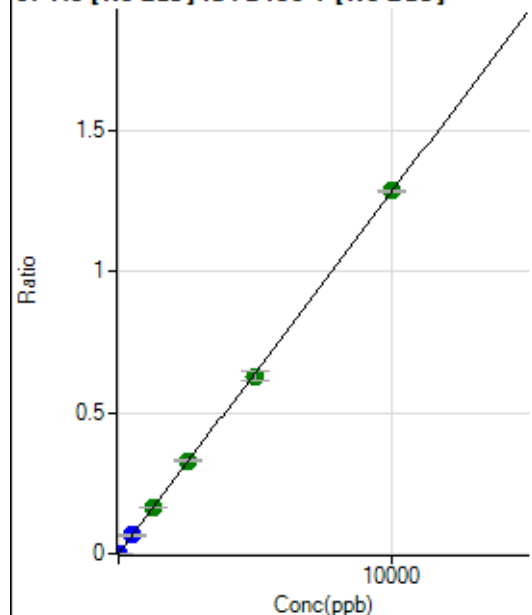
$$DL = 0.01685$$

$$BEC = 0.02471$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 14.44       | 0.0000 | P    | 14.0 |
| 2 | <input type="checkbox"/> | 5.000     | 4.887      | 6063.53     | 0.0006 | P    | 2.7  |
| 3 | <input type="checkbox"/> | 500.000   | 506.490    | 637125.27   | 0.0649 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1265.299   | 1555873.97  | 0.1622 | A    | 1.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2558.278   | 3075641.52  | 0.3279 | A    | 2.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 4899.636   | 6040709.98  | 0.6280 | A    | 5.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 10033.376  | 12103592.46 | 1.2859 | A    | 0.6  |
| 8 | <input type="checkbox"/> |           |            | 4261.80     | 0.0005 | P    | 19.0 |

$$y = 1.2816E-004 * x + 1.5018E-006$$

$$R = 0.9999$$

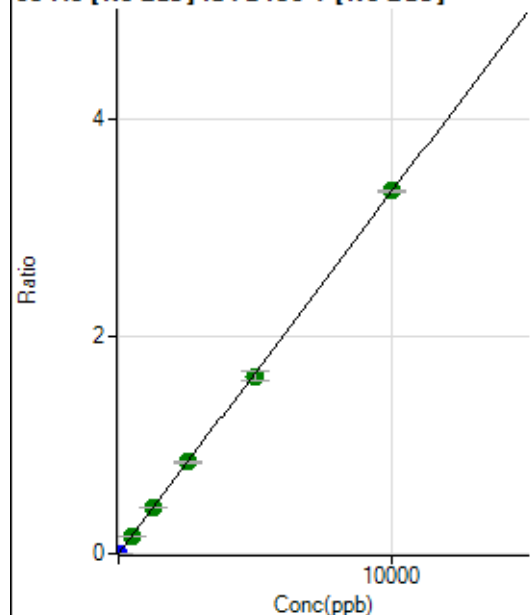
$$DL = 0.004926$$

$$BEC = 0.01172$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 50.00       | 0.0000 | P    | 7.4  |
| 2 | <input type="checkbox"/> | 5.000     | 4.852      | 15648.46    | 0.0016 | P    | 0.8  |
| 3 | <input type="checkbox"/> | 500.000   | 502.402    | 1642000.11  | 0.1673 | A    | 0.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1264.147   | 4037921.40  | 0.4209 | A    | 1.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2538.232   | 7927558.84  | 0.8451 | A    | 1.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 4915.288   | 15739586.43 | 1.6365 | A    | 5.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 10030.909  | 31436297.03 | 3.3397 | A    | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 10564.01    | 0.0013 | P    | 18.7 |

$$y = 3.3294\text{E-}004 * x + 5.1979\text{E-}006$$

$$R = 0.9999$$

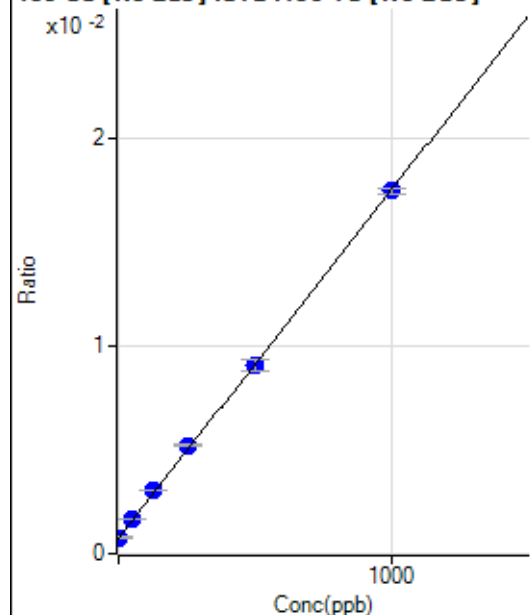
$$DL = 0.003475$$

$$BEC = 0.01561$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4945.34   | 0.0008 | P    | 5.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.760      | 5160.97   | 0.0008 | P    | 4.5 |
| 3 | <input type="checkbox"/> | 50.000   | 54.694     | 10980.90  | 0.0017 | P    | 1.8 |
| 4 | <input type="checkbox"/> | 125.000  | 136.265    | 19779.10  | 0.0030 | P    | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 264.532    | 33653.41  | 0.0052 | P    | 1.7 |
| 6 | <input type="checkbox"/> | 500.000  | 495.380    | 60877.93  | 0.0091 | P    | 6.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 997.033    | 114024.36 | 0.0175 | P    | 1.2 |
| 8 | <input type="checkbox"/> |          |            | 4396.26   | 0.0008 | P    | 2.6 |

$$y = 1.6794\text{E-}005 * x + 7.5530\text{E-}004$$

$$R = 0.9998$$

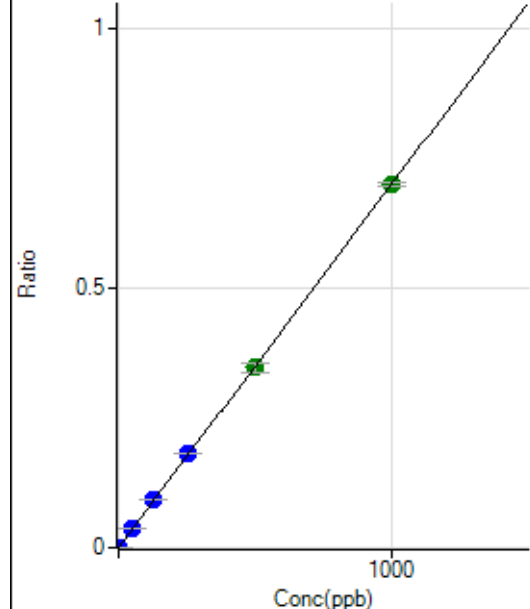
$$DL = 6.902$$

$$BEC = 44.98$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 76.67      | 0.0000 | P   | 24.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.012      | 4743.05    | 0.0007 | P   | 0.7  |
| 3 | <input type="checkbox"/> | 50.000   | 54.642     | 251235.34  | 0.0383 | P   | 2.4  |
| 4 | <input type="checkbox"/> | 125.000  | 133.432    | 607712.61  | 0.0935 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 258.655    | 1173651.44 | 0.1813 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 495.864    | 2331773.80 | 0.3475 | A   | 5.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.618    | 4560353.27 | 0.6998 | A   | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 2343.55    | 0.0004 | P   | 12.9 |

$$y = 7.0078\text{E-}004 * x + 1.1712\text{E-}005$$

$$R = 0.9999$$

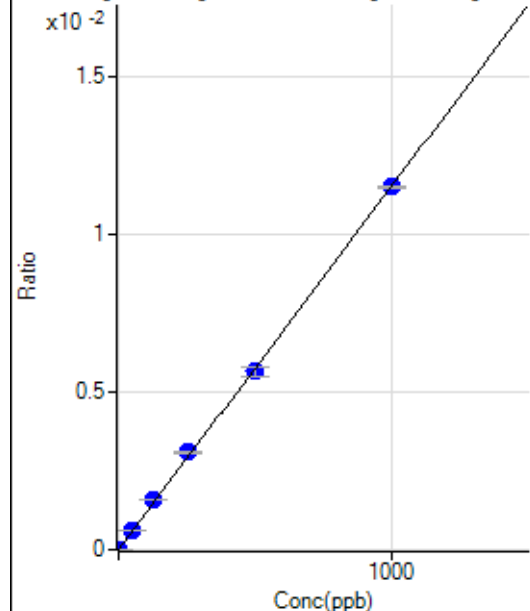
$$DL = 0.01225$$

$$BEC = 0.01671$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4.44     | 0.0000 | P   | 43.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.172      | 93.33    | 0.0000 | P   | 5.8  |
| 3 | <input type="checkbox"/> | 50.000   | 54.639     | 4133.97  | 0.0006 | P   | 2.9  |
| 4 | <input type="checkbox"/> | 125.000  | 136.852    | 10251.47 | 0.0016 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 267.627    | 19968.31 | 0.0031 | P   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 490.537    | 37920.63 | 0.0057 | P   | 6.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.611    | 74975.67 | 0.0115 | P   | 0.2  |
| 8 | <input type="checkbox"/> |          |            | 65.56    | 0.0000 | P   | 54.8 |

$$y = 1.1521\text{E-}005 * x + 6.7786\text{E-}007$$

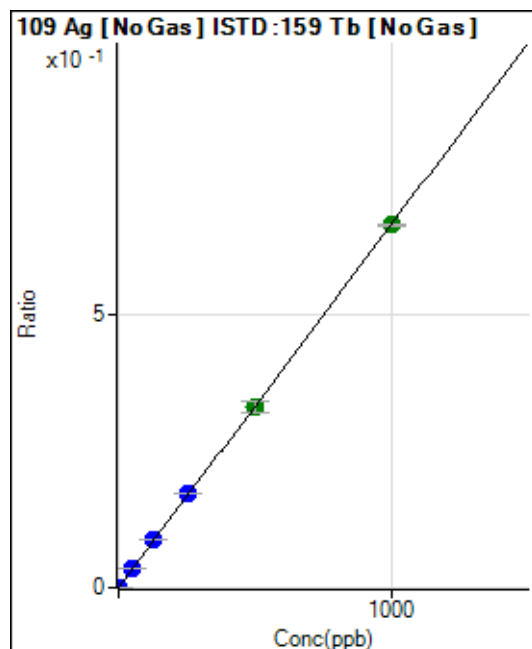
$$R = 0.9997$$

$$DL = 0.07588$$

$$BEC = 0.05883$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 12.22      | 0.0000 | P    | 15.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.038      | 4557.43    | 0.0007 | P    | 1.2  |
| 3 | <input type="checkbox"/> | 50.000   | 54.329     | 237236.56  | 0.0362 | P    | 3.3  |
| 4 | <input type="checkbox"/> | 125.000  | 133.794    | 578887.07  | 0.0891 | P    | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 259.032    | 1116600.61 | 0.1725 | P    | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 496.362    | 2217124.32 | 0.3305 | A    | 6.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.245    | 4330572.33 | 0.6646 | A    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 2200.19    | 0.0004 | P    | 7.3  |

$$y = 6.6579\text{E-}004 * x + 1.8656\text{E-}006$$

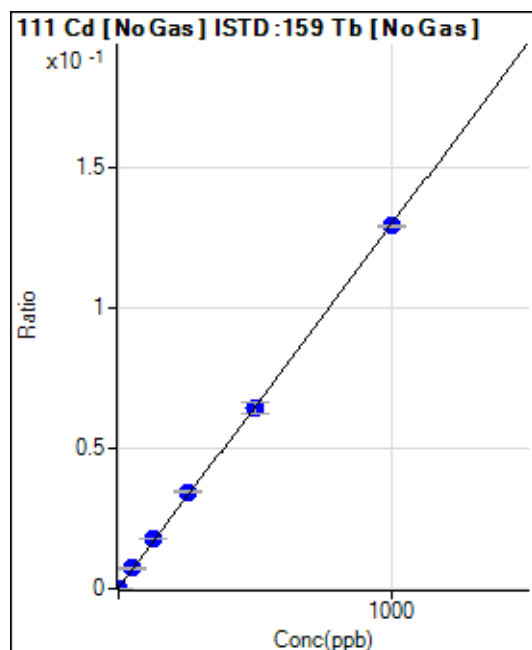
$$R = 0.9999$$

$$DL = 0.001301$$

$$BEC = 0.002802$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 991.51    | 0.0002 | P    | 5.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.142      | 1971.36   | 0.0003 | P    | 3.0 |
| 3 | <input type="checkbox"/> | 50.000   | 54.475     | 47368.55  | 0.0072 | P    | 3.2 |
| 4 | <input type="checkbox"/> | 125.000  | 135.628    | 115390.96 | 0.0178 | P    | 0.3 |
| 5 | <input type="checkbox"/> | 250.000  | 265.240    | 223895.28 | 0.0346 | P    | 1.4 |
| 6 | <input type="checkbox"/> | 500.000  | 497.043    | 433847.54 | 0.0647 | P    | 6.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 996.116    | 843510.49 | 0.1295 | P    | 0.8 |
| 8 | <input type="checkbox"/> |          |            | 1200.04   | 0.0002 | P    | 7.6 |

$$y = 1.2980\text{E-}004 * x + 1.5143\text{E-}004$$

$$R = 0.9998$$

$$DL = 0.1778$$

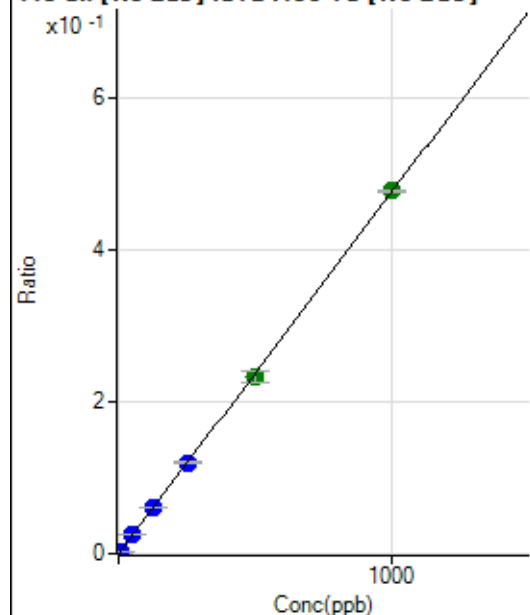
$$BEC = 1.167$$

Weight: <None>

Min Conc: 0



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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 371.12     | 0.0001 | P    | 1.7  |
| 2 | <input type="checkbox"/> | 5.000    | 4.942      | 15857.73   | 0.0024 | P    | 1.2  |
| 3 | <input type="checkbox"/> | 50.000   | 51.260     | 160515.27  | 0.0245 | P    | 2.8  |
| 4 | <input type="checkbox"/> | 125.000  | 127.629    | 395425.88  | 0.0609 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 251.673    | 776532.68  | 0.1199 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 489.799    | 1565489.56 | 0.2334 | A    | 6.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 1004.291   | 3117566.24 | 0.4784 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 2319.10    | 0.0004 | P    | 12.9 |

$$y = 4.7633\text{E-}004 * x + 5.6678\text{E-}005$$

$$R = 0.9999$$

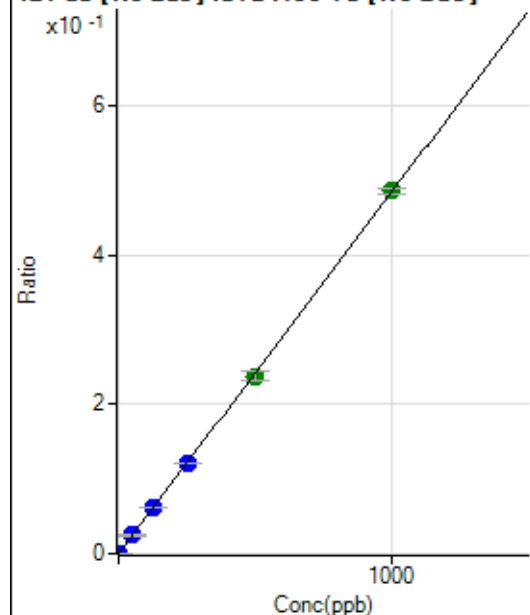
$$DL = 0.006195$$

$$BEC = 0.119$$

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      | 35.56      | 0.0000 | P    | 14.6 |
| 2 | <input type="checkbox"/> | 2.000    | 2.008      | 6442.60    | 0.0010 | P    | 2.1  |
| 3 | <input type="checkbox"/> | 50.000   | 50.913     | 161935.31  | 0.0247 | P    | 3.0  |
| 4 | <input type="checkbox"/> | 125.000  | 126.268    | 397881.25  | 0.0612 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 250.351    | 785926.39  | 0.1214 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 492.049    | 1600759.70 | 0.2386 | A    | 5.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.684   | 3170986.55 | 0.4866 | A    | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 2286.88    | 0.0004 | P    | 8.7  |

$$y = 4.8485\text{E-}004 * x + 5.4316\text{E-}006$$

$$R = 1.0000$$

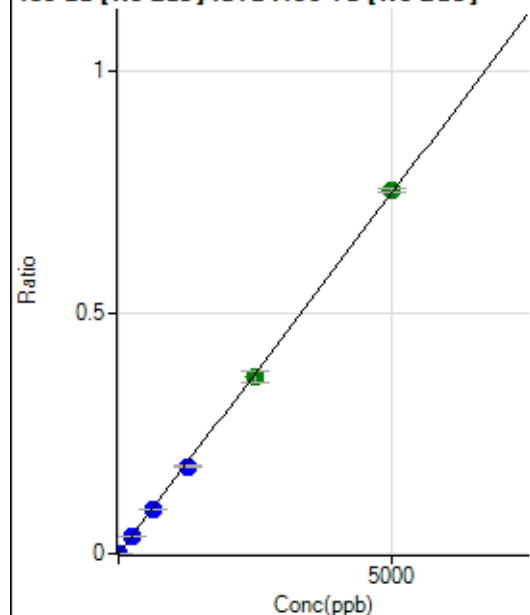
$$DL = 0.004903$$

$$BEC = 0.0112$$

Weight: &lt;None&gt;

Min Conc: 0

135 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      | 10.00      | 0.0000 | P        | 57.6 |
| 2 | <input type="checkbox"/> | 10.000   | 9.436      | 9284.22    | 0.0014 | P        | 3.2  |
| 3 | <input type="checkbox"/> | 250.000  | 247.359    | 242333.40  | 0.0369 | P        | 2.8  |
| 4 | <input type="checkbox"/> | 625.000  | 612.105    | 594155.48  | 0.0914 | P        | 0.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1211.826   | 1171923.51 | 0.1810 | P        | 0.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2453.970   | 2459069.13 | 0.3665 | A        | 6.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5034.304   | 4899668.09 | 0.7519 | A        | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 3540.48    | 0.0006 | P        | 10.7 |

$$y = 1.4936E-004 * x + 1.5249E-006$$

$$R = 0.9999$$

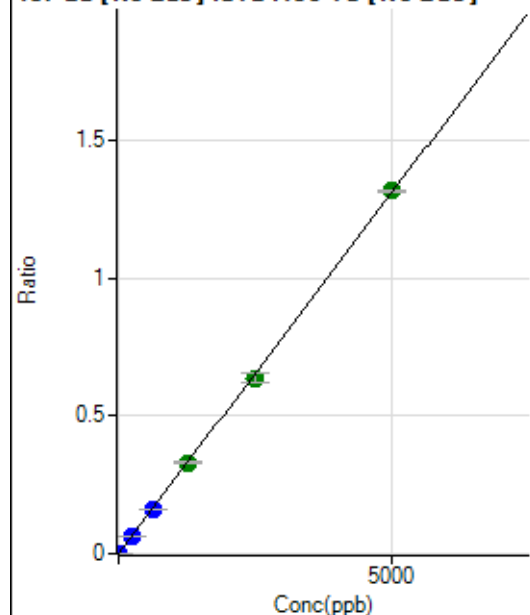
$$DL = 0.01765$$

$$BEC = 0.01021$$

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      | 18.89      | 0.0000 | P        | 40.7 |
| 2 | <input type="checkbox"/> | 10.000   | 9.295      | 16028.00   | 0.0024 | P        | 1.2  |
| 3 | <input type="checkbox"/> | 250.000  | 246.039    | 422531.04  | 0.0644 | P        | 2.8  |
| 4 | <input type="checkbox"/> | 625.000  | 614.272    | 1045191.83 | 0.1608 | P        | 0.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1263.042   | 2141154.88 | 0.3307 | A        | 2.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2436.061   | 4279236.95 | 0.6378 | A        | 6.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5030.250   | 8582088.41 | 1.3170 | A        | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 5831.27    | 0.0010 | P        | 10.2 |

$$y = 2.6183E-004 * x + 2.8837E-006$$

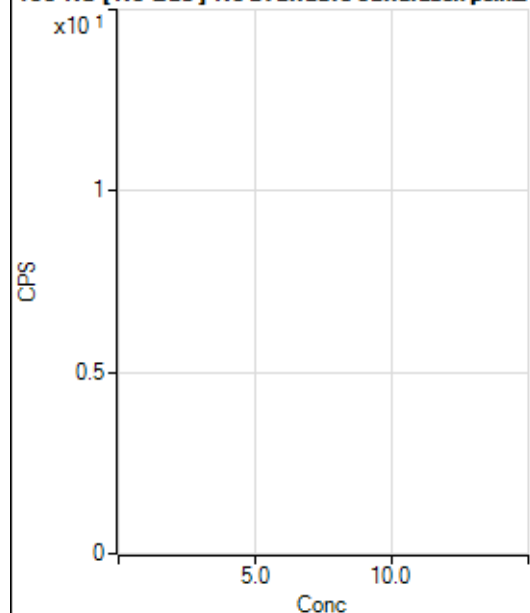
$$R = 0.9999$$

$$DL = 0.01345$$

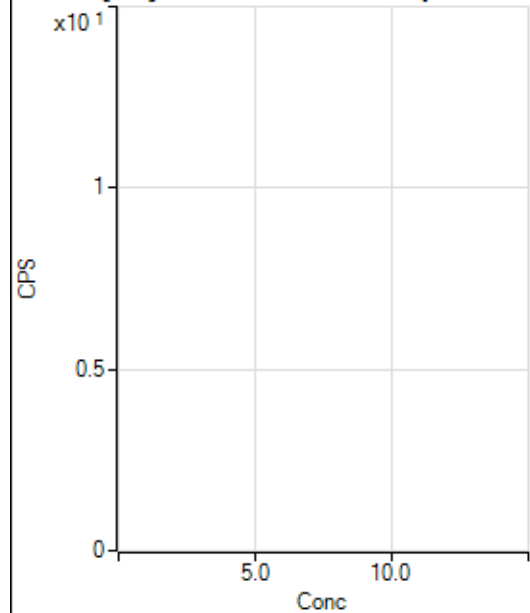
$$BEC = 0.01101$$

Weight: &lt;None&gt;

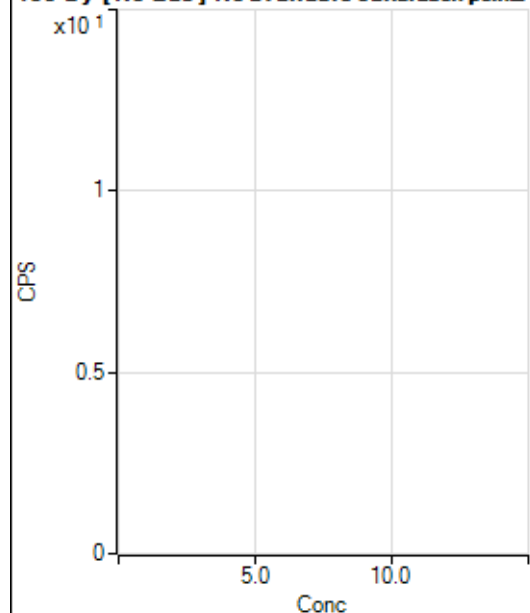
Min Conc: 0

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

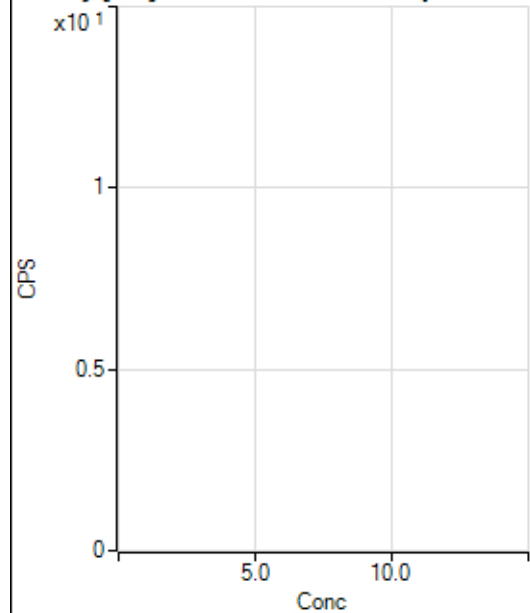
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22    |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 7.78    |       | P        | 65.5 |
| 3 | <input type="checkbox"/> |       |            | 50.00   |       | P        | 11.5 |
| 4 | <input type="checkbox"/> |       |            | 153.34  |       | P        | 14.3 |
| 5 | <input type="checkbox"/> |       |            | 301.12  |       | P        | 6.5  |
| 6 | <input type="checkbox"/> |       |            | 551.13  |       | P        | 2.3  |
| 7 | <input type="checkbox"/> |       |            | 1175.62 |       | P        | 3.0  |
| 8 | <input type="checkbox"/> |       |            | 24.44   |       | P        | 56.8 |

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

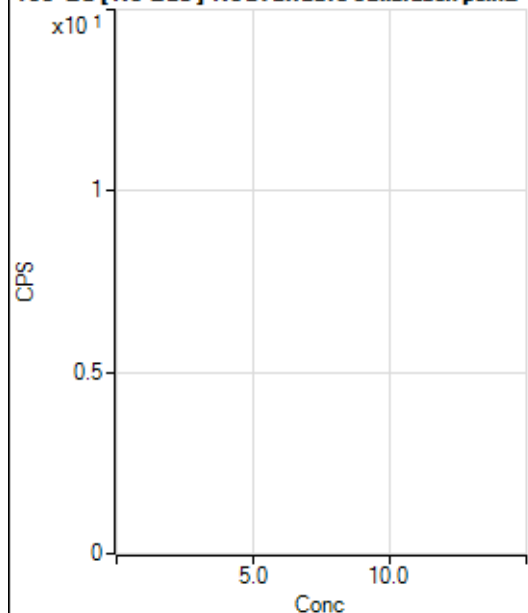
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00   |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 0.00   |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 15.56  |       | P        | 12.4 |
| 4 | <input type="checkbox"/> |       |            | 31.11  |       | P        | 22.3 |
| 5 | <input type="checkbox"/> |       |            | 64.44  |       | P        | 25.5 |
| 6 | <input type="checkbox"/> |       |            | 141.11 |       | P        | 15.7 |
| 7 | <input type="checkbox"/> |       |            | 234.45 |       | P        | 21.3 |
| 8 | <input type="checkbox"/> |       |            | 14.44  |       | P        | 58.1 |

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

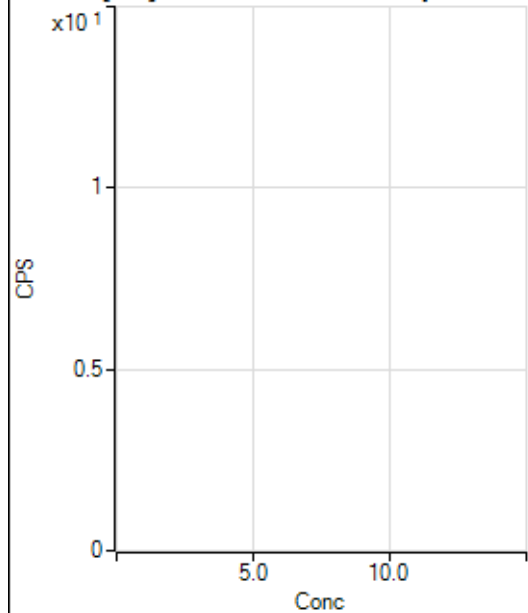
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 50.0 |
| 2 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 91.6 |
| 3 | <input type="checkbox"/> |       |            | 20.00  |       | P        | 28.9 |
| 4 | <input type="checkbox"/> |       |            | 42.22  |       | P        | 12.1 |
| 5 | <input type="checkbox"/> |       |            | 78.89  |       | P        | 17.1 |
| 6 | <input type="checkbox"/> |       |            | 184.45 |       | P        | 14.6 |
| 7 | <input type="checkbox"/> |       |            | 366.68 |       | P        | 9.0  |
| 8 | <input type="checkbox"/> |       |            | 765.58 |       | P        | 5.9  |

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

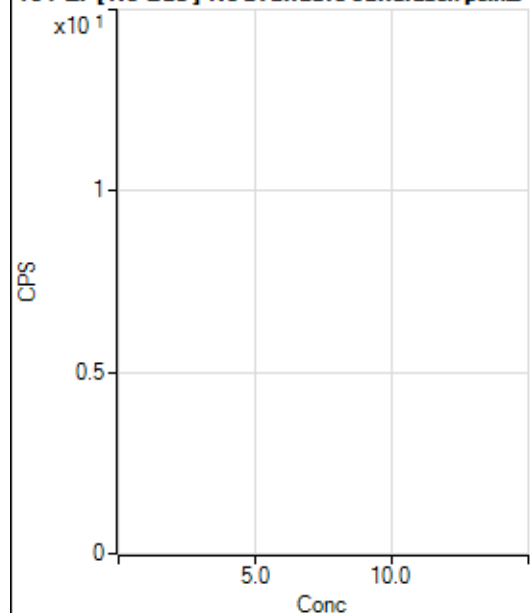
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 21.11  |       | P        | 24.1 |
| 4 | <input type="checkbox"/> |       |            | 44.44  |       | P        | 28.4 |
| 5 | <input type="checkbox"/> |       |            | 87.78  |       | P        | 7.9  |
| 6 | <input type="checkbox"/> |       |            | 156.67 |       | P        | 22.1 |
| 7 | <input type="checkbox"/> |       |            | 351.12 |       | P        | 11.0 |
| 8 | <input type="checkbox"/> |       |            | 490.01 |       | P        | 8.2  |

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

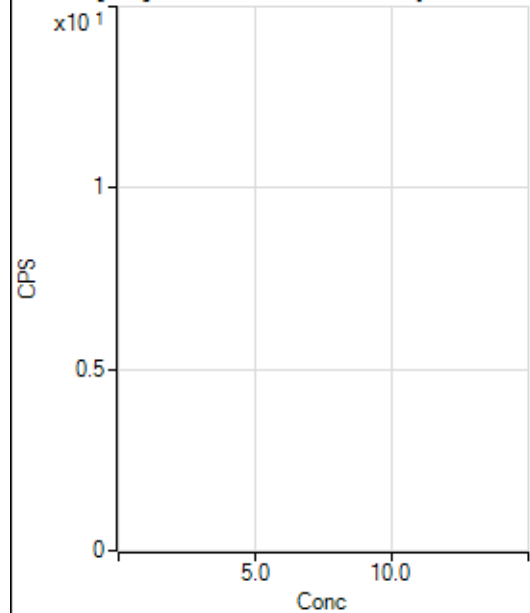
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 21.11  |       | P        | 32.9 |
| 2 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 8.7  |
| 3 | <input type="checkbox"/> |       |            | 35.55  |       | P        | 44.3 |
| 4 | <input type="checkbox"/> |       |            | 56.66  |       | P        | 10.2 |
| 5 | <input type="checkbox"/> |       |            | 75.55  |       | P        | 17.8 |
| 6 | <input type="checkbox"/> |       |            | 131.11 |       | P        | 26.1 |
| 7 | <input type="checkbox"/> |       |            | 256.67 |       | P        | 11.5 |
| 8 | <input type="checkbox"/> |       |            | 920.04 |       | P        | 6.7  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 212.22 |       | P        | 6.3  |
| 2 | <input type="checkbox"/> |       |            | 197.78 |       | P        | 9.3  |
| 3 | <input type="checkbox"/> |       |            | 235.56 |       | P        | 14.2 |
| 4 | <input type="checkbox"/> |       |            | 258.89 |       | P        | 10.0 |
| 5 | <input type="checkbox"/> |       |            | 238.89 |       | P        | 19.8 |
| 6 | <input type="checkbox"/> |       |            | 311.12 |       | P        | 9.4  |
| 7 | <input type="checkbox"/> |       |            | 378.90 |       | P        | 12.2 |
| 8 | <input type="checkbox"/> |       |            | 773.36 |       | P        | 2.7  |

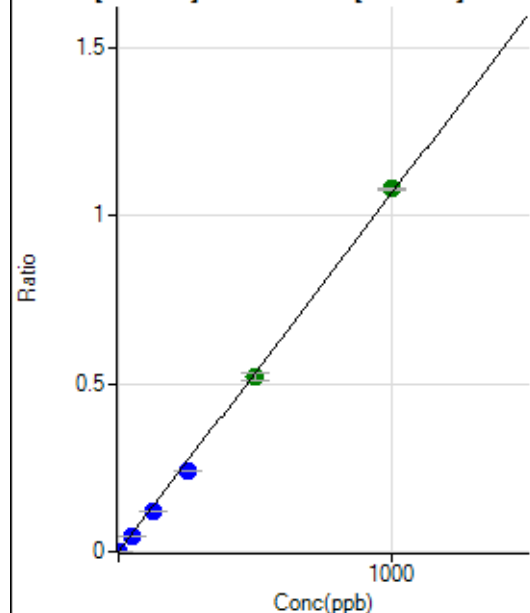
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 45.56 |       | P        | 41.6 |
| 2 | <input type="checkbox"/> |       |            | 56.67 |       | P        | 21.2 |
| 3 | <input type="checkbox"/> |       |            | 44.44 |       | P        | 56.3 |
| 4 | <input type="checkbox"/> |       |            | 62.22 |       | P        | 16.4 |
| 5 | <input type="checkbox"/> |       |            | 67.78 |       | P        | 30.1 |
| 6 | <input type="checkbox"/> |       |            | 71.11 |       | P        | 9.8  |
| 7 | <input type="checkbox"/> |       |            | 76.67 |       | P        | 11.5 |
| 8 | <input type="checkbox"/> |       |            | 83.34 |       | P        | 41.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 13.9 |
| 2 | <input type="checkbox"/> |       |            | 32.22 |       | P        | 21.5 |
| 3 | <input type="checkbox"/> |       |            | 28.89 |       | P        | 46.6 |
| 4 | <input type="checkbox"/> |       |            | 44.44 |       | P        | 11.5 |
| 5 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 32.4 |
| 6 | <input type="checkbox"/> |       |            | 48.89 |       | P        | 25.8 |
| 7 | <input type="checkbox"/> |       |            | 46.66 |       | P        | 32.7 |
| 8 | <input type="checkbox"/> |       |            | 62.22 |       | P        | 34.4 |

203 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      | 84.44      | 0.0000 | P    | 13.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.864      | 4066.20    | 0.0009 | P    | 0.3  |
| 3 | <input type="checkbox"/> | 50.000   | 44.868     | 205736.70  | 0.0478 | P    | 2.4  |
| 4 | <input type="checkbox"/> | 125.000  | 113.388    | 507976.91  | 0.1207 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 224.798    | 1005295.01 | 0.2392 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 488.999    | 2212134.10 | 0.5203 | A    | 3.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1013.509   | 4375759.03 | 1.0783 | A    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 1071.17    | 0.0003 | P    | 20.3 |

$$y = 0.0011 * x + 1.9584E-005$$

$$R = 0.9996$$

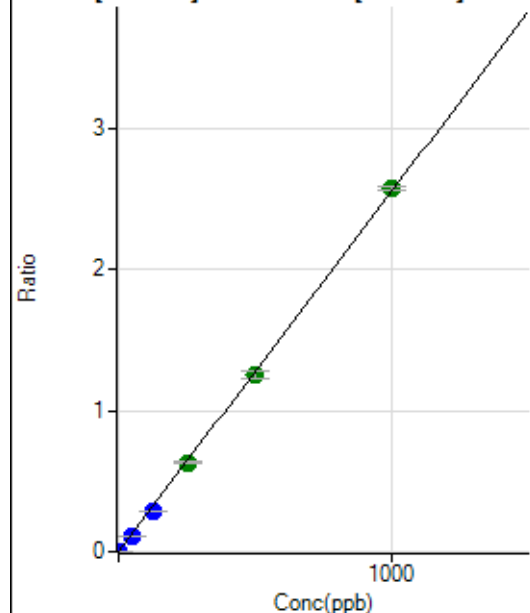
$$DL = 0.007489$$

$$BEC = 0.01841$$

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      | 240.00      | 0.0001 | P    | 14.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.869      | 9833.63     | 0.0023 | P    | 3.8  |
| 3 | <input type="checkbox"/> | 50.000   | 44.650     | 490642.27   | 0.1139 | P    | 2.9  |
| 4 | <input type="checkbox"/> | 125.000  | 112.857    | 1211666.37  | 0.2878 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 246.755    | 2644375.57  | 0.6292 | A    | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 490.867    | 5320418.50  | 1.2515 | A    | 4.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1007.164   | 10420488.25 | 2.5678 | A    | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 2771.44     | 0.0008 | P    | 24.4 |

$$y = 0.0025 * x + 5.5770E-005$$

$$R = 0.9999$$

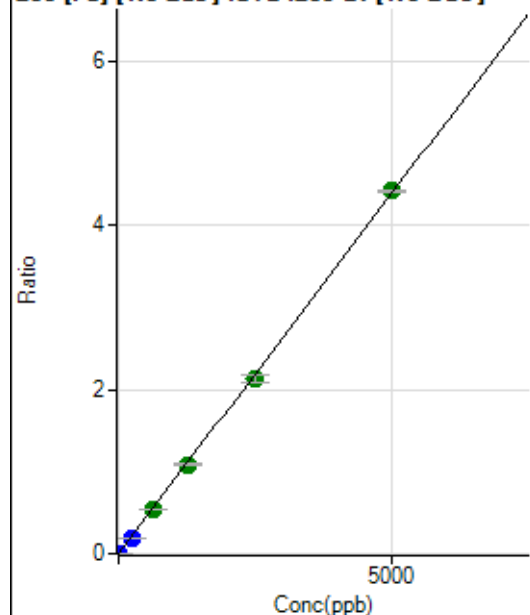
$$DL = 0.009808$$

$$BEC = 0.02188$$

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      | 186.67      | 0.0000 | P    | 17.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.845      | 3391.57     | 0.0008 | P    | 3.6  |
| 3 | <input type="checkbox"/> | 250.000  | 221.544    | 836145.42   | 0.1941 | P    | 2.6  |
| 4 | <input type="checkbox"/> | 625.000  | 620.517    | 2288448.99  | 0.5435 | A    | 0.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1234.789   | 4545982.50  | 1.0815 | A    | 1.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2430.091   | 9047360.08  | 2.1284 | A    | 5.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5040.740   | 17916488.07 | 4.4150 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 5562.32     | 0.0017 | P    | 12.3 |

$$y = 8.7585\text{E-}004 * x + 4.3429\text{E-}005$$

$$R = 0.9998$$

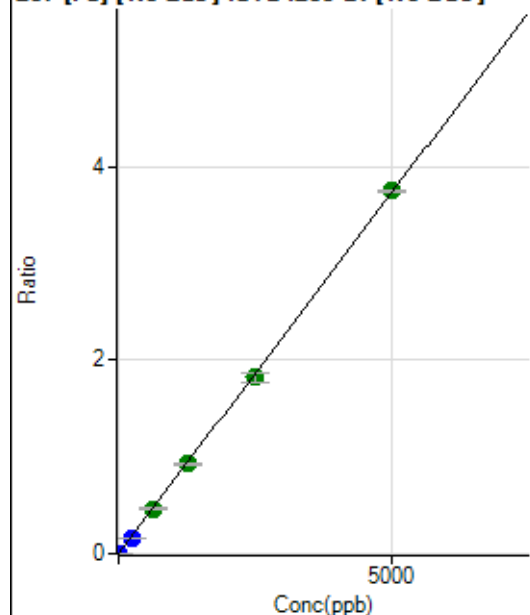
$$DL = 0.02622$$

$$BEC = 0.04959$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 160.00      | 0.0000 | P    | 6.7  |
| 2 | <input type="checkbox"/> | 1.000    | 0.849      | 2904.79     | 0.0007 | P    | 3.0  |
| 3 | <input type="checkbox"/> | 250.000  | 217.081    | 697970.28   | 0.1620 | P    | 2.2  |
| 4 | <input type="checkbox"/> | 625.000  | 624.472    | 1961811.72  | 0.4660 | A    | 1.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1242.888   | 3897905.32  | 0.9274 | A    | 1.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2444.624   | 7752925.09  | 1.8240 | A    | 5.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 5031.178   | 15233523.80 | 3.7538 | A    | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 4595.30     | 0.0014 | P    | 14.0 |

$$y = 7.4611\text{E-}004 * x + 3.7147\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.009965$$

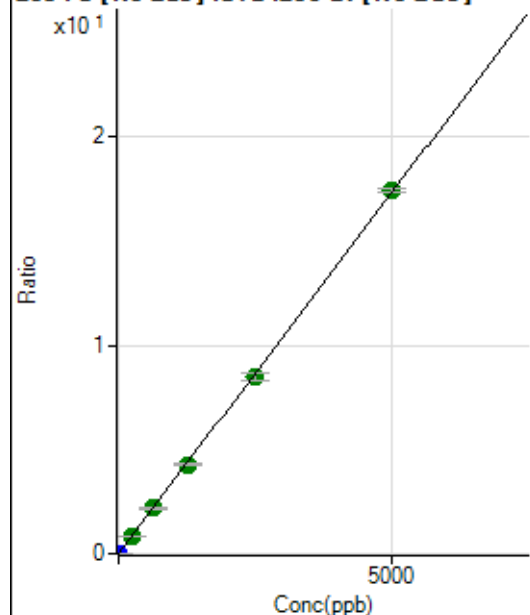
$$BEC = 0.04979$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio   | Det | RSD  |
|---|--------------------------|----------|------------|-------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 766.69      | 0.0002  | P   | 3.6  |
| 2 | <input type="checkbox"/> | 1.000    | 0.858      | 13637.33    | 0.0031  | P   | 1.9  |
| 3 | <input type="checkbox"/> | 250.000  | 234.926    | 3506927.05  | 0.8139  | A   | 1.6  |
| 4 | <input type="checkbox"/> | 625.000  | 627.009    | 9145033.80  | 2.1720  | A   | 1.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1239.132   | 18040677.33 | 4.2923  | A   | 1.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2448.242   | 36048474.88 | 8.4804  | A   | 5.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5029.098   | 70692125.48 | 17.4199 | A   | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 21701.70    | 0.0066  | P   | 14.8 |

$$y = 0.0035 * x + 1.7803E-004$$

$$R = 0.9999$$

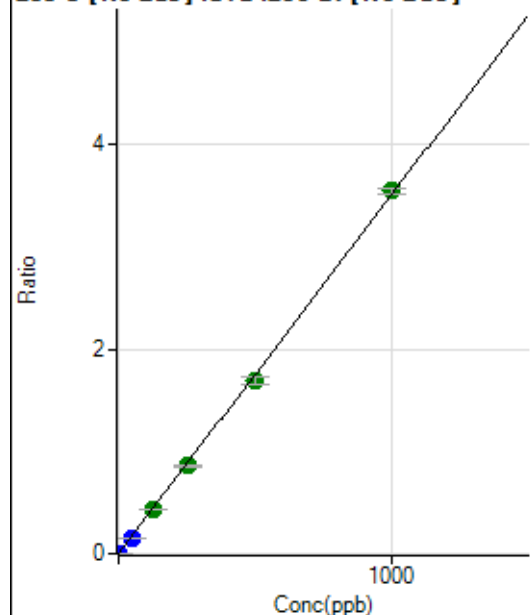
$$DL = 0.005502$$

$$BEC = 0.0514$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 13.34       | 0.0000 | P   | 86.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.805      | 12235.94    | 0.0028 | P   | 1.7  |
| 3 | <input type="checkbox"/> | 50.000   | 40.952     | 618646.30   | 0.1436 | P   | 2.3  |
| 4 | <input type="checkbox"/> | 125.000  | 121.481    | 1793414.07  | 0.4260 | A   | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 244.351    | 3601032.17  | 0.8568 | A   | 2.0  |
| 6 | <input type="checkbox"/> | 500.000  | 482.111    | 7187474.27  | 1.6904 | A   | 3.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1011.249   | 14389031.45 | 3.5457 | A   | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 2851.49     | 0.0009 | P   | 24.5 |

$$y = 0.0035 * x + 3.0875E-006$$

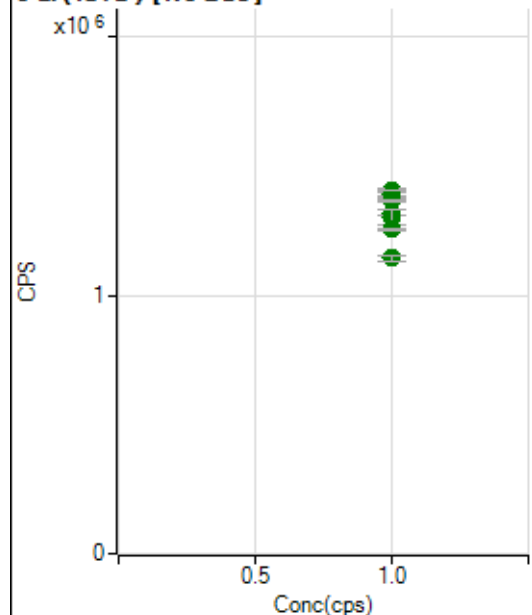
$$R = 0.9997$$

$$DL = 0.002272$$

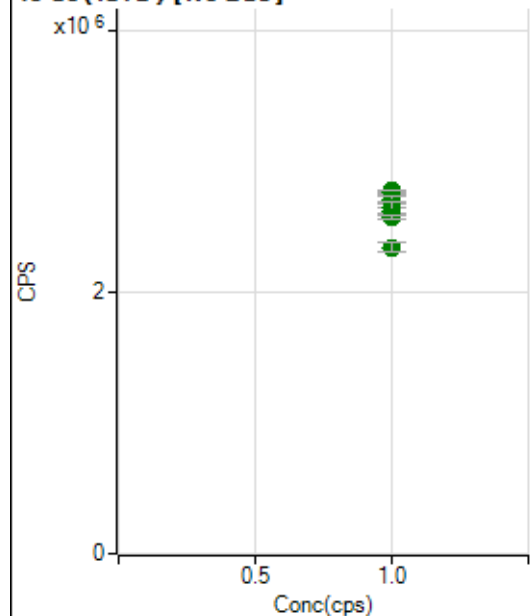
$$BEC = 0.0008806$$

Weight: &lt;None&gt;

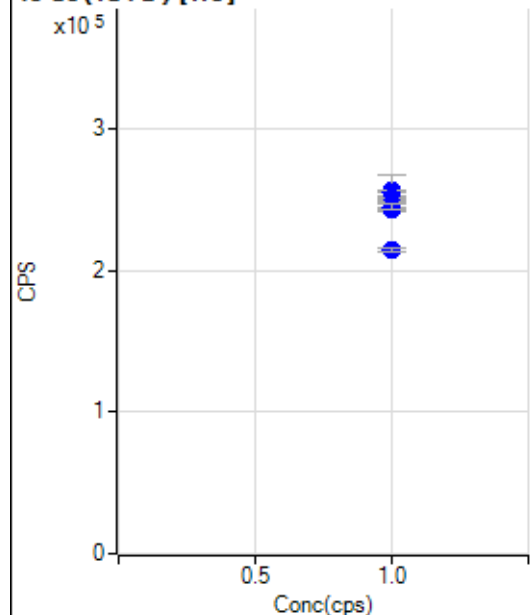
Min Conc: 0

**6 Li (ISTD) [No Gas]**

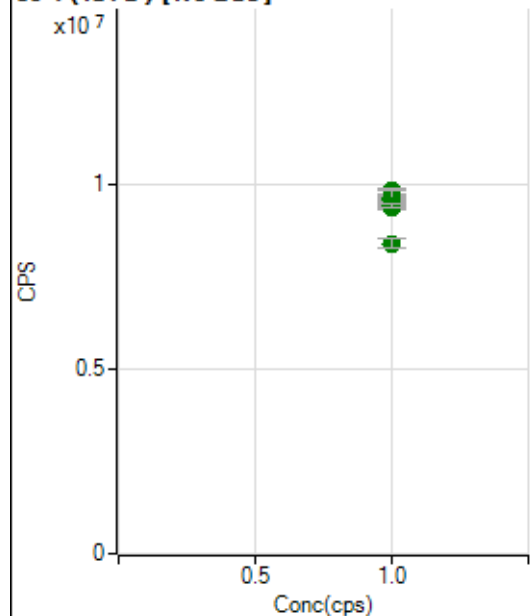
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1395543.81 |       | A        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1403615.46 |       | A        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1392897.15 |       | A        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1366124.49 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1320138.50 |       | A        | 1.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1304469.86 |       | A        | 4.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1255422.78 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1145201.27 |       | A        | 2.0 |

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

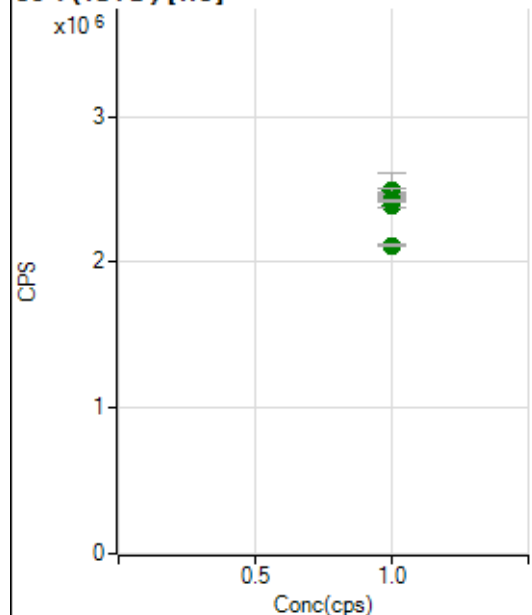
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2737522.74 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2774047.91 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2758113.95 |       | A        | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2706902.18 |       | A        | 2.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2610789.46 |       | A        | 2.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2647478.12 |       | A        | 3.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2572727.42 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2339067.36 |       | A        | 3.0 |

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

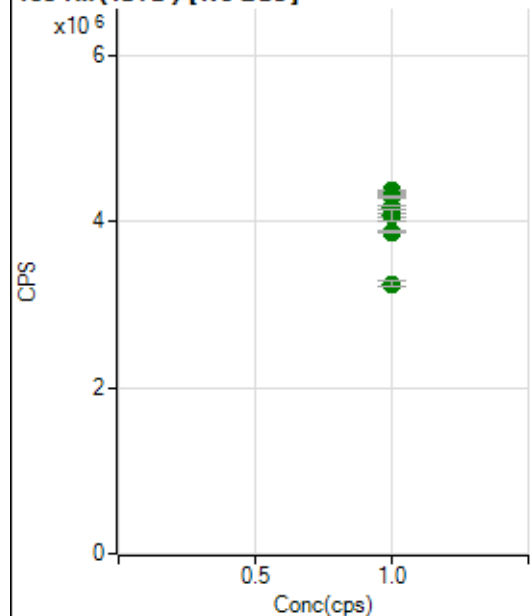
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 252301.95 |       | P        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 255894.30 |       | P        | 9.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 254383.96 |       | P        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 250516.64 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 247175.18 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 242707.52 |       | P        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 244601.93 |       | P        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 214388.95 |       | P        | 0.9 |

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

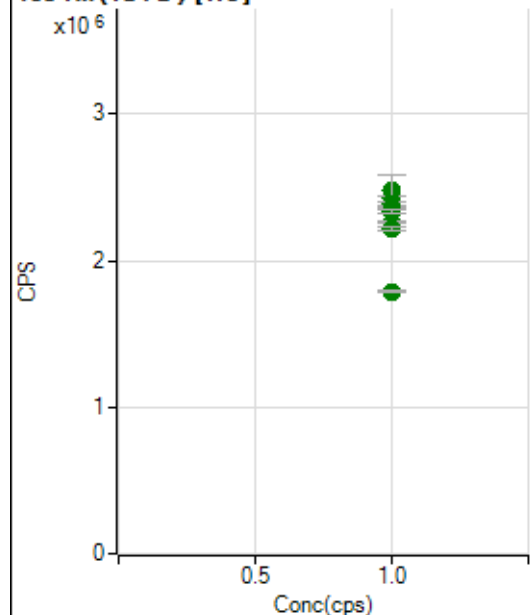
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9623016.18 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9656973.19 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9816868.61 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9594868.05 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9381583.54 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9632650.62 |       | A        | 3.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9412731.11 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8399425.92 |       | A        | 2.7 |

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

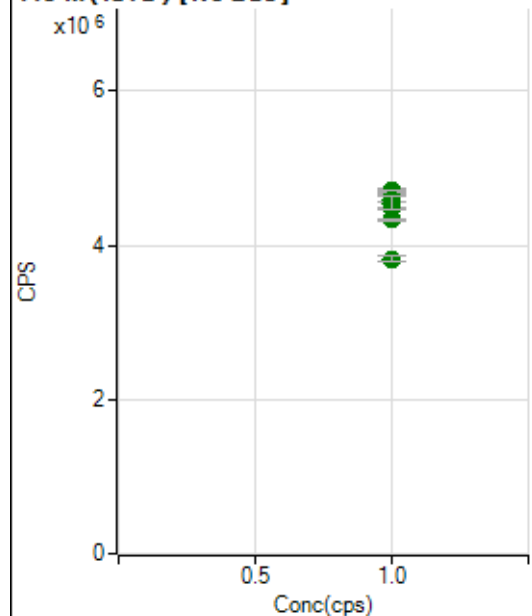
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2466606.68 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2489510.95 |       | A        | 9.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2488831.72 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2430622.74 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2421151.26 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2393682.39 |       | A        | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2419477.60 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2115086.67 |       | A        | 0.3 |

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

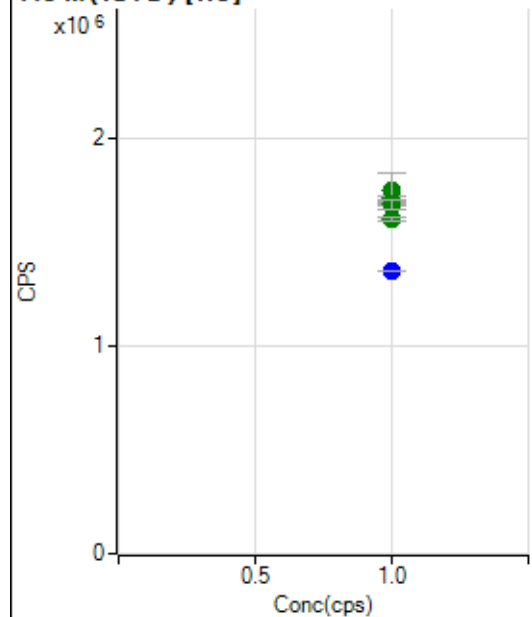
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4320257.37 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4368558.72 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4298600.98 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4166902.33 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4073697.40 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4074855.43 |       | A        | 3.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3873871.61 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3248462.56 |       | A        | 2.5 |

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

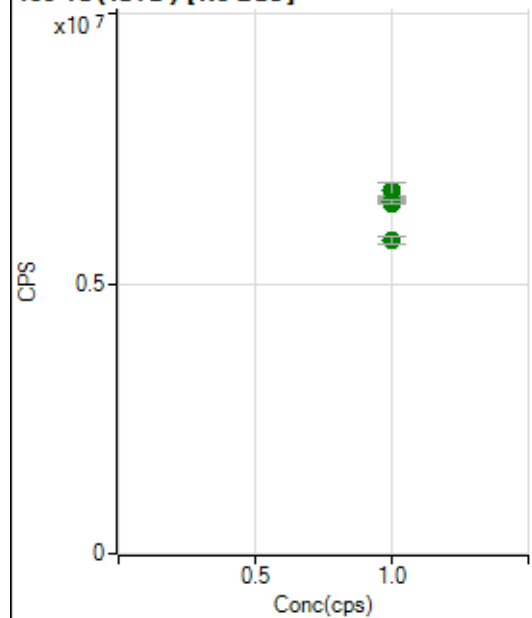
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2421701.23 |       | A        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2476178.42 |       | A        | 9.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2388008.97 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2359662.10 |       | A        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2335643.04 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2262079.65 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2215047.52 |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1787318.69 |       | A        | 0.6 |

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

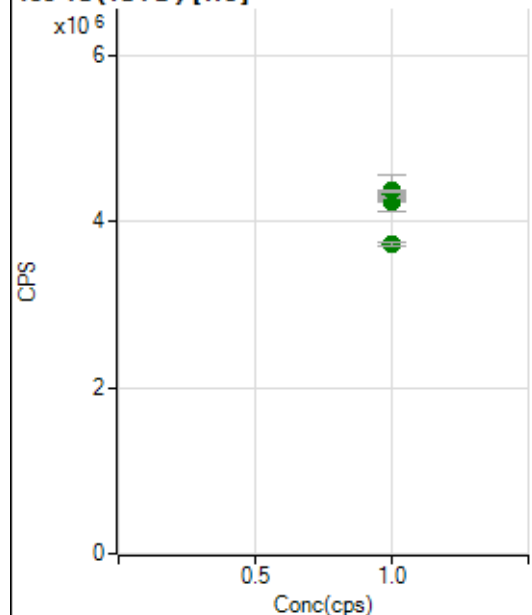
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4650366.65 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4703070.05 |       | A        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4699817.68 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4594660.82 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4483748.98 |       | A        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4545922.87 |       | A        | 4.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4331321.92 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3820136.55 |       | A        | 1.9 |

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

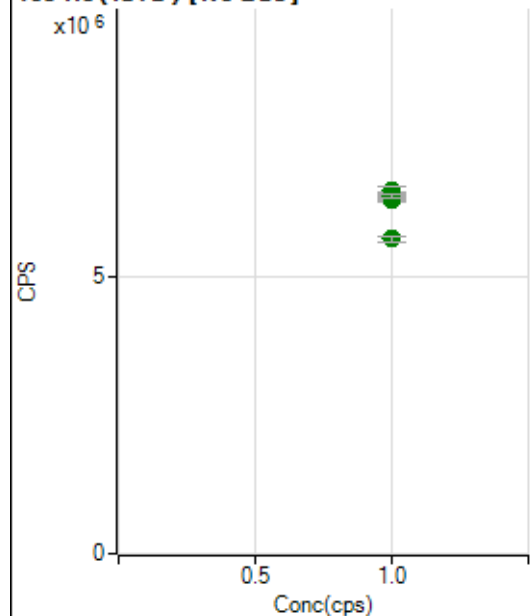
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1710552.07 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1744756.77 |       | A        | 9.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1679215.05 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1672314.14 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1679011.41 |       | A        | 2.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1611194.38 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1608467.56 |       | A        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1362573.13 |       | P        | 0.2 |

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

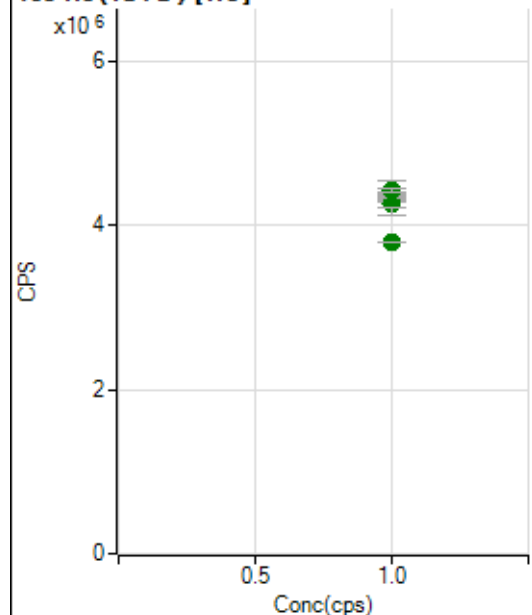
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6548171.92 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6578371.64 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6561134.42 |       | A        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6498594.42 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6474459.70 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6720694.90 |       | A        | 4.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6516088.31 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5793023.59 |       | A        | 2.4 |

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

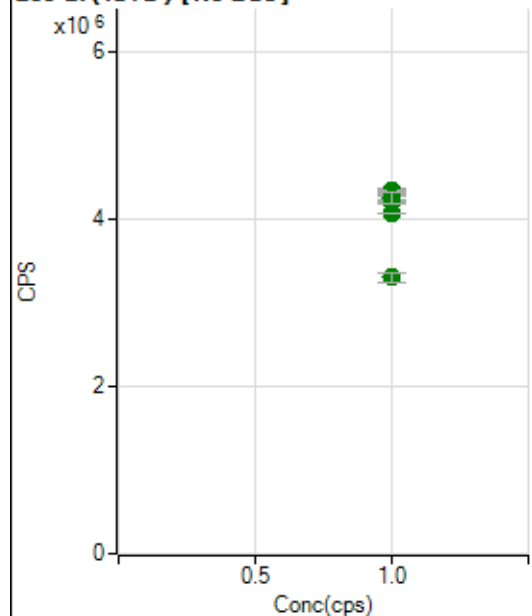
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4254411.25 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4346506.15 |       | A        | 9.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4302286.32 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4245905.28 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4337818.69 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4292134.24 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4368181.08 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3720718.83 |       | A        | 1.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6393329.77 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6454553.72 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6492902.19 |       | A        | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6454661.78 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6429943.37 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6564871.36 |       | A        | 2.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6468908.17 |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5695439.71 |       | A        | 2.1 |

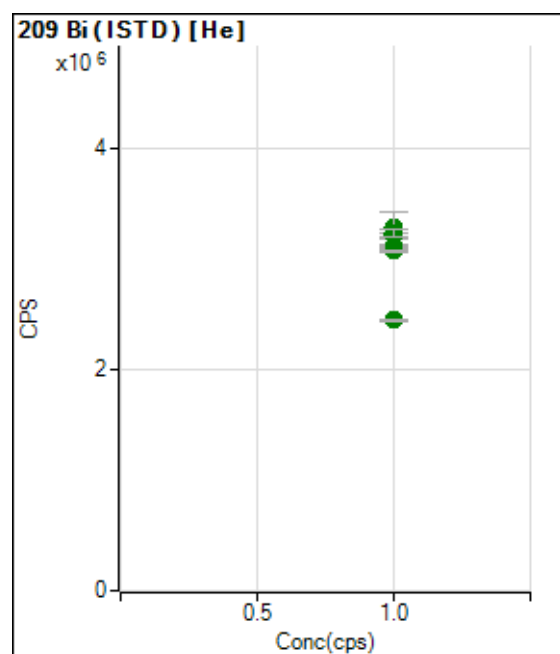
**165 Ho (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4250521.53 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4320628.89 |       | A        | 9.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4339647.40 |       | A        | 1.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4366697.85 |       | A        | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4391733.86 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4341871.47 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4415136.84 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3788389.94 |       | A        | 0.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4305947.23 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4330401.36 |       | A        | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4309513.03 |       | A        | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4210510.35 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4203240.08 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4255353.27 |       | A        | 3.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4058111.05 |       | A        | 0.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3301372.87 |       | A        | 3.5 |





|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3227441.62 |       | A        | 1.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3277106.06 |       | A        | 9.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3207864.50 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3213678.04 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3233699.12 |       | A        | 2.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3102909.57 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3072614.22 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2443886.47 |       | A        | 0.5 |

# US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7050823-MS.b

Acq. Date-Time 2023-05-08 13:07:18

Report Comment ---

Instrument Name G8403A JP14410463

[No Gas]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%   | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|--------|-----------------|
| 9    |              | 4953  | 49527.03  |                            |             | 0.505  | 5.000           |
| 24   |              | 52799 | 527990.78 |                            |             | 0.721  | 5.000           |
| 25   |              | 7261  | 72605.02  |                            |             | 0.903  | 5.000           |
| 26   |              | 8377  | 83769.71  |                            |             | 0.709  | 5.000           |
| 59   |              | 36991 | 369913.14 |                            |             | 0.690  | 5.000           |
| 113  |              | 4896  | 48964.50  |                            |             | 0.895  | 5.000           |
| 115  |              | 60572 | 605716.55 |                            |             | 1.222  | 5.000           |
| 206  |              | 16501 | 165013.36 |                            |             | 1.276  | 5.000           |
| 207  |              | 15263 | 152627.15 |                            |             | 1.162  | 5.000           |
| 208  |              | 35536 | 355356.75 |                            |             | 1.146  | 5.000           |
| 220  |              | 0     | 1.10      |                            |             | 59.266 |                 |

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

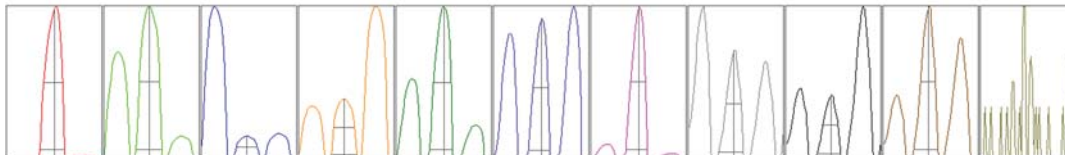
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 4921        | 4934        | 4956        | 4981        | 4972        |
| 24   | 52263       | 52536       | 52991       | 53137       | 53068       |
| 25   | 7157        | 7236        | 7293        | 7316        | 7300        |
| 26   | 8281        | 8364        | 8391        | 8422        | 8427        |
| 59   | 36591       | 36894       | 37103       | 37145       | 37225       |
| 113  | 4830        | 4876        | 4916        | 4939        | 4922        |
| 115  | 59474       | 60293       | 60667       | 61409       | 61015       |
| 206  | 16206       | 16385       | 16557       | 16608       | 16751       |
| 207  | 15005       | 15191       | 15308       | 15481       | 15329       |
| 208  | 34959       | 35299       | 35699       | 35726       | 35996       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 8912.54     | 9.05   | 8.90 - 9.10     |             |
| 24   | 87144.65    | 23.95  | 23.90 - 24.10   |             |
| 25   | 11691.45    | 24.95  | 24.90 - 25.10   |             |
| 26   | 13407.17    | 25.95  | 25.90 - 26.10   |             |
| 59   | 70145.69    | 59.05  | 58.90 - 59.10   |             |
| 113  | 10811.95    | 113.05 | 112.90 - 113.10 |             |
| 115  | 135198.45   | 115.05 | 114.90 - 115.10 |             |
| 206  | 35260.12    | 205.95 | 205.90 - 206.10 |             |
| 207  | 32086.87    | 206.95 | 206.90 - 207.10 |             |
| 208  | 77380.69    | 207.95 | 207.90 - 208.10 |             |
| 220  | 0.00        | 219.80 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.59  | 0.777 | 0.900           |             |
| 24   | 0.64  | 0.822 | 0.900           |             |
| 25   | 0.65  | 0.805 | 0.900           |             |
| 26   | 0.66  | 0.793 | 0.900           |             |
| 59   | 0.55  | 0.733 | 0.900           |             |
| 113  | 0.47  | 0.681 | 0.900           |             |
| 115  | 0.46  | 0.681 | 0.900           |             |
| 206  | 0.48  | 0.768 | 0.900           |             |
| 207  | 0.48  | 0.740 | 0.900           |             |
| 208  | 0.46  | 0.767 | 0.900           |             |
| 220  | 0.25  | 0.250 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.82 L/min Dilution Gas 0.40 L/min

# US EPA Tune Check Report

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

## Lens Parameters

|            |          |               |       |            |        |
|------------|----------|---------------|-------|------------|--------|
| Extract 1  | 0.0 V    | Omega Lens    | 8.8 V | Deflect    | 16.6 V |
| Extract 2  | -100.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -60 V    | Cell Exit     | -50 V |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 5.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 180 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 0.9999 | QP Bias | -3.0 V |
| Mass Offset | 125 | Axis Offset | 0.03   |         |        |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -1.1 mm | Torch V | 1.0 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.2 mV | Analog HV | 2278 V | Pulse HV | 1562 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 13001 | 130007.89 |                            |             | 0.322 |                 |
| 89   |              | 20479 | 204791.77 |                            |             | 0.239 |                 |
| 205  |              | 16050 | 160504.68 |                            |             | 0.629 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 13052       | 12969       | 12993       | 12955       | 13036       |
| 89   | 20490       | 20491       | 20409       | 20544       | 20463       |
| 205  | 15942       | 16033       | 16060       | 16004       | 16213       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |        |                |            |               |            |
|--------------|--------|----------------|------------|---------------|------------|
| Plasma Mode  | ---    | Nebulizer Gas  | 0.82 L/min | Dilution Gas  | 0.40 L/min |
| RF Power     | 1600 W | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 V | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 9.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |       |            |       |         |       |
|-----------|-------|------------|-------|---------|-------|
| Extract 1 | 0.0 V | Omega Lens | 9.2 V | Deflect | 2.4 V |
|-----------|-------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |         |               |       |            |       |
|------------|---------|---------------|-------|------------|-------|
| Extract 2  | -85.0 V | Cell Entrance | -40 V | Plate Bias | -60 V |
| Omega Bias | -55 V   | Cell Exit     | -60 V |            |       |

## Cell Parameters

|         |            |              |         |                       |       |
|---------|------------|--------------|---------|-----------------------|-------|
| Use Gas | Yes        | 3rd Gas Flow | ---     | Energy Discrimination | 5.0 V |
| He Flow | 3.9 mL/min | OctP Bias    | -18.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 190 V   |                       |       |

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 123 | Axis Gain   | 0.9999 | QP Bias | -13.0 V |
| Mass Offset | 125 | Axis Offset | 0.03   |         |         |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -1.1 mm | Torch V | 1.0 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.2 mV | Analog HV | 2278 V | Pulse HV | 1562 V |
|---------------|--------|-----------|--------|----------|--------|