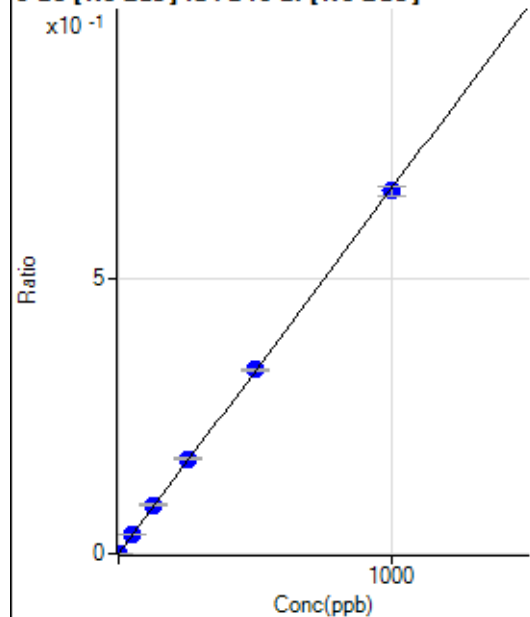


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7051623 MS.b\  
Analysis File: P7051623 MS.batch.bin  
DA Date-Time: 2023-05-16 18:43:09  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2023-05-16 11:56:15 |
| 2     | 005CALS.d          | S02         | 2023-05-16 11:59:30 |
| 3     | 006CALS.d          | S03         | 2023-05-16 12:02:46 |
| 4     | 007CALS.d          | S04         | 2023-05-16 12:05:53 |
| 5     | 008CALS.d          | S05         | 2023-05-16 12:08:52 |
| 6     | 009CALS.d          | S06         | 2023-05-16 12:11:45 |
| 7     | 010CALS.d          | S07         | 2023-05-16 12:14:34 |
| 8     | 011CALS.d          | S08         | 2023-05-16 12:17:20 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 42.22     | 0.0000 | P        | 45.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.037      | 803.36    | 0.0007 | P        | 3.1  |
| 3 | <input type="checkbox"/> | 50.000   | 53.882     | 40055.82  | 0.0359 | P        | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 132.149    | 97935.75  | 0.0879 | P        | 3.8  |
| 5 | <input type="checkbox"/> | 250.000  | 260.266    | 184147.95 | 0.1731 | P        | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 504.903    | 355248.19 | 0.3358 | P        | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.894    | 676945.43 | 0.6610 | P        | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 410.01    | 0.0004 | P        | 7.6  |

$$y = 6.6498E-004 * x + 3.7307E-005$$

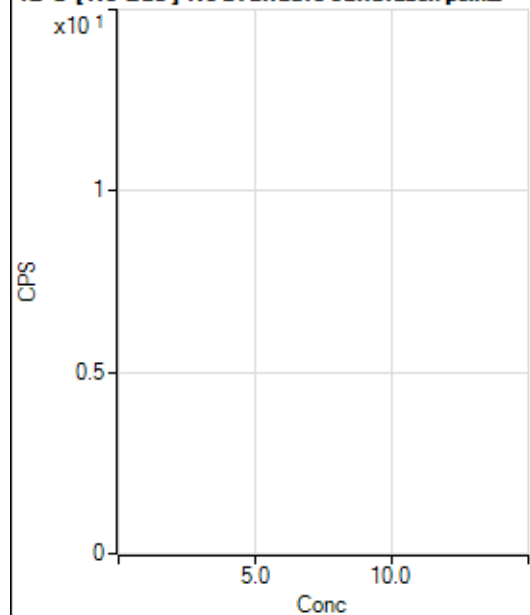
$$R = 0.9999$$

$$DL = 0.07577$$

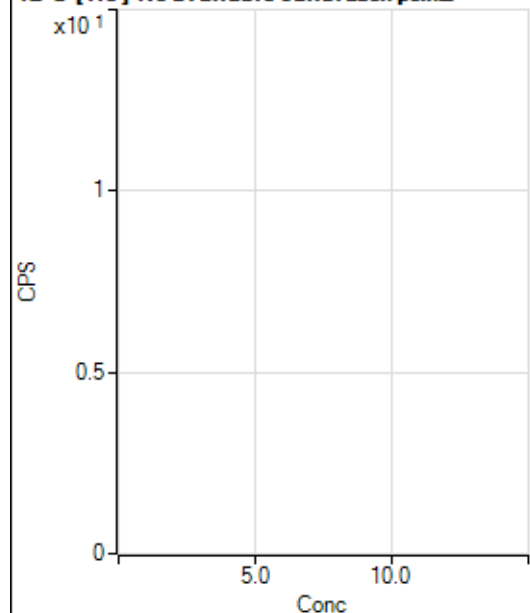
$$BEC = 0.0561$$

Weight: &lt;None&gt;

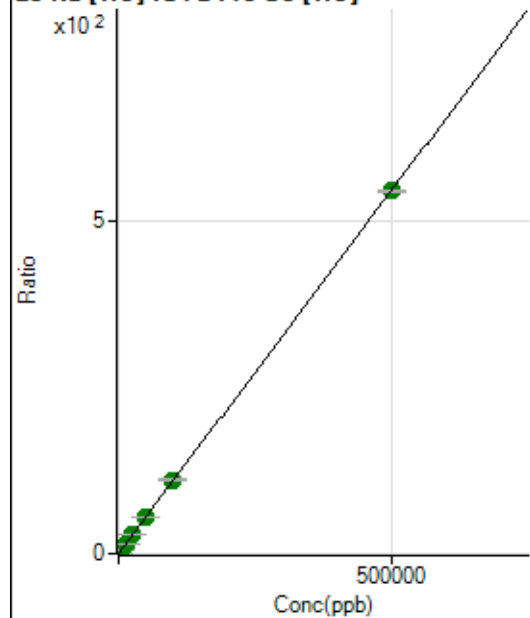
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            |     |       |          |     |
| 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      | 6957.18     | 0.0248   | P        | 1.7 |
| 2 | <input type="checkbox"/> | 500.000   | 478.224    | 152234.96   | 0.5461   | P        | 0.5 |
| 3 | <input type="checkbox"/> | 5000.000  | 5194.108   | 1533889.35  | 5.6861   | A        | 0.5 |
| 4 | <input type="checkbox"/> | 12500.000 | 13051.767  | 3769515.92  | 14.2506  | A        | 0.6 |
| 5 | <input type="checkbox"/> | 25000.000 | 25945.612  | 7235690.66  | 28.3043  | A        | 0.8 |
| 6 | <input type="checkbox"/> | 50000.000 | 51119.359  | 14108325.21 | 55.7425  | A        | 1.0 |
| 7 | <input type="checkbox"/> | 100000.00 | 101444.48  | 27516407.92 | 110.5945 | A        | 1.2 |
| 8 | <input type="checkbox"/> | 500000.00 | 499536.17  | 123445989.2 | 544.4956 | A        | 0.3 |

$$y = 0.0011 * x + 0.0248$$

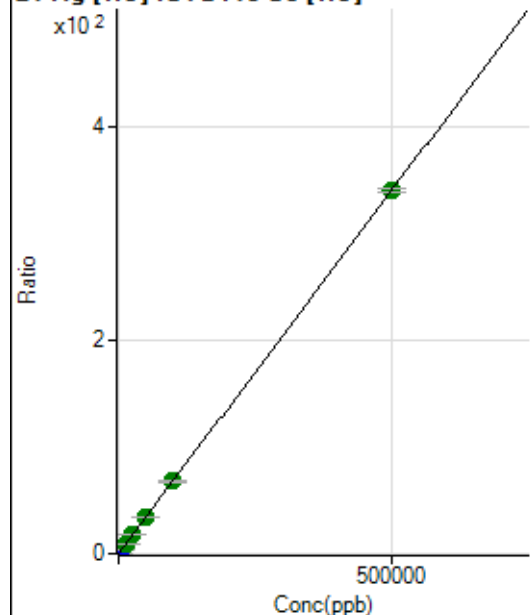
$$R = 1.0000$$

$$DL = 1.189$$

$$BEC = 22.76$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 382.23      | 0.0014   | P        | 4.3 |
| 2 | <input type="checkbox"/> | 500.000   | 476.483    | 90727.68    | 0.3254   | P        | 1.1 |
| 3 | <input type="checkbox"/> | 5000.000  | 5304.281   | 973516.27   | 3.6089   | P        | 0.9 |
| 4 | <input type="checkbox"/> | 12500.000 | 13099.974  | 2357144.43  | 8.9110   | A        | 0.9 |
| 5 | <input type="checkbox"/> | 25000.000 | 25718.635  | 4471826.32  | 17.4933  | A        | 1.1 |
| 6 | <input type="checkbox"/> | 50000.000 | 50755.393  | 8736880.29  | 34.5215  | A        | 1.5 |
| 7 | <input type="checkbox"/> | 100000.00 | 100456.56  | 16998200.72 | 68.3245  | A        | 2.3 |
| 8 | <input type="checkbox"/> | 500000.00 | 499779.19  | 77064263.85 | 339.9145 | A        | 0.9 |

$$y = 6.8013E-004 * x + 0.0014$$

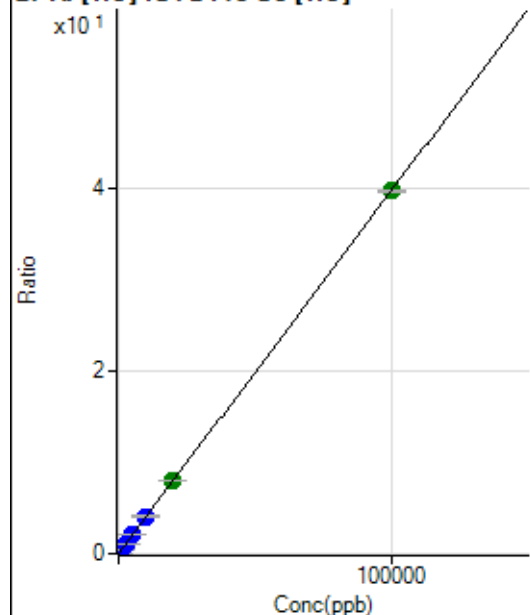
$$R = 1.0000$$

$$DL = 0.2569$$

$$BEC = 2.004$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 35.56      | 0.0001  | P        | 61.1 |
| 2 | <input type="checkbox"/> | 20.000    | 19.632     | 2207.96    | 0.0079  | P        | 2.7  |
| 3 | <input type="checkbox"/> | 1000.000  | 1057.439   | 113261.51  | 0.4199  | P        | 1.6  |
| 4 | <input type="checkbox"/> | 2500.000  | 2619.672   | 275104.82  | 1.0400  | P        | 0.7  |
| 5 | <input type="checkbox"/> | 5000.000  | 5210.644   | 528780.53  | 2.0685  | P        | 0.7  |
| 6 | <input type="checkbox"/> | 10000.000 | 10294.374  | 1034227.43 | 4.0865  | P        | 1.4  |
| 7 | <input type="checkbox"/> | 20000.000 | 20180.283  | 1993089.60 | 8.0107  | A        | 1.1  |
| 8 | <input type="checkbox"/> | 100000.00 | 99920.408  | 8992364.80 | 39.6636 | A        | 0.8  |

$$y = 3.9695E-004 * x + 1.2688E-004$$

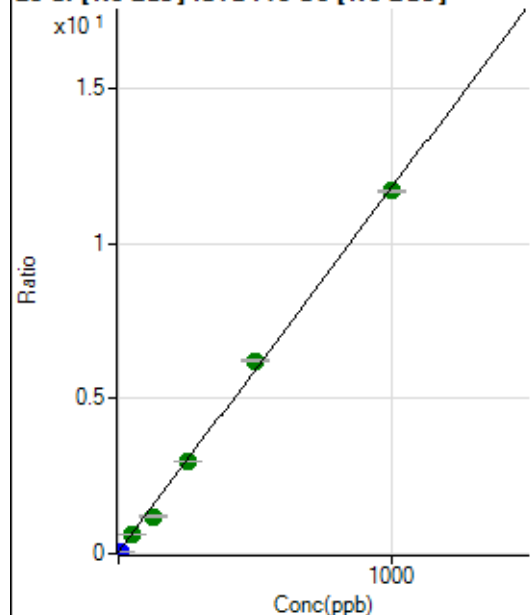
$$R = 1.0000$$

$$DL = 0.5861$$

$$BEC = 0.3196$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 189044.66   | 0.0638  | P    | 3.3 |
| 2 | <input type="checkbox"/> | 10.000   | 0.800      | 207713.31   | 0.0732  | P    | 7.1 |
| 3 | <input type="checkbox"/> | 50.000   | 47.103     | 1769978.50  | 0.6159  | A    | 1.1 |
| 4 | <input type="checkbox"/> | 125.000  | 96.365     | 3391700.78  | 1.1933  | A    | 3.6 |
| 5 | <input type="checkbox"/> | 250.000  | 249.850    | 8055483.14  | 2.9924  | A    | 0.6 |
| 6 | <input type="checkbox"/> | 500.000  | 524.839    | 16551313.36 | 6.2156  | A    | 0.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 991.434    | 30966106.21 | 11.6847 | A    | 0.5 |
| 8 | <input type="checkbox"/> |          |            | 403831.43   | 0.1615  | P    | 2.9 |

$$y = 0.0117 * x + 0.0638$$

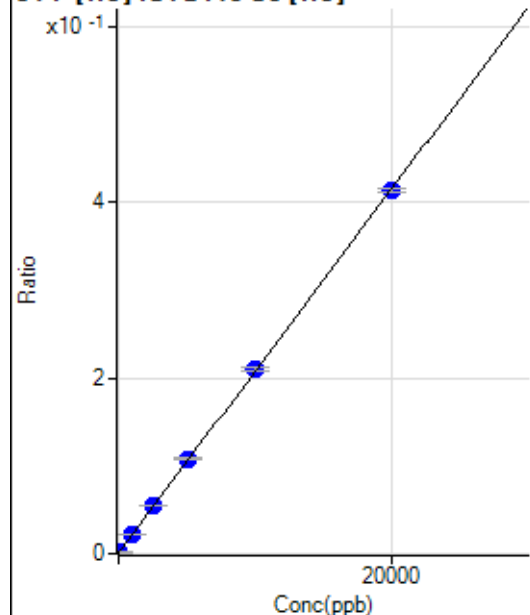
$$R = 0.9991$$

$$DL = 0.5447$$

$$BEC = 5.445$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | -6.564     | 244.45    | 0.0009 | P    | 2.2  |
| 2 | <input type="checkbox"/> | 0.000     | 6.564      | 318.89    | 0.0011 | P    | 21.7 |
| 3 | <input type="checkbox"/> | 1000.000  | 1048.280   | 6133.51   | 0.0227 | P    | 2.2  |
| 4 | <input type="checkbox"/> | 2500.000  | 2576.259   | 14393.53  | 0.0544 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 5000.000  | 5149.863   | 27547.10  | 0.1078 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 10000.000 | 10103.266  | 53261.08  | 0.2104 | P    | 1.5  |
| 7 | <input type="checkbox"/> | 20000.000 | 19898.955  | 102882.59 | 0.4135 | P    | 1.1  |
| 8 | <input type="checkbox"/> |           |            | 220.00    | 0.0010 | P    | 14.5 |

$$y = 2.0730E-005 * x + 0.0010$$

$$R = 0.9999$$

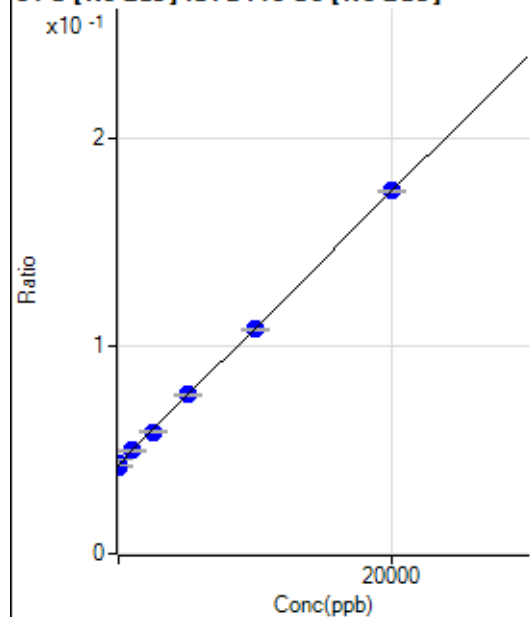
$$DL = 19.37$$

$$BEC = 48.62$$

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     | -144.211   | 124836.75 | 0.0421 | P   | 1.5 |
| 2 | <input type="checkbox"/> | 0.000     | 144.211    | 124922.97 | 0.0440 | P   | 7.8 |
| 3 | <input type="checkbox"/> | 1000.000  | 993.253    | 142613.36 | 0.0496 | P   | 0.5 |
| 4 | <input type="checkbox"/> | 2500.000  | 2361.015   | 166687.97 | 0.0586 | P   | 2.1 |
| 5 | <input type="checkbox"/> | 5000.000  | 5102.773   | 206414.76 | 0.0767 | P   | 1.7 |
| 6 | <input type="checkbox"/> | 10000.000 | 9918.392   | 288617.51 | 0.1084 | P   | 0.9 |
| 7 | <input type="checkbox"/> | 20000.000 | 20032.821  | 463704.36 | 0.1750 | P   | 0.3 |
| 8 | <input type="checkbox"/> |           |            | 107567.28 | 0.0430 | P   | 1.8 |

$$y = 6.5837E-006 * x + 0.0431$$

R = 0.9999

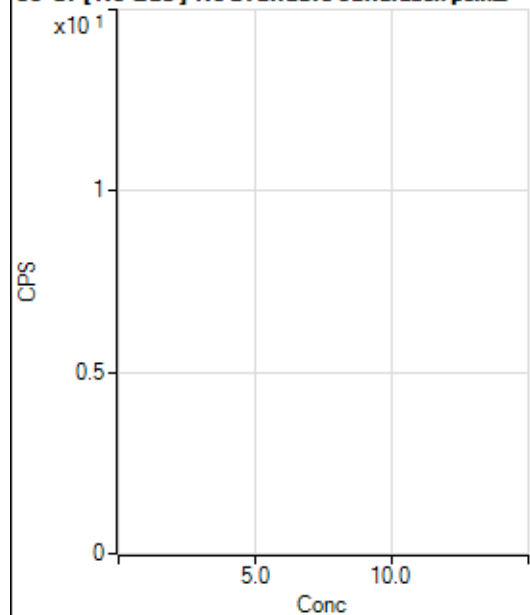
DL = 926.1

BEC = 6545

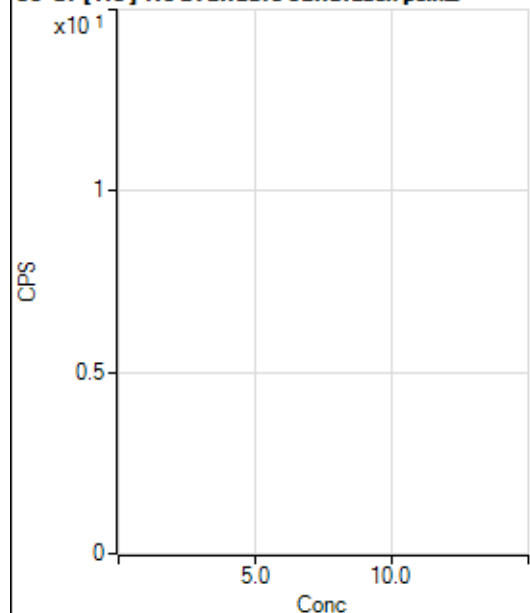
Weight: <None>

Min Conc: 0

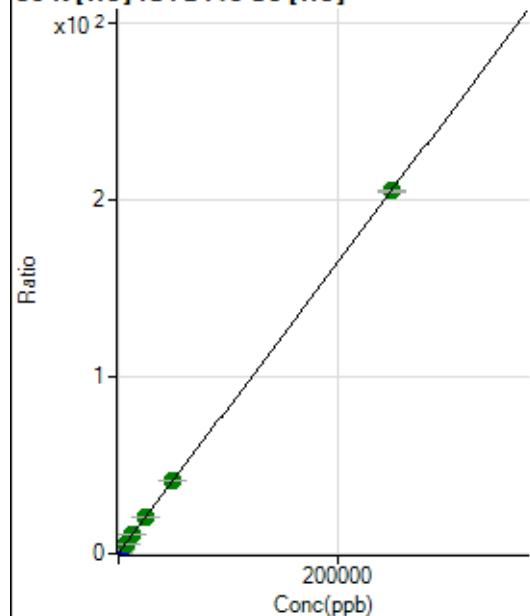
35 Cl [No Gas] No available calibration points



|   | 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      | 42045.66    | 0.1499   | P        | 0.1 |
| 2 | <input type="checkbox"/> | 500.000   | 502.597    | 156830.46   | 0.5625   | P        | 0.3 |
| 3 | <input type="checkbox"/> | 2500.000  | 2788.889   | 658031.92   | 2.4394   | P        | 0.7 |
| 4 | <input type="checkbox"/> | 6250.000  | 6479.753   | 1446904.80  | 5.4693   | A        | 2.3 |
| 5 | <input type="checkbox"/> | 12500.000 | 12832.859  | 2731536.31  | 10.6847  | A        | 0.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 25140.390  | 5261045.02  | 20.7882  | A        | 1.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 50236.288  | 10297581.10 | 41.3900  | A        | 1.7 |
| 8 | <input type="checkbox"/> | 250000.00 | 249913.42  | 46546941.53 | 205.3094 | A        | 0.4 |

$$y = 8.2092E-004 * x + 0.1499$$

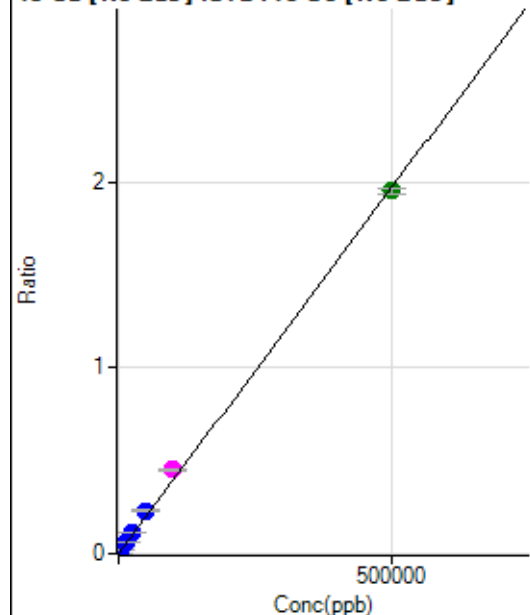
$$R = 1.0000$$

$$DL = 0.7812$$

$$BEC = 182.7$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 120.00     | 0.0000 | P    | 32.3 |
| 2 | <input type="checkbox"/> | 500.000   | 537.983    | 6123.51    | 0.0022 | P    | 9.6  |
| 3 | <input type="checkbox"/> | 5000.000  | 6172.609   | 70015.90   | 0.0244 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 12500.000 | 15105.973  | 169311.26  | 0.0596 | P    | 3.0  |
| 5 | <input type="checkbox"/> | 25000.000 | 29943.218  | 317728.74  | 0.1180 | P    | 0.3  |
| 6 | <input type="checkbox"/> | 50000.000 | 59086.789  | 620080.62  | 0.2329 | P    | 1.1  |
| 7 | <input type="checkbox"/> | 100000.00 | 114460.47  | 1195365.54 | 0.4511 | M    | 1.8  |
| 8 | <input type="checkbox"/> | 500000.00 | 495875.15  | 4885127.63 | 1.9540 | A    | 1.9  |

$$y = 3.9404\text{E-}006 * x + 4.0580\text{E-}005$$

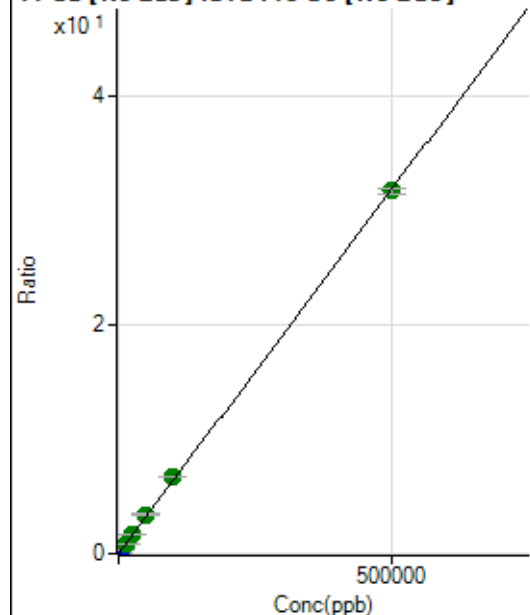
$$R = 0.9995$$

$$DL = 9.964$$

$$BEC = 10.3$$

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      | 12441.13    | 0.0042  | P    | 16.8 |
| 2 | <input type="checkbox"/> | 500.000   | 528.620    | 107166.03   | 0.0378  | P    | 7.6  |
| 3 | <input type="checkbox"/> | 5000.000  | 5895.340   | 1087967.67  | 0.3786  | P    | 1.1  |
| 4 | <input type="checkbox"/> | 12500.000 | 13675.787  | 2480933.28  | 0.8727  | A    | 2.6  |
| 5 | <input type="checkbox"/> | 25000.000 | 27210.048  | 4663056.11  | 1.7323  | A    | 1.2  |
| 6 | <input type="checkbox"/> | 50000.000 | 53932.785  | 9131759.17  | 3.4294  | A    | 1.1  |
| 7 | <input type="checkbox"/> | 100000.00 | 106042.50  | 17858260.01 | 6.7387  | A    | 0.5  |
| 8 | <input type="checkbox"/> | 500000.00 | 498249.34  | 79120721.60 | 31.6470 | A    | 1.8  |

$$y = 6.3508\text{E-}005 * x + 0.0042$$

$$R = 0.9999$$

$$DL = 33.38$$

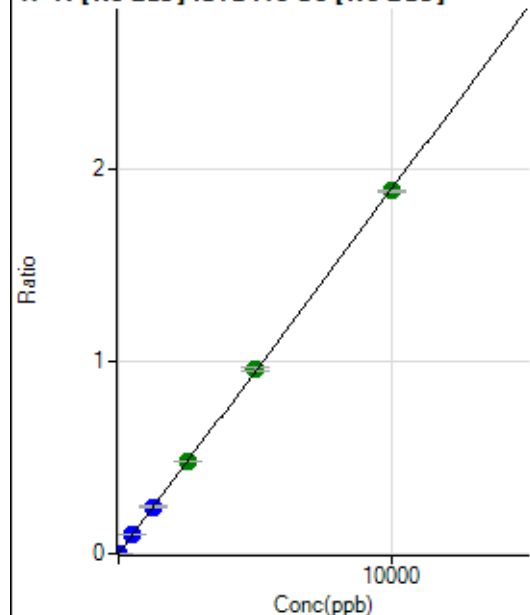
$$BEC = 66.17$$

Weight: &lt;None&gt;

Min Conc: 0



47 Ti [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      | 64.45      | 0.0000 | P    | 21.8 |
| 2 | <input type="checkbox"/> | 5.000     | 5.026      | 2773.62    | 0.0010 | P    | 4.7  |
| 3 | <input type="checkbox"/> | 500.000   | 522.302    | 284895.63  | 0.0991 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1285.872   | 693693.35  | 0.2440 | P    | 3.1  |
| 5 | <input type="checkbox"/> | 2500.000  | 2525.295   | 1290117.44 | 0.4793 | A    | 1.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 5063.746   | 2558882.44 | 0.9610 | A    | 1.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 9956.204   | 5007221.38 | 1.8894 | A    | 0.3  |
| 8 | <input type="checkbox"/> |           |            | 1436.76    | 0.0006 | P    | 29.9 |

$$y = 1.8977E-004 * x + 2.1778E-005$$

$$R = 1.0000$$

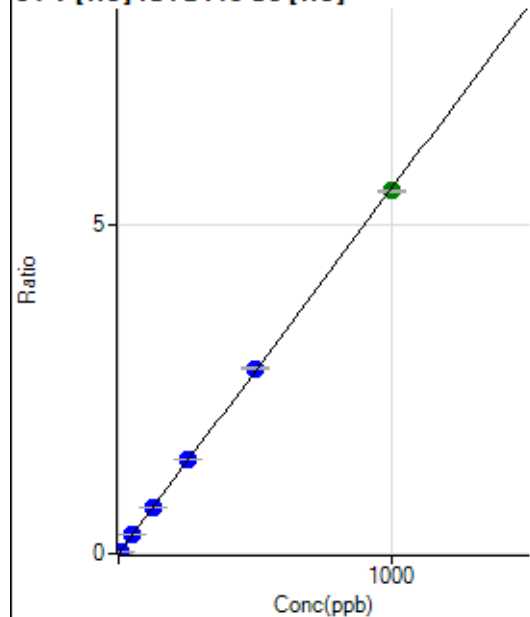
$$DL = 0.07509$$

$$BEC = 0.1148$$

Weight: &lt;None&gt;

Min Conc: 0

51 V [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      | 15.56      | 0.0001 | P    | 32.9 |
| 2 | <input type="checkbox"/> | 5.000    | 4.706      | 7286.26    | 0.0261 | P    | 0.3  |
| 3 | <input type="checkbox"/> | 50.000   | 52.476     | 78466.76   | 0.2909 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 128.401    | 188252.30  | 0.7117 | P    | 0.1  |
| 5 | <input type="checkbox"/> | 250.000  | 257.124    | 364289.27  | 1.4251 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 508.122    | 712743.62  | 2.8161 | P    | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.611    | 1370185.59 | 5.5068 | A    | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 447.79     | 0.0020 | P    | 8.2  |

$$y = 0.0055 * x + 5.5495E-005$$

$$R = 0.9999$$

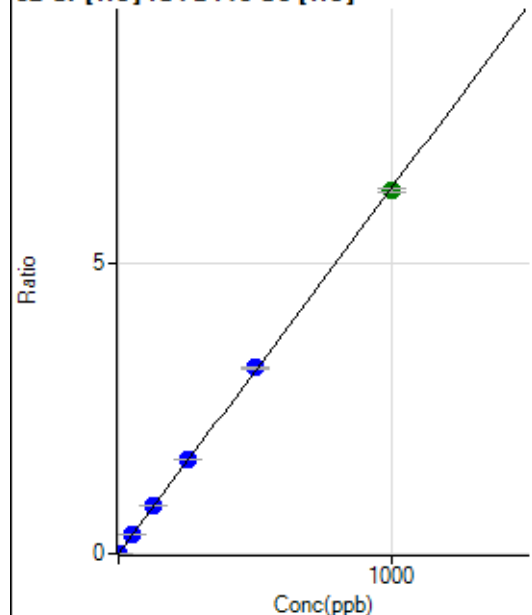
$$DL = 0.009871$$

$$BEC = 0.01001$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 755.58     | 0.0027 | P        | 5.2 |
| 2 | <input type="checkbox"/> | 2.000    | 2.016      | 4297.32    | 0.0154 | P        | 4.1 |
| 3 | <input type="checkbox"/> | 50.000   | 52.963     | 90881.42   | 0.3369 | P        | 0.2 |
| 4 | <input type="checkbox"/> | 125.000  | 129.704    | 217214.25  | 0.8211 | P        | 0.5 |
| 5 | <input type="checkbox"/> | 250.000  | 258.373    | 417486.14  | 1.6331 | P        | 0.3 |
| 6 | <input type="checkbox"/> | 500.000  | 508.908    | 813422.97  | 3.2140 | P        | 1.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 992.717    | 1559228.75 | 6.2669 | A        | 1.1 |
| 8 | <input type="checkbox"/> |          |            | 11585.66   | 0.0511 | P        | 2.6 |

$$y = 0.0063 * x + 0.0027$$

$$R = 0.9999$$

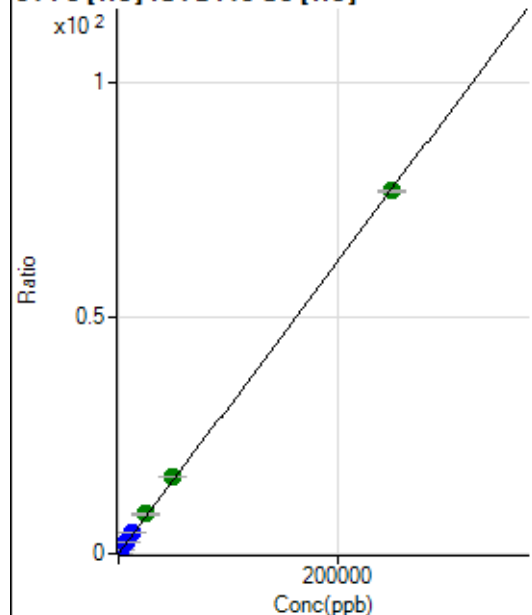
$$DL = 0.06678$$

$$BEC = 0.427$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1378.97     | 0.0049  | P        | 4.3 |
| 2 | <input type="checkbox"/> | 50.000    | 51.838     | 5833.40     | 0.0209  | P        | 1.0 |
| 3 | <input type="checkbox"/> | 2500.000  | 2941.271   | 246314.54   | 0.9131  | P        | 0.9 |
| 4 | <input type="checkbox"/> | 6250.000  | 7302.997   | 597783.99   | 2.2599  | P        | 0.6 |
| 5 | <input type="checkbox"/> | 12500.000 | 14411.837  | 1138825.12  | 4.4550  | P        | 1.0 |
| 6 | <input type="checkbox"/> | 25000.000 | 27176.940  | 2124987.28  | 8.3965  | A        | 2.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 53179.593  | 4086779.70  | 16.4256 | A        | 0.9 |
| 8 | <input type="checkbox"/> | 250000.00 | 249020.05  | 17433702.10 | 76.8966 | A        | 0.7 |

$$y = 3.0878E-004 * x + 0.0049$$

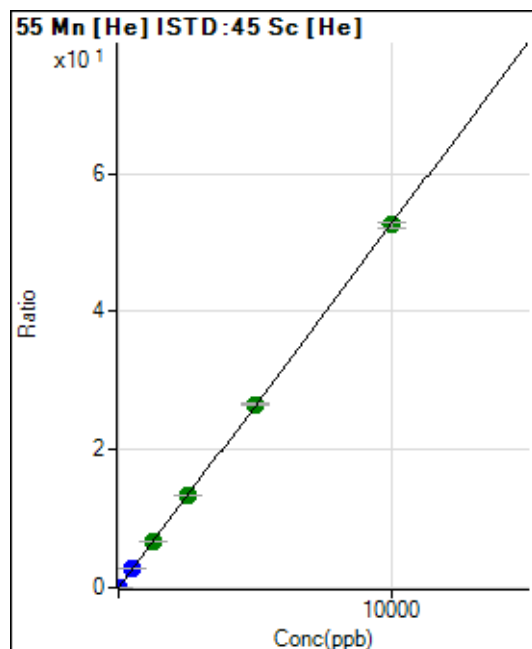
$$R = 0.9999$$

$$DL = 2.058$$

$$BEC = 15.93$$

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      | 114.45      | 0.0004  | P    | 11.8 |
| 2 | <input type="checkbox"/> | 1.000     | 1.021      | 1613.44     | 0.0058  | P    | 6.8  |
| 3 | <input type="checkbox"/> | 500.000   | 530.298    | 753960.38   | 2.7951  | P    | 1.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1267.728   | 1767368.31  | 6.6813  | A    | 0.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2545.208   | 3429017.00  | 13.4136 | A    | 0.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 5025.789   | 6703857.33  | 26.4861 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 9972.073   | 13075501.06 | 52.5528 | A    | 1.4  |
| 8 | <input type="checkbox"/> |           |            | 6511.47     | 0.0287  | P    | 1.2  |

$$y = 0.0053 * x + 4.0816E-004$$

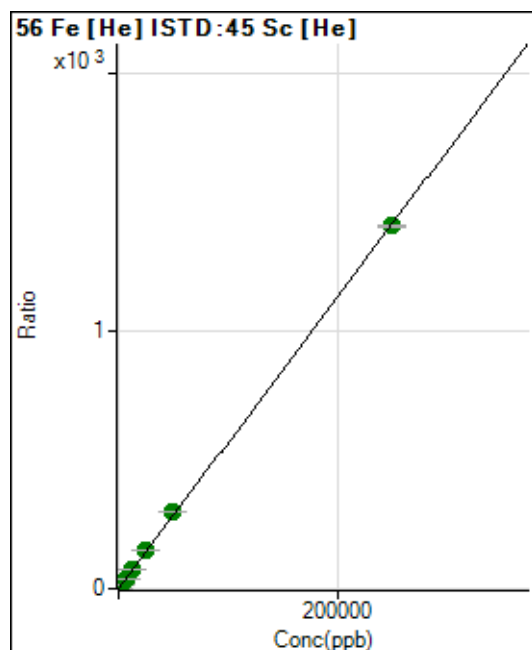
$$R = 1.0000$$

$$DL = 0.02752$$

$$BEC = 0.07745$$

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      | 10825.07    | 0.0386   | P    | 0.6 |
| 2 | <input type="checkbox"/> | 50.000    | 52.515     | 93555.00    | 0.3356   | P    | 0.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2752.252   | 4208774.04  | 15.6023  | A    | 0.5 |
| 4 | <input type="checkbox"/> | 6250.000  | 6806.035   | 10191165.47 | 38.5260  | A    | 0.6 |
| 5 | <input type="checkbox"/> | 12500.000 | 13635.047  | 19720510.12 | 77.1434  | A    | 0.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 26452.027  | 37867123.33 | 149.6220 | A    | 1.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 52493.321  | 73866558.90 | 296.8828 | A    | 1.0 |
| 8 | <input type="checkbox"/> | 250000.00 | 249282.95  | 319602970.7 | 1409.707 | A    | 0.6 |

$$y = 0.0057 * x + 0.0386$$

$$R = 0.9999$$

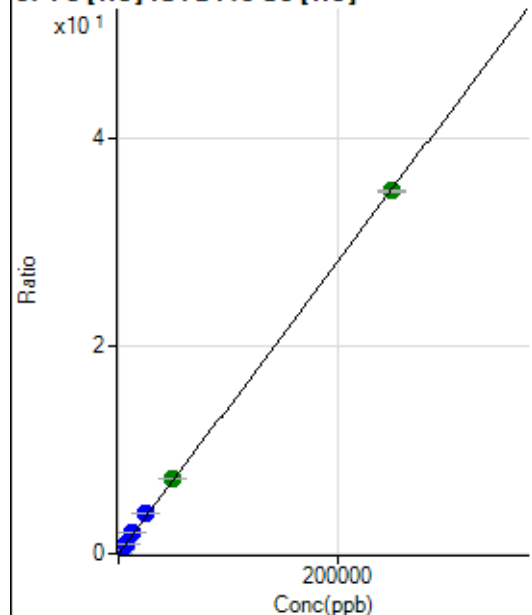
$$DL = 0.1313$$

$$BEC = 6.827$$

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      | 388.90     | 0.0014  | P    | 6.3 |
| 2 | <input type="checkbox"/> | 50.000    | 54.530     | 2519.12    | 0.0090  | P    | 1.2 |
| 3 | <input type="checkbox"/> | 2500.000  | 2904.427   | 110271.83  | 0.4088  | P    | 1.1 |
| 4 | <input type="checkbox"/> | 6250.000  | 7160.886   | 266072.70  | 1.0059  | P    | 0.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 14226.627  | 510497.79  | 1.9970  | P    | 0.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 27898.033  | 990794.60  | 3.9147  | P    | 0.9 |
| 7 | <input type="checkbox"/> | 50000.000 | 51848.450  | 1809966.29 | 7.2743  | A    | 0.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 249227.35  | 7926241.62 | 34.9610 | A    | 0.7 |

$$y = 1.4027E-004 * x + 0.0014$$

$$R = 0.9999$$

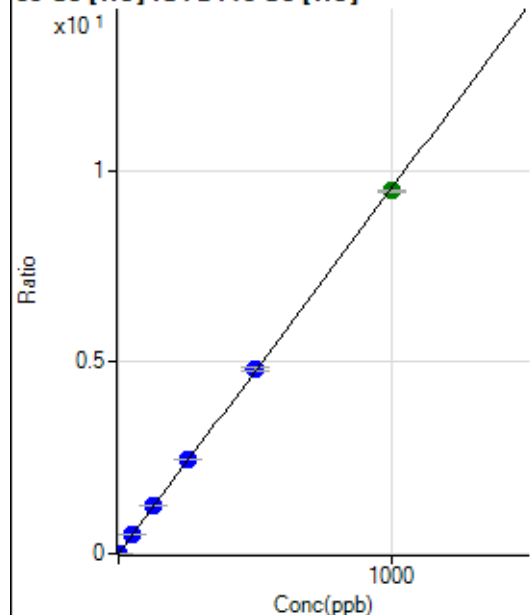
$$DL = 1.882$$

$$BEC = 9.887$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 36.67      | 0.0001 | P    | 8.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.002      | 2698.04    | 0.0097 | P    | 2.4 |
| 3 | <input type="checkbox"/> | 50.000   | 53.536     | 137561.09  | 0.5100 | P    | 1.3 |
| 4 | <input type="checkbox"/> | 125.000  | 131.544    | 331411.20  | 1.2528 | P    | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 259.304    | 631321.28  | 2.4695 | P    | 0.1 |
| 6 | <input type="checkbox"/> | 500.000  | 506.608    | 1221035.34 | 4.8247 | P    | 1.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 993.375    | 2353800.38 | 9.4602 | A    | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 2575.81    | 0.0114 | P    | 3.2 |

$$y = 0.0095 * x + 1.3075E-004$$

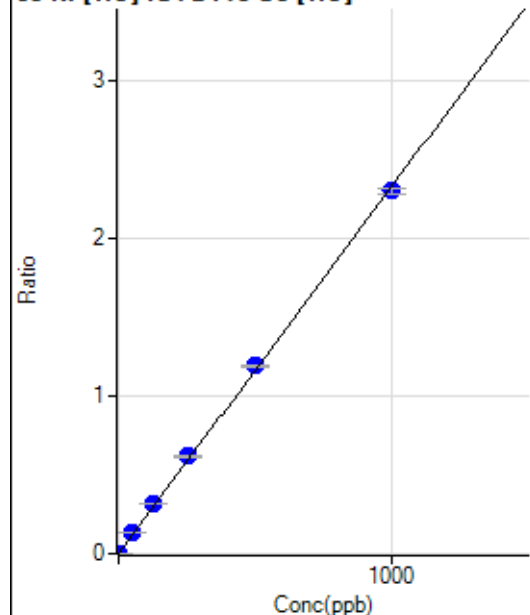
$$R = 0.9999$$

$$DL = 0.003685$$

$$BEC = 0.01373$$

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      | 113.33    | 0.0004 | P        | 15.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.109      | 832.25    | 0.0030 | P        | 3.0  |
| 3 | <input type="checkbox"/> | 50.000   | 54.988     | 34643.37  | 0.1284 | P        | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 134.894    | 83183.33  | 0.3145 | P        | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 265.010    | 157823.38 | 0.6174 | P        | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 512.021    | 301799.97 | 1.1925 | P        | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 988.751    | 572831.52 | 2.3024 | P        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 1867.92   | 0.0082 | P        | 0.6  |

$$y = 0.0023 * x + 4.0421E-004$$

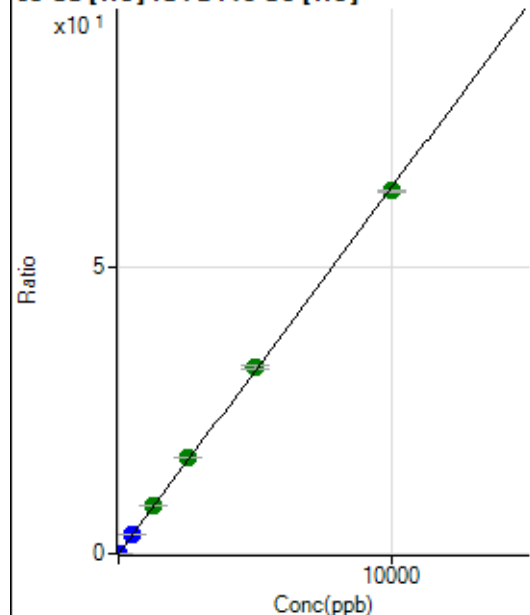
$$R = 0.9997$$

$$DL = 0.08154$$

$$BEC = 0.1736$$

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      | 677.80      | 0.0024  | P        | 13.9 |
| 2 | <input type="checkbox"/> | 2.000     | 2.021      | 4276.20     | 0.0153  | P        | 1.7  |
| 3 | <input type="checkbox"/> | 500.000   | 547.243    | 944199.44   | 3.5002  | P        | 0.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1328.401   | 2246541.75  | 8.4932  | A        | 1.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2618.214   | 4278701.29  | 16.7373 | A        | 0.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 5088.338   | 8231445.99  | 32.5257 | A        | 1.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 9914.115   | 15767505.88 | 63.3708 | A        | 0.3  |
| 8 | <input type="checkbox"/> |           |            | 2902.54     | 0.0128  | P        | 3.7  |

$$y = 0.0064 * x + 0.0024$$

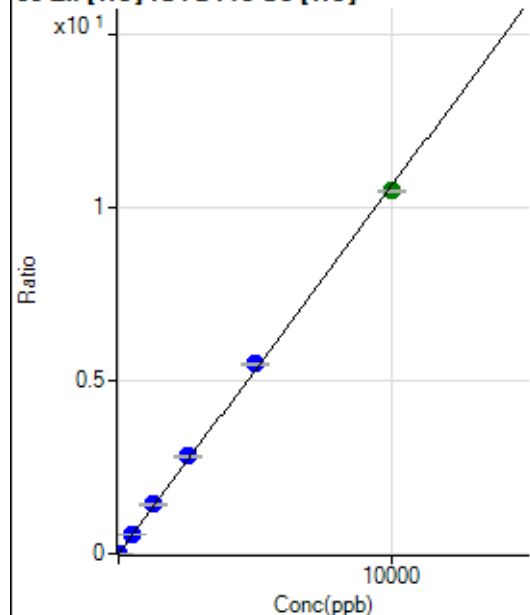
$$R = 0.9999$$

$$DL = 0.1576$$

$$BEC = 0.3782$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 141.11     | 0.0005  | P    | 17.7 |
| 2 | <input type="checkbox"/> | 2.000     | 2.289      | 817.81     | 0.0029  | P    | 1.7  |
| 3 | <input type="checkbox"/> | 500.000   | 540.390    | 154875.31  | 0.5741  | P    | 0.2  |
| 4 | <input type="checkbox"/> | 1250.000  | 1335.834   | 375222.03  | 1.4185  | P    | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2644.440   | 717723.20  | 2.8076  | P    | 0.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 5159.180   | 1386128.23 | 5.4770  | P    | 1.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 9871.551   | 2607294.86 | 10.4791 | A    | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 7051.74    | 0.0311  | P    | 3.3  |

$$y = 0.0011 * x + 5.0315E-004$$

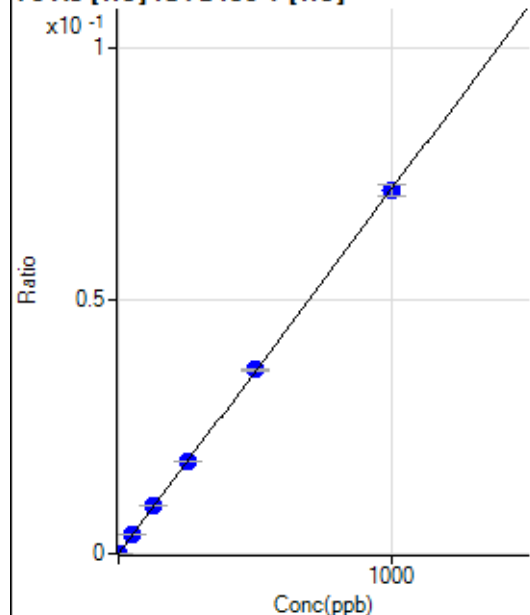
$$R = 0.9997$$

$$DL = 0.2523$$

$$BEC = 0.474$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.22      | 0.0000 | P    | 86.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.054      | 217.78    | 0.0001 | P    | 13.9 |
| 3 | <input type="checkbox"/> | 50.000   | 52.262     | 10288.09  | 0.0038 | P    | 3.4  |
| 4 | <input type="checkbox"/> | 125.000  | 131.502    | 25314.97  | 0.0095 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 250.000  | 253.398    | 47893.60  | 0.0182 | P    | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 505.166    | 94936.64  | 0.0363 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.641    | 183241.39 | 0.0716 | P    | 3.3  |
| 8 | <input type="checkbox"/> |          |            | 54.44     | 0.0000 | P    | 19.2 |

$$y = 7.1952E-005 * x + 7.7819E-007$$

$$R = 1.0000$$

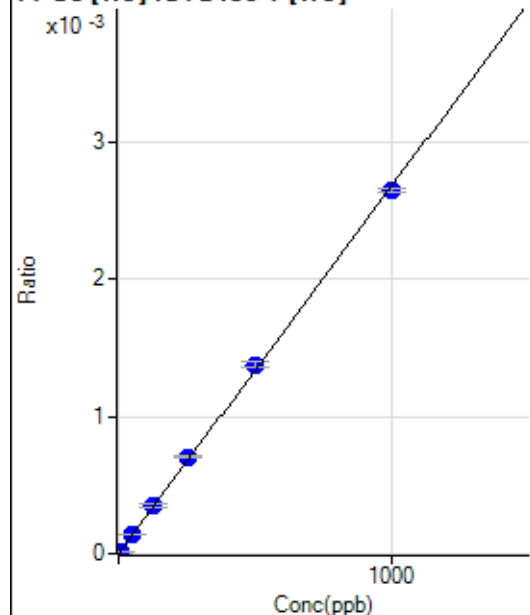
$$DL = 0.02811$$

$$BEC = 0.01082$$

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    | 4.087      | 32.22   | 0.0000 | P    | 15.7 |
| 3 | <input type="checkbox"/> | 50.000   | 52.498     | 385.57  | 0.0001 | P    | 5.7  |
| 4 | <input type="checkbox"/> | 125.000  | 131.944    | 946.71  | 0.0004 | P    | 6.7  |
| 5 | <input type="checkbox"/> | 250.000  | 264.114    | 1859.02 | 0.0007 | P    | 2.7  |
| 6 | <input type="checkbox"/> | 500.000  | 515.406    | 3604.92 | 0.0014 | P    | 3.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 987.780    | 6769.39 | 0.0026 | P    | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 7.78    | 0.0000 | P    | 49.7 |

$$y = 2.6773\text{E-}006 * x + 3.9409\text{E-}007$$

$$R = 0.9997$$

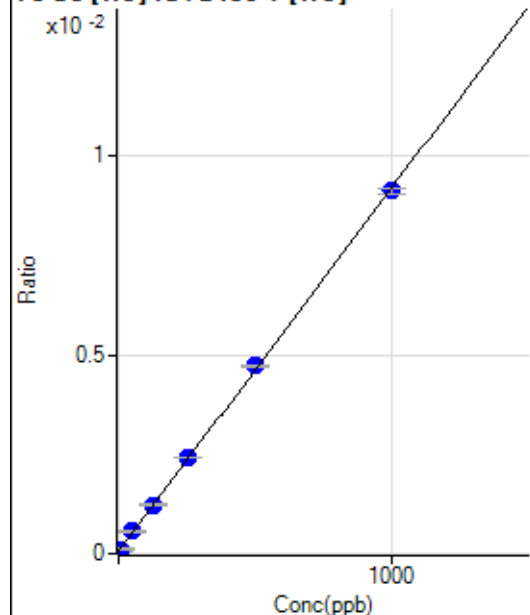
$$DL = 0.7649$$

$$BEC = 0.1472$$

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      | 172.23   | 0.0001 | P    | 4.4  |
| 2 | <input type="checkbox"/> | 5.000    | 6.515      | 341.12   | 0.0001 | P    | 5.7  |
| 3 | <input type="checkbox"/> | 50.000   | 54.391     | 1525.65  | 0.0006 | P    | 7.5  |
| 4 | <input type="checkbox"/> | 125.000  | 127.248    | 3272.62  | 0.0012 | P    | 6.0  |
| 5 | <input type="checkbox"/> | 250.000  | 258.114    | 6358.08  | 0.0024 | P    | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 509.867    | 12334.11 | 0.0047 | P    | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.530    | 23377.41 | 0.0091 | P    | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 152.22   | 0.0001 | P    | 15.1 |

$$y = 9.1436\text{E-}006 * x + 6.0457\text{E-}005$$

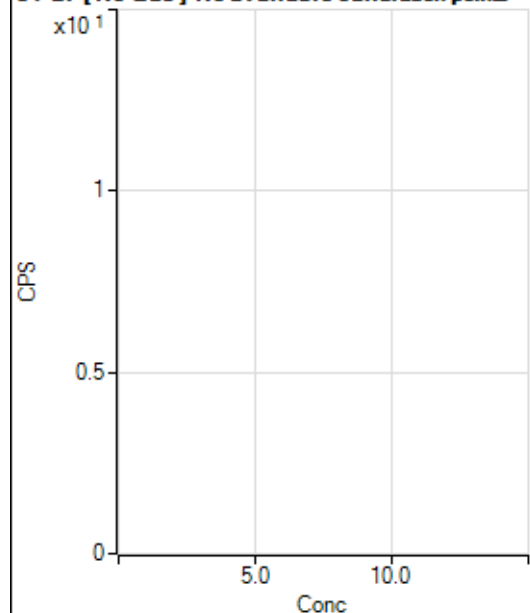
$$R = 0.9999$$

$$DL = 0.8767$$

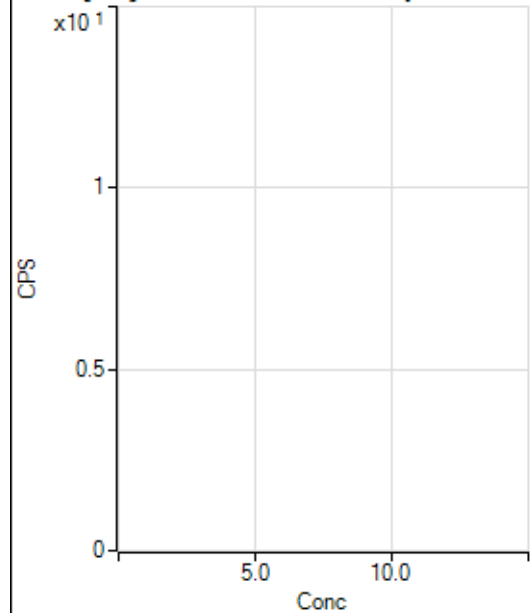
$$BEC = 6.612$$

Weight: &lt;None&gt;

Min Conc: 0

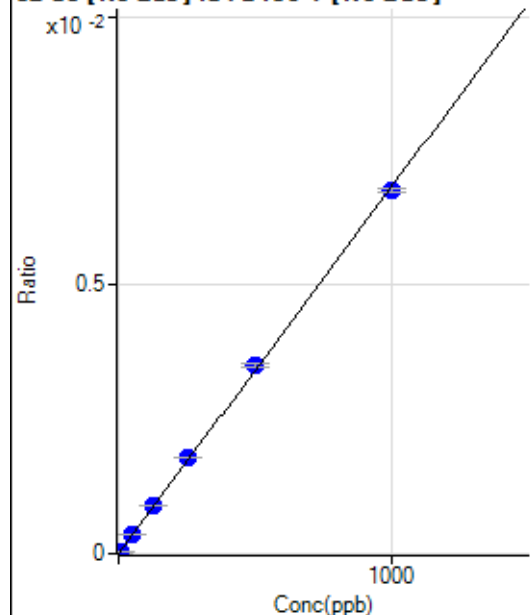
**81 Br [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 38792.20 |       | P        | 1.0 |
| 2 | <input type="checkbox"/> |       |            | 38763.08 |       | P        | 0.3 |
| 3 | <input type="checkbox"/> |       |            | 38278.53 |       | P        | 1.6 |
| 4 | <input type="checkbox"/> |       |            | 36164.39 |       | P        | 1.3 |
| 5 | <input type="checkbox"/> |       |            | 34394.55 |       | P        | 1.2 |
| 6 | <input type="checkbox"/> |       |            | 33221.92 |       | P        | 0.7 |
| 7 | <input type="checkbox"/> |       |            | 32677.39 |       | P        | 1.3 |
| 8 | <input type="checkbox"/> |       |            | 31645.08 |       | P        | 2.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 75.55 |       | P        | 17.8 |
| 2 | <input type="checkbox"/> |       |            | 78.89 |       | P        | 9.8  |
| 3 | <input type="checkbox"/> |       |            | 48.89 |       | P        | 58.0 |
| 4 | <input type="checkbox"/> |       |            | 62.22 |       | P        | 6.2  |
| 5 | <input type="checkbox"/> |       |            | 57.78 |       | P        | 23.3 |
| 6 | <input type="checkbox"/> |       |            | 48.89 |       | P        | 14.2 |
| 7 | <input type="checkbox"/> |       |            | 60.00 |       | P        | 28.9 |
| 8 | <input type="checkbox"/> |       |            | 66.67 |       | P        | 21.8 |



**82 Se [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      | 7.82     | 0.0000 | P    | 401. |
| 2 | <input type="checkbox"/> | 5.000    | 5.254      | 379.18   | 0.0000 | P    | 14.8 |
| 3 | <input type="checkbox"/> | 50.000   | 53.322     | 3889.84  | 0.0004 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 130.247    | 9441.22  | 0.0009 | P    | 2.0  |
| 5 | <input type="checkbox"/> | 250.000  | 263.136    | 18301.08 | 0.0018 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 513.713    | 36039.28 | 0.0035 | P    | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.036    | 68818.43 | 0.0068 | P    | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 170.66   | 0.0000 | P    | 11.8 |

$$y = 6.8365E-006 * x + 7.1315E-007$$

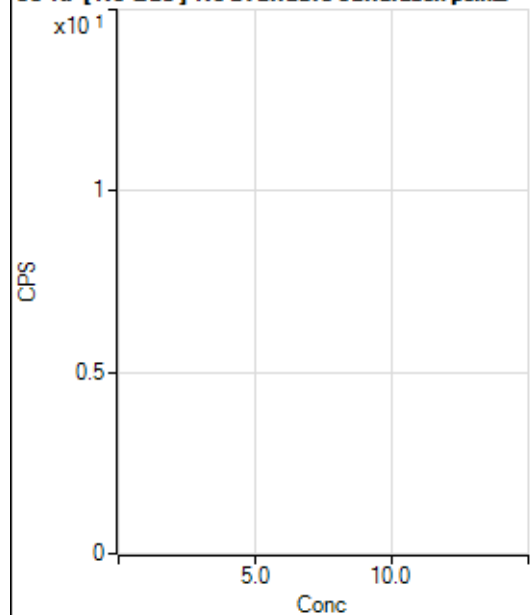
$$R = 0.9998$$

$$DL = 1.256$$

$$BEC = 0.1043$$

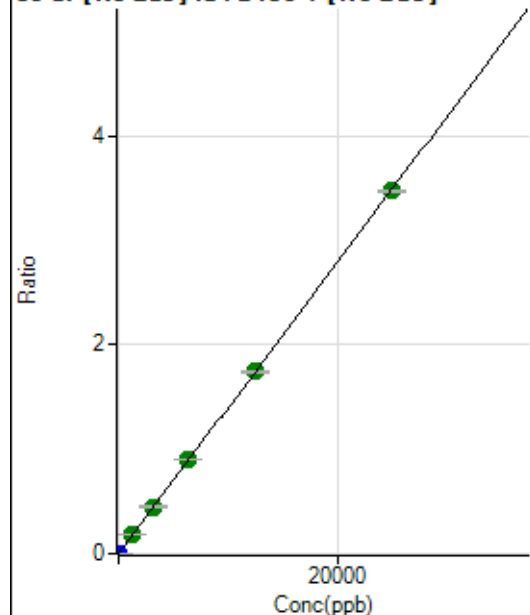
Weight: &lt;None&gt;

Min Conc: 0

**83 Kr [No Gas] No available calibration points**

|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS   | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|-------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 77.78 |       | P    | 17.8 |
| 2 | <input type="checkbox"/> |       |            | 64.45 |       | P    | 37.4 |
| 3 | <input type="checkbox"/> |       |            | 77.78 |       | P    | 27.9 |
| 4 | <input type="checkbox"/> |       |            | 76.67 |       | P    | 11.5 |
| 5 | <input type="checkbox"/> |       |            | 66.67 |       | P    | 27.8 |
| 6 | <input type="checkbox"/> |       |            | 88.89 |       | P    | 36.4 |
| 7 | <input type="checkbox"/> |       |            | 80.00 |       | P    | 29.2 |
| 8 | <input type="checkbox"/> |       |            | 98.89 |       | P    | 20.6 |

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      | 138.89      | 0.0000 | P    | 10.6 |
| 2 | <input type="checkbox"/> | 1.000     | 1.005      | 1583.44     | 0.0002 | P    | 9.7  |
| 3 | <input type="checkbox"/> | 1250.000  | 1303.416   | 1935124.66  | 0.1817 | A    | 0.3  |
| 4 | <input type="checkbox"/> | 3125.000  | 3218.198   | 4752994.89  | 0.4486 | A    | 1.9  |
| 5 | <input type="checkbox"/> | 6250.000  | 6438.834   | 9127998.68  | 0.8976 | A    | 0.6  |
| 6 | <input type="checkbox"/> | 12500.000 | 12504.586  | 17883704.32 | 1.7431 | A    | 1.7  |
| 7 | <input type="checkbox"/> | 25000.000 | 24936.178  | 35376852.81 | 3.4761 | A    | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 12917.12    | 0.0014 | P    | 22.6 |

$$y = 1.3940\text{E-}004 * x + 1.2740\text{E-}005$$

$$R = 1.0000$$

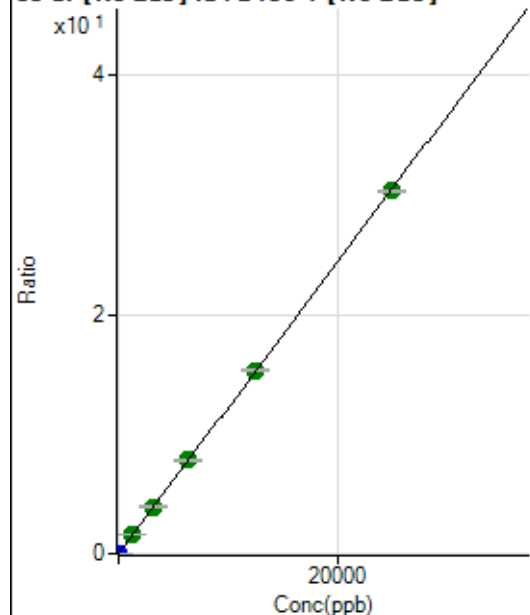
$$DL = 0.02908$$

$$BEC = 0.09139$$

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      | 160.00      | 0.0000  | P    | 6.2  |
| 2 | <input type="checkbox"/> | 1.000     | 0.999      | 12753.39    | 0.0012  | P    | 9.7  |
| 3 | <input type="checkbox"/> | 1250.000  | 1298.922   | 16834321.83 | 1.5807  | A    | 0.6  |
| 4 | <input type="checkbox"/> | 3125.000  | 3217.132   | 41477077.99 | 3.9151  | A    | 2.3  |
| 5 | <input type="checkbox"/> | 6250.000  | 6408.262   | 79303592.15 | 7.7986  | A    | 0.6  |
| 6 | <input type="checkbox"/> | 12500.000 | 12562.570  | 156858958.7 | 15.2881 | A    | 0.9  |
| 7 | <input type="checkbox"/> | 25000.000 | 24915.187  | 308579650.9 | 30.3206 | A    | 0.7  |
| 8 | <input type="checkbox"/> |           |            | 113033.56   | 0.0121  | P    | 21.0 |

$$y = 0.0012 * x + 1.4678\text{E-}005$$

$$R = 1.0000$$

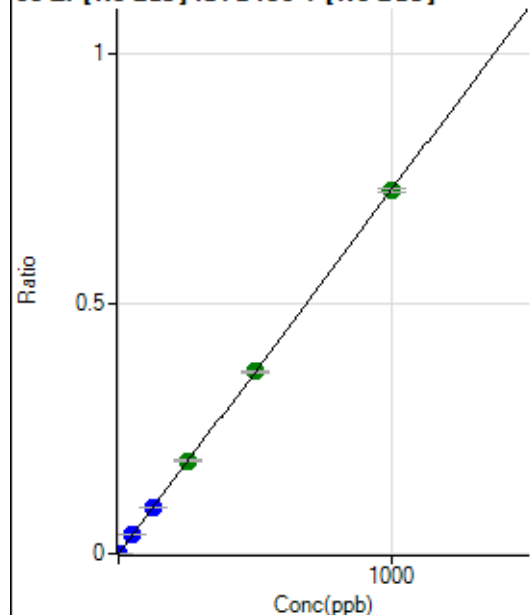
$$DL = 0.002251$$

$$BEC = 0.01206$$

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      | 380.01     | 0.0000 | P    | 4.3  |
| 2 | <input type="checkbox"/> | 1.000    | 0.940      | 7451.96    | 0.0007 | P    | 10.1 |
| 3 | <input type="checkbox"/> | 50.000   | 51.696     | 401056.00  | 0.0377 | P    | 1.4  |
| 4 | <input type="checkbox"/> | 125.000  | 127.737    | 985328.69  | 0.0930 | P    | 2.4  |
| 5 | <input type="checkbox"/> | 250.000  | 255.717    | 1893188.29 | 0.1862 | A    | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 501.854    | 3748094.67 | 0.3653 | A    | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.217    | 7386960.10 | 0.7259 | A    | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 2486.92    | 0.0003 | P    | 24.5 |

$$y = 7.2784\text{E-}004 * x + 3.4859\text{E-}005$$

$$R = 1.0000$$

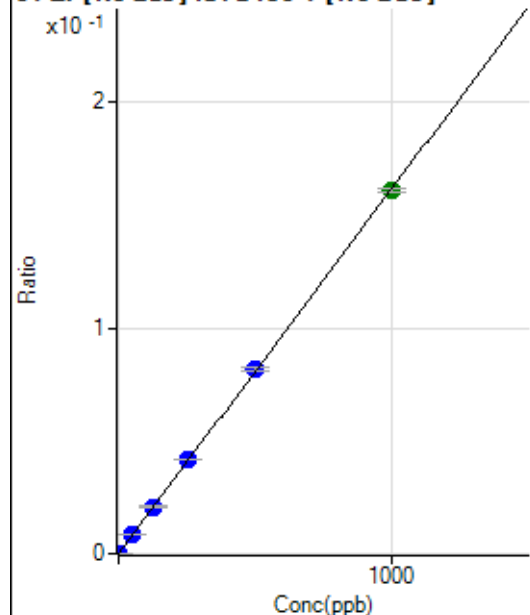
$$DL = 0.006134$$

$$BEC = 0.04789$$

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      | 65.55      | 0.0000 | P    | 24.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.982      | 1706.78    | 0.0002 | P    | 7.5  |
| 3 | <input type="checkbox"/> | 50.000   | 51.801     | 89076.75   | 0.0084 | P    | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 128.541    | 219794.70  | 0.0207 | P    | 2.6  |
| 5 | <input type="checkbox"/> | 250.000  | 256.861    | 421535.36  | 0.0415 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 505.048    | 836146.65  | 0.0815 | P    | 1.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.228    | 1634398.73 | 0.1606 | A    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 545.57     | 0.0001 | P    | 25.2 |

$$y = 1.6136\text{E-}004 * x + 6.0150\text{E-}006$$

$$R = 1.0000$$

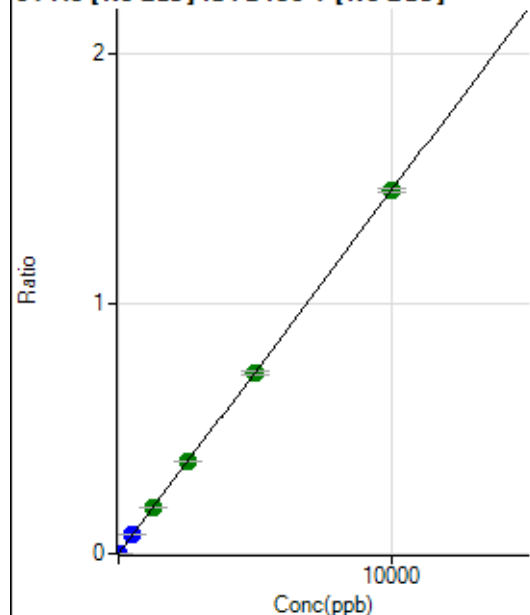
$$DL = 0.02705$$

$$BEC = 0.03728$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 116.67      | 0.0000 | P    | 15.0 |
| 2 | <input type="checkbox"/> | 5.000     | 5.708      | 8724.89     | 0.0008 | P    | 7.7  |
| 3 | <input type="checkbox"/> | 500.000   | 524.851    | 813147.43   | 0.0764 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1277.368   | 1968615.18  | 0.1858 | A    | 2.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2549.035   | 3770702.48  | 0.3708 | A    | 0.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 4992.115   | 7449870.79  | 0.7262 | A    | 2.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 9987.020   | 14784635.75 | 1.4528 | A    | 1.2  |
| 8 | <input type="checkbox"/> |           |            | 4873.12     | 0.0005 | P    | 22.4 |

$$y = 1.4546E-004 * x + 1.0704E-005$$

$$R = 1.0000$$

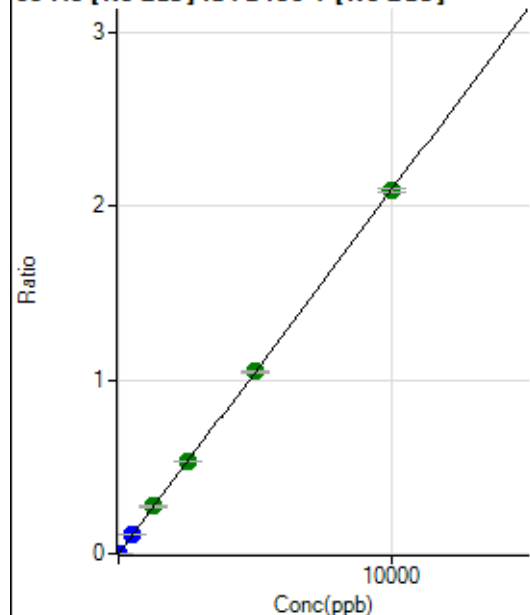
$$DL = 0.03302$$

$$BEC = 0.07359$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 30.00       | 0.0000 | P    | 29.6 |
| 2 | <input type="checkbox"/> | 5.000     | 4.911      | 10675.07    | 0.0010 | P    | 8.9  |
| 3 | <input type="checkbox"/> | 500.000   | 526.683    | 1172917.34  | 0.1101 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1301.337   | 2882798.84  | 0.2721 | A    | 3.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2556.837   | 5437322.28  | 0.5347 | A    | 0.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 5000.924   | 10729161.72 | 1.0458 | A    | 1.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 9977.578   | 21234184.27 | 2.0865 | A    | 1.1  |
| 8 | <input type="checkbox"/> |           |            | 6055.84     | 0.0006 | P    | 27.8 |

$$y = 2.0912E-004 * x + 2.7536E-006$$

$$R = 1.0000$$

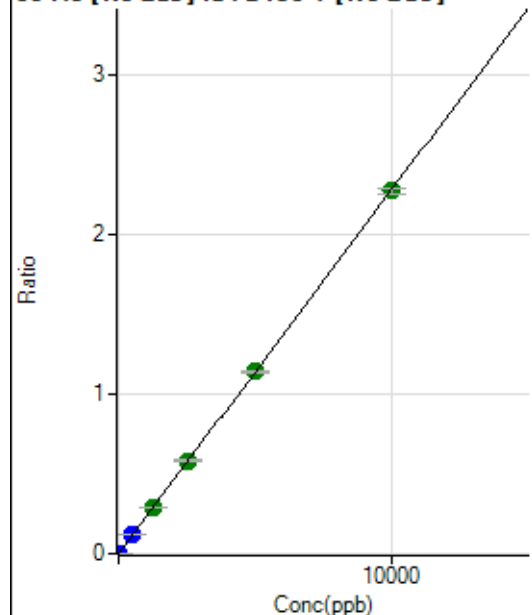
$$DL = 0.01169$$

$$BEC = 0.01317$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 80.00       | 0.0000 | P        | 19.1 |
| 2 | <input type="checkbox"/> | 5.000     | 4.942      | 11752.57    | 0.0011 | P        | 10.8 |
| 3 | <input type="checkbox"/> | 500.000   | 526.422    | 1278946.32  | 0.1201 | P        | 1.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1277.980   | 3088968.11  | 0.2916 | A        | 1.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2563.954   | 5947932.97  | 0.5849 | A        | 1.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 5007.959   | 11721647.19 | 1.1425 | A        | 1.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 9975.214   | 23158464.38 | 2.2757 | A        | 1.7  |
| 8 | <input type="checkbox"/> |           |            | 17529.63    | 0.0019 | P        | 9.8  |

$$y = 2.2813E-004 * x + 7.3395E-006$$

$$R = 1.0000$$

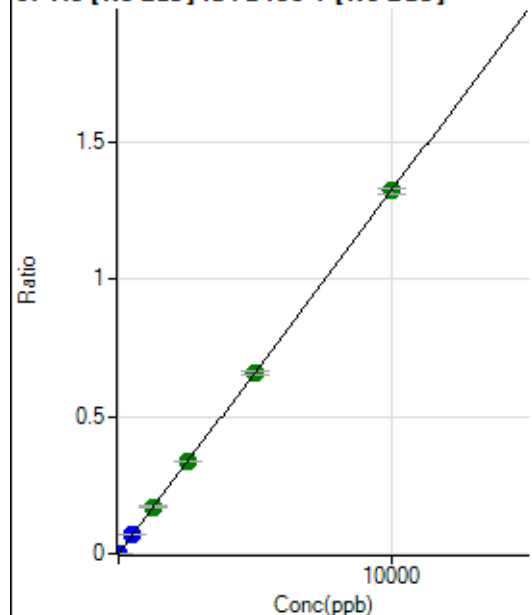
$$DL = 0.01846$$

$$BEC = 0.03217$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 16.67       | 0.0000 | P        | 87.1 |
| 2 | <input type="checkbox"/> | 5.000     | 4.966      | 6828.34     | 0.0007 | P        | 6.7  |
| 3 | <input type="checkbox"/> | 500.000   | 523.471    | 736710.51   | 0.0692 | P        | 0.8  |
| 4 | <input type="checkbox"/> | 1250.000  | 1291.854   | 1808886.32  | 0.1707 | A        | 1.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2549.162   | 3425720.51  | 0.3369 | A        | 0.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 4975.619   | 6745468.79  | 0.6575 | A        | 2.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 9993.495   | 13439967.30 | 1.3207 | A        | 1.4  |
| 8 | <input type="checkbox"/> |           |            | 4012.84     | 0.0004 | P        | 26.6 |

$$y = 1.3215E-004 * x + 1.5278E-006$$

$$R = 1.0000$$

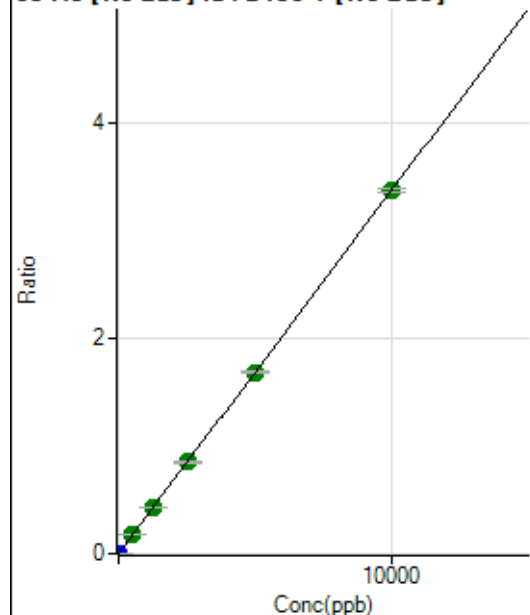
$$DL = 0.03022$$

$$BEC = 0.01156$$

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      | 30.00       | 0.0000 | P    | 10.8 |
| 2 | <input type="checkbox"/> | 5.000     | 4.861      | 16998.87    | 0.0016 | P    | 8.0  |
| 3 | <input type="checkbox"/> | 500.000   | 517.123    | 1853454.71  | 0.1741 | A    | 1.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1281.704   | 4570508.96  | 0.4314 | A    | 1.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2524.530   | 8639786.40  | 0.8497 | A    | 2.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 5002.384   | 17273601.83 | 1.6837 | A    | 1.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 9987.857   | 34212794.77 | 3.3617 | A    | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 9633.53     | 0.0010 | P    | 32.2 |

$$y = 3.3658\text{E-}004 * x + 2.7516\text{E-}006$$

$$R = 1.0000$$

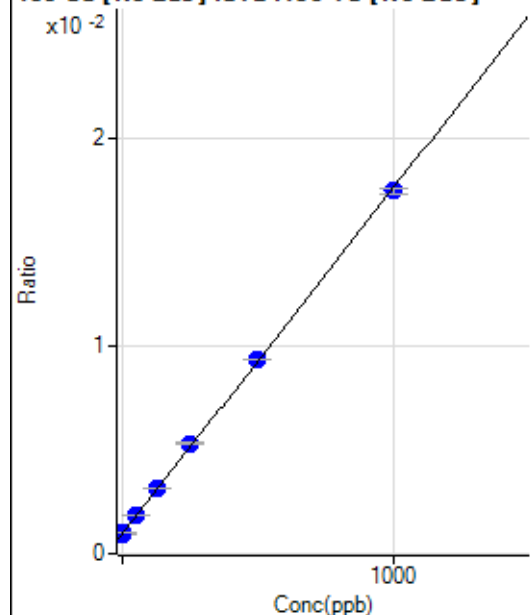
$$DL = 0.002656$$

$$BEC = 0.008175$$

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      | 6993.97   | 0.0010 | P    | 2.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.462      | 6883.93   | 0.0010 | P    | 0.3 |
| 3 | <input type="checkbox"/> | 50.000   | 52.109     | 13166.07  | 0.0018 | P    | 2.4 |
| 4 | <input type="checkbox"/> | 125.000  | 131.916    | 23033.84  | 0.0032 | P    | 1.9 |
| 5 | <input type="checkbox"/> | 250.000  | 261.811    | 37829.11  | 0.0053 | P    | 1.0 |
| 6 | <input type="checkbox"/> | 500.000  | 505.817    | 67176.50  | 0.0094 | P    | 0.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 993.168    | 124144.05 | 0.0174 | P    | 1.7 |
| 8 | <input type="checkbox"/> |          |            | 5664.49   | 0.0009 | P    | 0.2 |

$$y = 1.6589\text{E-}005 * x + 9.6335\text{E-}004$$

$$R = 0.9999$$

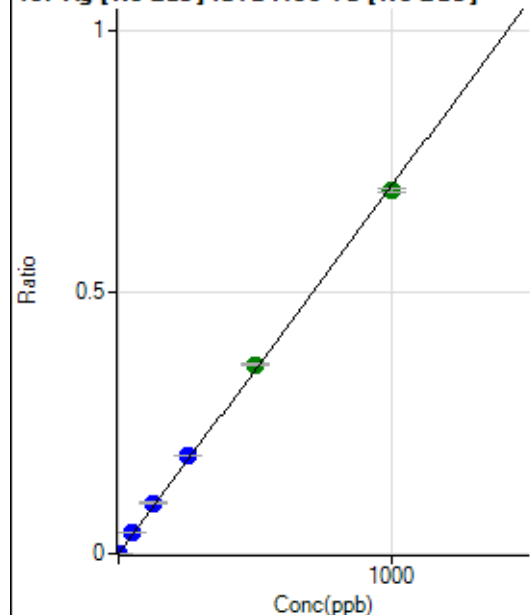
$$DL = 5.134$$

$$BEC = 58.07$$

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      | 78.89      | 0.0000 | P    | 23.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.065      | 5273.22    | 0.0008 | P    | 5.1  |
| 3 | <input type="checkbox"/> | 50.000   | 57.178     | 289178.95  | 0.0401 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 137.823    | 707086.77  | 0.0968 | P    | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 266.516    | 1333720.69 | 0.1871 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 514.294    | 2592643.14 | 0.3610 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 986.762    | 4931119.54 | 0.6927 | A    | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 2455.79    | 0.0004 | P    | 8.0  |

$$y = 7.0194\text{E-}004 * x + 1.0864\text{E-}005$$

$$R = 0.9997$$

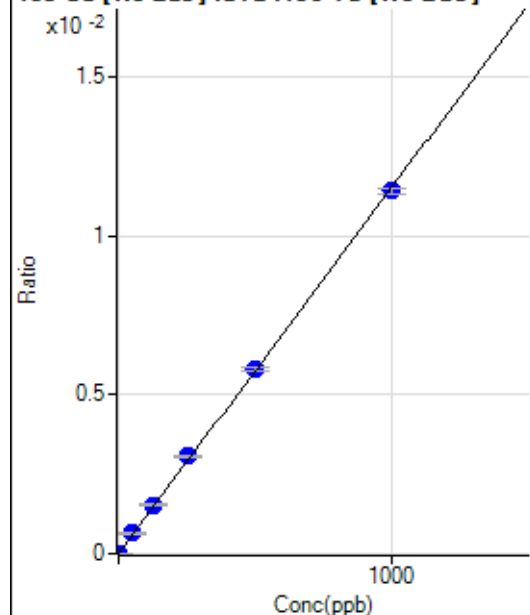
$$DL = 0.01111$$

$$BEC = 0.01548$$

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      | 12.22    | 0.0000 | P    | 15.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.906      | 84.45    | 0.0000 | P    | 2.5  |
| 3 | <input type="checkbox"/> | 50.000   | 55.071     | 4585.21  | 0.0006 | P    | 2.0  |
| 4 | <input type="checkbox"/> | 125.000  | 133.095    | 11222.20 | 0.0015 | P    | 3.6  |
| 5 | <input type="checkbox"/> | 250.000  | 267.240    | 21972.27 | 0.0031 | P    | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 505.493    | 41856.90 | 0.0058 | P    | 1.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.678    | 81390.87 | 0.0114 | P    | 1.9  |
| 8 | <input type="checkbox"/> |          |            | 70.00    | 0.0000 | P    | 36.0 |

$$y = 1.1528\text{E-}005 * x + 1.6834\text{E-}006$$

$$R = 0.9998$$

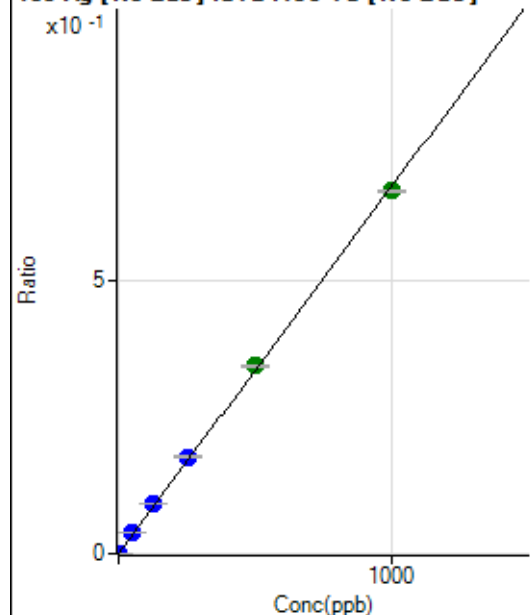
$$DL = 0.06937$$

$$BEC = 0.146$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 16.66      | 0.0000 | P    | 34.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.102      | 5165.41    | 0.0007 | P    | 6.1  |
| 3 | <input type="checkbox"/> | 50.000   | 56.691     | 274557.45  | 0.0381 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 137.068    | 673442.25  | 0.0922 | P    | 2.0  |
| 5 | <input type="checkbox"/> | 250.000  | 264.255    | 1266531.58 | 0.1777 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 512.159    | 2472728.68 | 0.3443 | A    | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 988.514    | 4731508.23 | 0.6646 | A    | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 2279.09    | 0.0004 | P    | 11.6 |

$$y = 6.7232\text{E-}004 * x + 2.2947\text{E-}006$$

$$R = 0.9997$$

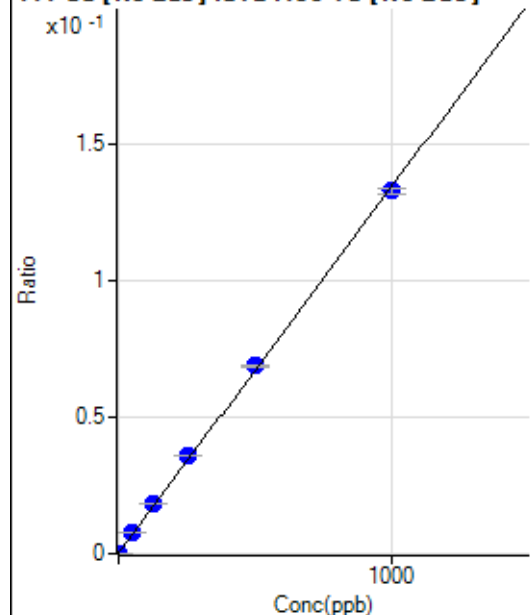
$$DL = 0.003535$$

$$BEC = 0.003413$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1396.91   | 0.0002 | P    | 3.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.102      | 2366.61   | 0.0003 | P    | 5.3 |
| 3 | <input type="checkbox"/> | 50.000   | 55.664     | 55193.75  | 0.0077 | P    | 0.9 |
| 4 | <input type="checkbox"/> | 125.000  | 135.188    | 133981.68 | 0.0183 | P    | 2.2 |
| 5 | <input type="checkbox"/> | 250.000  | 265.046    | 254931.69 | 0.0358 | P    | 0.8 |
| 6 | <input type="checkbox"/> | 500.000  | 511.565    | 494383.37 | 0.0688 | P    | 0.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 988.899    | 946099.37 | 0.1329 | P    | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 1443.91   | 0.0002 | P    | 2.6 |

$$y = 1.3420\text{E-}004 * x + 1.9241\text{E-}004$$

$$R = 0.9998$$

$$DL = 0.1429$$

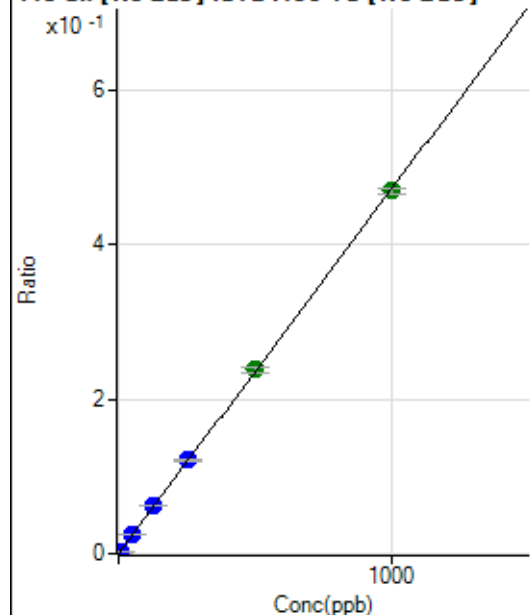
$$BEC = 1.434$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 836.70     | 0.0001 | P    | 4.3  |
| 2 | <input type="checkbox"/> | 5.000    | 5.153      | 17686.47   | 0.0025 | P    | 8.3  |
| 3 | <input type="checkbox"/> | 50.000   | 53.992     | 184395.94  | 0.0256 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 130.982    | 452620.74  | 0.0619 | P    | 2.3  |
| 5 | <input type="checkbox"/> | 250.000  | 256.226    | 862978.45  | 0.1211 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 504.232    | 1709908.41 | 0.2381 | A    | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.379    | 3345524.19 | 0.4699 | A    | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 2347.99    | 0.0004 | P    | 10.0 |

$$y = 4.7201\text{E-}004 * x + 1.1525\text{E-}004$$

$$R = 1.0000$$

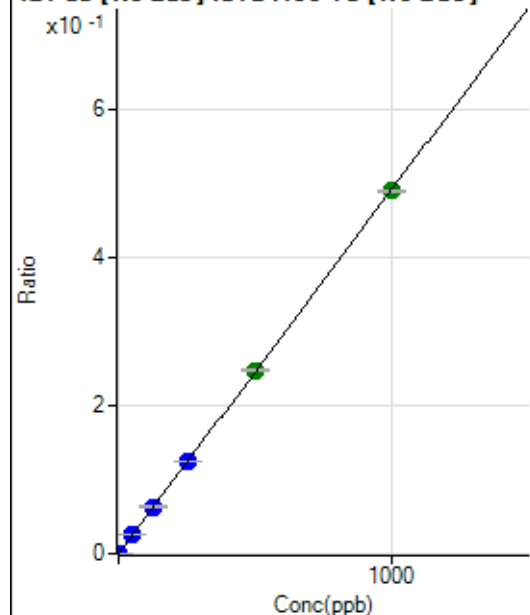
$$DL = 0.03146$$

$$BEC = 0.2442$$

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      | 21.11      | 0.0000 | P    | 32.8 |
| 2 | <input type="checkbox"/> | 2.000    | 1.997      | 6850.59    | 0.0010 | P    | 7.0  |
| 3 | <input type="checkbox"/> | 50.000   | 52.047     | 184555.51  | 0.0256 | P    | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 127.938    | 460205.56  | 0.0630 | P    | 2.5  |
| 5 | <input type="checkbox"/> | 250.000  | 252.719    | 886831.55  | 0.1244 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 503.360    | 1779366.80 | 0.2478 | A    | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.171    | 3494587.76 | 0.4909 | A    | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 2152.41    | 0.0003 | P    | 7.9  |

$$y = 4.9224\text{E-}004 * x + 2.9074\text{E-}006$$

$$R = 1.0000$$

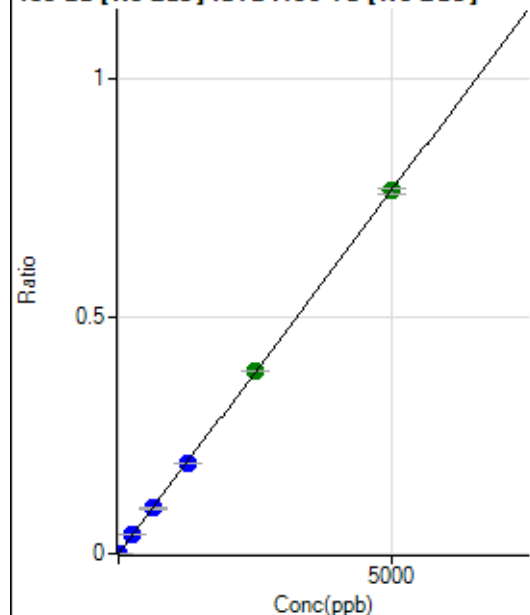
$$DL = 0.005817$$

$$BEC = 0.005907$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 12.22      | 0.0000 | P    | 15.7 |
| 2 | <input type="checkbox"/> | 10.000   | 9.665      | 10288.23   | 0.0015 | P    | 6.8  |
| 3 | <input type="checkbox"/> | 250.000  | 255.558    | 281692.16  | 0.0391 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 625.000  | 628.877    | 703187.15  | 0.0962 | P    | 2.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1240.651   | 1353363.09 | 0.1898 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2508.662   | 2756754.58 | 0.3839 | A    | 0.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4997.245   | 5443678.42 | 0.7647 | A    | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 3689.41    | 0.0006 | P    | 11.0 |

$$y = 1.5302\text{E-}004 * x + 1.6832\text{E-}006$$

$$R = 1.0000$$

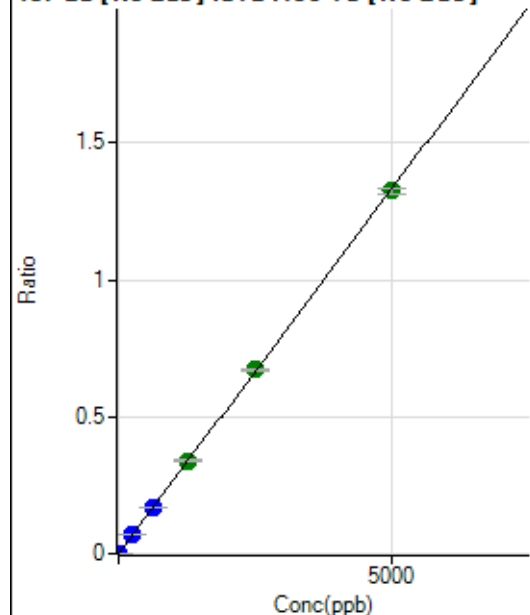
$$DL = 0.005185$$

$$BEC = 0.011$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 16.67      | 0.0000 | P    | 69.4 |
| 2 | <input type="checkbox"/> | 10.000   | 9.792      | 18101.61   | 0.0026 | P    | 8.3  |
| 3 | <input type="checkbox"/> | 250.000  | 258.558    | 495448.40  | 0.0688 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 625.000  | 634.147    | 1232759.36 | 0.1687 | P    | 2.3  |
| 5 | <input type="checkbox"/> | 1250.000 | 1276.456   | 2420712.95 | 0.3396 | A    | 0.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2529.683   | 4832791.42 | 0.6730 | A    | 0.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 4976.973   | 9425443.82 | 1.3240 | A    | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 6409.30    | 0.0010 | P    | 13.6 |

$$y = 2.6602\text{E-}004 * x + 2.2967\text{E-}006$$

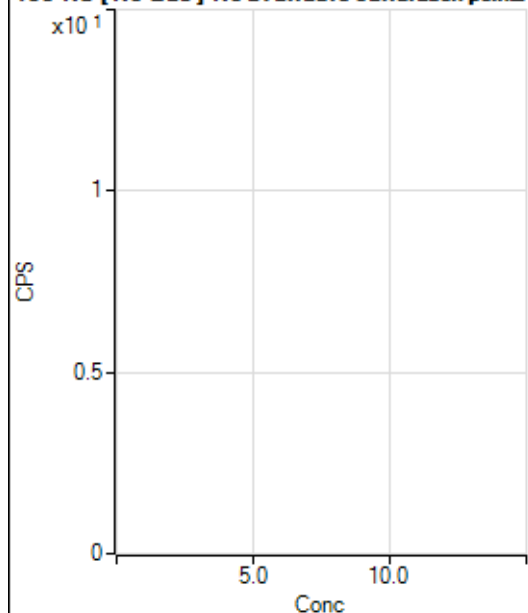
$$R = 1.0000$$

$$DL = 0.01797$$

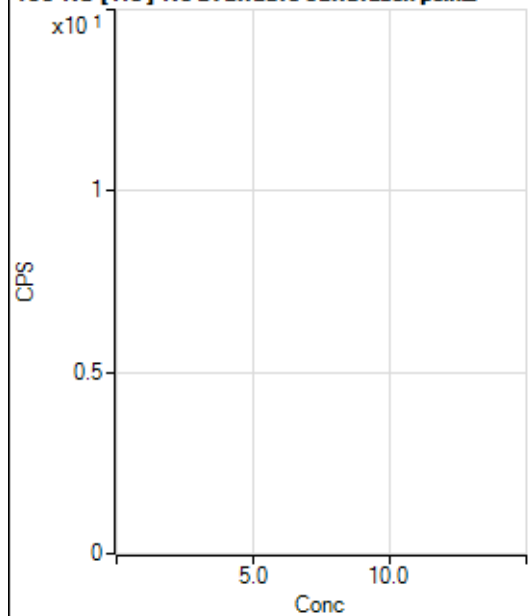
$$BEC = 0.008633$$

Weight: &lt;None&gt;

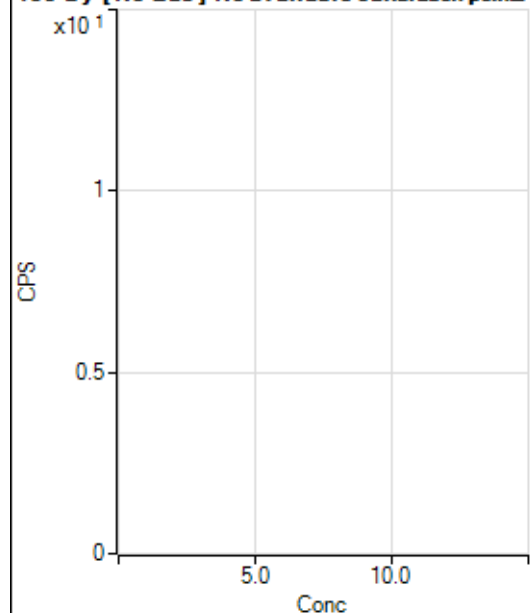
Min Conc: 0

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

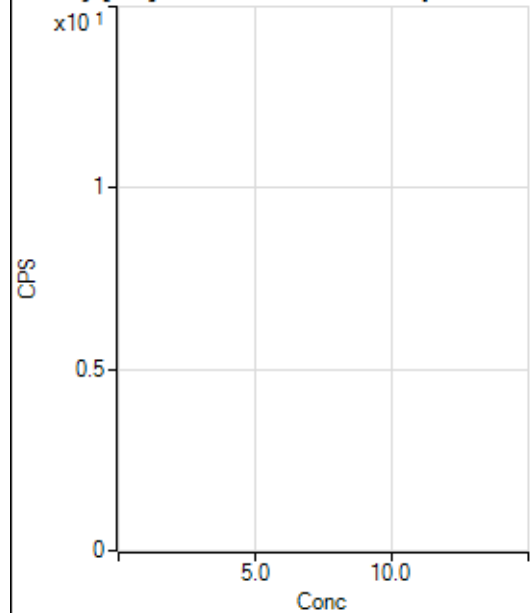
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22    |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 8.89    |       | P        | 57.3 |
| 3 | <input type="checkbox"/> |       |            | 72.22   |       | P        | 27.8 |
| 4 | <input type="checkbox"/> |       |            | 165.56  |       | P        | 10.3 |
| 5 | <input type="checkbox"/> |       |            | 321.12  |       | P        | 2.6  |
| 6 | <input type="checkbox"/> |       |            | 616.69  |       | P        | 6.4  |
| 7 | <input type="checkbox"/> |       |            | 1126.72 |       | P        | 1.3  |
| 8 | <input type="checkbox"/> |       |            | 26.67   |       | P        | 12.5 |

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

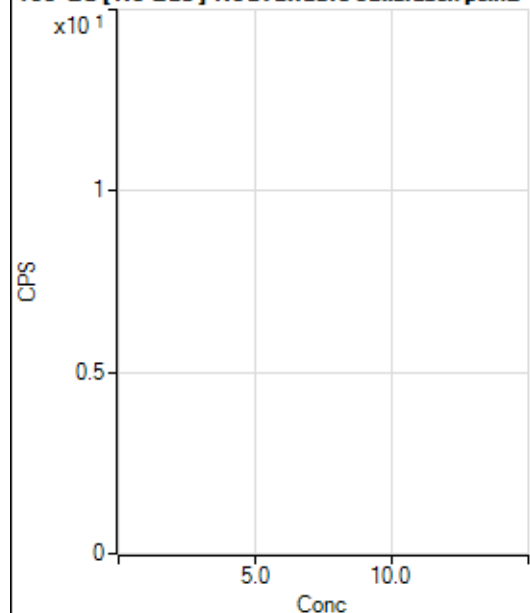
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 20.00  |       | P        | 0.0  |
| 4 | <input type="checkbox"/> |       |            | 32.22  |       | P        | 23.9 |
| 5 | <input type="checkbox"/> |       |            | 70.00  |       | P        | 34.3 |
| 6 | <input type="checkbox"/> |       |            | 151.11 |       | P        | 20.5 |
| 7 | <input type="checkbox"/> |       |            | 270.01 |       | P        | 9.6  |
| 8 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 20.0 |

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

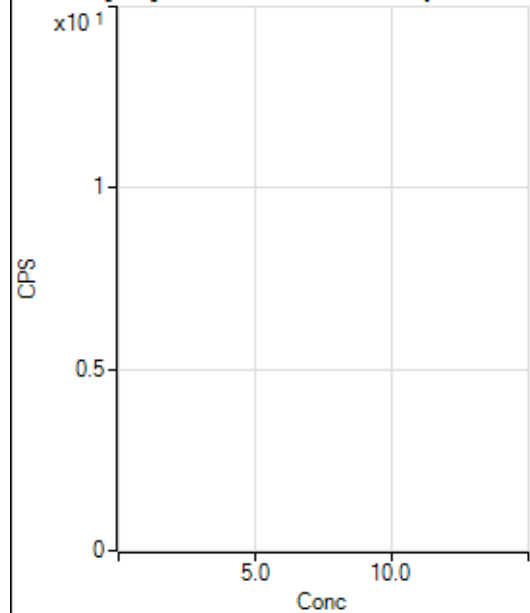
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 34.7 |
| 2 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 15.7 |
| 3 | <input type="checkbox"/> |       |            | 24.44  |       | P        | 20.8 |
| 4 | <input type="checkbox"/> |       |            | 52.22  |       | P        | 22.4 |
| 5 | <input type="checkbox"/> |       |            | 108.89 |       | P        | 8.8  |
| 6 | <input type="checkbox"/> |       |            | 238.89 |       | P        | 4.5  |
| 7 | <input type="checkbox"/> |       |            | 445.57 |       | P        | 4.5  |
| 8 | <input type="checkbox"/> |       |            | 910.04 |       | P        | 7.9  |

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

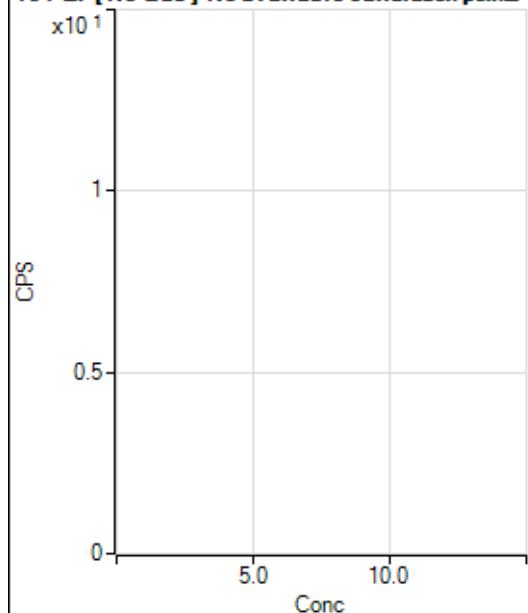
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 5.55   |       | P        | 69.3 |
| 3 | <input type="checkbox"/> |       |            | 24.45  |       | P        | 43.8 |
| 4 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 5.5  |
| 5 | <input type="checkbox"/> |       |            | 94.45  |       | P        | 16.7 |
| 6 | <input type="checkbox"/> |       |            | 216.67 |       | P        | 14.8 |
| 7 | <input type="checkbox"/> |       |            | 395.56 |       | P        | 11.2 |
| 8 | <input type="checkbox"/> |       |            | 591.13 |       | P        | 4.1  |

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

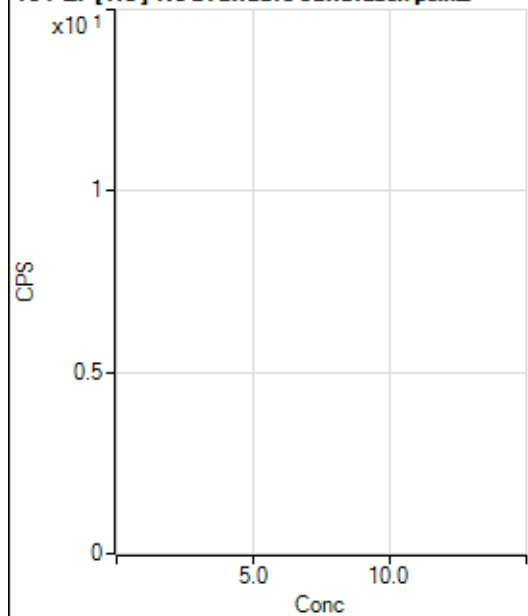
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 55.55   |       | P        | 12.5 |
| 2 | <input type="checkbox"/> |       |            | 85.55   |       | P        | 15.7 |
| 3 | <input type="checkbox"/> |       |            | 88.89   |       | P        | 20.7 |
| 4 | <input type="checkbox"/> |       |            | 127.78  |       | P        | 5.4  |
| 5 | <input type="checkbox"/> |       |            | 121.11  |       | P        | 18.3 |
| 6 | <input type="checkbox"/> |       |            | 214.45  |       | P        | 22.3 |
| 7 | <input type="checkbox"/> |       |            | 320.01  |       | P        | 5.2  |
| 8 | <input type="checkbox"/> |       |            | 1048.94 |       | P        | 4.3  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 201.12 |       | P        | 18.5 |
| 2 | <input type="checkbox"/> |       |            | 196.67 |       | P        | 23.5 |
| 3 | <input type="checkbox"/> |       |            | 223.34 |       | P        | 6.5  |
| 4 | <input type="checkbox"/> |       |            | 220.00 |       | P        | 8.0  |
| 5 | <input type="checkbox"/> |       |            | 282.23 |       | P        | 7.9  |
| 6 | <input type="checkbox"/> |       |            | 274.45 |       | P        | 3.1  |
| 7 | <input type="checkbox"/> |       |            | 381.12 |       | P        | 11.4 |
| 8 | <input type="checkbox"/> |       |            | 852.26 |       | P        | 2.3  |

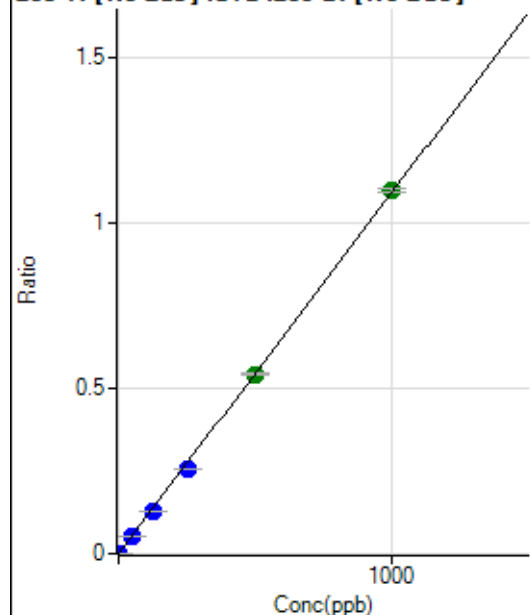
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 45.56  |       | P        | 11.2 |
| 2 | <input type="checkbox"/> |       |            | 55.55  |       | P        | 12.5 |
| 3 | <input type="checkbox"/> |       |            | 40.00  |       | P        | 41.7 |
| 4 | <input type="checkbox"/> |       |            | 70.00  |       | P        | 23.8 |
| 5 | <input type="checkbox"/> |       |            | 74.44  |       | P        | 6.8  |
| 6 | <input type="checkbox"/> |       |            | 95.56  |       | P        | 21.3 |
| 7 | <input type="checkbox"/> |       |            | 114.45 |       | P        | 9.4  |
| 8 | <input type="checkbox"/> |       |            | 90.00  |       | P        | 13.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 25.56 |       | P        | 39.8 |
| 2 | <input type="checkbox"/> |       |            | 31.11 |       | P        | 43.3 |
| 3 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 34.6 |
| 4 | <input type="checkbox"/> |       |            | 40.00 |       | P        | 28.9 |
| 5 | <input type="checkbox"/> |       |            | 51.11 |       | P        | 32.2 |
| 6 | <input type="checkbox"/> |       |            | 44.45 |       | P        | 8.7  |
| 7 | <input type="checkbox"/> |       |            | 77.78 |       | P        | 15.0 |
| 8 | <input type="checkbox"/> |       |            | 41.11 |       | P        | 12.4 |

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      | 61.11      | 0.0000 | P    | 21.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.905      | 4466.33    | 0.0010 | P    | 7.7  |
| 3 | <input type="checkbox"/> | 50.000   | 47.051     | 237598.69  | 0.0513 | P    | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 117.615    | 596514.32  | 0.1281 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 250.000  | 233.914    | 1166106.08 | 0.2547 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 498.459    | 2471020.80 | 0.5428 | A    | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 1005.863   | 4830554.20 | 1.0954 | A    | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 962.27     | 0.0003 | P    | 30.2 |

$$y = 0.0011 * x + 1.3113E-005$$

$$R = 0.9999$$

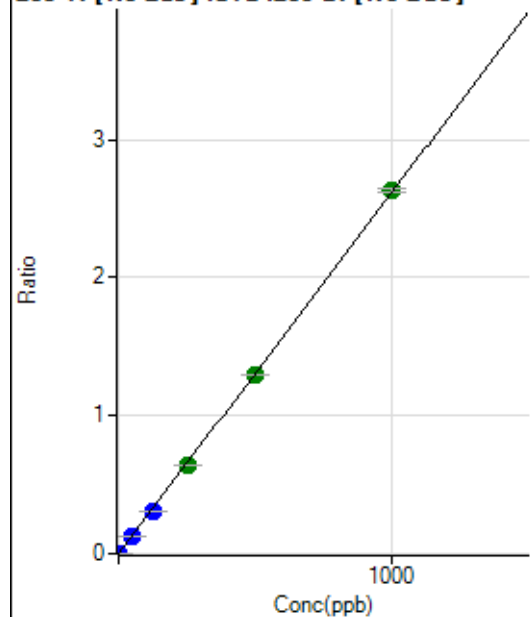
$$DL = 0.007739$$

$$BEC = 0.01204$$

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      | 146.67      | 0.0000 | P    | 6.9  |
| 2 | <input type="checkbox"/> | 1.000    | 0.877      | 10406.28    | 0.0023 | P    | 6.8  |
| 3 | <input type="checkbox"/> | 50.000   | 46.526     | 564056.68   | 0.1217 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 117.211    | 1427173.26  | 0.3065 | P    | 2.0  |
| 5 | <input type="checkbox"/> | 250.000  | 244.950    | 2931765.13  | 0.6404 | A    | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 494.535    | 5885693.66  | 1.2930 | A    | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1005.142   | 11589148.58 | 2.6279 | A    | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 2332.46     | 0.0006 | P    | 31.8 |

$$y = 0.0026 * x + 3.1414E-005$$

$$R = 0.9999$$

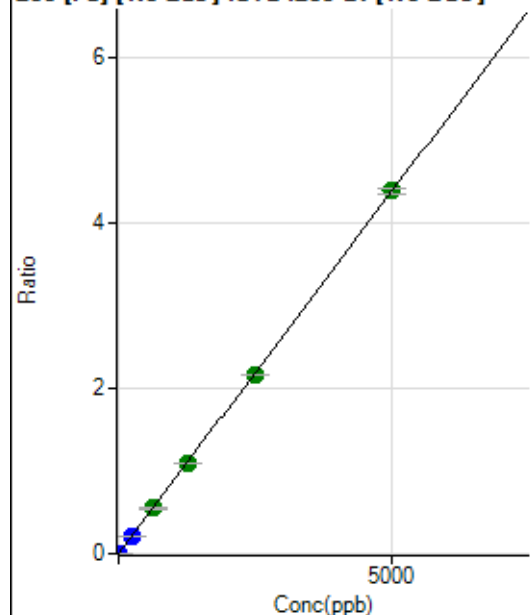
$$DL = 0.002504$$

$$BEC = 0.01202$$

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      | 236.67      | 0.0001 | P   | 7.0  |
| 2 | <input type="checkbox"/> | 1.000    | 0.896      | 3746.12     | 0.0008 | P   | 5.3  |
| 3 | <input type="checkbox"/> | 250.000  | 236.015    | 959281.98   | 0.2069 | P   | 0.7  |
| 4 | <input type="checkbox"/> | 625.000  | 627.430    | 2561388.66  | 0.5500 | A   | 1.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1244.854   | 4995151.70  | 1.0912 | A   | 0.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2474.722   | 9874390.34  | 2.1692 | A   | 0.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 5014.321   | 19382262.07 | 4.3952 | A   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 5351.17     | 0.0015 | P   | 23.7 |

$$y = 8.7652\text{E-}004 * x + 5.0713\text{E-}005$$

$$R = 1.0000$$

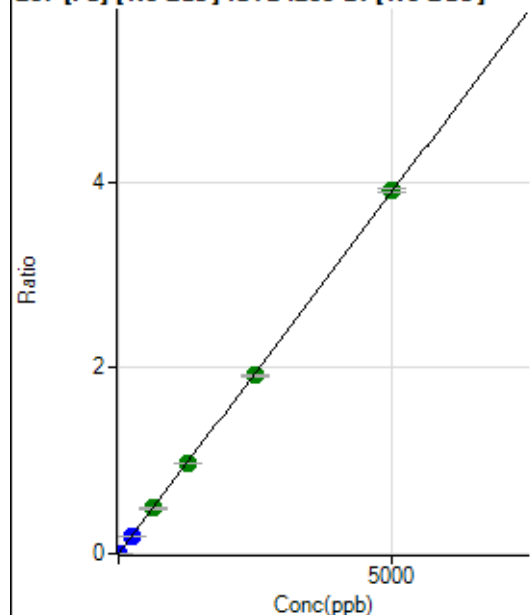
$$DL = 0.01212$$

$$BEC = 0.05786$$

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      | 227.78      | 0.0000 | P   | 20.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.894      | 3334.89     | 0.0007 | P   | 4.3  |
| 3 | <input type="checkbox"/> | 250.000  | 234.827    | 847284.90   | 0.1828 | P   | 0.7  |
| 4 | <input type="checkbox"/> | 625.000  | 626.103    | 2268957.10  | 0.4872 | A   | 1.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1244.629   | 4433309.17  | 0.9685 | A   | 0.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2467.036   | 8738157.86  | 1.9196 | A   | 1.6  |
| 7 | <input type="checkbox"/> | 5000.000 | 5018.445   | 17219905.02 | 3.9048 | A   | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 4591.98     | 0.0013 | P   | 23.6 |

$$y = 7.7808\text{E-}004 * x + 4.8905\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.03828$$

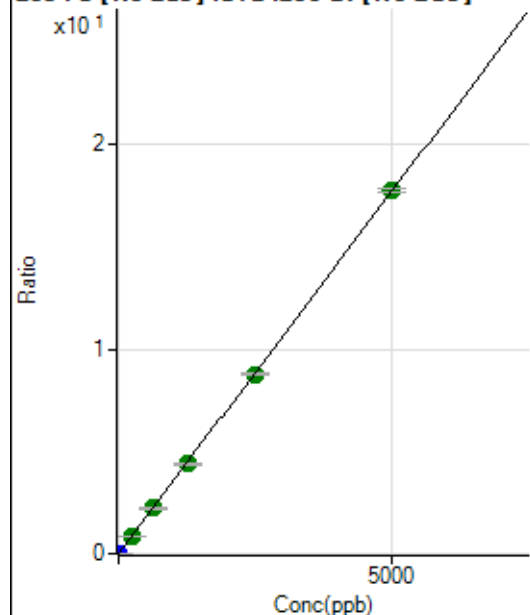
$$BEC = 0.06285$$

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      | 1030.02     | 0.0002  | P    | 6.2  |
| 2 | <input type="checkbox"/> | 1.000    | 0.902      | 15264.65    | 0.0034  | P    | 6.0  |
| 3 | <input type="checkbox"/> | 250.000  | 243.149    | 3984778.50  | 0.8595  | A    | 0.8  |
| 4 | <input type="checkbox"/> | 625.000  | 626.505    | 10312218.17 | 2.2144  | A    | 1.7  |
| 5 | <input type="checkbox"/> | 1250.000 | 1237.401   | 20019838.21 | 4.3734  | A    | 0.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2480.464   | 39906021.91 | 8.7666  | A    | 1.1  |
| 7 | <input type="checkbox"/> | 5000.000 | 5013.072   | 78131504.25 | 17.7172 | A    | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 21382.69    | 0.0059  | P    | 21.8 |

$$y = 0.0035 * x + 2.2085E-004$$

$$R = 1.0000$$

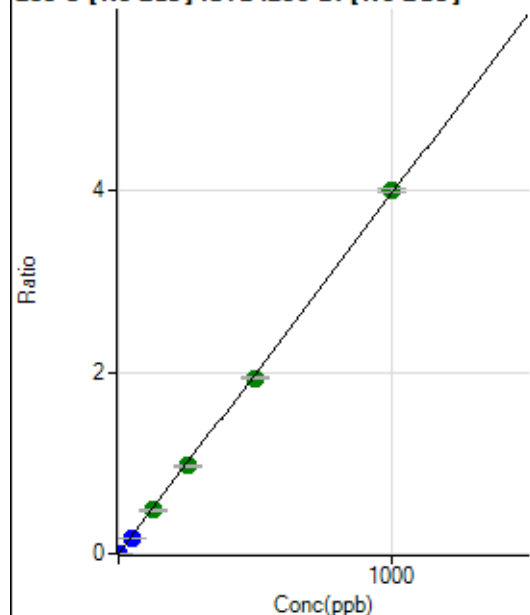
$$DL = 0.01163$$

$$BEC = 0.06249$$

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      | 6.67        | 0.0000 | P    | 51.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.827      | 14679.30    | 0.0033 | P    | 6.8  |
| 3 | <input type="checkbox"/> | 50.000   | 44.043     | 809306.87   | 0.1746 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 120.807    | 2229774.50  | 0.4788 | A    | 2.8  |
| 5 | <input type="checkbox"/> | 250.000  | 243.218    | 4412934.41  | 0.9640 | A    | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 488.072    | 8806413.20  | 1.9345 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.482   | 17627958.07 | 3.9973 | A    | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 2825.93     | 0.0008 | P    | 44.4 |

$$y = 0.0040 * x + 1.4345E-006$$

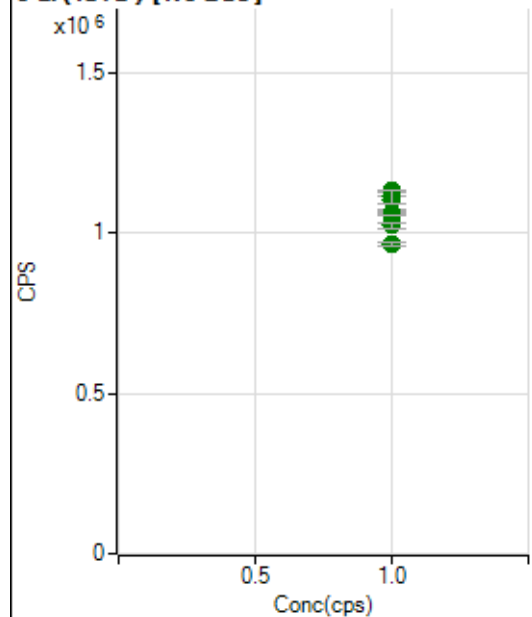
$$R = 0.9999$$

$$DL = 0.0005562$$

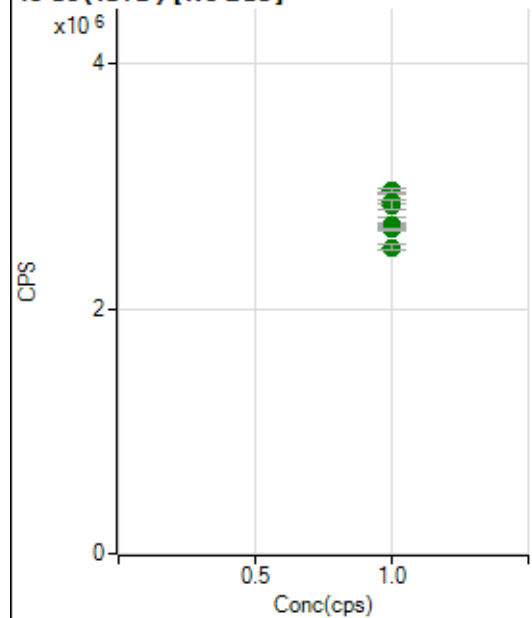
$$BEC = 0.0003619$$

Weight: &lt;None&gt;

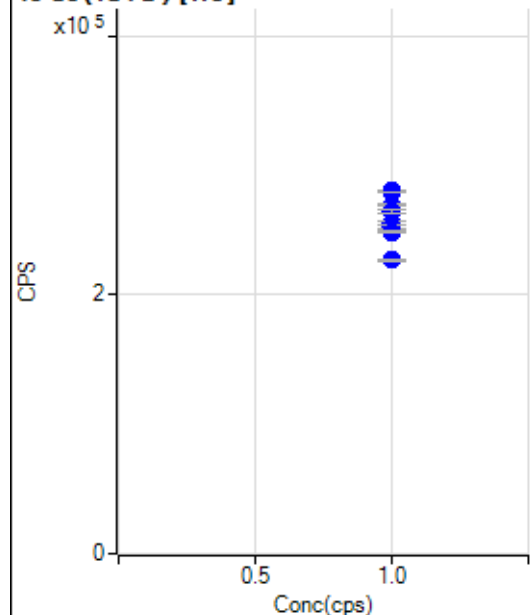
Min Conc: 0

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

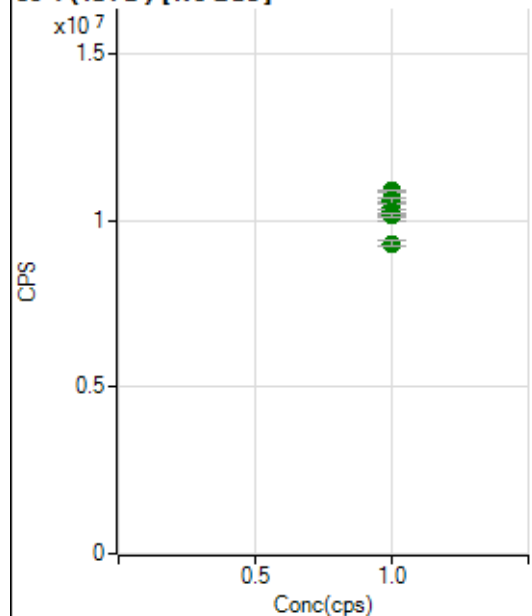
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1132627.58 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1106412.99 |       | A        | 5.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1116780.05 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1115028.91 |       | A        | 3.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1063807.98 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1057971.77 |       | A        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1024498.87 |       | A        | 1.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 968030.33  |       | A        | 1.4 |

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

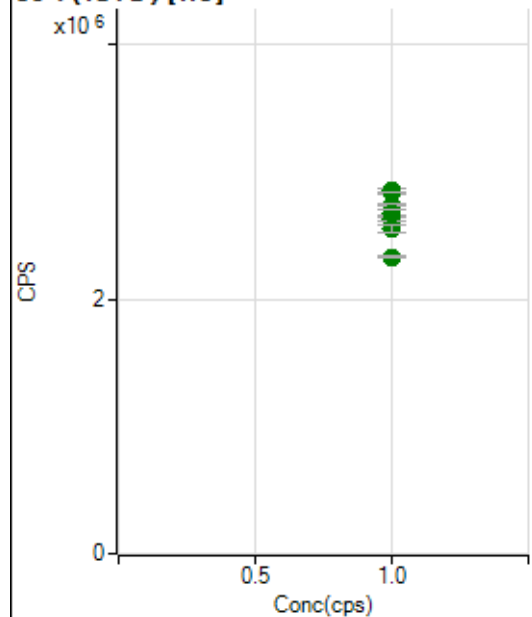
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2963082.73 |       | A        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2847756.90 |       | A        | 7.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2873836.90 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2844038.50 |       | A        | 2.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2691967.95 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2662982.24 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2650108.08 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2500700.17 |       | A        | 2.0 |

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

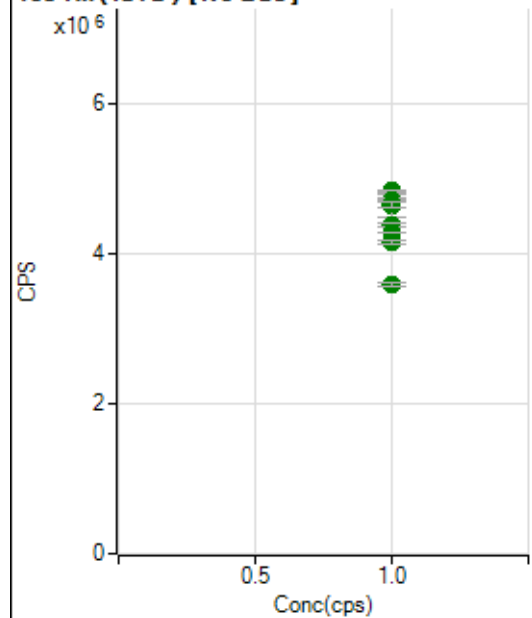
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 280413.07 |       | P        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 278792.40 |       | P        | 0.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 269757.79 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 264522.16 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 255644.14 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 253116.15 |       | P        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 248818.16 |       | P        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 226716.01 |       | P        | 0.1 |

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

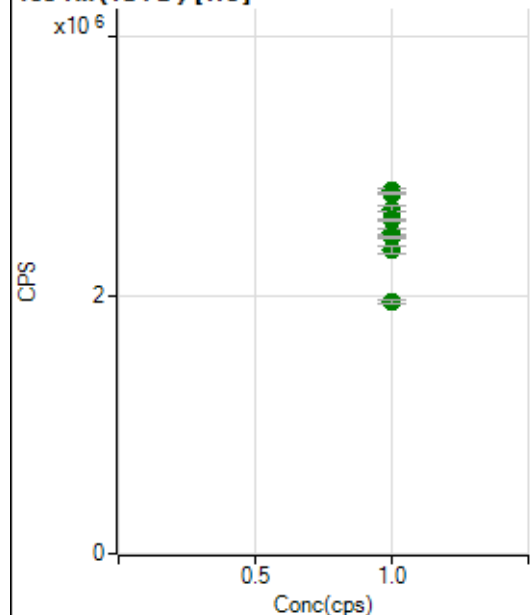
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10900625.53 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10416901.65 |       | A        | 8.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10649884.49 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10596919.43 |       | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10169410.27 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10260994.92 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10177669.99 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9318201.46  |       | A        | 1.8 |

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

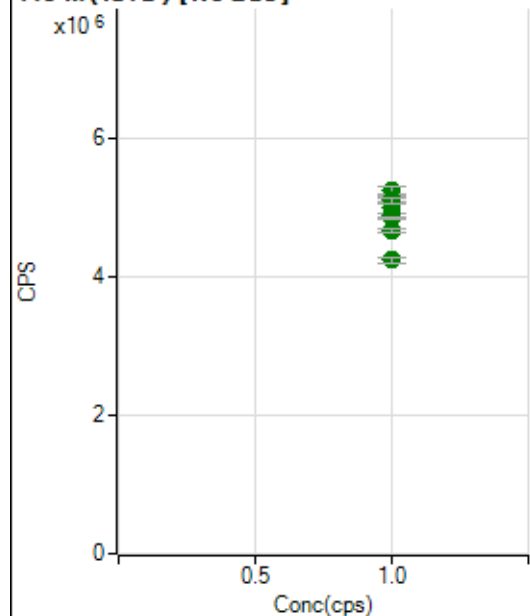
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2848872.28 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2842030.90 |       | A        | 0.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2735540.71 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2675168.97 |       | A        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2627029.16 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2611862.96 |       | A        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2559115.09 |       | A        | 2.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2330235.02 |       | A        | 0.6 |

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

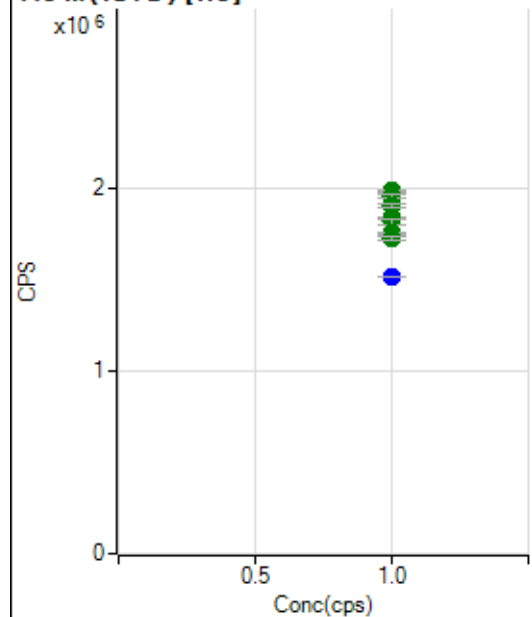
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4841185.93 |       | A        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4655138.82 |       | A        | 6.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4727845.21 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4663934.69 |       | A        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4389899.31 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4285734.66 |       | A        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4161422.47 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3593087.27 |       | A        | 1.9 |

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

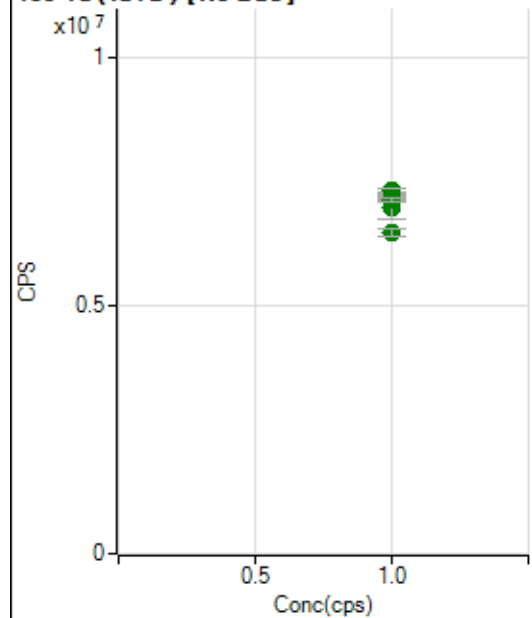
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2807480.65 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2784637.11 |       | A        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2668834.23 |       | A        | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2586834.75 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2491261.32 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2448246.82 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2356508.80 |       | A        | 2.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1953728.43 |       | A        | 1.7 |

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

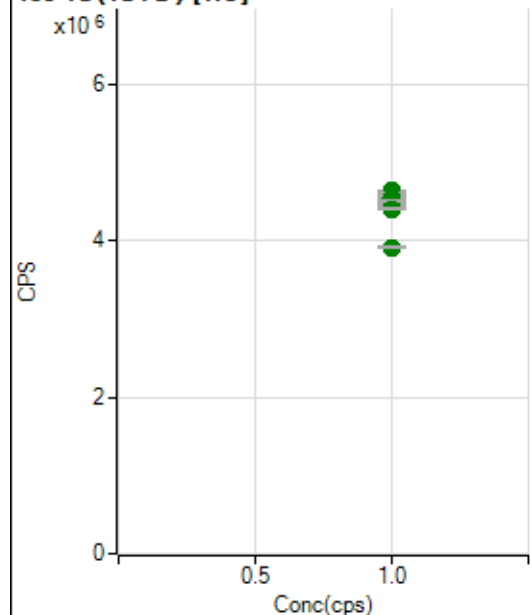
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5249780.20 |       | A        | 2.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5017573.01 |       | A        | 5.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5117325.30 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5106399.85 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4902722.54 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4857857.56 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4674634.38 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4243768.98 |       | A        | 2.2 |

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

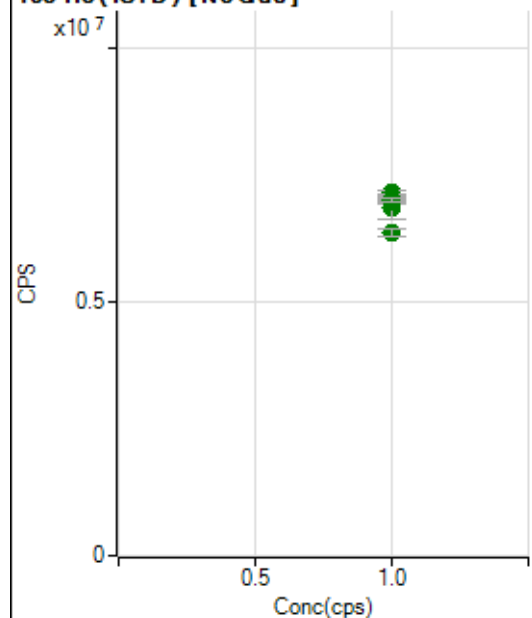
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1989466.59 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1960805.56 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1907577.65 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1842506.26 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1820328.00 |       | A        | 1.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1756958.84 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1728632.72 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1518054.61 |       | P        | 0.3 |

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

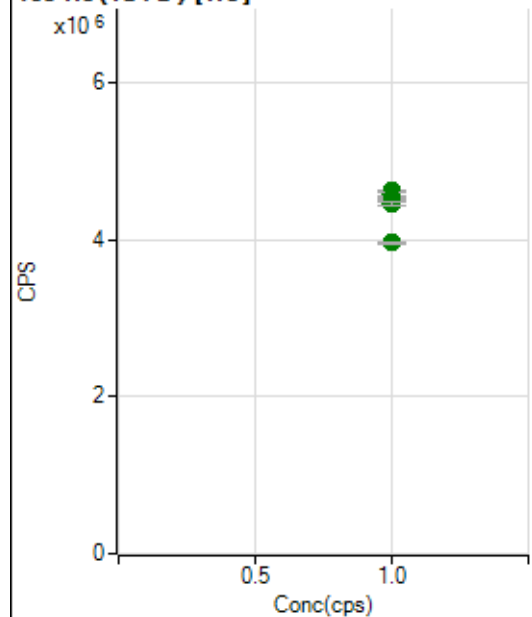
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7259907.95 |       | A        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6969484.06 |       | A        | 6.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7203451.77 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7309285.17 |       | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7128875.73 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7181394.96 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7119643.71 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6479460.67 |       | A        | 2.6 |

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

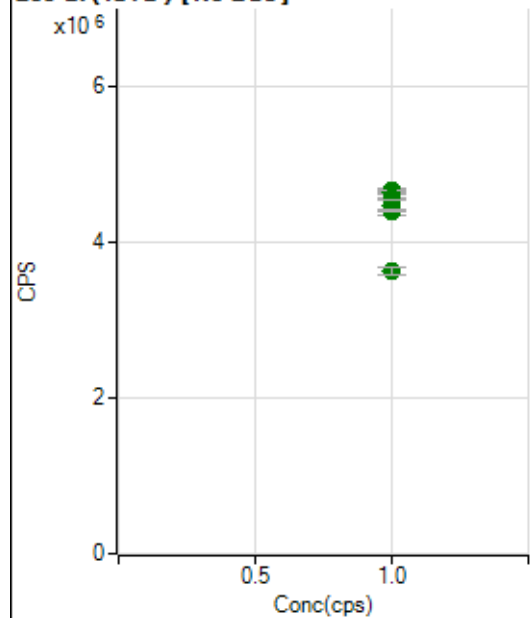
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4642293.92 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4621307.57 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4541505.28 |       | A        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4544878.82 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4461258.61 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4515204.97 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4415248.72 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3917276.47 |       | A        | 0.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7088894.20 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6872656.22 |       | A        | 6.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7082158.57 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7146483.57 |       | A        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6983291.49 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7101463.16 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7008175.10 |       | A        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6364703.52 |       | A        | 2.4 |

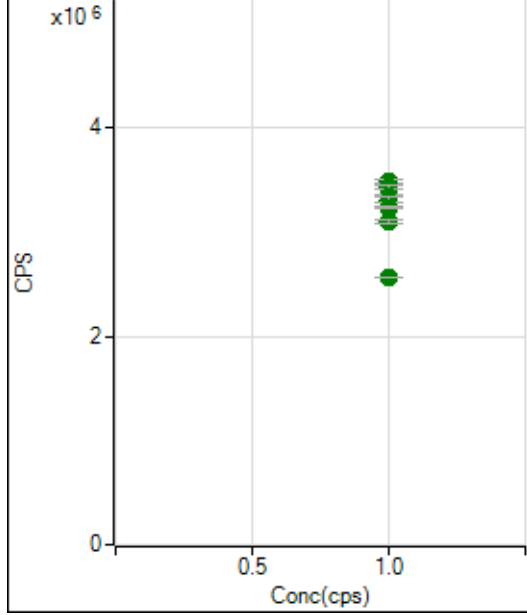
**165 Ho (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4621423.96 |       | A        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4586068.47 |       | A        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4540914.55 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4511106.39 |       | A        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4475058.27 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4494877.43 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4463817.40 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3966616.22 |       | A        | 0.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4666175.17 |       | A        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4488086.95 |       | A        | 5.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4635983.89 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4657371.74 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4577717.26 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4552167.05 |       | A        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4409979.48 |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3642321.89 |       | A        | 2.6 |



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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3479828.80 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3422373.81 |       | A        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3332021.93 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3347415.92 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3308081.24 |       | A        | 2.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3232263.15 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3100953.29 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2562532.53 |       | A        | 0.4 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7051623 MS.b  
Acq. Date-Time 2023-05-16 11:04:49  
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    |              | 4712  | 47123.93  |                            |             | 0.599  | 5.000           |
| 24   |              | 55636 | 556360.72 |                            |             | 0.322  | 5.000           |
| 25   |              | 7640  | 76399.10  |                            |             | 0.324  | 5.000           |
| 26   |              | 9041  | 90409.21  |                            |             | 0.376  | 5.000           |
| 59   |              | 44447 | 444468.26 |                            |             | 0.270  | 5.000           |
| 113  |              | 6141  | 61407.26  |                            |             | 0.452  | 5.000           |
| 115  |              | 76703 | 767026.45 |                            |             | 0.162  | 5.000           |
| 206  |              | 19724 | 197243.90 |                            |             | 0.548  | 5.000           |
| 207  |              | 18013 | 180126.14 |                            |             | 0.378  | 5.000           |
| 208  |              | 42130 | 421300.85 |                            |             | 0.303  | 5.000           |
| 220  |              | 0     | 1.30      |                            |             | 58.330 |                 |

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

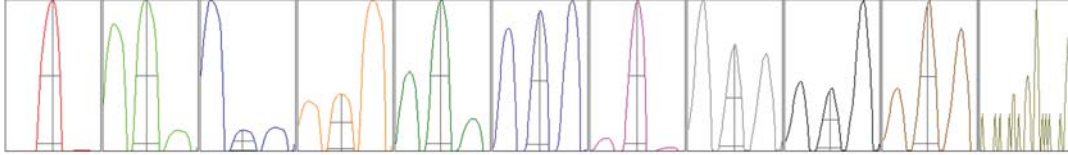
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 4743        | 4727        | 4726        | 4676        | 4690        |
| 24   | 55360       | 55647       | 55658       | 55654       | 55862       |
| 25   | 7642        | 7670        | 7648        | 7639        | 7601        |
| 26   | 9051        | 9042        | 9072        | 8983        | 9056        |
| 59   | 44244       | 44443       | 44480       | 44544       | 44523       |
| 113  | 6097        | 6149        | 6172        | 6151        | 6135        |
| 115  | 76565       | 76780       | 76712       | 76595       | 76862       |
| 206  | 19545       | 19741       | 19834       | 19733       | 19769       |
| 207  | 17923       | 17985       | 17993       | 18080       | 18082       |
| 208  | 41957       | 42158       | 42141       | 42085       | 42310       |

# 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    | 8070.12     | 9.00   | 8.90 - 9.10     |             |
| 24   | 87482.01    | 23.90  | 23.90 - 24.10   |             |
| 25   | 11765.31    | 24.85  | 24.90 - 25.10   | Fail        |
| 26   | 13451.84    | 25.90  | 25.90 - 26.10   |             |
| 59   | 80475.89    | 58.95  | 58.90 - 59.10   |             |
| 113  | 12557.98    | 113.00 | 112.90 - 113.10 |             |
| 115  | 156968.55   | 115.00 | 114.90 - 115.10 |             |
| 206  | 40357.90    | 206.00 | 205.90 - 206.10 |             |
| 207  | 35826.27    | 206.95 | 206.90 - 207.10 |             |
| 208  | 86117.56    | 207.95 | 207.90 - 208.10 |             |
| 220  | 0.00        | 220.20 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.62  | 0.787 | 0.900           |             |
| 24   | 0.68  | 0.832 | 0.900           |             |
| 25   | 0.68  | 0.832 | 0.900           |             |
| 26   | 0.69  | 0.836 | 0.900           |             |
| 59   | 0.58  | 0.801 | 0.900           |             |
| 113  | 0.51  | 0.716 | 0.900           |             |
| 115  | 0.51  | 0.713 | 0.900           |             |
| 206  | 0.49  | 0.779 | 0.900           |             |
| 207  | 0.50  | 0.774 | 0.900           |             |
| 208  | 0.49  | 0.804 | 0.900           |             |
| 220  | 0.23  | 0.225 |                 |             |

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    | 9.0 V | Deflect    | 15.8 V |
| Extract 2  | -95.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -65 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      | 190 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 1.0002 | QP Bias | -3.0 V |
| Mass Offset | 125 | Axis Offset | -0.01  |         |        |

## Hardware Settings

### Torch

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

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.2 mV | Analog HV | 2290 V | Pulse HV | 1601 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 15624 | 156235.33 |                            |             | 0.122 |                 |
| 89   |              | 24929 | 249286.04 |                            |             | 0.310 |                 |
| 205  |              | 19145 | 191452.45 |                            |             | 0.486 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 15612       | 15600       | 15638       | 15647       | 15621       |
| 89   | 24975       | 24797       | 24937       | 24995       | 24938       |
| 205  | 18989       | 19141       | 19200       | 19168       | 19227       |

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 | 8.8 V | Deflect | 2.4 V |
|-----------|-------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |         |               |       |            |       |
|------------|---------|---------------|-------|------------|-------|
| Extract 2  | -75.0 V | Cell Entrance | -40 V | Plate Bias | -60 V |
| Omega Bias | -50 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      | 200 V   |                       |       |

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 123 | Axis Gain   | 1.0002 | QP Bias | -13.0 V |
| Mass Offset | 125 | Axis Offset | -0.01  |         |         |

## Hardware Settings

### Torch

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

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.2 mV | Analog HV | 2290 V | Pulse HV | 1601 V |
|---------------|--------|-----------|--------|----------|--------|