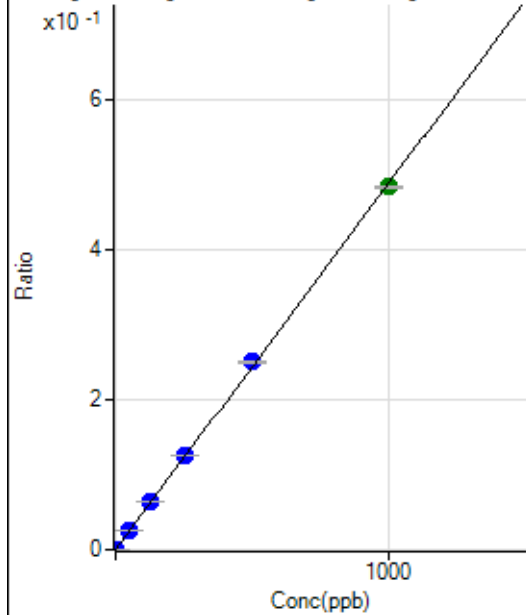


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7062322MS.b\  
Analysis File: P7062322MS.batch.bin  
DA Date-Time: 2022-06-24 01:02:46  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2022-06-23 12:28:13 |
| 2     | 004CALS.d          | S02         | 2022-06-23 12:31:08 |
| 3     | 010CALS.d          | S03         | 2022-06-23 13:10:21 |
| 4     | 011CALS.d          | S04         | 2022-06-23 13:13:06 |
| 5     | 012CALS.d          | S05         | 2022-06-23 13:15:53 |
| 6     | 013CALS.d          | S06         | 2022-06-23 13:18:38 |
| 7     | 014CALS.d          | S07         | 2022-06-23 13:21:25 |
| 8     | 015CALS.d          | S08         | 2022-06-23 13:24:10 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 46.67      | 0.0000 | P    | 24.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.084      | 2039.04    | 0.0005 | P    | 5.2  |
| 3 | <input type="checkbox"/> | 50.000   | 52.939     | 98005.52   | 0.0258 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 130.157    | 243051.97  | 0.0635 | P    | 0.2  |
| 5 | <input type="checkbox"/> | 250.000  | 257.271    | 469254.99  | 0.1255 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 512.612    | 883840.95  | 0.2500 | P    | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.085    | 1687360.32 | 0.4834 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 2514.67    | 0.0008 | P    | 8.2  |

$$y = 4.8770\text{E-}004 * x + 1.2443\text{E-}005$$

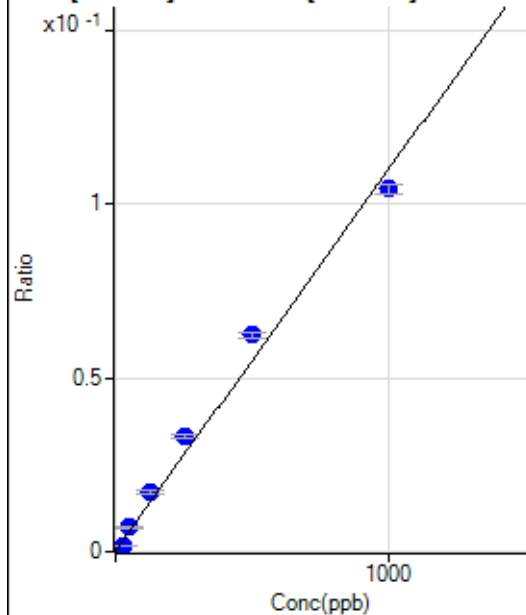
$$R = 0.9998$$

$$DL = 0.01889$$

$$BEC = 0.02551$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 844.49    | 0.0002 | P    | 3.9  |
| 2 | <input type="checkbox"/> | 25.000   | 14.475     | 6832.21   | 0.0018 | P    | 3.0  |
| 3 | <input type="checkbox"/> | 50.000   | 61.661     | 26528.69  | 0.0070 | P    | 4.9  |
| 4 | <input type="checkbox"/> | 125.000  | 152.661    | 65006.36  | 0.0170 | P    | 6.2  |
| 5 | <input type="checkbox"/> | 250.000  | 302.197    | 124852.56 | 0.0334 | P    | 3.8  |
| 6 | <input type="checkbox"/> | 500.000  | 567.136    | 220879.60 | 0.0625 | P    | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 949.605    | 364580.06 | 0.1044 | P    | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 16506.39  | 0.0050 | P    | 13.6 |

$$y = 1.0974\text{E-}004 * x + 2.2549\text{E-}004$$

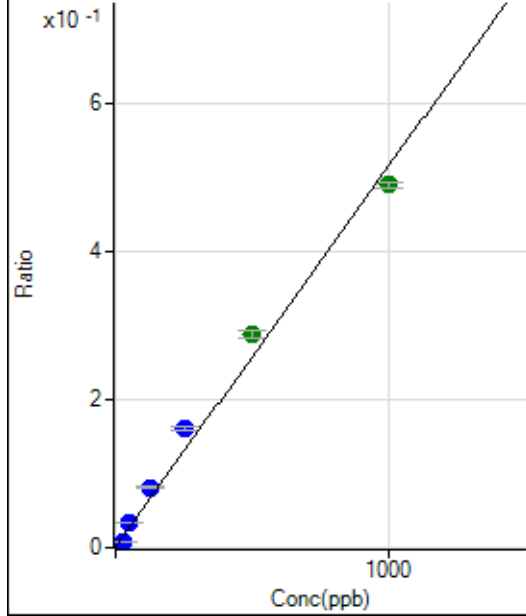
$$R = 0.9943$$

$$DL = 0.2378$$

$$BEC = 2.055$$

Weight: &lt;None&gt;

Min Conc: 0

**11 B [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      | 3842.24    | 0.0010 | P        | 2.8  |
| 2 | <input type="checkbox"/> | 25.000   | 14.959     | 32779.74   | 0.0087 | P        | 4.8  |
| 3 | <input type="checkbox"/> | 50.000   | 63.023     | 126581.22  | 0.0334 | P        | 4.3  |
| 4 | <input type="checkbox"/> | 125.000  | 155.580    | 309549.39  | 0.0809 | P        | 4.1  |
| 5 | <input type="checkbox"/> | 250.000  | 310.332    | 599257.14  | 0.1603 | P        | 3.5  |
| 6 | <input type="checkbox"/> | 500.000  | 558.525    | 1017118.09 | 0.2876 | A        | 4.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 951.432    | 1707767.59 | 0.4892 | A        | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 78770.82   | 0.0238 | P        | 12.6 |

$$y = 5.1310\text{E-}004 * x + 0.0010$$

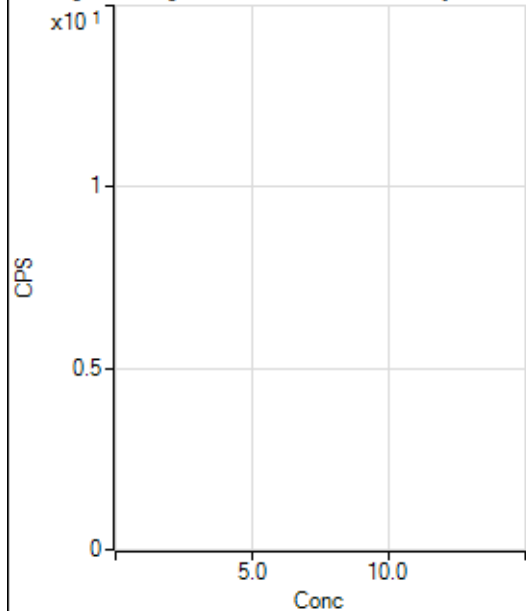
$$R = 0.9946$$

$$DL = 0.165$$

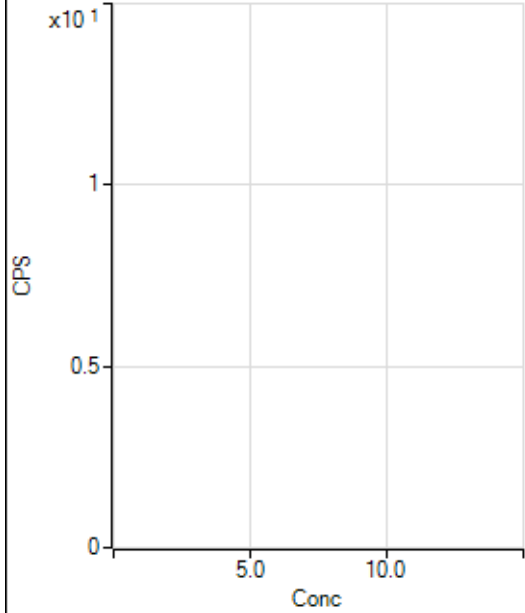
$$BEC = 2$$

Weight: &lt;None&gt;

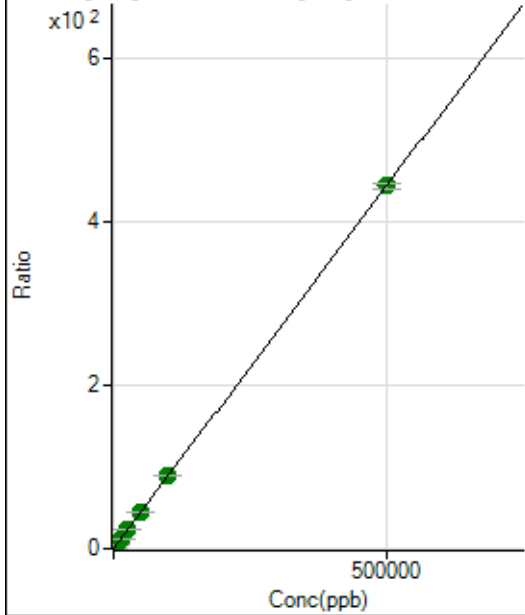
Min Conc: 0

**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      | 19438.38    | 0.0251   | P        | 1.5 |
| 2 | <input type="checkbox"/> | 500.000   | 491.916    | 360795.45   | 0.4626   | P        | 0.0 |
| 3 | <input type="checkbox"/> | 5000.000  | 5084.712   | 3377236.73  | 4.5477   | A        | 0.8 |
| 4 | <input type="checkbox"/> | 12500.000 | 12764.279  | 8328617.95  | 11.3783  | A        | 1.3 |
| 5 | <input type="checkbox"/> | 25000.000 | 25316.478  | 16186624.67 | 22.5428  | A        | 0.4 |
| 6 | <input type="checkbox"/> | 50000.000 | 50701.587  | 31008833.10 | 45.1216  | A        | 0.2 |
| 7 | <input type="checkbox"/> | 100000.00 | 99665.989  | 60215680.05 | 88.6729  | A        | 0.2 |
| 8 | <input type="checkbox"/> | 500000.00 | 499973.37  | 307252706.8 | 444.7260 | A        | 1.5 |

$$y = 8.8945E-004 * x + 0.0251$$

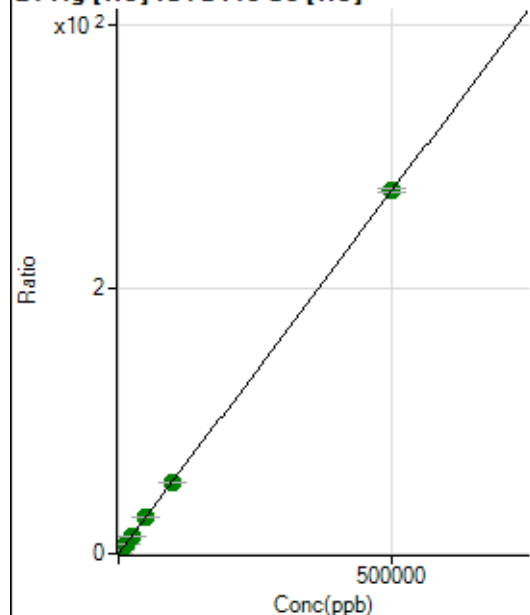
$$R = 1.0000$$

$$DL = 1.309$$

$$BEC = 28.21$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 437.05      | 0.0006   | P   | 4.2 |
| 2 | <input type="checkbox"/> | 500.000   | 504.793    | 215987.67   | 0.2769   | P   | 0.9 |
| 3 | <input type="checkbox"/> | 5000.000  | 5097.515   | 2073282.03  | 2.7915   | A   | 1.8 |
| 4 | <input type="checkbox"/> | 12500.000 | 12550.474  | 5030247.57  | 6.8721   | A   | 0.3 |
| 5 | <input type="checkbox"/> | 25000.000 | 24779.496  | 9741979.04  | 13.5676  | A   | 0.4 |
| 6 | <input type="checkbox"/> | 50000.000 | 49696.741  | 18699738.38 | 27.2101  | A   | 0.1 |
| 7 | <input type="checkbox"/> | 100000.00 | 97947.052  | 36417200.81 | 53.6278  | A   | 0.3 |
| 8 | <input type="checkbox"/> | 500000.00 | 500449.69  | 189301926.4 | 274.0029 | A   | 1.1 |

$$y = 5.4751\text{E-}004 * x + 5.6406\text{E-}004$$

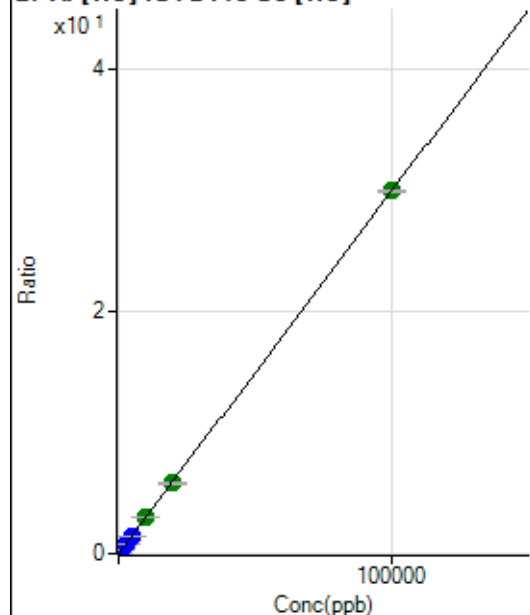
$$R = 1.0000$$

$$DL = 0.1284$$

$$BEC = 1.03$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 161.12      | 0.0002  | P   | 32.9 |
| 2 | <input type="checkbox"/> | 20.000    | 20.151     | 4854.55     | 0.0062  | P   | 0.4  |
| 3 | <input type="checkbox"/> | 1000.000  | 1065.313   | 236379.83   | 0.3183  | P   | 0.5  |
| 4 | <input type="checkbox"/> | 2500.000  | 2572.837   | 562467.57   | 0.7684  | P   | 0.2  |
| 5 | <input type="checkbox"/> | 5000.000  | 5021.256   | 1076677.11  | 1.4995  | P   | 0.3  |
| 6 | <input type="checkbox"/> | 10000.000 | 9968.901   | 2045785.88  | 2.9768  | A   | 1.0  |
| 7 | <input type="checkbox"/> | 20000.000 | 19408.402  | 3935317.77  | 5.7953  | A   | 1.2  |
| 8 | <input type="checkbox"/> | 100000.00 | 100117.89  | 20653127.77 | 29.8939 | A   | 0.6  |

$$y = 2.9858\text{E-}004 * x + 2.0793\text{E-}004$$

$$R = 1.0000$$

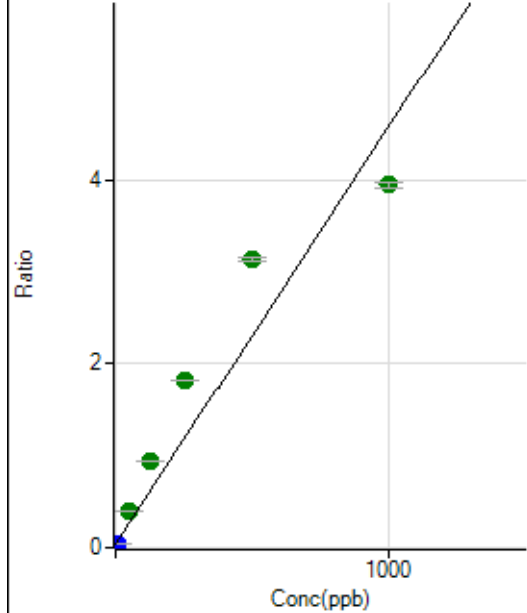
$$DL = 0.6878$$

$$BEC = 0.6964$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 319755.41   | 0.0359 | P        | 1.5 |
| 2 | <input type="checkbox"/> | 10.000   | 1.420      | 381636.08   | 0.0423 | P        | 0.5 |
| 3 | <input type="checkbox"/> | 50.000   | 81.047     | 3461689.57  | 0.4035 | A        | 0.5 |
| 4 | <input type="checkbox"/> | 125.000  | 199.408    | 7991242.02  | 0.9403 | A        | 0.5 |
| 5 | <input type="checkbox"/> | 250.000  | 394.813    | 15179768.40 | 1.8266 | A        | 0.2 |
| 6 | <input type="checkbox"/> | 500.000  | 682.933    | 24817437.88 | 3.1335 | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 861.563    | 31633370.15 | 3.9437 | A        | 1.3 |
| 8 | <input type="checkbox"/> |          |            | 1280491.83  | 0.1664 | A        | 6.5 |

$$y = 0.0045 * x + 0.0359$$

$$R = 0.9561$$

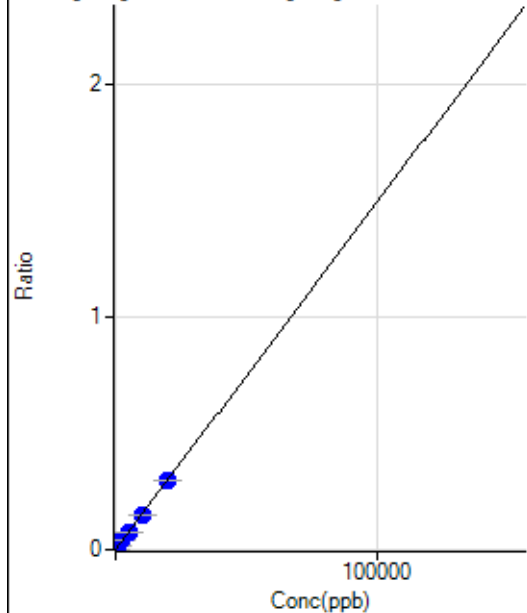
$$DL = 0.3481$$

$$BEC = 7.915$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | -12.207    | 447.24    | 0.0006 | P        | 8.2  |
| 2 | <input type="checkbox"/> | 0.000     | 12.207     | 733.37    | 0.0009 | P        | 10.0 |
| 3 | <input type="checkbox"/> | 1000.000  | 1003.419   | 11665.80  | 0.0157 | P        | 1.4  |
| 4 | <input type="checkbox"/> | 2500.000  | 2565.331   | 28532.67  | 0.0390 | P        | 0.4  |
| 5 | <input type="checkbox"/> | 5000.000  | 4930.532   | 53293.44  | 0.0742 | P        | 0.2  |
| 6 | <input type="checkbox"/> | 10000.000 | 9963.280   | 102536.82 | 0.1492 | P        | 0.5  |
| 7 | <input type="checkbox"/> | 20000.000 | 20027.390  | 203145.54 | 0.2991 | P        | 0.3  |
| 8 | <input type="checkbox"/> |           |            | 788.93    | 0.0011 | P        | 2.1  |

$$y = 1.4899E-005 * x + 7.5901E-004$$

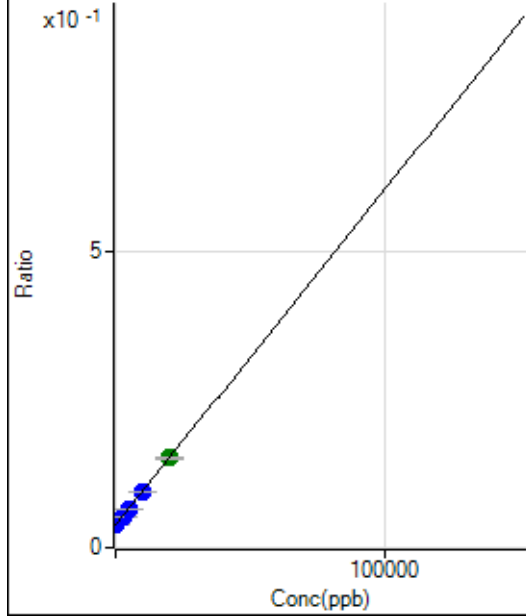
$$R = 1.0000$$

$$DL = 14.19$$

$$BEC = 50.94$$

Weight: &lt;None&gt;

Min Conc: 0

**34 S [No Gas] ISTD:45 Sc [No Gas]**

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|-----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 73.429     | 344899.64  | 0.0387 | P        | 0.8 |
| 2 | <input type="checkbox"/> | 0.000     | -73.429    | 341499.56  | 0.0379 | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1000.000  | 1272.398   | 390463.73  | 0.0455 | P        | 0.9 |
| 4 | <input type="checkbox"/> | 2500.000  | 2491.210   | 445472.04  | 0.0524 | P        | 0.7 |
| 5 | <input type="checkbox"/> | 5000.000  | 4891.961   | 548632.39  | 0.0660 | P        | 0.6 |
| 6 | <input type="checkbox"/> | 10000.000 | 9822.147   | 744037.42  | 0.0940 | P        | 2.3 |
| 7 | <input type="checkbox"/> | 20000.000 | 20103.415  | 1220834.17 | 0.1522 | A        | 2.2 |
| 8 | <input type="checkbox"/> |           |            | 271009.61  | 0.0353 | P        | 2.1 |

$$y = 5.6654\text{E-}006 * x + 0.0383$$

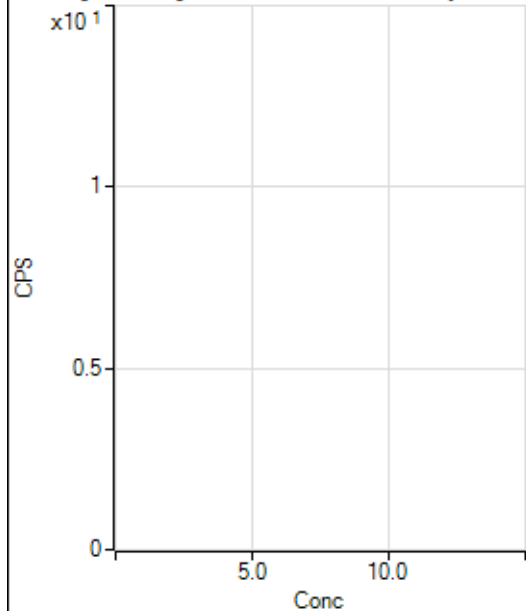
$$R = 0.9998$$

$$DL = 123$$

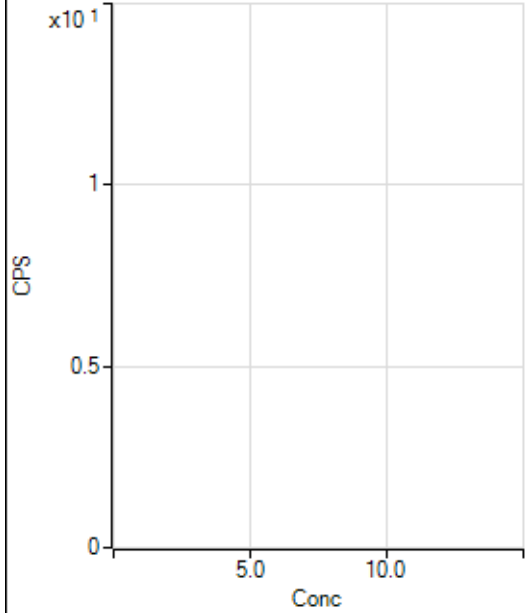
$$BEC = 6761$$

Weight: &lt;None&gt;

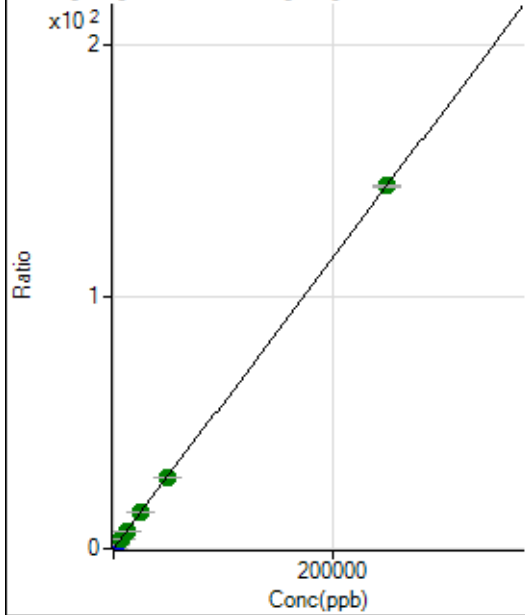
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            |     |       |          |     |
| 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      | 53583.80    | 0.0692   | P        | 1.8 |
| 2 | <input type="checkbox"/> | 500.000   | 533.381    | 292862.62   | 0.3755   | P        | 0.9 |
| 3 | <input type="checkbox"/> | 2500.000  | 2720.527   | 1211853.50  | 1.6319   | P        | 0.8 |
| 4 | <input type="checkbox"/> | 6250.000  | 6216.387   | 2664317.74  | 3.6399   | A        | 1.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 12157.796  | 5064101.50  | 7.0527   | A        | 0.9 |
| 6 | <input type="checkbox"/> | 25000.000 | 24690.286  | 9793896.57  | 14.2514  | A        | 0.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 48578.997  | 18995727.33 | 27.9733  | A        | 0.5 |
| 8 | <input type="checkbox"/> | 250000.00 | 250330.85  | 99391739.72 | 143.8608 | A        | 0.5 |

$$y = 5.7441\text{E-}004 * x + 0.0692$$

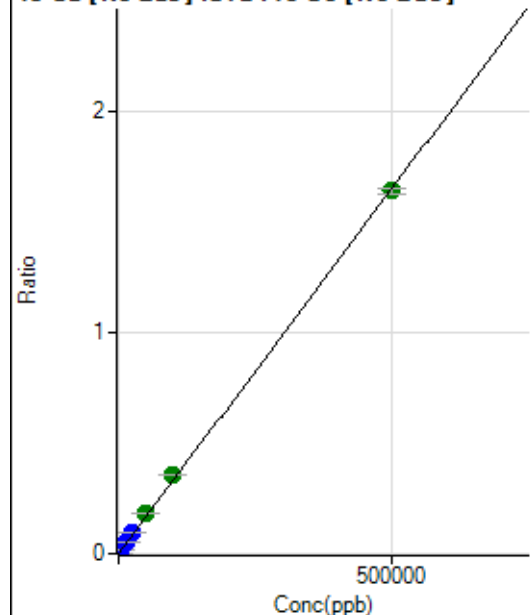
$$R = 1.0000$$

$$DL = 6.341$$

$$BEC = 120.4$$

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      | 277.79      | 0.0000 | P   | 10.3 |
| 2 | <input type="checkbox"/> | 500.000   | 511.443    | 15488.76    | 0.0017 | P   | 1.2  |
| 3 | <input type="checkbox"/> | 5000.000  | 5859.123   | 166102.22   | 0.0194 | P   | 0.5  |
| 4 | <input type="checkbox"/> | 12500.000 | 14663.661  | 411382.14   | 0.0484 | P   | 1.5  |
| 5 | <input type="checkbox"/> | 25000.000 | 28984.835  | 794879.97   | 0.0957 | P   | 1.0  |
| 6 | <input type="checkbox"/> | 50000.000 | 55141.449  | 1441096.92  | 0.1819 | A   | 1.1  |
| 7 | <input type="checkbox"/> | 100000.00 | 108104.94  | 2861054.84  | 0.3567 | A   | 1.3  |
| 8 | <input type="checkbox"/> | 500000.00 | 497602.93  | 12617072.24 | 1.6417 | A   | 1.6  |

$$y = 3.2991\text{E-}006 * x + 3.1211\text{E-}005$$

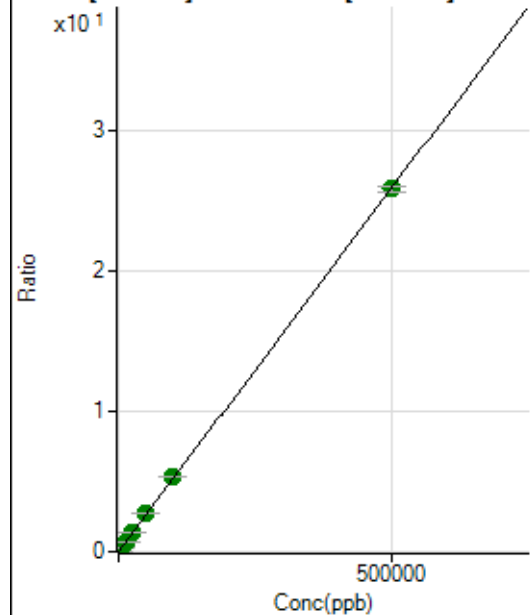
$$R = 0.9998$$

$$DL = 2.937$$

$$BEC = 9.46$$

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      | 10003.56    | 0.0011  | P   | 3.3 |
| 2 | <input type="checkbox"/> | 500.000   | 515.715    | 250811.27   | 0.0278  | P   | 1.1 |
| 3 | <input type="checkbox"/> | 5000.000  | 5256.194   | 2344654.93  | 0.2733  | A   | 1.2 |
| 4 | <input type="checkbox"/> | 12500.000 | 12985.701  | 5723754.82  | 0.6735  | A   | 0.7 |
| 5 | <input type="checkbox"/> | 25000.000 | 26120.552  | 11249250.17 | 1.3537  | A   | 0.1 |
| 6 | <input type="checkbox"/> | 50000.000 | 52181.344  | 21409196.66 | 2.7031  | A   | 1.3 |
| 7 | <input type="checkbox"/> | 100000.00 | 102871.96  | 42738120.75 | 5.3279  | A   | 1.0 |
| 8 | <input type="checkbox"/> | 500000.00 | 499136.72  | 198645444.7 | 25.8468 | A   | 1.6 |

$$y = 5.1781\text{E-}005 * x + 0.0011$$

$$R = 1.0000$$

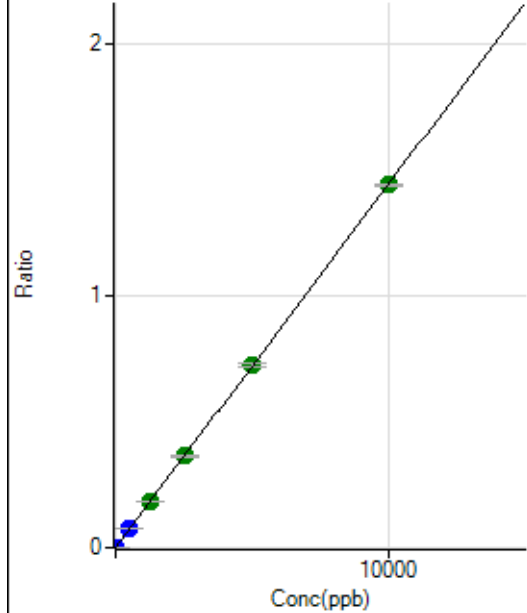
$$DL = 2.124$$

$$BEC = 21.69$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 163.90      | 0.0000 | P        | 19.3 |
| 2 | <input type="checkbox"/> | 5.000     | 5.076      | 6768.34     | 0.0008 | P        | 1.3  |
| 3 | <input type="checkbox"/> | 500.000   | 518.660    | 642332.64   | 0.0749 | P        | 0.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1267.444   | 1554655.05  | 0.1829 | A        | 0.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2515.794   | 3017510.72  | 0.3631 | A        | 0.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 5020.897   | 5739113.10  | 0.7246 | A        | 1.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 9982.490   | 11556709.11 | 1.4407 | A        | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 17457.75    | 0.0023 | P        | 1.8  |

$$y = 1.4432E-004 * x + 1.8370E-005$$

$$R = 1.0000$$

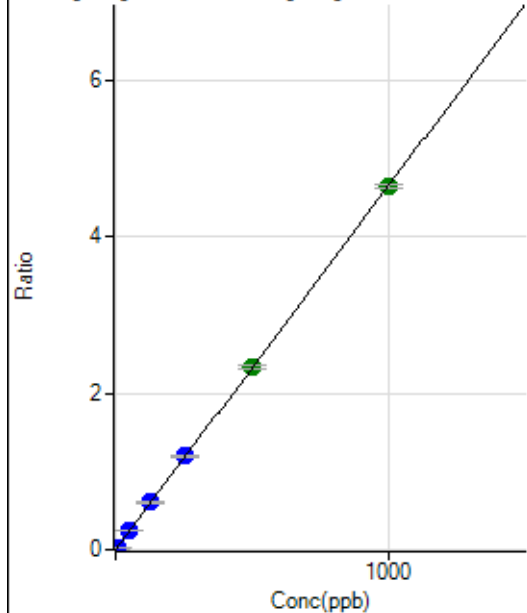
$$DL = 0.07383$$

$$BEC = 0.1273$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 14.44      | 0.0000 | P        | 12.9 |
| 2 | <input type="checkbox"/> | 5.000    | 5.140      | 18651.64   | 0.0239 | P        | 1.3  |
| 3 | <input type="checkbox"/> | 50.000   | 51.924     | 179282.72  | 0.2414 | P        | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 129.905    | 442099.83  | 0.6040 | P        | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 256.421    | 856011.43  | 1.1922 | P        | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 501.248    | 1601430.13 | 2.3304 | A        | 1.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.061    | 3147899.15 | 4.6356 | A        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 5797.83    | 0.0084 | P        | 0.9  |

$$y = 0.0046 * x + 1.8636E-005$$

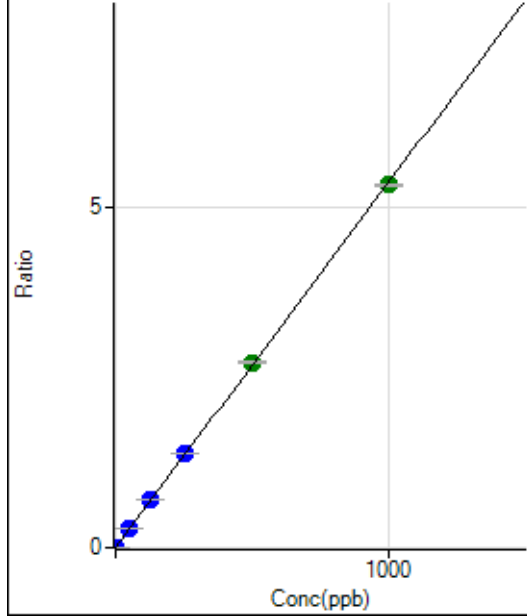
$$R = 1.0000$$

$$DL = 0.001555$$

$$BEC = 0.004008$$

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      | 1405.64    | 0.0018 | P        | 2.5 |
| 2 | <input type="checkbox"/> | 2.000    | 2.078      | 10122.36   | 0.0130 | P        | 0.6 |
| 3 | <input type="checkbox"/> | 50.000   | 52.779     | 211958.74  | 0.2854 | P        | 1.0 |
| 4 | <input type="checkbox"/> | 125.000  | 130.183    | 513362.11  | 0.7013 | P        | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 258.188    | 997463.37  | 1.3892 | P        | 0.3 |
| 6 | <input type="checkbox"/> | 500.000  | 507.205    | 1874191.33 | 2.7272 | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 993.563    | 3626646.09 | 5.3406 | A        | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 16648.20   | 0.0241 | P        | 1.1 |

$$y = 0.0054 * x + 0.0018$$

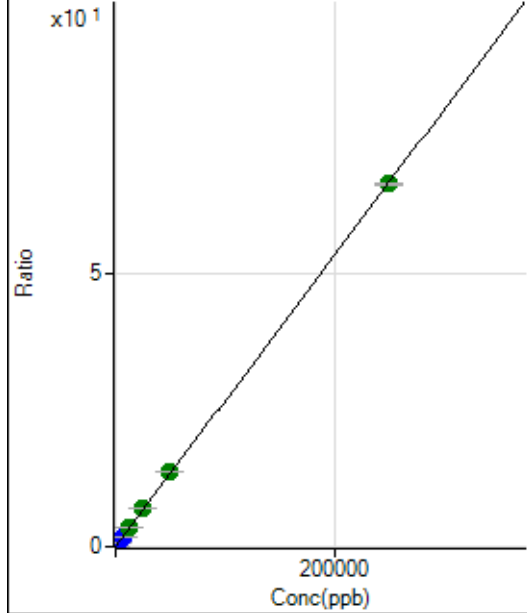
$$R = 0.9999$$

$$DL = 0.02574$$

$$BEC = 0.3376$$

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      | 1217.97     | 0.0016  | P        | 5.7 |
| 2 | <input type="checkbox"/> | 50.000    | 55.680     | 12765.24    | 0.0164  | P        | 3.5 |
| 3 | <input type="checkbox"/> | 2500.000  | 2829.212   | 559472.37   | 0.7534  | P        | 0.3 |
| 4 | <input type="checkbox"/> | 6250.000  | 7046.937   | 1371796.78  | 1.8741  | P        | 0.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 13160.574  | 2512170.29  | 3.4986  | A        | 0.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 26369.593  | 4816322.93  | 7.0085  | A        | 0.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 51750.453  | 9339137.04  | 13.7527 | A        | 0.4 |
| 8 | <input type="checkbox"/> | 250000.00 | 249456.70  | 45797458.35 | 66.2874 | A        | 0.4 |

$$y = 2.6572E-004 * x + 0.0016$$

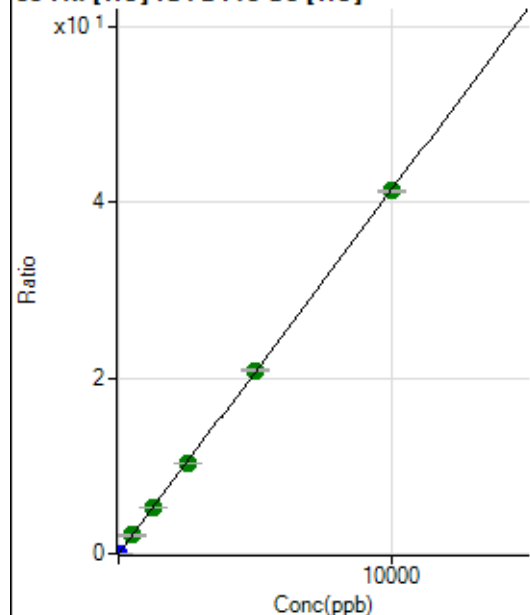
$$R = 1.0000$$

$$DL = 1.005$$

$$BEC = 5.915$$

Weight: &lt;None&gt;

Min Conc: 0

**55 Mn [He] ISTD:45 Sc [He]**

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 167.78      | 0.0002  | P        | 12.3 |
| 2 | <input type="checkbox"/> | 1.000     | 1.104      | 3738.28     | 0.0048  | P        | 2.3  |
| 3 | <input type="checkbox"/> | 500.000   | 503.981    | 1551253.90  | 2.0888  | A        | 0.8  |
| 4 | <input type="checkbox"/> | 1250.000  | 1264.991   | 3837429.21  | 5.2425  | A        | 1.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2499.990   | 7439143.71  | 10.3605 | A        | 0.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 5043.517   | 14363548.40 | 20.9013 | A        | 1.0  |
| 7 | <input type="checkbox"/> | 10000.000 | 9976.171   | 28075379.58 | 41.3430 | A        | 0.7  |
| 8 | <input type="checkbox"/> |           |            | 54630.97    | 0.0791  | P        | 1.6  |

$$y = 0.0041 * x + 2.1662E-004$$

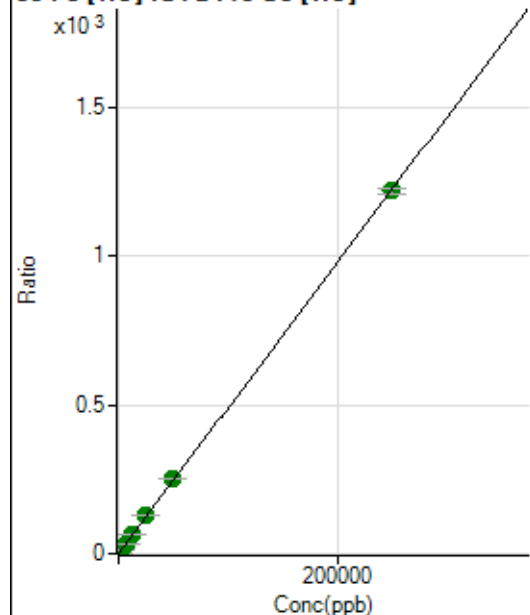
$$R = 1.0000$$

$$DL = 0.01929$$

$$BEC = 0.05227$$

Weight: &lt;None&gt;

Min Conc: 0

**56 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      | 12229.21    | 0.0158    | P        | 2.0 |
| 2 | <input type="checkbox"/> | 50.000    | 54.209     | 218572.23   | 0.2803    | P        | 0.7 |
| 3 | <input type="checkbox"/> | 2500.000  | 2630.193   | 9541465.38  | 12.8486   | A        | 1.1 |
| 4 | <input type="checkbox"/> | 6250.000  | 6604.691   | 23599480.85 | 32.2405   | A        | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12919.534  | 45269965.36 | 63.0509   | A        | 1.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 26199.266  | 87855649.18 | 127.8435  | A        | 0.6 |
| 7 | <input type="checkbox"/> | 50000.000 | 51533.536  | 170756707.5 | 251.4509  | A        | 0.7 |
| 8 | <input type="checkbox"/> | 250000.00 | 249542.21  | 841170915.1 | 1,217.546 | A        | 1.3 |

$$y = 0.0049 * x + 0.0158$$

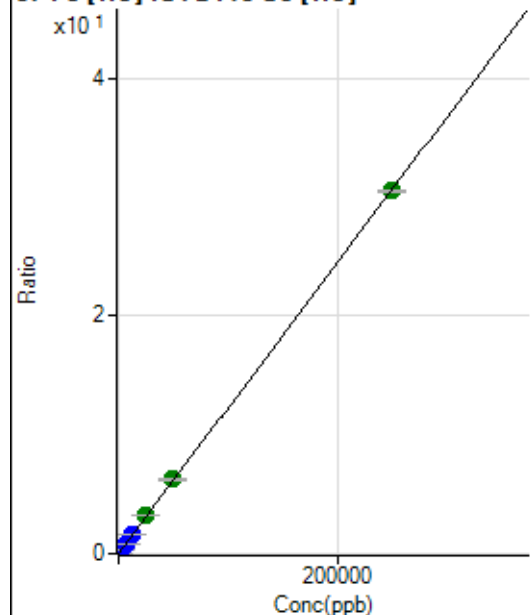
$$R = 1.0000$$

$$DL = 0.1943$$

$$BEC = 3.235$$

Weight: &lt;None&gt;

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      | 433.35      | 0.0006  | P    | 3.7 |
| 2 | <input type="checkbox"/> | 50.000    | 53.040     | 5488.14     | 0.0070  | P    | 2.7 |
| 3 | <input type="checkbox"/> | 2500.000  | 2730.490   | 248105.10   | 0.3341  | P    | 0.6 |
| 4 | <input type="checkbox"/> | 6250.000  | 6781.220   | 606718.09   | 0.8289  | P    | 0.6 |
| 5 | <input type="checkbox"/> | 12500.000 | 13447.847  | 1179796.90  | 1.6432  | P    | 1.2 |
| 6 | <input type="checkbox"/> | 25000.000 | 25903.491  | 2174794.93  | 3.1646  | A    | 0.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 50961.257  | 4227511.61  | 6.2254  | A    | 0.5 |
| 8 | <input type="checkbox"/> | 250000.00 | 249654.42  | 21068658.57 | 30.4954 | A    | 0.8 |

$$y = 1.2215\text{E-}004 * x + 5.5936\text{E-}004$$

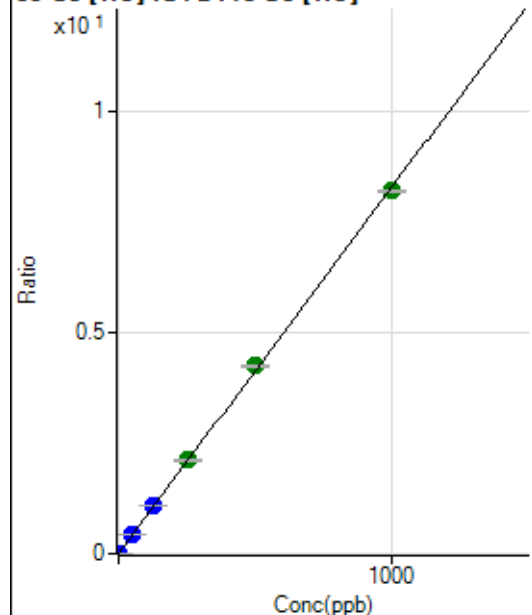
$$R = 1.0000$$

$$DL = 0.5044$$

$$BEC = 4.579$$

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      | 87.78      | 0.0001 | P    | 22.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.072      | 7006.15    | 0.0090 | P    | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 53.241     | 327280.66  | 0.4407 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 131.353    | 795729.94  | 1.0871 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 255.004    | 1515280.10 | 2.1103 | A    | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 512.678    | 2915536.83 | 4.2427 | A    | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.454    | 5571595.61 | 8.2047 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 24485.65   | 0.0354 | P    | 1.4  |

$$y = 0.0083 * x + 1.1329\text{E-}004$$

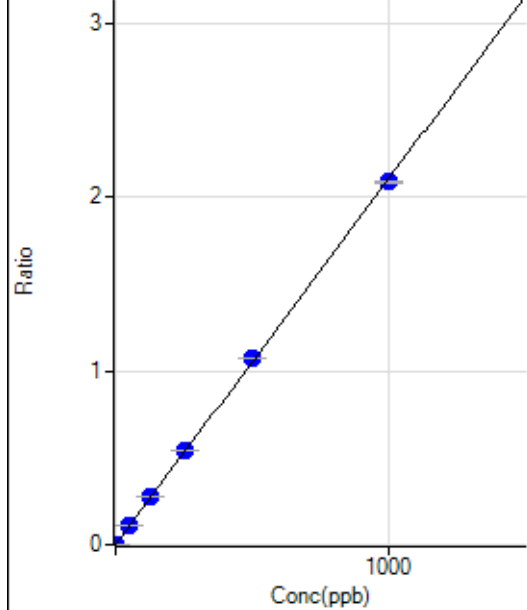
$$R = 0.9999$$

$$DL = 0.009403$$

$$BEC = 0.01369$$

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      | 84.45      | 0.0001 | P        | 24.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.072      | 1845.68    | 0.0024 | P        | 4.9  |
| 3 | <input type="checkbox"/> | 50.000   | 54.052     | 84605.90   | 0.1139 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 131.055    | 202083.66  | 0.2761 | P        | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 257.172    | 388906.67  | 0.5416 | P        | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 509.881    | 737927.90  | 1.0738 | P        | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.307    | 1419046.37 | 2.0897 | P        | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 7305.17    | 0.0106 | P        | 2.2  |

$$y = 0.0021 * x + 1.0896E-004$$

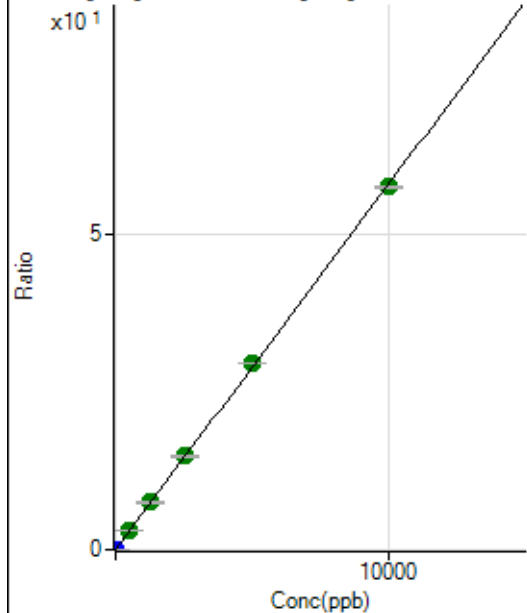
$$R = 0.9999$$

$$DL = 0.03869$$

$$BEC = 0.05175$$

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      | 726.69      | 0.0009  | P        | 8.2 |
| 2 | <input type="checkbox"/> | 2.000     | 2.184      | 10580.49    | 0.0136  | P        | 0.5 |
| 3 | <input type="checkbox"/> | 500.000   | 525.627    | 2257840.26  | 3.0404  | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1250.000  | 1294.844   | 5481328.91  | 7.4884  | A        | 1.0 |
| 5 | <input type="checkbox"/> | 2500.000  | 2557.110   | 10617413.18 | 14.7875 | A        | 1.1 |
| 6 | <input type="checkbox"/> | 5000.000  | 5095.224   | 20248627.62 | 29.4642 | A        | 0.5 |
| 7 | <input type="checkbox"/> | 10000.000 | 9931.224   | 38998269.14 | 57.4284 | A        | 0.6 |
| 8 | <input type="checkbox"/> |           |            | 57510.01    | 0.0832  | P        | 0.6 |

$$y = 0.0058 * x + 9.3786E-004$$

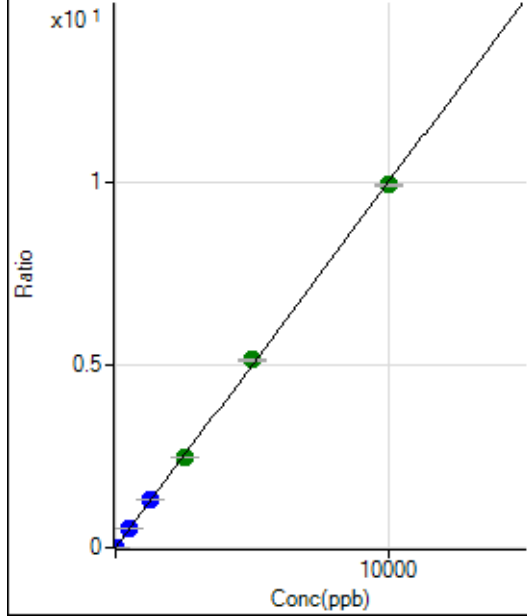
$$R = 0.9999$$

$$DL = 0.03975$$

$$BEC = 0.1622$$

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      | 375.57     | 0.0005 | P   | 4.0 |
| 2 | <input type="checkbox"/> | 2.000     | 4.621      | 3992.79    | 0.0051 | P   | 1.1 |
| 3 | <input type="checkbox"/> | 500.000   | 534.152    | 398238.93  | 0.5362 | P   | 0.8 |
| 4 | <input type="checkbox"/> | 1250.000  | 1313.545   | 964726.12  | 1.3180 | P   | 0.8 |
| 5 | <input type="checkbox"/> | 2500.000  | 2471.967   | 1780555.77 | 2.4799 | A   | 1.5 |
| 6 | <input type="checkbox"/> | 5000.000  | 5143.828   | 3545830.36 | 5.1597 | A   | 0.8 |
| 7 | <input type="checkbox"/> | 10000.000 | 9925.443   | 6760713.10 | 9.9557 | A   | 0.4 |
| 8 | <input type="checkbox"/> |           |            | 23301.58   | 0.0337 | P   | 0.9 |

$$y = 0.0010 * x + 4.8475E-004$$

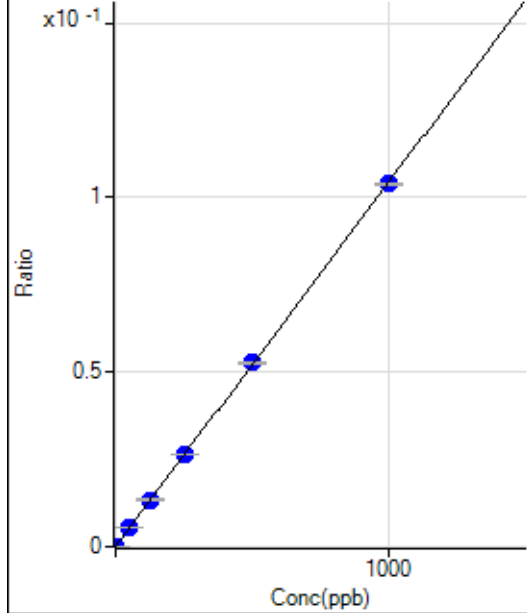
$$R = 0.9998$$

$$DL = 0.05828$$

$$BEC = 0.4833$$

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      | 15.43     | 0.0000 | P   | 29.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.029      | 521.00    | 0.0001 | P   | 12.7 |
| 3 | <input type="checkbox"/> | 50.000   | 51.860     | 24505.39  | 0.0054 | P   | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 128.842    | 59995.66  | 0.0134 | P   | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 251.454    | 114735.12 | 0.0262 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 505.598    | 225114.27 | 0.0527 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.264    | 440772.42 | 0.1039 | P   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 792.00    | 0.0002 | P   | 1.9  |

$$y = 1.0430E-004 * x + 3.2874E-006$$

$$R = 1.0000$$

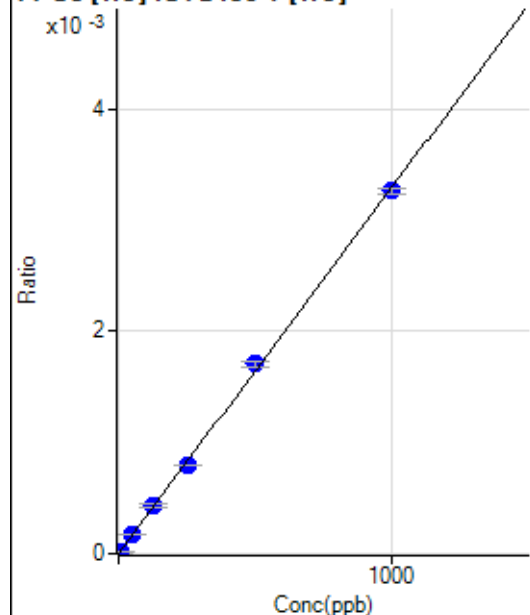
$$DL = 0.02775$$

$$BEC = 0.03152$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD   |
|---|--------------------------|----------|------------|----------|--------|----------|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.22     | 0.0000 | P        | 173.2 |
| 2 | <input type="checkbox"/> | 5.000    | 4.591      | 73.33    | 0.0000 | P        | 16.7  |
| 3 | <input type="checkbox"/> | 50.000   | 53.606     | 800.03   | 0.0002 | P        | 3.0   |
| 4 | <input type="checkbox"/> | 125.000  | 129.676    | 1904.59  | 0.0004 | P        | 7.3   |
| 5 | <input type="checkbox"/> | 250.000  | 242.650    | 3491.56  | 0.0008 | P        | 1.3   |
| 6 | <input type="checkbox"/> | 500.000  | 518.082    | 7270.74  | 0.0017 | P        | 2.4   |
| 7 | <input type="checkbox"/> | 1000.000 | 992.034    | 13835.47 | 0.0033 | P        | 1.8   |
| 8 | <input type="checkbox"/> |          |            | 24.45    | 0.0000 | P        | 55.4  |

$$y = 3.2875\text{E-}006 * x + 4.7811\text{E-}007$$

$$R = 0.9997$$

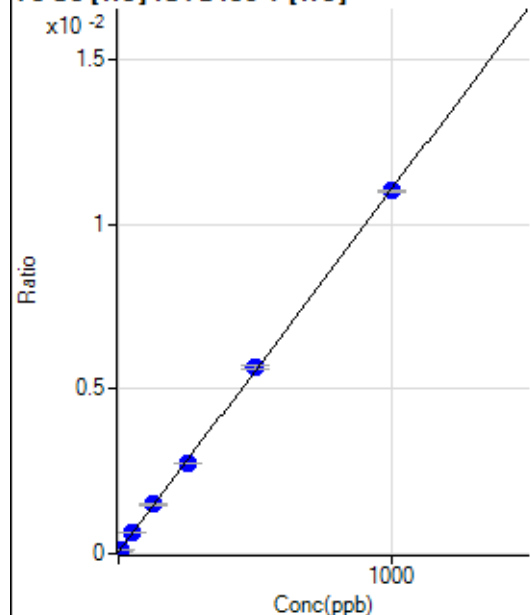
$$DL = 0.7557$$

$$BEC = 0.1454$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|----------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 246.30   | 0.0001 | P        | 6.3 |
| 2 | <input type="checkbox"/> | 5.000    | 5.399      | 528.40   | 0.0001 | P        | 2.5 |
| 3 | <input type="checkbox"/> | 50.000   | 53.558     | 2910.79  | 0.0006 | P        | 0.4 |
| 4 | <input type="checkbox"/> | 125.000  | 131.460    | 6702.17  | 0.0015 | P        | 1.4 |
| 5 | <input type="checkbox"/> | 250.000  | 243.800    | 11983.90 | 0.0027 | P        | 1.5 |
| 6 | <input type="checkbox"/> | 500.000  | 508.907    | 24162.90 | 0.0057 | P        | 2.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 996.109    | 46792.70 | 0.0110 | P        | 0.5 |
| 8 | <input type="checkbox"/> |          |            | 295.07   | 0.0001 | P        | 6.9 |

$$y = 1.1022\text{E-}005 * x + 5.2571\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.9018$$

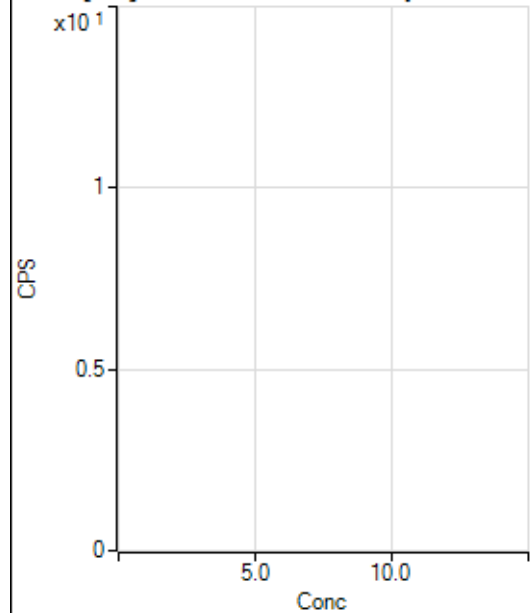
$$BEC = 4.77$$

Weight: &lt;None&gt;

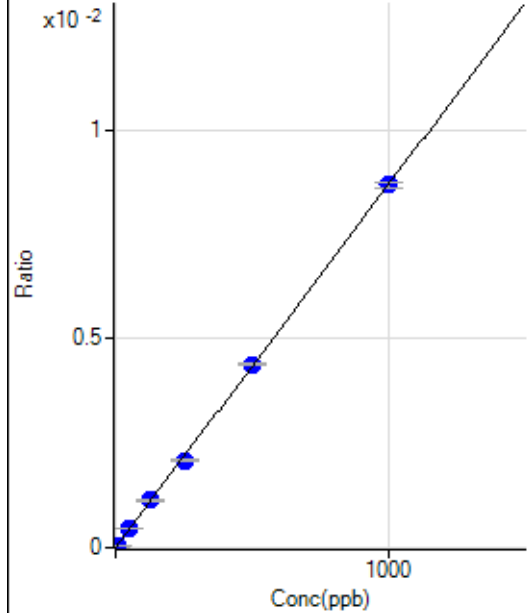
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 18342.44 |       | P        | 2.7 |
| 2 | <input type="checkbox"/> |       |            | 18309.05 |       | P        | 1.9 |
| 3 | <input type="checkbox"/> |       |            | 14629.84 |       | P        | 5.1 |
| 4 | <input type="checkbox"/> |       |            | 14485.23 |       | P        | 2.4 |
| 5 | <input type="checkbox"/> |       |            | 13959.68 |       | P        | 2.2 |
| 6 | <input type="checkbox"/> |       |            | 13731.73 |       | P        | 2.3 |
| 7 | <input type="checkbox"/> |       |            | 19023.85 |       | P        | 3.1 |
| 8 | <input type="checkbox"/> |       |            | 15522.46 |       | P        | 6.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 670.71  |       | P        | 10.4 |
| 2 | <input type="checkbox"/> |       |            | 810.86  |       | P        | 3.7  |
| 3 | <input type="checkbox"/> |       |            | 246.92  |       | P        | 20.0 |
| 4 | <input type="checkbox"/> |       |            | 327.01  |       | P        | 29.7 |
| 5 | <input type="checkbox"/> |       |            | 273.62  |       | P        | 14.8 |
| 6 | <input type="checkbox"/> |       |            | 630.67  |       | P        | 10.4 |
| 7 | <input type="checkbox"/> |       |            | 1595.07 |       | P        | 1.0  |
| 8 | <input type="checkbox"/> |       |            | 423.78  |       | P        | 17.9 |

**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      | -14.79    | 0.0000 | P   | -282. |
| 2 | <input type="checkbox"/> | 5.000    | 4.812      | 779.20    | 0.0000 | P   | 12.7  |
| 3 | <input type="checkbox"/> | 50.000   | 53.406     | 8514.89   | 0.0005 | P   | 0.3   |
| 4 | <input type="checkbox"/> | 125.000  | 130.453    | 20541.89  | 0.0011 | P   | 1.6   |
| 5 | <input type="checkbox"/> | 250.000  | 240.504    | 37920.03  | 0.0021 | P   | 1.3   |
| 6 | <input type="checkbox"/> | 500.000  | 504.701    | 75790.67  | 0.0044 | P   | 0.7   |
| 7 | <input type="checkbox"/> | 1000.000 | 999.172    | 150816.27 | 0.0087 | P   | 1.6   |
| 8 | <input type="checkbox"/> |          |            | 380.18    | 0.0000 | P   | 13.1  |

$$y = 8.6916E-006 * x - 8.1467E-007$$

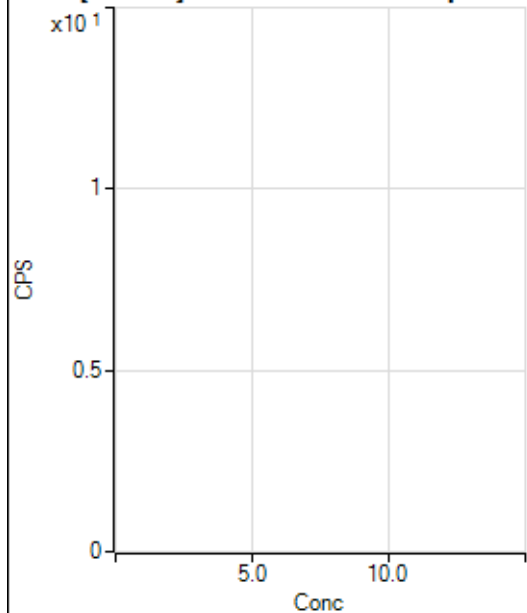
$$R = 0.9999$$

$$DL = 0.7938$$

$$BEC = -0.09373$$

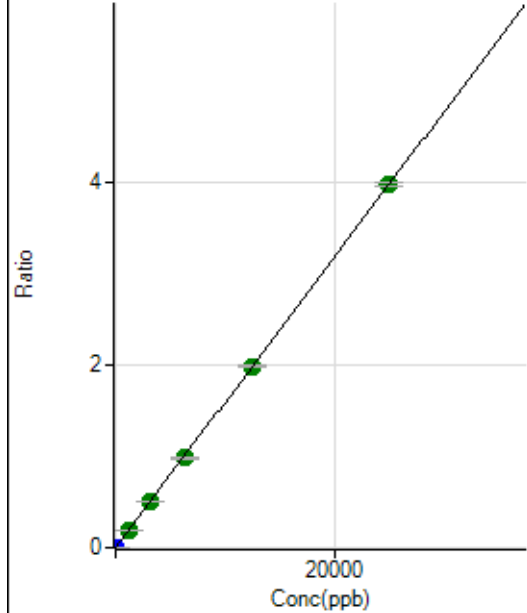
Weight: &lt;None&gt;

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"/> |       |            | 1919.03 |       | P   | 2.7  |
| 2 | <input type="checkbox"/> |       |            | 1904.59 |       | P   | 6.0  |
| 3 | <input type="checkbox"/> |       |            | 203.34  |       | P   | 11.8 |
| 4 | <input type="checkbox"/> |       |            | 205.56  |       | P   | 6.1  |
| 5 | <input type="checkbox"/> |       |            | 384.45  |       | P   | 19.8 |
| 6 | <input type="checkbox"/> |       |            | 538.91  |       | P   | 10.9 |
| 7 | <input type="checkbox"/> |       |            | 517.80  |       | P   | 2.6  |
| 8 | <input type="checkbox"/> |       |            | 462.24  |       | P   | 5.1  |

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 3178.20     | 0.0002 | P        | 4.0 |
| 2 | <input type="checkbox"/> | 1.000     | 0.920      | 6043.04     | 0.0003 | P        | 1.4 |
| 3 | <input type="checkbox"/> | 1250.000  | 1254.666   | 3664722.96  | 0.1994 | A        | 0.3 |
| 4 | <input type="checkbox"/> | 3125.000  | 3150.016   | 9073247.51  | 0.5004 | A        | 0.7 |
| 5 | <input type="checkbox"/> | 6250.000  | 6196.083   | 17861664.81 | 0.9842 | A        | 1.1 |
| 6 | <input type="checkbox"/> | 12500.000 | 12491.230  | 34282641.04 | 1.9839 | A        | 1.1 |
| 7 | <input type="checkbox"/> | 25000.000 | 25014.504  | 69004657.10 | 3.9728 | A        | 0.9 |
| 8 | <input type="checkbox"/> |           |            | 108854.47   | 0.0066 | P        | 0.6 |

$$y = 1.5881E-004 * x + 1.7189E-004$$

$$R = 1.0000$$

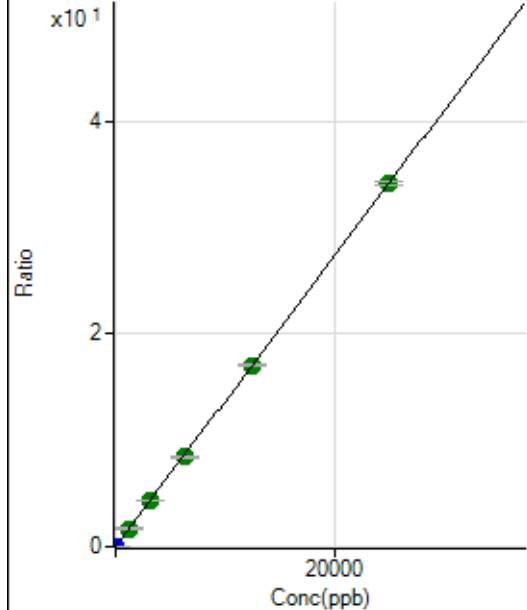
$$DL = 0.1283$$

$$BEC = 1.082$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 488.91      | 0.0000  | P        | 8.1 |
| 2 | <input type="checkbox"/> | 1.000     | 1.007      | 26635.81    | 0.0014  | P        | 2.0 |
| 3 | <input type="checkbox"/> | 1250.000  | 1256.700   | 31523656.26 | 1.7156  | A        | 1.4 |
| 4 | <input type="checkbox"/> | 3125.000  | 3158.697   | 78181319.80 | 4.3120  | A        | 0.4 |
| 5 | <input type="checkbox"/> | 6250.000  | 6184.636   | 153229706.2 | 8.4427  | A        | 0.8 |
| 6 | <input type="checkbox"/> | 12500.000 | 12520.215  | 295336923.2 | 17.0915 | A        | 1.4 |
| 7 | <input type="checkbox"/> | 25000.000 | 25001.686  | 592803802.1 | 34.1301 | A        | 1.0 |
| 8 | <input type="checkbox"/> |           |            | 931811.82   | 0.0567  | P        | 1.4 |

$$y = 0.0014 * x + 2.6454E-005$$

$$R = 1.0000$$

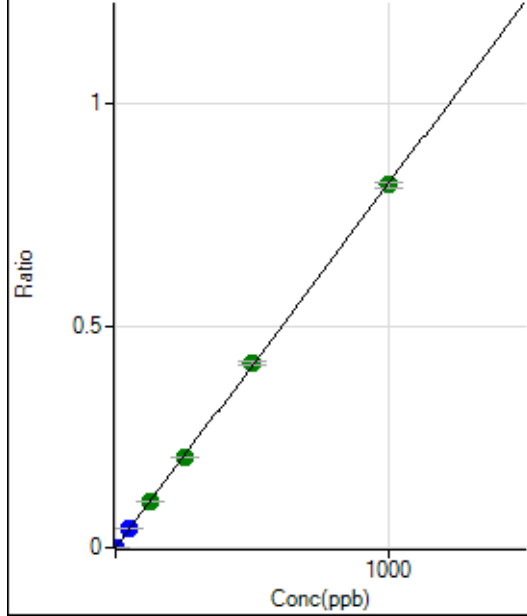
$$DL = 0.004684$$

$$BEC = 0.01938$$

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      | 708.37      | 0.0000 | P    | 13.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.981      | 16025.77    | 0.0008 | P    | 1.8  |
| 3 | <input type="checkbox"/> | 50.000   | 52.071     | 785846.55   | 0.0428 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 127.775    | 1901735.03  | 0.1049 | A    | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 248.798    | 3705666.27  | 0.2042 | A    | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 506.646    | 7184413.61  | 0.4158 | A    | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.527    | 14202744.07 | 0.8177 | A    | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 26955.84    | 0.0016 | P    | 2.6  |

$$y = 8.2056\text{E-}004 * x + 3.8258\text{E-}005$$

$$R = 1.0000$$

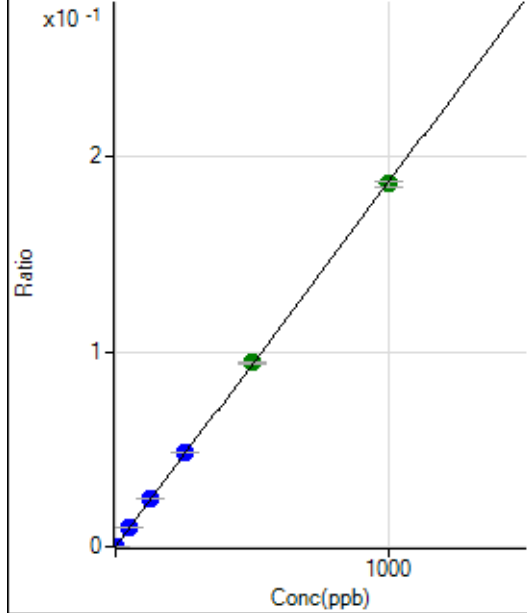
$$DL = 0.0183$$

$$BEC = 0.04662$$

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      | 152.79     | 0.0000 | P    | 12.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.931      | 3464.38    | 0.0002 | P    | 3.1  |
| 3 | <input type="checkbox"/> | 50.000   | 51.864     | 178358.71  | 0.0097 | P    | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 131.425    | 445671.44  | 0.0246 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 257.741    | 874705.53  | 0.0482 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 503.831    | 1627948.10 | 0.0942 | A    | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.253    | 3232155.00 | 0.1861 | A    | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 6201.48    | 0.0004 | P    | 1.3  |

$$y = 1.8697\text{E-}004 * x + 8.2540\text{E-}006$$

$$R = 0.9999$$

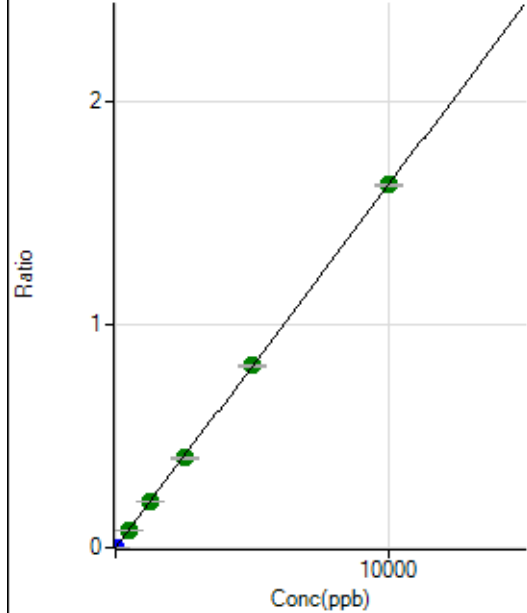
$$DL = 0.01706$$

$$BEC = 0.04415$$

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      | 275.01      | 0.0000 | P    | 14.8 |
| 2 | <input type="checkbox"/> | 5.000     | 5.963      | 18684.53    | 0.0010 | P    | 2.7  |
| 3 | <input type="checkbox"/> | 500.000   | 498.812    | 1489174.65  | 0.0810 | A    | 0.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1265.429   | 3726855.42  | 0.2056 | A    | 1.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2475.677   | 7298265.44  | 0.4021 | A    | 1.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 5009.814   | 14062089.03 | 0.8138 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 9999.304   | 28211410.01 | 1.6242 | A    | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 45167.51    | 0.0027 | P    | 0.9  |

$$y = 1.6243\text{E-}004 * x + 1.4848\text{E-}005$$

$$R = 1.0000$$

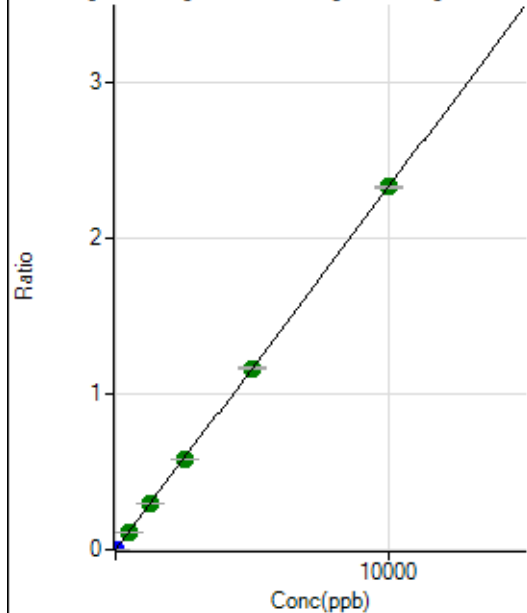
$$DL = 0.0406$$

$$BEC = 0.09141$$

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      | 41.67       | 0.0000 | P    | 40.0 |
| 2 | <input type="checkbox"/> | 5.000     | 5.216      | 23163.30    | 0.0012 | P    | 1.7  |
| 3 | <input type="checkbox"/> | 500.000   | 496.194    | 2127402.61  | 0.1158 | A    | 0.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1258.835   | 5324657.15  | 0.2937 | A    | 1.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2480.174   | 10501096.15 | 0.5786 | A    | 1.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 5006.518   | 20184159.13 | 1.1681 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 10000.783  | 40526571.39 | 2.3333 | A    | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 61809.18    | 0.0038 | P    | 0.1  |

$$y = 2.3331\text{E-}004 * x + 2.2556\text{E-}006$$

$$R = 1.0000$$

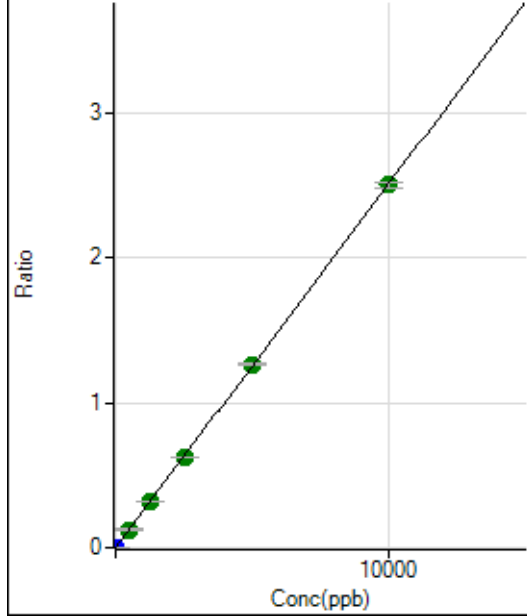
$$DL = 0.01162$$

$$BEC = 0.009668$$

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      | 138.89      | 0.0000 | P        | 10.6 |
| 2 | <input type="checkbox"/> | 5.000     | 5.290      | 25380.92    | 0.0013 | P        | 1.2  |
| 3 | <input type="checkbox"/> | 500.000   | 501.676    | 2314923.45  | 0.1260 | A        | 0.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1266.672   | 5766414.71  | 0.3180 | A        | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2488.170   | 11337382.63 | 0.6247 | A        | 1.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 5043.852   | 21884587.99 | 1.2664 | A        | 0.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 9978.863   | 43516629.45 | 2.5055 | A        | 1.2  |
| 8 | <input type="checkbox"/> |           |            | 71637.59    | 0.0044 | P        | 1.5  |

$$y = 2.5108\text{E-}004 * x + 7.5166\text{E-}006$$

$$R = 1.0000$$

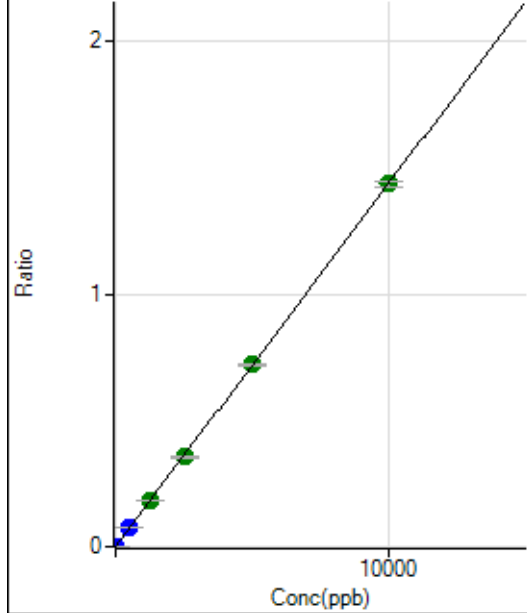
$$DL = 0.009512$$

$$BEC = 0.02994$$

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      | 33.33       | 0.0000 | P        | 49.9 |
| 2 | <input type="checkbox"/> | 5.000     | 5.049      | 13815.22    | 0.0007 | P        | 2.7  |
| 3 | <input type="checkbox"/> | 500.000   | 514.111    | 1357121.11  | 0.0738 | P        | 1.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1262.739   | 3288608.04  | 0.1814 | A        | 0.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2476.797   | 6456077.23  | 0.3558 | A        | 1.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 5015.504   | 12449538.47 | 0.7204 | A        | 0.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 9995.751   | 24935697.26 | 1.4358 | A        | 1.9  |
| 8 | <input type="checkbox"/> |           |            | 37679.94    | 0.0023 | P        | 2.2  |

$$y = 1.4364\text{E-}004 * x + 1.8048\text{E-}006$$

$$R = 1.0000$$

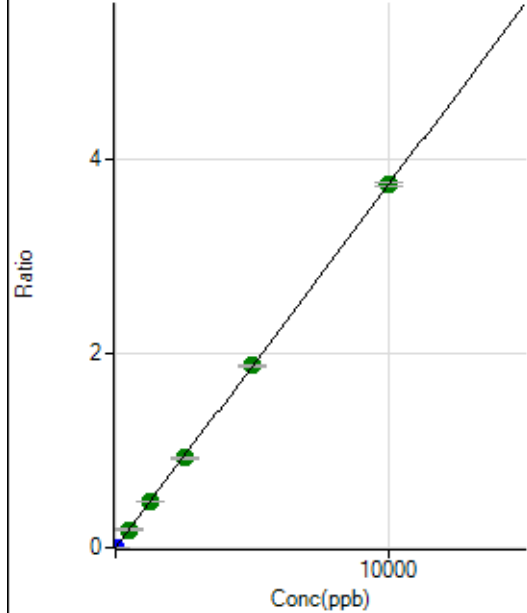
$$DL = 0.01882$$

$$BEC = 0.01257$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 91.67       | 0.0000 | P        | 18.5 |
| 2 | <input type="checkbox"/> | 5.000     | 5.187      | 36966.97    | 0.0019 | P        | 2.6  |
| 3 | <input type="checkbox"/> | 500.000   | 503.073    | 3458815.53  | 0.1882 | A        | 0.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1258.795   | 8539071.20  | 0.4710 | A        | 0.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2470.492   | 16773702.63 | 0.9243 | A        | 1.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 5015.666   | 32427689.61 | 1.8765 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 9998.291   | 64970604.92 | 3.7407 | A        | 1.2  |
| 8 | <input type="checkbox"/> |           |            | 98372.13    | 0.0060 | P        | 1.2  |

$$y = 3.7413\text{E-}004 * x + 4.9591\text{E-}006$$

$$R = 1.0000$$

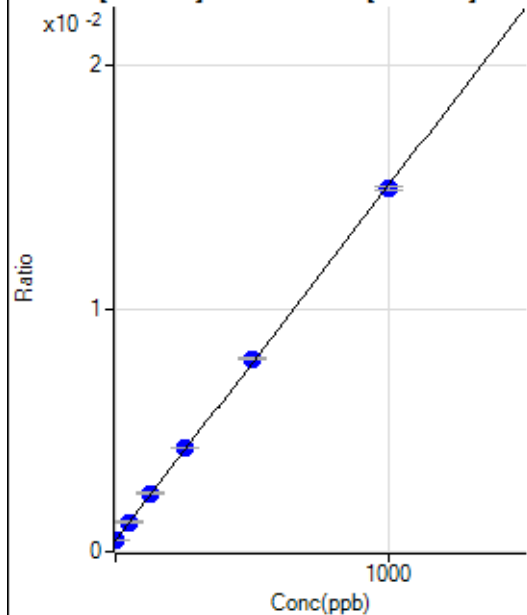
$$DL = 0.007351$$

$$BEC = 0.01325$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-----------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 7432.62   | 0.0005 | P        | 4.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.669      | 7652.22   | 0.0005 | P        | 3.0 |
| 3 | <input type="checkbox"/> | 50.000   | 51.007     | 19471.91  | 0.0012 | P        | 3.6 |
| 4 | <input type="checkbox"/> | 125.000  | 133.210    | 39546.28  | 0.0024 | P        | 1.2 |
| 5 | <input type="checkbox"/> | 250.000  | 259.811    | 69324.27  | 0.0043 | P        | 1.0 |
| 6 | <input type="checkbox"/> | 500.000  | 512.462    | 127229.81 | 0.0080 | P        | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 990.240    | 245019.04 | 0.0149 | P        | 1.1 |
| 8 | <input type="checkbox"/> |          |            | 7060.22   | 0.0005 | P        | 3.4 |

$$y = 1.4616\text{E-}005 * x + 4.6065\text{E-}004$$

$$R = 0.9998$$

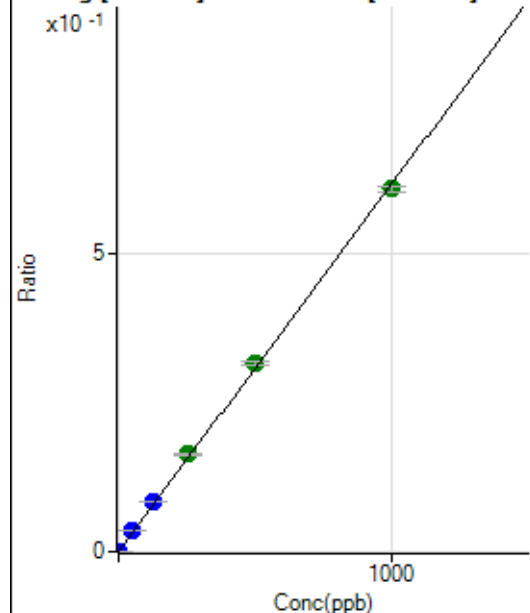
$$DL = 3.9$$

$$BEC = 31.52$$

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      | 88.89      | 0.0000 | P   | 51.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.893      | 9041.93    | 0.0006 | P   | 11.7 |
| 3 | <input type="checkbox"/> | 50.000   | 55.569     | 552921.09  | 0.0342 | P   | 0.2  |
| 4 | <input type="checkbox"/> | 125.000  | 137.466    | 1391004.88 | 0.0847 | P   | 1.7  |
| 5 | <input type="checkbox"/> | 250.000  | 266.105    | 2669300.54 | 0.1640 | A   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 513.253    | 5059953.71 | 0.3162 | A   | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 987.511    | 9982337.81 | 0.6084 | A   | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 15945.32   | 0.0010 | P   | 2.0  |

$$y = 6.1612\text{E-}004 * x + 5.5094\text{E-}006$$

$$R = 0.9997$$

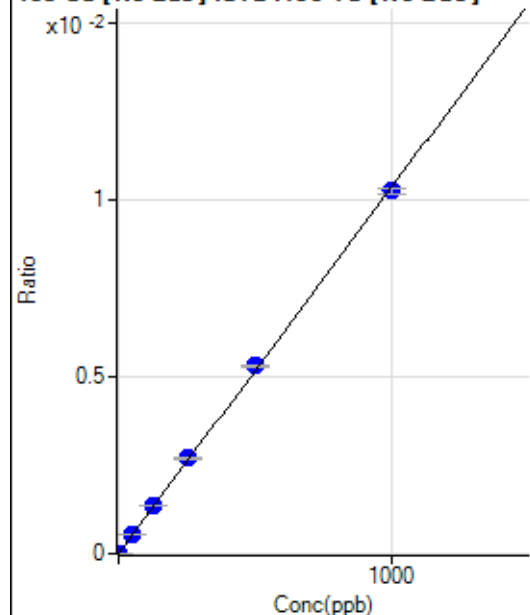
$$DL = 0.01386$$

$$BEC = 0.008942$$

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      | 55.56     | 0.0000 | P   | 36.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.790      | 188.89    | 0.0000 | P   | 5.7  |
| 3 | <input type="checkbox"/> | 50.000   | 53.007     | 8912.56   | 0.0006 | P   | 1.4  |
| 4 | <input type="checkbox"/> | 125.000  | 131.690    | 22432.84  | 0.0014 | P   | 2.7  |
| 5 | <input type="checkbox"/> | 250.000  | 260.309    | 43913.65  | 0.0027 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 512.188    | 84856.19  | 0.0053 | P   | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.342    | 168177.04 | 0.0103 | P   | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 320.84    | 0.0000 | P   | 7.4  |

$$y = 1.0347\text{E-}005 * x + 3.4428\text{E-}006$$

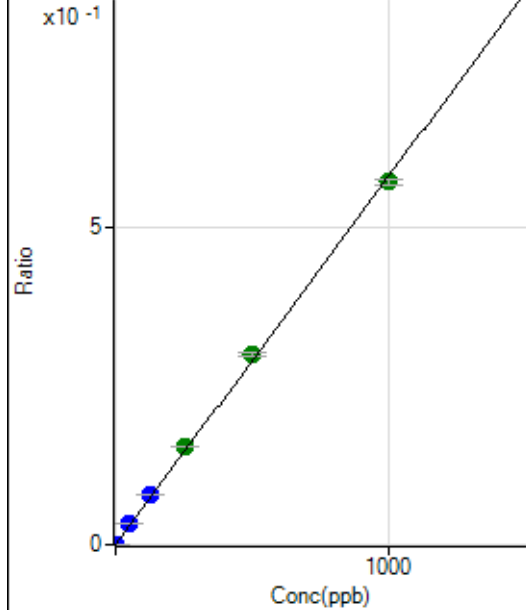
$$R = 0.9998$$

$$DL = 0.3687$$

$$BEC = 0.3327$$

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      | 11.11      | 0.0000 | P    | 114.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.924      | 8708.42    | 0.0005 | P    | 11.9  |
| 3 | <input type="checkbox"/> | 50.000   | 55.822     | 521701.56  | 0.0323 | P    | 0.7   |
| 4 | <input type="checkbox"/> | 125.000  | 136.873    | 1300994.43 | 0.0792 | P    | 1.4   |
| 5 | <input type="checkbox"/> | 250.000  | 264.861    | 2495820.63 | 0.1533 | A    | 0.7   |
| 6 | <input type="checkbox"/> | 500.000  | 517.994    | 4796324.94 | 0.2998 | A    | 2.4   |
| 7 | <input type="checkbox"/> | 1000.000 | 985.513    | 9357609.06 | 0.5704 | A    | 1.7   |
| 8 | <input type="checkbox"/> |          |            | 14916.55   | 0.0010 | P    | 6.7   |

$$y = 5.7875\text{E-}004 * x + 6.8828\text{E-}007$$

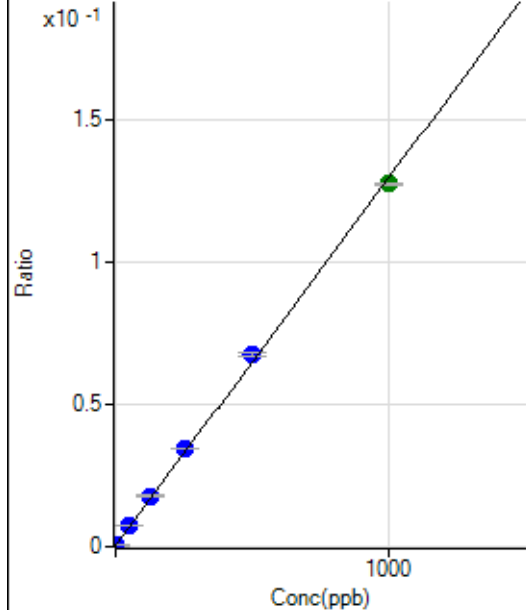
$$R = 0.9996$$

$$DL = 0.004087$$

$$BEC = 0.001189$$

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      | 5191.73    | 0.0003 | P    | 4.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.111      | 7570.38    | 0.0005 | P    | 2.2 |
| 3 | <input type="checkbox"/> | 50.000   | 55.075     | 120134.74  | 0.0074 | P    | 1.2 |
| 4 | <input type="checkbox"/> | 125.000  | 135.182    | 292208.20  | 0.0178 | P    | 1.8 |
| 5 | <input type="checkbox"/> | 250.000  | 263.571    | 559859.05  | 0.0344 | P    | 1.3 |
| 6 | <input type="checkbox"/> | 500.000  | 521.005    | 1082574.84 | 0.0677 | P    | 1.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 984.578    | 2093210.69 | 0.1276 | A    | 0.6 |
| 8 | <input type="checkbox"/> |          |            | 7967.98    | 0.0005 | P    | 2.7 |

$$y = 1.2925\text{E-}004 * x + 3.2177\text{E-}004$$

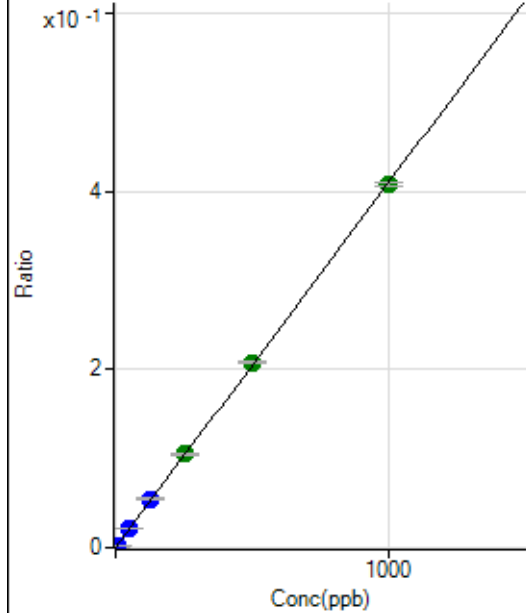
$$R = 0.9995$$

$$DL = 0.3262$$

$$BEC = 2.49$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1539.01    | 0.0001 | P        | 6.5 |
| 2 | <input type="checkbox"/> | 5.000    | 5.314      | 36950.87   | 0.0023 | P        | 0.9 |
| 3 | <input type="checkbox"/> | 50.000   | 53.666     | 356453.76  | 0.0221 | P        | 0.3 |
| 4 | <input type="checkbox"/> | 125.000  | 133.421    | 898961.98  | 0.0547 | P        | 1.9 |
| 5 | <input type="checkbox"/> | 250.000  | 256.090    | 1709354.61 | 0.1050 | A        | 0.7 |
| 6 | <input type="checkbox"/> | 500.000  | 506.207    | 3319213.92 | 0.2074 | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 994.136    | 6682079.32 | 0.4073 | A        | 1.1 |
| 8 | <input type="checkbox"/> |          |            | 16176.28   | 0.0011 | P        | 3.7 |

$$y = 4.0957E-004 * x + 9.5382E-005$$

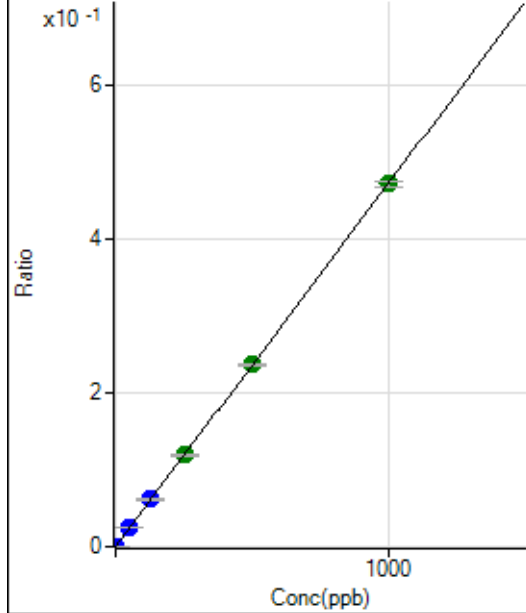
$$R = 0.9999$$

$$DL = 0.04554$$

$$BEC = 0.2329$$

Weight: &lt;None&gt;

Min Conc: 0

**121 Sb [No Gas] ISTD :159 Tb [No Gas]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 83.33      | 0.0000 | P        | 26.4 |
| 2 | <input type="checkbox"/> | 2.000    | 2.123      | 16409.73   | 0.0010 | P        | 2.0  |
| 3 | <input type="checkbox"/> | 50.000   | 52.838     | 403396.29  | 0.0250 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 130.983    | 1016905.89 | 0.0619 | P        | 2.3  |
| 5 | <input type="checkbox"/> | 250.000  | 251.494    | 1935660.70 | 0.1189 | A        | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 500.473    | 3786183.24 | 0.2366 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.500    | 7744692.19 | 0.4720 | A        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 18164.88   | 0.0012 | P        | 1.8  |

$$y = 4.7273E-004 * x + 5.1643E-006$$

$$R = 1.0000$$

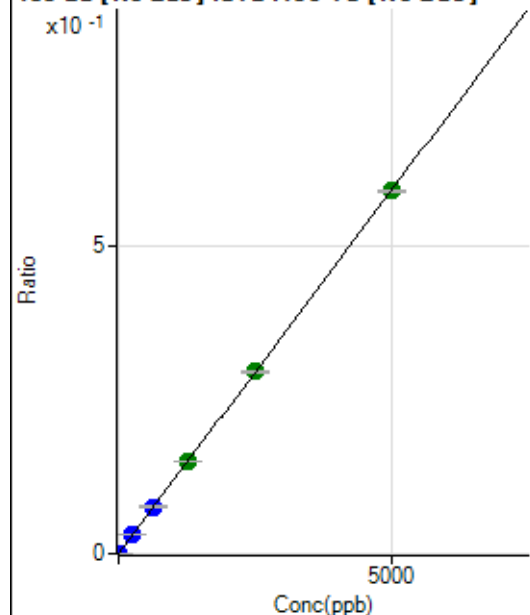
$$DL = 0.00866$$

$$BEC = 0.01092$$

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      | 25.00      | 0.0000 | P   | 33.3 |
| 2 | <input type="checkbox"/> | 10.000   | 10.117     | 19466.71   | 0.0012 | P   | 2.3  |
| 3 | <input type="checkbox"/> | 250.000  | 260.654    | 497342.00  | 0.0308 | P   | 0.9  |
| 4 | <input type="checkbox"/> | 625.000  | 644.905    | 1251403.71 | 0.0762 | P   | 2.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1263.106   | 2430180.78 | 0.1493 | A   | 0.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2503.487   | 4733340.69 | 0.2958 | A   | 1.6  |
| 7 | <input type="checkbox"/> | 5000.000 | 4991.959   | 9678522.09 | 0.5899 | A   | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 17675.98   | 0.0012 | P   | 2.1  |

$$y = 1.1816\text{E-}004 * x + 1.5494\text{E-}006$$

$$R = 1.0000$$

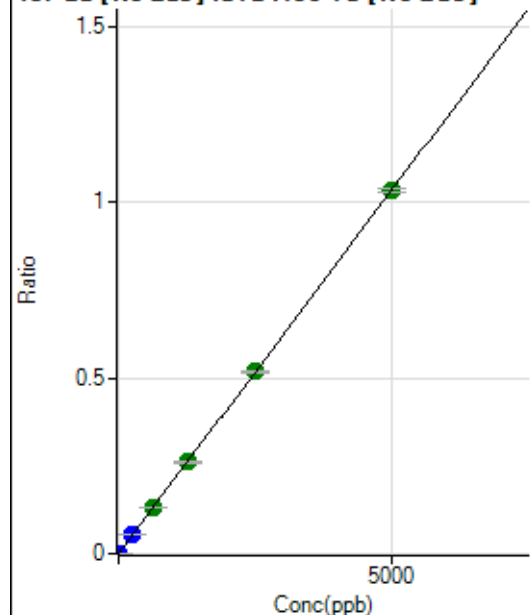
$$DL = 0.01311$$

$$BEC = 0.01311$$

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      | 47.22       | 0.0000 | P   | 20.4 |
| 2 | <input type="checkbox"/> | 10.000   | 10.173     | 34283.53    | 0.0021 | P   | 1.0  |
| 3 | <input type="checkbox"/> | 250.000  | 261.653    | 874180.25   | 0.0541 | P   | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 632.624    | 2149337.72  | 0.1309 | A   | 2.9  |
| 5 | <input type="checkbox"/> | 1250.000 | 1257.909   | 4237657.04  | 0.2603 | A   | 0.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2506.343   | 8297714.94  | 0.5186 | A   | 1.6  |
| 7 | <input type="checkbox"/> | 5000.000 | 4993.315   | 16951614.09 | 1.0332 | A   | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 31609.51    | 0.0021 | P   | 3.9  |

$$y = 2.0691\text{E-}004 * x + 2.9269\text{E-}006$$

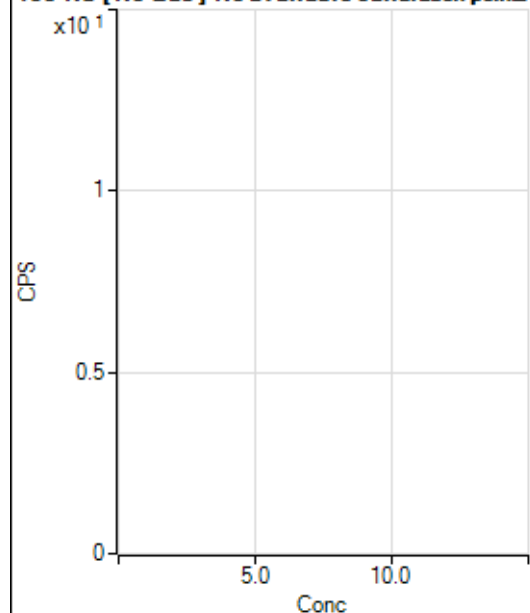
$$R = 1.0000$$

$$DL = 0.008659$$

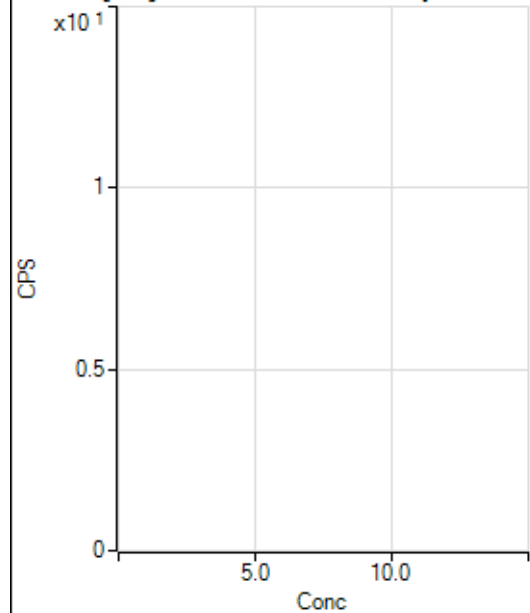
$$BEC = 0.01415$$

Weight: &lt;None&gt;

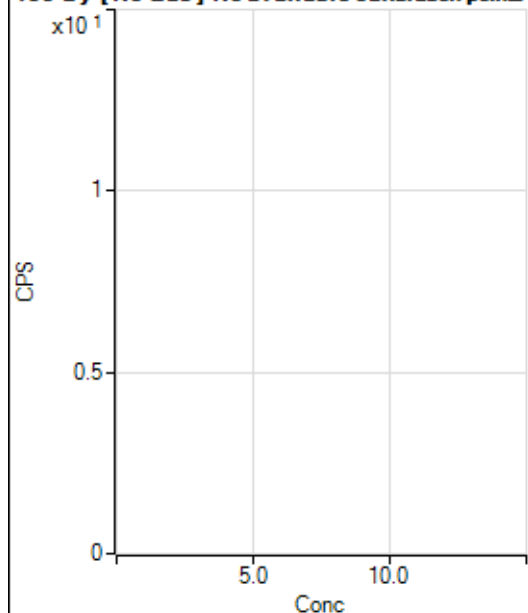
Min Conc: 0

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

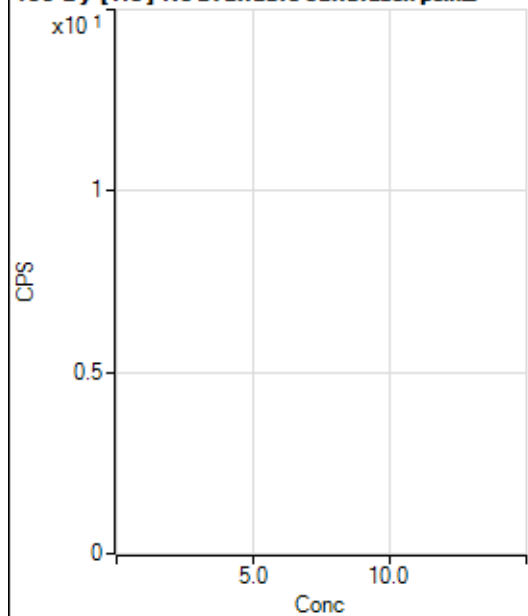
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 43.3  |
| 2 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 173.2 |
| 3 | <input type="checkbox"/> |       |            | 42.22  |       | P        | 24.1  |
| 4 | <input type="checkbox"/> |       |            | 100.00 |       | P        | 0.0   |
| 5 | <input type="checkbox"/> |       |            | 200.01 |       | P        | 18.6  |
| 6 | <input type="checkbox"/> |       |            | 408.90 |       | P        | 9.0   |
| 7 | <input type="checkbox"/> |       |            | 642.25 |       | P        | 4.3   |
| 8 | <input type="checkbox"/> |       |            | 122.23 |       | P        | 22.7  |

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

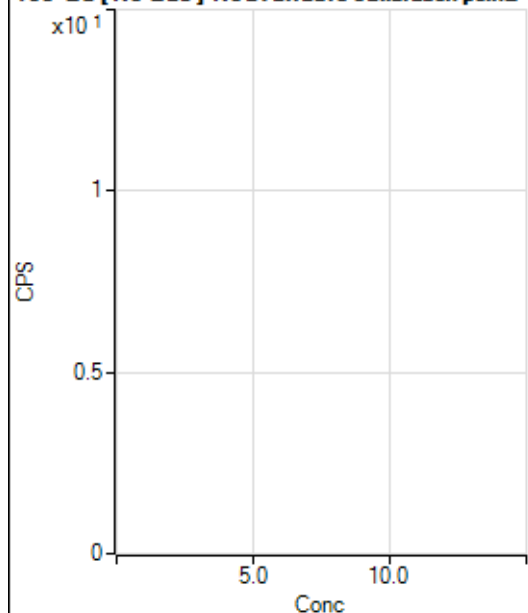
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 4.45   |       | P        | 86.6  |
| 2 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100.1 |
| 3 | <input type="checkbox"/> |       |            | 18.89  |       | P        | 27.0  |
| 4 | <input type="checkbox"/> |       |            | 30.00  |       | P        | 40.1  |
| 5 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 9.6   |
| 6 | <input type="checkbox"/> |       |            | 82.22  |       | P        | 6.2   |
| 7 | <input type="checkbox"/> |       |            | 177.78 |       | P        | 12.2  |
| 8 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 17.6  |

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

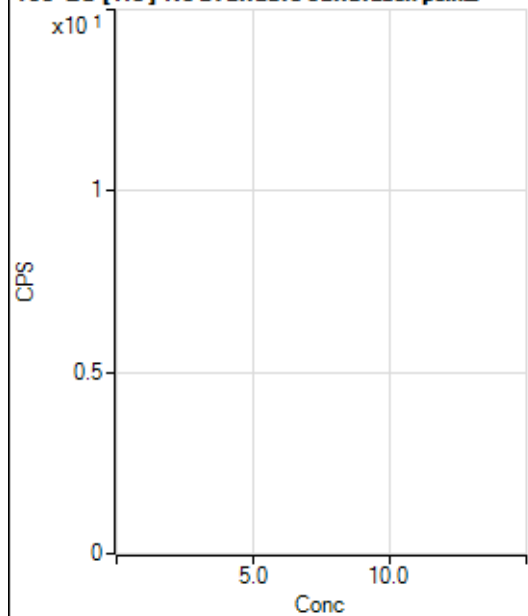
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 2.78   |       | P        | 173.2 |
| 2 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 50.0  |
| 3 | <input type="checkbox"/> |       |            | 19.44  |       | P        | 49.5  |
| 4 | <input type="checkbox"/> |       |            | 80.56  |       | P        | 6.0   |
| 5 | <input type="checkbox"/> |       |            | 105.56 |       | P        | 4.6   |
| 6 | <input type="checkbox"/> |       |            | 230.57 |       | P        | 4.2   |
| 7 | <input type="checkbox"/> |       |            | 444.47 |       | P        | 31.2  |
| 8 | <input type="checkbox"/> |       |            | 972.28 |       | P        | 9.2   |

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

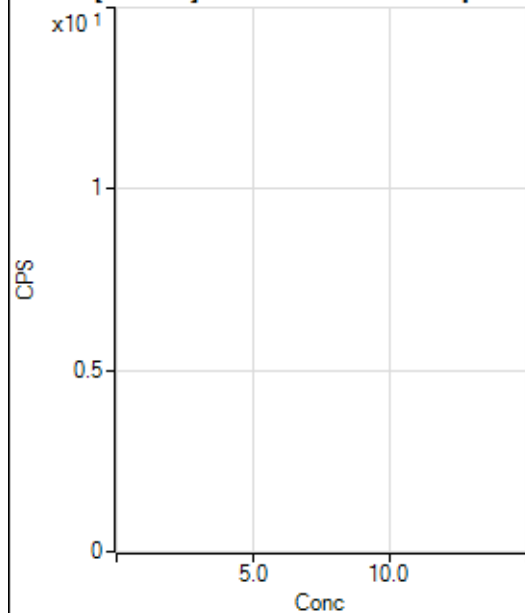
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 68.7 |
| 2 | <input type="checkbox"/> |       |            | 14.45  |       | P        | 48.0 |
| 3 | <input type="checkbox"/> |       |            | 21.11  |       | P        | 24.1 |
| 4 | <input type="checkbox"/> |       |            | 58.89  |       | P        | 17.3 |
| 5 | <input type="checkbox"/> |       |            | 84.44  |       | P        | 18.2 |
| 6 | <input type="checkbox"/> |       |            | 197.78 |       | P        | 1.0  |
| 7 | <input type="checkbox"/> |       |            | 382.23 |       | P        | 3.9  |
| 8 | <input type="checkbox"/> |       |            | 604.46 |       | P        | 4.1  |

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

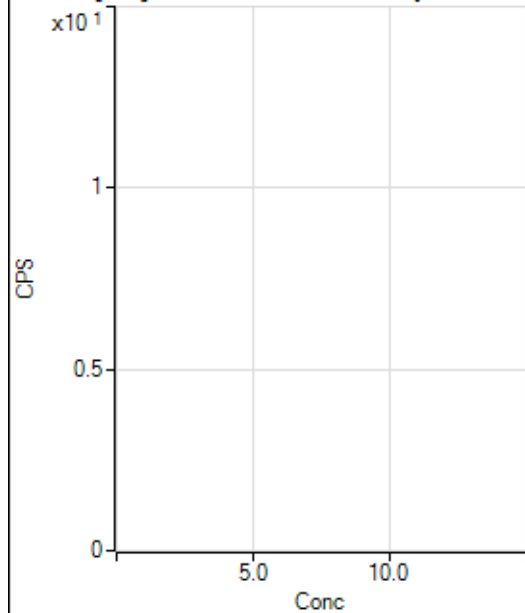
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 105.56 |       | P        | 19.9 |
| 2 | <input type="checkbox"/> |       |            | 122.23 |       | P        | 14.2 |
| 3 | <input type="checkbox"/> |       |            | 119.45 |       | P        | 14.5 |
| 4 | <input type="checkbox"/> |       |            | 122.22 |       | P        | 23.9 |
| 5 | <input type="checkbox"/> |       |            | 158.34 |       | P        | 26.3 |
| 6 | <input type="checkbox"/> |       |            | 222.23 |       | P        | 28.6 |
| 7 | <input type="checkbox"/> |       |            | 286.12 |       | P        | 8.4  |
| 8 | <input type="checkbox"/> |       |            | 744.49 |       | P        | 13.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 343.34 |       | P        | 12.8 |
| 2 | <input type="checkbox"/> |       |            | 375.56 |       | P        | 8.0  |
| 3 | <input type="checkbox"/> |       |            | 352.23 |       | P        | 9.1  |
| 4 | <input type="checkbox"/> |       |            | 366.68 |       | P        | 11.0 |
| 5 | <input type="checkbox"/> |       |            | 354.45 |       | P        | 9.5  |
| 6 | <input type="checkbox"/> |       |            | 384.45 |       | P        | 11.1 |
| 7 | <input type="checkbox"/> |       |            | 415.56 |       | P        | 9.4  |
| 8 | <input type="checkbox"/> |       |            | 777.81 |       | P        | 6.4  |

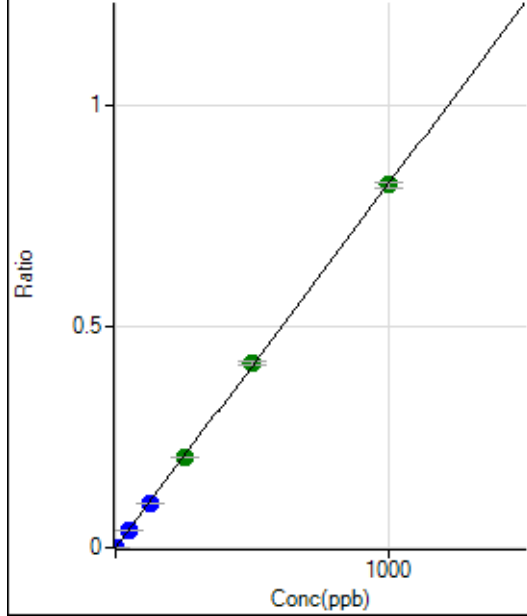
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 111.11 |       | P        | 28.4 |
| 2 | <input type="checkbox"/> |       |            | 100.00 |       | P        | 14.4 |
| 3 | <input type="checkbox"/> |       |            | 100.00 |       | P        | 50.7 |
| 4 | <input type="checkbox"/> |       |            | 138.89 |       | P        | 34.1 |
| 5 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 13.6 |
| 6 | <input type="checkbox"/> |       |            | 147.23 |       | P        | 34.1 |
| 7 | <input type="checkbox"/> |       |            | 213.90 |       | P        | 27.6 |
| 8 | <input type="checkbox"/> |       |            | 172.23 |       | P        | 19.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 83.33  |       | P        | 10.6 |
| 2 | <input type="checkbox"/> |       |            | 97.78  |       | P        | 22.2 |
| 3 | <input type="checkbox"/> |       |            | 94.45  |       | P        | 7.3  |
| 4 | <input type="checkbox"/> |       |            | 96.67  |       | P        | 20.7 |
| 5 | <input type="checkbox"/> |       |            | 116.67 |       | P        | 13.1 |
| 6 | <input type="checkbox"/> |       |            | 104.45 |       | P        | 3.7  |
| 7 | <input type="checkbox"/> |       |            | 141.11 |       | P        | 12.1 |
| 8 | <input type="checkbox"/> |       |            | 116.67 |       | P        | 21.6 |

203 TI [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      | 505.58     | 0.0000 | P    | 12.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.963      | 8778.07    | 0.0008 | P    | 2.3  |
| 3 | <input type="checkbox"/> | 50.000   | 48.854     | 420329.38  | 0.0402 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 122.432    | 1075517.74 | 0.1007 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 248.186    | 2171741.69 | 0.2041 | A    | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 506.860    | 4296745.10 | 0.4167 | A    | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.402    | 8594871.29 | 0.8200 | A    | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 14071.58   | 0.0016 | P    | 3.1  |

$$y = 8.2210\text{E-}004 * x + 4.8592\text{E-}005$$

$$R = 1.0000$$

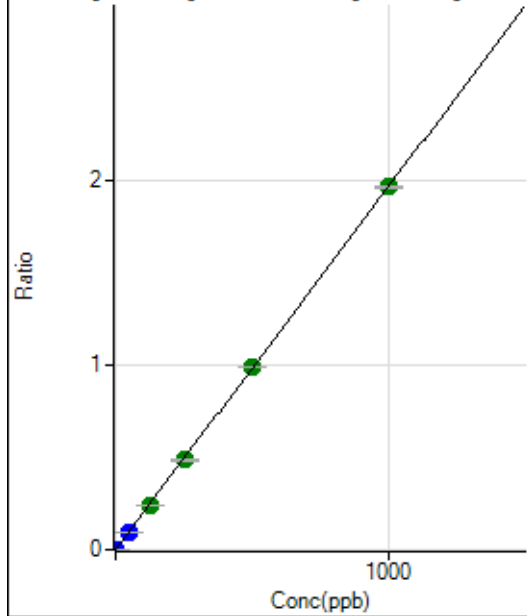
$$DL = 0.02202$$

$$BEC = 0.05911$$

Weight: &lt;None&gt;

Min Conc: 0

205 TI [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      | 1263.99     | 0.0001 | P    | 2.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.938      | 20529.86    | 0.0020 | P    | 2.5 |
| 3 | <input type="checkbox"/> | 50.000   | 48.384     | 994913.50   | 0.0952 | P    | 0.2 |
| 4 | <input type="checkbox"/> | 125.000  | 123.794    | 2598990.53  | 0.2433 | A    | 0.2 |
| 5 | <input type="checkbox"/> | 250.000  | 247.092    | 5166680.76  | 0.4856 | A    | 0.9 |
| 6 | <input type="checkbox"/> | 500.000  | 503.067    | 10191568.20 | 0.9885 | A    | 0.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 999.425    | 20582350.29 | 1.9637 | A    | 0.8 |
| 8 | <input type="checkbox"/> |          |            | 33734.51    | 0.0038 | P    | 4.7 |

$$y = 0.0020 * x + 1.2159\text{E-}004$$

$$R = 1.0000$$

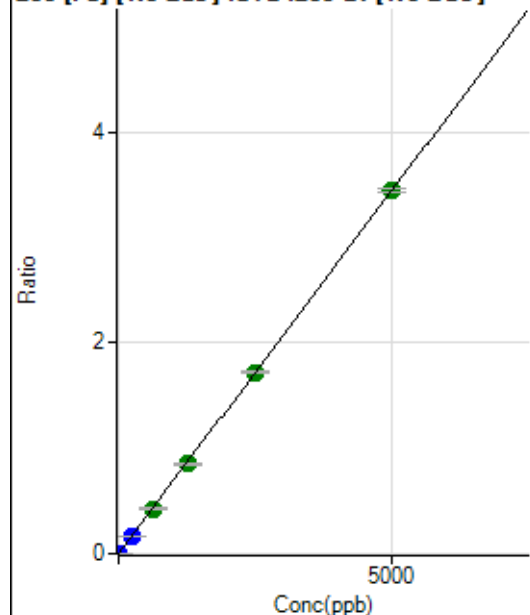
$$DL = 0.004446$$

$$BEC = 0.06188$$

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      | 201.86      | 0.0000 | P   | 9.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.938      | 6953.73     | 0.0007 | P   | 3.9 |
| 3 | <input type="checkbox"/> | 250.000  | 236.678    | 1703850.02  | 0.1630 | P   | 0.7 |
| 4 | <input type="checkbox"/> | 625.000  | 621.158    | 4568691.71  | 0.4278 | A   | 1.2 |
| 5 | <input type="checkbox"/> | 1250.000 | 1237.375   | 9066466.29  | 0.8522 | A   | 1.5 |
| 6 | <input type="checkbox"/> | 2500.000 | 2504.803   | 17784592.64 | 1.7250 | A   | 0.4 |
| 7 | <input type="checkbox"/> | 5000.000 | 5001.901   | 36104471.41 | 3.4447 | A   | 1.1 |
| 8 | <input type="checkbox"/> |          |            | 50334.12    | 0.0056 | P   | 2.2 |

$$y = 6.8868\text{E-}004 * x + 1.9427\text{E-}005$$

$$R = 1.0000$$

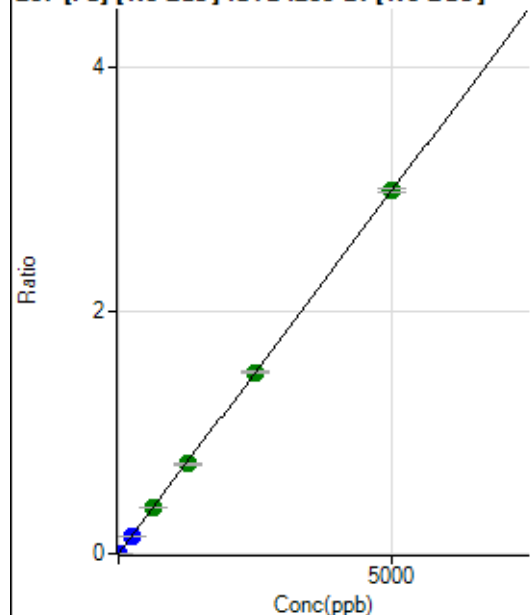
$$DL = 0.007841$$

$$BEC = 0.02821$$

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      | 179.63      | 0.0000 | P   | 7.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.915      | 5890.26     | 0.0006 | P   | 1.4 |
| 3 | <input type="checkbox"/> | 250.000  | 227.417    | 1419161.00  | 0.1358 | P   | 0.9 |
| 4 | <input type="checkbox"/> | 625.000  | 627.083    | 3998397.80  | 0.3744 | A   | 0.8 |
| 5 | <input type="checkbox"/> | 1250.000 | 1237.845   | 7862373.56  | 0.7390 | A   | 1.2 |
| 6 | <input type="checkbox"/> | 2500.000 | 2504.143   | 15412654.97 | 1.4949 | A   | 0.7 |
| 7 | <input type="checkbox"/> | 5000.000 | 5001.836   | 31295935.19 | 2.9860 | A   | 1.2 |
| 8 | <input type="checkbox"/> |          |            | 41681.48    | 0.0047 | P   | 2.5 |

$$y = 5.9697\text{E-}004 * x + 1.7280\text{E-}005$$

$$R = 1.0000$$

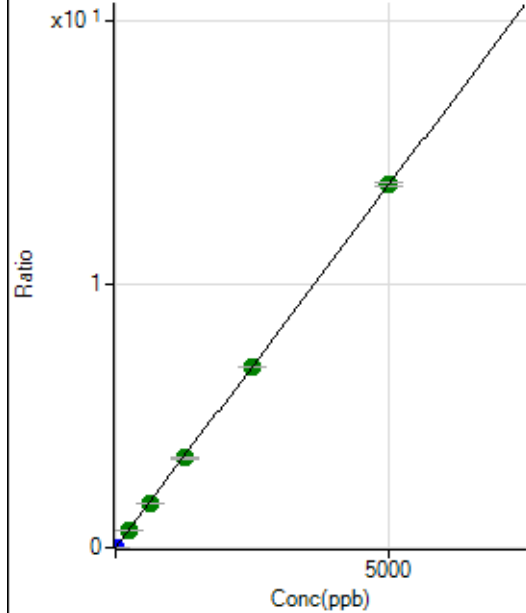
$$DL = 0.006848$$

$$BEC = 0.02895$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 900.03      | 0.0001  | P        | 13.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.930      | 27604.06    | 0.0026  | P        | 1.9  |
| 3 | <input type="checkbox"/> | 250.000  | 240.688    | 6910341.52  | 0.6612  | A        | 1.2  |
| 4 | <input type="checkbox"/> | 625.000  | 619.084    | 18161752.11 | 1.7005  | A        | 0.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1239.393   | 36219761.57 | 3.4043  | A        | 1.2  |
| 6 | <input type="checkbox"/> | 2500.000 | 2495.107   | 70655825.77 | 6.8533  | A        | 0.6  |
| 7 | <input type="checkbox"/> | 5000.000 | 5006.303   | 144122363.8 | 13.7507 | A        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 197065.83   | 0.0221  | P        | 2.2  |

$$y = 0.0027 * x + 8.6638E-005$$

$$R = 1.0000$$

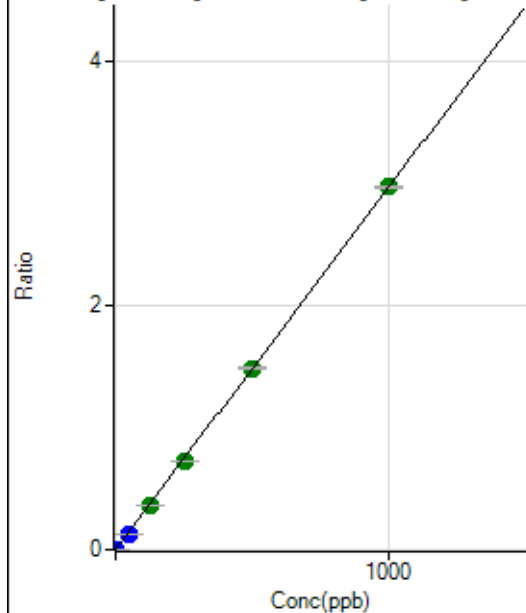
$$DL = 0.01284$$

$$BEC = 0.03154$$

Weight: &lt;None&gt;

Min Conc: 0

232 Th [No Gas] ISTD :209 Bi [No Gas]



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 472.24      | 0.0000 | P        | 9.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.812      | 25629.05    | 0.0025 | P        | 2.3 |
| 3 | <input type="checkbox"/> | 50.000   | 42.758     | 1326127.61  | 0.1269 | P        | 1.5 |
| 4 | <input type="checkbox"/> | 125.000  | 120.660    | 3823173.78  | 0.3580 | A        | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 243.762    | 7693600.69  | 0.7231 | A        | 1.1 |
| 6 | <input type="checkbox"/> | 500.000  | 501.332    | 15331112.84 | 1.4871 | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.799   | 31147375.93 | 2.9717 | A        | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 37153.21    | 0.0042 | P        | 2.3 |

$$y = 0.0030 * x + 4.5435E-005$$

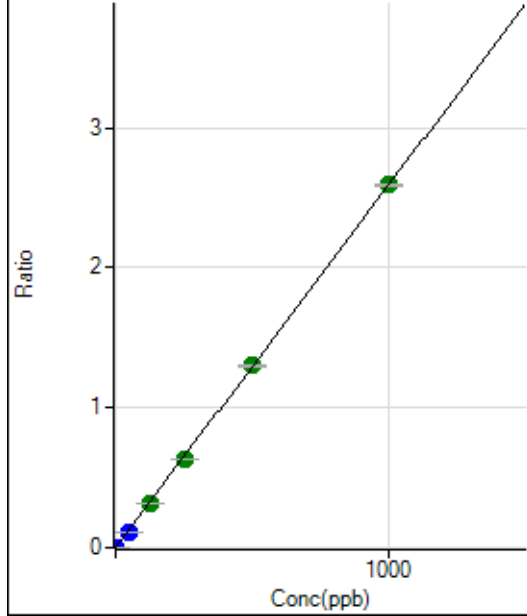
$$R = 1.0000$$

$$DL = 0.004219$$

$$BEC = 0.01532$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 27.78       | 0.0000 | P        | 86.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.875      | 23703.09    | 0.0023 | P        | 1.9  |
| 3 | <input type="checkbox"/> | 50.000   | 43.354     | 1173508.58  | 0.1123 | P        | 1.7  |
| 4 | <input type="checkbox"/> | 125.000  | 121.146    | 3350893.80  | 0.3137 | A        | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 244.133    | 6726995.81  | 0.6323 | A        | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 502.322    | 13412214.36 | 1.3009 | A        | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.120   | 27174939.85 | 2.5927 | A        | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 33444.80    | 0.0037 | P        | 2.7  |

$$y = 0.0026 * x + 2.6575E-006$$

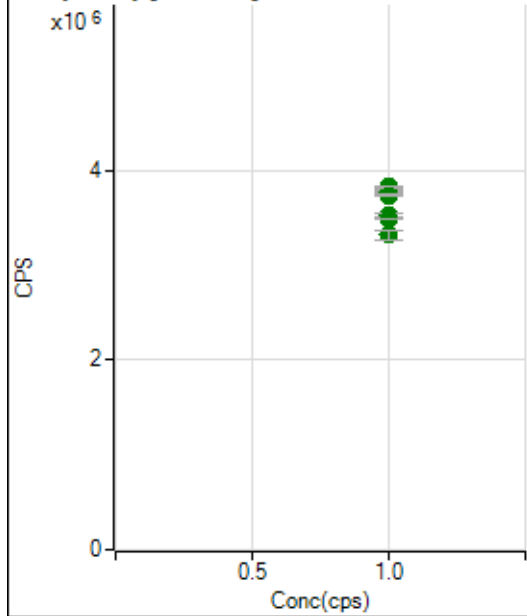
$$R = 1.0000$$

$$DL = 0.002666$$

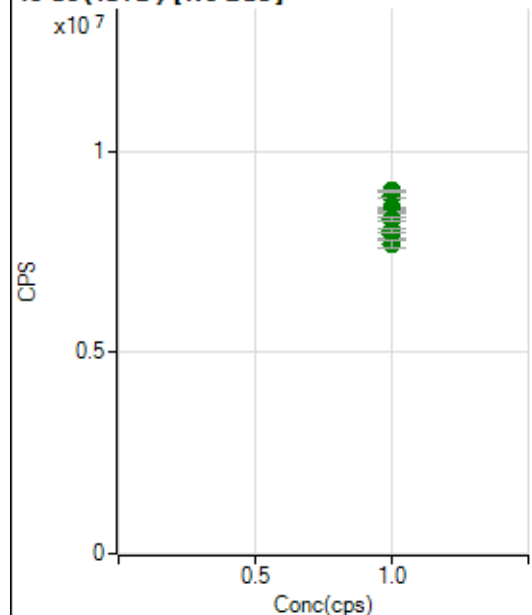
$$BEC = 0.001026$$

Weight: &lt;None&gt;

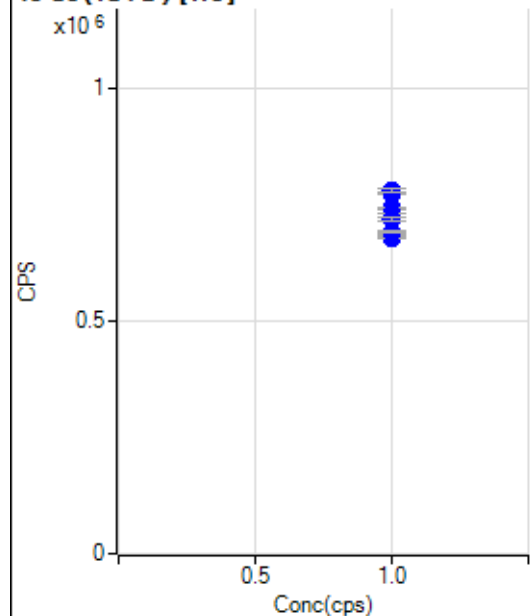
Min Conc: 0

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

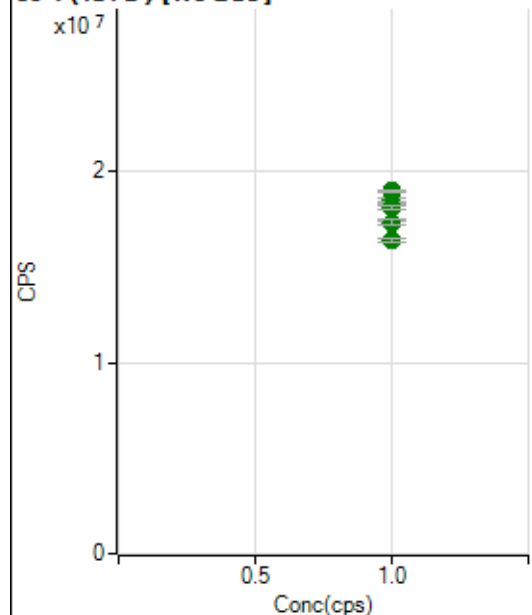
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3744489.35 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3765831.68 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3794080.88 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3828162.10 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3739614.56 |       | A        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3535502.06 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3490878.28 |       | A        | 0.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3322443.46 |       | A        | 3.0 |

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

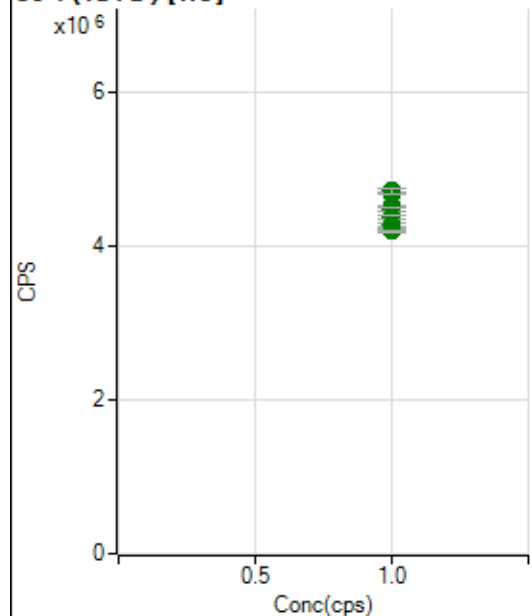
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8907858.90 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9013160.00 |       | A        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8579141.82 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8498365.01 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8310217.86 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7921352.73 |       | A        | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8022225.37 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7687304.82 |       | A        | 2.3 |

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

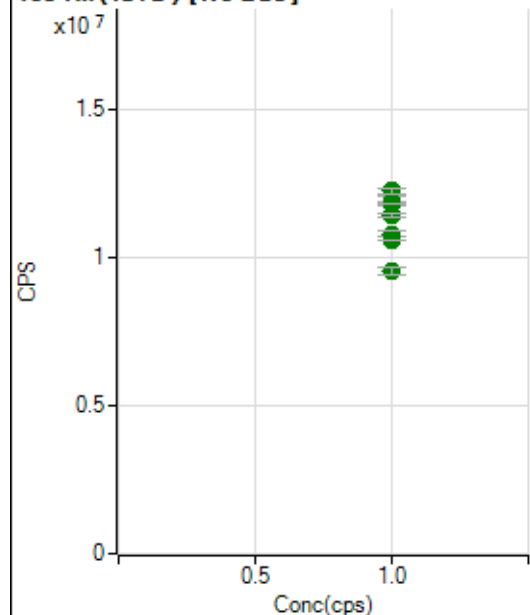
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 774767.44 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 779886.22 |       | P        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 742644.27 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 731981.49 |       | P        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 718051.00 |       | P        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 687236.50 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 679075.23 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 690895.99 |       | P        | 0.5 |

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

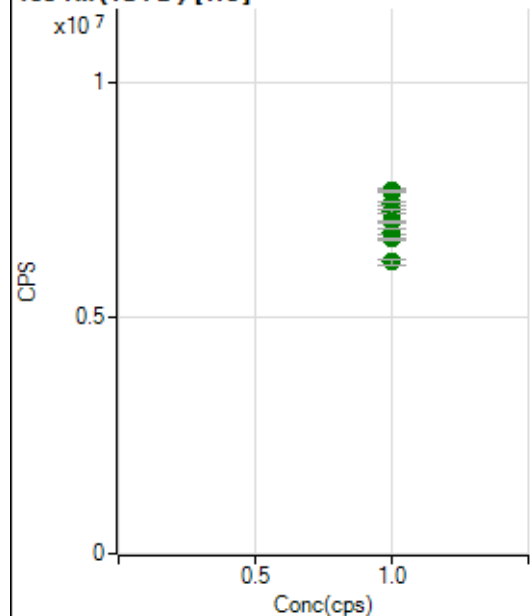
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 18497286.95 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 19000551.11 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 18376326.12 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 18131578.62 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 18149293.48 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 17281494.60 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 17370345.85 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 16431606.15 |       | A        | 1.5 |

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

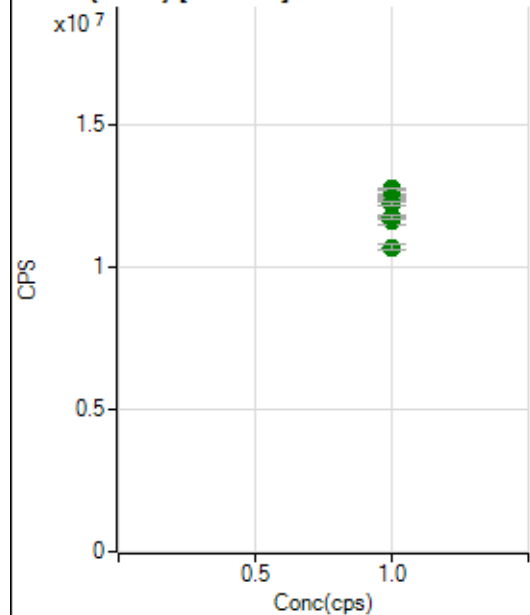
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4685879.41 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4715750.17 |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4527543.51 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4463634.24 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4374071.08 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4268760.18 |       | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4241552.12 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4188119.62 |       | A        | 0.3 |

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

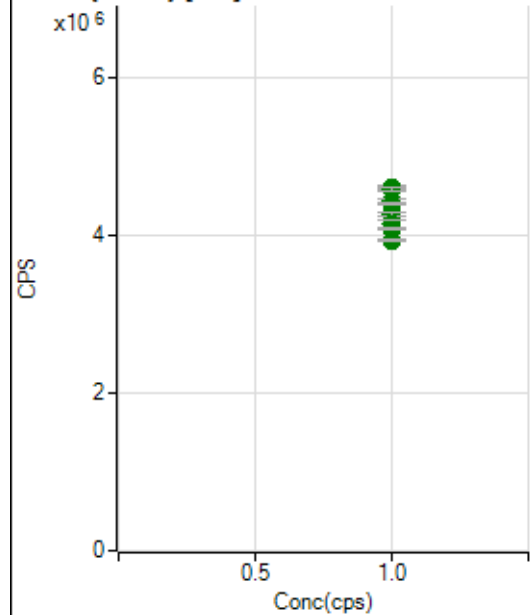
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12118723.15 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 12236011.49 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 11805661.91 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11793456.21 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11416028.17 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10786624.91 |       | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10575353.87 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9544222.63  |       | A        | 2.5 |

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

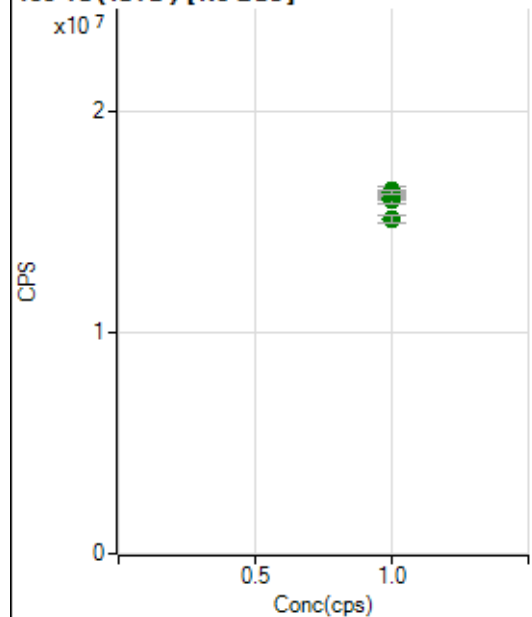
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7691493.98 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7681200.79 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7425488.36 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7250307.46 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7042440.10 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6819384.55 |       | A        | 2.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6670439.35 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6185109.49 |       | A        | 1.6 |

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

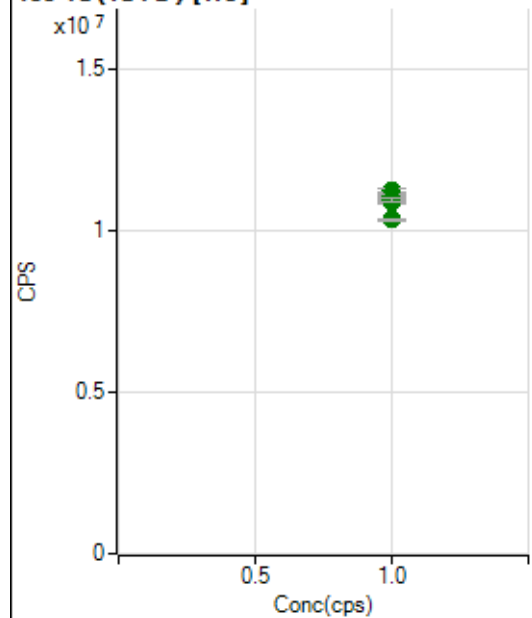
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12513125.79 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 12729351.54 |       | A        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 12420493.39 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12383553.39 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 12206096.19 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11616127.54 |       | A        | 2.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11724924.90 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10693426.86 |       | A        | 2.1 |

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

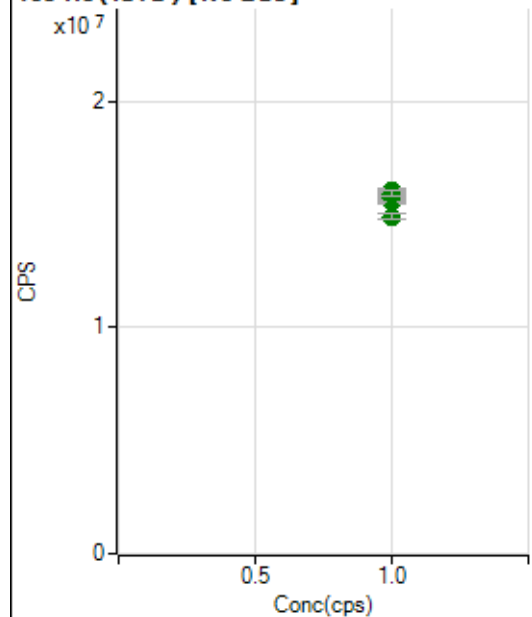
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4600504.07 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4593545.22 |       | A        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4434355.42 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4393166.96 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4269612.86 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4155247.70 |       | A        | 2.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4084163.85 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3934647.82 |       | A        | 0.9 |

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

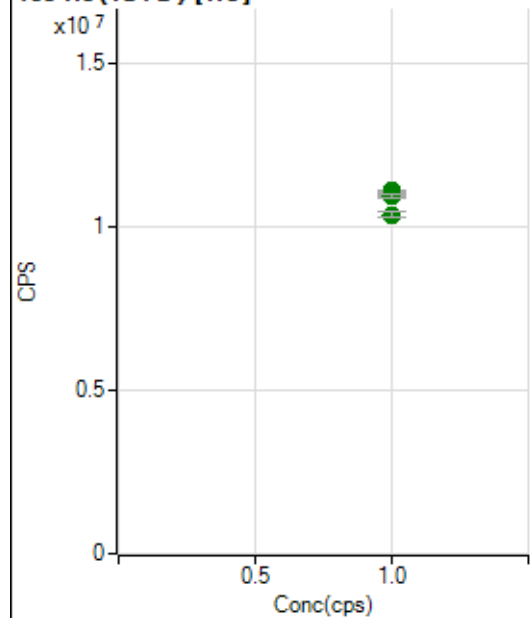
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 16135182.40 |       | A        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 16264342.95 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 16147524.76 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 16426582.25 |       | A        | 2.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 16282218.65 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 16004081.15 |       | A        | 2.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 16408387.67 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 15181861.44 |       | A        | 2.4 |

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

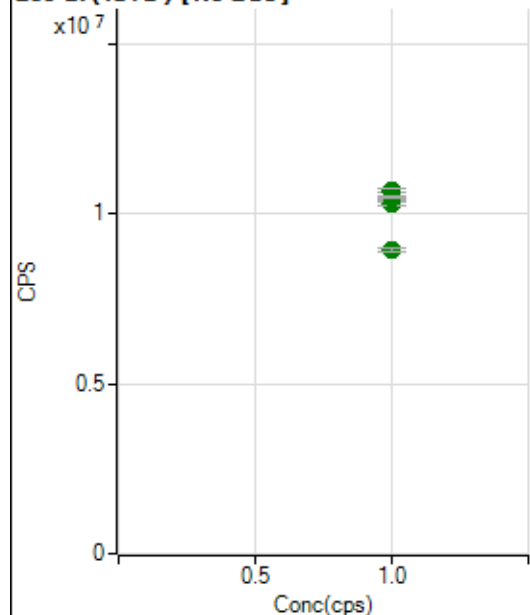
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11251685.46 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 11169917.68 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 11030198.17 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11018575.04 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11097851.36 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10889001.09 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10952692.82 |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10351741.10 |       | A        | 1.0 |

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

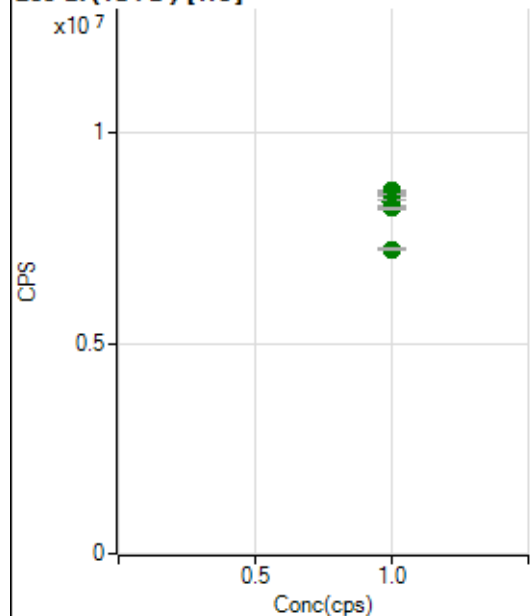
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 15574318.24 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 15708947.41 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 15809485.88 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 15934024.35 |       | A        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 16037072.54 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 15750314.07 |       | A        | 2.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 15928705.87 |       | A        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 14901152.97 |       | A        | 1.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11039688.17 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10990747.06 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10975916.09 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11090357.75 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11028243.93 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10962788.03 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10936665.39 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10374491.03 |       | A        | 1.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10396301.38 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10451071.65 |       | A        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10452709.01 |       | A        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10680232.69 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10640939.56 |       | A        | 1.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10309966.31 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10481401.72 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8936346.67  |       | A        | 1.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8625054.66 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8627586.82 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8547051.19 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8589362.03 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8555431.54 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8348400.71 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8221218.42 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7239814.89 |       | A        | 0.5 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7062322MS.b  
Acq. Date-Time 2022-06-23 12:02:54  
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    |              | 9735  | 97349.42  |                            |             | 0.558  | 5.000           |
| 24   |              | 83583 | 835834.40 |                            |             | 0.706  | 5.000           |
| 25   |              | 11224 | 112241.43 |                            |             | 0.726  | 5.000           |
| 26   |              | 12529 | 125289.43 |                            |             | 0.379  | 5.000           |
| 59   |              | 22519 | 225187.58 |                            |             | 0.223  | 5.000           |
| 113  |              | 10653 | 106527.08 |                            |             | 0.354  | 5.000           |
| 115  |              | 33770 | 337696.69 |                            |             | 1.084  | 5.000           |
| 206  |              | 15255 | 152554.23 |                            |             | 0.348  | 5.000           |
| 207  |              | 12955 | 129553.85 |                            |             | 0.633  | 5.000           |
| 208  |              | 31120 | 311203.86 |                            |             | 0.523  | 5.000           |
| 220  |              | 0     | 2.00      |                            |             | 39.529 |                 |

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

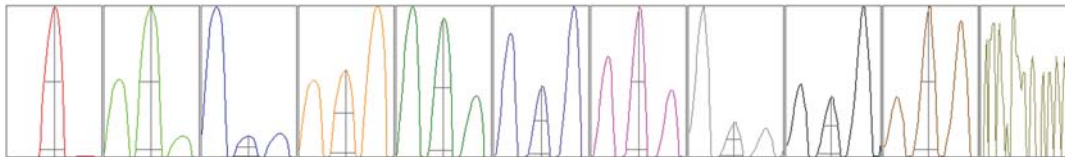
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 9812        | 9765        | 9690        | 9726        | 9681        |
| 24   | 84175       | 83773       | 83827       | 83532       | 82611       |
| 25   | 11283       | 11277       | 11136       | 11291       | 11134       |
| 26   | 12531       | 12566       | 12545       | 12555       | 12447       |
| 59   | 22497       | 22565       | 22550       | 22441       | 22540       |
| 113  | 10652       | 10707       | 10602       | 10662       | 10641       |
| 115  | 33865       | 34353       | 33688       | 33441       | 33501       |
| 206  | 15193       | 15331       | 15218       | 15264       | 15272       |
| 207  | 12880       | 13096       | 12934       | 12939       | 12928       |
| 208  | 31062       | 31348       | 30911       | 31086       | 31196       |

# 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    | 17943.98    | 9.05   | 8.90 - 9.10     |             |
| 24   | 142856.96   | 24.00  | 23.90 - 24.10   |             |
| 25   | 19511.12    | 25.00  | 24.90 - 25.10   |             |
| 26   | 22036.69    | 26.00  | 25.90 - 26.10   |             |
| 59   | 44186.65    | 59.00  | 58.90 - 59.10   |             |
| 113  | 25288.29    | 113.05 | 112.90 - 113.10 |             |
| 115  | 79679.47    | 115.05 | 114.90 - 115.10 |             |
| 206  | 33853.40    | 205.95 | 205.90 - 206.10 |             |
| 207  | 28661.98    | 206.95 | 206.90 - 207.10 |             |
| 208  | 70858.50    | 207.95 | 207.90 - 208.10 |             |
| 220  |             |        | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.57  | 0.774 | 0.900           |             |
| 24   | 0.61  | 0.825 | 0.900           |             |
| 25   | 0.60  | 0.773 | 0.900           |             |
| 26   | 0.61  | 0.783 | 0.900           |             |
| 59   | 0.52  | 0.754 | 0.900           |             |
| 113  | 0.42  | 0.672 | 0.900           |             |
| 115  | 0.43  | 0.675 | 0.900           |             |
| 206  | 0.46  | 0.735 | 0.900           |             |
| 207  | 0.46  | 0.735 | 0.900           |             |
| 208  | 0.44  | 0.760 | 0.900           |             |
| 220  |       |       |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

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

# US EPA Tune Check Report

|              |        |                |          |               |            |
|--------------|--------|----------------|----------|---------------|------------|
| RF Power     | 1600 W | Option Gas     | ---      | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 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    | 8.9 V | Deflect    | 14.4 V |
| Extract 2  | -150.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -75 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   | 0.9999 | QP Bias | -3.0 V |
| Mass Offset | 125 | Axis Offset | 0.02   |         |        |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -0.9 mm | Torch V | 1.0 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.1 mV | Analog HV | 2187 V | Pulse HV | 1459 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 7797  | 77969.32  |                            |             | 0.604 |                 |
| 89   |              | 68617 | 686169.22 |                            |             | 0.585 |                 |
| 205  |              | 47464 | 474638.41 |                            |             | 0.990 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 7818        | 7715        | 7801        | 7823        | 7828        |
| 89   | 68890       | 68047       | 69040       | 68724       | 68383       |
| 205  | 48022       | 47023       | 47465       | 47834       | 46974       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |        |                |            |               |            |
|--------------|--------|----------------|------------|---------------|------------|
| Plasma Mode  | ---    | Nebulizer Gas  | 0.73 L/min | Dilution Gas  | 0.40 L/min |
| RF Power     | 1600 W | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 V | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 9.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |       |            |       |         |       |
|-----------|-------|------------|-------|---------|-------|
| Extract 1 | 0.0 V | Omega Lens | 9.3 V | Deflect | 3.0 V |
|-----------|-------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -135.0 V | Cell Entrance | -40 V | Plate Bias | -60 V |
| Omega Bias | -65 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   | 0.9999 | QP Bias | -13.0 V |
| Mass Offset | 125 | Axis Offset | 0.02   |         |         |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -0.9 mm | Torch V | 1.0 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.1 mV | Analog HV | 2187 V | Pulse HV | 1459 V |
|---------------|--------|-----------|--------|----------|--------|