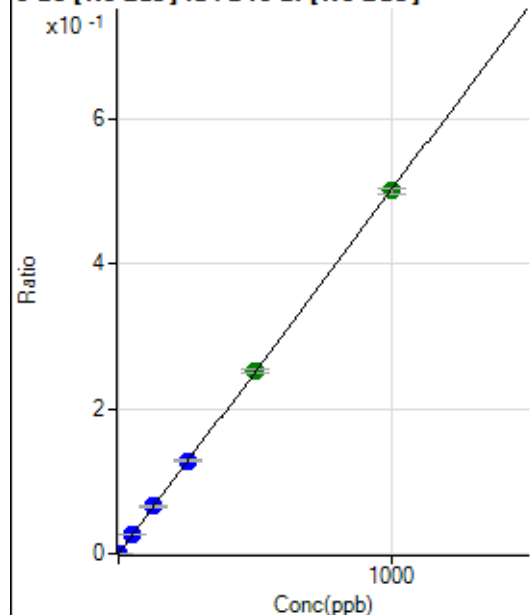


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8070721 MS.b\  
Analysis File: P8070721 MS.batch.bin  
DA Date-Time: 2021-07-07 18:20:16  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2021-07-07 11:04:08 |
| 2     | 004CALS.d          | S01         | 2021-07-07 11:07:14 |
| 3     | 005CALS.d          | S02         | 2021-07-07 11:10:18 |
| 4     | 006CALS.d          | S03         | 2021-07-07 11:13:23 |
| 5     | 007CALS.d          | S04         | 2021-07-07 11:16:27 |
| 6     | 008CALS.d          | S05         | 2021-07-07 11:19:32 |
| 7     | 009CALS.d          | S06         | 2021-07-07 11:22:35 |
| 8     | 010CALS.d          | S07         | 2021-07-07 11:25:41 |
| 9     | 011CALS.d          | S08         | 2021-07-07 11:28:44 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 29.99      | 0.0000 | P       | 40.4 |
| 2 | <input type="checkbox"/> | 0.100    | 0.107      | 339.27     | 0.0001 | P       | 5.1  |
| 3 | <input type="checkbox"/> | 1.000    | 1.084      | 3171.72    | 0.0005 | P       | 2.1  |
| 4 | <input type="checkbox"/> | 50.000   | 51.855     | 149084.85  | 0.0261 | P       | 1.3  |
| 5 | <input type="checkbox"/> | 125.000  | 130.491    | 375623.21  | 0.0656 | P       | 1.6  |
| 6 | <input type="checkbox"/> | 250.000  | 255.940    | 736369.06  | 0.1286 | P       | 1.5  |
| 7 | <input type="checkbox"/> | 500.000  | 501.805    | 1401665.30 | 0.2521 | A       | 2.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.833    | 2708244.62 | 0.5009 | A       | 1.9  |
| 9 | <input type="checkbox"/> |          |            | 369.93     | 0.0001 | P       | 12.3 |

$$y = 5.0246\text{E-}004 * x + 5.2745\text{E-}006$$

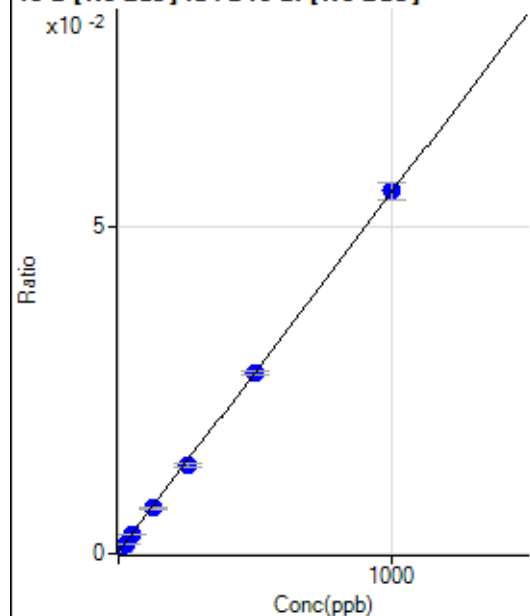
$$R = 1.0000$$

$$DL = 0.01272$$

$$BEC = 0.0105$$

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  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-----------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1812.43   | 0.0003 | P       | 4.0  |
| 2 | <input type="checkbox"/> | 2.500    | 2.020      | 2470.39   | 0.0004 | P       | 3.0  |
| 3 | <input type="checkbox"/> | 25.000   | 21.721     | 8714.90   | 0.0015 | P       | 5.8  |
| 4 | <input type="checkbox"/> | 50.000   | 47.056     | 16596.78  | 0.0029 | P       | 5.9  |
| 5 | <input type="checkbox"/> | 125.000  | 120.077    | 39565.36  | 0.0069 | P       | 6.8  |
| 6 | <input type="checkbox"/> | 250.000  | 241.207    | 77598.18  | 0.0136 | P       | 5.4  |
| 7 | <input type="checkbox"/> | 500.000  | 496.765    | 153404.20 | 0.0276 | P       | 2.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.661   | 299710.58 | 0.0554 | P       | 4.9  |
| 9 | <input type="checkbox"/> |          |            | 26550.83  | 0.0049 | P       | 11.0 |

$$y = 5.4868\text{E-}005 * x + 3.1919\text{E-}004$$

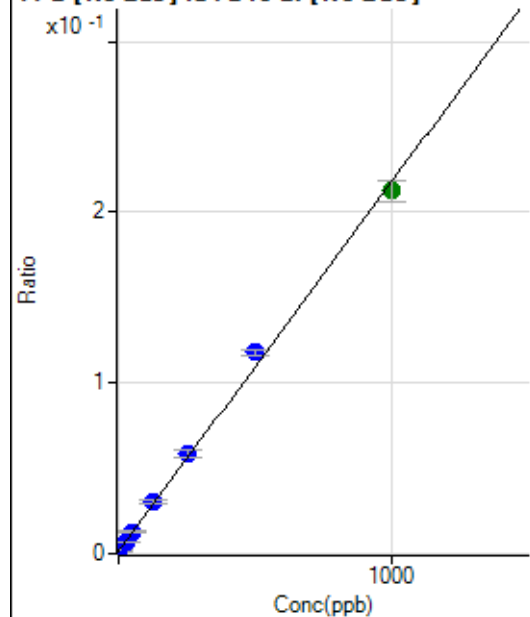
$$R = 1.0000$$

$$DL = 0.6973$$

$$BEC = 5.817$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 7970.61    | 0.0014 | P       | 2.0  |
| 2 | <input type="checkbox"/> | 2.500    | 2.252      | 10859.88   | 0.0019 | P       | 1.3  |
| 3 | <input type="checkbox"/> | 25.000   | 24.675     | 38860.86   | 0.0067 | P       | 5.0  |
| 4 | <input type="checkbox"/> | 50.000   | 52.268     | 72670.58   | 0.0127 | P       | 6.2  |
| 5 | <input type="checkbox"/> | 125.000  | 133.562    | 173430.20  | 0.0303 | P       | 6.7  |
| 6 | <input type="checkbox"/> | 250.000  | 264.573    | 335502.68  | 0.0586 | P       | 6.8  |
| 7 | <input type="checkbox"/> | 500.000  | 538.348    | 655262.16  | 0.1178 | P       | 2.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 976.008    | 1148139.98 | 0.2124 | A       | 5.9  |
| 9 | <input type="checkbox"/> |          |            | 114850.52  | 0.0212 | P       | 11.6 |

$$y = 2.1620\text{E-}004 * x + 0.0014$$

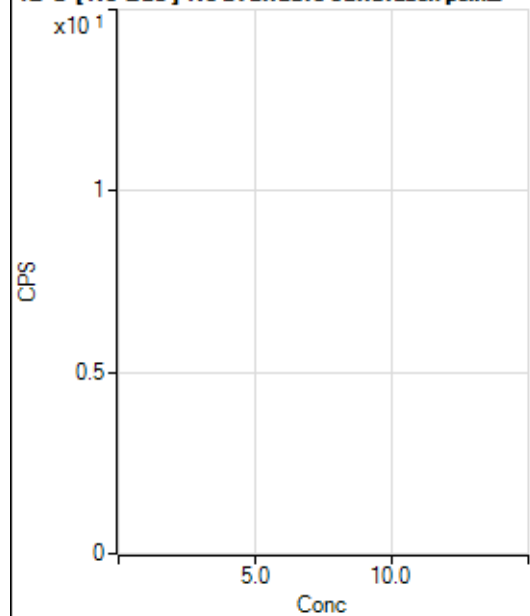
$$R = 0.9988$$

$$DL = 0.3865$$

$$BEC = 6.491$$

Weight: &lt;None&gt;

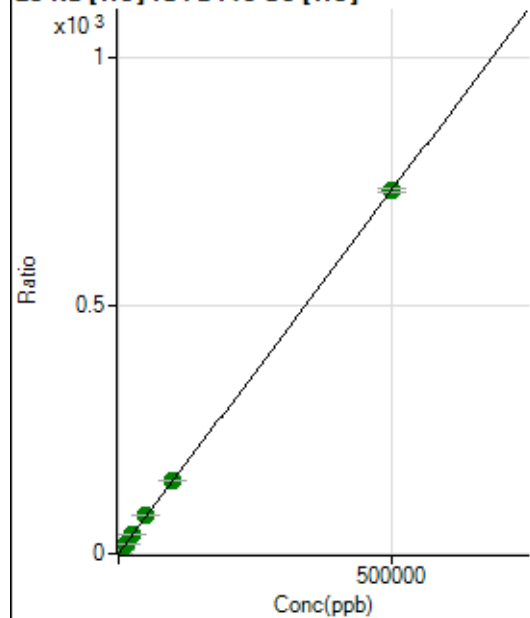
Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> |       |            | 5043038.57 |       | A       | 1.6 |
| 2 | <input type="checkbox"/> |       |            | 5223619.56 |       | A       | 1.8 |
| 3 | <input type="checkbox"/> |       |            | 5314259.75 |       | A       | 1.7 |
| 4 | <input type="checkbox"/> |       |            | 5267604.28 |       | A       | 0.6 |
| 5 | <input type="checkbox"/> |       |            | 5705377.65 |       | A       | 1.6 |
| 6 | <input type="checkbox"/> |       |            | 6226757.82 |       | A       | 3.9 |
| 7 | <input type="checkbox"/> |       |            | 7170681.15 |       | A       | 5.0 |
| 8 | <input type="checkbox"/> |       |            | 6903033.40 |       | A       | 3.0 |
| 9 | <input type="checkbox"/> |       |            | 6106221.32 |       | A       | 2.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|----------|-------|---------|-----|
| 1 | <input type="checkbox"/> |       |            | 54200.43 |       | P       | 2.4 |
| 2 | <input type="checkbox"/> |       |            | 58026.48 |       | P       | 1.2 |
| 3 | <input type="checkbox"/> |       |            | 58812.87 |       | P       | 1.2 |
| 4 | <input type="checkbox"/> |       |            | 57231.47 |       | P       | 1.4 |
| 5 | <input type="checkbox"/> |       |            | 63900.37 |       | P       | 1.3 |
| 6 | <input type="checkbox"/> |       |            | 73216.38 |       | P       | 0.7 |
| 7 | <input type="checkbox"/> |       |            | 90947.97 |       | P       | 2.6 |
| 8 | <input type="checkbox"/> |       |            | 82936.79 |       | P       | 0.2 |
| 9 | <input type="checkbox"/> |       |            | 77892.35 |       | P       | 0.7 |

**23 Na [He] ISTD:45 Sc [He]**

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | De<br>t | RSD |
|---|--------------------------|-----------|------------|-------------|----------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 91145.58    | 0.4030   | P       | 0.7 |
| 2 | <input type="checkbox"/> | 50.000    | 51.096     | 108006.61   | 0.4776   | P       | 0.6 |
| 3 | <input type="checkbox"/> | 500.000   | 516.458    | 263013.55   | 1.1574   | P       | 0.9 |
| 4 | <input type="checkbox"/> | 5000.000  | 5132.140   | 1784959.00  | 7.9001   | A       | 1.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 13150.135  | 4267569.11  | 19.6129  | A       | 8.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 25630.759  | 8179150.45  | 37.8449  | A       | 1.6 |
| 7 | <input type="checkbox"/> | 50000.000 | 51885.839  | 15905197.06 | 76.1988  | A       | 1.1 |
| 8 | <input type="checkbox"/> | 100000.00 | 100675.88  | 30795365.62 | 147.4722 | A       | 0.9 |
| 9 | <input type="checkbox"/> | 500000.00 | 499627.11  | 154879715.9 | 730.2675 | A       | 1.2 |

$$y = 0.0015 * x + 0.4030$$

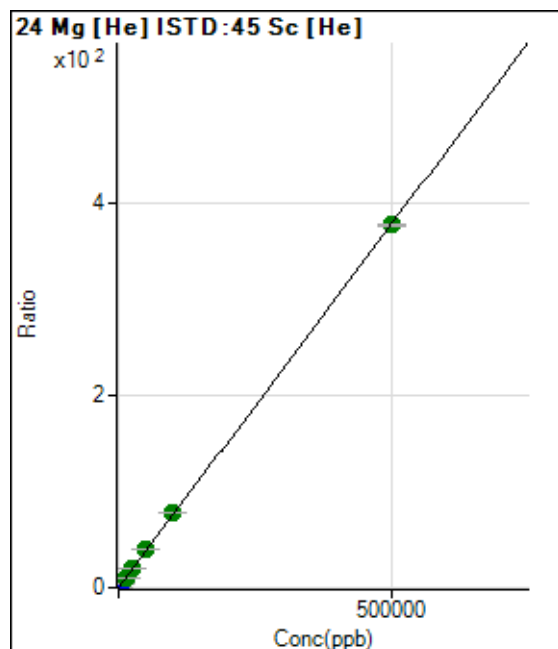
$$R = 1.0000$$

$$DL = 5.625$$

$$BEC = 275.9$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | De<br>t | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 169.45      | 0.0007   | P       | 41.3 |
| 2 | <input type="checkbox"/> | 50.000    | 52.145     | 9066.94     | 0.0401   | P       | 0.2  |
| 3 | <input type="checkbox"/> | 500.000   | 531.399    | 91279.97    | 0.4017   | P       | 1.6  |
| 4 | <input type="checkbox"/> | 5000.000  | 5350.290   | 912316.45   | 4.0378   | P       | 1.5  |
| 5 | <input type="checkbox"/> | 12500.000 | 13817.471  | 2269665.02  | 10.4268  | A       | 7.4  |
| 6 | <input type="checkbox"/> | 25000.000 | 26291.581  | 4287721.88  | 19.8391  | A       | 1.5  |
| 7 | <input type="checkbox"/> | 50000.000 | 53403.372  | 8410214.08  | 40.2964  | A       | 2.3  |
| 8 | <input type="checkbox"/> | 100000.00 | 103226.08  | 16265475.19 | 77.8902  | A       | 0.8  |
| 9 | <input type="checkbox"/> | 500000.00 | 498913.39  | 79844555.95 | 376.4570 | A       | 0.5  |

$$y = 7.5455E-004 * x + 7.4848E-004$$

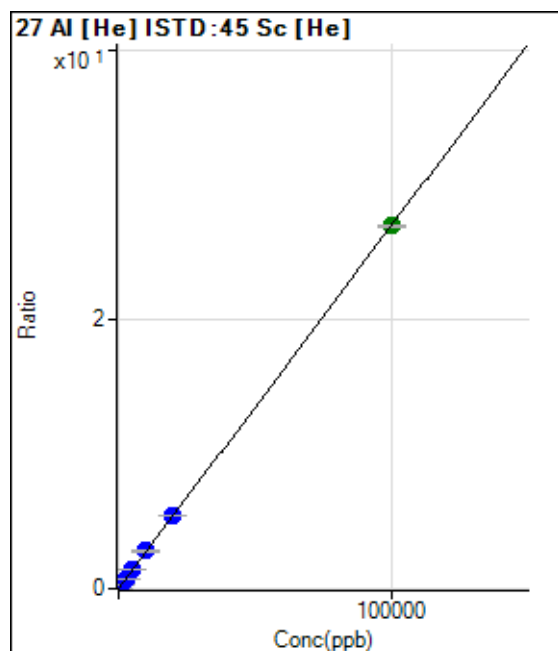
$$R = 1.0000$$

$$DL = 1.229$$

$$BEC = 0.992$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio   | De<br>t | RSD |
|---|--------------------------|-----------|------------|------------|---------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 135.81     | 0.0006  | P       | 0.4 |
| 2 | <input type="checkbox"/> | 2.000     | 1.943      | 254.55     | 0.0011  | P       | 3.9 |
| 3 | <input type="checkbox"/> | 20.000    | 21.600     | 1463.23    | 0.0064  | P       | 1.6 |
| 4 | <input type="checkbox"/> | 1000.000  | 1014.409   | 62080.07   | 0.2748  | P       | 1.6 |
| 5 | <input type="checkbox"/> | 2500.000  | 2667.377   | 157080.96  | 0.7215  | P       | 7.0 |
| 6 | <input type="checkbox"/> | 5000.000  | 5180.933   | 302769.04  | 1.4008  | P       | 0.8 |
| 7 | <input type="checkbox"/> | 10000.000 | 10339.408  | 583369.72  | 2.7950  | P       | 1.7 |
| 8 | <input type="checkbox"/> | 20000.000 | 20333.144  | 1147678.46 | 5.4959  | P       | 0.4 |
| 9 | <input type="checkbox"/> | 100000.00 | 99886.055  | 5725693.31 | 26.9962 | A       | 0.6 |

$$y = 2.7026E-004 * x + 6.0045E-004$$

$$R = 1.0000$$

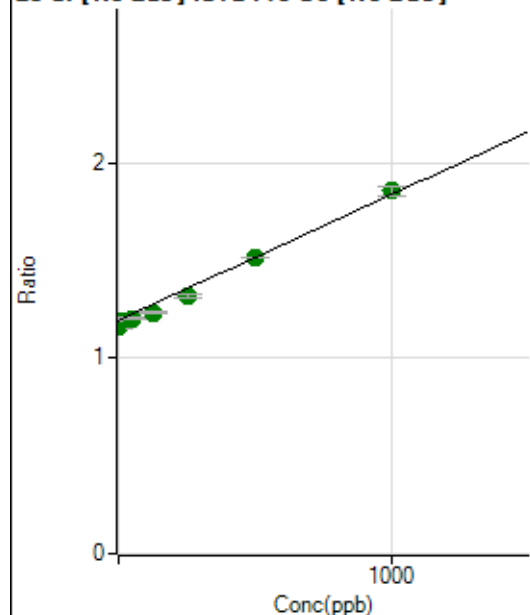
$$DL = 0.02468$$

$$BEC = 2.222$$

Weight: <None>

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 9014348.38  | 1.1952 | A       | 0.7 |
| 2 | <input type="checkbox"/> | 1.000    | -60.601    | 8961242.82  | 1.1562 | A       | 1.1 |
| 3 | <input type="checkbox"/> | 10.000   | -0.794     | 9111395.69  | 1.1947 | A       | 1.3 |
| 4 | <input type="checkbox"/> | 50.000   | 13.983     | 9277766.01  | 1.2042 | A       | 1.4 |
| 5 | <input type="checkbox"/> | 125.000  | 58.298     | 9456705.07  | 1.2327 | A       | 1.1 |
| 6 | <input type="checkbox"/> | 250.000  | 192.217    | 9929782.25  | 1.3189 | A       | 0.8 |
| 7 | <input type="checkbox"/> | 500.000  | 495.035    | 10891098.42 | 1.5138 | A       | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 1027.237   | 13073510.45 | 1.8562 | A       | 2.6 |
| 9 | <input type="checkbox"/> |          |            | 9095348.29  | 1.2543 | A       | 0.7 |

$$y = 6.4348\text{E-}004 * x + 1.1952$$

$$R = 0.9973$$

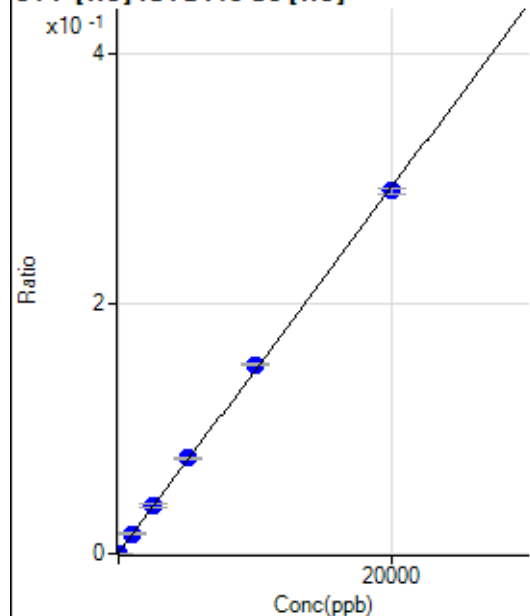
$$DL = 39.96$$

$$BEC = 1857$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS      | Ratio  | De<br>t | RSD  |
|---|--------------------------|-----------|------------|----------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | -3.857     | 94.45    | 0.0004 | P       | 27.3 |
| 2 | <input type="checkbox"/> | 0.000     | -0.480     | 105.56   | 0.0005 | P       | 26.0 |
| 3 | <input type="checkbox"/> | 0.000     | 4.336      | 122.23   | 0.0005 | P       | 10.4 |
| 4 | <input type="checkbox"/> | 1000.000  | 1062.157   | 3617.22  | 0.0160 | P       | 5.1  |
| 5 | <input type="checkbox"/> | 2500.000  | 2573.731   | 8297.03  | 0.0381 | P       | 9.6  |
| 6 | <input type="checkbox"/> | 5000.000  | 5192.173   | 16520.88 | 0.0764 | P       | 0.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 10280.744  | 31490.34 | 0.1509 | P       | 1.2  |
| 8 | <input type="checkbox"/> | 20000.000 | 19799.260  | 60576.82 | 0.2901 | P       | 1.8  |
| 9 | <input type="checkbox"/> |           |            | 119.45   | 0.0006 | P       | 32.3 |

$$y = 1.4628\text{E-}005 * x + 4.7439\text{E-}004$$

$$R = 0.9998$$

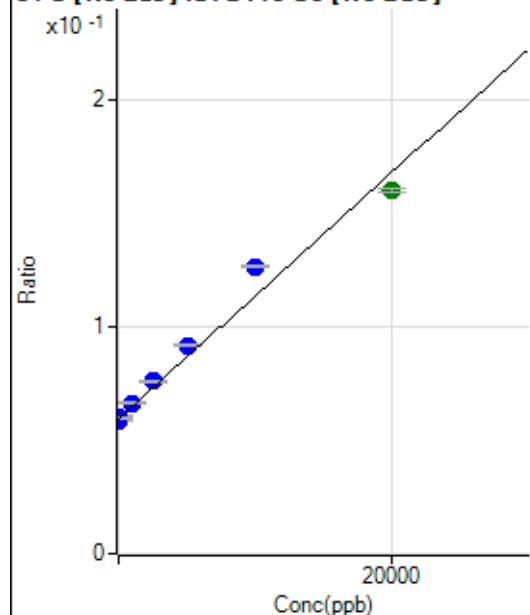
$$DL = 19.93$$

$$BEC = 32.43$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | De<br>t | RSD |
|---|--------------------------|-----------|------------|------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 197.325    | 455790.74  | 0.0604 | P       | 0.7 |
| 2 | <input type="checkbox"/> | 0.000     | -184.207   | 452366.72  | 0.0584 | P       | 1.4 |
| 3 | <input type="checkbox"/> | 0.000     | -13.118    | 452201.84  | 0.0593 | P       | 1.4 |
| 4 | <input type="checkbox"/> | 1000.000  | 1239.372   | 509098.60  | 0.0661 | P       | 1.5 |
| 5 | <input type="checkbox"/> | 2500.000  | 3044.096   | 581925.85  | 0.0759 | P       | 1.0 |
| 6 | <input type="checkbox"/> | 5000.000  | 5960.965   | 690092.49  | 0.0917 | P       | 0.8 |
| 7 | <input type="checkbox"/> | 10000.000 | 12364.911  | 909083.38  | 0.1264 | P       | 0.5 |
| 8 | <input type="checkbox"/> | 20000.000 | 18497.323  | 1124184.08 | 0.1596 | A       | 1.1 |
| 9 | <input type="checkbox"/> |           |            | 386313.98  | 0.0533 | P       | 1.4 |

$$y = 5.4177\text{E-}006 * x + 0.0594$$

$$R = 0.9880$$

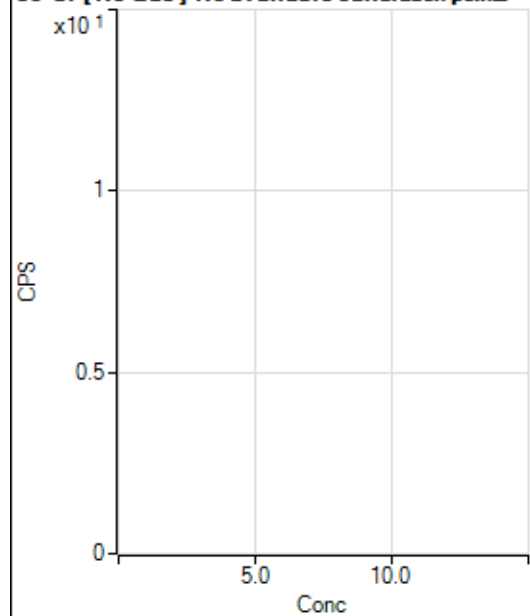
$$DL = 383.8$$

$$BEC = 1.096\text{E}+04$$

Weight: &lt;None&gt;

Min Conc: 0

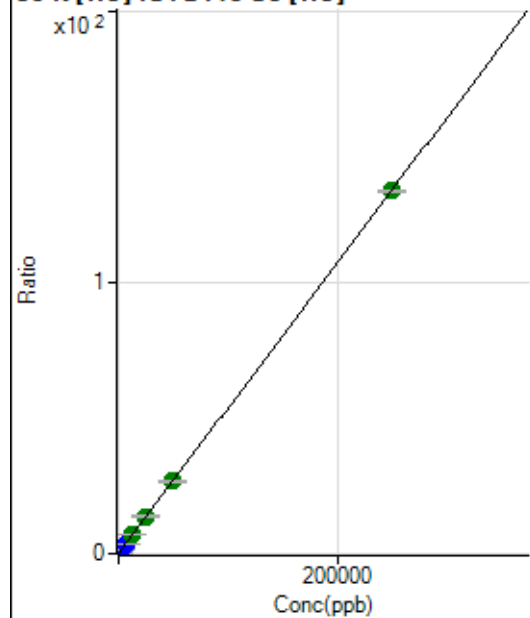
35 Cl [No Gas] No available calibration points



|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> |       |            | 1018144.32 |       | P       | 0.9 |
| 2 | <input type="checkbox"/> |       |            | 1034268.96 |       | P       | 0.5 |
| 3 | <input type="checkbox"/> |       |            | 1034425.89 |       | P       | 0.4 |
| 4 | <input type="checkbox"/> |       |            | 1039931.08 |       | P       | 0.3 |
| 5 | <input type="checkbox"/> |       |            | 1019140.30 |       | P       | 0.4 |
| 6 | <input type="checkbox"/> |       |            | 1000367.39 |       | P       | 1.2 |
| 7 | <input type="checkbox"/> |       |            | 968653.52  |       | P       | 0.4 |
| 8 | <input type="checkbox"/> |       |            | 954394.75  |       | P       | 0.2 |
| 9 | <input type="checkbox"/> |       |            | 1018765.14 |       | P       | 0.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|---------|-------|---------|-----|
| 1 | <input type="checkbox"/> |       |            | 6954.64 |       | P       | 0.2 |
| 2 | <input type="checkbox"/> |       |            | 7268.66 |       | P       | 3.2 |
| 3 | <input type="checkbox"/> |       |            | 7149.18 |       | P       | 0.2 |
| 4 | <input type="checkbox"/> |       |            | 7221.43 |       | P       | 2.0 |
| 5 | <input type="checkbox"/> |       |            | 7274.25 |       | P       | 2.2 |
| 6 | <input type="checkbox"/> |       |            | 7043.54 |       | P       | 1.6 |
| 7 | <input type="checkbox"/> |       |            | 6312.66 |       | P       | 4.1 |
| 8 | <input type="checkbox"/> |       |            | 6587.80 |       | P       | 1.0 |
| 9 | <input type="checkbox"/> |       |            | 7037.97 |       | P       | 1.7 |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | De<br>t | RSD |
|---|--------------------------|-----------|------------|-------------|----------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 25578.80    | 0.1131   | P       | 1.2 |
| 2 | <input type="checkbox"/> | 50.000    | 57.458     | 32531.77    | 0.1438   | P       | 2.4 |
| 3 | <input type="checkbox"/> | 500.000   | 531.634    | 90382.64    | 0.3977   | P       | 0.7 |
| 4 | <input type="checkbox"/> | 2500.000  | 2602.121   | 340288.11   | 1.5061   | P       | 1.9 |
| 5 | <input type="checkbox"/> | 6250.000  | 6759.236   | 812020.26   | 3.7316   | P       | 8.0 |
| 6 | <input type="checkbox"/> | 12500.000 | 12850.463  | 1511300.80  | 6.9925   | A       | 1.3 |
| 7 | <input type="checkbox"/> | 25000.000 | 25599.864  | 2883996.72  | 13.8178  | A       | 1.9 |
| 8 | <input type="checkbox"/> | 50000.000 | 49723.282  | 5582149.26  | 26.7320  | A       | 0.9 |
| 9 | <input type="checkbox"/> | 250000.00 | 249964.01  | 28405367.65 | 133.9292 | A       | 0.6 |

$$y = 5.3534E-004 * x + 0.1131$$

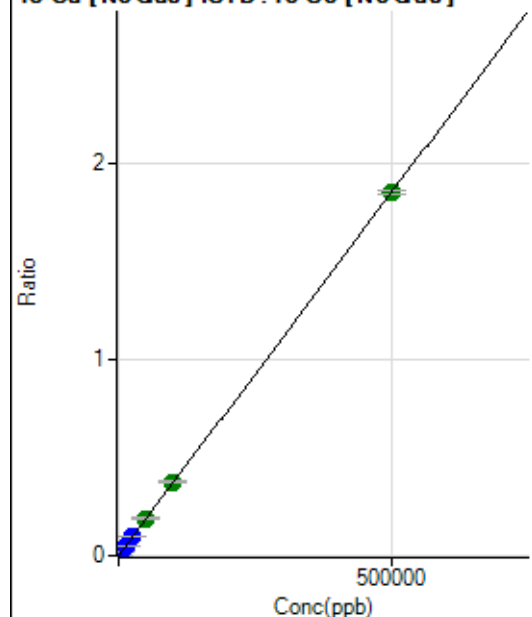
$$R = 1.0000$$

$$DL = 7.485$$

$$BEC = 211.2$$

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  | De<br>t | RSD |
|---|--------------------------|-----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 292.49      | 0.0000 | P       | 7.2 |
| 2 | <input type="checkbox"/> | 50.000    | 65.437     | 2175.30     | 0.0003 | P       | 2.9 |
| 3 | <input type="checkbox"/> | 500.000   | 525.334    | 15105.23    | 0.0020 | P       | 1.8 |
| 4 | <input type="checkbox"/> | 5000.000  | 4981.856   | 142153.11   | 0.0185 | P       | 2.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 12714.288  | 360820.57   | 0.0470 | P       | 1.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 25194.969  | 701445.66   | 0.0932 | P       | 0.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 51372.840  | 1366480.22  | 0.1899 | A       | 1.0 |
| 8 | <input type="checkbox"/> | 100000.00 | 101700.34  | 2648152.55  | 0.3760 | A       | 2.1 |
| 9 | <input type="checkbox"/> | 500000.00 | 499507.69  | 13387546.20 | 1.8464 | A       | 1.2 |

$$y = 3.6963\text{E-}006 * x + 3.8797\text{E-}005$$

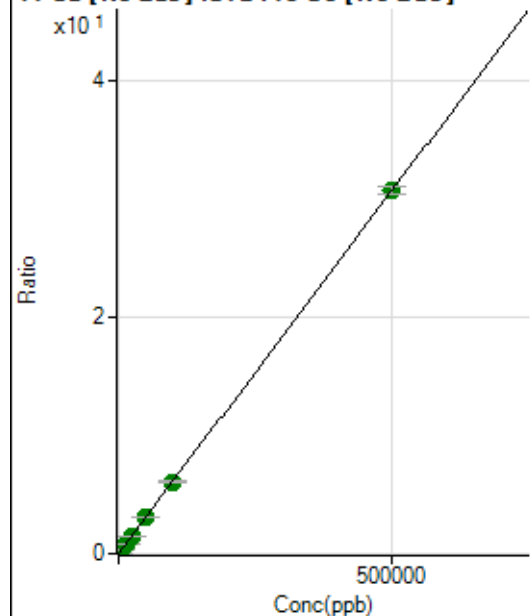
$$R = 1.0000$$

$$DL = 2.258$$

$$BEC = 10.5$$

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   | De<br>t | RSD |
|---|--------------------------|-----------|------------|-------------|---------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 31781.52    | 0.0042  | P       | 1.0 |
| 2 | <input type="checkbox"/> | 50.000    | 62.135     | 62133.08    | 0.0080  | P       | 0.8 |
| 3 | <input type="checkbox"/> | 500.000   | 516.874    | 273379.11   | 0.0358  | P       | 1.2 |
| 4 | <input type="checkbox"/> | 5000.000  | 4949.544   | 2366340.58  | 0.3071  | A       | 1.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 12421.027  | 5863545.20  | 0.7643  | A       | 1.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 24676.868  | 11401397.95 | 1.5144  | A       | 0.5 |
| 7 | <input type="checkbox"/> | 50000.000 | 49376.791  | 21770085.71 | 3.0259  | A       | 1.1 |
| 8 | <input type="checkbox"/> | 100000.00 | 98204.339  | 42358185.63 | 6.0140  | A       | 2.8 |
| 9 | <input type="checkbox"/> | 500000.00 | 500440.07  | 222066076.8 | 30.6296 | A       | 2.0 |

$$y = 6.1197\text{E-}005 * x + 0.0042$$

$$R = 1.0000$$

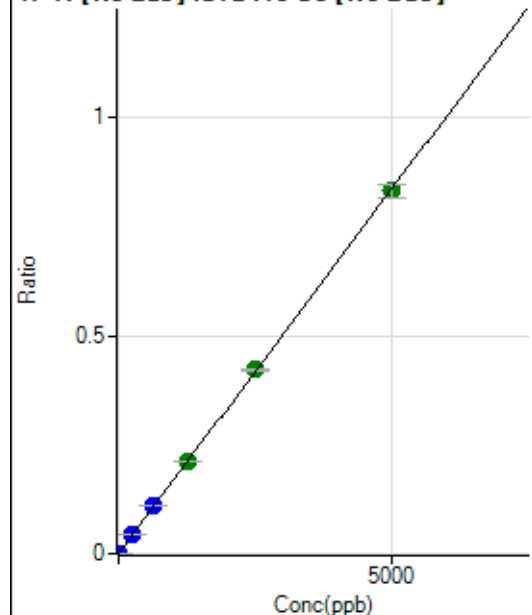
$$DL = 1.964$$

$$BEC = 68.86$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 205.56     | 0.0000 | P       | 13.7 |
| 2 | <input type="checkbox"/> | 0.500    | 0.540      | 911.17     | 0.0001 | P       | 5.1  |
| 3 | <input type="checkbox"/> | 5.000    | 5.468      | 7179.76    | 0.0009 | P       | 4.4  |
| 4 | <input type="checkbox"/> | 250.000  | 257.287    | 331726.16  | 0.0431 | P       | 1.5  |
| 5 | <input type="checkbox"/> | 625.000  | 650.596    | 834953.27  | 0.1088 | P       | 0.1  |
| 6 | <input type="checkbox"/> | 1250.000 | 1269.908   | 1599204.33 | 0.2124 | A       | 1.0  |
| 7 | <input type="checkbox"/> | 2500.000 | 2526.390   | 3040073.27 | 0.4225 | A       | 0.9  |
| 8 | <input type="checkbox"/> | 5000.000 | 4978.264   | 5863324.22 | 0.8326 | A       | 3.7  |
| 9 | <input type="checkbox"/> |          |            | 1430.67    | 0.0002 | P       | 5.8  |

$$y = 1.6724\text{E-}004 * x + 2.7239\text{E-}005$$

$$R = 1.0000$$

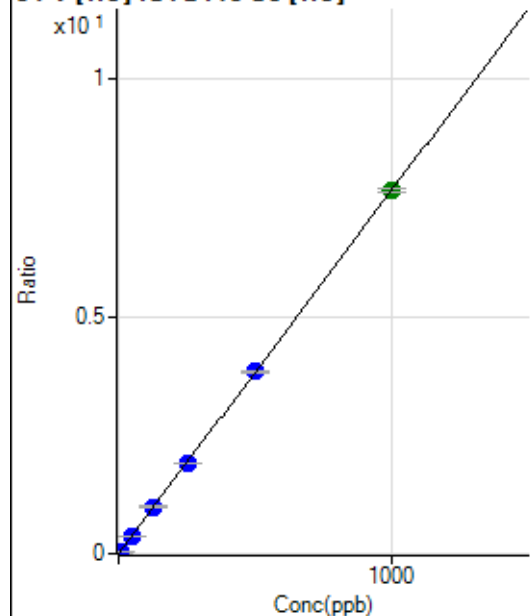
$$DL = 0.06671$$

$$BEC = 0.1629$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 11.11      | 0.0000 | P       | 35.2 |
| 2 | <input type="checkbox"/> | 0.500    | 0.487      | 854.48     | 0.0038 | P       | 6.7  |
| 3 | <input type="checkbox"/> | 5.000    | 5.233      | 9112.98    | 0.0401 | P       | 2.0  |
| 4 | <input type="checkbox"/> | 50.000   | 49.584     | 85759.29   | 0.3796 | P       | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 128.801    | 214671.46  | 0.9859 | P       | 6.7  |
| 6 | <input type="checkbox"/> | 250.000  | 250.247    | 413997.10  | 1.9154 | P       | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 500.941    | 800281.22  | 3.8342 | P       | 1.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.013    | 1596736.05 | 7.6463 | A       | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 388.90     | 0.0018 | P       | 5.1  |

$$y = 0.0077 * x + 4.9211\text{E-}005$$

$$R = 1.0000$$

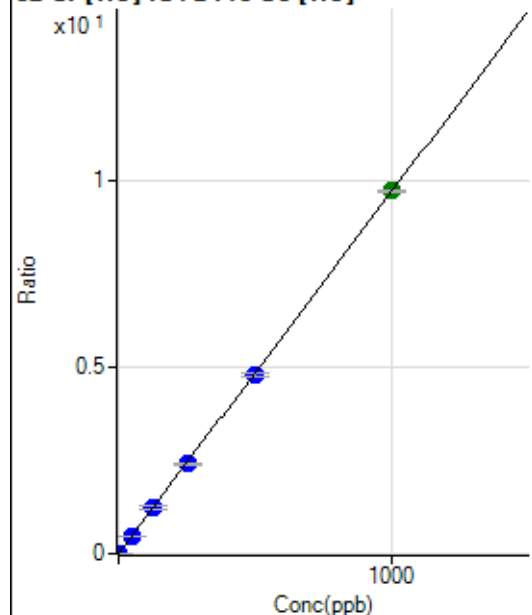
$$DL = 0.006785$$

$$BEC = 0.00643$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>                     | Conc.    | Calc Conc. | CPS        | Ratio  | De <sub>t</sub> | RSD |
|---|-------------------------------------|----------|------------|------------|--------|-----------------|-----|
| 1 | <input type="checkbox"/>            | 0.000    | 0.000      | 794.47     | 0.0035 | P               | 5.1 |
| 2 | <input checked="" type="checkbox"/> | 0.200    |            |            |        |                 |     |
| 3 | <input type="checkbox"/>            | 2.000    | 2.038      | 5282.14    | 0.0232 | P               | 2.3 |
| 4 | <input type="checkbox"/>            | 50.000   | 49.151     | 108309.41  | 0.4794 | P               | 1.9 |
| 5 | <input type="checkbox"/>            | 125.000  | 127.601    | 269680.48  | 1.2389 | P               | 7.4 |
| 6 | <input type="checkbox"/>            | 250.000  | 247.872    | 519467.95  | 2.4034 | P               | 0.9 |
| 7 | <input type="checkbox"/>            | 500.000  | 495.132    | 1001287.87 | 4.7973 | P               | 1.9 |
| 8 | <input type="checkbox"/>            | 1000.000 | 1002.683   | 2028029.81 | 9.7114 | A               | 0.3 |
| 9 | <input type="checkbox"/>            |          |            | 7834.43    | 0.0369 | P               | 1.3 |

$$y = 0.0097 * x + 0.0035$$

$$R = 1.0000$$

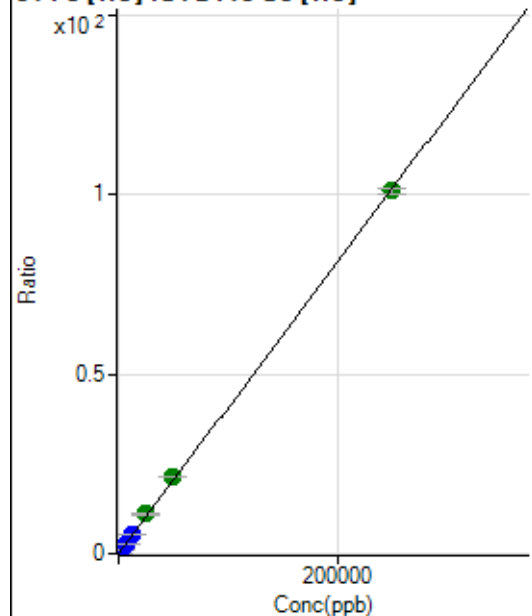
$$DL = 0.05532$$

$$BEC = 0.3627$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | De <sub>t</sub> | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|-----------------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 394.46      | 0.0017   | P               | 11.5 |
| 2 | <input type="checkbox"/> | 5.000     | 8.772      | 1198.22     | 0.0053   | P               | 4.6  |
| 3 | <input type="checkbox"/> | 50.000    | 58.773     | 5806.83     | 0.0255   | P               | 2.0  |
| 4 | <input type="checkbox"/> | 2500.000  | 2667.561   | 244493.25   | 1.0821   | P               | 1.4  |
| 5 | <input type="checkbox"/> | 6250.000  | 6924.710   | 611026.68   | 2.8063   | P               | 6.8  |
| 6 | <input type="checkbox"/> | 12500.000 | 13419.974  | 1175079.48  | 5.4370   | P               | 1.6  |
| 7 | <input type="checkbox"/> | 25000.000 | 27353.472  | 2312647.22  | 11.0802  | A               | 2.1  |
| 8 | <input type="checkbox"/> | 50000.000 | 52727.801  | 4460026.37  | 21.3570  | A               | 0.4  |
| 9 | <input type="checkbox"/> | 250000.00 | 249154.54  | 21401432.42 | 100.9118 | A               | 1.7  |

$$y = 4.0501E-004 * x + 0.0017$$

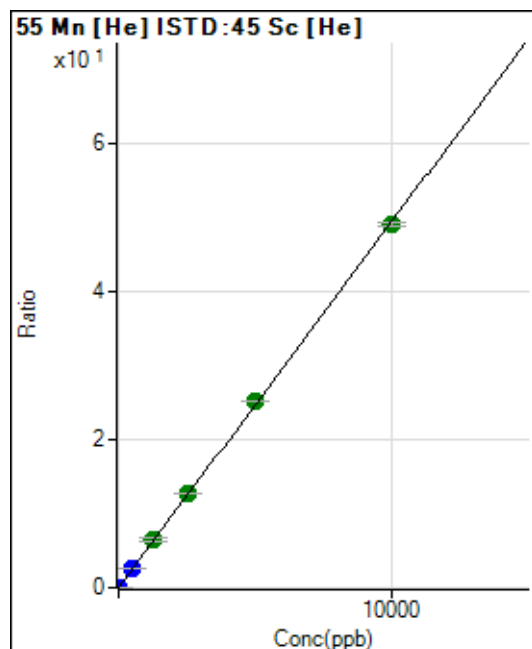
$$R = 0.9999$$

$$DL = 1.485$$

$$BEC = 4.309$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct                | Conc.     | Calc Conc. | CPS         | Ratio   | De<br>t | RSD  |
|---|-------------------------------------|-----------|------------|-------------|---------|---------|------|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 42.22       | 0.0002  | P       | 20.8 |
| 2 | <input checked="" type="checkbox"/> | 0.100     |            |             |         |         |      |
| 3 | <input type="checkbox"/>            | 1.000     | 1.110      | 1291.18     | 0.0057  | P       | 3.6  |
| 4 | <input type="checkbox"/>            | 500.000   | 505.326    | 564960.02   | 2.5004  | P       | 1.6  |
| 5 | <input type="checkbox"/>            | 1250.000  | 1335.942   | 1438501.59  | 6.6100  | A       | 7.9  |
| 6 | <input type="checkbox"/>            | 2500.000  | 2573.965   | 2752407.15  | 12.7354 | A       | 1.7  |
| 7 | <input type="checkbox"/>            | 5000.000  | 5102.249   | 5269533.91  | 25.2447 | A       | 0.8  |
| 8 | <input type="checkbox"/>            | 10000.000 | 9919.375   | 10249097.42 | 49.0784 | A       | 1.1  |
| 9 | <input type="checkbox"/>            |           |            | 7562.06     | 0.0357  | P       | 1.9  |

$$y = 0.0049 * x + 1.8692E-004$$

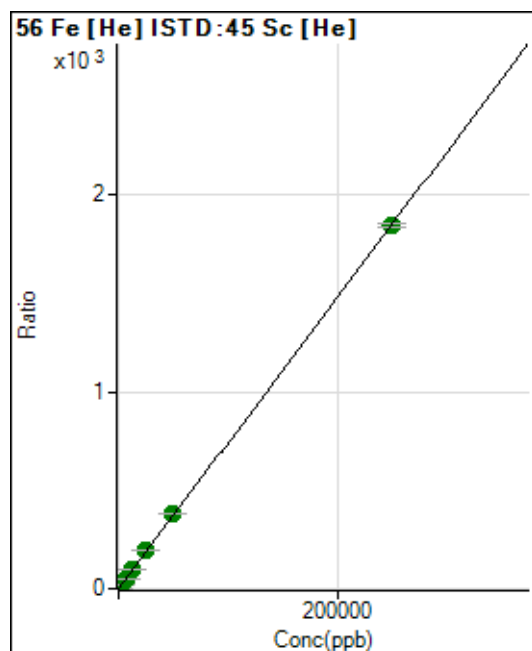
$$R = 0.9999$$

$$DL = 0.02361$$

$$BEC = 0.03778$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio     | De<br>t | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 2652.15     | 0.0117    | P       | 6.1 |
| 2 | <input type="checkbox"/> | 5.000     | 8.036      | 16066.64    | 0.0710    | P       | 2.5 |
| 3 | <input type="checkbox"/> | 50.000    | 55.392     | 95573.35    | 0.4206    | P       | 0.7 |
| 4 | <input type="checkbox"/> | 2500.000  | 2661.468   | 4441155.51  | 19.6560   | A       | 1.3 |
| 5 | <input type="checkbox"/> | 6250.000  | 6889.502   | 11072585.32 | 50.8632   | A       | 7.2 |
| 6 | <input type="checkbox"/> | 12500.000 | 13179.448  | 21028997.46 | 97.2893   | A       | 1.4 |
| 7 | <input type="checkbox"/> | 25000.000 | 26538.510  | 40888761.56 | 195.8926  | A       | 1.3 |
| 8 | <input type="checkbox"/> | 50000.000 | 51365.523  | 79174818.44 | 379.1408  | A       | 0.6 |
| 9 | <input type="checkbox"/> | 250000.00 | 249521.46  | 390610056.8 | 1,841.730 | A       | 1.1 |

$$y = 0.0074 * x + 0.0117$$

$$R = 1.0000$$

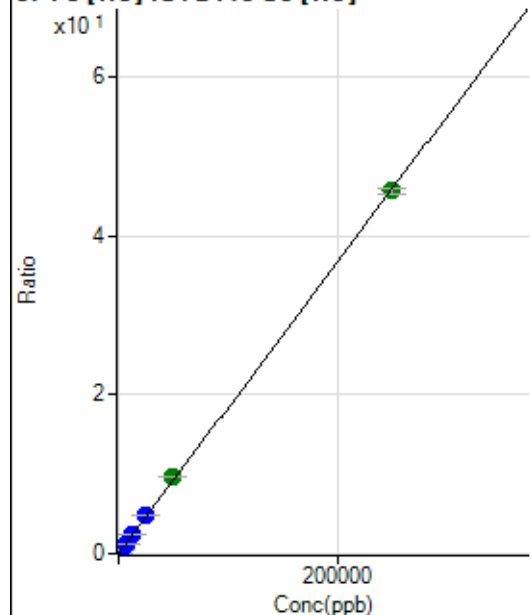
$$DL = 0.2923$$

$$BEC = 1.589$$

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   | De<br>t | RSD  |
|---|-------------------------------------|-----------|------------|------------|---------|---------|------|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 74.07      | 0.0003  | P       | 19.9 |
| 2 | <input checked="" type="checkbox"/> | 5.000     |            |            |         |         |      |
| 3 | <input type="checkbox"/>            | 50.000    | 56.158     | 2413.21    | 0.0106  | P       | 6.4  |
| 4 | <input type="checkbox"/>            | 2500.000  | 2625.487   | 108795.18  | 0.4815  | P       | 1.6  |
| 5 | <input type="checkbox"/>            | 6250.000  | 6841.132   | 273056.20  | 1.2542  | P       | 7.1  |
| 6 | <input type="checkbox"/>            | 12500.000 | 13269.699  | 525706.59  | 2.4324  | P       | 1.5  |
| 7 | <input type="checkbox"/>            | 25000.000 | 26403.183  | 1010096.85 | 4.8396  | P       | 2.0  |
| 8 | <input type="checkbox"/>            | 50000.000 | 52605.778  | 2013449.65 | 9.6420  | A       | 0.8  |
| 9 | <input type="checkbox"/>            | 250000.00 | 249284.00  | 9689918.62 | 45.6897 | A       | 1.6  |

$$y = 1.8328\text{E-}004 * x + 3.2795\text{E-}004$$

$$R = 0.9999$$

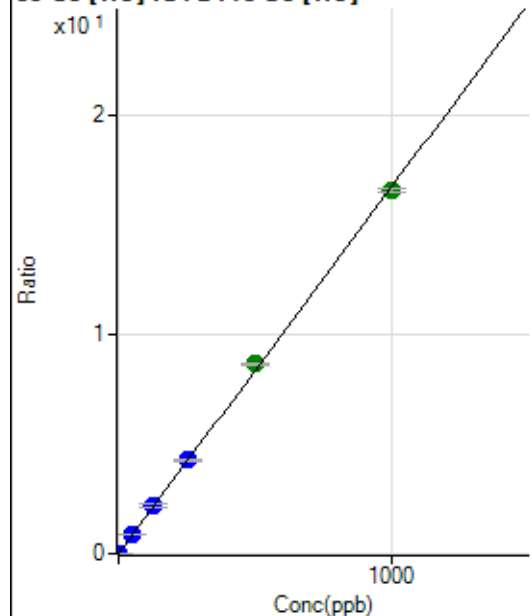
$$DL = 1.07$$

$$BEC = 1.789$$

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   | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|---------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 40.00      | 0.0002  | P       | 22.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.109      | 452.24     | 0.0020  | P       | 7.8  |
| 3 | <input type="checkbox"/> | 1.000    | 1.095      | 4201.77    | 0.0185  | P       | 3.0  |
| 4 | <input type="checkbox"/> | 50.000   | 51.266     | 193698.21  | 0.8573  | P       | 1.3  |
| 5 | <input type="checkbox"/> | 125.000  | 131.660    | 479134.62  | 2.2014  | P       | 7.6  |
| 6 | <input type="checkbox"/> | 250.000  | 254.848    | 920903.96  | 4.2611  | P       | 1.6  |
| 7 | <input type="checkbox"/> | 500.000  | 516.753    | 1803449.42 | 8.6399  | A       | 1.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.516    | 3454727.66 | 16.5442 | A       | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 4804.19    | 0.0227  | P       | 2.0  |

$$y = 0.0167 * x + 1.7697\text{E-}004$$

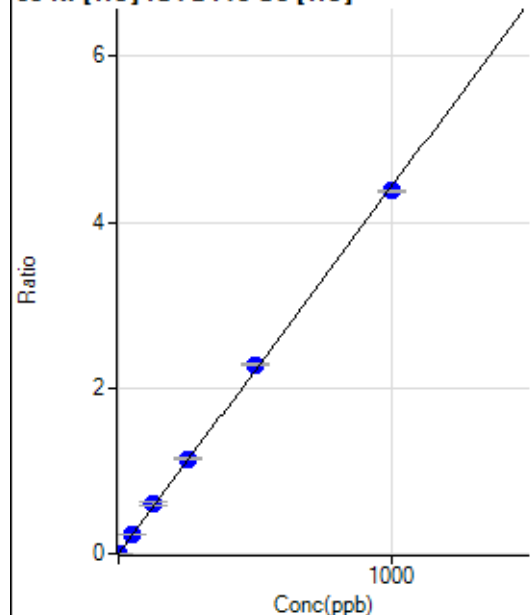
$$R = 0.9998$$

$$DL = 0.007142$$

$$BEC = 0.01058$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                            | Conc.    | Calc Conc. | CPS       | Ratio  | De<br>t | RSD  |
|---|-------------------------------------|----------|------------|-----------|--------|---------|------|
| 1 | <input type="checkbox"/>            | 0.000    | 0.000      | 47.78     | 0.0002 | P       | 27.6 |
| 2 | <input checked="" type="checkbox"/> | 0.100    |            |           |        |         |      |
| 3 | <input type="checkbox"/>            | 1.000    | 1.171      | 1225.62   | 0.0054 | P       | 10.9 |
| 4 | <input type="checkbox"/>            | 50.000   | 51.960     | 52023.62  | 0.2303 | P       | 1.7  |
| 5 | <input type="checkbox"/>            | 125.000  | 135.403    | 130525.49 | 0.5997 | P       | 7.6  |
| 6 | <input type="checkbox"/>            | 250.000  | 259.248    | 248125.40 | 1.1480 | P       | 1.0  |
| 7 | <input type="checkbox"/>            | 500.000  | 515.303    | 476237.13 | 2.2817 | P       | 1.6  |
| 8 | <input type="checkbox"/>            | 1000.000 | 988.638    | 914075.18 | 4.3773 | P       | 0.8  |
| 9 | <input type="checkbox"/>            |          |            | 2834.76   | 0.0134 | P       | 2.6  |

$$y = 0.0044 * x + 2.1093E-004$$

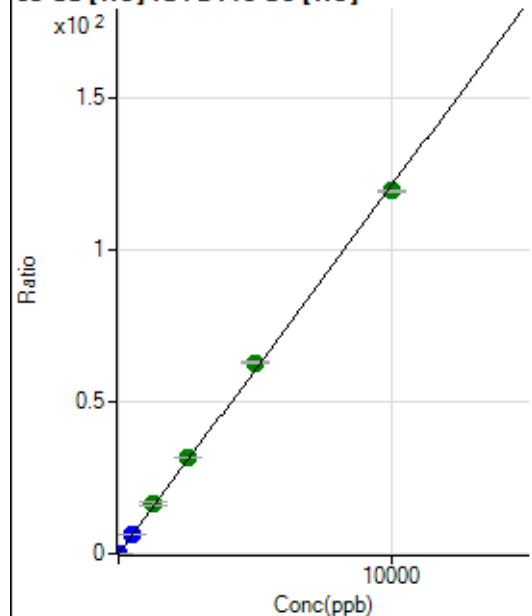
$$R = 0.9997$$

$$DL = 0.03945$$

$$BEC = 0.04764$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                            | Conc.     | Calc Conc. | CPS         | Ratio    | De<br>t | RSD |
|---|-------------------------------------|-----------|------------|-------------|----------|---------|-----|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 1428.98     | 0.0063   | P       | 6.1 |
| 2 | <input checked="" type="checkbox"/> | 0.200     |            |             |          |         |     |
| 3 | <input type="checkbox"/>            | 2.000     | 2.016      | 6982.89     | 0.0307   | P       | 0.7 |
| 4 | <input type="checkbox"/>            | 500.000   | 522.325    | 1430526.65  | 6.3314   | P       | 1.2 |
| 5 | <input type="checkbox"/>            | 1250.000  | 1366.757   | 3603201.23  | 16.5572  | A       | 7.9 |
| 6 | <input type="checkbox"/>            | 2500.000  | 2609.739   | 6832387.68  | 31.6092  | A       | 0.8 |
| 7 | <input type="checkbox"/>            | 5000.000  | 5192.757   | 13126381.47 | 62.8884  | A       | 1.5 |
| 8 | <input type="checkbox"/>            | 10000.000 | 9860.476   | 24936117.13 | 119.4126 | A       | 0.5 |
| 9 | <input type="checkbox"/>            |           |            | 11948.46    | 0.0563   | P       | 2.1 |

$$y = 0.0121 * x + 0.0063$$

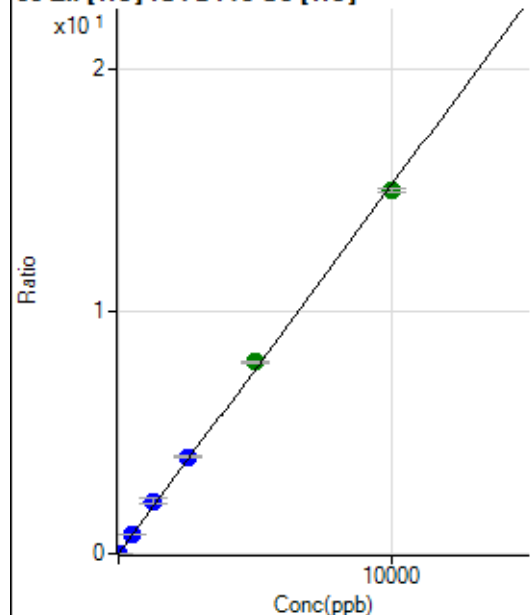
$$R = 0.9996$$

$$DL = 0.09476$$

$$BEC = 0.5215$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct                | Conc.     | Calc Conc. | CPS        | Ratio   | De<br>t | RSD  |
|---|-------------------------------------|-----------|------------|------------|---------|---------|------|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 305.56     | 0.0014  | P       | 13.7 |
| 2 | <input checked="" type="checkbox"/> | 0.200     |            |            |         |         |      |
| 3 | <input type="checkbox"/>            | 2.000     | 2.426      | 1147.84    | 0.0050  | P       | 11.2 |
| 4 | <input type="checkbox"/>            | 500.000   | 517.586    | 178435.21  | 0.7897  | P       | 1.3  |
| 5 | <input type="checkbox"/>            | 1250.000  | 1433.912   | 475730.67  | 2.1855  | P       | 7.4  |
| 6 | <input type="checkbox"/>            | 2500.000  | 2611.790   | 860089.58  | 3.9797  | P       | 1.8  |
| 7 | <input type="checkbox"/>            | 5000.000  | 5205.464   | 1655512.13 | 7.9304  | A       | 0.7  |
| 8 | <input type="checkbox"/>            | 10000.000 | 9845.452   | 3131978.98 | 14.9981 | A       | 1.2  |
| 9 | <input type="checkbox"/>            |           |            | 81969.67   | 0.3865  | P       | 1.1  |

$$y = 0.0015 * x + 0.0014$$

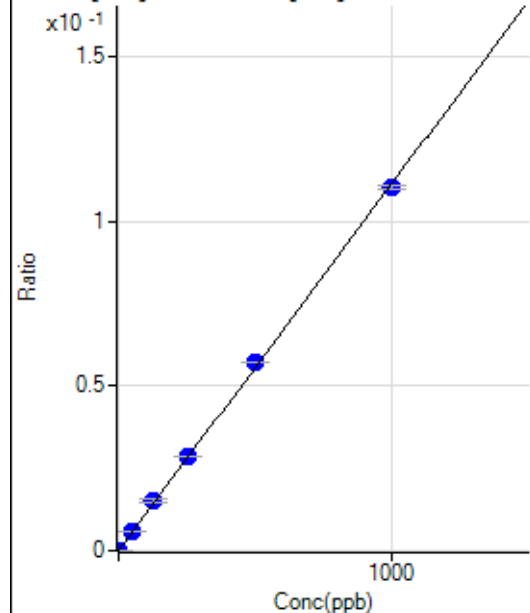
$$R = 0.9995$$

$$DL = 0.3636$$

$$BEC = 0.8877$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-----------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3.67      | 0.0000 | P       | 87.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.122      | 28.33     | 0.0000 | P       | 8.8  |
| 3 | <input type="checkbox"/> | 1.000    | 1.117      | 228.03    | 0.0001 | P       | 5.3  |
| 4 | <input type="checkbox"/> | 50.000   | 52.586     | 10468.26  | 0.0059 | P       | 0.1  |
| 5 | <input type="checkbox"/> | 125.000  | 135.953    | 26193.45  | 0.0151 | P       | 7.9  |
| 6 | <input type="checkbox"/> | 250.000  | 257.025    | 50148.00  | 0.0286 | P       | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 513.857    | 96355.84  | 0.0572 | P       | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.816    | 186683.85 | 0.1103 | P       | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 65.01     | 0.0000 | P       | 14.5 |

$$y = 1.1139E-004 * x + 2.0360E-006$$

$$R = 0.9998$$

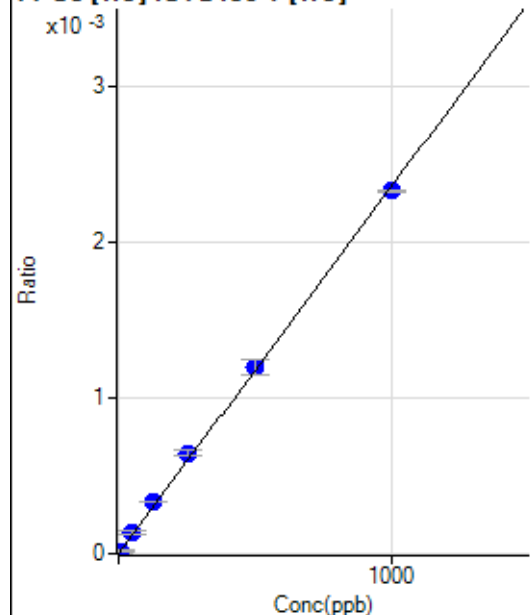
$$DL = 0.04799$$

$$BEC = 0.01828$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS     | Ratio  | De<br>t | RSD   |
|---|--------------------------|----------|------------|---------|--------|---------|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00    | 0.0000 | P       |       |
| 2 | <input type="checkbox"/> | 0.500    | 0.781      | 3.33    | 0.0000 | P       | 100.6 |
| 3 | <input type="checkbox"/> | 5.000    | 6.818      | 28.89   | 0.0000 | P       | 38.3  |
| 4 | <input type="checkbox"/> | 50.000   | 58.874     | 247.78  | 0.0001 | P       | 14.4  |
| 5 | <input type="checkbox"/> | 125.000  | 140.308    | 574.46  | 0.0003 | P       | 1.9   |
| 6 | <input type="checkbox"/> | 250.000  | 274.012    | 1132.28 | 0.0006 | P       | 4.9   |
| 7 | <input type="checkbox"/> | 500.000  | 506.785    | 2012.39 | 0.0012 | P       | 7.8   |
| 8 | <input type="checkbox"/> | 1000.000 | 988.238    | 3947.26 | 0.0023 | P       | 0.5   |
| 9 | <input type="checkbox"/> |          |            | 3.33    | 0.0000 | P       | 100.1 |

$$y = 2.3589\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9996$$

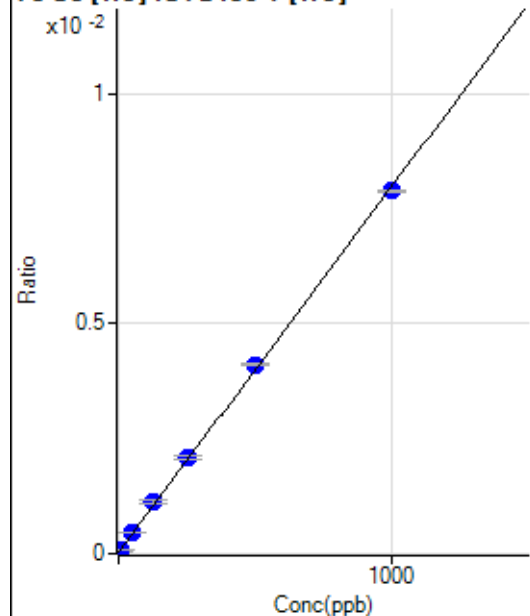
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|----------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 49.67    | 0.0000 | P       | 6.8 |
| 2 | <input type="checkbox"/> | 0.500    | 0.442      | 56.34    | 0.0000 | P       | 2.8 |
| 3 | <input type="checkbox"/> | 5.000    | 6.478      | 142.35   | 0.0001 | P       | 0.5 |
| 4 | <input type="checkbox"/> | 50.000   | 53.111     | 802.44   | 0.0004 | P       | 3.3 |
| 5 | <input type="checkbox"/> | 125.000  | 136.916    | 1928.00  | 0.0011 | P       | 8.1 |
| 6 | <input type="checkbox"/> | 250.000  | 260.847    | 3676.52  | 0.0021 | P       | 3.1 |
| 7 | <input type="checkbox"/> | 500.000  | 513.293    | 6909.39  | 0.0041 | P       | 0.9 |
| 8 | <input type="checkbox"/> | 1000.000 | 988.989    | 13347.65 | 0.0079 | P       | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 46.67    | 0.0000 | P       | 9.8 |

$$y = 7.9426\text{E-}006 * x + 2.7474\text{E-}005$$

$$R = 0.9998$$

$$DL = 0.7085$$

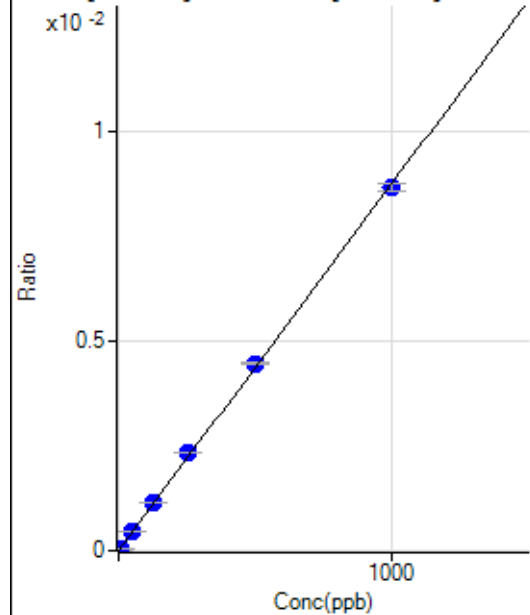
$$BEC = 3.459$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|----------|-------|---------|-----|
| 1 | <input type="checkbox"/> |       |            | 27174.18 |       | P       | 1.2 |
| 2 | <input type="checkbox"/> |       |            | 26997.06 |       | P       | 2.0 |
| 3 | <input type="checkbox"/> |       |            | 26840.15 |       | P       | 4.0 |
| 4 | <input type="checkbox"/> |       |            | 26903.35 |       | P       | 3.6 |
| 5 | <input type="checkbox"/> |       |            | 25810.25 |       | P       | 1.3 |
| 6 | <input type="checkbox"/> |       |            | 24693.87 |       | P       | 1.6 |
| 7 | <input type="checkbox"/> |       |            | 23961.79 |       | P       | 1.5 |
| 8 | <input type="checkbox"/> |       |            | 23664.40 |       | P       | 2.7 |
| 9 | <input type="checkbox"/> |       |            | 25071.78 |       | P       | 1.5 |

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

|   | Rj<br>ct                            | Conc.    | Calc Conc. | CPS       | Ratio  | De<br>t | RSD    |
|---|-------------------------------------|----------|------------|-----------|--------|---------|--------|
| 1 | <input type="checkbox"/>            | 0.000    | 0.000      | -2.90     | 0.0000 | P       | -2208. |
| 2 | <input checked="" type="checkbox"/> | 0.500    |            |           |        |         |        |
| 3 | <input type="checkbox"/>            | 5.000    | 5.210      | 764.96    | 0.0000 | P       | 3.7    |
| 4 | <input type="checkbox"/>            | 50.000   | 52.070     | 7679.55   | 0.0005 | P       | 1.2    |
| 5 | <input type="checkbox"/>            | 125.000  | 132.110    | 19407.84  | 0.0012 | P       | 1.5    |
| 6 | <input type="checkbox"/>            | 250.000  | 266.444    | 37647.08  | 0.0023 | P       | 0.6    |
| 7 | <input type="checkbox"/>            | 500.000  | 510.815    | 71301.65  | 0.0045 | P       | 1.8    |
| 8 | <input type="checkbox"/>            | 1000.000 | 989.488    | 135745.20 | 0.0087 | P       | 2.0    |
| 9 | <input type="checkbox"/>            |          |            | 110.44    | 0.0000 | P       | 41.2   |

$$y = 8.7615E-006 * x - 1.7019E-007$$

$$R = 0.9998$$

$$DL = 1.287$$

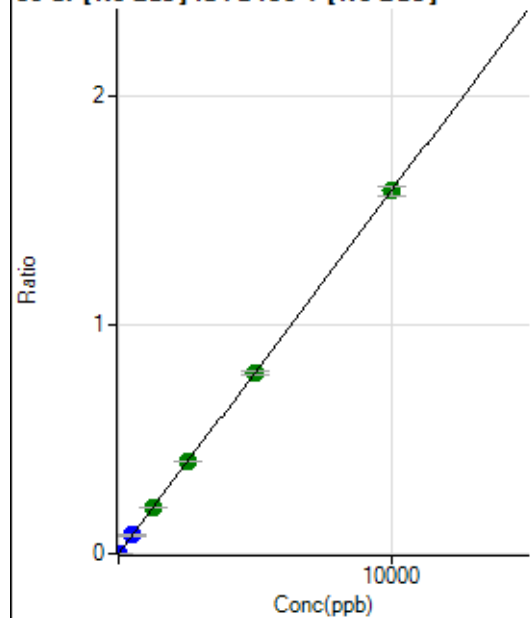
$$BEC = -0.01943$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | De<br>t | RSD  |
|---|--------------------------|-------|------------|---------|-------|---------|------|
| 1 | <input type="checkbox"/> |       |            | 986.71  |       | P       | 7.3  |
| 2 | <input type="checkbox"/> |       |            | 1026.72 |       | P       | 12.8 |
| 3 | <input type="checkbox"/> |       |            | 1073.39 |       | P       | 2.3  |
| 4 | <input type="checkbox"/> |       |            | 1044.50 |       | P       | 5.8  |
| 5 | <input type="checkbox"/> |       |            | 1018.94 |       | P       | 8.1  |
| 6 | <input type="checkbox"/> |       |            | 978.93  |       | P       | 6.1  |
| 7 | <input type="checkbox"/> |       |            | 1017.82 |       | P       | 6.1  |
| 8 | <input type="checkbox"/> |       |            | 964.49  |       | P       | 1.7  |
| 9 | <input type="checkbox"/> |       |            | 991.16  |       | P       | 5.8  |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1608.47     | 0.0001 | P       | 13.9 |
| 2 | <input type="checkbox"/> | 0.100     | 0.138      | 2005.75     | 0.0001 | P       | 4.1  |
| 3 | <input type="checkbox"/> | 1.000     | 1.134      | 4642.56     | 0.0003 | P       | 2.2  |
| 4 | <input type="checkbox"/> | 500.000   | 503.151    | 1342921.22  | 0.0798 | P       | 0.8  |
| 5 | <input type="checkbox"/> | 1250.000  | 1276.227   | 3389660.62  | 0.2021 | A       | 2.3  |
| 6 | <input type="checkbox"/> | 2500.000  | 2536.301   | 6477284.52  | 0.4016 | A       | 0.9  |
| 7 | <input type="checkbox"/> | 5000.000  | 4978.222   | 12558108.53 | 0.7882 | A       | 1.7  |
| 8 | <input type="checkbox"/> | 10000.000 | 9998.378   | 24784565.13 | 1.5830 | A       | 2.7  |
| 9 | <input type="checkbox"/> |           |            | 9303.33     | 0.0006 | P       | 4.4  |

$$y = 1.5831E-004 * x + 9.6566E-005$$

$$R = 1.0000$$

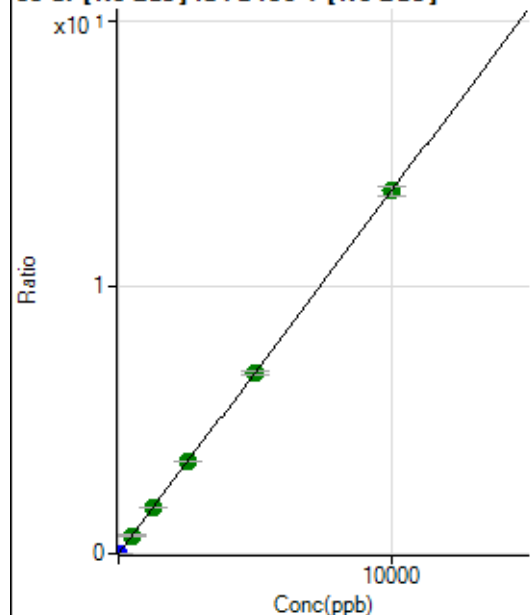
$$DL = 0.2536$$

$$BEC = 0.61$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | De<br>t | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 569.47      | 0.0000  | P       | 11.1 |
| 2 | <input type="checkbox"/> | 0.100     | 0.105      | 2997.63     | 0.0002  | P       | 1.7  |
| 3 | <input type="checkbox"/> | 1.000     | 1.040      | 24360.61    | 0.0014  | P       | 2.5  |
| 4 | <input type="checkbox"/> | 500.000   | 501.763    | 11496287.06 | 0.6828  | A       | 1.0  |
| 5 | <input type="checkbox"/> | 1250.000  | 1261.503   | 28790649.25 | 1.7166  | A       | 1.0  |
| 6 | <input type="checkbox"/> | 2500.000  | 2560.291   | 56189895.70 | 3.4840  | A       | 0.3  |
| 7 | <input type="checkbox"/> | 5000.000  | 4966.957   | 107680781.5 | 6.7589  | A       | 2.2  |
| 8 | <input type="checkbox"/> | 10000.000 | 9999.923   | 213060989.4 | 13.6076 | A       | 2.4  |
| 9 | <input type="checkbox"/> |           |            | 66907.94    | 0.0042  | P       | 1.2  |

$$y = 0.0014 * x + 3.4184E-005$$

$$R = 1.0000$$

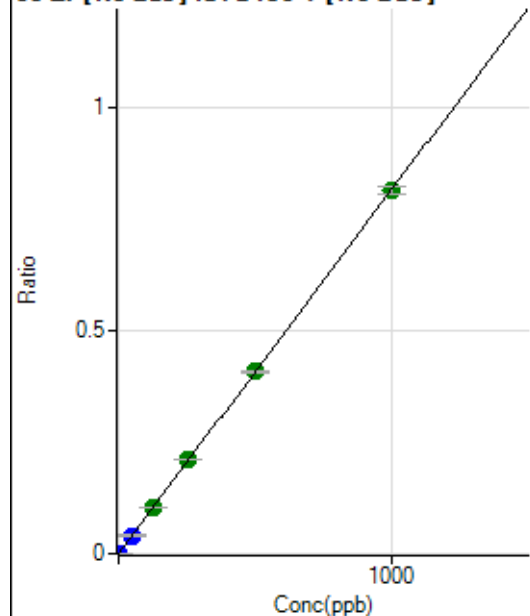
$$DL = 0.008376$$

$$BEC = 0.02512$$

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  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1036.18     | 0.0001 | P       | 11.1 |
| 2 | <input type="checkbox"/> | 0.100    | 0.095      | 2361.38     | 0.0001 | P       | 4.0  |
| 3 | <input type="checkbox"/> | 1.000    | 1.023      | 15050.07    | 0.0009 | P       | 2.5  |
| 4 | <input type="checkbox"/> | 50.000   | 49.983     | 686365.43   | 0.0408 | P       | 2.0  |
| 5 | <input type="checkbox"/> | 125.000  | 127.699    | 1745369.81  | 0.1041 | A       | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 259.396    | 3408296.65  | 0.2113 | A       | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 500.302    | 6493671.97  | 0.4075 | A       | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.163    | 12717816.34 | 0.8122 | A       | 2.1  |
| 9 | <input type="checkbox"/> |          |            | 3206.01     | 0.0002 | P       | 6.4  |

$$y = 8.1447E-004 * x + 6.2146E-005$$

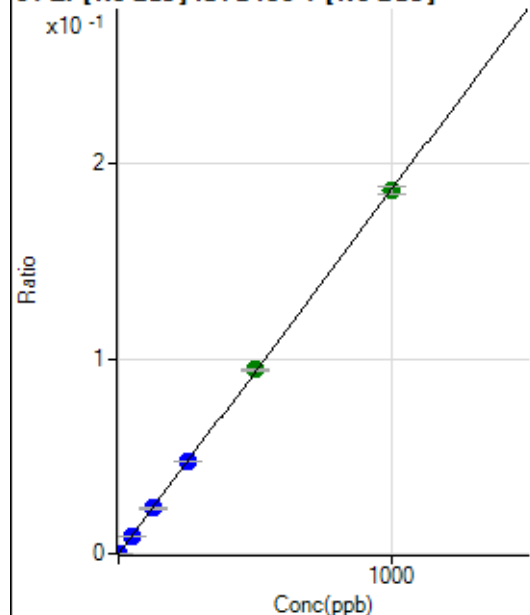
$$R = 1.0000$$

$$DL = 0.02539$$

$$BEC = 0.0763$$

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  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 175.00     | 0.0000 | P       | 16.4 |
| 2 | <input type="checkbox"/> | 0.100    | 0.101      | 497.24     | 0.0000 | P       | 9.3  |
| 3 | <input type="checkbox"/> | 1.000    | 0.970      | 3219.92    | 0.0002 | P       | 7.8  |
| 4 | <input type="checkbox"/> | 50.000   | 49.197     | 154568.17  | 0.0092 | P       | 3.5  |
| 5 | <input type="checkbox"/> | 125.000  | 124.711    | 390136.14  | 0.0233 | P       | 2.2  |
| 6 | <input type="checkbox"/> | 250.000  | 252.819    | 760432.23  | 0.0472 | P       | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 504.710    | 1499577.19 | 0.0941 | A       | 1.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.017    | 2911021.22 | 0.1859 | A       | 2.1  |
| 9 | <input type="checkbox"/> |          |            | 638.92     | 0.0000 | P       | 8.9  |

$$y = 1.8646E-004 * x + 1.0500E-005$$

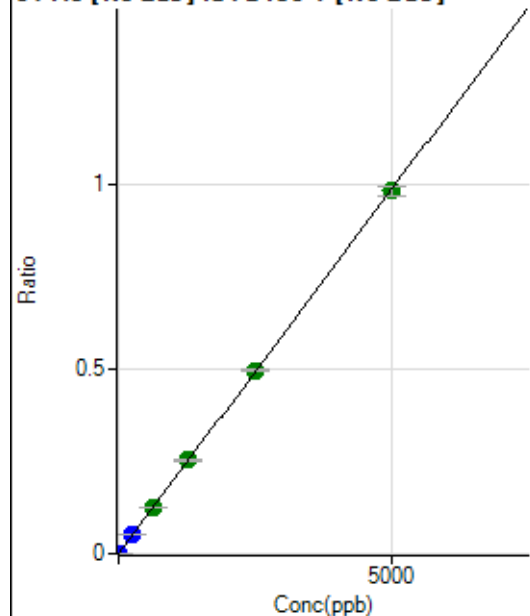
$$R = 1.0000$$

$$DL = 0.02771$$

$$BEC = 0.05631$$

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  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 308.35      | 0.0000 | P       | 13.4 |
| 2 | <input type="checkbox"/> | 0.500    | 0.501      | 1989.09     | 0.0001 | P       | 6.8  |
| 3 | <input type="checkbox"/> | 5.000    | 5.125      | 17339.01    | 0.0010 | P       | 0.7  |
| 4 | <input type="checkbox"/> | 250.000  | 253.891    | 844929.94   | 0.0502 | P       | 1.8  |
| 5 | <input type="checkbox"/> | 625.000  | 633.292    | 2098797.86  | 0.1252 | A       | 1.6  |
| 6 | <input type="checkbox"/> | 1250.000 | 1283.021   | 4088968.71  | 0.2535 | A       | 0.9  |
| 7 | <input type="checkbox"/> | 2500.000 | 2516.674   | 7923880.39  | 0.4973 | A       | 1.0  |
| 8 | <input type="checkbox"/> | 5000.000 | 4982.176   | 15414232.46 | 0.9845 | A       | 2.5  |
| 9 | <input type="checkbox"/> |          |            | 4348.03     | 0.0003 | P       | 7.6  |

$$y = 1.9760E-004 * x + 1.8499E-005$$

$$R = 1.0000$$

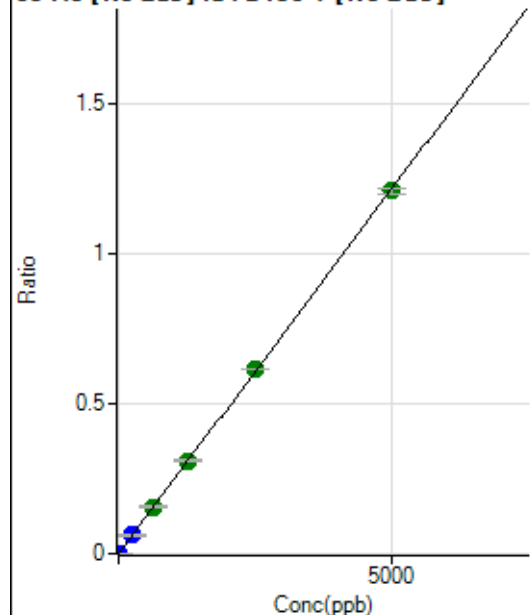
$$DL = 0.03758$$

$$BEC = 0.09362$$

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  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 22.22       | 0.0000 | P       | 43.8 |
| 2 | <input type="checkbox"/> | 0.500    | 0.501      | 2086.33     | 0.0001 | P       | 5.7  |
| 3 | <input type="checkbox"/> | 5.000    | 5.100      | 20871.70    | 0.0012 | P       | 4.1  |
| 4 | <input type="checkbox"/> | 250.000  | 251.692    | 1030647.50  | 0.0612 | P       | 1.6  |
| 5 | <input type="checkbox"/> | 625.000  | 638.774    | 2605251.14  | 0.1554 | A       | 2.6  |
| 6 | <input type="checkbox"/> | 1250.000 | 1279.198   | 5018071.90  | 0.3111 | A       | 0.7  |
| 7 | <input type="checkbox"/> | 2500.000 | 2527.533   | 9796299.96  | 0.6148 | A       | 0.2  |
| 8 | <input type="checkbox"/> | 5000.000 | 4977.128   | 18956859.45 | 1.2106 | A       | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 4823.20     | 0.0003 | P       | 3.9  |

$$y = 2.4323\text{E-}004 * x + 1.3353\text{E-}006$$

$$R = 1.0000$$

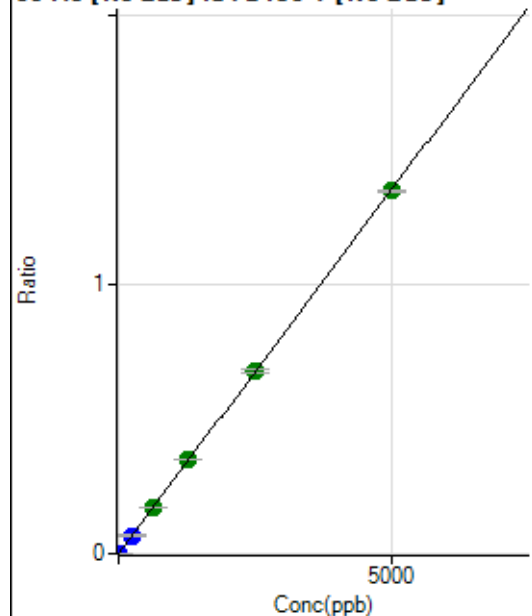
$$DL = 0.007213$$

$$BEC = 0.00549$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 150.01      | 0.0000 | P       | 10.5 |
| 2 | <input type="checkbox"/> | 0.500    | 0.490      | 2400.29     | 0.0001 | P       | 4.9  |
| 3 | <input type="checkbox"/> | 5.000    | 5.092      | 23336.80    | 0.0014 | P       | 3.1  |
| 4 | <input type="checkbox"/> | 250.000  | 250.633    | 1142959.39  | 0.0679 | P       | 1.8  |
| 5 | <input type="checkbox"/> | 625.000  | 635.725    | 2887321.74  | 0.1722 | A       | 3.0  |
| 6 | <input type="checkbox"/> | 1250.000 | 1287.985   | 5626405.77  | 0.3489 | A       | 0.6  |
| 7 | <input type="checkbox"/> | 2500.000 | 2510.820   | 10835682.27 | 0.6801 | A       | 1.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 4983.721   | 21140066.62 | 1.3499 | A       | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 13404.06    | 0.0008 | P       | 3.6  |

$$y = 2.7085\text{E-}004 * x + 8.9971\text{E-}006$$

$$R = 1.0000$$

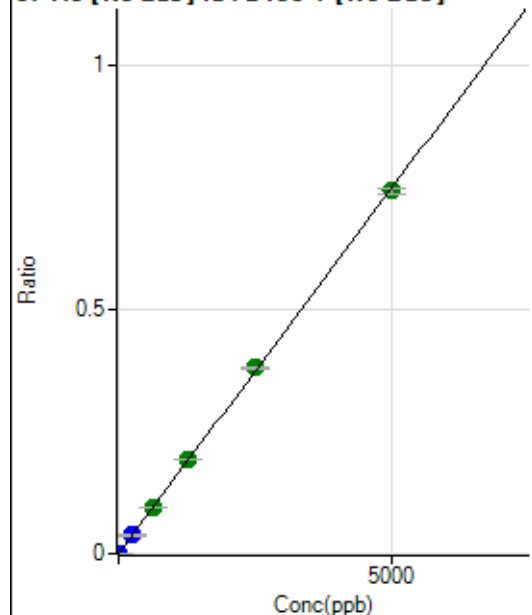
$$DL = 0.01047$$

$$BEC = 0.03322$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 13.89       | 0.0000 | P       | 34.3 |
| 2 | <input type="checkbox"/> | 0.500    | 0.513      | 1313.99     | 0.0001 | P       | 3.3  |
| 3 | <input type="checkbox"/> | 5.000    | 5.241      | 13214.99    | 0.0008 | P       | 4.2  |
| 4 | <input type="checkbox"/> | 250.000  | 251.196    | 633440.71   | 0.0376 | P       | 3.1  |
| 5 | <input type="checkbox"/> | 625.000  | 632.682    | 1589350.85  | 0.0948 | A       | 3.0  |
| 6 | <input type="checkbox"/> | 1250.000 | 1288.759   | 3113944.49  | 0.1931 | A       | 0.5  |
| 7 | <input type="checkbox"/> | 2500.000 | 2544.382   | 6073204.17  | 0.3812 | A       | 1.8  |
| 8 | <input type="checkbox"/> | 5000.000 | 4967.099   | 11652796.35 | 0.7441 | A       | 1.4  |
| 9 | <input type="checkbox"/> |          |            | 2772.57     | 0.0002 | P       | 2.6  |

$$y = 1.4981E-004 * x + 8.3258E-007$$

$$R = 0.9999$$

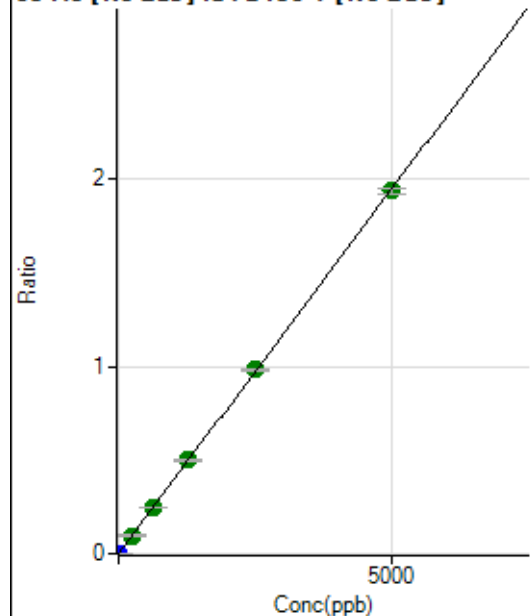
$$DL = 0.005725$$

$$BEC = 0.005557$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 55.56       | 0.0000 | P       | 31.8 |
| 2 | <input type="checkbox"/> | 0.500    | 0.521      | 3492.20     | 0.0002 | P       | 2.3  |
| 3 | <input type="checkbox"/> | 5.000    | 5.049      | 33109.61    | 0.0020 | P       | 0.9  |
| 4 | <input type="checkbox"/> | 250.000  | 250.604    | 1642205.61  | 0.0976 | A       | 3.1  |
| 5 | <input type="checkbox"/> | 625.000  | 631.998    | 4125925.61  | 0.2460 | A       | 2.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1282.622   | 8053369.97  | 0.4993 | A       | 1.2  |
| 7 | <input type="checkbox"/> | 2500.000 | 2526.811   | 15673439.24 | 0.9837 | A       | 1.2  |
| 8 | <input type="checkbox"/> | 5000.000 | 4977.534   | 30342755.19 | 1.9378 | A       | 1.9  |
| 9 | <input type="checkbox"/> |          |            | 6801.84     | 0.0004 | P       | 7.2  |

$$y = 3.8931E-004 * x + 3.3374E-006$$

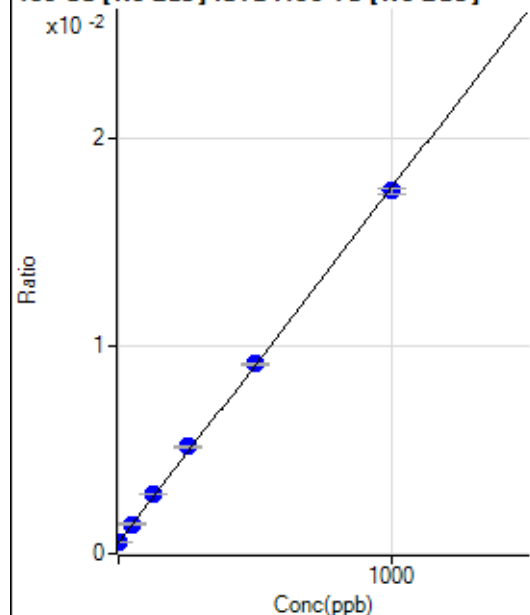
$$R = 1.0000$$

$$DL = 0.00817$$

$$BEC = 0.008573$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-----------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6226.56   | 0.0005 | P       | 1.6 |
| 2 | <input type="checkbox"/> | 0.100    | 0.285      | 6301.62   | 0.0005 | P       | 5.4 |
| 3 | <input type="checkbox"/> | 1.000    | 1.772      | 6590.66   | 0.0006 | P       | 0.2 |
| 4 | <input type="checkbox"/> | 50.000   | 51.265     | 16385.10  | 0.0014 | P       | 3.0 |
| 5 | <input type="checkbox"/> | 125.000  | 135.291    | 33154.16  | 0.0029 | P       | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 270.981    | 59241.52  | 0.0052 | P       | 2.1 |
| 7 | <input type="checkbox"/> | 500.000  | 503.944    | 106404.24 | 0.0092 | P       | 1.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 991.432    | 202109.48 | 0.0175 | P       | 1.8 |
| 9 | <input type="checkbox"/> |          |            | 5306.71   | 0.0005 | P       | 0.6 |

$$y = 1.7087\text{E-}005 * x + 5.4114\text{E-}004$$

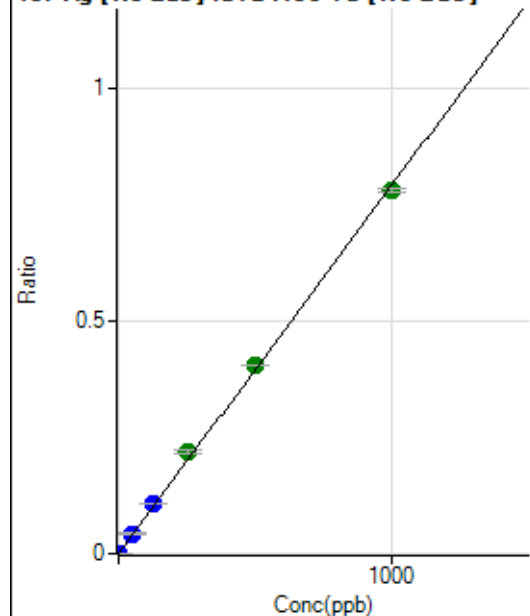
$$R = 0.9997$$

$$DL = 1.487$$

$$BEC = 31.67$$

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  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 116.67     | 0.0000 | P       | 19.2 |
| 2 | <input type="checkbox"/> | 0.100    | 0.089      | 930.61     | 0.0001 | P       | 4.2  |
| 3 | <input type="checkbox"/> | 1.000    | 1.066      | 9831.50    | 0.0009 | P       | 4.7  |
| 4 | <input type="checkbox"/> | 50.000   | 54.389     | 496979.43  | 0.0430 | P       | 2.4  |
| 5 | <input type="checkbox"/> | 125.000  | 135.445    | 1243702.16 | 0.1070 | P       | 1.9  |
| 6 | <input type="checkbox"/> | 250.000  | 276.357    | 2501060.71 | 0.2183 | A       | 2.9  |
| 7 | <input type="checkbox"/> | 500.000  | 512.574    | 4707615.38 | 0.4049 | A       | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 985.599    | 9002179.45 | 0.7786 | A       | 1.1  |
| 9 | <input type="checkbox"/> |          |            | 2644.77    | 0.0002 | P       | 6.1  |

$$y = 7.9000\text{E-}004 * x + 1.0144\text{E-}005$$

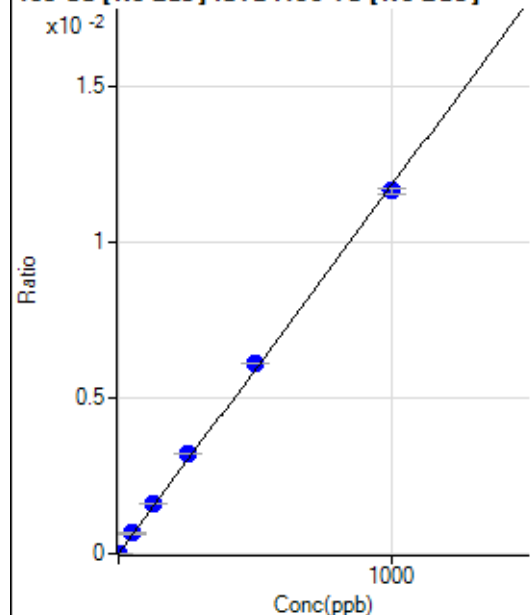
$$R = 0.9995$$

$$DL = 0.007412$$

$$BEC = 0.01284$$

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  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-----------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 31.95     | 0.0000 | P       | 27.3 |
| 2 | <input type="checkbox"/> | 0.100    | 0.102      | 45.83     | 0.0000 | P       | 32.4 |
| 3 | <input type="checkbox"/> | 1.000    | 1.020      | 170.84    | 0.0000 | P       | 5.5  |
| 4 | <input type="checkbox"/> | 50.000   | 54.849     | 7518.81   | 0.0007 | P       | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 136.951    | 18815.72  | 0.0016 | P       | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 270.631    | 36629.15  | 0.0032 | P       | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 515.225    | 70724.77  | 0.0061 | P       | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 985.493    | 134498.38 | 0.0116 | P       | 1.6  |
| 9 | <input type="checkbox"/> |          |            | 198.61    | 0.0000 | P       | 6.7  |

$$y = 1.1802\text{E-}005 * x + 2.7772\text{E-}006$$

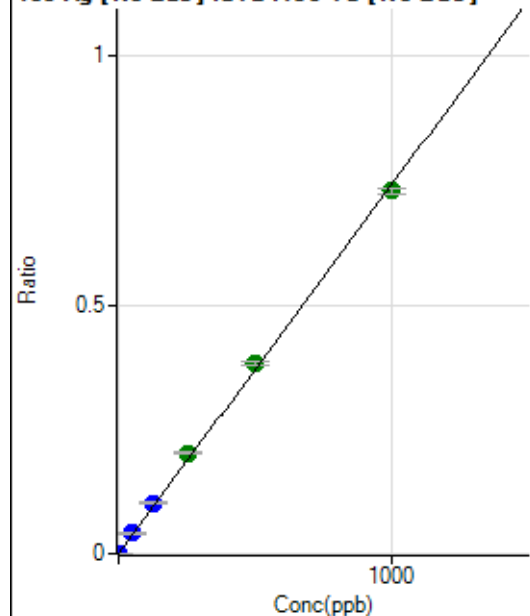
$$R = 0.9996$$

$$DL = 0.1926$$

$$BEC = 0.2353$$

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  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 36.11      | 0.0000 | P       | 12.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.097      | 863.94     | 0.0001 | P       | 12.8 |
| 3 | <input type="checkbox"/> | 1.000    | 1.100      | 9442.37    | 0.0008 | P       | 0.9  |
| 4 | <input type="checkbox"/> | 50.000   | 55.326     | 474067.24  | 0.0410 | P       | 5.0  |
| 5 | <input type="checkbox"/> | 125.000  | 137.919    | 1188182.82 | 0.1022 | P       | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 272.124    | 2311393.82 | 0.2017 | A       | 1.5  |
| 7 | <input type="checkbox"/> | 500.000  | 517.343    | 4458354.14 | 0.3835 | A       | 2.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 983.917    | 8432589.69 | 0.7294 | A       | 1.8  |
| 9 | <input type="checkbox"/> |          |            | 2469.75    | 0.0002 | P       | 5.2  |

$$y = 7.4133\text{E-}004 * x + 3.1369\text{E-}006$$

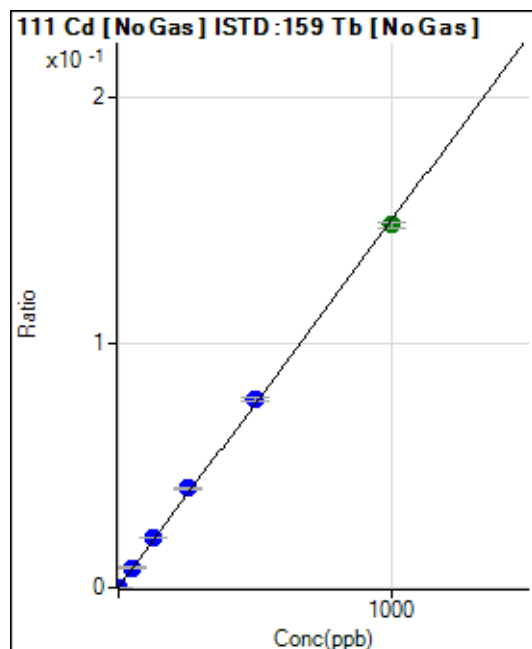
$$R = 0.9995$$

$$DL = 0.001632$$

$$BEC = 0.004231$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1235.45    | 0.0001 | P       | 1.1 |
| 2 | <input type="checkbox"/> | 0.100    | 0.095      | 1403.24    | 0.0001 | P       | 6.8 |
| 3 | <input type="checkbox"/> | 1.000    | 1.101      | 3141.77    | 0.0003 | P       | 1.3 |
| 4 | <input type="checkbox"/> | 50.000   | 53.907     | 94630.76   | 0.0082 | P       | 3.2 |
| 5 | <input type="checkbox"/> | 125.000  | 136.830    | 239510.23  | 0.0206 | P       | 0.9 |
| 6 | <input type="checkbox"/> | 250.000  | 269.320    | 463531.99  | 0.0405 | P       | 2.0 |
| 7 | <input type="checkbox"/> | 500.000  | 512.363    | 893745.82  | 0.0769 | P       | 1.9 |
| 8 | <input type="checkbox"/> | 1000.000 | 987.314    | 1711582.23 | 0.1481 | A       | 1.8 |
| 9 | <input type="checkbox"/> |          |            | 1258.43    | 0.0001 | P       | 4.5 |

$$y = 1.4984\text{E-}004 * x + 1.0737\text{E-}004$$

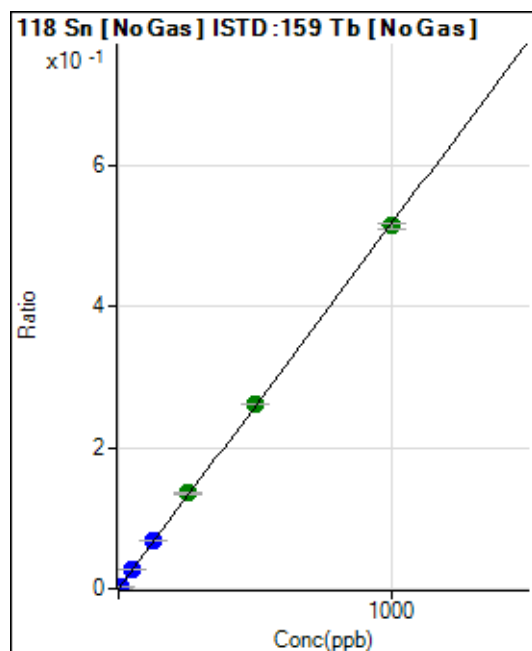
$$R = 0.9996$$

$$DL = 0.02435$$

$$BEC = 0.7165$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1102.86    | 0.0001 | P       | 7.5 |
| 2 | <input type="checkbox"/> | 0.500    | 0.587      | 4609.25    | 0.0004 | P       | 3.9 |
| 3 | <input type="checkbox"/> | 5.000    | 5.322      | 32859.48   | 0.0028 | P       | 2.2 |
| 4 | <input type="checkbox"/> | 50.000   | 52.818     | 317048.28  | 0.0274 | P       | 3.0 |
| 5 | <input type="checkbox"/> | 125.000  | 131.407    | 791156.72  | 0.0681 | P       | 0.8 |
| 6 | <input type="checkbox"/> | 250.000  | 261.530    | 1551114.92 | 0.1354 | A       | 1.7 |
| 7 | <input type="checkbox"/> | 500.000  | 504.901    | 3037832.01 | 0.2613 | A       | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 993.724    | 5944897.70 | 0.5142 | A       | 1.6 |
| 9 | <input type="checkbox"/> |          |            | 3419.96    | 0.0003 | P       | 3.6 |

$$y = 5.1736\text{E-}004 * x + 9.5860\text{E-}005$$

$$R = 0.9999$$

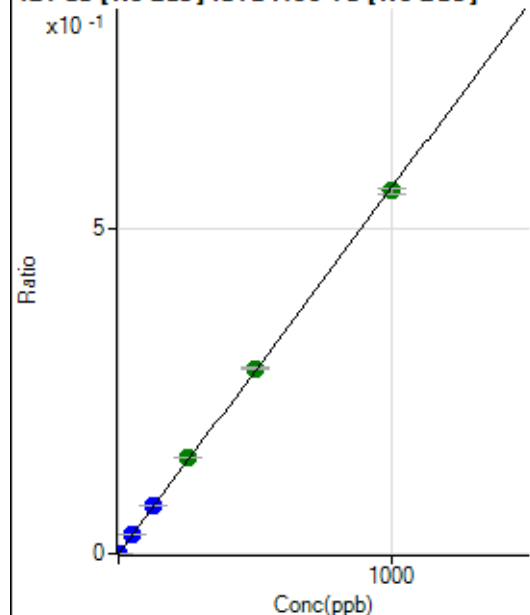
$$DL = 0.04171$$

$$BEC = 0.1853$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.11      | 0.0000 | P       | 7.4 |
| 2 | <input type="checkbox"/> | 0.200    | 0.225      | 1527.91    | 0.0001 | P       | 6.8 |
| 3 | <input type="checkbox"/> | 2.000    | 2.143      | 14013.09   | 0.0012 | P       | 3.5 |
| 4 | <input type="checkbox"/> | 50.000   | 52.596     | 343233.55  | 0.0297 | P       | 3.9 |
| 5 | <input type="checkbox"/> | 125.000  | 132.849    | 871472.37  | 0.0750 | P       | 1.1 |
| 6 | <input type="checkbox"/> | 250.000  | 264.600    | 1711099.69 | 0.1494 | A       | 0.5 |
| 7 | <input type="checkbox"/> | 500.000  | 507.023    | 3326917.85 | 0.2862 | A       | 0.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 991.727    | 6471568.33 | 0.5598 | A       | 1.4 |
| 9 | <input type="checkbox"/> |          |            | 5003.85    | 0.0004 | P       | 2.8 |

$$y = 5.6442\text{E-}004 * x + 5.3096\text{E-}006$$

$$R = 0.9998$$

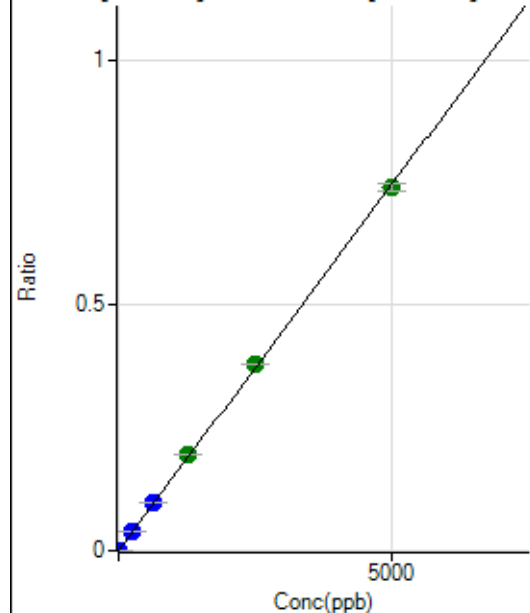
$$DL = 0.002092$$

$$BEC = 0.009407$$

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  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 19.45      | 0.0000 | P       | 24.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.049      | 1825.18    | 0.0002 | P       | 2.0  |
| 3 | <input type="checkbox"/> | 10.000   | 11.020     | 18980.45   | 0.0016 | P       | 1.8  |
| 4 | <input type="checkbox"/> | 250.000  | 255.997    | 441549.79  | 0.0382 | P       | 4.0  |
| 5 | <input type="checkbox"/> | 625.000  | 651.531    | 1129616.70 | 0.0972 | P       | 1.0  |
| 6 | <input type="checkbox"/> | 1250.000 | 1309.840   | 2238863.85 | 0.1954 | A       | 1.0  |
| 7 | <input type="checkbox"/> | 2500.000 | 2544.687   | 4413516.46 | 0.3796 | A       | 0.4  |
| 8 | <input type="checkbox"/> | 5000.000 | 4959.078   | 8553146.72 | 0.7398 | A       | 2.2  |
| 9 | <input type="checkbox"/> |          |            | 2978.20    | 0.0003 | P       | 7.6  |

$$y = 1.4919\text{E-}004 * x + 1.6902\text{E-}006$$

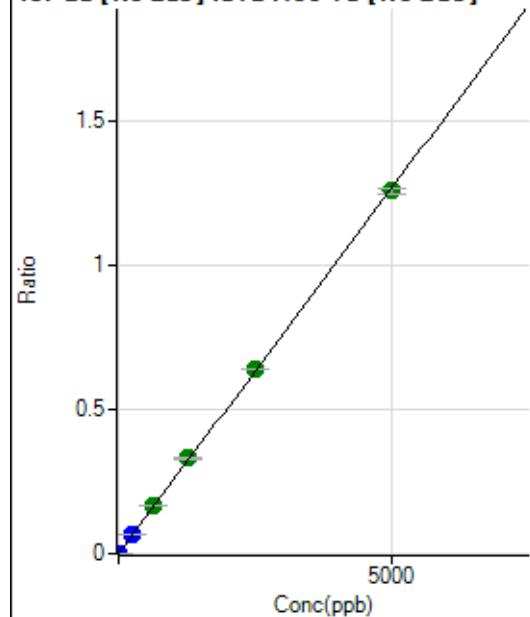
$$R = 0.9999$$

$$DL = 0.008424$$

$$BEC = 0.01133$$

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  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 52.78       | 0.0000 | P       | 36.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.061      | 3156.02     | 0.0003 | P       | 4.1  |
| 3 | <input type="checkbox"/> | 10.000   | 10.967     | 32108.09    | 0.0028 | P       | 3.0  |
| 4 | <input type="checkbox"/> | 250.000  | 261.277    | 765766.54   | 0.0662 | P       | 2.1  |
| 5 | <input type="checkbox"/> | 625.000  | 666.528    | 1963103.95  | 0.1689 | A       | 0.9  |
| 6 | <input type="checkbox"/> | 1250.000 | 1307.396   | 3795589.11  | 0.3313 | A       | 2.2  |
| 7 | <input type="checkbox"/> | 2500.000 | 2526.906   | 7445002.16  | 0.6404 | A       | 0.2  |
| 8 | <input type="checkbox"/> | 5000.000 | 4966.441   | 14551277.06 | 1.2587 | A       | 1.8  |
| 9 | <input type="checkbox"/> |          |            | 5365.10     | 0.0005 | P       | 2.4  |

$$y = 2.5343\text{E-}004 * x + 4.5874\text{E-}006$$

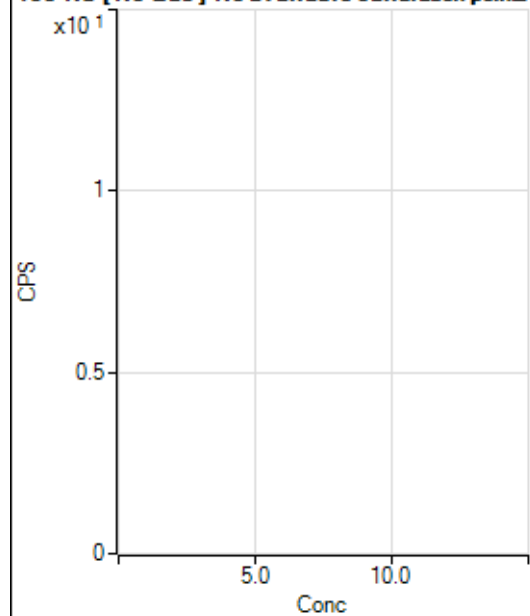
$$R = 0.9999$$

$$DL = 0.01983$$

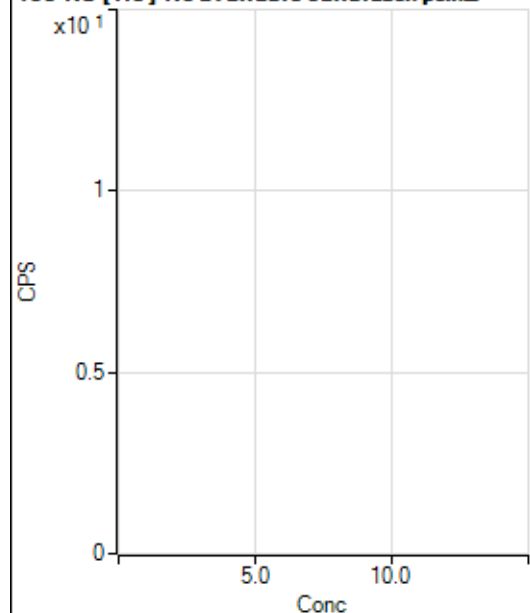
$$BEC = 0.0181$$

Weight: &lt;None&gt;

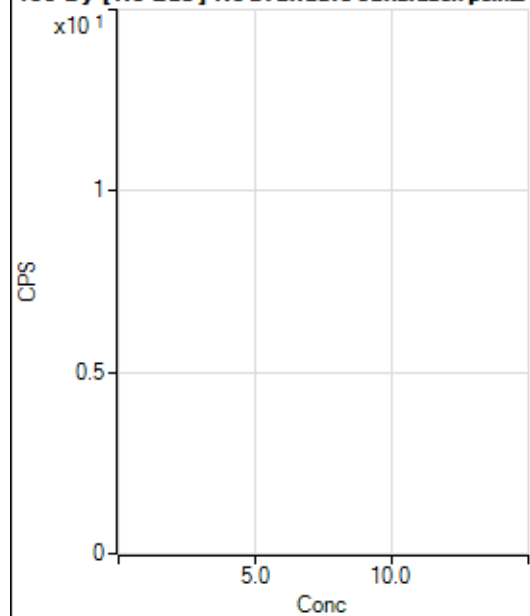
Min Conc: 0

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

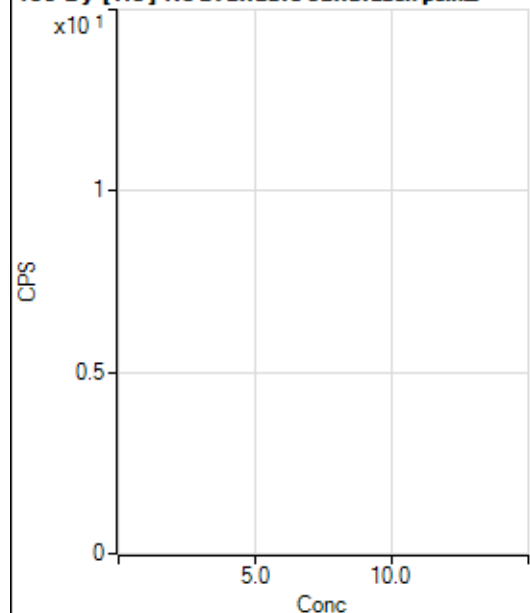
|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS    | Ratio | De<br>t | RSD   |
|---|--------------------------|-------|------------|--------|-------|---------|-------|
| 1 | <input type="checkbox"/> |       |            | 4.45   |       | P       | 86.6  |
| 2 | <input type="checkbox"/> |       |            | 4.45   |       | P       | 86.6  |
| 3 | <input type="checkbox"/> |       |            | 2.22   |       | P       | 173.2 |
| 4 | <input type="checkbox"/> |       |            | 51.11  |       | P       | 37.7  |
| 5 | <input type="checkbox"/> |       |            | 100.00 |       | P       | 26.7  |
| 6 | <input type="checkbox"/> |       |            | 157.78 |       | P       | 23.3  |
| 7 | <input type="checkbox"/> |       |            | 308.90 |       | P       | 1.2   |
| 8 | <input type="checkbox"/> |       |            | 586.69 |       | P       | 17.0  |
| 9 | <input type="checkbox"/> |       |            | 66.67  |       | P       | 50.0  |

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

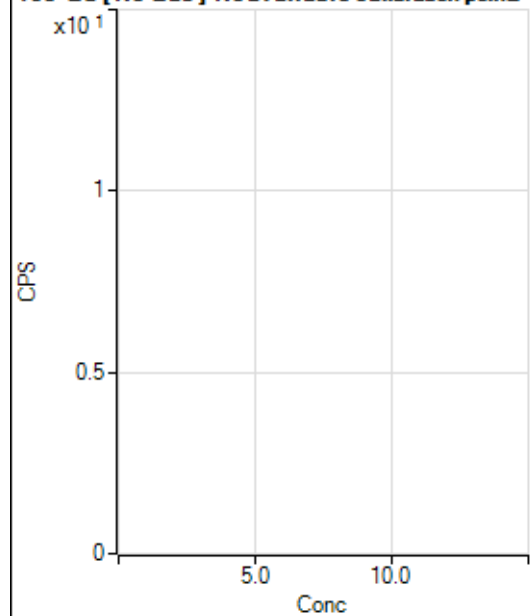
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | De<br>t | RSD   |
|---|--------------------------|-------|------------|-------|-------|---------|-------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P       |       |
| 2 | <input type="checkbox"/> |       |            | 1.11  |       | P       | 173.2 |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P       | 173.2 |
| 4 | <input type="checkbox"/> |       |            | 2.22  |       | P       | 86.6  |
| 5 | <input type="checkbox"/> |       |            | 7.78  |       | P       | 24.7  |
| 6 | <input type="checkbox"/> |       |            | 11.11 |       | P       | 86.6  |
| 7 | <input type="checkbox"/> |       |            | 18.89 |       | P       | 51.0  |
| 8 | <input type="checkbox"/> |       |            | 26.67 |       | P       | 43.3  |
| 9 | <input type="checkbox"/> |       |            | 15.55 |       | P       | 86.6  |

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

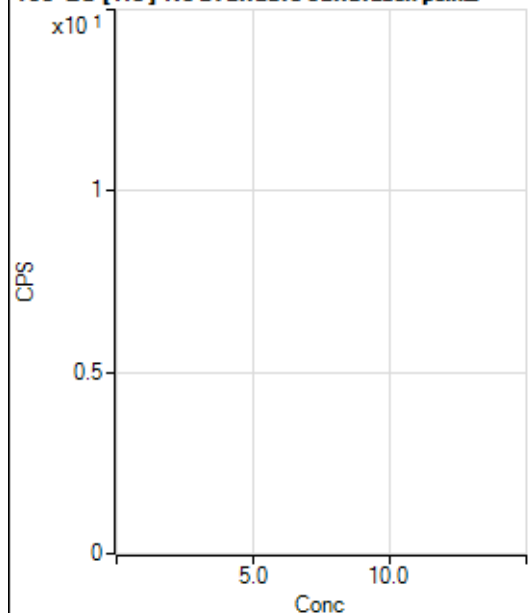
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | De<br>t | RSD   |
|---|--------------------------|-------|------------|---------|-------|---------|-------|
| 1 | <input type="checkbox"/> |       |            | 0.00    |       | P       |       |
| 2 | <input type="checkbox"/> |       |            | 2.78    |       | P       | 173.2 |
| 3 | <input type="checkbox"/> |       |            | 2.78    |       | P       | 173.2 |
| 4 | <input type="checkbox"/> |       |            | 33.33   |       | P       | 43.3  |
| 5 | <input type="checkbox"/> |       |            | 69.45   |       | P       | 30.2  |
| 6 | <input type="checkbox"/> |       |            | 122.23  |       | P       | 21.9  |
| 7 | <input type="checkbox"/> |       |            | 283.35  |       | P       | 7.8   |
| 8 | <input type="checkbox"/> |       |            | 458.35  |       | P       | 4.8   |
| 9 | <input type="checkbox"/> |       |            | 1836.29 |       | P       | 4.5   |

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

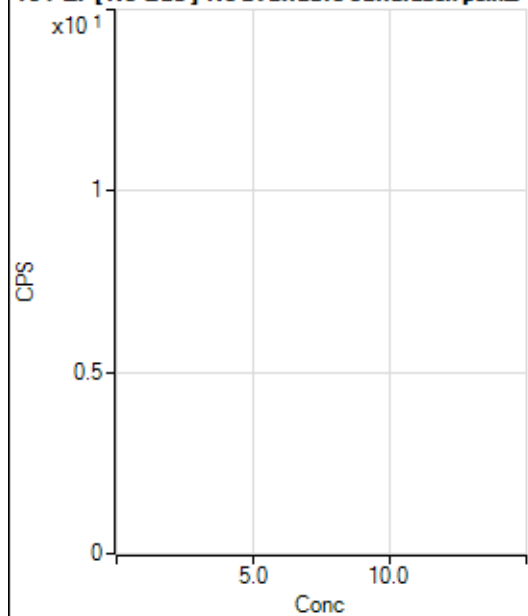
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | De<br>t | RSD   |
|---|--------------------------|-------|------------|--------|-------|---------|-------|
| 1 | <input type="checkbox"/> |       |            | 5.56   |       | P       | 34.7  |
| 2 | <input type="checkbox"/> |       |            | 4.44   |       | P       | 114.6 |
| 3 | <input type="checkbox"/> |       |            | 2.22   |       | P       | 86.6  |
| 4 | <input type="checkbox"/> |       |            | 15.56  |       | P       | 75.3  |
| 5 | <input type="checkbox"/> |       |            | 26.66  |       | P       | 57.3  |
| 6 | <input type="checkbox"/> |       |            | 47.78  |       | P       | 10.7  |
| 7 | <input type="checkbox"/> |       |            | 97.78  |       | P       | 8.6   |
| 8 | <input type="checkbox"/> |       |            | 187.78 |       | P       | 13.4  |
| 9 | <input type="checkbox"/> |       |            | 817.81 |       | P       | 0.9   |

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

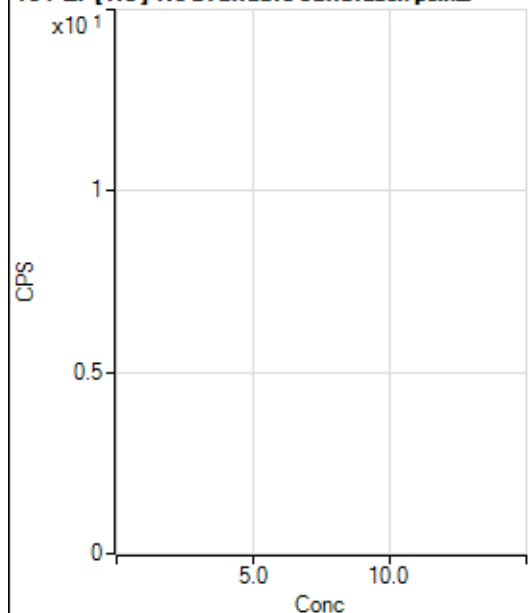
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | De<br>t | RSD  |
|---|--------------------------|-------|------------|---------|-------|---------|------|
| 1 | <input type="checkbox"/> |       |            | 94.45   |       | P       | 44.4 |
| 2 | <input type="checkbox"/> |       |            | 80.56   |       | P       | 15.8 |
| 3 | <input type="checkbox"/> |       |            | 94.45   |       | P       | 43.5 |
| 4 | <input type="checkbox"/> |       |            | 127.78  |       | P       | 27.2 |
| 5 | <input type="checkbox"/> |       |            | 150.00  |       | P       | 20.0 |
| 6 | <input type="checkbox"/> |       |            | 230.56  |       | P       | 15.0 |
| 7 | <input type="checkbox"/> |       |            | 319.46  |       | P       | 10.5 |
| 8 | <input type="checkbox"/> |       |            | 516.69  |       | P       | 14.8 |
| 9 | <input type="checkbox"/> |       |            | 2058.55 |       | P       | 5.7  |

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

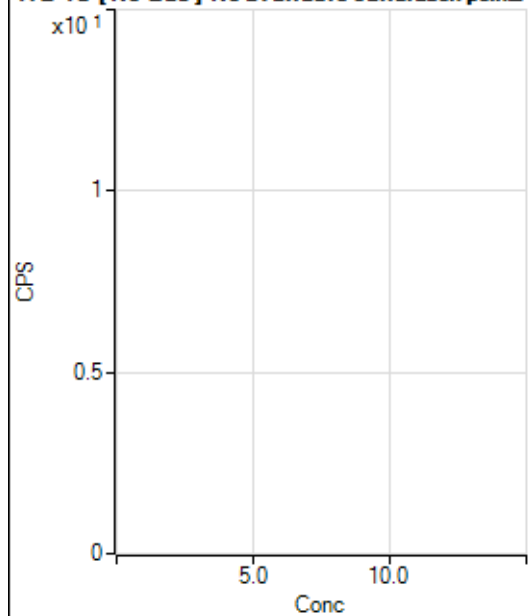
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | De<br>t | RSD  |
|---|--------------------------|-------|------------|---------|-------|---------|------|
| 1 | <input type="checkbox"/> |       |            | 53.33   |       | P       | 6.3  |
| 2 | <input type="checkbox"/> |       |            | 37.78   |       | P       | 27.0 |
| 3 | <input type="checkbox"/> |       |            | 40.00   |       | P       | 28.9 |
| 4 | <input type="checkbox"/> |       |            | 48.89   |       | P       | 21.9 |
| 5 | <input type="checkbox"/> |       |            | 43.33   |       | P       | 40.7 |
| 6 | <input type="checkbox"/> |       |            | 84.45   |       | P       | 30.1 |
| 7 | <input type="checkbox"/> |       |            | 117.78  |       | P       | 14.0 |
| 8 | <input type="checkbox"/> |       |            | 211.11  |       | P       | 11.8 |
| 9 | <input type="checkbox"/> |       |            | 1004.49 |       | P       | 2.7  |

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

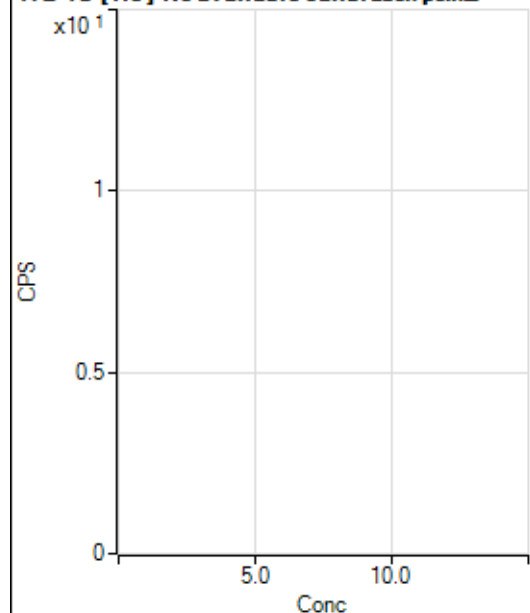
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | De<br>t | RSD  |
|---|--------------------------|-------|------------|--------|-------|---------|------|
| 1 | <input type="checkbox"/> |       |            | 94.45  |       | P       | 53.9 |
| 2 | <input type="checkbox"/> |       |            | 75.00  |       | P       | 11.1 |
| 3 | <input type="checkbox"/> |       |            | 91.67  |       | P       | 48.1 |
| 4 | <input type="checkbox"/> |       |            | 58.34  |       | P       | 14.3 |
| 5 | <input type="checkbox"/> |       |            | 61.11  |       | P       | 43.8 |
| 6 | <input type="checkbox"/> |       |            | 102.78 |       | P       | 36.6 |
| 7 | <input type="checkbox"/> |       |            | 86.11  |       | P       | 20.1 |
| 8 | <input type="checkbox"/> |       |            | 163.89 |       | P       | 15.5 |
| 9 | <input type="checkbox"/> |       |            | 302.79 |       | P       | 18.3 |

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

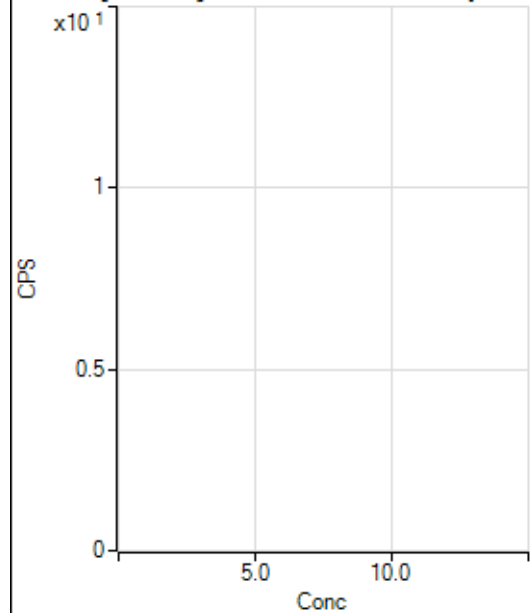
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | De<br>t | RSD  |
|---|--------------------------|-------|------------|--------|-------|---------|------|
| 1 | <input type="checkbox"/> |       |            | 26.67  |       | P       | 33.1 |
| 2 | <input type="checkbox"/> |       |            | 31.11  |       | P       | 16.4 |
| 3 | <input type="checkbox"/> |       |            | 31.11  |       | P       | 37.6 |
| 4 | <input type="checkbox"/> |       |            | 27.78  |       | P       | 6.9  |
| 5 | <input type="checkbox"/> |       |            | 24.44  |       | P       | 20.8 |
| 6 | <input type="checkbox"/> |       |            | 31.11  |       | P       | 40.6 |
| 7 | <input type="checkbox"/> |       |            | 32.22  |       | P       | 48.9 |
| 8 | <input type="checkbox"/> |       |            | 60.00  |       | P       | 34.7 |
| 9 | <input type="checkbox"/> |       |            | 136.67 |       | P       | 17.6 |

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

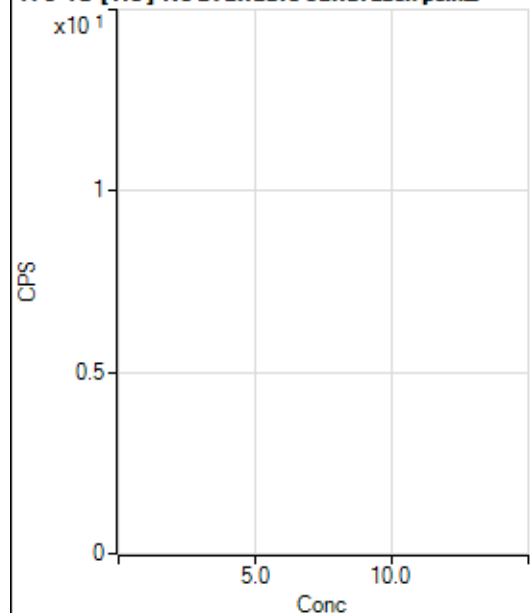
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | De<br>t | RSD   |
|---|--------------------------|-------|------------|-------|-------|---------|-------|
| 1 | <input type="checkbox"/> |       |            | 36.11 |       | P       | 104.1 |
| 2 | <input type="checkbox"/> |       |            | 19.45 |       | P       | 24.7  |
| 3 | <input type="checkbox"/> |       |            | 41.67 |       | P       | 20.0  |
| 4 | <input type="checkbox"/> |       |            | 30.56 |       | P       | 56.8  |
| 5 | <input type="checkbox"/> |       |            | 27.78 |       | P       | 45.8  |
| 6 | <input type="checkbox"/> |       |            | 44.45 |       | P       | 47.2  |
| 7 | <input type="checkbox"/> |       |            | 41.67 |       | P       | 20.0  |
| 8 | <input type="checkbox"/> |       |            | 66.67 |       | P       | 21.7  |
| 9 | <input type="checkbox"/> |       |            | 86.11 |       | P       | 11.2  |

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

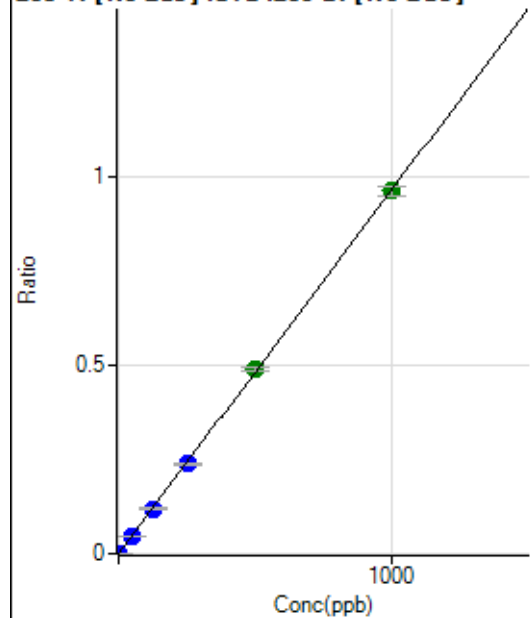
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | De<br>t | RSD   |
|---|--------------------------|-------|------------|-------|-------|---------|-------|
| 1 | <input type="checkbox"/> |       |            | 7.41  |       | P       | 173.2 |
| 2 | <input type="checkbox"/> |       |            | 12.96 |       | P       | 24.8  |
| 3 | <input type="checkbox"/> |       |            | 20.37 |       | P       | 68.6  |
| 4 | <input type="checkbox"/> |       |            | 9.26  |       | P       | 34.6  |
| 5 | <input type="checkbox"/> |       |            | 9.26  |       | P       | 69.2  |
| 6 | <input type="checkbox"/> |       |            | 20.37 |       | P       | 41.7  |
| 7 | <input type="checkbox"/> |       |            | 16.67 |       | P       | 88.2  |
| 8 | <input type="checkbox"/> |       |            | 16.67 |       | P       | 88.2  |
| 9 | <input type="checkbox"/> |       |            | 38.89 |       | P       | 57.1  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | De<br>t | RSD  |
|---|--------------------------|-------|------------|---------|-------|---------|------|
| 1 | <input type="checkbox"/> |       |            | 2130.80 |       | P       | 4.5  |
| 2 | <input type="checkbox"/> |       |            | 2133.58 |       | P       | 12.6 |
| 3 | <input type="checkbox"/> |       |            | 1966.87 |       | P       | 6.7  |
| 4 | <input type="checkbox"/> |       |            | 1789.06 |       | P       | 2.1  |
| 5 | <input type="checkbox"/> |       |            | 2008.54 |       | P       | 7.2  |
| 6 | <input type="checkbox"/> |       |            | 1886.30 |       | P       | 8.7  |
| 7 | <input type="checkbox"/> |       |            | 1886.29 |       | P       | 6.6  |
| 8 | <input type="checkbox"/> |       |            | 2061.32 |       | P       | 4.5  |
| 9 | <input type="checkbox"/> |       |            | 1927.97 |       | P       | 2.2  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | De<br>t | RSD  |
|---|--------------------------|-------|------------|---------|-------|---------|------|
| 1 | <input type="checkbox"/> |       |            | 1985.36 |       | P       | 10.7 |
| 2 | <input type="checkbox"/> |       |            | 1559.38 |       | P       | 6.5  |
| 3 | <input type="checkbox"/> |       |            | 1337.13 |       | P       | 2.9  |
| 4 | <input type="checkbox"/> |       |            | 1109.32 |       | P       | 11.5 |
| 5 | <input type="checkbox"/> |       |            | 1103.77 |       | P       | 18.8 |
| 6 | <input type="checkbox"/> |       |            | 1109.33 |       | P       | 8.0  |
| 7 | <input type="checkbox"/> |       |            | 1064.88 |       | P       | 4.7  |
| 8 | <input type="checkbox"/> |       |            | 996.35  |       | P       | 6.4  |
| 9 | <input type="checkbox"/> |       |            | 1068.58 |       | P       | 13.3 |

**203 Tl [No Gas] ISTD :209 Bi [No Gas]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 613.92     | 0.0001 | P       | 15.3 |
| 2 | <input type="checkbox"/> | 0.100    | 0.097      | 1186.20    | 0.0002 | P       | 7.1  |
| 3 | <input type="checkbox"/> | 1.000    | 1.032      | 6543.50    | 0.0011 | P       | 1.6  |
| 4 | <input type="checkbox"/> | 50.000   | 48.477     | 288971.80  | 0.0468 | P       | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 123.351    | 728912.41  | 0.1188 | P       | 1.8  |
| 6 | <input type="checkbox"/> | 250.000  | 246.174    | 1448123.40 | 0.2371 | P       | 1.5  |
| 7 | <input type="checkbox"/> | 500.000  | 506.139    | 3010171.49 | 0.4873 | A       | 2.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.169    | 5754933.50 | 0.9609 | A       | 2.9  |
| 9 | <input type="checkbox"/> |          |            | 1330.66    | 0.0002 | P       | 3.3  |

$$y = 9.6255E-004 * x + 1.0093E-004$$

$$R = 1.0000$$

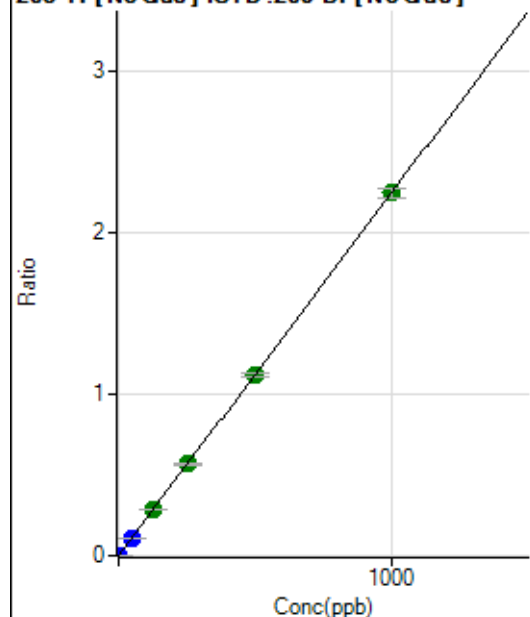
$$DL = 0.04827$$

$$BEC = 0.1049$$

Weight: &lt;None&gt;

Min Conc: 0

205 Tl [No Gas] ISTD :209 Bi [No Gas]



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1433.46     | 0.0002 | P       | 5.7 |
| 2 | <input type="checkbox"/> | 0.100    | 0.094      | 2728.16     | 0.0004 | P       | 8.4 |
| 3 | <input type="checkbox"/> | 1.000    | 1.038      | 15339.97    | 0.0026 | P       | 2.0 |
| 4 | <input type="checkbox"/> | 50.000   | 48.341     | 672387.54   | 0.1089 | P       | 3.7 |
| 5 | <input type="checkbox"/> | 125.000  | 128.049    | 1766306.90  | 0.2880 | A       | 1.3 |
| 6 | <input type="checkbox"/> | 250.000  | 252.001    | 3460681.11  | 0.5665 | A       | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 498.596    | 6922160.57  | 1.1205 | A       | 2.0 |
| 8 | <input type="checkbox"/> | 1000.000 | 999.903    | 13458130.34 | 2.2469 | A       | 2.3 |
| 9 | <input type="checkbox"/> |          |            | 3256.04     | 0.0006 | P       | 5.8 |

$$y = 0.0022 * x + 2.3527E-004$$

$$R = 1.0000$$

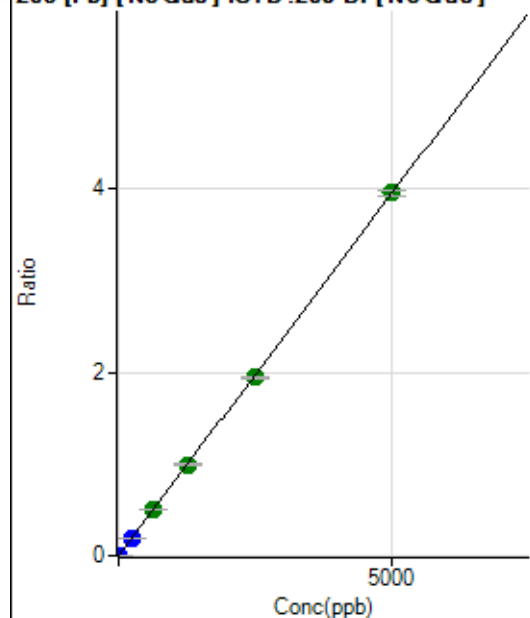
$$DL = 0.01788$$

$$BEC = 0.1047$$

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  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 511.13      | 0.0001 | P       | 7.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.135      | 1164.89     | 0.0002 | P       | 8.6 |
| 3 | <input type="checkbox"/> | 1.000    | 1.022      | 5321.55     | 0.0009 | P       | 2.6 |
| 4 | <input type="checkbox"/> | 250.000  | 234.269    | 1142541.53  | 0.1850 | P       | 3.2 |
| 5 | <input type="checkbox"/> | 625.000  | 640.051    | 3099021.08  | 0.5052 | A       | 1.0 |
| 6 | <input type="checkbox"/> | 1250.000 | 1253.991   | 6045528.61  | 0.9897 | A       | 2.1 |
| 7 | <input type="checkbox"/> | 2500.000 | 2465.452   | 12021109.76 | 1.9457 | A       | 0.9 |
| 8 | <input type="checkbox"/> | 5000.000 | 5015.181   | 23705524.14 | 3.9577 | A       | 1.9 |
| 9 | <input type="checkbox"/> |          |            | 21156.36    | 0.0038 | P       | 1.1 |

$$y = 7.8914E-004 * x + 8.3978E-005$$

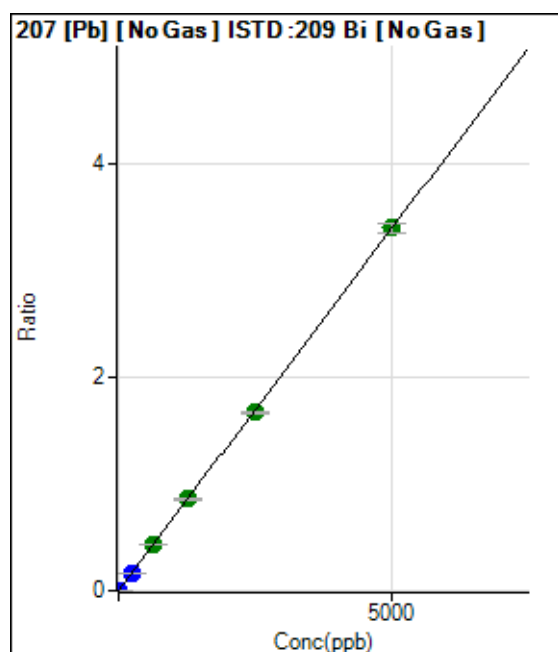
$$R = 1.0000$$

$$DL = 0.02507$$

$$BEC = 0.1064$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 520.39      | 0.0001 | P       | 12.8 |
| 2 | <input type="checkbox"/> | 0.100    | 0.117      | 1005.62     | 0.0002 | P       | 2.7  |
| 3 | <input type="checkbox"/> | 1.000    | 1.003      | 4576.83     | 0.0008 | P       | 3.5  |
| 4 | <input type="checkbox"/> | 250.000  | 239.112    | 1002955.03  | 0.1623 | P       | 2.8  |
| 5 | <input type="checkbox"/> | 625.000  | 645.529    | 2687615.74  | 0.4381 | A       | 1.0  |
| 6 | <input type="checkbox"/> | 1250.000 | 1263.893   | 5239724.83  | 0.8578 | A       | 1.7  |
| 7 | <input type="checkbox"/> | 2500.000 | 2459.271   | 10310868.75 | 1.6689 | A       | 0.2  |
| 8 | <input type="checkbox"/> | 5000.000 | 5014.870   | 20383169.67 | 3.4031 | A       | 2.3  |
| 9 | <input type="checkbox"/> |          |            | 18502.34    | 0.0033 | P       | 1.0  |

$$y = 6.7859E-004 * x + 8.5409E-005$$

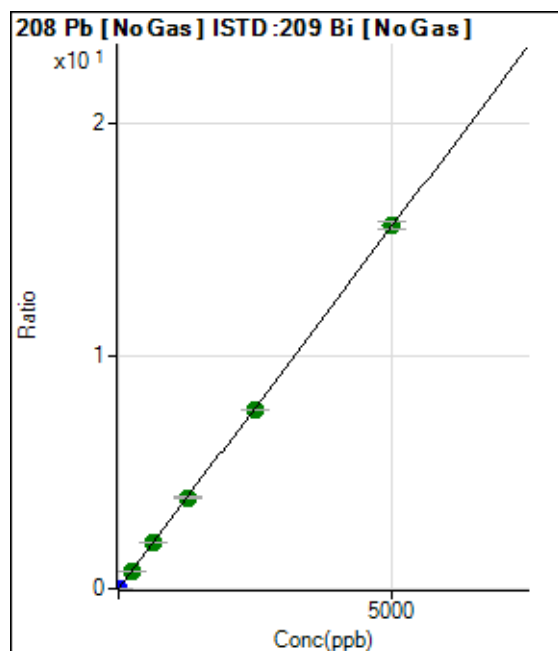
$$R = 0.9999$$

$$DL = 0.04843$$

$$BEC = 0.1259$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio   | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|---------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2194.56     | 0.0004  | P       | 3.1 |
| 2 | <input type="checkbox"/> | 0.100    | 0.127      | 4609.68     | 0.0008  | P       | 1.9 |
| 3 | <input type="checkbox"/> | 1.000    | 1.010      | 20940.31    | 0.0035  | P       | 2.1 |
| 4 | <input type="checkbox"/> | 250.000  | 245.526    | 4724441.04  | 0.7648  | A       | 3.2 |
| 5 | <input type="checkbox"/> | 625.000  | 640.872    | 12241955.66 | 1.9957  | A       | 0.4 |
| 6 | <input type="checkbox"/> | 1250.000 | 1254.984   | 23872606.03 | 3.9077  | A       | 1.3 |
| 7 | <input type="checkbox"/> | 2500.000 | 2466.361   | 47442889.95 | 7.6792  | A       | 0.3 |
| 8 | <input type="checkbox"/> | 5000.000 | 5013.813   | 93501726.40 | 15.6105 | A       | 2.0 |
| 9 | <input type="checkbox"/> |          |            | 83901.13    | 0.0151  | P       | 1.3 |

$$y = 0.0031 * x + 3.6036E-004$$

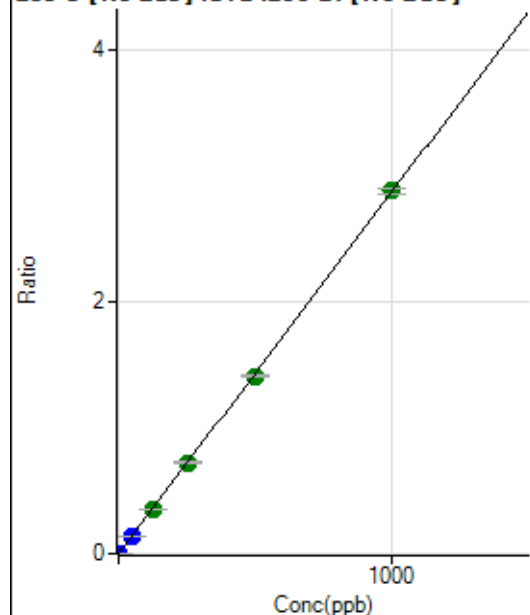
$$R = 1.0000$$

$$DL = 0.01087$$

$$BEC = 0.1157$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 13.89       | 0.0000 | P       | 92.3 |
| 2 | <input type="checkbox"/> | 0.100    | 0.099      | 1744.62     | 0.0003 | P       | 13.5 |
| 3 | <input type="checkbox"/> | 1.000    | 0.994      | 17053.68    | 0.0029 | P       | 1.2  |
| 4 | <input type="checkbox"/> | 50.000   | 46.344     | 821514.59   | 0.1330 | P       | 2.1  |
| 5 | <input type="checkbox"/> | 125.000  | 121.671    | 2141134.96  | 0.3491 | A       | 1.3  |
| 6 | <input type="checkbox"/> | 250.000  | 252.343    | 4422622.41  | 0.7239 | A       | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 491.742    | 8715754.36  | 1.4107 | A       | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.142   | 17254857.85 | 2.8807 | A       | 1.4  |
| 9 | <input type="checkbox"/> |          |            | 1891.86     | 0.0003 | P       | 1.6  |

$$y = 0.0029 * x + 2.2798E-006$$

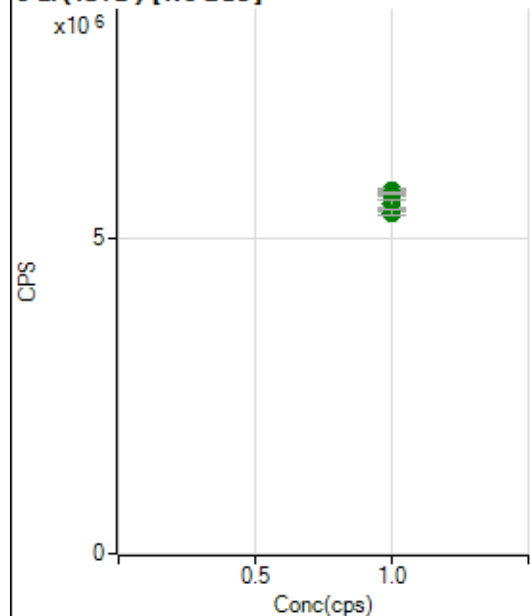
$$R = 0.9999$$

$$DL = 0.0022$$

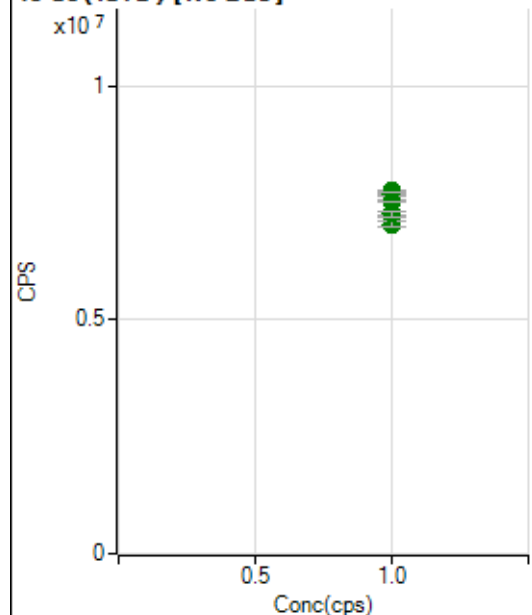
$$BEC = 0.0007947$$

Weight: &lt;None&gt;

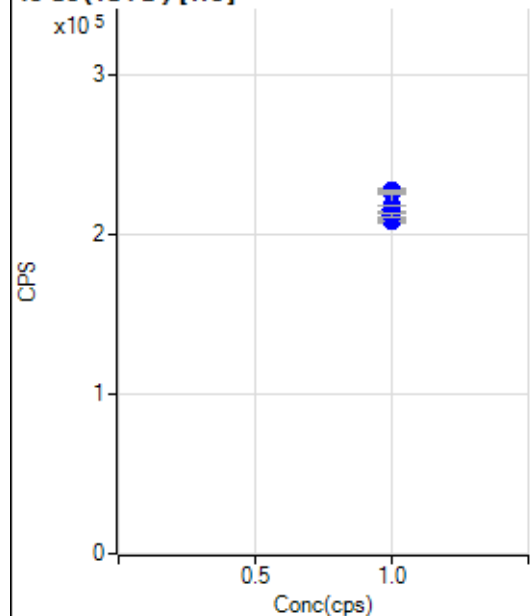
Min Conc: 0

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

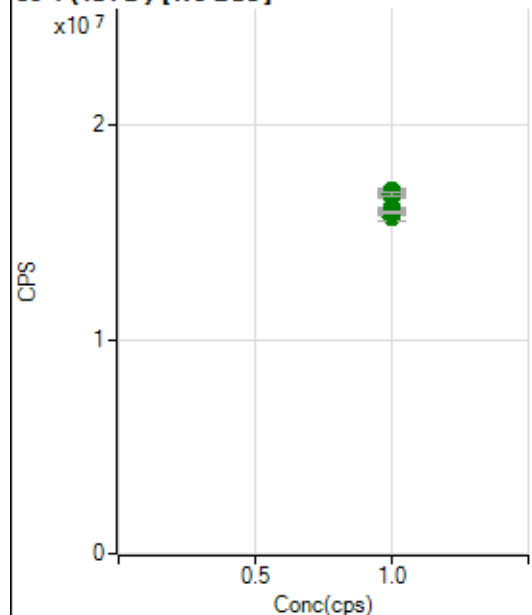
|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5680617.77 |       | A       | 1.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5746555.66 |       | A       | 2.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5769187.68 |       | A       | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5721134.75 |       | A       | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5729164.48 |       | A       | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5726253.68 |       | A       | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5561198.45 |       | A       | 2.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5407925.07 |       | A       | 1.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5424895.59 |       | A       | 1.3 |

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

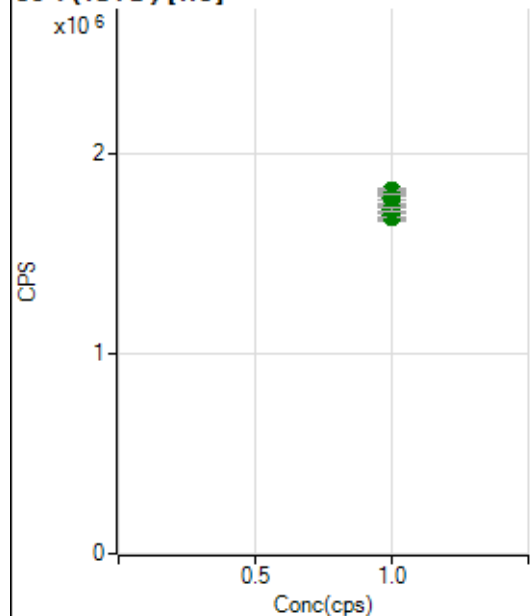
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7542220.79 |       | A       | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7750921.69 |       | A       | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7627500.44 |       | A       | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7705786.00 |       | A       | 2.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7671761.20 |       | A       | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7528859.89 |       | A       | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7194754.20 |       | A       | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7045256.35 |       | A       | 1.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7251580.66 |       | A       | 1.6 |

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

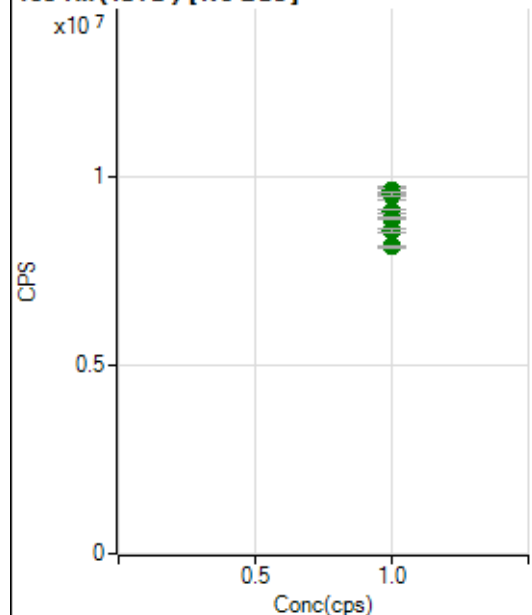
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-----------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 226179.93 |       | P       | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 226140.84 |       | P       | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 227254.15 |       | P       | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 225959.31 |       | P       | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 218467.80 |       | P       | 7.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 216154.74 |       | P       | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 208755.04 |       | P       | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 208827.88 |       | P       | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 212099.57 |       | P       | 0.8 |

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

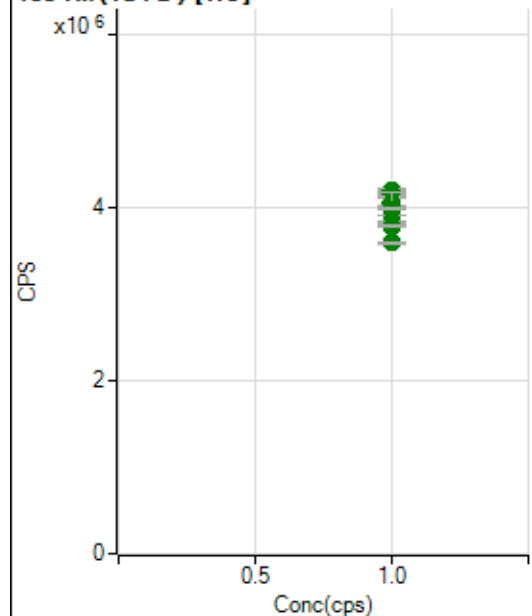
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 16665810.59 |       | A       | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 16930108.64 |       | A       | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 16815390.86 |       | A       | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 16838389.33 |       | A       | 1.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 16772151.69 |       | A       | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 16127916.57 |       | A       | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 15934658.51 |       | A       | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 15661824.49 |       | A       | 1.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 15913726.99 |       | A       | 0.5 |

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

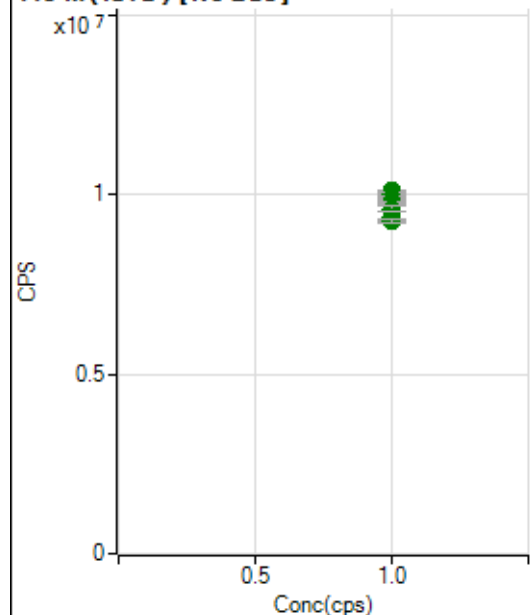
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1807371.07 |       | A       | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1818019.89 |       | A       | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1803627.49 |       | A       | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1786593.91 |       | A       | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1736752.82 |       | A       | 8.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1751564.87 |       | A       | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1683417.87 |       | A       | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1693338.76 |       | A       | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1723541.99 |       | A       | 0.8 |

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

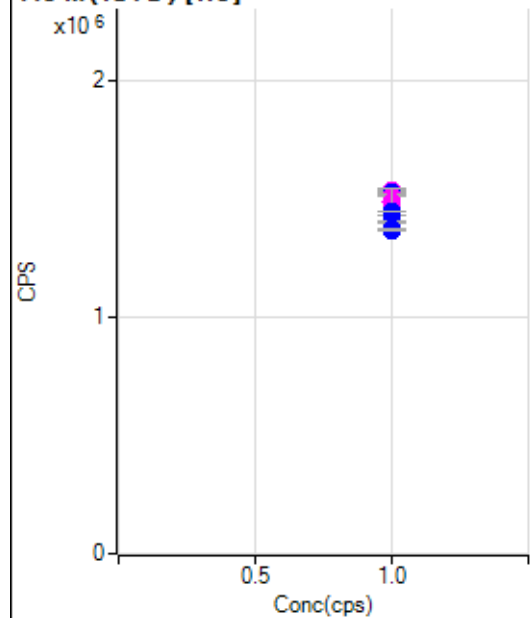
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9487750.73 |       | A       | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9644878.77 |       | A       | 2.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9576421.57 |       | A       | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9647092.40 |       | A       | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9561279.81 |       | A       | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9105733.11 |       | A       | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8918401.42 |       | A       | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8598125.80 |       | A       | 1.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8177449.49 |       | A       | 0.6 |

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

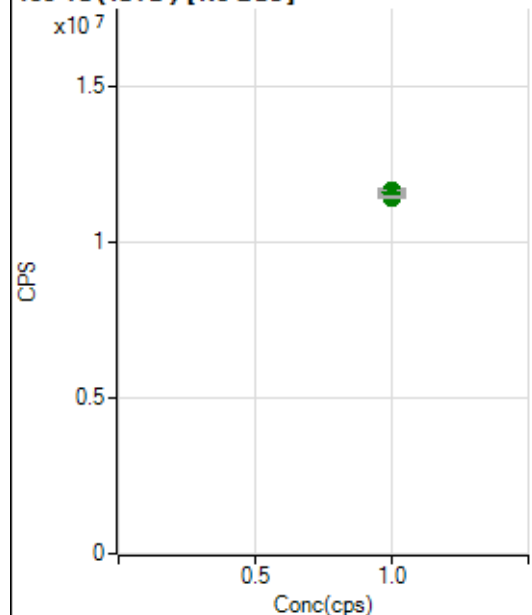
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4182540.32 |       | A       | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4197347.68 |       | A       | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4164990.81 |       | A       | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4073754.56 |       | A       | 1.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4044320.67 |       | A       | 6.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3986047.96 |       | A       | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3839864.52 |       | A       | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3787881.23 |       | A       | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3595986.30 |       | A       | 0.5 |

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

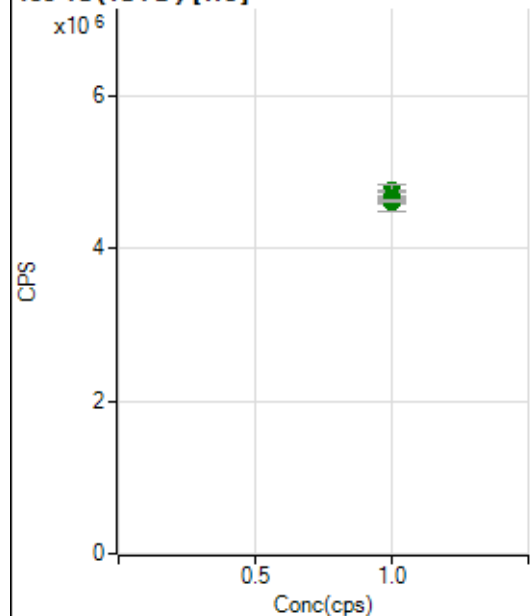
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9940815.22  |       | A       | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9968864.36  |       | A       | 2.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10102283.10 |       | A       | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9989671.05  |       | A       | 1.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9925983.35  |       | A       | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9791453.56  |       | A       | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9604531.81  |       | A       | 2.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9388609.76  |       | A       | 2.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9250707.91  |       | A       | 1.0 |

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

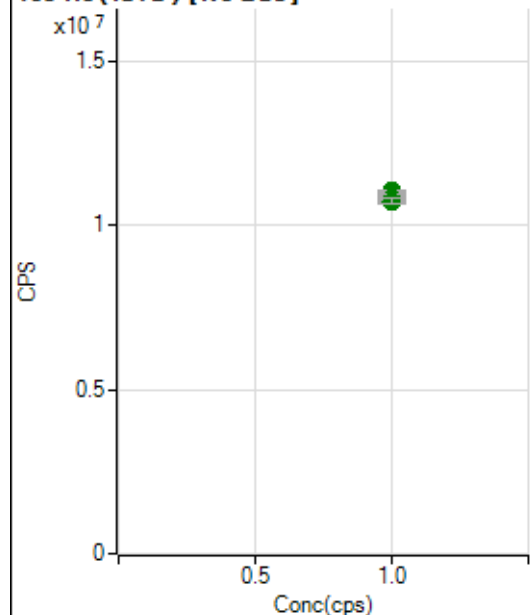
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1531256.63 |       | M       | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1522937.91 |       | P       | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1516479.53 |       | P       | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1512844.85 |       | M       | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1484436.86 |       | M       | 7.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1446993.00 |       | P       | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1402100.61 |       | P       | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1367201.33 |       | P       | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1367944.34 |       | P       | 0.4 |

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

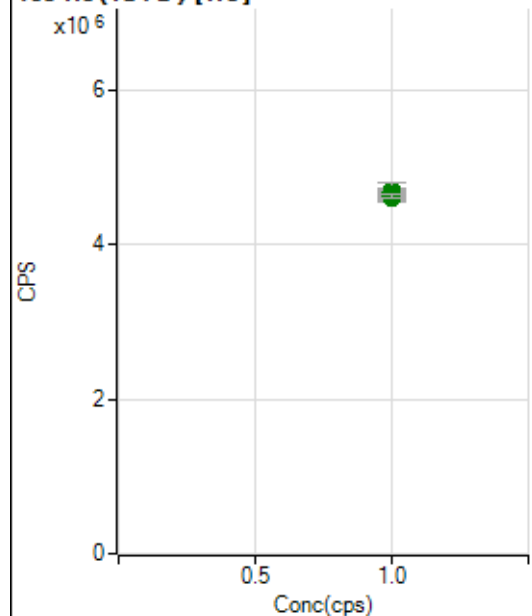
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11506881.64 |       | A       | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 11536957.19 |       | A       | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 11533765.80 |       | A       | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11568410.94 |       | A       | 2.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11621110.10 |       | A       | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11457289.27 |       | A       | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11625582.74 |       | A       | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11562240.11 |       | A       | 1.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 11412024.55 |       | A       | 0.5 |

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

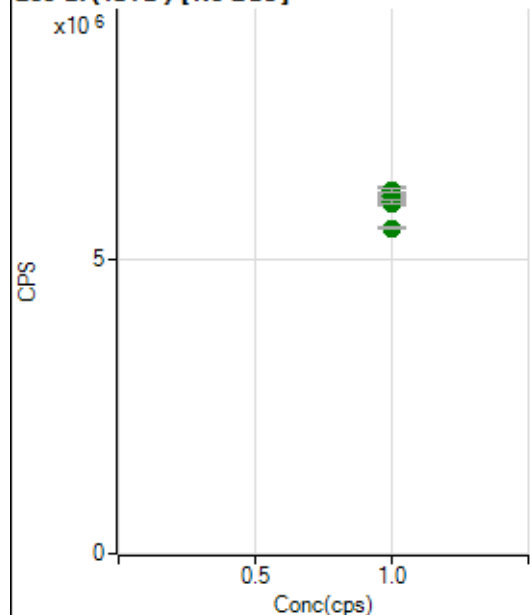
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4668645.38 |       | A       | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4749498.68 |       | A       | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4685677.43 |       | A       | 1.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4638139.93 |       | A       | 2.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4656510.14 |       | A       | 7.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4662708.50 |       | A       | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4651370.10 |       | A       | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4615937.50 |       | A       | 1.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4619635.87 |       | A       | 0.5 |

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

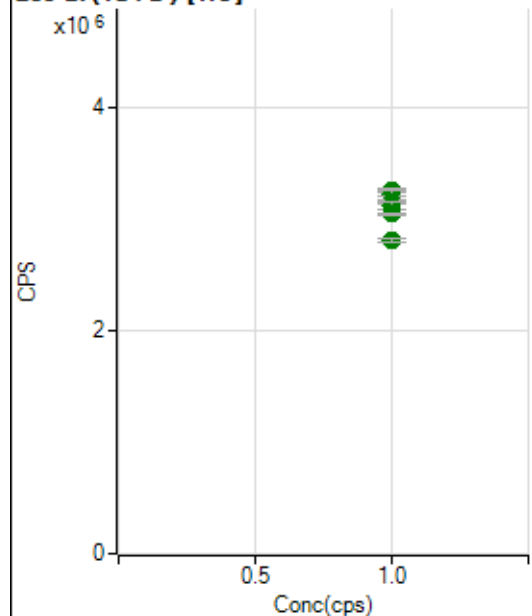
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10821672.55 |       | A       | 2.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10815601.11 |       | A       | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10888464.74 |       | A       | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10993084.62 |       | A       | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10952356.93 |       | A       | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10723624.37 |       | A       | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11054667.78 |       | A       | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10853784.45 |       | A       | 2.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 10749924.11 |       | A       | 1.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4692330.42 |       | A       | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4692133.37 |       | A       | 1.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4681444.51 |       | A       | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4651889.89 |       | A       | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4671001.87 |       | A       | 5.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4648780.56 |       | A       | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4593445.73 |       | A       | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4605242.99 |       | A       | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4628363.27 |       | A       | 0.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6090908.38 |       | A       | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6111462.96 |       | A       | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5976507.41 |       | A       | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6181022.13 |       | A       | 2.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6134336.64 |       | A       | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6109417.20 |       | A       | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6178227.27 |       | A       | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5990436.09 |       | A       | 1.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5547692.14 |       | A       | 0.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3226064.19 |       | A       | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3256590.57 |       | A       | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3234126.20 |       | A       | 1.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3179190.54 |       | A       | 2.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3164236.17 |       | A       | 6.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3161299.19 |       | A       | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3123742.45 |       | A       | 1.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3048701.17 |       | A       | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2810701.07 |       | A       | 1.0 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8070721 MS.b  
Acq. Date-Time 2021-07-07 09:57:56  
Report Comment ---  
Instrument Name G8403A SG19224459

[No Gas]

## Sensitivity

| Mass | Conc. [ug/l] | Count  | CPS        | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%   | RSD% (Required) |
|------|--------------|--------|------------|----------------------------|-------------|--------|-----------------|
| 9    |              | 19144  | 191441.27  |                            |             | 0.749  | 5.000           |
| 24   |              | 145077 | 1450769.97 |                            |             | 0.842  | 5.000           |
| 25   |              | 20449  | 204493.19  |                            |             | 0.427  | 5.000           |
| 26   |              | 24204  | 242035.41  |                            |             | 0.564  | 5.000           |
| 59   |              | 27955  | 279552.11  |                            |             | 0.229  | 5.000           |
| 113  |              | 12978  | 129784.43  |                            |             | 0.665  | 5.000           |
| 115  |              | 40044  | 400436.09  |                            |             | 1.803  | 5.000           |
| 206  |              | 14359  | 143592.98  |                            |             | 0.603  | 5.000           |
| 207  |              | 11880  | 118804.93  |                            |             | 0.921  | 5.000           |
| 208  |              | 29294  | 292937.66  |                            |             | 0.835  | 5.000           |
| 220  |              | 0      | 4.00       |                            |             | 17.678 |                 |

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

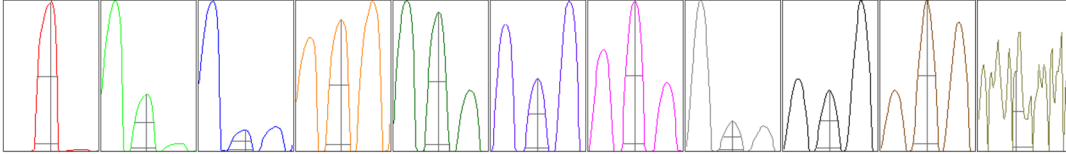
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 19230       | 18996       | 19349       | 19095       | 19052       |
| 24   | 143628      | 146737      | 145310      | 144164      | 145546      |
| 25   | 20532       | 20376       | 20514       | 20337       | 20488       |
| 26   | 24070       | 24051       | 24234       | 24327       | 24335       |
| 59   | 27875       | 28009       | 27966       | 27904       | 28021       |
| 113  | 12873       | 12968       | 13067       | 12920       | 13064       |
| 115  | 40976       | 40537       | 39991       | 39242       | 39473       |
| 206  | 14280       | 14430       | 14418       | 14251       | 14417       |
| 207  | 11725       | 11894       | 11970       | 11823       | 11991       |
| 208  | 29063       | 29182       | 29651       | 29135       | 29438       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 32271.45    | 9.00   | 8.90 - 9.10     |             |
| 24   | 252895.43   | 23.95  | 23.90 - 24.10   |             |
| 25   | 35055.56    | 25.00  | 24.90 - 25.10   |             |
| 26   | 40593.79    | 25.95  | 25.90 - 26.10   |             |
| 59   | 51234.39    | 58.95  | 58.90 - 59.10   |             |
| 113  | 25448.53    | 113.00 | 112.90 - 113.10 |             |
| 115  | 77683.94    | 115.00 | 114.90 - 115.10 |             |
| 206  | 27259.17    | 206.00 | 205.90 - 206.10 |             |
| 207  | 22621.46    | 207.00 | 206.90 - 207.10 |             |
| 208  | 56111.11    | 208.00 | 207.90 - 208.10 |             |
| 220  | 0.50        | 219.75 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.62  | 0.741 | 0.900           |             |
| 24   | 0.61  | 0.783 | 0.900           |             |
| 25   | 0.61  | 0.784 | 0.900           |             |
| 26   | 0.62  | 0.782 | 0.900           |             |
| 59   | 0.57  | 0.775 | 0.900           |             |
| 113  | 0.54  | 0.734 | 0.900           |             |
| 115  | 0.54  | 0.693 | 0.900           |             |
| 206  | 0.56  | 0.782 | 0.900           |             |
| 207  | 0.56  | 0.786 | 0.900           |             |
| 208  | 0.55  | 0.803 | 0.900           |             |
| 220  | 0.32  | 0.644 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.75 L/min Dilution Gas 0.40 L/min

# US EPA Tune Check Report

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

## Lens Parameters

|            |          |               |       |            |        |
|------------|----------|---------------|-------|------------|--------|
| Extract 1  | -6.0 V   | Omega Lens    | 9.1 V | Deflect    | 16.2 V |
| Extract 2  | -145.0 V | Cell Entrance | -30 V | Plate Bias | -50 V  |
| Omega Bias | -90 V    | Cell Exit     | -50 V |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 4.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 160 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 0.9995 | QP Bias | -4.0 V |
| Mass Offset | 125 | Axis Offset | -0.05  |         |        |

## Hardware Settings

### Torch

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

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.0 mV | Analog HV | 2207 V | Pulse HV | 1535 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 5904  | 59040.47  |                            |             | 0.631 |                 |
| 89   |              | 27826 | 278256.56 |                            |             | 0.593 |                 |
| 205  |              | 37222 | 372222.89 |                            |             | 0.731 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 5945        | 5867        | 5905        | 5866        | 5937        |
| 89   | 27969       | 27690       | 28009       | 27635       | 27825       |
| 205  | 37592       | 36995       | 37234       | 36927       | 37363       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

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

### Lens Parameters

|           |        |            |       |         |       |
|-----------|--------|------------|-------|---------|-------|
| Extract 1 | -6.0 V | Omega Lens | 9.1 V | Deflect | 3.8 V |
|-----------|--------|------------|-------|---------|-------|

# US EPA Tune Check Report

|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -145.0 V   | Cell Entrance | -50 V   | Plate Bias            | -60 V   |
| Omega Bias               | -90 V      | Cell Exit     | -70 V   |                       |         |
| <b>Cell Parameters</b>   |            |               |         |                       |         |
| Use Gas                  | Yes        | 3rd Gas Flow  | ---     | Energy Discrimination | 5.0 V   |
| He Flow                  | 4.5 mL/min | OctP Bias     | -18.0 V |                       |         |
| H2 Flow                  | ---        | OctP RF       | 190 V   |                       |         |
| <b>QP Parameters</b>     |            |               |         |                       |         |
| Mass Gain                | 123        | Axis Gain     | 0.9995  | QP Bias               | -13.0 V |
| Mass Offset              | 125        | Axis Offset   | -0.05   |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | 1.0 mm     | Torch V       | -0.8 mm |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 4.0 mV     | Analog HV     | 2207 V  | Pulse HV              | 1535 V  |