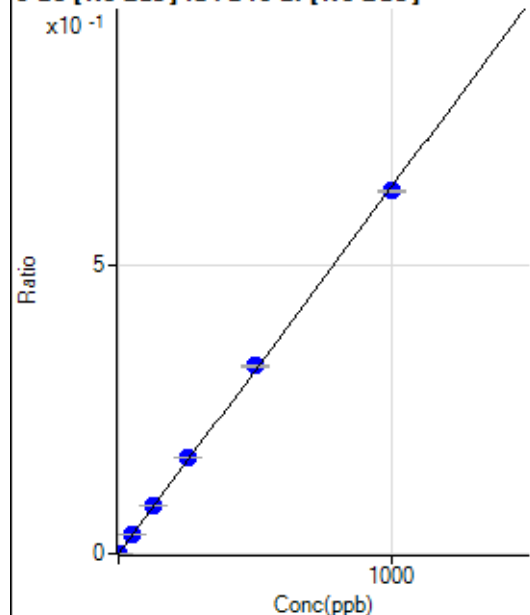


Batch Folder: D:\ICP-MS Data\1\DATA\P7072020B.b\  
Analysis File: P7072020B.batch.bin  
DA Date-Time: 2020-07-20 14:40:50  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2020-07-20 10:40:56 |
| 2     | 004CALS.d          | S01         | 2020-07-20 10:44:39 |
| 3     | 005CALS.d          | S02         | 2020-07-20 10:49:32 |
| 4     | 006CALS.d          | S03         | 2020-07-20 10:53:38 |
| 5     | 007CALS.d          | S04         | 2020-07-20 10:57:48 |
| 6     | 008CALS.d          | S05         | 2020-07-20 11:01:38 |
| 7     | 009CALS.d          | S06         | 2020-07-20 11:05:19 |
| 8     | 010CALS.d          | S07         | 2020-07-20 11:08:54 |
| 9     | 011CALS.d          | S08         | 2020-07-20 11:12:27 |

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 96.30      | 0.0000 | P    | 8.6  |
| 2 | <input type="checkbox"/> | 0.100    | 0.111      | 390.76     | 0.0001 | P    | 19.1 |
| 3 | <input type="checkbox"/> | 1.000    | 0.974      | 2815.16    | 0.0006 | P    | 3.7  |
| 4 | <input type="checkbox"/> | 50.000   | 54.443     | 148603.69  | 0.0346 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 125.000  | 131.618    | 356743.30  | 0.0835 | P    | 1.6  |
| 6 | <input type="checkbox"/> | 250.000  | 261.927    | 693825.85  | 0.1662 | P    | 1.7  |
| 7 | <input type="checkbox"/> | 500.000  | 512.699    | 1325891.91 | 0.3254 | P    | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.619    | 2504430.15 | 0.6280 | P    | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 529.65     | 0.0001 | P    | 15.7 |

$$y = 6.3460\text{E-}004 * x + 2.1920\text{E-}005$$

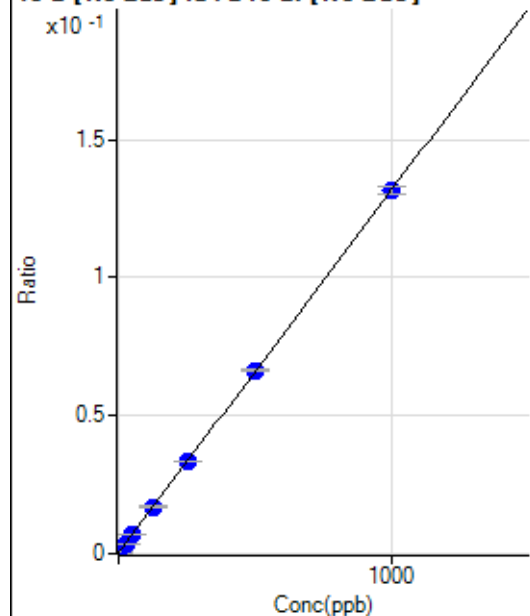
$$R = 0.9998$$

$$DL = 0.008952$$

$$BEC = 0.03454$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1419.57   | 0.0003 | P    | 10.4 |
| 2 | <input type="checkbox"/> | 2.500    | 2.321      | 2664.24   | 0.0006 | P    | 4.0  |
| 3 | <input type="checkbox"/> | 25.000   | 22.278     | 14296.12  | 0.0033 | P    | 1.7  |
| 4 | <input type="checkbox"/> | 50.000   | 51.504     | 30475.94  | 0.0071 | P    | 2.1  |
| 5 | <input type="checkbox"/> | 125.000  | 127.047    | 72661.42  | 0.0170 | P    | 2.1  |
| 6 | <input type="checkbox"/> | 250.000  | 251.712    | 139401.08 | 0.0334 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 502.886    | 270590.64 | 0.0664 | P    | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.867    | 524134.60 | 0.1314 | P    | 2.0  |
| 9 | <input type="checkbox"/> |          |            | 17407.79  | 0.0048 | P    | 5.9  |

$$y = 1.3140\text{E-}004 * x + 3.2315\text{E-}004$$

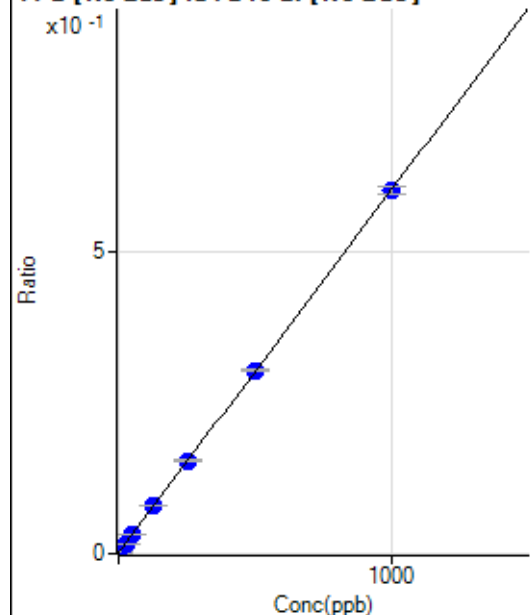
$$R = 1.0000$$

$$DL = 0.7657$$

$$BEC = 2.459$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6465.53    | 0.0015 | P   | 3.5 |
| 2 | <input type="checkbox"/> | 2.500    | 2.516      | 12664.12   | 0.0030 | P   | 3.5 |
| 3 | <input type="checkbox"/> | 25.000   | 23.227     | 67984.06   | 0.0155 | P   | 1.0 |
| 4 | <input type="checkbox"/> | 50.000   | 51.950     | 140784.03  | 0.0328 | P   | 1.8 |
| 5 | <input type="checkbox"/> | 125.000  | 128.884    | 337684.10  | 0.0791 | P   | 1.6 |
| 6 | <input type="checkbox"/> | 250.000  | 253.898    | 644274.72  | 0.1544 | P   | 0.9 |
| 7 | <input type="checkbox"/> | 500.000  | 502.804    | 1239785.27 | 0.3042 | P   | 0.9 |
| 8 | <input type="checkbox"/> | 1000.000 | 997.085    | 2399962.12 | 0.6019 | P   | 2.3 |
| 9 | <input type="checkbox"/> |          |            | 82360.88   | 0.0227 | P   | 4.9 |

$$y = 6.0217\text{E-}004 * x + 0.0015$$

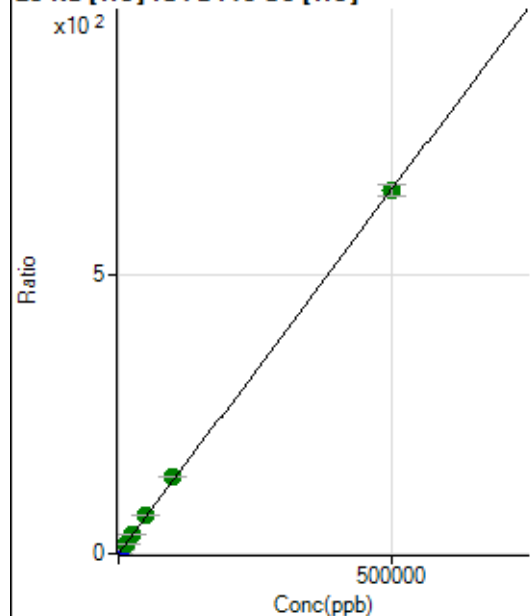
$$R = 1.0000$$

$$DL = 0.2601$$

$$BEC = 2.444$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 20034.75    | 0.0530   | P   | 5.3 |
| 2 | <input type="checkbox"/> | 5.000     | 52.557     | 46051.57    | 0.1216   | P   | 6.7 |
| 3 | <input type="checkbox"/> | 500.000   | 505.744    | 283510.94   | 0.7134   | P   | 0.8 |
| 4 | <input type="checkbox"/> | 5000.000  | 5515.444   | 2768489.73  | 7.2548   | P   | 0.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 13554.377  | 6525448.82  | 17.7517  | A   | 1.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 26343.326  | 12384192.00 | 34.4510  | A   | 0.6 |
| 7 | <input type="checkbox"/> | 50000.000 | 52770.028  | 24396481.56 | 68.9579  | A   | 1.0 |
| 8 | <input type="checkbox"/> | 100000.00 | 105143.33  | 47953258.76 | 137.3448 | A   | 0.3 |
| 9 | <input type="checkbox"/> | 500000.00 | 498595.64  | 229233319.0 | 651.0984 | A   | 3.3 |

$$y = 0.0013 * x + 0.0530$$

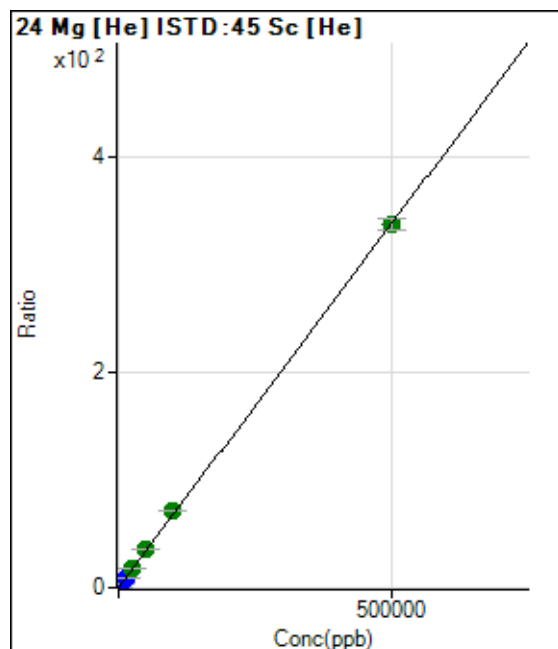
$$R = 0.9999$$

$$DL = 6.508$$

$$BEC = 40.58$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1699.77     | 0.0045   | P    | 5.8 |
| 2 | <input type="checkbox"/> | 5.000     | 55.450     | 15872.61    | 0.0419   | P    | 6.8 |
| 3 | <input type="checkbox"/> | 500.000   | 519.831    | 141202.90   | 0.3553   | P    | 1.5 |
| 4 | <input type="checkbox"/> | 5000.000  | 5706.354   | 1471259.57  | 3.8555   | P    | 0.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 13859.193  | 3439812.63  | 9.3575   | P    | 1.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 26879.756  | 6522481.54  | 18.1445  | A    | 0.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 53225.957  | 12709917.34 | 35.9244  | A    | 0.6 |
| 8 | <input type="checkbox"/> | 100000.00 | 104882.14  | 24714189.68 | 70.7849  | A    | 0.7 |
| 9 | <input type="checkbox"/> | 500000.00 | 498565.92  | 118459208.2 | 336.4650 | A    | 3.3 |

$$y = 6.7486\text{E-}004 * x + 0.0045$$

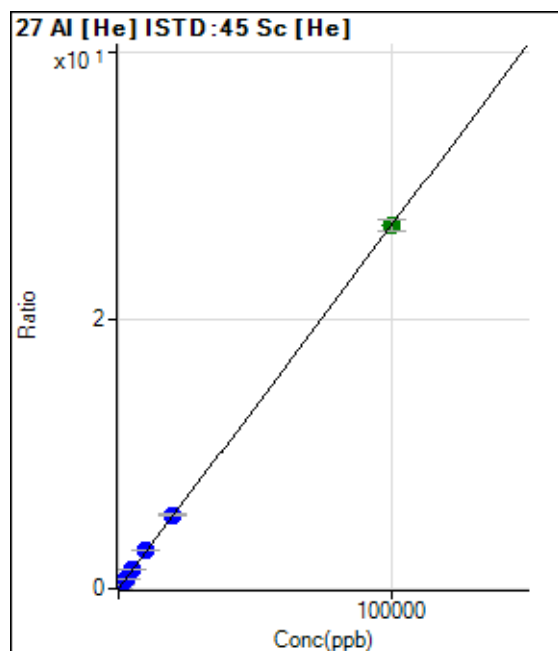
$$R = 0.9999$$

$$DL = 1.154$$

$$BEC = 6.661$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 57.99      | 0.0002  | P    | 17.6 |
| 2 | <input type="checkbox"/> | 2.000     | 1.941      | 257.96     | 0.0007  | P    | 6.8  |
| 3 | <input type="checkbox"/> | 20.000    | 20.283     | 2242.40    | 0.0056  | P    | 1.8  |
| 4 | <input type="checkbox"/> | 1000.000  | 1071.391   | 110666.66  | 0.2900  | P    | 0.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2706.019   | 269158.05  | 0.7322  | P    | 1.9  |
| 6 | <input type="checkbox"/> | 5000.000  | 5241.610   | 509800.37  | 1.4182  | P    | 0.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 10356.980  | 991382.79  | 2.8021  | P    | 0.6  |
| 8 | <input type="checkbox"/> | 20000.000 | 20354.787  | 1922672.52 | 5.5069  | P    | 0.5  |
| 9 | <input type="checkbox"/> | 100000.00 | 99875.400  | 9513085.40 | 27.0200 | A    | 3.2  |

$$y = 2.7054\text{E-}004 * x + 1.5389\text{E-}004$$

$$R = 1.0000$$

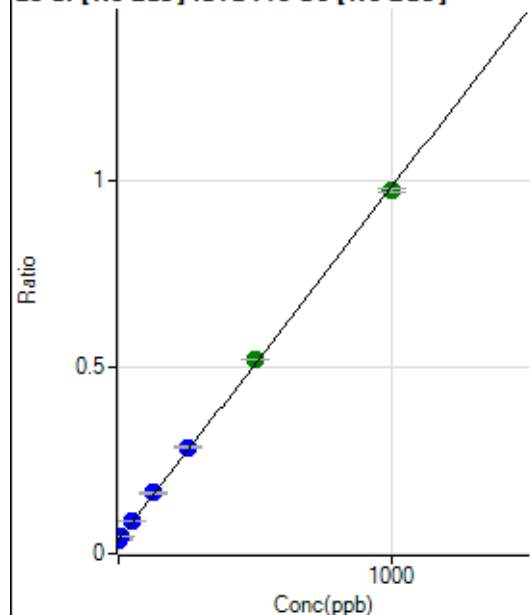
$$DL = 0.2999$$

$$BEC = 0.5689$$

Weight: <None>

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 369991.66  | 0.0357 | P    | 1.6 |
| 2 | <input type="checkbox"/> | 1.000    | 2.975      | 381858.12  | 0.0385 | P    | 0.6 |
| 3 | <input type="checkbox"/> | 10.000   | 10.312     | 459292.65  | 0.0454 | P    | 0.8 |
| 4 | <input type="checkbox"/> | 50.000   | 55.195     | 871098.79  | 0.0878 | P    | 1.8 |
| 5 | <input type="checkbox"/> | 125.000  | 134.949    | 1572654.20 | 0.1632 | P    | 2.2 |
| 6 | <input type="checkbox"/> | 250.000  | 263.540    | 2677001.47 | 0.2848 | P    | 1.3 |
| 7 | <input type="checkbox"/> | 500.000  | 511.395    | 4747633.66 | 0.5190 | A    | 0.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 989.409    | 8754223.46 | 0.9708 | A    | 1.2 |
| 9 | <input type="checkbox"/> |          |            | 648629.48  | 0.0762 | P    | 1.9 |

$$y = 9.4512\text{E-}004 * x + 0.0357$$

$$R = 0.9998$$

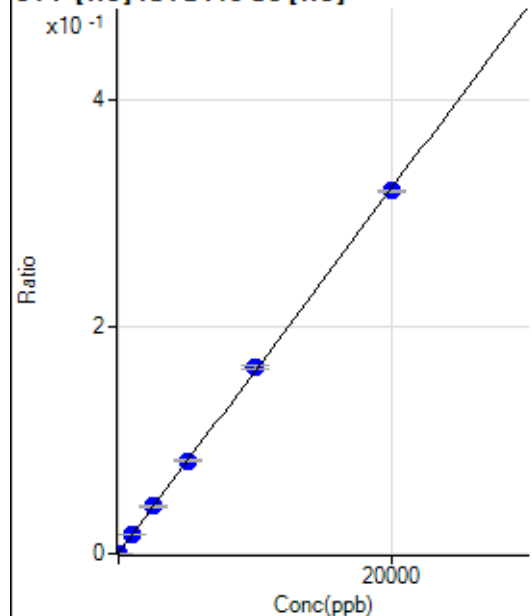
$$DL = 1.761$$

$$BEC = 37.75$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | -4.683     | 138.90    | 0.0004 | P    | 27.0 |
| 2 | <input type="checkbox"/> | 0.000     | 6.721      | 208.34    | 0.0005 | P    | 18.2 |
| 3 | <input type="checkbox"/> | 0.000     | -2.038     | 161.12    | 0.0004 | P    | 21.5 |
| 4 | <input type="checkbox"/> | 1000.000  | 1060.272   | 6668.41   | 0.0175 | P    | 2.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2590.905   | 15464.13  | 0.0421 | P    | 3.9  |
| 6 | <input type="checkbox"/> | 5000.000  | 5080.744   | 29504.99  | 0.0821 | P    | 0.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 10208.108  | 58192.17  | 0.1645 | P    | 2.0  |
| 8 | <input type="checkbox"/> | 20000.000 | 19861.383  | 111578.96 | 0.3196 | P    | 0.6  |
| 9 | <input type="checkbox"/> |           |            | 225.01    | 0.0006 | P    | 6.8  |

$$y = 1.6069\text{E-}005 * x + 4.3818\text{E-}004$$

$$R = 0.9999$$

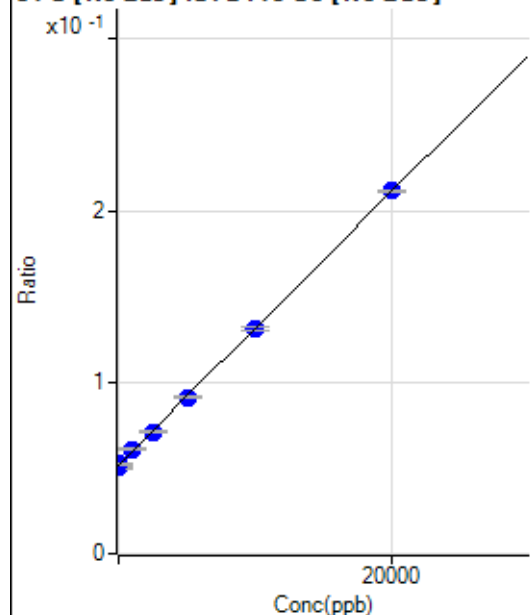
$$DL = 17.69$$

$$BEC = 27.27$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -209.159   | 519961.13  | 0.0501 | P    | 1.9 |
| 2 | <input type="checkbox"/> | 0.000     | 152.364    | 526051.58  | 0.0530 | P    | 0.2 |
| 3 | <input type="checkbox"/> | 0.000     | 56.795     | 528399.19  | 0.0523 | P    | 2.1 |
| 4 | <input type="checkbox"/> | 1000.000  | 1099.622   | 600629.11  | 0.0606 | P    | 1.9 |
| 5 | <input type="checkbox"/> | 2500.000  | 2417.115   | 684758.29  | 0.0711 | P    | 2.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 4904.558   | 854476.65  | 0.0909 | P    | 1.1 |
| 7 | <input type="checkbox"/> | 10000.000 | 9967.457   | 1200330.71 | 0.1312 | P    | 1.2 |
| 8 | <input type="checkbox"/> | 20000.000 | 20045.511  | 1907573.65 | 0.2115 | P    | 0.4 |
| 9 | <input type="checkbox"/> |           |            | 443404.96  | 0.0521 | P    | 1.0 |

$$y = 7.9681E-006 * x + 0.0518$$

$$R = 0.9999$$

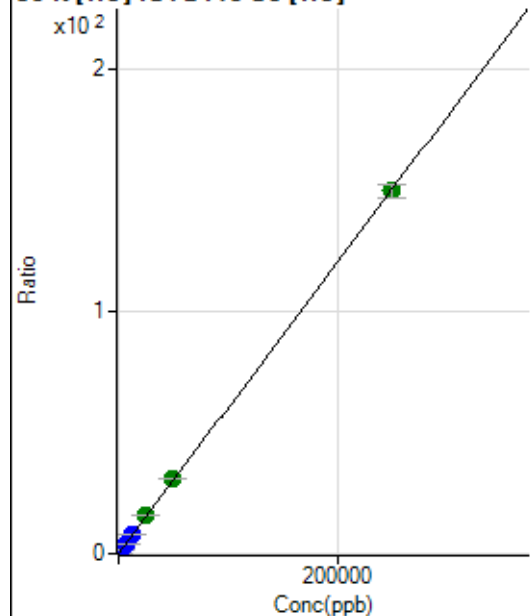
$$DL = 270.5$$

$$BEC = 6502$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 18717.46    | 0.0495   | P    | 5.6 |
| 2 | <input type="checkbox"/> | 5.000     | 53.287     | 30822.42    | 0.0814   | P    | 7.7 |
| 3 | <input type="checkbox"/> | 500.000   | 479.272    | 133786.62   | 0.3366   | P    | 1.5 |
| 4 | <input type="checkbox"/> | 2500.000  | 2737.777   | 644813.65   | 1.6898   | P    | 0.3 |
| 5 | <input type="checkbox"/> | 6250.000  | 6700.520   | 1493967.67  | 4.0639   | P    | 0.5 |
| 6 | <input type="checkbox"/> | 12500.000 | 13060.676  | 2830619.87  | 7.8744   | P    | 0.6 |
| 7 | <input type="checkbox"/> | 25000.000 | 26263.510  | 5584577.86  | 15.7844  | A    | 0.6 |
| 8 | <input type="checkbox"/> | 50000.000 | 51773.643  | 10847186.20 | 31.0680  | A    | 0.5 |
| 9 | <input type="checkbox"/> | 250000.00 | 249477.28  | 52637394.11 | 149.5156 | A    | 3.5 |

$$y = 5.9912E-004 * x + 0.0495$$

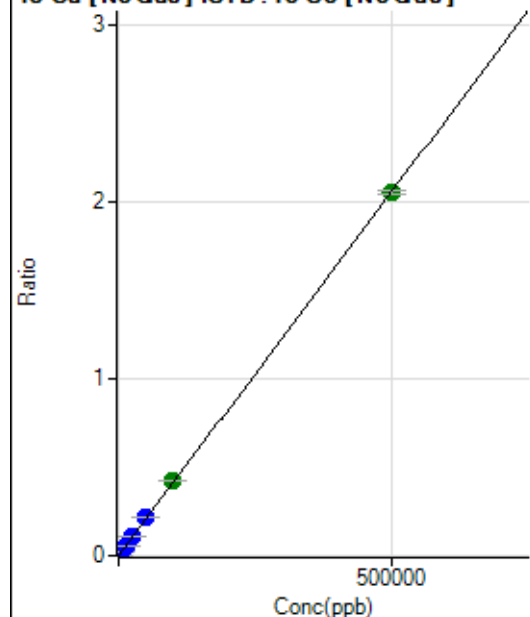
$$R = 1.0000$$

$$DL = 14$$

$$BEC = 82.63$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 366.60      | 0.0000 | P    | 6.2 |
| 2 | <input type="checkbox"/> | 5.000     | 53.071     | 2518.40     | 0.0003 | P    | 2.1 |
| 3 | <input type="checkbox"/> | 500.000   | 487.979    | 20671.03    | 0.0020 | P    | 0.9 |
| 4 | <input type="checkbox"/> | 5000.000  | 5434.773   | 222248.56   | 0.0224 | P    | 1.3 |
| 5 | <input type="checkbox"/> | 12500.000 | 13462.687  | 534428.49   | 0.0555 | P    | 1.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 26566.503  | 1028600.88  | 0.1094 | P    | 0.6 |
| 7 | <input type="checkbox"/> | 50000.000 | 52344.755  | 1971562.48  | 0.2155 | P    | 0.7 |
| 8 | <input type="checkbox"/> | 100000.00 | 103863.93  | 3856538.11  | 0.4276 | A    | 0.2 |
| 9 | <input type="checkbox"/> | 500000.00 | 498886.00  | 17477720.87 | 2.0540 | A    | 1.1 |

$$y = 4.1170\text{E-}006 * x + 3.5320\text{E-}005$$

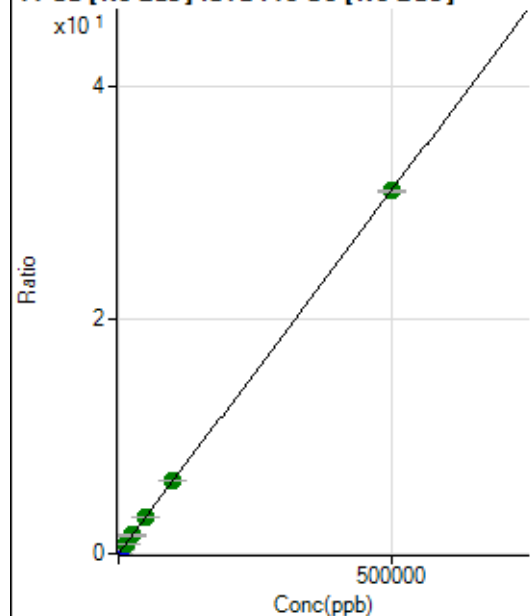
$$R = 1.0000$$

$$DL = 1.583$$

$$BEC = 8.579$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 17301.31    | 0.0017  | P    | 2.5 |
| 2 | <input type="checkbox"/> | 5.000     | 56.335     | 51229.06    | 0.0052  | P    | 0.3 |
| 3 | <input type="checkbox"/> | 500.000   | 505.118    | 333732.08   | 0.0330  | P    | 0.7 |
| 4 | <input type="checkbox"/> | 5000.000  | 5287.677   | 3269673.00  | 0.3297  | P    | 1.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 12879.751  | 7715130.13  | 0.8007  | A    | 2.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 25207.948  | 14718211.05 | 1.5656  | A    | 0.9 |
| 7 | <input type="checkbox"/> | 50000.000 | 50709.318  | 28790744.00 | 3.1476  | A    | 1.2 |
| 8 | <input type="checkbox"/> | 100000.00 | 101516.48  | 56810581.11 | 6.2997  | A    | 0.1 |
| 9 | <input type="checkbox"/> | 500000.00 | 499602.99  | 263761088.8 | 30.9967 | A    | 0.5 |

$$y = 6.2039\text{E-}005 * x + 0.0017$$

$$R = 1.0000$$

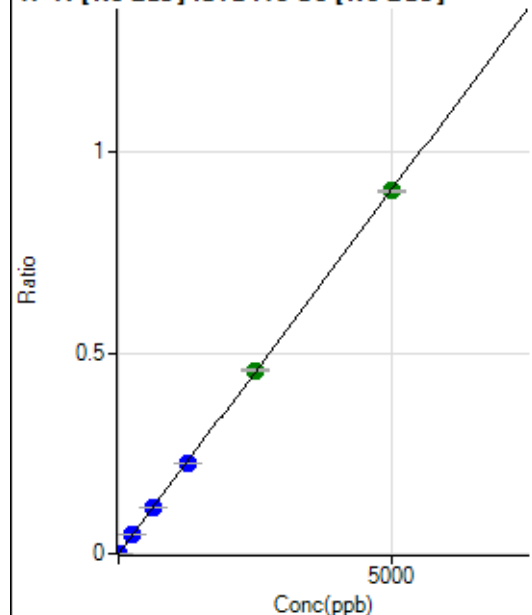
$$DL = 2.056$$

$$BEC = 26.89$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 158.34     | 0.0000 | P    | 5.7 |
| 2 | <input type="checkbox"/> | 0.500    | 0.490      | 1033.41    | 0.0001 | P    | 6.0 |
| 3 | <input type="checkbox"/> | 5.000    | 4.695      | 8761.29    | 0.0009 | P    | 2.2 |
| 4 | <input type="checkbox"/> | 250.000  | 255.401    | 459296.24  | 0.0463 | P    | 2.3 |
| 5 | <input type="checkbox"/> | 625.000  | 637.009    | 1112877.89 | 0.1155 | P    | 2.3 |
| 6 | <input type="checkbox"/> | 1250.000 | 1243.755   | 2120021.59 | 0.2255 | P    | 0.3 |
| 7 | <input type="checkbox"/> | 2500.000 | 2523.268   | 4184574.36 | 0.4575 | A    | 0.5 |
| 8 | <input type="checkbox"/> | 5000.000 | 4988.156   | 8155470.06 | 0.9043 | A    | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 3706.17    | 0.0004 | P    | 5.6 |

$$y = 1.8130E-004 * x + 1.5270E-005$$

$$R = 1.0000$$

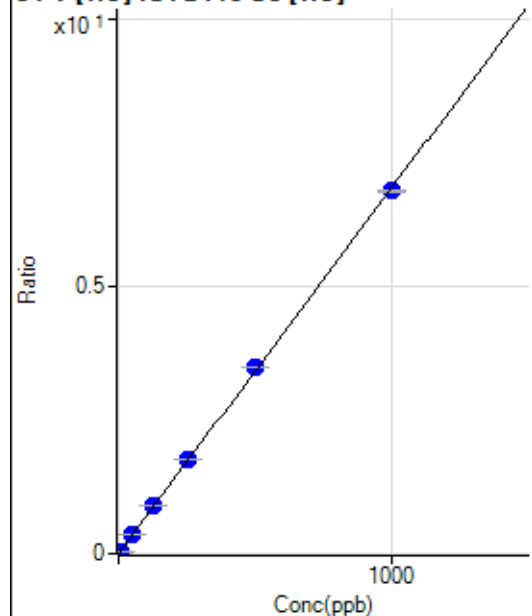
$$DL = 0.01438$$

$$BEC = 0.08423$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.67       | 0.0000 | P    | 53.3 |
| 2 | <input type="checkbox"/> | 0.500    | 0.466      | 1214.51    | 0.0032 | P    | 3.0  |
| 3 | <input type="checkbox"/> | 5.000    | 4.692      | 12744.56   | 0.0321 | P    | 1.6  |
| 4 | <input type="checkbox"/> | 50.000   | 51.940     | 135362.88  | 0.3547 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 130.127    | 326701.10  | 0.8887 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 256.281    | 629138.93  | 1.7502 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 510.292    | 1232937.99 | 3.4848 | P    | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.548    | 2366573.28 | 6.7782 | P    | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 481.13     | 0.0014 | P    | 3.7  |

$$y = 0.0068 * x + 1.7731E-005$$

$$R = 0.9999$$

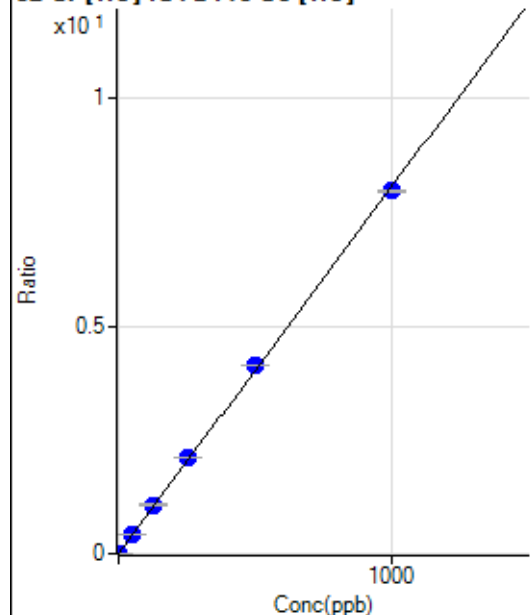
$$DL = 0.004149$$

$$BEC = 0.002596$$

Weight: &lt;None&gt;

Min Conc: 0



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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 564.47     | 0.0015 | P   | 11.3 |
| 2 | <input type="checkbox"/> | 0.200    | 0.206      | 1191.18    | 0.0032 | P   | 11.1 |
| 3 | <input type="checkbox"/> | 2.000    | 1.890      | 6638.27    | 0.0167 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 50.000   | 53.458     | 164712.32  | 0.4316 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 133.381    | 395103.90  | 1.0747 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 261.578    | 757129.28  | 2.1062 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 513.336    | 1461893.99 | 4.1319 | P   | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.217    | 2779523.88 | 7.9610 | P   | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 10757.40   | 0.0306 | P   | 4.9  |

$$y = 0.0080 * x + 0.0015$$

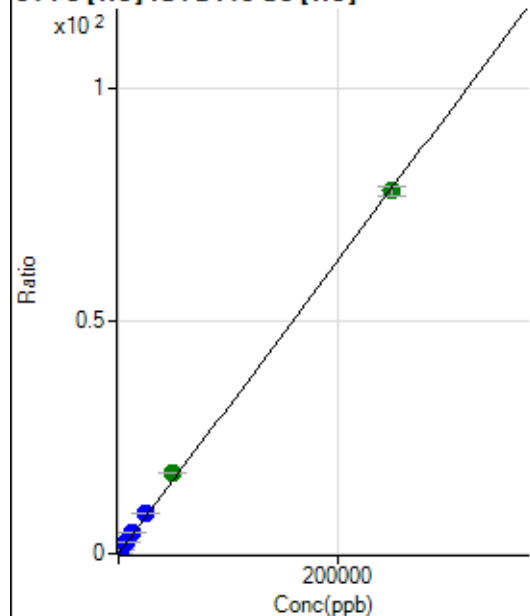
$$R = 0.9998$$

$$DL = 0.063$$

$$BEC = 0.1858$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 631.89      | 0.0017  | P   | 14.3 |
| 2 | <input type="checkbox"/> | 5.000     | 5.696      | 1314.48     | 0.0035  | P   | 3.8  |
| 3 | <input type="checkbox"/> | 50.000    | 56.049     | 7658.52     | 0.0193  | P   | 0.1  |
| 4 | <input type="checkbox"/> | 2500.000  | 3003.548   | 360422.91   | 0.9445  | P   | 0.8  |
| 5 | <input type="checkbox"/> | 6250.000  | 7536.067   | 870259.50   | 2.3672  | P   | 0.3  |
| 6 | <input type="checkbox"/> | 12500.000 | 14495.686  | 1636258.55  | 4.5518  | P   | 0.5  |
| 7 | <input type="checkbox"/> | 25000.000 | 28103.110  | 3121650.17  | 8.8232  | P   | 0.3  |
| 8 | <input type="checkbox"/> | 50000.000 | 55302.715  | 6061729.21  | 17.3611 | A   | 0.6  |
| 9 | <input type="checkbox"/> | 250000.00 | 248492.17  | 27465248.37 | 78.0029 | A   | 2.8  |

$$y = 3.1390E-004 * x + 0.0017$$

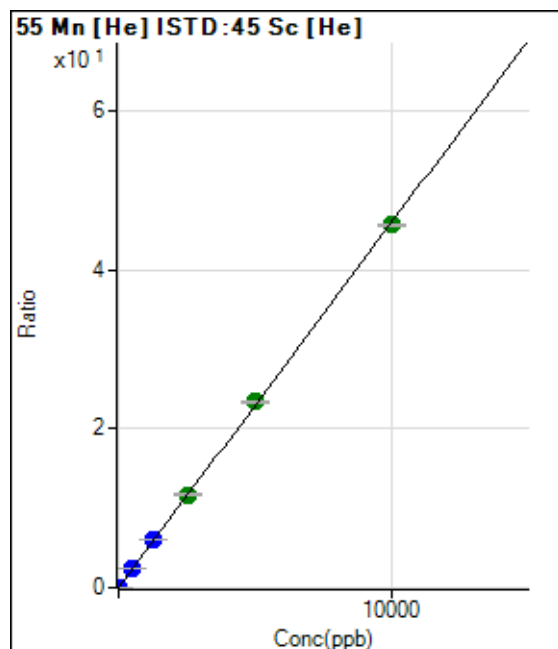
$$R = 0.9997$$

$$DL = 2.283$$

$$BEC = 5.337$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>                     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|-------------------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 2533.59     | 0.0067  | P    | 5.5 |
| 2 | <input checked="" type="checkbox"/> | 0.100     |            |             |         |      |     |
| 3 | <input type="checkbox"/>            | 1.000     | 0.129      | 2898.11     | 0.0073  | P    | 2.6 |
| 4 | <input type="checkbox"/>            | 500.000   | 526.318    | 925431.99   | 2.4251  | P    | 0.7 |
| 5 | <input type="checkbox"/>            | 1250.000  | 1304.199   | 2205577.35  | 5.9994  | P    | 0.7 |
| 6 | <input type="checkbox"/>            | 2500.000  | 2549.809   | 4214012.78  | 11.7229 | A    | 0.9 |
| 7 | <input type="checkbox"/>            | 5000.000  | 5084.914   | 8268801.33  | 23.3715 | A    | 0.2 |
| 8 | <input type="checkbox"/>            | 10000.000 | 9937.000   | 15944340.18 | 45.6664 | A    | 0.8 |
| 9 | <input type="checkbox"/>            |           |            | 11713.72    | 0.0333  | P    | 4.0 |

$$y = 0.0046 * x + 0.0067$$

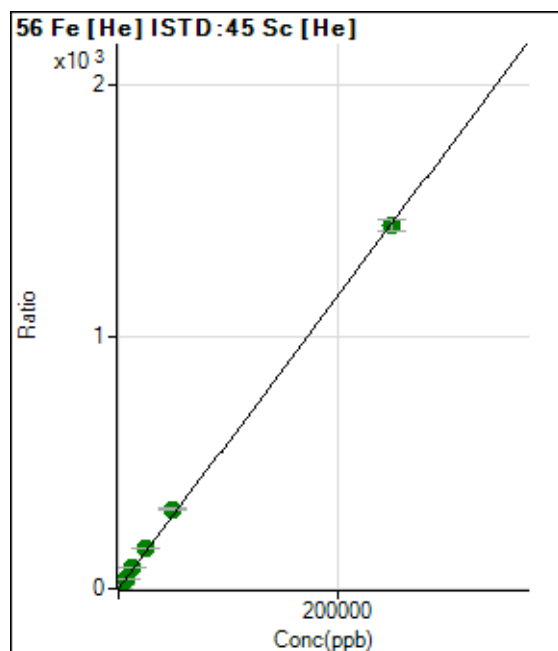
$$R = 0.9999$$

$$DL = 0.2391$$

$$BEC = 1.458$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 6430.18     | 0.0170    | P    | 3.6 |
| 2 | <input type="checkbox"/> | 5.000     | 5.612      | 18730.28    | 0.0495    | P    | 8.3 |
| 3 | <input type="checkbox"/> | 50.000    | 53.317     | 129467.92   | 0.3258    | P    | 1.5 |
| 4 | <input type="checkbox"/> | 2500.000  | 2847.234   | 6299067.39  | 16.5068   | A    | 0.6 |
| 5 | <input type="checkbox"/> | 6250.000  | 7208.690   | 15354428.60 | 41.7661   | A    | 1.0 |
| 6 | <input type="checkbox"/> | 12500.000 | 14051.739  | 29260049.68 | 81.3977   | A    | 0.8 |
| 7 | <input type="checkbox"/> | 25000.000 | 27888.676  | 57149511.54 | 161.5344  | A    | 1.0 |
| 8 | <input type="checkbox"/> | 50000.000 | 54513.957  | 110237116.9 | 315.7348  | A    | 0.9 |
| 9 | <input type="checkbox"/> | 250000.00 | 248703.31  | 507114128.3 | 1,440.383 | A    | 3.3 |

$$y = 0.0058 * x + 0.0170$$

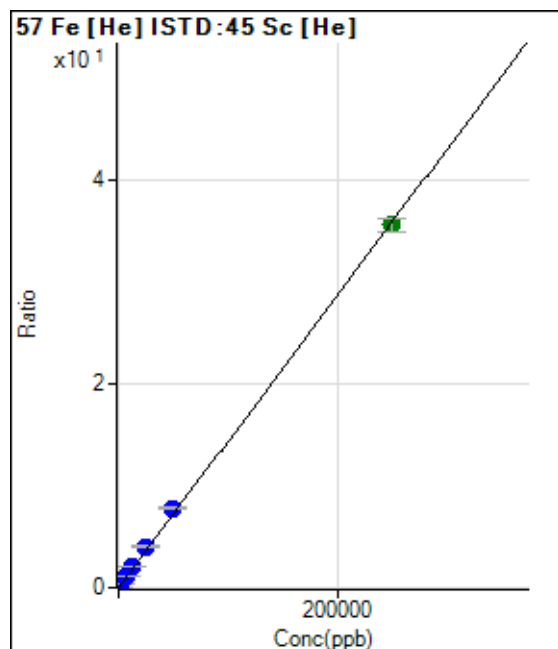
$$R = 0.9998$$

$$DL = 0.3198$$

$$BEC = 2.934$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 205.30      | 0.0005  | P    | 12.7 |
| 2 | <input type="checkbox"/> | 5.000     | 5.834      | 521.91      | 0.0014  | P    | 10.3 |
| 3 | <input type="checkbox"/> | 50.000    | 53.098     | 3233.74     | 0.0081  | P    | 4.9  |
| 4 | <input type="checkbox"/> | 2500.000  | 2963.434   | 161994.53   | 0.4245  | P    | 0.5  |
| 5 | <input type="checkbox"/> | 6250.000  | 7477.434   | 393472.67   | 1.0703  | P    | 0.4  |
| 6 | <input type="checkbox"/> | 12500.000 | 14383.975  | 739937.29   | 2.0584  | P    | 0.9  |
| 7 | <input type="checkbox"/> | 25000.000 | 28320.875  | 1433679.78  | 4.0523  | P    | 0.5  |
| 8 | <input type="checkbox"/> | 50000.000 | 54526.946  | 2723775.20  | 7.8015  | P    | 0.8  |
| 9 | <input type="checkbox"/> | 250000.00 | 248633.00  | 12523021.06 | 35.5713 | A    | 3.6  |

$$y = 1.4307\text{E-}004 * x + 5.4274\text{E-}004$$

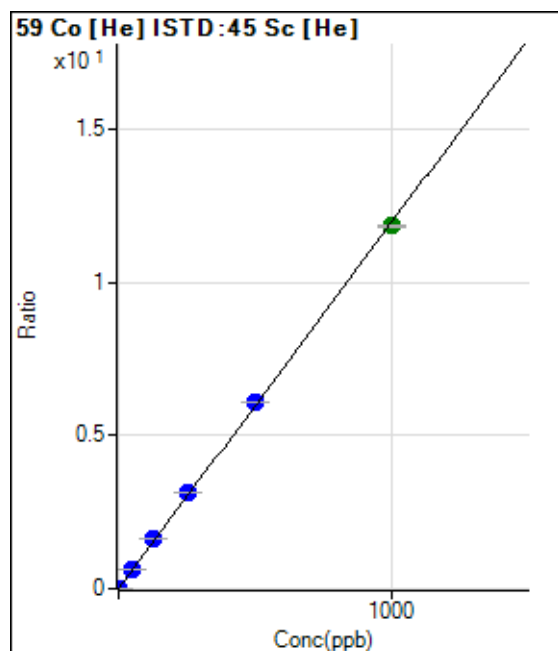
$$R = 0.9998$$

$$DL = 1.451$$

$$BEC = 3.794$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 87.78      | 0.0002  | P    | 24.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.103      | 552.24     | 0.0015  | P    | 8.7  |
| 3 | <input type="checkbox"/> | 1.000    | 0.962      | 4664.14    | 0.0117  | P    | 0.8  |
| 4 | <input type="checkbox"/> | 50.000   | 54.576     | 249232.90  | 0.6531  | P    | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 136.620    | 600913.36  | 1.6346  | P    | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 262.131    | 1127340.49 | 3.1361  | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 509.095    | 2154823.39 | 6.0905  | P    | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 990.738    | 4138123.55 | 11.8524 | A    | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 7853.33    | 0.0223  | P    | 1.7  |

$$y = 0.0120 * x + 2.3043\text{E-}004$$

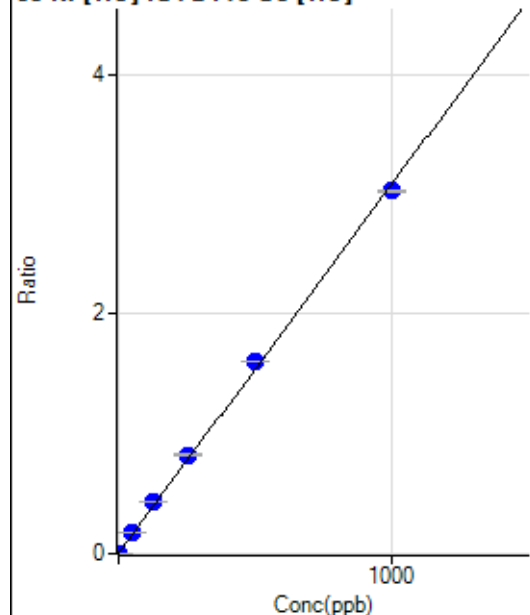
$$R = 0.9998$$

$$DL = 0.01415$$

$$BEC = 0.01926$$

Weight: <None>

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 944.49     | 0.0025 | P   | 2.4 |
| 2 | <input type="checkbox"/> | 0.100    | 0.097      | 1058.94    | 0.0028 | P   | 2.5 |
| 3 | <input type="checkbox"/> | 1.000    | 0.795      | 1963.50    | 0.0049 | P   | 7.4 |
| 4 | <input type="checkbox"/> | 50.000   | 55.127     | 65707.66   | 0.1722 | P   | 0.6 |
| 5 | <input type="checkbox"/> | 125.000  | 138.703    | 157872.61  | 0.4295 | P   | 0.8 |
| 6 | <input type="checkbox"/> | 250.000  | 267.264    | 296634.40  | 0.8252 | P   | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 521.459    | 568795.65  | 1.6077 | P   | 0.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 982.986    | 1057317.25 | 3.0284 | P   | 0.8 |
| 9 | <input type="checkbox"/> |          |            | 3743.88    | 0.0106 | P   | 2.1 |

$$y = 0.0031 * x + 0.0025$$

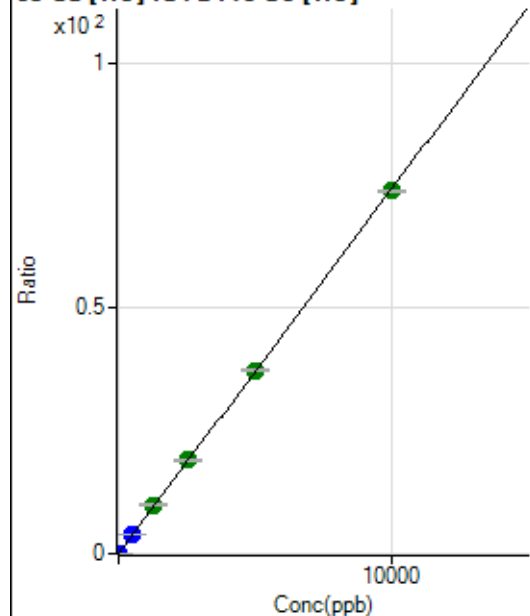
$$R = 0.9994$$

$$DL = 0.0587$$

$$BEC = 0.8091$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 483.35      | 0.0013  | P   | 4.4 |
| 2 | <input type="checkbox"/> | 0.200     | 0.227      | 1122.28     | 0.0030  | P   | 3.1 |
| 3 | <input type="checkbox"/> | 2.000     | 2.120      | 6761.66     | 0.0170  | P   | 3.7 |
| 4 | <input type="checkbox"/> | 500.000   | 546.668    | 1549318.97  | 4.0600  | P   | 0.7 |
| 5 | <input type="checkbox"/> | 1250.000  | 1338.807   | 3654440.61  | 9.9412  | A   | 1.1 |
| 6 | <input type="checkbox"/> | 2500.000  | 2563.064   | 6840941.22  | 19.0307 | A   | 0.5 |
| 7 | <input type="checkbox"/> | 5000.000  | 5033.391   | 13221677.86 | 37.3715 | A   | 0.9 |
| 8 | <input type="checkbox"/> | 10000.000 | 9954.104   | 25803126.84 | 73.9052 | A   | 0.7 |
| 9 | <input type="checkbox"/> |           |            | 5077.63     | 0.0144  | P   | 2.4 |

$$y = 0.0074 * x + 0.0013$$

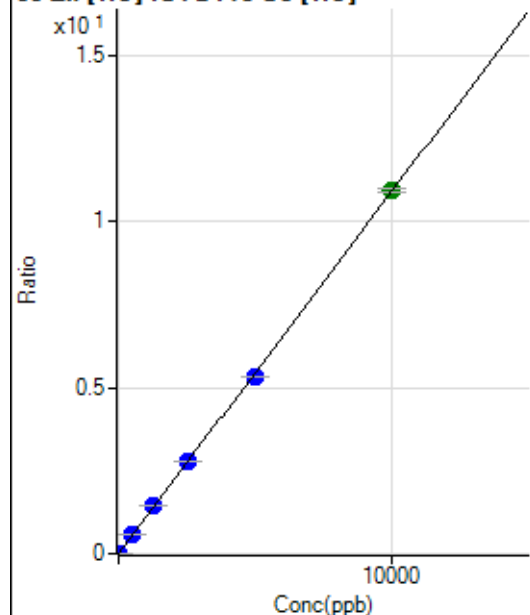
$$R = 0.9999$$

$$DL = 0.0225$$

$$BEC = 0.1719$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>                     | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|-------------------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 615.58     | 0.0016  | P    | 11.4 |
| 2 | <input checked="" type="checkbox"/> | 0.200     |            |            |         |      |      |
| 3 | <input type="checkbox"/>            | 2.000     | 1.582      | 1331.19    | 0.0033  | P    | 5.6  |
| 4 | <input type="checkbox"/>            | 500.000   | 530.965    | 221063.65  | 0.5793  | P    | 0.3  |
| 5 | <input type="checkbox"/>            | 1250.000  | 1329.581   | 532347.28  | 1.4482  | P    | 1.3  |
| 6 | <input type="checkbox"/>            | 2500.000  | 2540.560   | 994183.01  | 2.7657  | P    | 0.6  |
| 7 | <input type="checkbox"/>            | 5000.000  | 4896.525   | 1885361.76 | 5.3289  | P    | 0.2  |
| 8 | <input type="checkbox"/>            | 10000.000 | 10030.102  | 3810516.54 | 10.9141 | A    | 0.9  |
| 9 | <input type="checkbox"/>            |           |            | 7345.29    | 0.0209  | P    | 3.4  |

$$y = 0.0011 * x + 0.0016$$

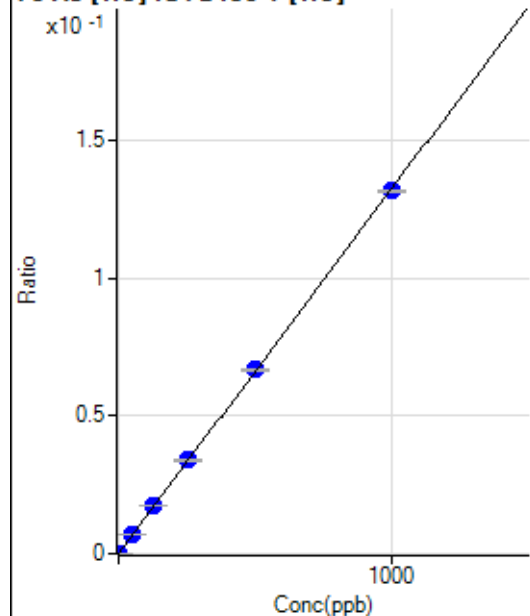
$$R = 0.9999$$

$$DL = 0.5124$$

$$BEC = 1.495$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 11.11     | 0.0000 | P    | 20.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.081      | 31.48     | 0.0000 | P    | 17.0 |
| 3 | <input type="checkbox"/> | 1.000    | 0.961      | 267.91    | 0.0001 | P    | 7.5  |
| 4 | <input type="checkbox"/> | 50.000   | 52.531     | 13688.01  | 0.0070 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 132.076    | 33568.36  | 0.0175 | P    | 1.9  |
| 6 | <input type="checkbox"/> | 250.000  | 255.778    | 63588.32  | 0.0339 | P    | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 505.449    | 124282.42 | 0.0670 | P    | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.820    | 238033.21 | 0.1318 | P    | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 93.21     | 0.0001 | P    | 18.5 |

$$y = 1.3247E-004 * x + 5.8161E-006$$

$$R = 0.9999$$

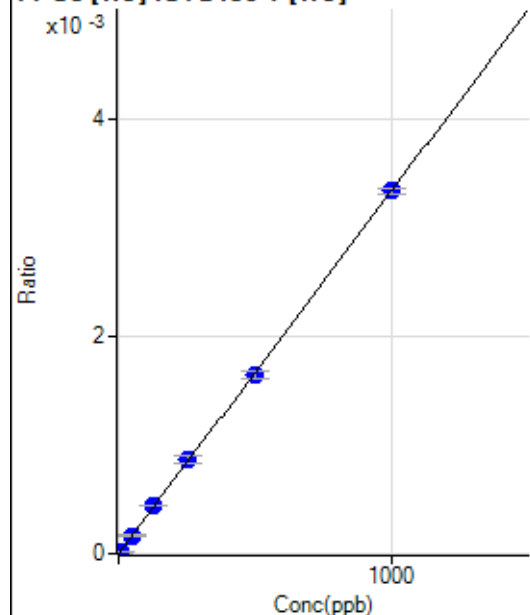
$$DL = 0.02705$$

$$BEC = 0.04391$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00    | 0.0000 | P   |      |
| 2 | <input type="checkbox"/> | 0.500    | 0.355      | 2.22    | 0.0000 | P   | 86.9 |
| 3 | <input type="checkbox"/> | 5.000    | 3.642      | 24.44   | 0.0000 | P   | 21.1 |
| 4 | <input type="checkbox"/> | 50.000   | 49.833     | 326.68  | 0.0002 | P   | 6.7  |
| 5 | <input type="checkbox"/> | 125.000  | 132.006    | 844.48  | 0.0004 | P   | 2.2  |
| 6 | <input type="checkbox"/> | 250.000  | 259.683    | 1625.67 | 0.0009 | P   | 9.4  |
| 7 | <input type="checkbox"/> | 500.000  | 493.380    | 3054.82 | 0.0016 | P   | 3.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.029   | 6024.69 | 0.0033 | P   | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 1.11    | 0.0000 | P   | 173. |

$$y = 3.3355\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

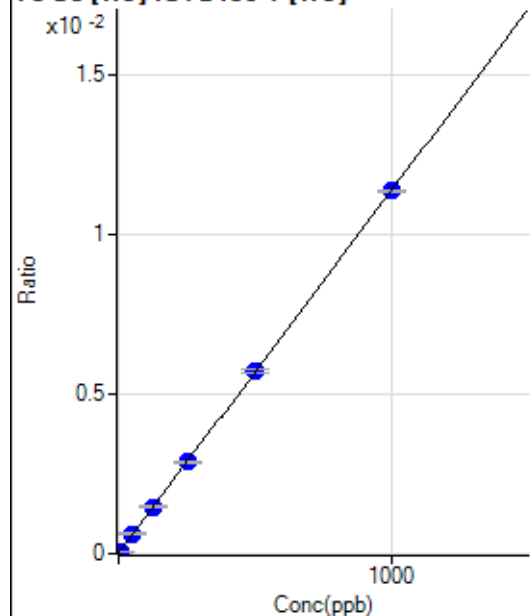
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 33.95    | 0.0000 | P   | 24.6 |
| 2 | <input type="checkbox"/> | 0.500    | 0.798      | 50.62    | 0.0000 | P   | 37.9 |
| 3 | <input type="checkbox"/> | 5.000    | 5.102      | 152.47   | 0.0001 | P   | 9.7  |
| 4 | <input type="checkbox"/> | 50.000   | 53.352     | 1226.61  | 0.0006 | P   | 2.9  |
| 5 | <input type="checkbox"/> | 125.000  | 127.641    | 2816.96  | 0.0015 | P   | 2.0  |
| 6 | <input type="checkbox"/> | 250.000  | 251.417    | 5395.49  | 0.0029 | P   | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 500.964    | 10601.49 | 0.0057 | P   | 1.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.665    | 20533.76 | 0.0114 | P   | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 39.51    | 0.0000 | P   | 28.5 |

$$y = 1.1366\text{E-}005 * x + 1.7744\text{E-}005$$

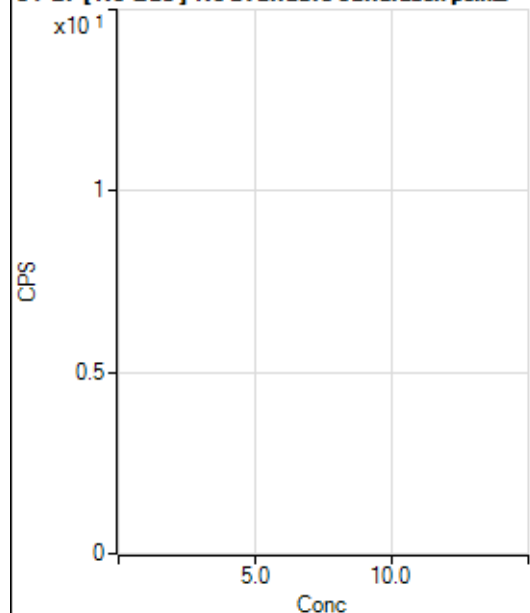
$$R = 1.0000$$

$$DL = 1.151$$

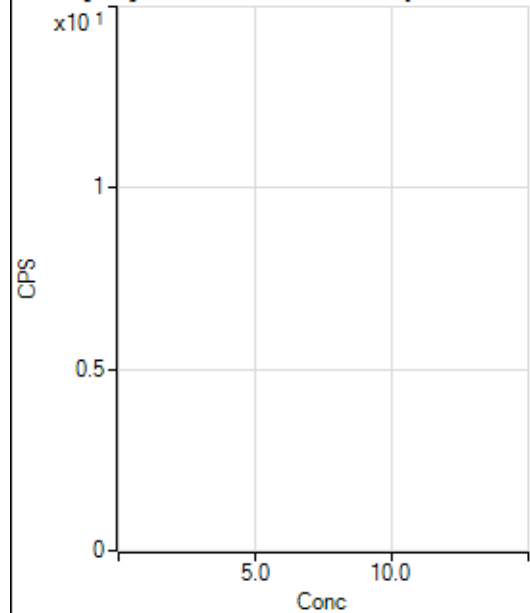
$$BEC = 1.561$$

Weight: &lt;None&gt;

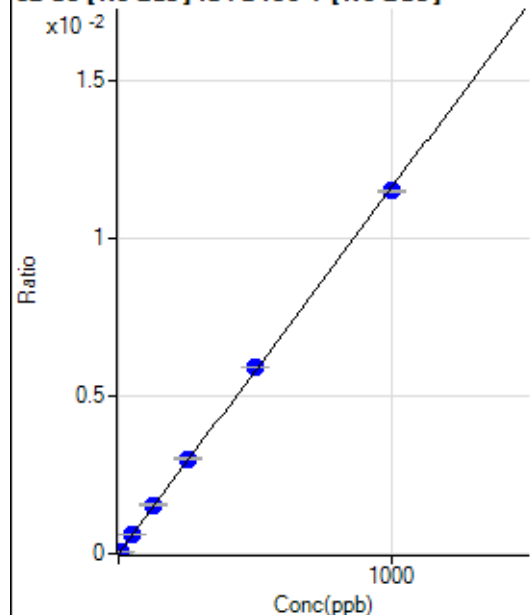
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 39601.98 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> |       |            | 39166.89 |       | P        | 2.5 |
| 3 | <input type="checkbox"/> |       |            | 38310.57 |       | P        | 2.3 |
| 4 | <input type="checkbox"/> |       |            | 37909.06 |       | P        | 0.9 |
| 5 | <input type="checkbox"/> |       |            | 38119.37 |       | P        | 1.7 |
| 6 | <input type="checkbox"/> |       |            | 35788.03 |       | P        | 3.7 |
| 7 | <input type="checkbox"/> |       |            | 35757.85 |       | P        | 0.9 |
| 8 | <input type="checkbox"/> |       |            | 35426.91 |       | P        | 1.9 |
| 9 | <input type="checkbox"/> |       |            | 35319.71 |       | P        | 2.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 90.09 |       | P        | 57.7 |
| 2 | <input type="checkbox"/> |       |            | 80.08 |       | P        | 25.0 |
| 3 | <input type="checkbox"/> |       |            | 70.07 |       | P        | 37.8 |
| 4 | <input type="checkbox"/> |       |            | 53.39 |       | P        | 65.8 |
| 5 | <input type="checkbox"/> |       |            | 56.72 |       | P        | 20.4 |
| 6 | <input type="checkbox"/> |       |            | 73.41 |       | P        | 41.7 |
| 7 | <input type="checkbox"/> |       |            | 53.39 |       | P        | 57.3 |
| 8 | <input type="checkbox"/> |       |            | 83.42 |       | P        | 42.1 |
| 9 | <input type="checkbox"/> |       |            | 83.42 |       | P        | 30.2 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 20.82     | 0.0000 | P    | 113. |
| 2 | <input type="checkbox"/> | 0.500    | 0.469      | 110.66    | 0.0000 | P    | 15.4 |
| 3 | <input type="checkbox"/> | 5.000    | 4.665      | 936.55    | 0.0001 | P    | 4.5  |
| 4 | <input type="checkbox"/> | 50.000   | 52.536     | 10185.91  | 0.0006 | P    | 3.7  |
| 5 | <input type="checkbox"/> | 125.000  | 132.390    | 25004.89  | 0.0015 | P    | 3.2  |
| 6 | <input type="checkbox"/> | 250.000  | 259.253    | 48322.37  | 0.0030 | P    | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 509.860    | 93380.09  | 0.0059 | P    | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.708    | 179249.49 | 0.0115 | P    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 170.45    | 0.0000 | P    | 6.5  |

$$y = 1.1612\text{E-}005 * x + 1.2120\text{E-}006$$

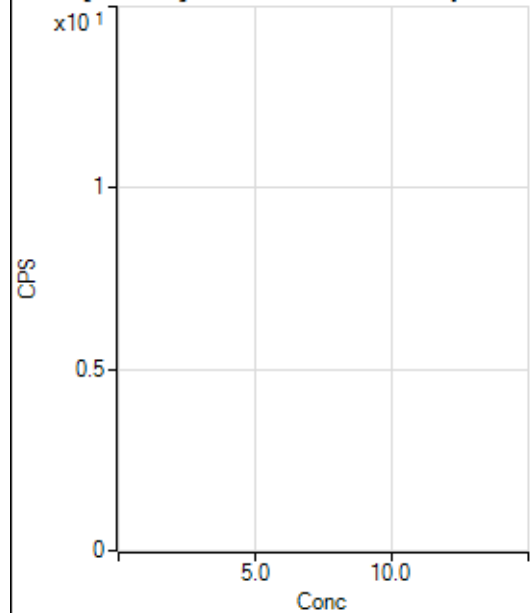
$$R = 0.9999$$

$$DL = 0.3537$$

$$BEC = 0.1044$$

Weight: &lt;None&gt;

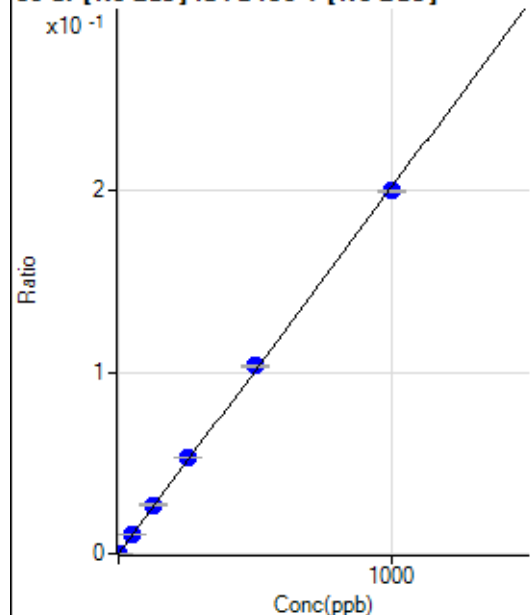
Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS    | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|--------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 191.12 |       | P    | 13.1 |
| 2 | <input type="checkbox"/> |       |            | 203.34 |       | P    | 3.3  |
| 3 | <input type="checkbox"/> |       |            | 221.12 |       | P    | 10.6 |
| 4 | <input type="checkbox"/> |       |            | 176.67 |       | P    | 12.4 |
| 5 | <input type="checkbox"/> |       |            | 162.23 |       | P    | 9.3  |
| 6 | <input type="checkbox"/> |       |            | 203.34 |       | P    | 30.6 |
| 7 | <input type="checkbox"/> |       |            | 220.01 |       | P    | 7.6  |
| 8 | <input type="checkbox"/> |       |            | 211.11 |       | P    | 13.6 |
| 9 | <input type="checkbox"/> |       |            | 248.90 |       | P    | 4.1  |



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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 316.68     | 0.0000 | P    | 12.2 |
| 2 | <input type="checkbox"/> | 0.100    | 0.130      | 736.16     | 0.0000 | P    | 26.3 |
| 3 | <input type="checkbox"/> | 1.000    | 0.955      | 3570.03    | 0.0002 | P    | 3.7  |
| 4 | <input type="checkbox"/> | 50.000   | 52.816     | 177985.70  | 0.0107 | P    | 2.3  |
| 5 | <input type="checkbox"/> | 125.000  | 132.389    | 434612.61  | 0.0267 | P    | 2.3  |
| 6 | <input type="checkbox"/> | 250.000  | 260.793    | 844854.26  | 0.0527 | P    | 0.1  |
| 7 | <input type="checkbox"/> | 500.000  | 512.021    | 1629856.12 | 0.1034 | P    | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 990.227    | 3110708.88 | 0.1999 | P    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 16651.90   | 0.0012 | P    | 2.3  |

$$y = 2.0183\text{E-}004 * x + 1.8277\text{E-}005$$

$$R = 0.9998$$

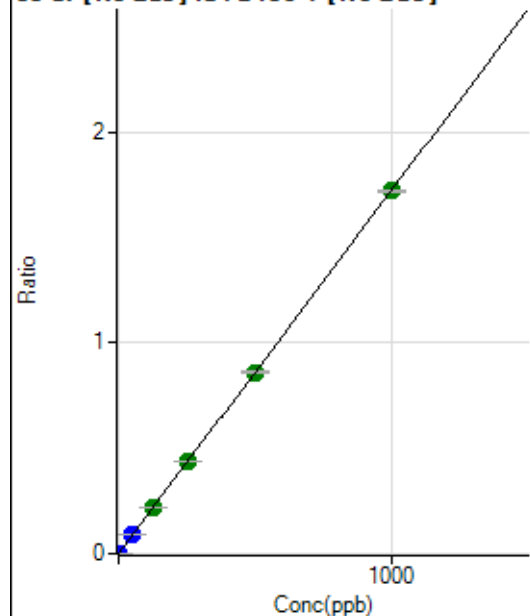
$$DL = 0.03324$$

$$BEC = 0.09056$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 513.92      | 0.0000 | P    | 24.8 |
| 2 | <input type="checkbox"/> | 0.100    | 0.097      | 3281.07     | 0.0002 | P    | 1.1  |
| 3 | <input type="checkbox"/> | 1.000    | 0.948      | 28139.71    | 0.0017 | P    | 1.9  |
| 4 | <input type="checkbox"/> | 50.000   | 51.597     | 1482350.19  | 0.0889 | P    | 1.6  |
| 5 | <input type="checkbox"/> | 125.000  | 127.476    | 3570094.79  | 0.2197 | A    | 2.8  |
| 6 | <input type="checkbox"/> | 250.000  | 253.126    | 6998145.29  | 0.4361 | A    | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 500.126    | 13588346.31 | 0.8617 | A    | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.766    | 26782600.95 | 1.7208 | A    | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 142361.59   | 0.0100 | P    | 1.0  |

$$y = 0.0017 * x + 2.9704\text{E-}005$$

$$R = 1.0000$$

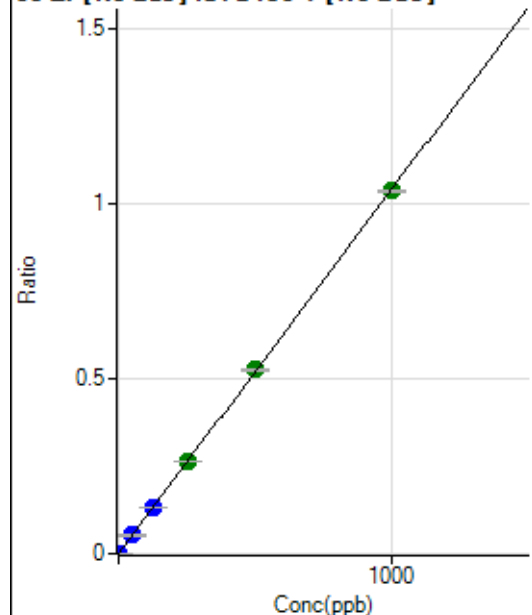
$$DL = 0.01283$$

$$BEC = 0.01724$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 972.30      | 0.0001 | P    | 2.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.088      | 2444.77     | 0.0001 | P    | 3.7 |
| 3 | <input type="checkbox"/> | 1.000    | 0.830      | 15556.22    | 0.0009 | P    | 4.5 |
| 4 | <input type="checkbox"/> | 50.000   | 50.525     | 877572.93   | 0.0526 | P    | 2.4 |
| 5 | <input type="checkbox"/> | 125.000  | 126.413    | 2139650.46  | 0.1316 | P    | 2.9 |
| 6 | <input type="checkbox"/> | 250.000  | 252.991    | 4226294.76  | 0.2634 | A    | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 505.370    | 8296347.84  | 0.5261 | A    | 0.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 996.364    | 16142746.89 | 1.0372 | A    | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 5976.47     | 0.0004 | P    | 4.2 |

$$y = 0.0010 * x + 5.6091E-005$$

$$R = 1.0000$$

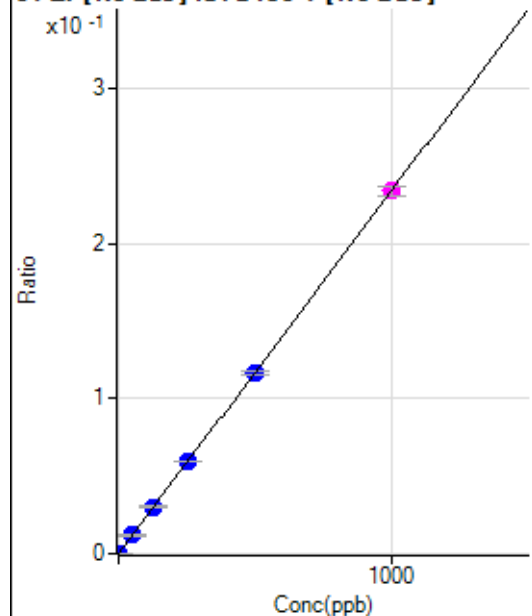
$$DL = 0.004643$$

$$BEC = 0.05388$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 208.35     | 0.0000 | P    | 6.2  |
| 2 | <input type="checkbox"/> | 0.100    | 0.068      | 463.92     | 0.0000 | P    | 3.1  |
| 3 | <input type="checkbox"/> | 1.000    | 0.772      | 3258.84    | 0.0002 | P    | 6.6  |
| 4 | <input type="checkbox"/> | 50.000   | 50.627     | 197590.16  | 0.0119 | P    | 3.0  |
| 5 | <input type="checkbox"/> | 125.000  | 129.660    | 493260.58  | 0.0303 | P    | 2.4  |
| 6 | <input type="checkbox"/> | 250.000  | 253.708    | 952567.56  | 0.0594 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 497.292    | 1834691.10 | 0.1164 | P    | 1.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.813    | 3640427.12 | 0.2339 | M    | 2.4  |
| 9 | <input type="checkbox"/> |          |            | 1361.23    | 0.0001 | P    | 11.5 |

$$y = 2.3395E-004 * x + 1.2013E-005$$

$$R = 1.0000$$

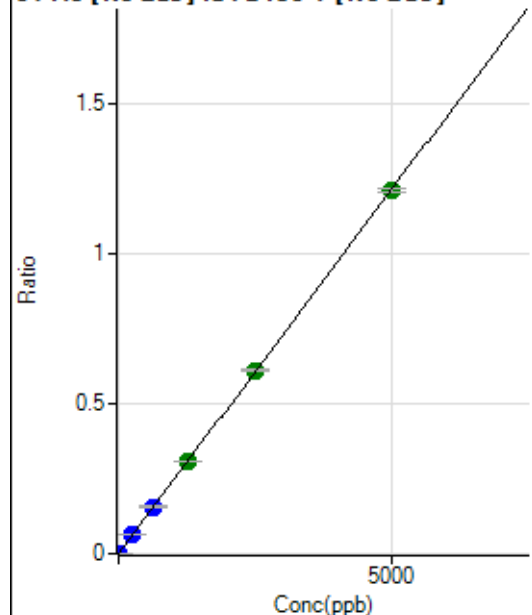
$$DL = 0.009567$$

$$BEC = 0.05135$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 305.57      | 0.0000 | P    | 8.5 |
| 2 | <input type="checkbox"/> | 0.500    | 0.469      | 2186.37     | 0.0001 | P    | 7.9 |
| 3 | <input type="checkbox"/> | 5.000    | 4.543      | 18960.42    | 0.0011 | P    | 0.6 |
| 4 | <input type="checkbox"/> | 250.000  | 257.054    | 1040802.93  | 0.0624 | P    | 2.6 |
| 5 | <input type="checkbox"/> | 625.000  | 637.588    | 2516974.08  | 0.1549 | P    | 3.1 |
| 6 | <input type="checkbox"/> | 1250.000 | 1273.838   | 4964214.35  | 0.3094 | A    | 0.6 |
| 7 | <input type="checkbox"/> | 2500.000 | 2520.381   | 9652399.96  | 0.6121 | A    | 1.2 |
| 8 | <input type="checkbox"/> | 5000.000 | 4981.925   | 18830729.59 | 1.2100 | A    | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 8091.47     | 0.0006 | P    | 1.1 |

$$y = 2.4287\text{E-}004 * x + 1.7615\text{E-}005$$

$$R = 1.0000$$

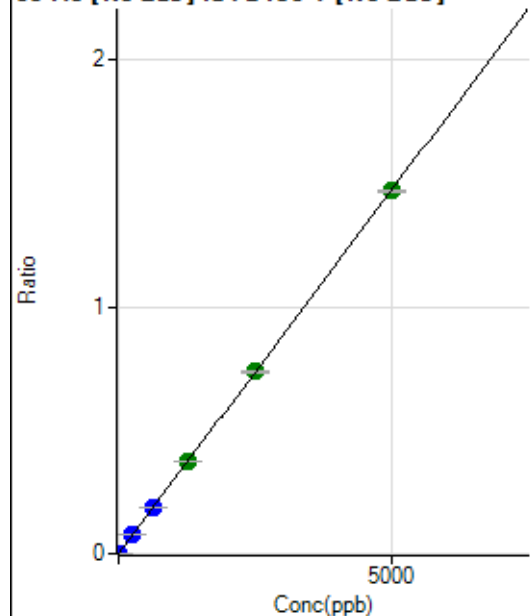
$$DL = 0.01859$$

$$BEC = 0.07253$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 52.78       | 0.0000 | P    | 45.1 |
| 2 | <input type="checkbox"/> | 0.500    | 0.486      | 2430.87     | 0.0001 | P    | 5.1  |
| 3 | <input type="checkbox"/> | 5.000    | 4.596      | 22949.77    | 0.0014 | P    | 3.4  |
| 4 | <input type="checkbox"/> | 250.000  | 257.488    | 1264251.40  | 0.0759 | P    | 3.0  |
| 5 | <input type="checkbox"/> | 625.000  | 630.912    | 3021328.50  | 0.1859 | P    | 2.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1261.733   | 5964292.28  | 0.3717 | A    | 0.6  |
| 7 | <input type="checkbox"/> | 2500.000 | 2509.788   | 11659248.01 | 0.7394 | A    | 1.1  |
| 8 | <input type="checkbox"/> | 5000.000 | 4991.060   | 22884527.07 | 1.4704 | A    | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 9828.76     | 0.0007 | P    | 5.3  |

$$y = 2.9460\text{E-}004 * x + 3.0365\text{E-}006$$

$$R = 1.0000$$

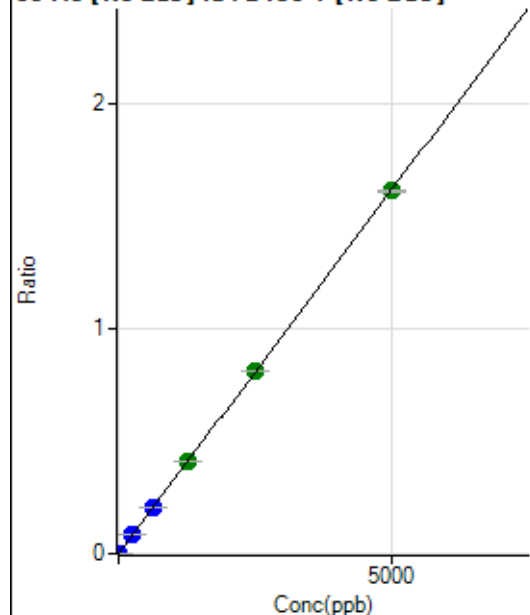
$$DL = 0.01394$$

$$BEC = 0.01031$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 177.79      | 0.0000 | P    | 19.7 |
| 2 | <input type="checkbox"/> | 0.500    | 0.480      | 2747.61     | 0.0002 | P    | 2.2  |
| 3 | <input type="checkbox"/> | 5.000    | 4.645      | 25584.90    | 0.0015 | P    | 1.6  |
| 4 | <input type="checkbox"/> | 250.000  | 257.881    | 1390491.09  | 0.0834 | P    | 2.8  |
| 5 | <input type="checkbox"/> | 625.000  | 631.578    | 3321010.34  | 0.2043 | P    | 2.5  |
| 6 | <input type="checkbox"/> | 1250.000 | 1257.701   | 6528365.21  | 0.4069 | A    | 0.1  |
| 7 | <input type="checkbox"/> | 2500.000 | 2515.946   | 12834253.06 | 0.8139 | A    | 0.5  |
| 8 | <input type="checkbox"/> | 5000.000 | 4988.886   | 25117365.32 | 1.6139 | A    | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 23381.10    | 0.0016 | P    | 1.2  |

$$y = 3.2349\text{E-}004 * x + 1.0236\text{E-}005$$

$$R = 1.0000$$

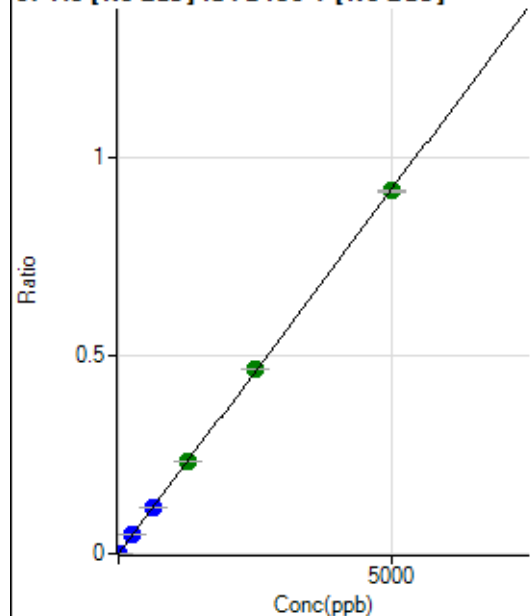
$$DL = 0.01874$$

$$BEC = 0.03164$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 41.67       | 0.0000 | P    | 58.8 |
| 2 | <input type="checkbox"/> | 0.500    | 0.466      | 1466.80     | 0.0001 | P    | 2.4  |
| 3 | <input type="checkbox"/> | 5.000    | 4.610      | 14405.01    | 0.0009 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 250.000  | 256.661    | 788058.77   | 0.0473 | P    | 3.2  |
| 5 | <input type="checkbox"/> | 625.000  | 636.651    | 1906397.74  | 0.1173 | P    | 2.8  |
| 6 | <input type="checkbox"/> | 1250.000 | 1269.105   | 3751511.54  | 0.2338 | A    | 0.6  |
| 7 | <input type="checkbox"/> | 2500.000 | 2525.345   | 7336850.51  | 0.4652 | A    | 0.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 4980.762   | 14281025.49 | 0.9176 | A    | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 5973.72     | 0.0004 | P    | 4.1  |

$$y = 1.8423\text{E-}004 * x + 2.3927\text{E-}006$$

$$R = 1.0000$$

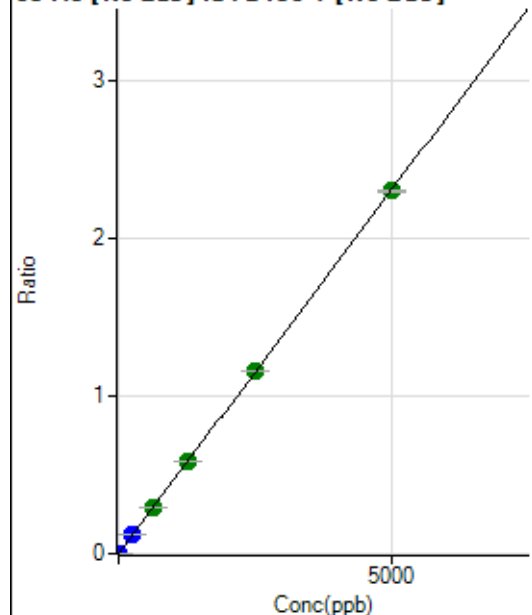
$$DL = 0.02292$$

$$BEC = 0.01299$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.12       | 0.0000 | P    | 35.4 |
| 2 | <input type="checkbox"/> | 0.500    | 0.493      | 3836.80     | 0.0002 | P    | 9.1  |
| 3 | <input type="checkbox"/> | 5.000    | 4.692      | 36656.33    | 0.0022 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 250.000  | 256.757    | 1973343.36  | 0.1184 | P    | 2.8  |
| 5 | <input type="checkbox"/> | 625.000  | 638.390    | 4784761.35  | 0.2944 | A    | 2.8  |
| 6 | <input type="checkbox"/> | 1250.000 | 1263.980   | 9352345.26  | 0.5829 | A    | 0.6  |
| 7 | <input type="checkbox"/> | 2500.000 | 2511.616   | 18264238.08 | 1.1582 | A    | 0.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 4988.686   | 35803124.76 | 2.3005 | A    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 13976.88    | 0.0010 | P    | 4.2  |

$$y = 4.6114\text{E-}004 * x + 3.5355\text{E-}006$$

$$R = 1.0000$$

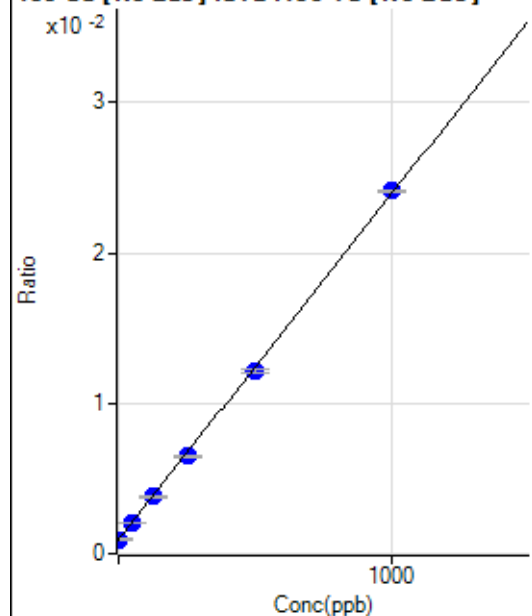
$$DL = 0.008147$$

$$BEC = 0.007667$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 12355.88  | 0.0009 | P    | 1.9 |
| 2 | <input type="checkbox"/> | 0.100    | -0.350     | 11613.54  | 0.0009 | P    | 1.3 |
| 3 | <input type="checkbox"/> | 1.000    | 0.853      | 12041.75  | 0.0010 | P    | 3.2 |
| 4 | <input type="checkbox"/> | 50.000   | 50.370     | 26589.70  | 0.0021 | P    | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 124.433    | 48210.97  | 0.0038 | P    | 2.6 |
| 6 | <input type="checkbox"/> | 250.000  | 240.323    | 81196.48  | 0.0065 | P    | 1.5 |
| 7 | <input type="checkbox"/> | 500.000  | 487.621    | 150553.99 | 0.0121 | P    | 1.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 1008.661   | 286713.48 | 0.0241 | P    | 0.8 |
| 9 | <input type="checkbox"/> |          |            | 9489.65   | 0.0009 | P    | 0.7 |

$$y = 2.2980\text{E-}005 * x + 9.3710\text{E-}004$$

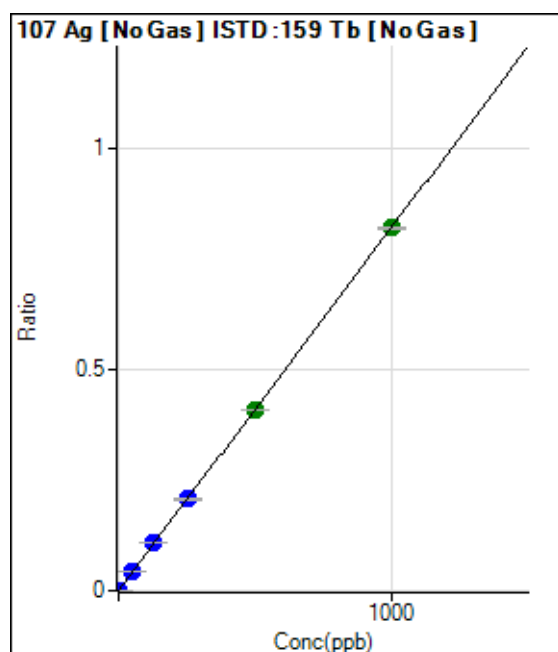
$$R = 0.9998$$

$$DL = 2.353$$

$$BEC = 40.78$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 161.12     | 0.0000 | P    | 24.7 |
| 2 | <input type="checkbox"/> | 0.100    | 0.101      | 1191.77    | 0.0001 | P    | 3.8  |
| 3 | <input type="checkbox"/> | 1.000    | 1.029      | 10790.63   | 0.0009 | P    | 5.8  |
| 4 | <input type="checkbox"/> | 50.000   | 54.764     | 571133.30  | 0.0450 | P    | 2.7  |
| 5 | <input type="checkbox"/> | 125.000  | 132.919    | 1387413.52 | 0.1092 | P    | 1.6  |
| 6 | <input type="checkbox"/> | 250.000  | 251.573    | 2598674.06 | 0.2067 | P    | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 498.502    | 5079194.73 | 0.4097 | A    | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.128    | 9761537.63 | 0.8210 | A    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 4289.72    | 0.0004 | P    | 5.6  |

$$y = 8.2175\text{E-}004 * x + 1.2205\text{E-}005$$

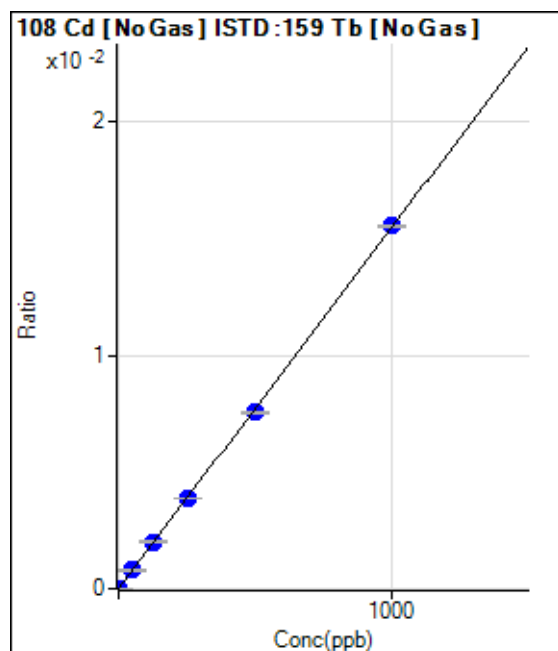
$$R = 1.0000$$

$$DL = 0.01103$$

$$BEC = 0.01485$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 29.17     | 0.0000 | P    | 62.4 |
| 2 | <input type="checkbox"/> | 0.100    | 0.173      | 61.11     | 0.0000 | P    | 22.6 |
| 3 | <input type="checkbox"/> | 1.000    | 1.069      | 236.12    | 0.0000 | P    | 27.8 |
| 4 | <input type="checkbox"/> | 50.000   | 51.556     | 10142.67  | 0.0008 | P    | 4.9  |
| 5 | <input type="checkbox"/> | 125.000  | 128.369    | 25240.83  | 0.0020 | P    | 3.6  |
| 6 | <input type="checkbox"/> | 250.000  | 250.427    | 48722.65  | 0.0039 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 488.610    | 93739.50  | 0.0076 | P    | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.089   | 184878.76 | 0.0155 | P    | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 184.73    | 0.0000 | P    | 11.9 |

$$y = 1.5469\text{E-}005 * x + 2.2119\text{E-}006$$

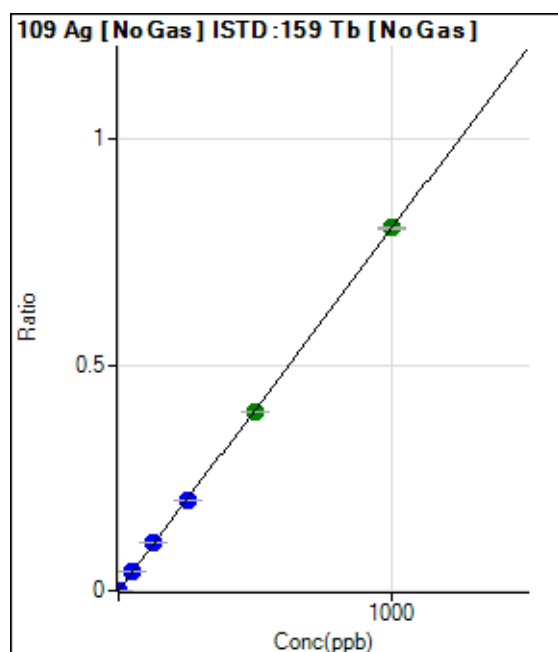
$$R = 0.9999$$

$$DL = 0.2675$$

$$BEC = 0.143$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.12      | 0.0000 | P    | 33.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.098      | 1044.52    | 0.0001 | P    | 2.8  |
| 3 | <input type="checkbox"/> | 1.000    | 1.025      | 10404.22   | 0.0008 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 50.000   | 54.508     | 554842.81  | 0.0437 | P    | 2.1  |
| 5 | <input type="checkbox"/> | 125.000  | 132.241    | 1347051.30 | 0.1061 | P    | 2.4  |
| 6 | <input type="checkbox"/> | 250.000  | 250.487    | 2525441.96 | 0.2009 | P    | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 493.821    | 4911057.49 | 0.3961 | A    | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.837   | 9554032.50 | 0.8036 | A    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 4256.37    | 0.0004 | P    | 6.4  |

$$y = 8.0210\text{E-}004 * x + 4.6268\text{E-}006$$

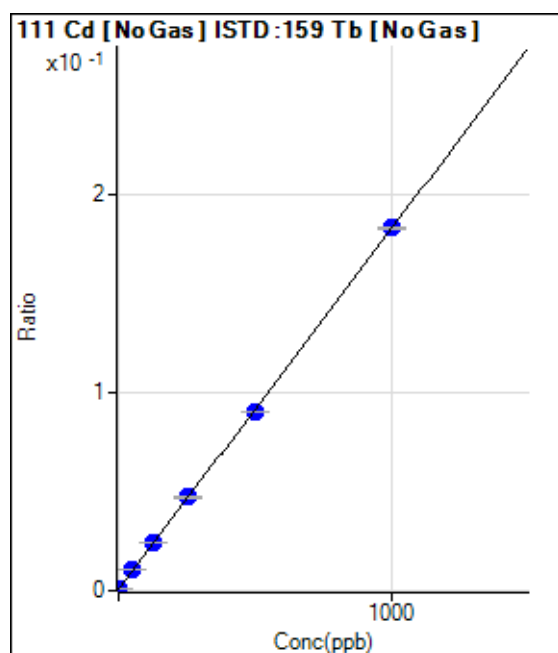
$$R = 0.9999$$

$$DL = 0.005804$$

$$BEC = 0.005768$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>                     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|-------------------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/>            | 0.000    | 0.000      | 8645.37    | 0.0007 | P    | 1.7 |
| 2 | <input checked="" type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/>            | 1.000    | 1.102      | 10779.50   | 0.0009 | P    | 2.2 |
| 4 | <input type="checkbox"/>            | 50.000   | 53.049     | 130911.59  | 0.0103 | P    | 1.7 |
| 5 | <input type="checkbox"/>            | 125.000  | 130.830    | 310937.49  | 0.0245 | P    | 1.4 |
| 6 | <input type="checkbox"/>            | 250.000  | 255.676    | 593486.32  | 0.0472 | P    | 0.9 |
| 7 | <input type="checkbox"/>            | 500.000  | 492.139    | 1119336.18 | 0.0903 | P    | 0.3 |
| 8 | <input type="checkbox"/>            | 1000.000 | 1001.630   | 2176486.28 | 0.1831 | P    | 0.3 |
| 9 | <input type="checkbox"/>            |          |            | 7274.59    | 0.0007 | P    | 1.6 |

$$y = 1.8211\text{E-}004 * x + 6.5568\text{E-}004$$

$$R = 0.9999$$

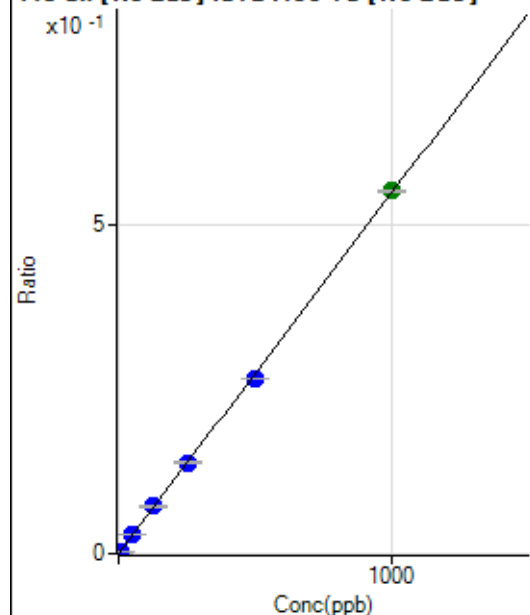
$$DL = 0.185$$

$$BEC = 3.6$$

Weight: <None>

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 597.26     | 0.0000 | P    | 9.4 |
| 2 | <input type="checkbox"/> | 0.500    | 0.522      | 4139.67    | 0.0003 | P    | 3.3 |
| 3 | <input type="checkbox"/> | 5.000    | 4.967      | 34830.45   | 0.0028 | P    | 0.8 |
| 4 | <input type="checkbox"/> | 50.000   | 52.776     | 367483.55  | 0.0290 | P    | 2.9 |
| 5 | <input type="checkbox"/> | 125.000  | 130.706    | 910139.34  | 0.0717 | P    | 2.3 |
| 6 | <input type="checkbox"/> | 250.000  | 252.590    | 1740367.40 | 0.1385 | P    | 0.9 |
| 7 | <input type="checkbox"/> | 500.000  | 483.504    | 3285548.79 | 0.2650 | P    | 0.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 1006.749   | 6559472.28 | 0.5517 | A    | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 3269.96    | 0.0003 | P    | 4.7 |

$$y = 5.4797\text{E-}004 * x + 4.5305\text{E-}005$$

$$R = 0.9998$$

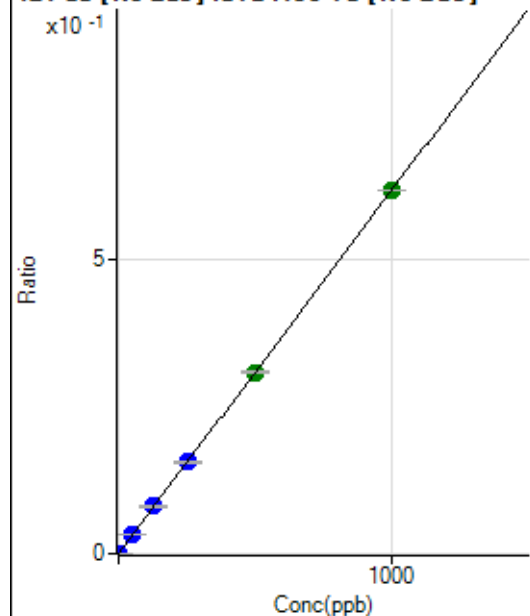
$$DL = 0.0234$$

$$BEC = 0.08268$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00      | 0.0000 | P    | 28.1 |
| 2 | <input type="checkbox"/> | 0.200    | 0.178      | 1419.57    | 0.0001 | P    | 2.6  |
| 3 | <input type="checkbox"/> | 2.000    | 1.889      | 14674.91   | 0.0012 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 50.000   | 53.021     | 413850.45  | 0.0326 | P    | 3.6  |
| 5 | <input type="checkbox"/> | 125.000  | 130.157    | 1016893.36 | 0.0801 | P    | 2.7  |
| 6 | <input type="checkbox"/> | 250.000  | 252.057    | 1949259.01 | 0.1551 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 498.824    | 3805027.78 | 0.3069 | A    | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.279    | 7309361.80 | 0.6148 | A    | 0.1  |
| 9 | <input type="checkbox"/> |          |            | 6382.25    | 0.0006 | P    | 2.0  |

$$y = 6.1523\text{E-}004 * x + 3.7870\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.005183$$

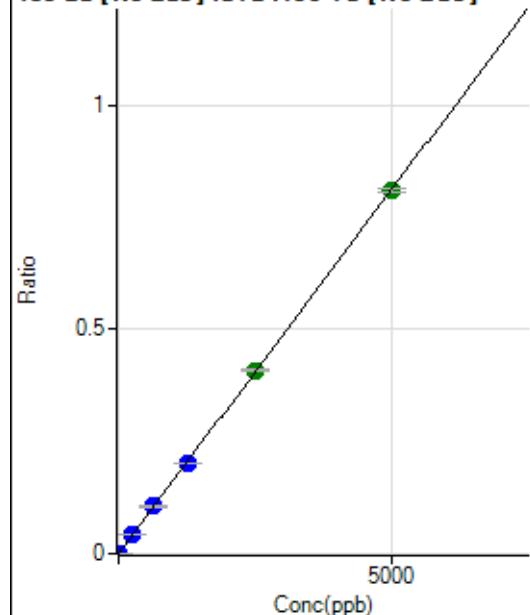
$$BEC = 0.006155$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 47.22      | 0.0000 | P    | 26.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.996      | 2064.13    | 0.0002 | P    | 4.5  |
| 3 | <input type="checkbox"/> | 10.000   | 9.615      | 19681.35   | 0.0016 | P    | 2.0  |
| 4 | <input type="checkbox"/> | 250.000  | 265.160    | 545760.75  | 0.0430 | P    | 4.5  |
| 5 | <input type="checkbox"/> | 625.000  | 651.948    | 1343215.69 | 0.1058 | P    | 3.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1251.142   | 2551749.28 | 0.2030 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 2500.000 | 2522.848   | 5075403.72 | 0.4094 | A    | 0.5  |
| 8 | <input type="checkbox"/> | 5000.000 | 4984.165   | 9615045.09 | 0.8087 | A    | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 16318.47   | 0.0015 | P    | 2.2  |

$$y = 1.6226\text{E-}004 * x + 3.5793\text{E-}006$$

$$R = 1.0000$$

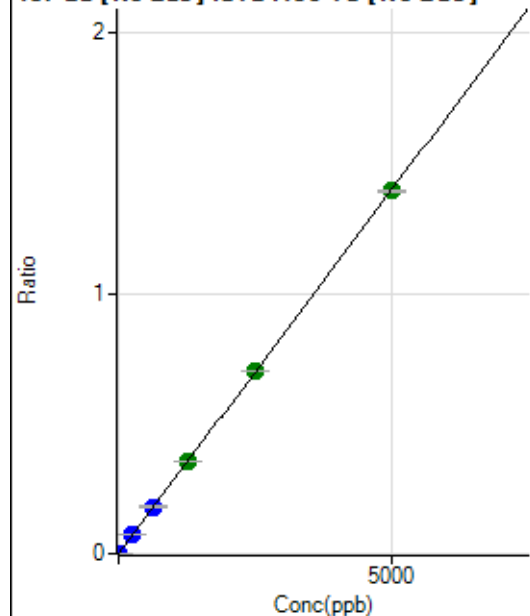
$$DL = 0.0176$$

$$BEC = 0.02206$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 58.34       | 0.0000 | P    | 14.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.009      | 3578.40     | 0.0003 | P    | 3.0  |
| 3 | <input type="checkbox"/> | 10.000   | 9.632      | 33928.94    | 0.0027 | P    | 0.8  |
| 4 | <input type="checkbox"/> | 250.000  | 263.779    | 934990.58   | 0.0737 | P    | 3.5  |
| 5 | <input type="checkbox"/> | 625.000  | 642.800    | 2280487.14  | 0.1796 | P    | 3.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1261.672   | 4430968.33  | 0.3525 | A    | 0.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2511.225   | 8699308.27  | 0.7016 | A    | 0.7  |
| 8 | <input type="checkbox"/> | 5000.000 | 4988.556   | 16571400.89 | 1.3938 | A    | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 28232.56    | 0.0026 | P    | 2.2  |

$$y = 2.7940\text{E-}004 * x + 4.4263\text{E-}006$$

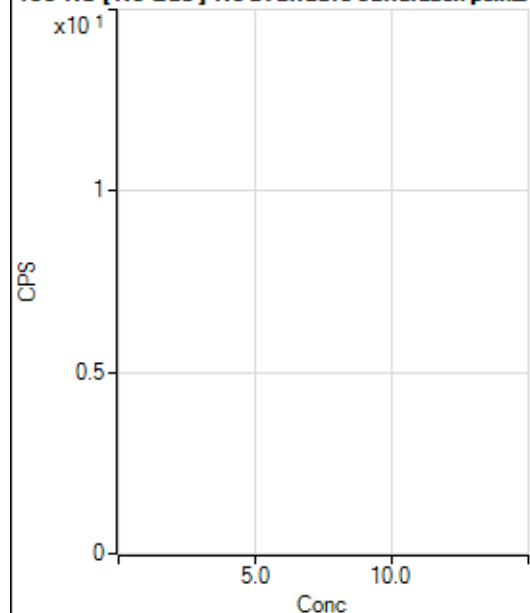
$$R = 1.0000$$

$$DL = 0.006989$$

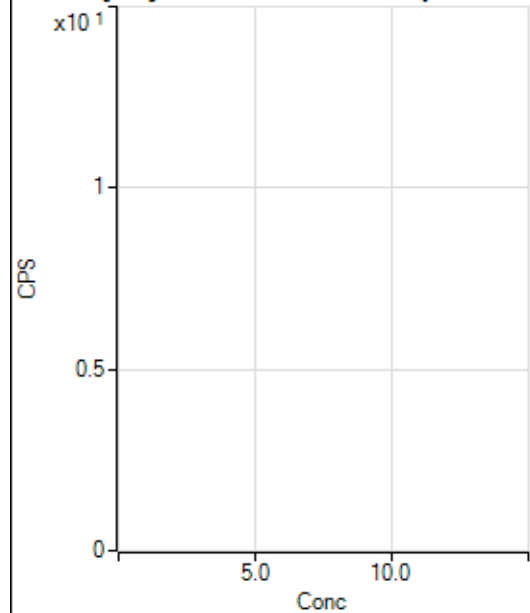
$$BEC = 0.01584$$

Weight: &lt;None&gt;

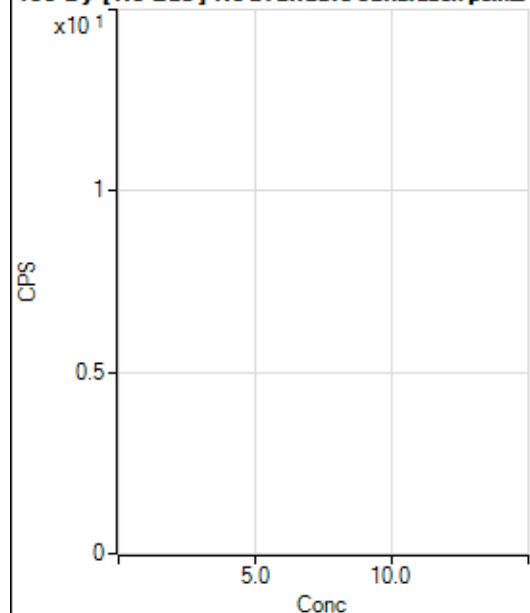
Min Conc: 0

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

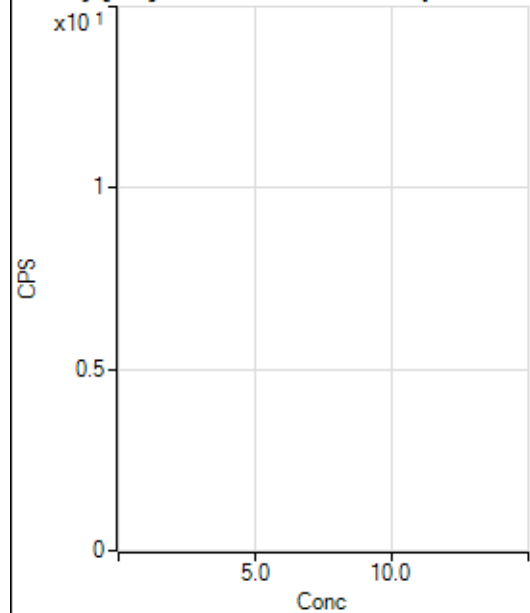
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 11.11   |       | P        | 34.6 |
| 2 | <input type="checkbox"/> |       |            | 11.11   |       | P        | 69.3 |
| 3 | <input type="checkbox"/> |       |            | 11.11   |       | P        | 91.7 |
| 4 | <input type="checkbox"/> |       |            | 88.89   |       | P        | 30.3 |
| 5 | <input type="checkbox"/> |       |            | 213.34  |       | P        | 22.5 |
| 6 | <input type="checkbox"/> |       |            | 344.46  |       | P        | 22.4 |
| 7 | <input type="checkbox"/> |       |            | 784.49  |       | P        | 2.1  |
| 8 | <input type="checkbox"/> |       |            | 1524.59 |       | P        | 3.0  |
| 9 | <input type="checkbox"/> |       |            | 48.89   |       | P        | 15.8 |

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

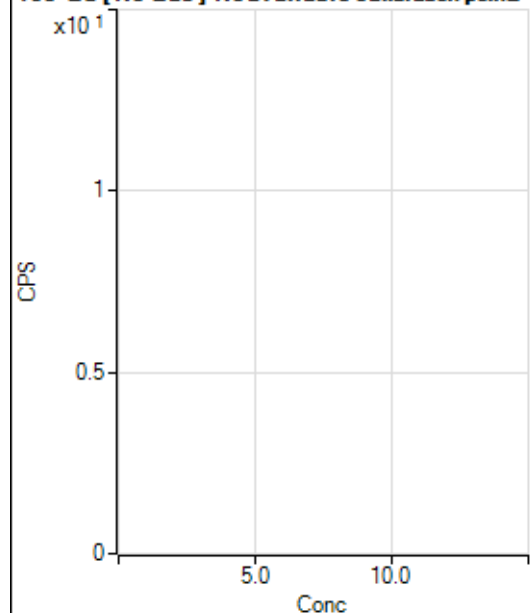
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 4 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 34.6 |
| 5 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 43.3 |
| 6 | <input type="checkbox"/> |       |            | 24.44 |       | P        | 20.8 |
| 7 | <input type="checkbox"/> |       |            | 46.67 |       | P        | 39.8 |
| 8 | <input type="checkbox"/> |       |            | 91.12 |       | P        | 14.8 |
| 9 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 36.7 |

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

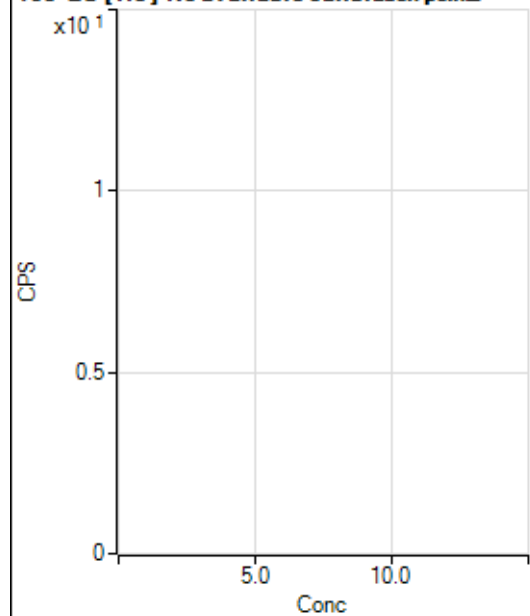
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 57.7 |
| 2 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 45.8 |
| 3 | <input type="checkbox"/> |       |            | 13.89  |       | P        | 69.3 |
| 4 | <input type="checkbox"/> |       |            | 52.78  |       | P        | 55.5 |
| 5 | <input type="checkbox"/> |       |            | 88.90  |       | P        | 48.1 |
| 6 | <input type="checkbox"/> |       |            | 94.45  |       | P        | 13.5 |
| 7 | <input type="checkbox"/> |       |            | 191.68 |       | P        | 11.5 |
| 8 | <input type="checkbox"/> |       |            | 363.91 |       | P        | 8.0  |
| 9 | <input type="checkbox"/> |       |            | 655.60 |       | P        | 19.5 |

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

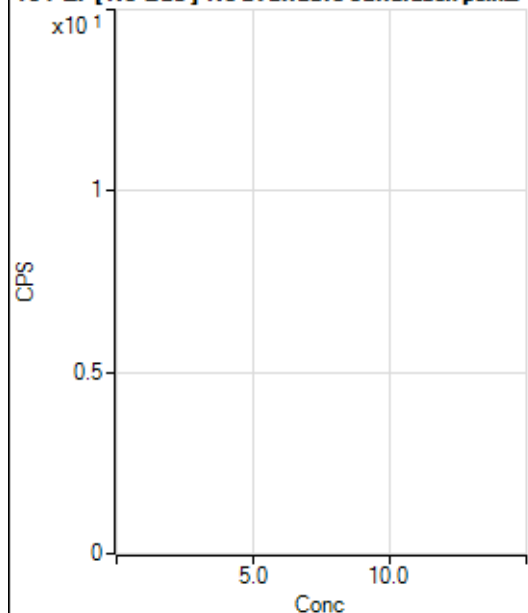
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 78.1 |
| 3 | <input type="checkbox"/> |       |            | 5.55   |       | P        | 69.3 |
| 4 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 36.7 |
| 5 | <input type="checkbox"/> |       |            | 35.56  |       | P        | 14.3 |
| 6 | <input type="checkbox"/> |       |            | 75.56  |       | P        | 19.9 |
| 7 | <input type="checkbox"/> |       |            | 128.89 |       | P        | 19.4 |
| 8 | <input type="checkbox"/> |       |            | 247.78 |       | P        | 6.2  |
| 9 | <input type="checkbox"/> |       |            | 282.23 |       | P        | 4.8  |

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

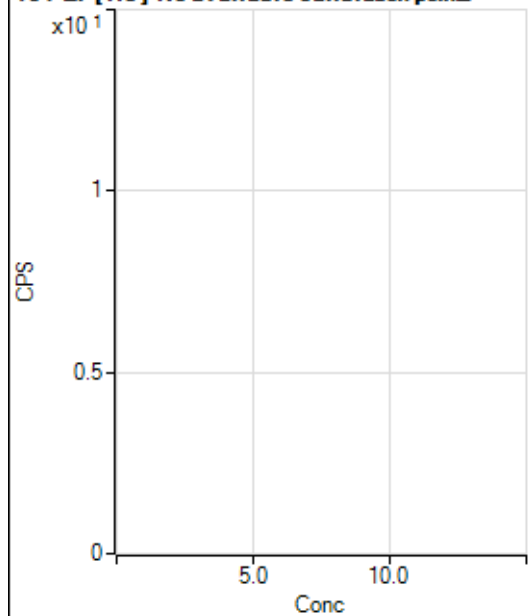
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 122.23 |       | P        | 20.8 |
| 2 | <input type="checkbox"/> |       |            | 113.89 |       | P        | 18.4 |
| 3 | <input type="checkbox"/> |       |            | 113.90 |       | P        | 8.5  |
| 4 | <input type="checkbox"/> |       |            | 130.56 |       | P        | 22.4 |
| 5 | <input type="checkbox"/> |       |            | 97.23  |       | P        | 13.1 |
| 6 | <input type="checkbox"/> |       |            | 161.12 |       | P        | 10.8 |
| 7 | <input type="checkbox"/> |       |            | 213.90 |       | P        | 8.1  |
| 8 | <input type="checkbox"/> |       |            | 308.35 |       | P        | 30.1 |
| 9 | <input type="checkbox"/> |       |            | 683.38 |       | P        | 10.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 200.00 |       | P        | 18.0 |
| 2 | <input type="checkbox"/> |       |            | 205.56 |       | P        | 14.7 |
| 3 | <input type="checkbox"/> |       |            | 232.23 |       | P        | 22.7 |
| 4 | <input type="checkbox"/> |       |            | 196.67 |       | P        | 2.9  |
| 5 | <input type="checkbox"/> |       |            | 192.23 |       | P        | 8.2  |
| 6 | <input type="checkbox"/> |       |            | 197.78 |       | P        | 20.0 |
| 7 | <input type="checkbox"/> |       |            | 210.00 |       | P        | 11.1 |
| 8 | <input type="checkbox"/> |       |            | 266.68 |       | P        | 5.4  |
| 9 | <input type="checkbox"/> |       |            | 448.90 |       | P        | 8.9  |

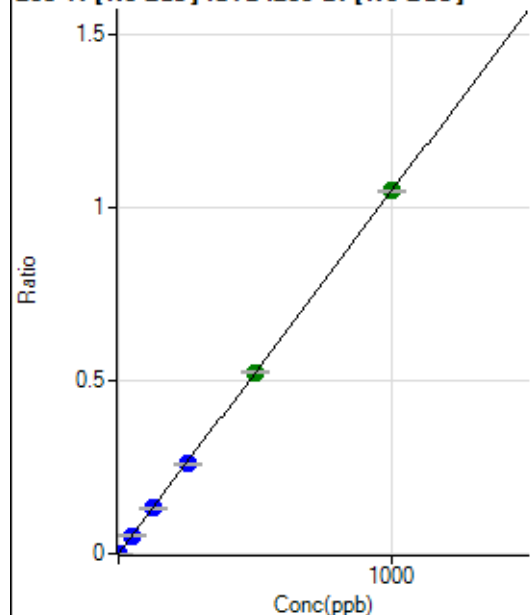
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 66.6 |
| 2 | <input type="checkbox"/> |       |            | 83.34  |       | P        | 20.0 |
| 3 | <input type="checkbox"/> |       |            | 47.22  |       | P        | 36.7 |
| 4 | <input type="checkbox"/> |       |            | 61.12  |       | P        | 34.3 |
| 5 | <input type="checkbox"/> |       |            | 72.23  |       | P        | 17.6 |
| 6 | <input type="checkbox"/> |       |            | 83.34  |       | P        | 26.5 |
| 7 | <input type="checkbox"/> |       |            | 77.78  |       | P        | 48.3 |
| 8 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 23.6 |
| 9 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 19.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 30.00 |       | P        | 33.3 |
| 2 | <input type="checkbox"/> |       |            | 21.11 |       | P        | 32.9 |
| 3 | <input type="checkbox"/> |       |            | 32.22 |       | P        | 33.3 |
| 4 | <input type="checkbox"/> |       |            | 31.11 |       | P        | 43.3 |
| 5 | <input type="checkbox"/> |       |            | 23.34 |       | P        | 49.5 |
| 6 | <input type="checkbox"/> |       |            | 35.56 |       | P        | 21.6 |
| 7 | <input type="checkbox"/> |       |            | 46.67 |       | P        | 12.4 |
| 8 | <input type="checkbox"/> |       |            | 41.11 |       | P        | 26.1 |
| 9 | <input type="checkbox"/> |       |            | 41.11 |       | P        | 4.7  |

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 80.56      | 0.0000 | P    | 5.2 |
| 2 | <input type="checkbox"/> | 0.100    | 0.087      | 725.05     | 0.0001 | P    | 9.6 |
| 3 | <input type="checkbox"/> | 1.000    | 0.886      | 6777.05    | 0.0009 | P    | 6.6 |
| 4 | <input type="checkbox"/> | 50.000   | 49.962     | 377911.48  | 0.0524 | P    | 2.6 |
| 5 | <input type="checkbox"/> | 125.000  | 125.571    | 951724.74  | 0.1318 | P    | 1.9 |
| 6 | <input type="checkbox"/> | 250.000  | 246.958    | 1811216.49 | 0.2591 | P    | 0.9 |
| 7 | <input type="checkbox"/> | 500.000  | 499.895    | 3507975.90 | 0.5245 | A    | 1.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.743   | 6664194.98 | 1.0501 | A    | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 875.07     | 0.0002 | P    | 9.3 |

$$y = 0.0010 * x + 1.0592E-005$$

$$R = 1.0000$$

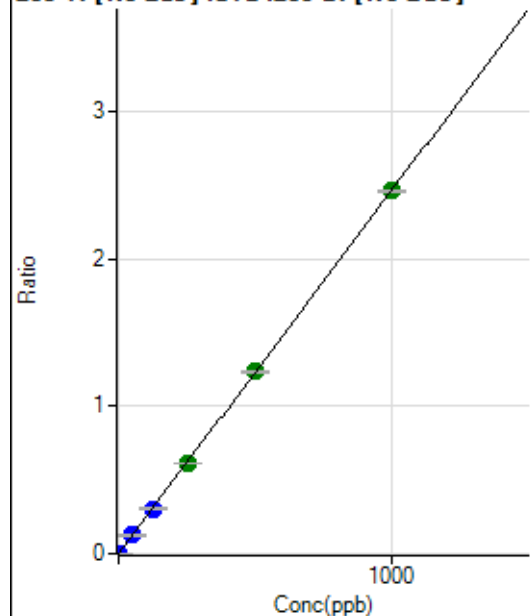
$$DL = 0.001577$$

$$BEC = 0.01009$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 197.23      | 0.0000 | P    | 34.2 |
| 2 | <input type="checkbox"/> | 0.100    | 0.090      | 1764.09     | 0.0002 | P    | 4.5  |
| 3 | <input type="checkbox"/> | 1.000    | 0.885      | 15896.23    | 0.0022 | P    | 3.1  |
| 4 | <input type="checkbox"/> | 50.000   | 50.732     | 899816.63   | 0.1249 | P    | 2.8  |
| 5 | <input type="checkbox"/> | 125.000  | 123.997    | 2203965.54  | 0.3051 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 250.000  | 247.686    | 4259949.57  | 0.6095 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 502.517    | 8269461.12  | 1.2365 | A    | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.409    | 15606681.25 | 2.4591 | A    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 2125.26     | 0.0004 | P    | 13.7 |

$$y = 0.0025 * x + 2.5887E-005$$

$$R = 1.0000$$

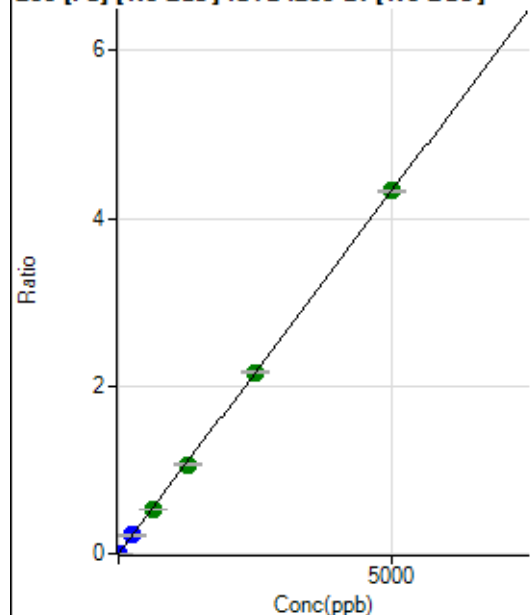
$$DL = 0.01078$$

$$BEC = 0.01052$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 257.42      | 0.0000 | P    | 9.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.094      | 822.28      | 0.0001 | P    | 2.9 |
| 3 | <input type="checkbox"/> | 1.000    | 0.922      | 5994.10     | 0.0008 | P    | 2.5 |
| 4 | <input type="checkbox"/> | 250.000  | 253.648    | 1581580.29  | 0.2194 | P    | 2.6 |
| 5 | <input type="checkbox"/> | 625.000  | 617.760    | 3859954.66  | 0.5344 | A    | 1.7 |
| 6 | <input type="checkbox"/> | 1250.000 | 1231.868   | 7448353.18  | 1.0656 | A    | 0.4 |
| 7 | <input type="checkbox"/> | 2500.000 | 2503.981   | 14486045.46 | 2.1660 | A    | 0.8 |
| 8 | <input type="checkbox"/> | 5000.000 | 5003.265   | 27467183.02 | 4.3280 | A    | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 7376.36     | 0.0014 | P    | 6.5 |

$$y = 8.6503\text{E-}004 * x + 3.3849\text{E-}005$$

$$R = 1.0000$$

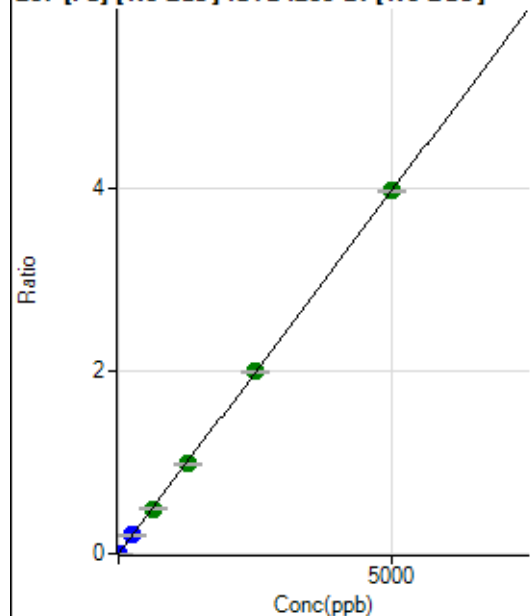
$$DL = 0.01117$$

$$BEC = 0.03913$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 214.82      | 0.0000 | P    | 11.0 |
| 2 | <input type="checkbox"/> | 0.100    | 0.086      | 687.07      | 0.0001 | P    | 8.2  |
| 3 | <input type="checkbox"/> | 1.000    | 0.876      | 5215.97     | 0.0007 | P    | 4.3  |
| 4 | <input type="checkbox"/> | 250.000  | 253.171    | 1448819.97  | 0.2010 | P    | 2.6  |
| 5 | <input type="checkbox"/> | 625.000  | 616.626    | 3535896.11  | 0.4896 | A    | 2.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1237.068   | 6864225.62  | 0.9822 | A    | 1.7  |
| 7 | <input type="checkbox"/> | 2500.000 | 2505.520   | 13303493.47 | 1.9892 | A    | 0.8  |
| 8 | <input type="checkbox"/> | 5000.000 | 5001.361   | 25199822.09 | 3.9707 | A    | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 6349.84     | 0.0012 | P    | 2.5  |

$$y = 7.9391\text{E-}004 * x + 2.8265\text{E-}005$$

$$R = 1.0000$$

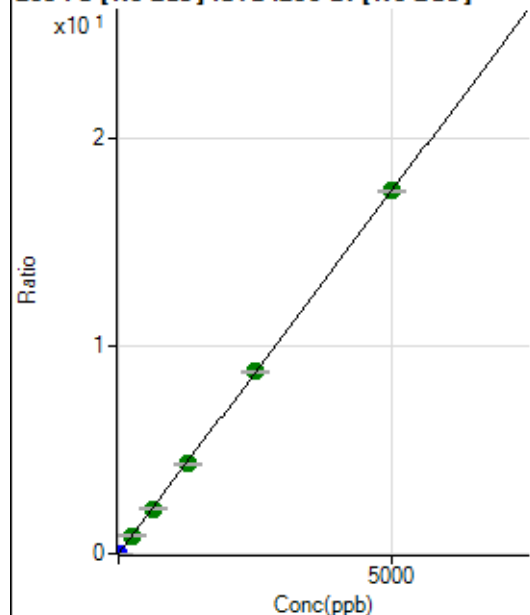
$$DL = 0.01175$$

$$BEC = 0.0356$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 953.75      | 0.0001  | P        | 6.1 |
| 2 | <input type="checkbox"/> | 0.100    | 0.092      | 3179.88     | 0.0004  | P        | 2.9 |
| 3 | <input type="checkbox"/> | 1.000    | 0.924      | 24138.91    | 0.0033  | P        | 2.0 |
| 4 | <input type="checkbox"/> | 250.000  | 250.817    | 6308288.29  | 0.8753  | A        | 2.6 |
| 5 | <input type="checkbox"/> | 625.000  | 619.830    | 15621265.14 | 2.1628  | A        | 2.0 |
| 6 | <input type="checkbox"/> | 1250.000 | 1236.124   | 30146359.12 | 4.3132  | A        | 1.0 |
| 7 | <input type="checkbox"/> | 2500.000 | 2505.298   | 58462942.39 | 8.7416  | A        | 0.5 |
| 8 | <input type="checkbox"/> | 5000.000 | 5001.426   | 110753026.3 | 17.4512 | A        | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 29625.06    | 0.0057  | P        | 4.6 |

$$y = 0.0035 * x + 1.2545E-004$$

$$R = 1.0000$$

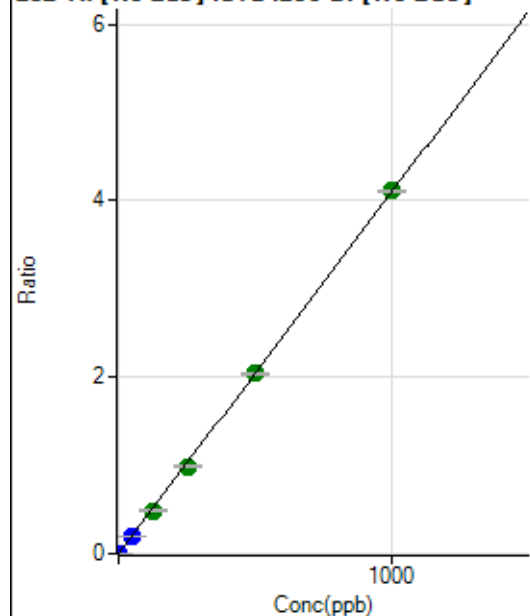
$$DL = 0.006586$$

$$BEC = 0.03595$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 637.07      | 0.0001 | P        | 9.8 |
| 2 | <input type="checkbox"/> | 0.100    | 0.013      | 968.59      | 0.0001 | P        | 8.7 |
| 3 | <input type="checkbox"/> | 1.000    | 0.005      | 748.19      | 0.0001 | P        | 7.4 |
| 4 | <input type="checkbox"/> | 50.000   | 47.085     | 1389701.11  | 0.1928 | P        | 3.0 |
| 5 | <input type="checkbox"/> | 125.000  | 118.748    | 3511582.77  | 0.4862 | A        | 2.0 |
| 6 | <input type="checkbox"/> | 250.000  | 241.599    | 6913184.30  | 0.9891 | A        | 0.9 |
| 7 | <input type="checkbox"/> | 500.000  | 497.826    | 13629950.77 | 2.0380 | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.116   | 26087718.40 | 4.1106 | A        | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 8795.80     | 0.0017 | P        | 7.0 |

$$y = 0.0041 * x + 8.3843E-005$$

$$R = 1.0000$$

$$DL = 0.006045$$

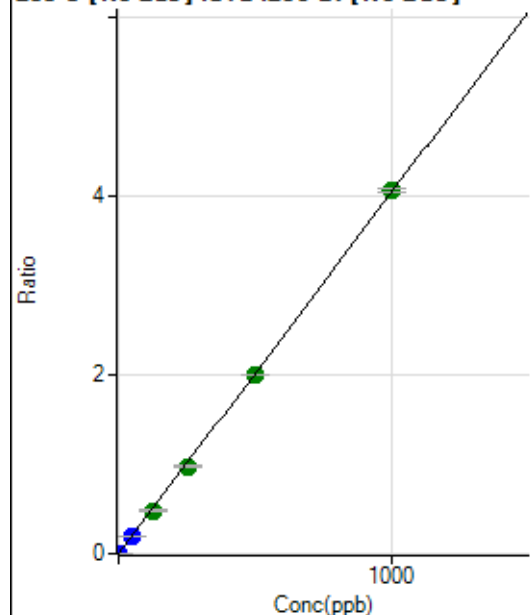
$$BEC = 0.02048$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00       | 0.0000 | P        | 43.7 |
| 2 | <input type="checkbox"/> | 0.100    | 0.084      | 2464.24     | 0.0003 | P        | 3.2  |
| 3 | <input type="checkbox"/> | 1.000    | 0.874      | 25453.56    | 0.0035 | P        | 2.3  |
| 4 | <input type="checkbox"/> | 50.000   | 47.790     | 1389096.93  | 0.1928 | P        | 3.0  |
| 5 | <input type="checkbox"/> | 125.000  | 118.343    | 3446956.80  | 0.4773 | A        | 2.9  |
| 6 | <input type="checkbox"/> | 250.000  | 242.184    | 6826866.43  | 0.9768 | A        | 1.3  |
| 7 | <input type="checkbox"/> | 500.000  | 496.237    | 13385224.17 | 2.0014 | A        | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.778   | 25718928.00 | 4.0524 | A        | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 3881.32     | 0.0007 | P        | 7.4  |

$$y = 0.0040 * x + 6.5695E-006$$

$$R = 0.9999$$

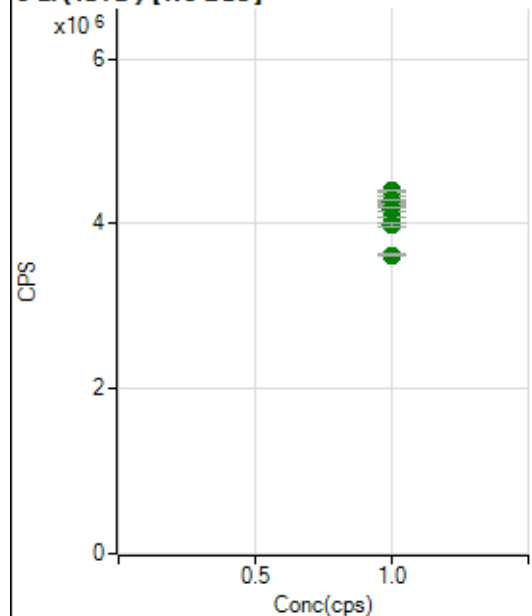
$$DL = 0.002137$$

$$BEC = 0.001629$$

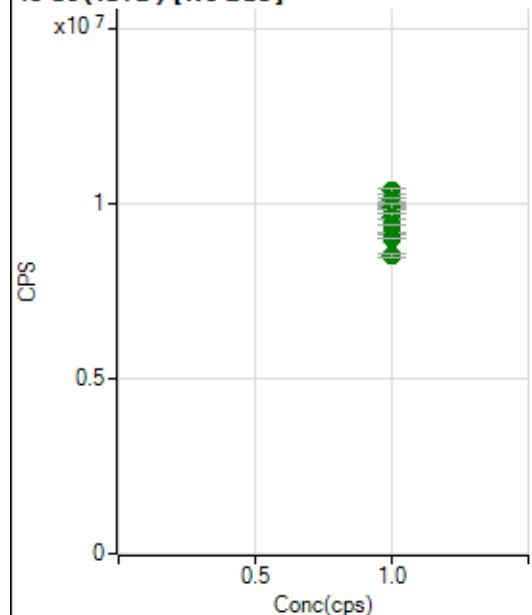
Weight: &lt;None&gt;

Min Conc: 0

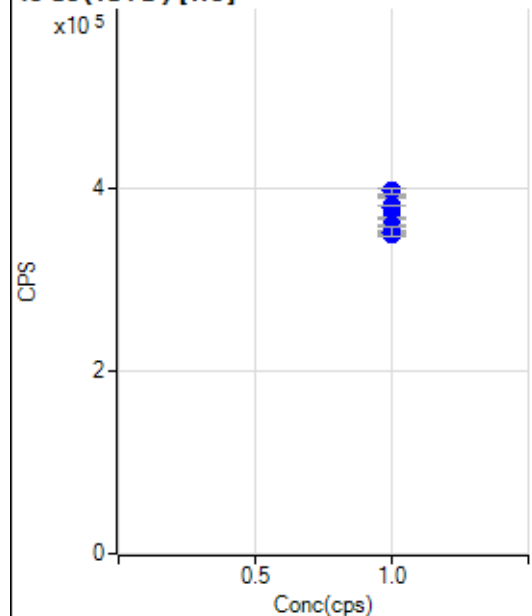
6 Li (ISTD) [No Gas]



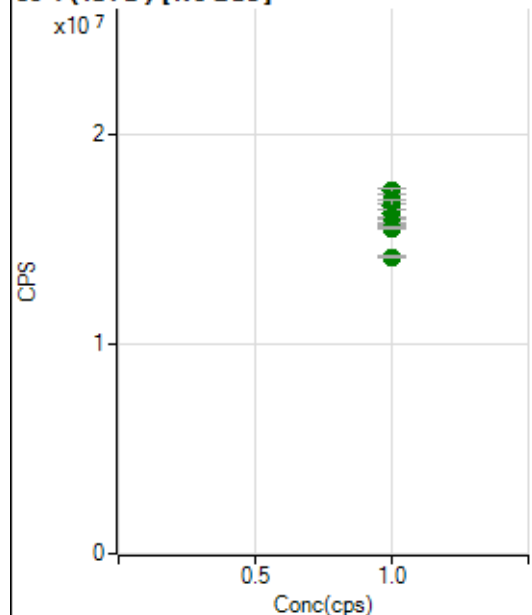
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4392817.19 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4240808.37 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4397736.36 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4298841.95 |       | A        | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4270422.47 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4174043.89 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4074919.07 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3987771.36 |       | A        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3622194.81 |       | A        | 1.0 |

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

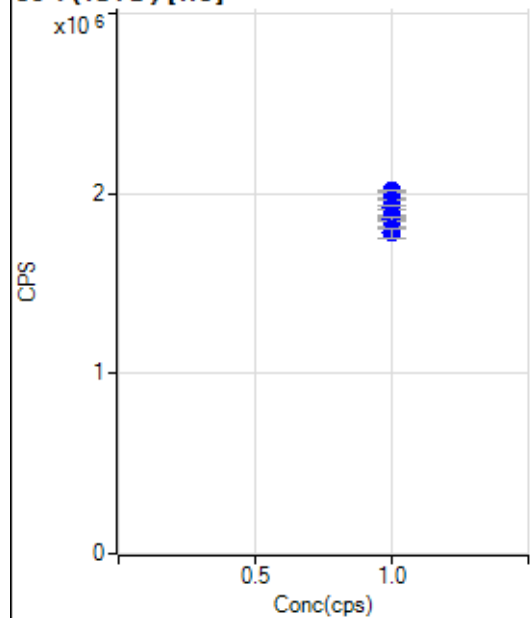
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10372354.98 |       | A        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9921526.24  |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10111671.38 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9918733.88  |       | A        | 1.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9637956.73  |       | A        | 2.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9401356.67  |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9147375.35  |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9018032.51  |       | A        | 0.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8509631.75  |       | A        | 1.0 |

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

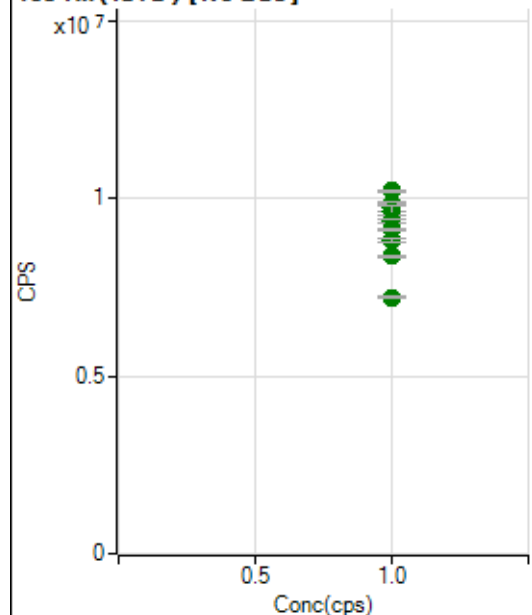
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 378916.94 |       | P        | 5.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 379827.54 |       | P        | 6.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 397456.87 |       | P        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 381602.86 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 367630.97 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 359471.94 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 353802.40 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 349149.35 |       | P        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 352298.79 |       | P        | 3.0 |

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

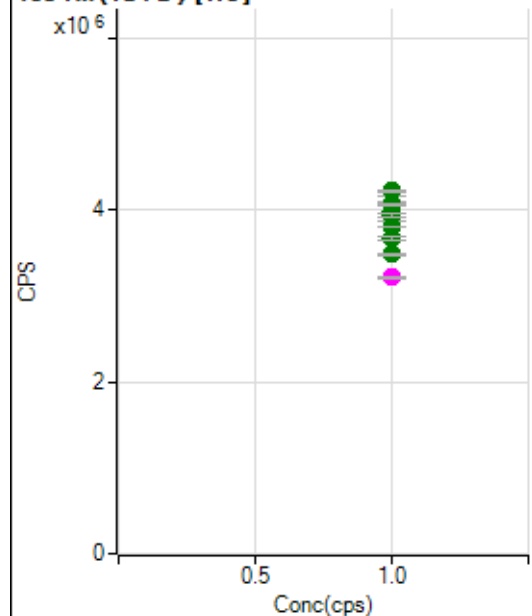
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 17338413.91 |       | A        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 16615804.61 |       | A        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 16914109.33 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 16673941.97 |       | A        | 2.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 16261001.84 |       | A        | 2.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 16045741.70 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 15769524.90 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 15563937.27 |       | A        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 14184769.79 |       | A        | 0.7 |

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

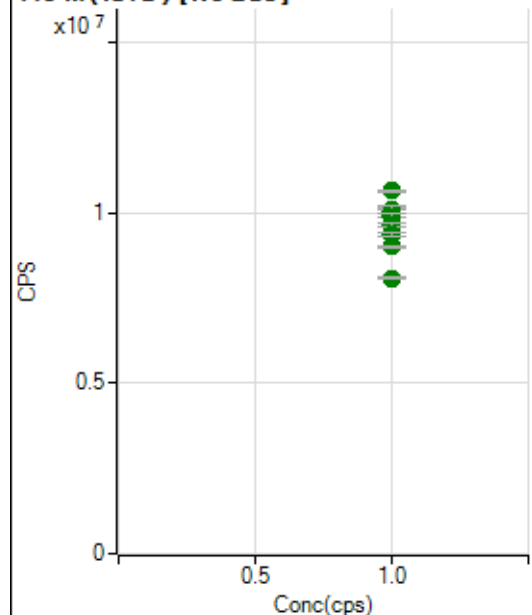
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1922394.12 |       | P        | 5.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1913262.07 |       | P        | 5.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2013049.85 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1965387.94 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1918268.32 |       | P        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1876423.03 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1856109.05 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1806229.97 |       | P        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1777091.33 |       | P        | 2.7 |

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

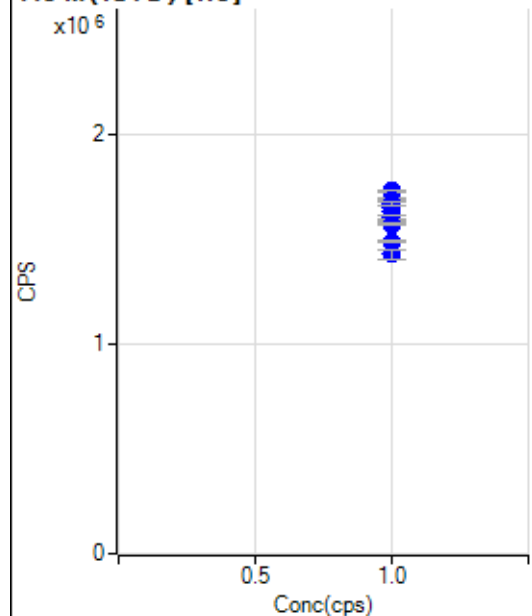
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10210331.10 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9730179.85  |       | A        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9869257.01  |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9654864.85  |       | A        | 3.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9372960.28  |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9138263.12  |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8806977.86  |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8366656.82  |       | A        | 0.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7220115.59  |       | A        | 0.9 |

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

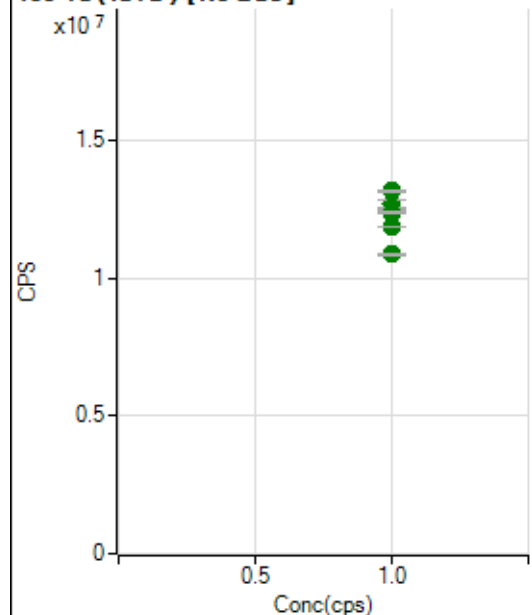
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4069926.60 |       | A        | 4.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3980549.35 |       | A        | 6.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4220941.95 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4057439.31 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3934885.08 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3801722.79 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3665808.07 |       | A        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3480485.85 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3211039.85 |       | M        | 1.3 |

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

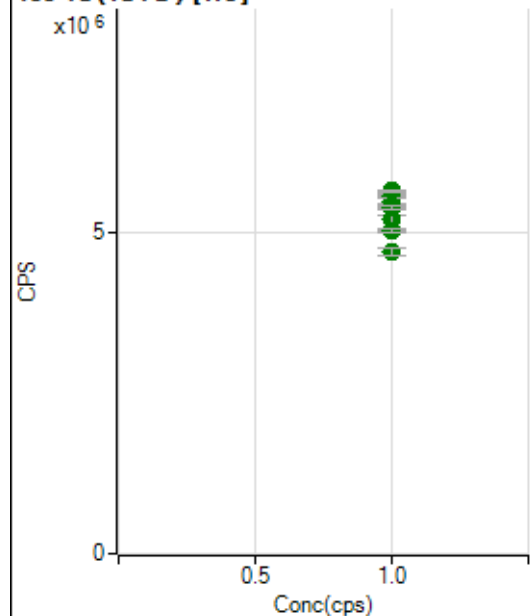
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10631160.40 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9923943.24  |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10110359.75 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10034610.21 |       | A        | 3.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9840324.50  |       | A        | 3.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9625780.14  |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9341941.94  |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8991466.35  |       | A        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8078603.16  |       | A        | 0.4 |

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

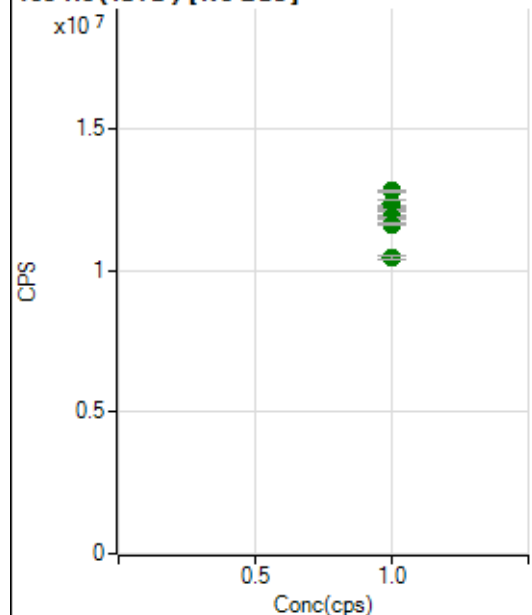
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1651636.09 |       | P        | 5.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1634566.52 |       | P        | 6.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1730269.58 |       | P        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1690618.07 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1666786.57 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1604790.78 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1570950.59 |       | P        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1490106.23 |       | P        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1430324.33 |       | P        | 3.2 |

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

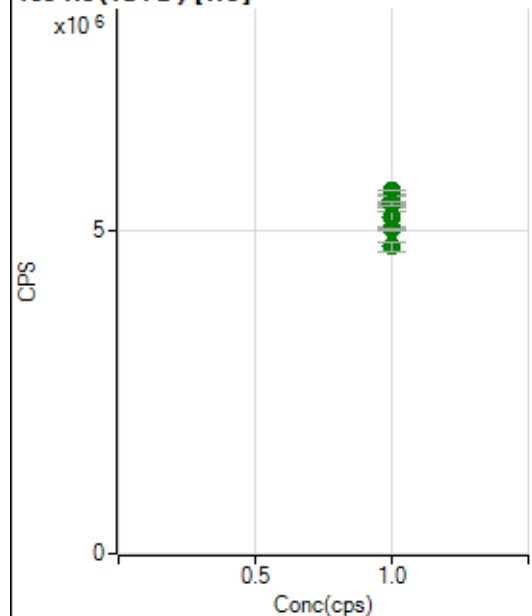
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 13186073.28 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 12500517.04 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 12586919.81 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12693429.25 |       | A        | 2.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 12704102.31 |       | A        | 2.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 12569799.12 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 12398658.29 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11889257.04 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 10871229.28 |       | A        | 0.6 |

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

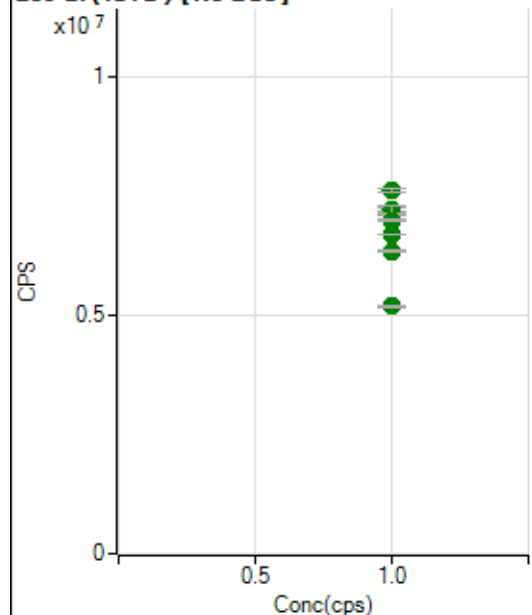
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5414390.02 |       | A        | 5.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5185316.34 |       | A        | 6.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5562609.22 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5480381.55 |       | A        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5636154.85 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5415562.59 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5371606.76 |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5015889.30 |       | A        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4693352.67 |       | A        | 2.4 |

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

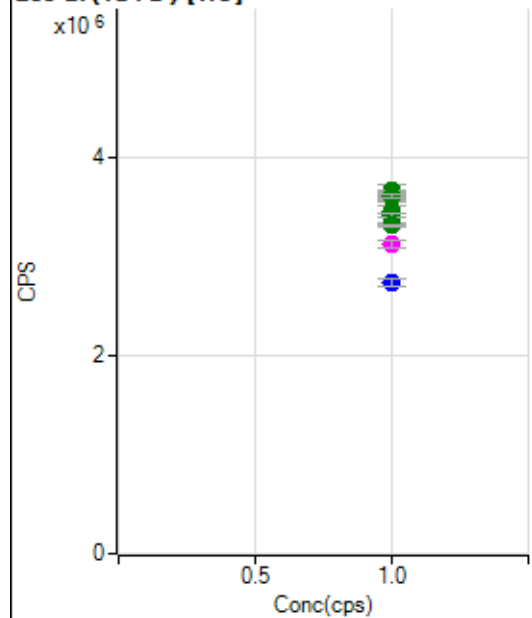
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12800719.39 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 11892841.07 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 12134638.98 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12099751.21 |       | A        | 3.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 12352580.23 |       | A        | 1.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 12115723.43 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11845310.38 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11618891.91 |       | A        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 10449886.03 |       | A        | 0.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5428169.26 |       | A        | 5.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5210801.69 |       | A        | 5.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5543099.43 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5557417.69 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5613672.41 |       | A        | 0.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5470825.78 |       | A        | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5413882.83 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5019424.51 |       | A        | 0.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4755886.29 |       | A        | 3.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7603798.50 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7124206.56 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7210784.96 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7210256.00 |       | A        | 2.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7224452.81 |       | A        | 2.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6989783.02 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6687897.54 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6346433.80 |       | A        | 0.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5181403.71 |       | A        | 0.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3624325.64 |       | A        | 5.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3463936.79 |       | A        | 6.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3670925.78 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3594225.43 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3615772.24 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3433842.59 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3318500.30 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3135707.73 |       | M        | 2.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2743464.40 |       | P        | 2.6 |



US EPA Tune Check Sample Report

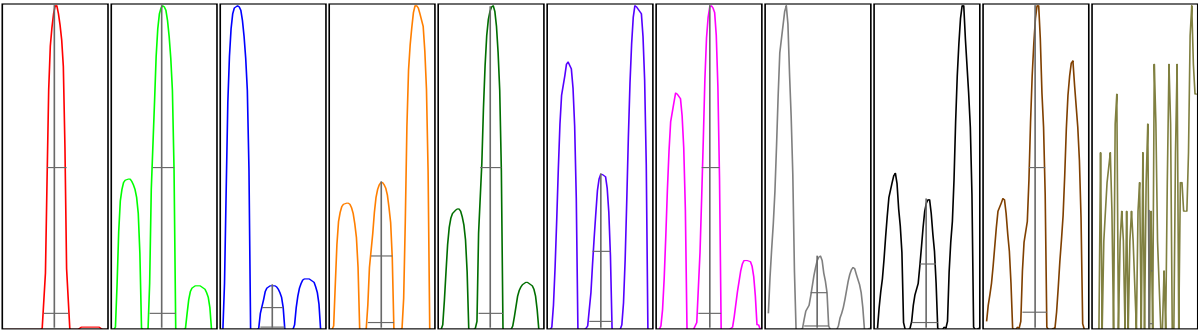
Batch Folder D:\ICP-MS Data\1\DATA\P7072020B.b  
Report Comment  
Instrument Name G8403A JP14410463

[No Gas]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) | RSD%<br>(Flag) |
|------|-----------------|------------------|--------------------|----------------|
| 9    | 10574           | 0.79             | 5.00               |                |
| 24   | 144361          | 0.63             | 5.00               |                |
| 25   | 19382           | 0.72             | 5.00               |                |
| 26   | 22513           | 1.32             | 5.00               |                |
| 59   | 64009           | 1.19             | 5.00               |                |
| 113  | 9375            | 0.82             | 5.00               |                |
| 115  | 26738           | 0.42             | 5.00               |                |
| 206  | 10679           | 1.50             | 5.00               |                |
| 207  | 8925            | 1.06             | 5.00               |                |
| 208  | 22190           | 1.37             | 5.00               |                |
| 220  | 0               | 25.91            |                    |                |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 9    | 10479                | 10503                | 10576                | 10641                | 10671                |
| 24   | 143732               | 143810               | 143611               | 145055               | 145598               |
| 25   | 19177                | 19343                | 19378                | 19549                | 19464                |
| 26   | 22142                | 22315                | 22489                | 22828                | 22790                |
| 59   | 63053                | 63407                | 64147                | 64636                | 64802                |
| 113  | 9298                 | 9306                 | 9359                 | 9455                 | 9455                 |
| 115  | 26860                | 26809                | 26717                | 26740                | 26563                |
| 206  | 10465                | 10585                | 10676                | 10834                | 10836                |
| 207  | 8758                 | 8944                 | 8961                 | 8991                 | 8972                 |
| 208  | 21735                | 22041                | 22276                | 22427                | 22471                |
| 220  | 0                    | 0                    | 0                    | 0                    | 0                    |

Integration Time [sec] = 0.1



| Mass | Peak<br>Height | Axis<br>(Actual) | Axis<br>(Required) | Axis<br>(Flag) | Width-X%<br>(Actual) | Width-X%<br>(Required) | Width-<br>X%<br>(Flag) |
|------|----------------|------------------|--------------------|----------------|----------------------|------------------------|------------------------|
| 9    | 20003          | 9.00             | 8.9 - 9.1          |                | 0.723                | 0.900                  |                        |
| 24   | 238710         | 23.95            | 23.9 - 24.1        |                | 0.778                | 0.900                  |                        |
| 25   | 32433          | 25.00            | 24.9 - 25.1        |                | 0.741                | 0.900                  |                        |
| 26   | 37656          | 26.00            | 25.9 - 26.1        |                | 0.780                | 0.900                  |                        |
| 59   | 111967         | 59.00            | 58.9 - 59.1        |                | 0.740                | 0.900                  |                        |
| 113  | 18322          | 113.05           | 112.9 - 113.1      |                | 0.689                | 0.900                  |                        |
| 115  | 52498          | 115.05           | 114.9 - 115.1      |                | 0.688                | 0.900                  |                        |
| 206  | 22539          | 206.00           | 205.9 - 206.1      |                | 0.733                | 0.900                  |                        |
| 207  | 19034          | 207.00           | 206.9 - 207.1      |                | 0.754                | 0.900                  |                        |
| 208  | 47232          | 208.00           | 207.9 - 208.1      |                | 0.736                | 0.900                  |                        |
| 220  | 0              | 220.15           | -                  |                | 0.095                |                        |                        |

X% = 5 Integration Time [sec] = 0.1 Acquisition Time [sec] = 268 Y Axis = Linear

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName       | Value | Unit         |
|---------------|-------|------|----------------|-------|-------|---------------------|-------|--------------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.76  | L/min | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.37 L/min   |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 7.4   | V    | Deflect       | 12.6  | V    |
| Extract 2     | -125.0 | V    | Cell Entrance | -30   | V    | Plate Bias    | -35   | V    |
| Omega Bias    | -50    | V    | Cell Exit     | -50   | V    |               |       |      |

## Cell Parameters ##

| ParameterName | Value | Unit   | ParameterName | Value | Unit | ParameterName         | Value | Unit  |
|---------------|-------|--------|---------------|-------|------|-----------------------|-------|-------|
| Use Gas       | No    |        | OctP Bias     | -8.0  | V    | Energy Discrimination |       | 5.0 V |
| He Flow       | 0.0   | mL/min | OctP RF       | 170   | V    |                       |       |       |

[He]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) |
|------|-----------------|------------------|--------------------|
| 59   | 14787           | 1.34             |                    |
| 89   | 40307           | 1.65             |                    |
| 205  | 25860           | 0.63             |                    |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 59   | 14550                | 15071                | 14872                | 14759                | 14683                |
| 89   | 39532                | 41038                | 40930                | 40217                | 39817                |
| 205  | 25873                | 26126                | 25824                | 25788                | 25689                |

Integration Time [sec] = 0.1

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName       | Value | Unit         |
|---------------|-------|------|----------------|-------|-------|---------------------|-------|--------------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.76  | L/min | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.37 L/min   |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 7.3   | V    | Deflect       | 1.8   | V    |
| Extract 2     | -125.0 | V    | Cell Entrance | -40   | V    | Plate Bias    | -60   | V    |
| Omega Bias    | -55    | V    | Cell Exit     | -60   | V    |               |       |      |

## Cell Parameters ##

| ParameterName | Value | Unit   | ParameterName | Value | Unit | ParameterName         | Value | Unit  |
|---------------|-------|--------|---------------|-------|------|-----------------------|-------|-------|
| Use Gas       | Yes   |        | OctP Bias     | -18.0 | V    | Energy Discrimination |       | 5.0 V |
| He Flow       | 4.1   | mL/min | OctP RF       | 200   | V    |                       |       |       |