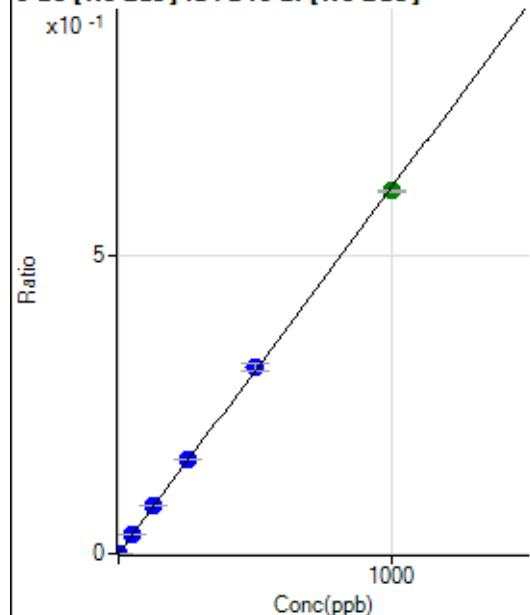


Calibration for 005CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8121622-MS.b\  
 Analysis File: P8121622-MS.batch.bin  
 DA Date-Time: 2022-12-19 17:27:17  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2022-12-16 14:41:33 |
| 2     | 005CALS.d          | S02         | 2022-12-16 14:47:58 |
| 3     | 006CALS.d          | S03         | 2022-12-16 14:51:12 |
| 4     | 007CALS.d          | S04         | 2022-12-16 14:54:21 |
| 5     | 008CALS.d          | S05         | 2022-12-16 14:57:31 |
| 6     | 009CALS.d          | S06         | 2022-12-16 15:00:37 |
| 7     | 010CALS.d          | S07         | 2022-12-16 15:03:46 |
| 8     | 011CALS.d          | S08         | 2022-12-16 15:06:52 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 40.00      | 0.0000 | P    | 4.4  |
| 2 | <input type="checkbox"/> | 1.000    | 1.131      | 2104.90    | 0.0007 | P    | 9.7  |
| 3 | <input type="checkbox"/> | 50.000   | 52.863     | 102247.73  | 0.0326 | P    | 1.4  |
| 4 | <input type="checkbox"/> | 125.000  | 130.970    | 254024.06  | 0.0806 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 259.314    | 492536.72  | 0.1597 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 511.194    | 959288.99  | 0.3147 | P    | 3.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.185    | 1855576.44 | 0.6102 | A    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 352.05     | 0.0001 | P    | 15.8 |

$$y = 6.1564\text{E-}004 * x + 1.2736\text{E-}005$$

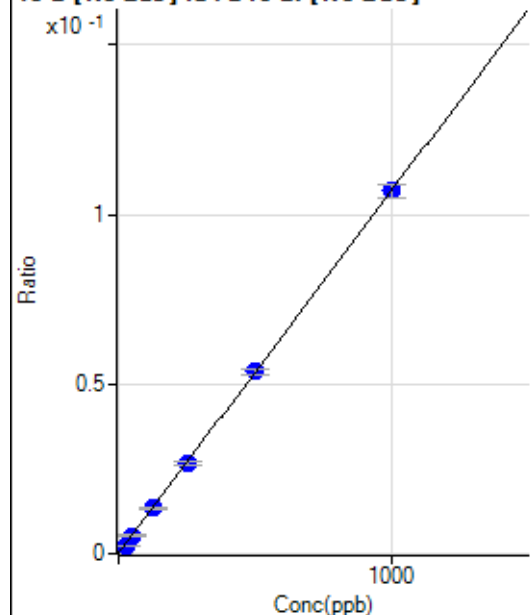
$$R = 0.9999$$

$$DL = 0.002738$$

$$BEC = 0.02069$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 329.94    | 0.0001 | P    | 8.4  |
| 2 | <input type="checkbox"/> | 25.000   | 19.196     | 6400.15   | 0.0022 | P    | 12.5 |
| 3 | <input type="checkbox"/> | 50.000   | 49.322     | 16886.35  | 0.0054 | P    | 4.3  |
| 4 | <input type="checkbox"/> | 125.000  | 125.236    | 42496.05  | 0.0135 | P    | 2.9  |
| 5 | <input type="checkbox"/> | 250.000  | 248.287    | 82191.23  | 0.0266 | P    | 5.1  |
| 6 | <input type="checkbox"/> | 500.000  | 501.848    | 163934.07 | 0.0537 | P    | 3.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.654    | 325043.48 | 0.1070 | P    | 4.0  |
| 8 | <input type="checkbox"/> |          |            | 25859.71  | 0.0091 | P    | 10.1 |

$$y = 1.0688\text{E-}004 * x + 1.0507\text{E-}004$$

$$R = 1.0000$$

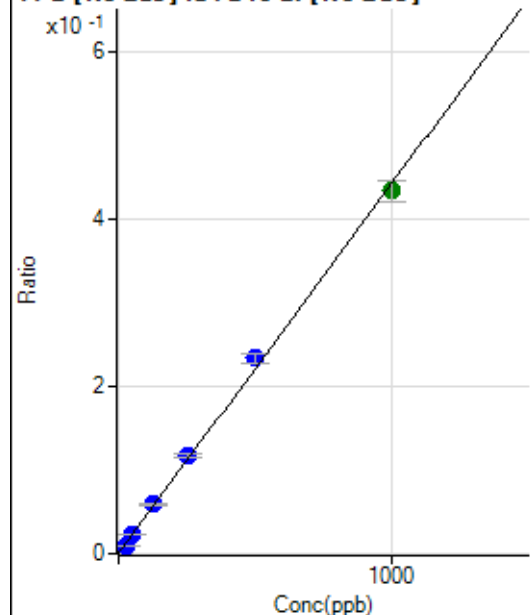
$$DL = 0.2491$$

$$BEC = 0.983$$

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      | 1522.45    | 0.0005 | P    | 6.7 |
| 2 | <input type="checkbox"/> | 25.000   | 20.305     | 28107.92   | 0.0095 | P    | 9.0 |
| 3 | <input type="checkbox"/> | 50.000   | 51.980     | 73693.62   | 0.0235 | P    | 4.6 |
| 4 | <input type="checkbox"/> | 125.000  | 132.172    | 185613.08  | 0.0589 | P    | 3.5 |
| 5 | <input type="checkbox"/> | 250.000  | 265.670    | 363863.89  | 0.1179 | P    | 3.0 |
| 6 | <input type="checkbox"/> | 500.000  | 528.543    | 714006.68  | 0.2342 | P    | 4.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 980.933    | 1319242.95 | 0.4342 | A    | 6.0 |
| 8 | <input type="checkbox"/> |          |            | 112799.84  | 0.0399 | P    | 9.4 |

$$y = 4.4214\text{E-}004 * x + 4.8501\text{E-}004$$

$$R = 0.9992$$

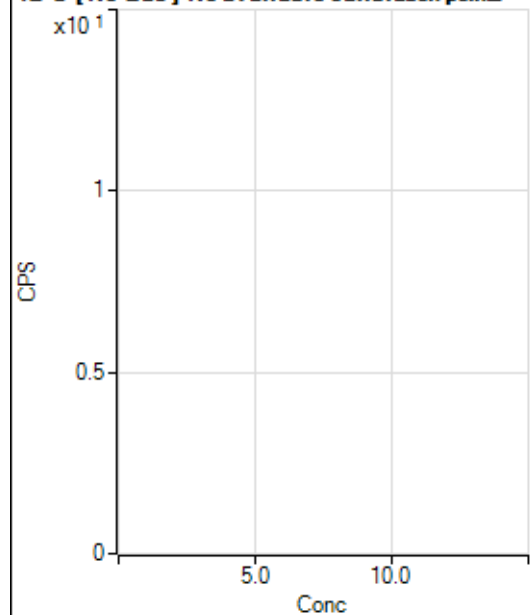
$$DL = 0.222$$

$$BEC = 1.097$$

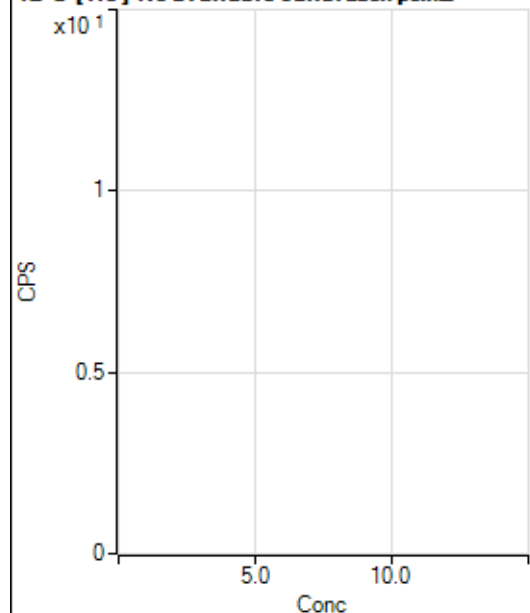
Weight: &lt;None&gt;

Min Conc: 0

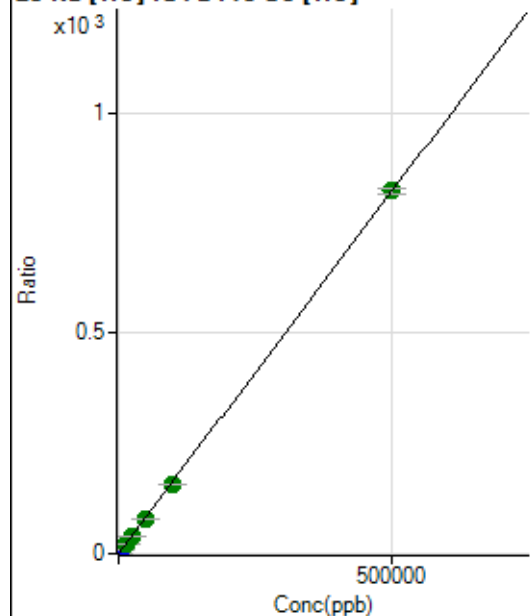
12 C [No Gas] No available calibration points



|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> |       |            | 6687336.87 |       | A    | 0.7 |
| 2 | <input type="checkbox"/> |       |            | 6624239.25 |       | A    | 1.1 |
| 3 | <input type="checkbox"/> |       |            | 6922658.84 |       | A    | 1.2 |
| 4 | <input type="checkbox"/> |       |            | 7009752.59 |       | A    | 0.8 |
| 5 | <input type="checkbox"/> |       |            | 6969577.41 |       | A    | 1.5 |
| 6 | <input type="checkbox"/> |       |            | 7215067.18 |       | A    | 0.8 |
| 7 | <input type="checkbox"/> |       |            | 7412052.42 |       | A    | 1.5 |
| 8 | <input type="checkbox"/> |       |            | 7155589.31 |       | A    | 0.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 69344.81 |       | P        | 2.2 |
| 2 | <input type="checkbox"/> |       |            | 69210.40 |       | P        | 1.0 |
| 3 | <input type="checkbox"/> |       |            | 71691.97 |       | P        | 2.2 |
| 4 | <input type="checkbox"/> |       |            | 73642.95 |       | P        | 1.5 |
| 5 | <input type="checkbox"/> |       |            | 74773.60 |       | P        | 1.2 |
| 6 | <input type="checkbox"/> |       |            | 74492.23 |       | P        | 1.4 |
| 7 | <input type="checkbox"/> |       |            | 78007.34 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> |       |            | 77074.45 |       | P        | 0.3 |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 15414.02    | 0.1690   | P        | 1.4 |
| 2 | <input type="checkbox"/> | 500.000   | 465.117    | 84003.85    | 0.9323   | P        | 5.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 4935.388   | 760257.95   | 8.2683   | P        | 1.9 |
| 4 | <input type="checkbox"/> | 12500.000 | 12595.258  | 1870468.94  | 20.8385  | A        | 2.0 |
| 5 | <input type="checkbox"/> | 25000.000 | 24545.638  | 3616999.91  | 40.4497  | A        | 3.1 |
| 6 | <input type="checkbox"/> | 50000.000 | 48207.696  | 7026608.49  | 79.2805  | A        | 2.7 |
| 7 | <input type="checkbox"/> | 100000.00 | 95223.769  | 14180756.74 | 156.4364 | A        | 1.6 |
| 8 | <input type="checkbox"/> | 500000.00 | 501155.49  | 71392192.57 | 822.5922 | A        | 1.5 |

$$y = 0.0016 * x + 0.1690$$

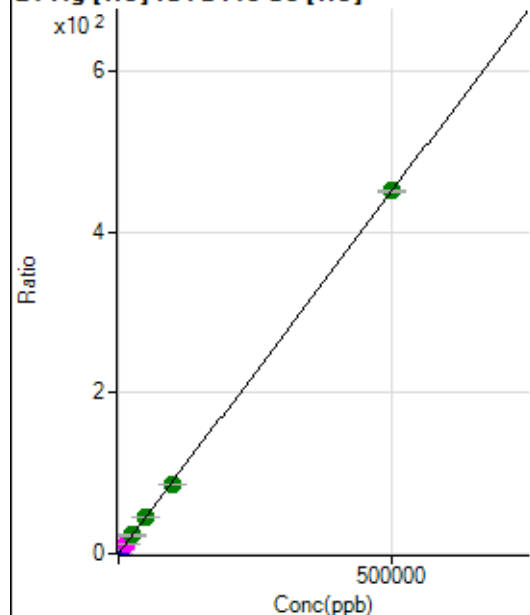
$$R = 0.9999$$

$$DL = 4.29$$

$$BEC = 103$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 300.01      | 0.0033   | P        | 21.0 |
| 2 | <input type="checkbox"/> | 500.000   | 478.977    | 39195.24    | 0.4350   | P        | 5.5  |
| 3 | <input type="checkbox"/> | 5000.000  | 5102.561   | 423172.21   | 4.6022   | P        | 1.6  |
| 4 | <input type="checkbox"/> | 12500.000 | 12741.030  | 1031049.29  | 11.4868  | M        | 0.9  |
| 5 | <input type="checkbox"/> | 25000.000 | 25595.692  | 2062973.90  | 23.0727  | A        | 4.1  |
| 6 | <input type="checkbox"/> | 50000.000 | 50188.205  | 4009299.91  | 45.2380  | A        | 2.7  |
| 7 | <input type="checkbox"/> | 100000.00 | 95482.253  | 7801403.47  | 86.0615  | A        | 1.2  |
| 8 | <input type="checkbox"/> | 500000.00 | 500847.91  | 39181069.97 | 451.4178 | A        | 0.7  |

$$y = 9.0130\text{E-}004 * x + 0.0033$$

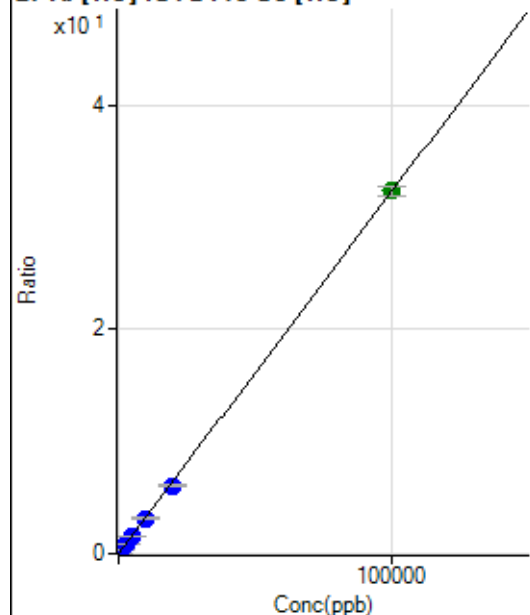
$$R = 0.9999$$

$$DL = 2.301$$

$$BEC = 3.655$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 64.57      | 0.0007  | P        | 17.7 |
| 2 | <input type="checkbox"/> | 20.000    | 18.986     | 615.77     | 0.0068  | P        | 4.4  |
| 3 | <input type="checkbox"/> | 1000.000  | 1002.958   | 29791.21   | 0.3240  | P        | 0.7  |
| 4 | <input type="checkbox"/> | 2500.000  | 2444.582   | 70783.93   | 0.7887  | P        | 0.2  |
| 5 | <input type="checkbox"/> | 5000.000  | 4953.088   | 142829.06  | 1.5972  | P        | 2.7  |
| 6 | <input type="checkbox"/> | 10000.000 | 9733.104   | 278101.61  | 3.1380  | P        | 3.0  |
| 7 | <input type="checkbox"/> | 20000.000 | 18766.248  | 548377.18  | 6.0496  | P        | 2.1  |
| 8 | <input type="checkbox"/> | 100000.00 | 100277.14  | 2805982.51 | 32.3230 | A        | 2.8  |

$$y = 3.2233\text{E-}004 * x + 7.0837\text{E-}004$$

$$R = 0.9999$$

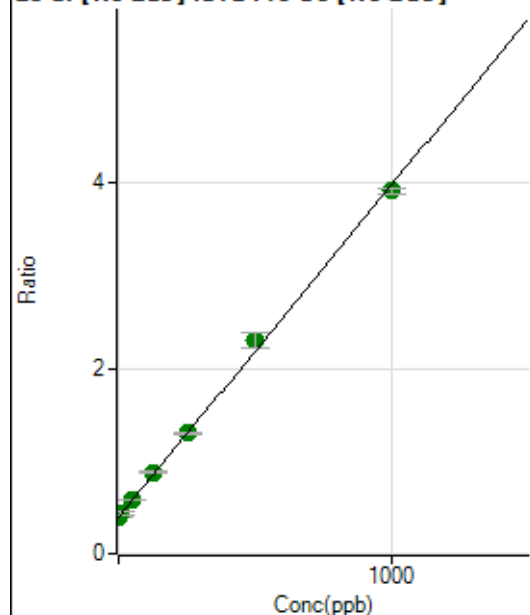
$$DL = 1.169$$

$$BEC = 2.198$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1210318.11  | 0.3946 | A   | 4.1 |
| 2 | <input type="checkbox"/> | 10.000   | 13.304     | 1244959.56  | 0.4423 | A   | 7.8 |
| 3 | <input type="checkbox"/> | 50.000   | 52.392     | 1788936.58  | 0.5825 | A   | 2.8 |
| 4 | <input type="checkbox"/> | 125.000  | 135.458    | 2678300.30  | 0.8804 | A   | 1.0 |
| 5 | <input type="checkbox"/> | 250.000  | 252.219    | 3906492.58  | 1.2991 | A   | 0.3 |
| 6 | <input type="checkbox"/> | 500.000  | 531.590    | 6805420.38  | 2.3009 | A   | 6.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 982.190    | 11886580.39 | 3.9168 | A   | 1.5 |
| 8 | <input type="checkbox"/> |          |            | 1305159.55  | 0.4417 | A   | 3.0 |

$$y = 0.0036 * x + 0.3946$$

$$R = 0.9992$$

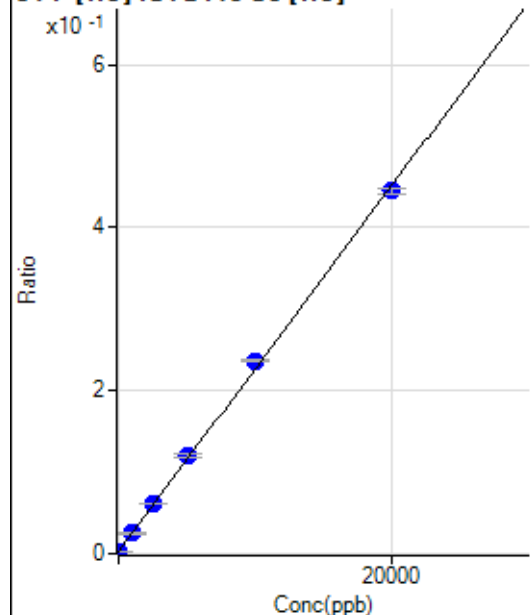
$$DL = 13.43$$

$$BEC = 110$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 1.752      | 250.01   | 0.0027 | P   | 16.2 |
| 2 | <input type="checkbox"/> | 0.000     | -1.752     | 238.90   | 0.0027 | P   | 25.6 |
| 3 | <input type="checkbox"/> | 1000.000  | 1007.067   | 2325.24  | 0.0253 | P   | 5.6  |
| 4 | <input type="checkbox"/> | 2500.000  | 2632.238   | 5542.85  | 0.0617 | P   | 1.7  |
| 5 | <input type="checkbox"/> | 5000.000  | 5202.497   | 10676.40 | 0.1194 | P   | 4.1  |
| 6 | <input type="checkbox"/> | 10000.000 | 10413.857  | 20943.37 | 0.2363 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 20000.000 | 19725.564  | 40356.91 | 0.4452 | P   | 1.6  |
| 8 | <input type="checkbox"/> |           |            | 247.23   | 0.0029 | P   | 14.9 |

$$y = 2.2432E-005 * x + 0.0027$$

$$R = 0.9996$$

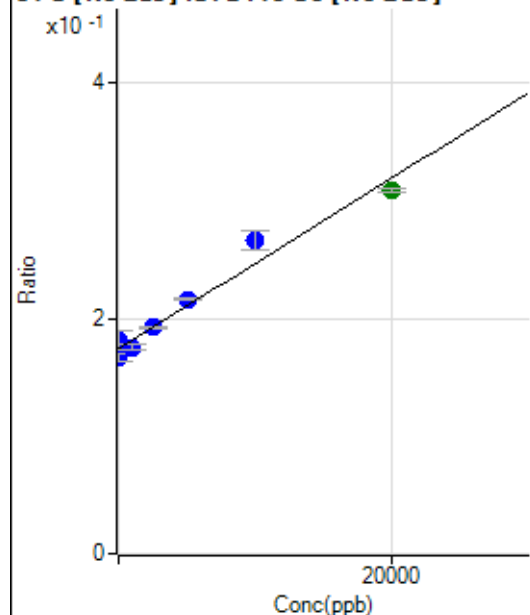
$$DL = 75.16$$

$$BEC = 120.4$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -974.211   | 513008.23 | 0.1673 | P    | 4.0 |
| 2 | <input type="checkbox"/> | 0.000     | 974.211    | 510239.48 | 0.1814 | P    | 8.7 |
| 3 | <input type="checkbox"/> | 1000.000  | 161.836    | 539046.06 | 0.1755 | P    | 2.2 |
| 4 | <input type="checkbox"/> | 2500.000  | 2473.202   | 584906.54 | 0.1923 | P    | 1.2 |
| 5 | <input type="checkbox"/> | 5000.000  | 5819.624   | 651070.45 | 0.2165 | P    | 1.3 |
| 6 | <input type="checkbox"/> | 10000.000 | 12700.165  | 788101.27 | 0.2664 | P    | 6.6 |
| 7 | <input type="checkbox"/> | 20000.000 | 18490.269  | 935998.70 | 0.3084 | A    | 1.1 |
| 8 | <input type="checkbox"/> |           |            | 438093.06 | 0.1482 | P    | 1.2 |

$$y = 7.2502\text{E-}006 * x + 0.1743$$

$$R = 0.9803$$

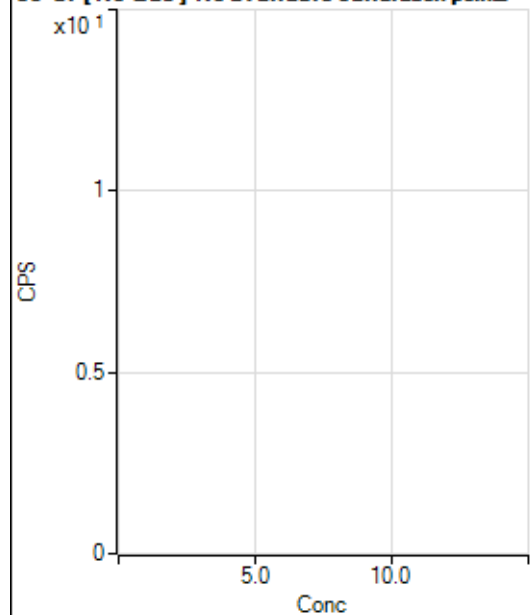
$$DL = 4635$$

$$BEC = 2.405\text{E}+04$$

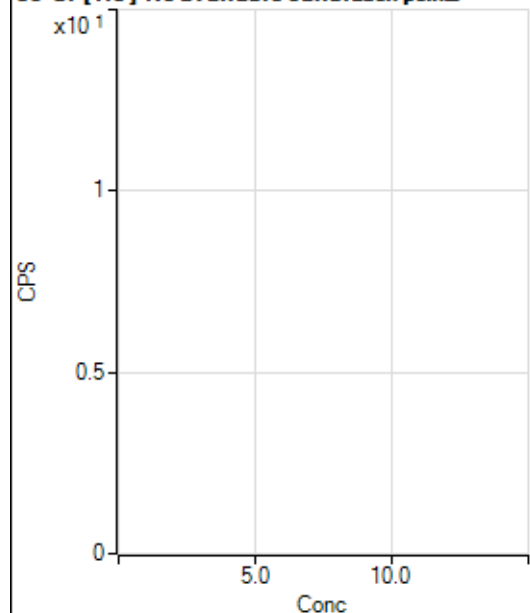
Weight: &lt;None&gt;

Min Conc: 0

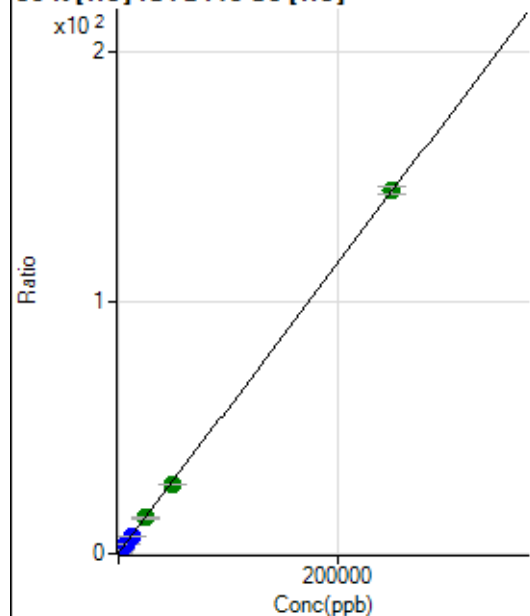
35 Cl [No Gas] No available calibration points



|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS       | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-----------|-------|------|-----|
| 1 | <input type="checkbox"/> |       |            | 150105.37 |       | P    | 0.4 |
| 2 | <input type="checkbox"/> |       |            | 149993.09 |       | P    | 1.2 |
| 3 | <input type="checkbox"/> |       |            | 177193.95 |       | P    | 1.3 |
| 4 | <input type="checkbox"/> |       |            | 174017.53 |       | P    | 1.1 |
| 5 | <input type="checkbox"/> |       |            | 179576.92 |       | P    | 1.3 |
| 6 | <input type="checkbox"/> |       |            | 183400.30 |       | P    | 1.3 |
| 7 | <input type="checkbox"/> |       |            | 187510.95 |       | P    | 0.7 |
| 8 | <input type="checkbox"/> |       |            | 176429.57 |       | P    | 0.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 911.16  |       | P        | 13.0 |
| 2 | <input type="checkbox"/> |       |            | 950.06  |       | P        | 17.1 |
| 3 | <input type="checkbox"/> |       |            | 1038.95 |       | P        | 13.2 |
| 4 | <input type="checkbox"/> |       |            | 1002.84 |       | P        | 2.9  |
| 5 | <input type="checkbox"/> |       |            | 1138.97 |       | P        | 6.6  |
| 6 | <input type="checkbox"/> |       |            | 1041.73 |       | P        | 7.6  |
| 7 | <input type="checkbox"/> |       |            | 1147.30 |       | P        | 6.9  |
| 8 | <input type="checkbox"/> |       |            | 980.62  |       | P        | 4.2  |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 24713.31    | 0.2710   | P        | 3.6 |
| 2 | <input type="checkbox"/> | 500.000   | 457.197    | 48130.71    | 0.5341   | P        | 5.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2458.774   | 155027.51   | 1.6860   | P        | 1.1 |
| 4 | <input type="checkbox"/> | 6250.000  | 5920.220   | 330107.45   | 3.6780   | P        | 1.0 |
| 5 | <input type="checkbox"/> | 12500.000 | 11967.892  | 640180.66   | 7.1583   | P        | 1.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 24234.078  | 1259962.95  | 14.2171  | A        | 2.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 47354.869  | 2494967.62  | 27.5226  | A        | 0.6 |
| 8 | <input type="checkbox"/> | 250000.00 | 250640.96  | 12544158.87 | 144.5088 | A        | 2.1 |

$$y = 5.7548\text{E-}004 * x + 0.2710$$

$$R = 0.9999$$

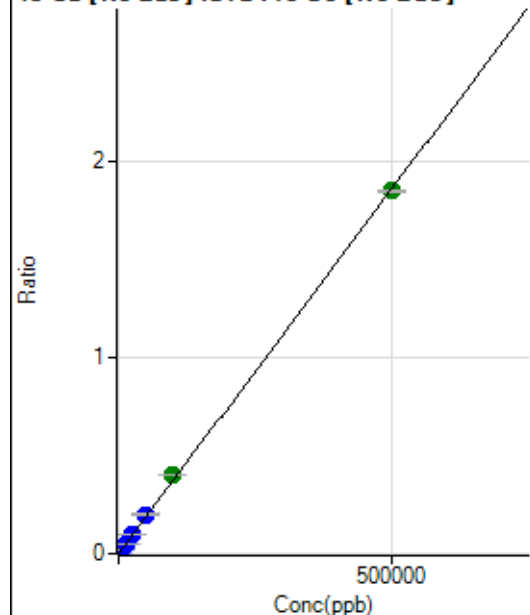
$$DL = 50.61$$

$$BEC = 471$$

Weight: &lt;None&gt;

Min Conc: 0



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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 137.48     | 0.0000 | P    | 8.1 |
| 2 | <input type="checkbox"/> | 500.000   | 511.087    | 5479.54    | 0.0019 | P    | 7.5 |
| 3 | <input type="checkbox"/> | 5000.000  | 5279.613   | 60460.23   | 0.0197 | P    | 2.8 |
| 4 | <input type="checkbox"/> | 12500.000 | 13227.917  | 149846.88  | 0.0493 | P    | 0.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 26387.843  | 295309.63  | 0.0982 | P    | 1.7 |
| 6 | <input type="checkbox"/> | 50000.000 | 53602.168  | 590028.86  | 0.1995 | P    | 6.6 |
| 7 | <input type="checkbox"/> | 100000.00 | 108361.94  | 1223771.85 | 0.4032 | A    | 0.7 |
| 8 | <input type="checkbox"/> | 500000.00 | 497876.99  | 5474203.03 | 1.8523 | A    | 0.7 |

$$y = 3.7202\text{E-}006 * x + 4.4829\text{E-}005$$

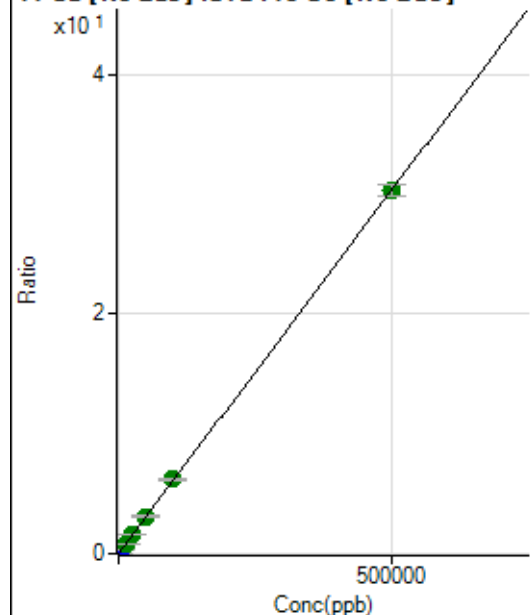
$$R = 0.9998$$

$$DL = 2.933$$

$$BEC = 12.05$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 14841.33    | 0.0048  | P    | 4.4 |
| 2 | <input type="checkbox"/> | 500.000   | 507.574    | 100184.22   | 0.0356  | P    | 8.7 |
| 3 | <input type="checkbox"/> | 5000.000  | 5044.542   | 954583.99   | 0.3107  | P    | 1.7 |
| 4 | <input type="checkbox"/> | 12500.000 | 13098.148  | 2431122.52  | 0.7991  | A    | 1.2 |
| 5 | <input type="checkbox"/> | 25000.000 | 25599.505  | 4682539.54  | 1.5572  | A    | 0.8 |
| 6 | <input type="checkbox"/> | 50000.000 | 50800.600  | 9127572.92  | 3.0854  | A    | 6.4 |
| 7 | <input type="checkbox"/> | 100000.00 | 102268.12  | 18828075.27 | 6.2063  | A    | 3.7 |
| 8 | <input type="checkbox"/> | 500000.00 | 499420.93  | 89500818.37 | 30.2896 | A    | 3.2 |

$$y = 6.0640\text{E-}005 * x + 0.0048$$

$$R = 1.0000$$

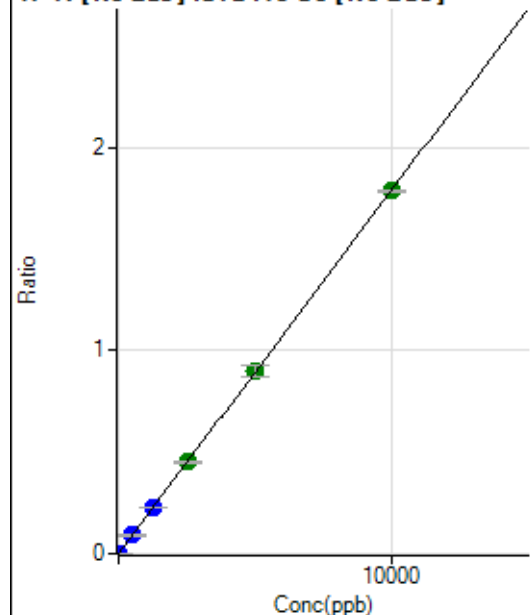
$$DL = 10.46$$

$$BEC = 79.8$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 197.23     | 0.0001 | P        | 28.8 |
| 2 | <input type="checkbox"/> | 5.000     | 5.391      | 2900.38    | 0.0010 | P        | 6.5  |
| 3 | <input type="checkbox"/> | 500.000   | 502.640    | 276571.35  | 0.0900 | P        | 1.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1262.842   | 687782.42  | 0.2261 | P        | 1.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2530.554   | 1362095.55 | 0.4530 | A        | 1.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 5009.705   | 2652953.32 | 0.8967 | A        | 6.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 9985.772   | 5424816.96 | 1.7872 | A        | 0.6  |
| 8 | <input type="checkbox"/> |           |            | 1322.32    | 0.0004 | P        | 11.4 |

$$y = 1.7897E-004 * x + 6.4204E-005$$

$$R = 1.0000$$

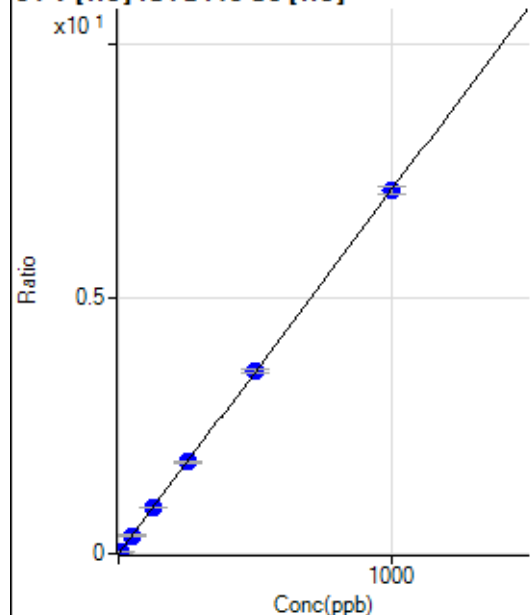
$$DL = 0.3099$$

$$BEC = 0.3587$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4.45      | 0.0000 | P        | 86.6 |
| 2 | <input type="checkbox"/> | 5.000    | 4.804      | 3088.14   | 0.0343 | P        | 5.4  |
| 3 | <input type="checkbox"/> | 50.000   | 49.913     | 32700.80  | 0.3556 | P        | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 125.963    | 80553.86  | 0.8974 | P        | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 251.908    | 160477.68 | 1.7946 | P        | 2.7  |
| 6 | <input type="checkbox"/> | 500.000  | 503.316    | 317774.26 | 3.5855 | P        | 1.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.750    | 644288.25 | 7.1077 | P        | 2.0  |
| 8 | <input type="checkbox"/> |          |            | 190.00    | 0.0022 | P        | 15.8 |

$$y = 0.0071 * x + 4.8800E-005$$

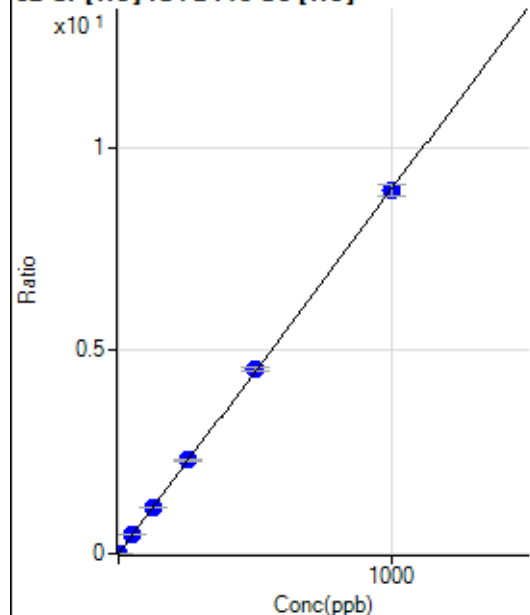
$$R = 1.0000$$

$$DL = 0.0178$$

$$BEC = 0.00685$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 308.90    | 0.0034 | P   | 7.5  |
| 2 | <input type="checkbox"/> | 2.000    | 1.983      | 1905.71   | 0.0212 | P   | 11.6 |
| 3 | <input type="checkbox"/> | 50.000   | 50.372     | 41814.33  | 0.4548 | P   | 1.6  |
| 4 | <input type="checkbox"/> | 125.000  | 125.378    | 101130.17 | 1.1269 | P   | 1.9  |
| 5 | <input type="checkbox"/> | 250.000  | 257.000    | 206234.51 | 2.3063 | P   | 2.7  |
| 6 | <input type="checkbox"/> | 500.000  | 504.639    | 401055.83 | 4.5253 | P   | 2.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.865    | 809167.71 | 8.9271 | P   | 3.4  |
| 8 | <input type="checkbox"/> |          |            | 5670.07   | 0.0653 | P   | 2.1  |

$$y = 0.0090 * x + 0.0034$$

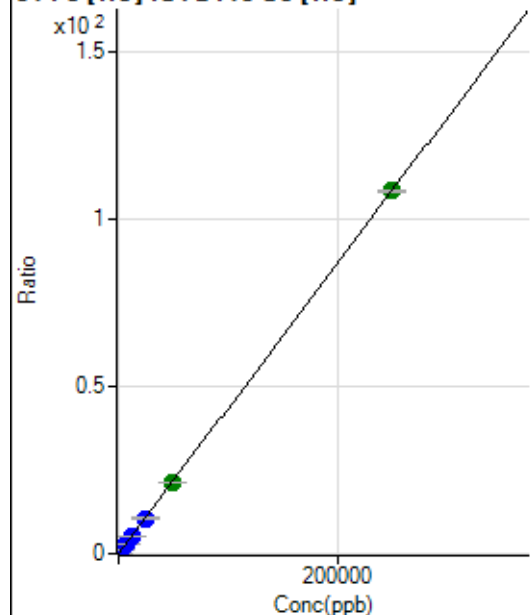
$$R = 1.0000$$

$$DL = 0.08489$$

$$BEC = 0.3779$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 553.72     | 0.0061   | P   | 9.9 |
| 2 | <input type="checkbox"/> | 50.000    | 45.718     | 2333.57    | 0.0259   | P   | 4.4 |
| 3 | <input type="checkbox"/> | 2500.000  | 2452.621   | 98309.29   | 1.0691   | P   | 1.0 |
| 4 | <input type="checkbox"/> | 6250.000  | 6147.234   | 239750.18  | 2.6705   | P   | 1.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 12394.463  | 480959.57  | 5.3784   | P   | 2.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 24300.518  | 933980.84  | 10.5390  | P   | 3.1 |
| 7 | <input type="checkbox"/> | 50000.000 | 48933.678  | 1923224.28 | 21.2160  | A   | 1.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 250291.53  | 9416699.75 | 108.4931 | A   | 0.7 |

$$y = 4.3344E-004 * x + 0.0061$$

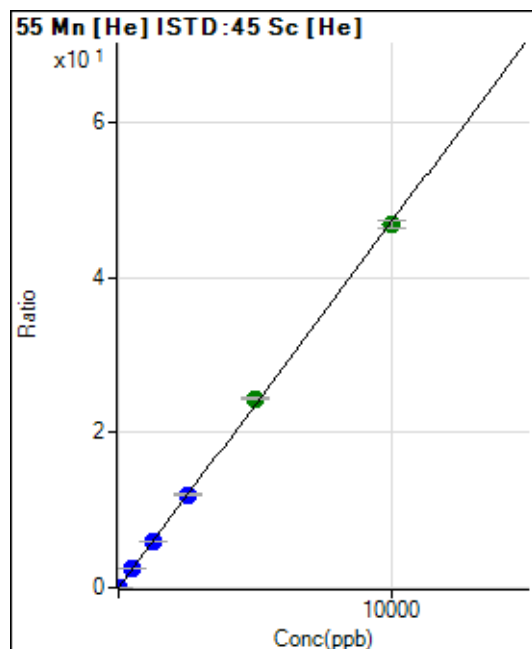
$$R = 1.0000$$

$$DL = 4.143$$

$$BEC = 14.01$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 26.67      | 0.0003  | P   | 33.1 |
| 2 | <input type="checkbox"/> | 1.000     | 1.074      | 482.24     | 0.0054  | P   | 6.6  |
| 3 | <input type="checkbox"/> | 500.000   | 503.572    | 218310.77  | 2.3742  | P   | 1.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1241.473   | 525311.73  | 5.8529  | P   | 0.2  |
| 5 | <input type="checkbox"/> | 2500.000  | 2530.125   | 1066633.79 | 11.9279 | P   | 2.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 5155.464   | 2154102.83 | 24.3043 | A   | 1.0  |
| 7 | <input type="checkbox"/> | 10000.000 | 9915.624   | 4237227.16 | 46.7447 | A   | 2.1  |
| 8 | <input type="checkbox"/> |           |            | 4510.77    | 0.0520  | P   | 5.0  |

$$y = 0.0047 * x + 2.9246E-004$$

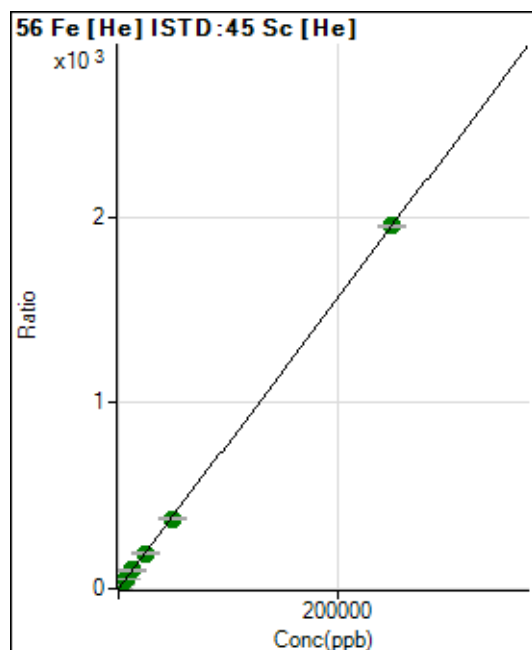
$$R = 0.9998$$

$$DL = 0.06151$$

$$BEC = 0.06204$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 2318.75     | 0.0254    | P   | 6.8 |
| 2 | <input type="checkbox"/> | 50.000    | 45.917     | 34597.99    | 0.3839    | P   | 5.3 |
| 3 | <input type="checkbox"/> | 2500.000  | 2553.410   | 1835429.47  | 19.9613   | A   | 2.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6355.160   | 4454829.35  | 49.6437   | A   | 1.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 12714.115  | 8878877.86  | 99.2917   | A   | 2.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 24487.082  | 16946971.21 | 191.2098  | A   | 2.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 48307.250  | 34190818.59 | 377.1873  | A   | 2.3 |
| 8 | <input type="checkbox"/> | 250000.00 | 250375.97  | 169665820.4 | 1,954.851 | A   | 0.8 |

$$y = 0.0078 * x + 0.0254$$

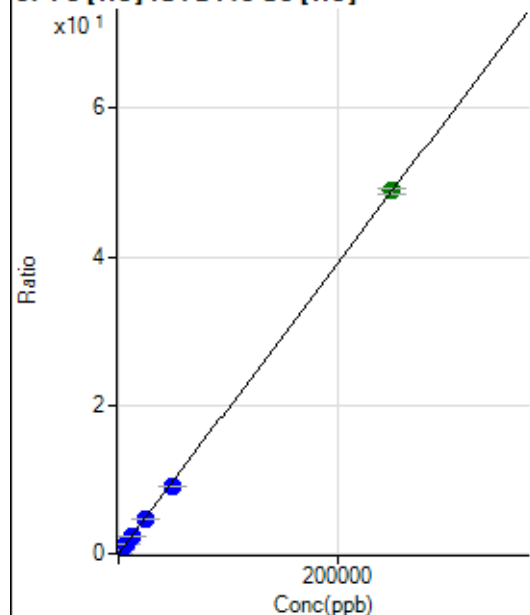
$$R = 1.0000$$

$$DL = 0.6639$$

$$BEC = 3.255$$

Weight: <None>

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 279.64     | 0.0031  | P        | 10.4 |
| 2 | <input type="checkbox"/> | 50.000    | 53.346     | 1216.74    | 0.0135  | P        | 16.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2422.527   | 43695.26   | 0.4752  | P        | 1.3  |
| 4 | <input type="checkbox"/> | 6250.000  | 6035.279   | 105845.33  | 1.1793  | P        | 0.8  |
| 5 | <input type="checkbox"/> | 12500.000 | 12271.860  | 214179.49  | 2.3948  | P        | 1.2  |
| 6 | <input type="checkbox"/> | 25000.000 | 23936.188  | 413752.49  | 4.6682  | P        | 1.1  |
| 7 | <input type="checkbox"/> | 50000.000 | 46890.763  | 828713.57  | 9.1419  | P        | 1.1  |
| 8 | <input type="checkbox"/> | 250000.00 | 250745.77  | 4241775.21 | 48.8727 | A        | 1.2  |

$$y = 1.9490\text{E-}004 * x + 0.0031$$

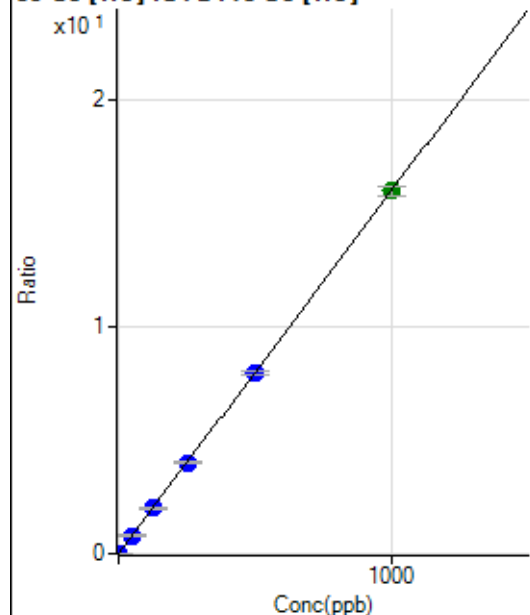
R = 0.9999

DL = 4.894

BEC = 15.74

Weight: <None>

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 64.44      | 0.0007  | P        | 18.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.979      | 1474.54    | 0.0164  | P        | 11.3 |
| 3 | <input type="checkbox"/> | 50.000   | 50.247     | 74091.05   | 0.8058  | P        | 2.4  |
| 4 | <input type="checkbox"/> | 125.000  | 124.913    | 179722.32  | 2.0021  | P        | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 251.220    | 360027.15  | 4.0259  | P        | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 500.203    | 710376.71  | 8.0153  | P        | 2.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.592    | 1451817.83 | 16.0168 | A        | 2.9  |
| 8 | <input type="checkbox"/> |          |            | 1396.75    | 0.0161  | P        | 4.7  |

$$y = 0.0160 * x + 7.0577\text{E-}004$$

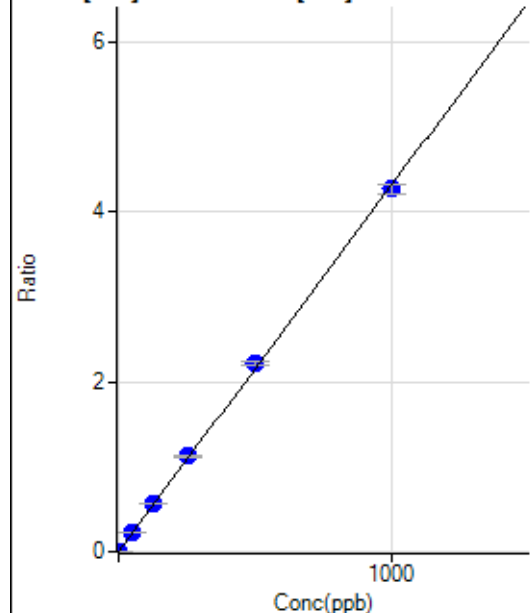
R = 1.0000

DL = 0.02482

BEC = 0.04405

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      | 23.33     | 0.0003 | P   | 29.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.971      | 402.23    | 0.0044 | P   | 13.8 |
| 3 | <input type="checkbox"/> | 50.000   | 51.709     | 20555.00  | 0.2236 | P   | 3.5  |
| 4 | <input type="checkbox"/> | 125.000  | 131.417    | 50957.85  | 0.5678 | P   | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 260.577    | 100645.93 | 1.1255 | P   | 2.7  |
| 6 | <input type="checkbox"/> | 500.000  | 512.871    | 196308.40 | 2.2150 | P   | 2.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.033    | 387555.73 | 4.2755 | P   | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 1168.95   | 0.0135 | P   | 4.9  |

$$y = 0.0043 * x + 2.5639E-004$$

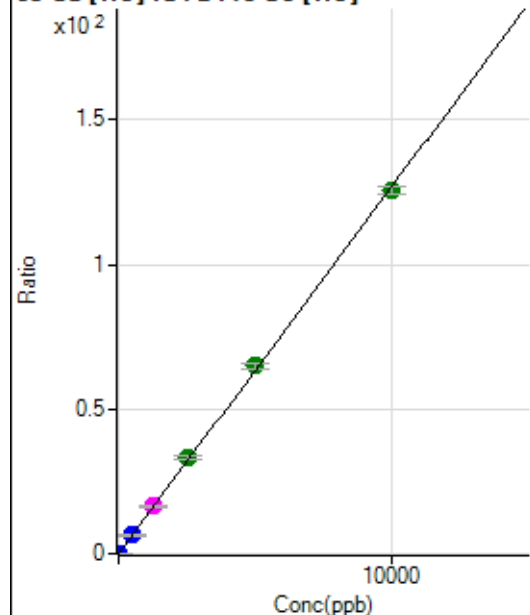
$$R = 0.9998$$

$$DL = 0.05276$$

$$BEC = 0.05937$$

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      | 680.03      | 0.0075   | P   | 6.7 |
| 2 | <input type="checkbox"/> | 2.000     | 1.954      | 2906.99     | 0.0322   | P   | 2.1 |
| 3 | <input type="checkbox"/> | 500.000   | 504.698    | 589160.66   | 6.4074   | P   | 3.0 |
| 4 | <input type="checkbox"/> | 1250.000  | 1300.375   | 1481184.99  | 16.4971  | M   | 3.5 |
| 5 | <input type="checkbox"/> | 2500.000  | 2640.701   | 2994784.02  | 33.4933  | A   | 4.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 5124.221   | 5759272.35  | 64.9860  | A   | 2.5 |
| 7 | <input type="checkbox"/> | 10000.000 | 9896.183   | 11375972.19 | 125.4977 | A   | 2.1 |
| 8 | <input type="checkbox"/> |           |            | 3658.28     | 0.0422   | P   | 1.8 |

$$y = 0.0127 * x + 0.0075$$

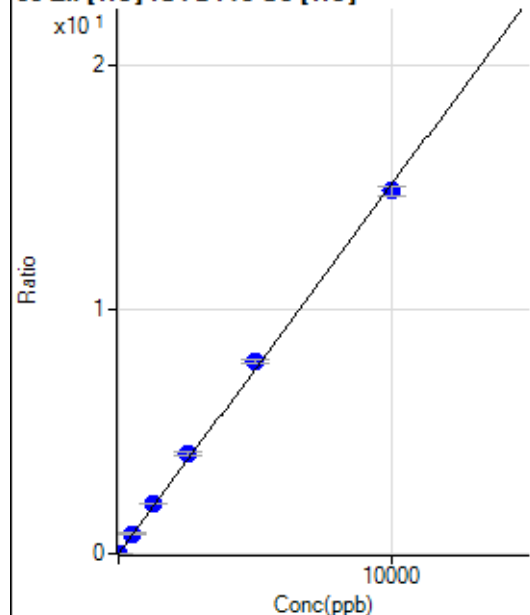
$$R = 0.9998$$

$$DL = 0.1176$$

$$BEC = 0.5882$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 83.33      | 0.0009  | P        | 22.7 |
| 2 | <input type="checkbox"/> | 2.000     | 2.561      | 430.01     | 0.0048  | P        | 10.9 |
| 3 | <input type="checkbox"/> | 500.000   | 542.641    | 75352.75   | 0.8195  | P        | 2.6  |
| 4 | <input type="checkbox"/> | 1250.000  | 1339.384   | 181423.17  | 2.0213  | P        | 1.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2722.133   | 367249.08  | 4.1071  | P        | 3.6  |
| 6 | <input type="checkbox"/> | 5000.000  | 5200.426   | 695324.41  | 7.8455  | P        | 1.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 9830.949   | 1344308.82 | 14.8304 | P        | 2.7  |
| 8 | <input type="checkbox"/> |           |            | 1071.17    | 0.0123  | P        | 7.9  |

$$y = 0.0015 * x + 9.1457E-004$$

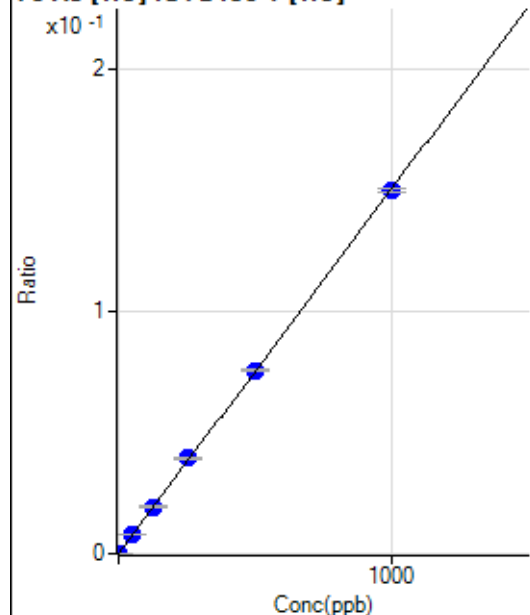
$$R = 0.9994$$

$$DL = 0.413$$

$$BEC = 0.6063$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.00     | 0.0000 | P        | 35.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.975      | 96.01    | 0.0002 | P        | 11.1 |
| 3 | <input type="checkbox"/> | 50.000   | 51.285     | 4757.95  | 0.0077 | P        | 1.6  |
| 4 | <input type="checkbox"/> | 125.000  | 127.875    | 11541.22 | 0.0192 | P        | 3.8  |
| 5 | <input type="checkbox"/> | 250.000  | 262.266    | 23478.14 | 0.0395 | P        | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 503.469    | 45473.00 | 0.0757 | P        | 1.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.775    | 90186.70 | 0.1496 | P        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 33.33    | 0.0001 | P        | 25.2 |

$$y = 1.5039E-004 * x + 9.7412E-006$$

$$R = 0.9999$$

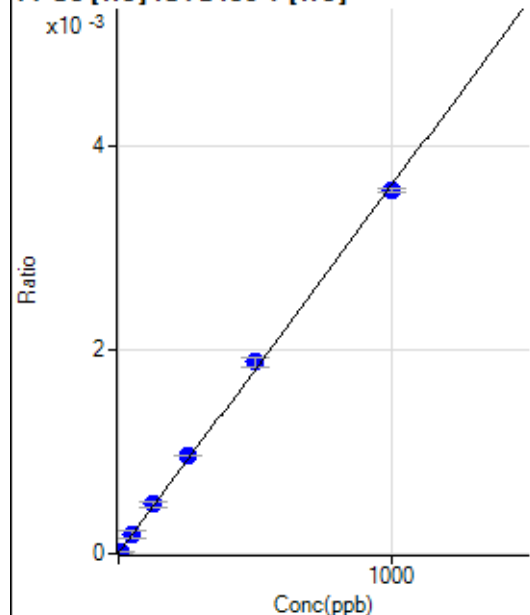
$$DL = 0.0682$$

$$BEC = 0.06477$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|---------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.22    | 0.0000 | P        | 86.6 |
| 2 | <input type="checkbox"/> | 5.000    | 4.024      | 11.11   | 0.0000 | P        | 76.0 |
| 3 | <input type="checkbox"/> | 50.000   | 52.647     | 118.89  | 0.0002 | P        | 35.9 |
| 4 | <input type="checkbox"/> | 125.000  | 133.386    | 291.12  | 0.0005 | P        | 11.2 |
| 5 | <input type="checkbox"/> | 250.000  | 263.251    | 567.80  | 0.0010 | P        | 0.0  |
| 6 | <input type="checkbox"/> | 500.000  | 520.170    | 1130.06 | 0.0019 | P        | 4.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 985.427    | 2146.85 | 0.0036 | P        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 4.44    | 0.0000 | P        | 44.3 |

$$y = 3.6107\text{E-}006 * x + 3.5505\text{E-}006$$

$$R = 0.9996$$

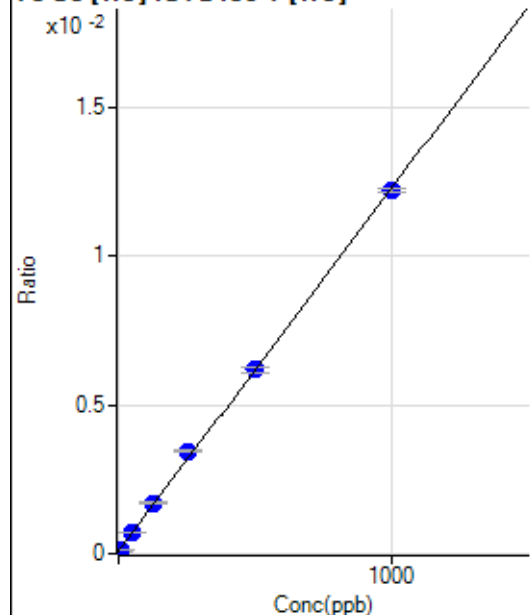
$$DL = 2.555$$

$$BEC = 0.9833$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|---------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 56.01   | 0.0001 | P        | 3.7  |
| 2 | <input type="checkbox"/> | 5.000    | 3.698      | 83.01   | 0.0001 | P        | 12.5 |
| 3 | <input type="checkbox"/> | 50.000   | 51.781     | 445.05  | 0.0007 | P        | 2.3  |
| 4 | <input type="checkbox"/> | 125.000  | 131.875    | 1019.81 | 0.0017 | P        | 5.0  |
| 5 | <input type="checkbox"/> | 250.000  | 274.356    | 2047.03 | 0.0034 | P        | 2.4  |
| 6 | <input type="checkbox"/> | 500.000  | 499.950    | 3718.87 | 0.0062 | P        | 2.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.994    | 7361.00 | 0.0122 | P        | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 44.34   | 0.0001 | P        | 21.4 |

$$y = 1.2206\text{E-}005 * x + 9.0557\text{E-}005$$

$$R = 0.9997$$

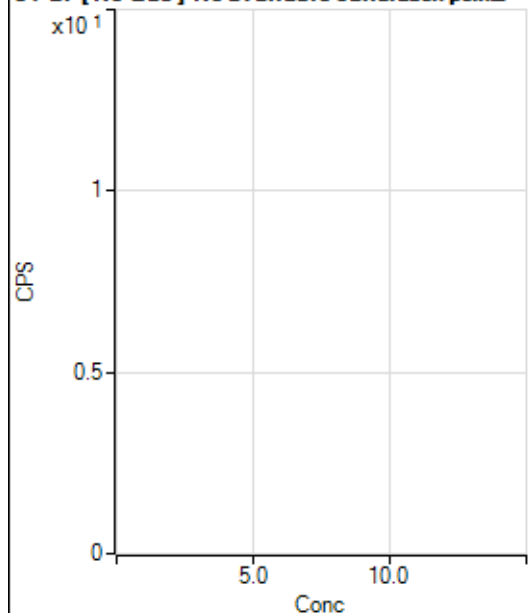
$$DL = 0.8246$$

$$BEC = 7.419$$

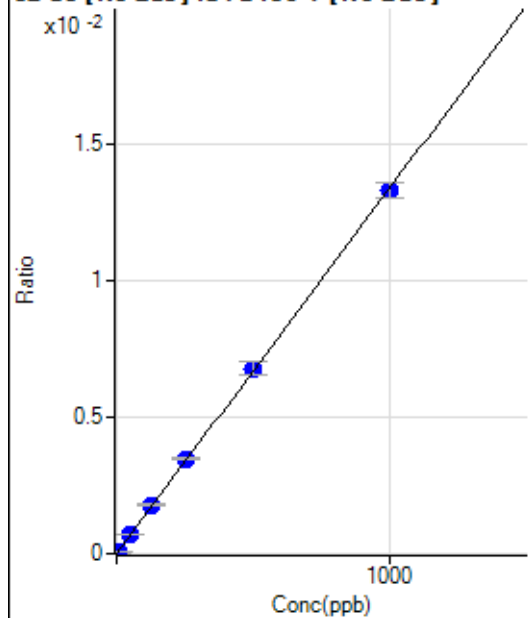
Weight: &lt;None&gt;

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"/> |       |            | 31080.26 |       | P        | 4.1 |
| 2 | <input type="checkbox"/> |       |            | 31538.19 |       | P        | 2.2 |
| 3 | <input type="checkbox"/> |       |            | 31117.04 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> |       |            | 30404.67 |       | P        | 2.0 |
| 5 | <input type="checkbox"/> |       |            | 29067.06 |       | P        | 3.4 |
| 6 | <input type="checkbox"/> |       |            | 28736.10 |       | P        | 1.1 |
| 7 | <input type="checkbox"/> |       |            | 28027.04 |       | P        | 3.9 |
| 8 | <input type="checkbox"/> |       |            | 26833.48 |       | P        | 1.9 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 12.92    | 0.0000 | P        | 321. |
| 2 | <input type="checkbox"/> | 5.000    | 5.608      | 418.72   | 0.0001 | P        | 7.1  |
| 3 | <input type="checkbox"/> | 50.000   | 51.867     | 4151.88  | 0.0007 | P        | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 133.094    | 10510.82 | 0.0018 | P        | 3.3  |
| 5 | <input type="checkbox"/> | 250.000  | 259.884    | 20422.37 | 0.0035 | P        | 3.5  |
| 6 | <input type="checkbox"/> | 500.000  | 506.740    | 40326.86 | 0.0068 | P        | 7.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.051    | 79436.87 | 0.0133 | P        | 4.4  |
| 8 | <input type="checkbox"/> |          |            | 74.16    | 0.0000 | P        | 32.2 |

$$y = 1.3355E-005 * x + 2.2776E-006$$

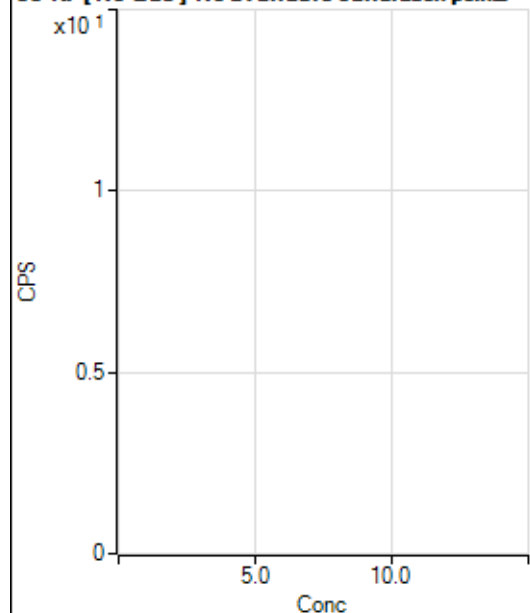
$$R = 0.9999$$

$$DL = 1.643$$

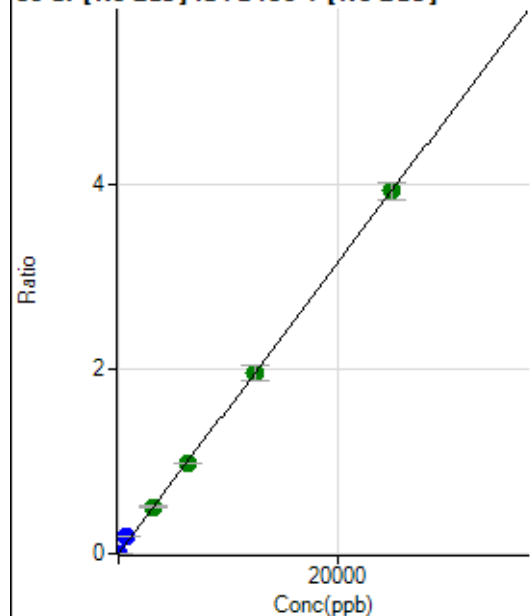
$$BEC = 0.1705$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 367.04 |       | P        | 5.4  |
| 2 | <input type="checkbox"/> |       |            | 377.88 |       | P        | 9.6  |
| 3 | <input type="checkbox"/> |       |            | 362.04 |       | P        | 5.0  |
| 4 | <input type="checkbox"/> |       |            | 360.79 |       | P        | 1.6  |
| 5 | <input type="checkbox"/> |       |            | 366.63 |       | P        | 3.2  |
| 6 | <input type="checkbox"/> |       |            | 359.96 |       | P        | 10.5 |
| 7 | <input type="checkbox"/> |       |            | 361.63 |       | P        | 8.3  |
| 8 | <input type="checkbox"/> |       |            | 379.96 |       | P        | 2.0  |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 636.14      | 0.0001 | P        | 6.7 |
| 2 | <input type="checkbox"/> | 1.000     | 1.253      | 1644.59     | 0.0003 | P        | 8.9 |
| 3 | <input type="checkbox"/> | 625.000   | 1238.603   | 1162347.93  | 0.1946 | P        | 2.0 |
| 4 | <input type="checkbox"/> | 3125.000  | 3206.718   | 2973943.69  | 0.5035 | A        | 3.8 |
| 5 | <input type="checkbox"/> | 6250.000  | 6212.300   | 5739042.06  | 0.9754 | A        | 0.4 |
| 6 | <input type="checkbox"/> | 12500.000 | 12436.491  | 11624405.64 | 1.9526 | A        | 7.9 |
| 7 | <input type="checkbox"/> | 25000.000 | 25015.625  | 23515829.52 | 3.9274 | A        | 5.0 |
| 8 | <input type="checkbox"/> |           |            | 7290.99     | 0.0012 | P        | 6.0 |

$$y = 1.5699E-004 * x + 1.0678E-004$$

$$R = 0.9997$$

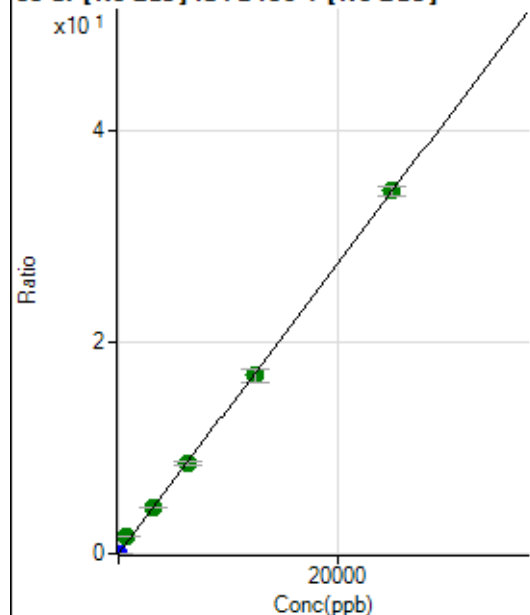
$$DL = 0.1357$$

$$BEC = 0.6802$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 72.22       | 0.0000  | P        | 38.3 |
| 2 | <input type="checkbox"/> | 1.000     | 1.018      | 7596.72     | 0.0014  | P        | 7.9  |
| 3 | <input type="checkbox"/> | 625.000   | 1231.891   | 10043977.05 | 1.6812  | A        | 1.3  |
| 4 | <input type="checkbox"/> | 3125.000  | 3174.314   | 25587967.76 | 4.3322  | A        | 2.7  |
| 5 | <input type="checkbox"/> | 6250.000  | 6224.681   | 49955674.38 | 8.4952  | A        | 3.2  |
| 6 | <input type="checkbox"/> | 12500.000 | 12308.008  | 100030840.4 | 16.7975 | A        | 7.9  |
| 7 | <input type="checkbox"/> | 25000.000 | 25080.989  | 205080583.7 | 34.2295 | A        | 2.5  |
| 8 | <input type="checkbox"/> |           |            | 59926.22    | 0.0101  | P        | 4.9  |

$$y = 0.0014 * x + 1.2031E-005$$

$$R = 0.9996$$

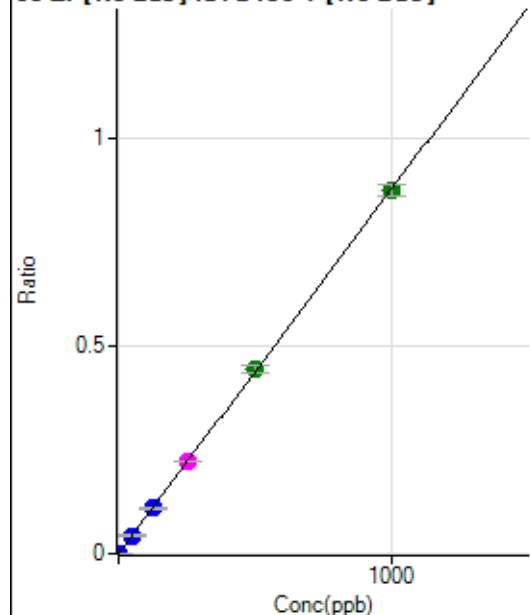
$$DL = 0.01013$$

$$BEC = 0.008816$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 236.12     | 0.0000 | P        | 29.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.023      | 5087.17    | 0.0009 | P        | 7.5  |
| 3 | <input type="checkbox"/> | 50.000   | 49.509     | 260006.42  | 0.0435 | P        | 3.1  |
| 4 | <input type="checkbox"/> | 125.000  | 125.956    | 653413.45  | 0.1107 | P        | 4.1  |
| 5 | <input type="checkbox"/> | 250.000  | 253.784    | 1311398.38 | 0.2229 | M        | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 507.155    | 2655947.15 | 0.4454 | A        | 4.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.382    | 5236671.56 | 0.8742 | A        | 3.1  |
| 8 | <input type="checkbox"/> |          |            | 1497.34    | 0.0003 | P        | 12.9 |

$$y = 8.7824E-004 * x + 3.9710E-005$$

$$R = 1.0000$$

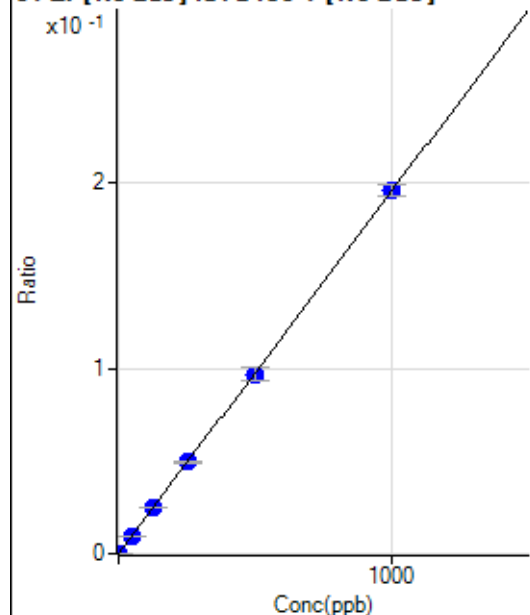
$$DL = 0.03961$$

$$BEC = 0.04522$$

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      | 47.22      | 0.0000 | P    | 23.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.079      | 1183.42    | 0.0002 | P    | 13.8 |
| 3 | <input type="checkbox"/> | 50.000   | 49.784     | 58164.16   | 0.0097 | P    | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 127.459    | 147127.79  | 0.0249 | P    | 3.9  |
| 5 | <input type="checkbox"/> | 250.000  | 252.368    | 290219.62  | 0.0493 | P    | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 495.260    | 576381.15  | 0.0968 | P    | 7.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.481   | 1172302.34 | 0.1957 | P    | 3.2  |
| 8 | <input type="checkbox"/> |          |            | 330.57     | 0.0001 | P    | 18.6 |

$$y = 1.9541\text{E-}004 * x + 7.9482\text{E-}006$$

$$R = 1.0000$$

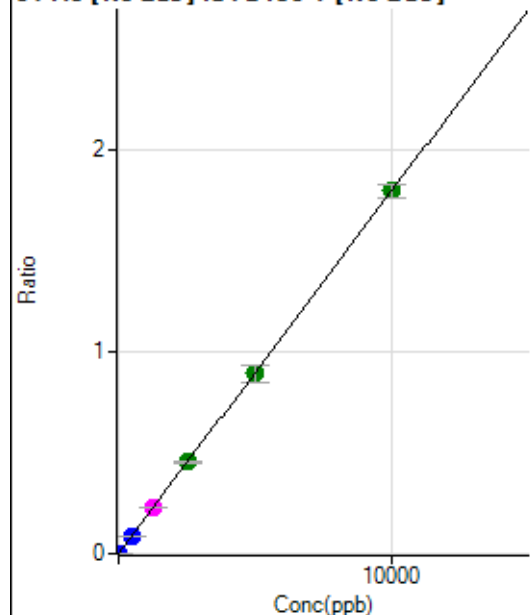
$$DL = 0.02802$$

$$BEC = 0.04067$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 91.67       | 0.0000 | P    | 40.6 |
| 2 | <input type="checkbox"/> | 5.000     | 6.372      | 6254.35     | 0.0012 | P    | 14.6 |
| 3 | <input type="checkbox"/> | 500.000   | 494.890    | 530673.18   | 0.0888 | P    | 1.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1269.506   | 1345746.07  | 0.2278 | M    | 2.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2534.873   | 2677025.21  | 0.4549 | A    | 1.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 4964.868   | 5301995.39  | 0.8910 | A    | 8.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 10006.664  | 10757155.71 | 1.7957 | A    | 3.7  |
| 8 | <input type="checkbox"/> |           |            | 3175.46     | 0.0005 | P    | 3.0  |

$$y = 1.7945\text{E-}004 * x + 1.5299\text{E-}005$$

$$R = 1.0000$$

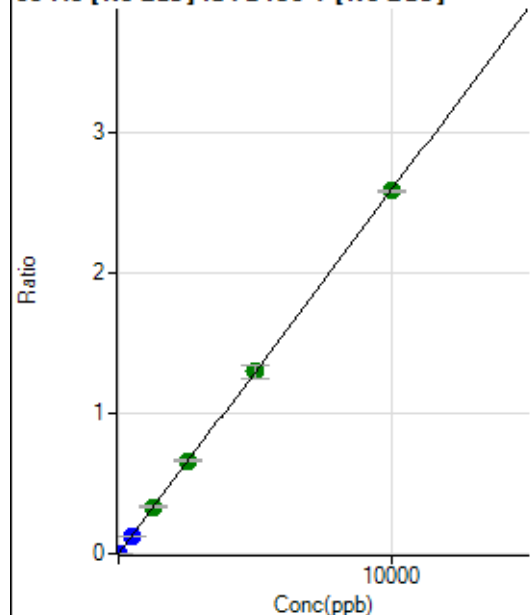
$$DL = 0.104$$

$$BEC = 0.08525$$

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      | 30.55       | 0.0000 | P    | 68.6 |
| 2 | <input type="checkbox"/> | 5.000     | 5.297      | 7454.97     | 0.0014 | P    | 8.2  |
| 3 | <input type="checkbox"/> | 500.000   | 496.644    | 767340.58   | 0.1284 | P    | 1.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1286.782   | 1965347.05  | 0.3328 | A    | 2.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2545.746   | 3872742.27  | 0.6583 | A    | 1.6  |
| 6 | <input type="checkbox"/> | 5000.000  | 5013.336   | 7723251.65  | 1.2965 | A    | 7.0  |
| 7 | <input type="checkbox"/> | 10000.000 | 9977.466   | 15466131.77 | 2.5802 | A    | 0.2  |
| 8 | <input type="checkbox"/> |           |            | 4495.32     | 0.0008 | P    | 5.6  |

$$y = 2.5860\text{E-}004 * x + 5.1585\text{E-}006$$

$$R = 1.0000$$

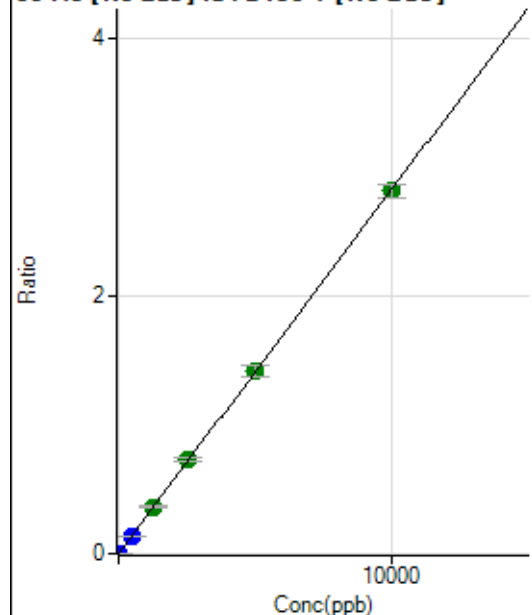
$$DL = 0.04106$$

$$BEC = 0.01995$$

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      | 138.90      | 0.0000 | P    | 25.4 |
| 2 | <input type="checkbox"/> | 5.000     | 5.181      | 8041.43     | 0.0015 | P    | 11.7 |
| 3 | <input type="checkbox"/> | 500.000   | 490.839    | 828360.84   | 0.1387 | P    | 1.8  |
| 4 | <input type="checkbox"/> | 1250.000  | 1286.839   | 2147094.58  | 0.3635 | A    | 1.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2577.962   | 4281758.17  | 0.7281 | A    | 3.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 5014.194   | 8438774.41  | 1.4162 | A    | 6.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 9969.266   | 16865058.71 | 2.8157 | A    | 3.7  |
| 8 | <input type="checkbox"/> |           |            | 8700.22     | 0.0015 | P    | 3.3  |

$$y = 2.8243\text{E-}004 * x + 2.3391\text{E-}005$$

$$R = 1.0000$$

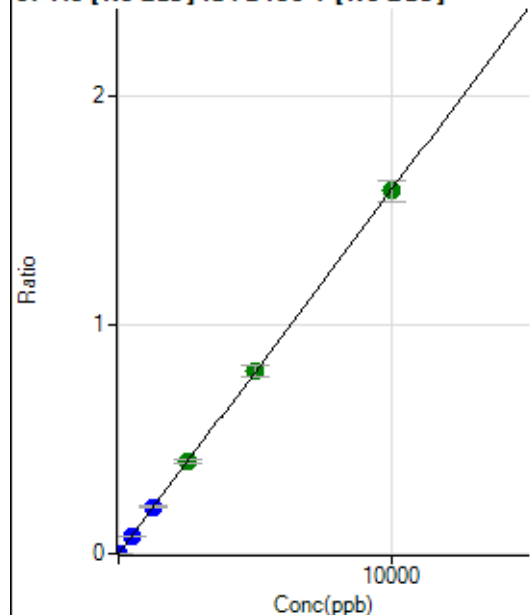
$$DL = 0.06308$$

$$BEC = 0.08282$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 11.11      | 0.0000 | P        | 113. |
| 2 | <input type="checkbox"/> | 5.000     | 5.485      | 4748.16    | 0.0009 | P        | 7.2  |
| 3 | <input type="checkbox"/> | 500.000   | 492.557    | 468536.32  | 0.0784 | P        | 2.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1275.929   | 1199739.91 | 0.2032 | P        | 3.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2535.475   | 2374020.23 | 0.4037 | A        | 3.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 5022.728   | 4763779.36 | 0.7998 | A        | 6.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 9976.898   | 9511729.12 | 1.5886 | A        | 5.5  |
| 8 | <input type="checkbox"/> |           |            | 2575.30    | 0.0004 | P        | 1.6  |

$$y = 1.5923E-004 * x + 1.8280E-006$$

$$R = 1.0000$$

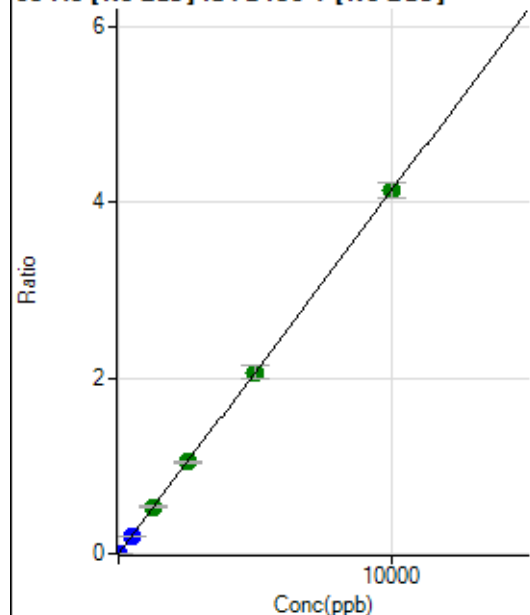
$$DL = 0.03917$$

$$BEC = 0.01148$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 36.11       | 0.0000 | P        | 28.4 |
| 2 | <input type="checkbox"/> | 5.000     | 5.245      | 11783.07    | 0.0022 | P        | 8.7  |
| 3 | <input type="checkbox"/> | 500.000   | 486.580    | 1202226.85  | 0.2012 | P        | 1.4  |
| 4 | <input type="checkbox"/> | 1250.000  | 1292.607   | 3155465.11  | 0.5346 | A        | 6.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2525.062   | 6143253.35  | 1.0443 | A        | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 4990.901   | 12290854.62 | 2.0641 | A        | 7.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 9993.629   | 24752385.97 | 4.1330 | A        | 4.2  |
| 8 | <input type="checkbox"/> |           |            | 6290.51     | 0.0011 | P        | 1.5  |

$$y = 4.1356E-004 * x + 6.0820E-006$$

$$R = 1.0000$$

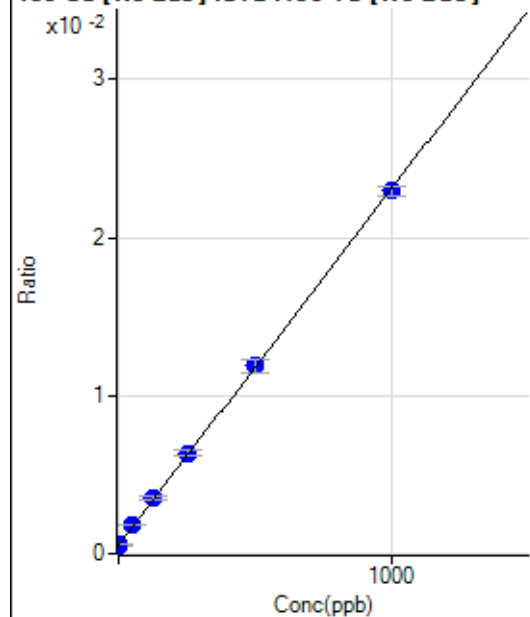
$$DL = 0.01254$$

$$BEC = 0.01471$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1941.86  | 0.0005 | P    | 1.3 |
| 2 | <input type="checkbox"/> | 1.000    | 2.673      | 2025.22  | 0.0006 | P    | 2.9 |
| 3 | <input type="checkbox"/> | 50.000   | 57.153     | 6632.33  | 0.0018 | P    | 5.2 |
| 4 | <input type="checkbox"/> | 125.000  | 133.918    | 13201.13 | 0.0035 | P    | 5.9 |
| 5 | <input type="checkbox"/> | 250.000  | 259.779    | 24004.93 | 0.0064 | P    | 5.1 |
| 6 | <input type="checkbox"/> | 500.000  | 504.043    | 45659.80 | 0.0119 | P    | 6.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 994.059    | 89868.25 | 0.0230 | P    | 2.7 |
| 8 | <input type="checkbox"/> |          |            | 1936.31  | 0.0005 | P    | 9.3 |

$$y = 2.2568E-005 * x + 5.2439E-004$$

$$R = 0.9999$$

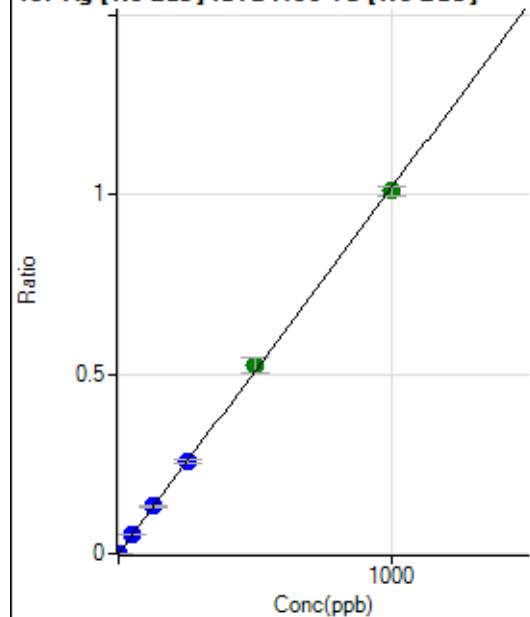
$$DL = 0.9172$$

$$BEC = 23.24$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 113.89     | 0.0000 | P    | 16.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.040      | 3772.84    | 0.0011 | P    | 1.0  |
| 3 | <input type="checkbox"/> | 50.000   | 53.151     | 198061.68  | 0.0542 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 129.154    | 489775.08  | 0.1315 | P    | 2.3  |
| 5 | <input type="checkbox"/> | 250.000  | 251.273    | 961901.43  | 0.2559 | P    | 3.4  |
| 6 | <input type="checkbox"/> | 500.000  | 514.900    | 2011185.03 | 0.5244 | A    | 7.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.555    | 3952724.57 | 1.0097 | A    | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 1825.19    | 0.0005 | P    | 10.8 |

$$y = 0.0010 * x + 3.0744E-005$$

$$R = 0.9998$$

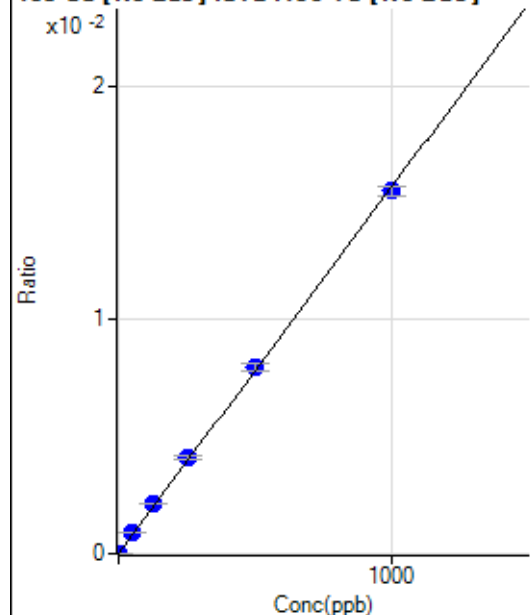
$$DL = 0.01509$$

$$BEC = 0.03019$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 12.50    | 0.0000 | P   | 34.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.087      | 69.45    | 0.0000 | P   | 40.4 |
| 3 | <input type="checkbox"/> | 50.000   | 56.811     | 3268.48  | 0.0009 | P   | 3.9  |
| 4 | <input type="checkbox"/> | 125.000  | 136.120    | 7951.00  | 0.0021 | P   | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 263.537    | 15528.36 | 0.0041 | P   | 3.5  |
| 6 | <input type="checkbox"/> | 500.000  | 510.045    | 30691.26 | 0.0080 | P   | 4.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.863    | 60699.67 | 0.0155 | P   | 2.9  |
| 8 | <input type="checkbox"/> |          |            | 20.83    | 0.0000 | P   | 72.4 |

$$y = 1.5662\text{E-}005 * x + 3.3783\text{E-}006$$

$$R = 0.9998$$

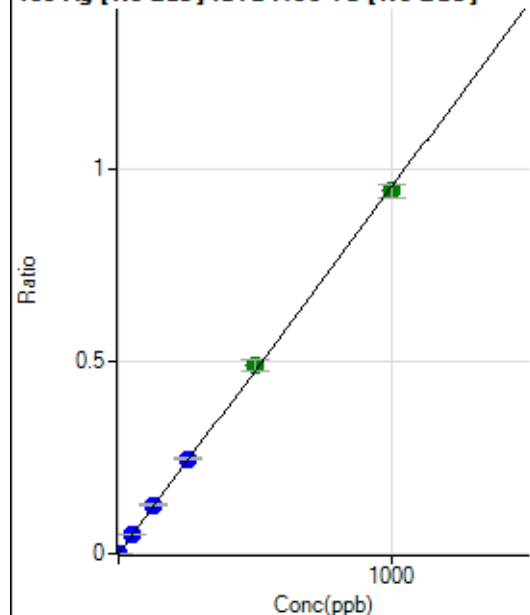
$$DL = 0.2199$$

$$BEC = 0.2157$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 75.00      | 0.0000 | P   | 40.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.113      | 3717.27    | 0.0011 | P   | 10.3 |
| 3 | <input type="checkbox"/> | 50.000   | 53.600     | 186399.40  | 0.0510 | P   | 4.4  |
| 4 | <input type="checkbox"/> | 125.000  | 132.785    | 470221.37  | 0.1263 | P   | 1.8  |
| 5 | <input type="checkbox"/> | 250.000  | 257.750    | 921551.58  | 0.2451 | P   | 1.9  |
| 6 | <input type="checkbox"/> | 500.000  | 513.887    | 1875048.52 | 0.4887 | A   | 6.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.966    | 3684815.06 | 0.9414 | A   | 3.4  |
| 8 | <input type="checkbox"/> |          |            | 1758.50    | 0.0005 | P   | 6.9  |

$$y = 9.5092\text{E-}004 * x + 2.0257\text{E-}005$$

$$R = 0.9998$$

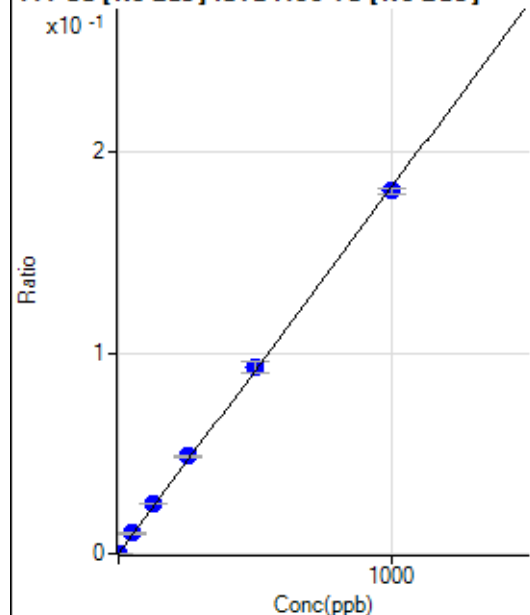
$$DL = 0.02579$$

$$BEC = 0.0213$$

Weight: &lt;None&gt;

Min Conc: 0



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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 199.33    | 0.0001 | P   | 2.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.130      | 898.39    | 0.0003 | P   | 3.8 |
| 3 | <input type="checkbox"/> | 50.000   | 55.006     | 36891.94  | 0.0101 | P   | 3.2 |
| 4 | <input type="checkbox"/> | 125.000  | 135.522    | 92252.45  | 0.0248 | P   | 1.9 |
| 5 | <input type="checkbox"/> | 250.000  | 265.798    | 182500.46 | 0.0485 | P   | 1.9 |
| 6 | <input type="checkbox"/> | 500.000  | 508.603    | 356238.87 | 0.0928 | P   | 6.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 990.183    | 707400.88 | 0.1807 | P   | 1.5 |
| 8 | <input type="checkbox"/> |          |            | 488.78    | 0.0001 | P   | 3.8 |

$$y = 1.8243\text{E-}004 * x + 5.3830\text{E-}005$$

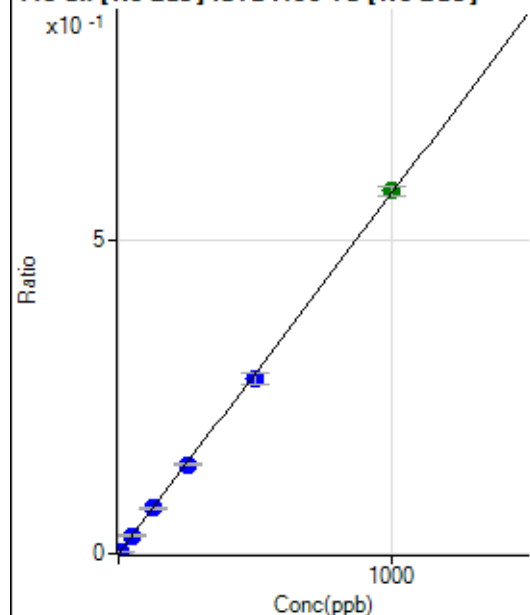
$$R = 0.9998$$

$$DL = 0.01744$$

$$BEC = 0.2951$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 915.24     | 0.0002 | P   | 137. |
| 2 | <input type="checkbox"/> | 5.000    | 4.963      | 10693.44   | 0.0031 | P   | 5.2  |
| 3 | <input type="checkbox"/> | 50.000   | 49.666     | 105121.50  | 0.0287 | P   | 2.7  |
| 4 | <input type="checkbox"/> | 125.000  | 125.738    | 269559.19  | 0.0724 | P   | 2.4  |
| 5 | <input type="checkbox"/> | 250.000  | 247.429    | 534702.53  | 0.1422 | P   | 1.9  |
| 6 | <input type="checkbox"/> | 500.000  | 487.219    | 1073818.63 | 0.2798 | P   | 6.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.958   | 2262981.95 | 0.5781 | A   | 2.6  |
| 8 | <input type="checkbox"/> |          |            | 2539.19    | 0.0007 | P   | 3.9  |

$$y = 5.7384\text{E-}004 * x + 2.4803\text{E-}004$$

$$R = 0.9999$$

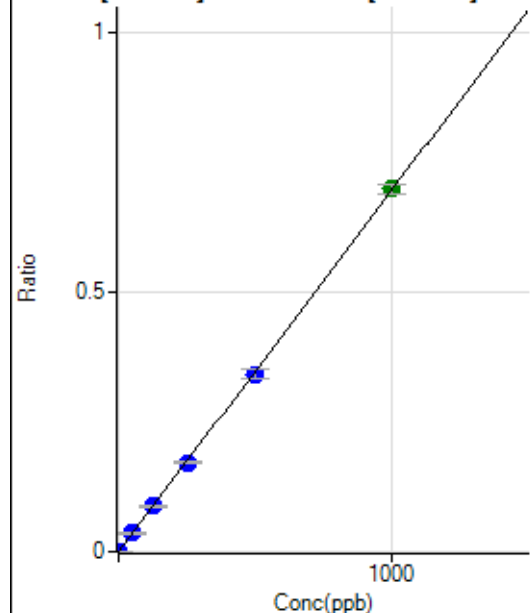
$$DL = 1.788$$

$$BEC = 0.4322$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 16.67      | 0.0000 | P        | 51.0 |
| 2 | <input type="checkbox"/> | 2.000    | 1.936      | 4659.26    | 0.0013 | P        | 8.5  |
| 3 | <input type="checkbox"/> | 50.000   | 50.661     | 128730.10  | 0.0352 | P        | 2.7  |
| 4 | <input type="checkbox"/> | 125.000  | 125.436    | 324480.45  | 0.0871 | P        | 1.9  |
| 5 | <input type="checkbox"/> | 250.000  | 246.733    | 644419.65  | 0.1714 | P        | 2.3  |
| 6 | <input type="checkbox"/> | 500.000  | 491.438    | 1310608.76 | 0.3414 | P        | 5.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 1005.010   | 2733124.78 | 0.6982 | A        | 2.9  |
| 8 | <input type="checkbox"/> |          |            | 1833.51    | 0.0005 | P        | 7.0  |

$$y = 6.9474\text{E-}004 * x + 4.5206\text{E-}006$$

$$R = 0.9999$$

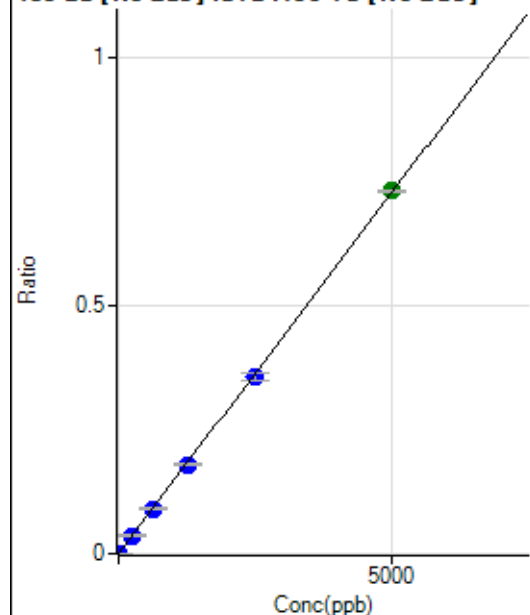
$$DL = 0.009957$$

$$BEC = 0.006507$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.33       | 0.0000 | P        | 1.4 |
| 2 | <input type="checkbox"/> | 10.000   | 9.313      | 4687.04    | 0.0014 | P        | 3.0 |
| 3 | <input type="checkbox"/> | 250.000  | 249.510    | 132528.70  | 0.0363 | P        | 5.0 |
| 4 | <input type="checkbox"/> | 625.000  | 625.914    | 338658.14  | 0.0910 | P        | 2.2 |
| 5 | <input type="checkbox"/> | 1250.000 | 1235.593   | 674870.86  | 0.1795 | P        | 2.7 |
| 6 | <input type="checkbox"/> | 2500.000 | 2447.470   | 1365372.70 | 0.3556 | P        | 4.8 |
| 7 | <input type="checkbox"/> | 5000.000 | 5029.778   | 2861383.09 | 0.7309 | A        | 0.8 |
| 8 | <input type="checkbox"/> |          |            | 1750.16    | 0.0005 | P        | 3.2 |

$$y = 1.4530\text{E-}004 * x + 2.2495\text{E-}006$$

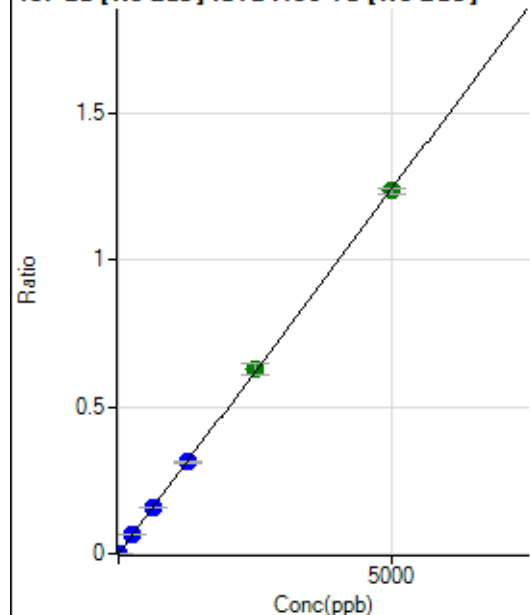
$$R = 0.9999$$

$$DL = 0.0006334$$

$$BEC = 0.01548$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 13.89      | 0.0000 | P        | 35.6 |
| 2 | <input type="checkbox"/> | 10.000   | 9.801      | 8416.76    | 0.0024 | P        | 5.5  |
| 3 | <input type="checkbox"/> | 250.000  | 254.685    | 231266.06  | 0.0632 | P        | 1.7  |
| 4 | <input type="checkbox"/> | 625.000  | 628.093    | 580546.67  | 0.1559 | P        | 2.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1261.128   | 1177023.37 | 0.3131 | P        | 1.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2534.918   | 2414678.85 | 0.6293 | A        | 6.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4979.139   | 4839089.95 | 1.2361 | A        | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 2808.69    | 0.0007 | P        | 1.8  |

$$y = 2.4825E-004 * x + 3.7624E-006$$

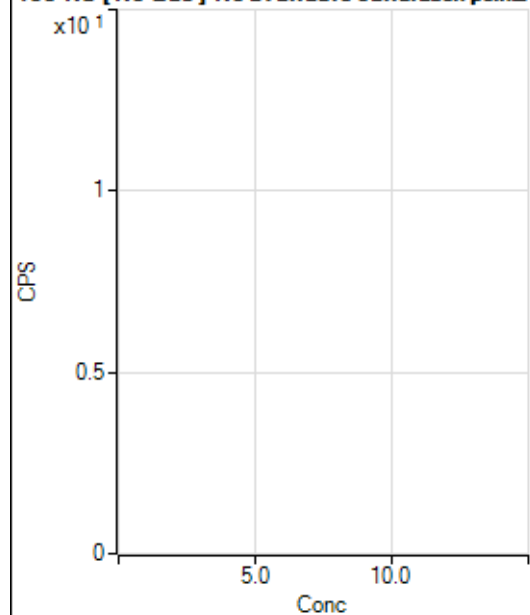
$$R = 1.0000$$

$$DL = 0.01619$$

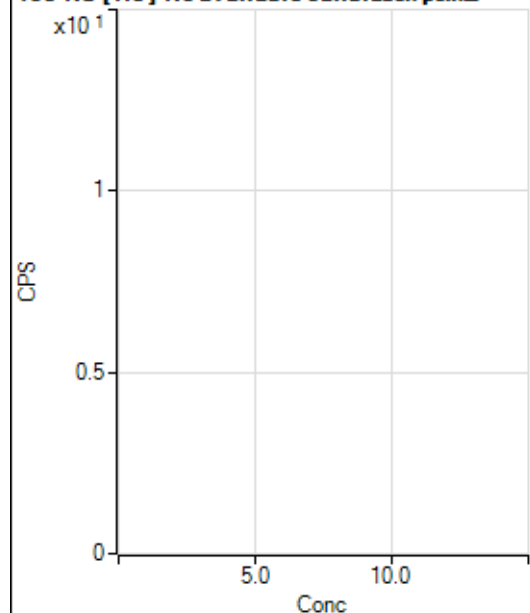
$$BEC = 0.01516$$

Weight: &lt;None&gt;

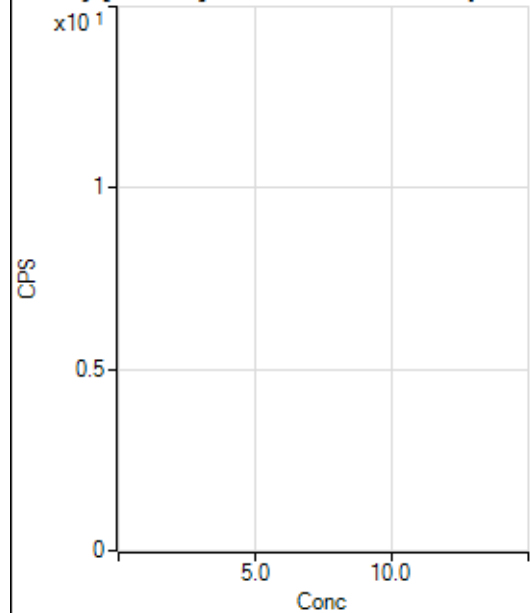
Min Conc: 0

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

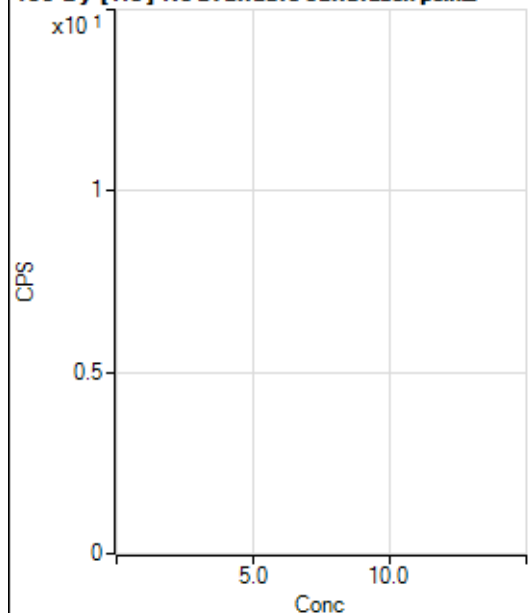
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 91.7 |
| 3 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 62.4 |
| 4 | <input type="checkbox"/> |       |            | 26.67  |       | P        | 75.0 |
| 5 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 66.1 |
| 6 | <input type="checkbox"/> |       |            | 102.23 |       | P        | 27.2 |
| 7 | <input type="checkbox"/> |       |            | 231.12 |       | P        | 30.8 |
| 8 | <input type="checkbox"/> |       |            | 26.67  |       | P        | 25.0 |

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

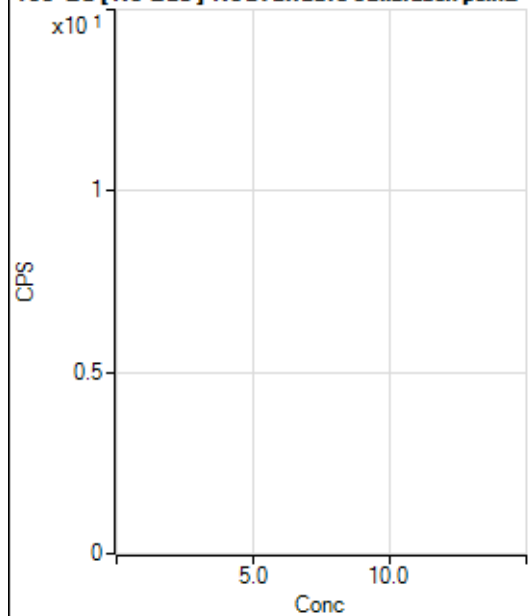
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 5 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 6 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 49.5 |
| 7 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 43.3 |
| 8 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 41.7 |

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

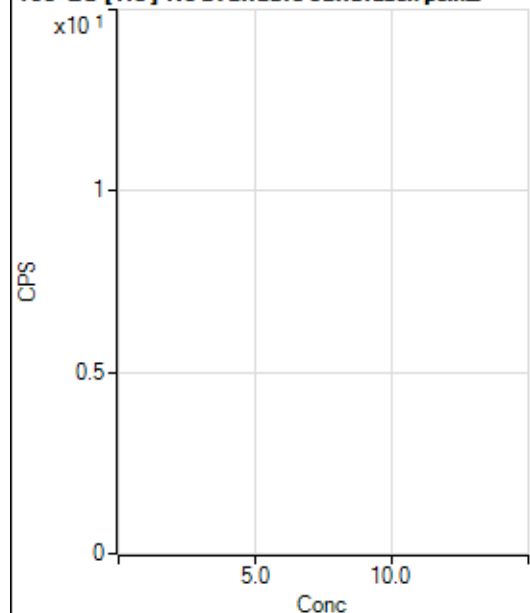
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.78   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 2.78   |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 19.44  |       | P        | 65.5 |
| 4 | <input type="checkbox"/> |       |            | 16.66  |       | P        | 86.6 |
| 5 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 72.7 |
| 6 | <input type="checkbox"/> |       |            | 77.78  |       | P        | 52.9 |
| 7 | <input type="checkbox"/> |       |            | 144.45 |       | P        | 3.3  |
| 8 | <input type="checkbox"/> |       |            | 463.91 |       | P        | 13.6 |

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

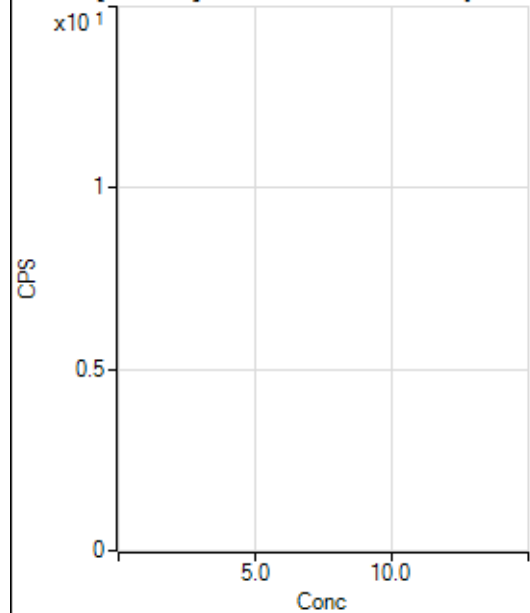
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00   |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 34.7 |
| 4 | <input type="checkbox"/> |       |            | 7.78   |       | P        | 65.5 |
| 5 | <input type="checkbox"/> |       |            | 21.11  |       | P        | 65.7 |
| 6 | <input type="checkbox"/> |       |            | 41.11  |       | P        | 63.0 |
| 7 | <input type="checkbox"/> |       |            | 70.00  |       | P        | 17.2 |
| 8 | <input type="checkbox"/> |       |            | 217.78 |       | P        | 7.7  |

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

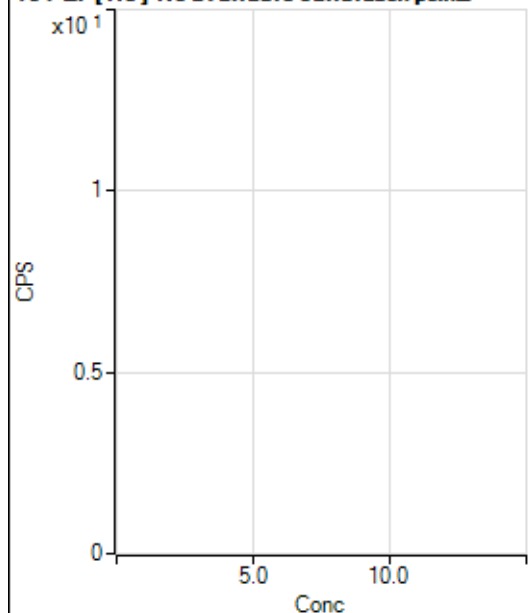
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 33.34  |       | P        | 43.3 |
| 2 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 33.3 |
| 3 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 58.1 |
| 5 | <input type="checkbox"/> |       |            | 44.44  |       | P        | 28.6 |
| 6 | <input type="checkbox"/> |       |            | 69.45  |       | P        | 45.4 |
| 7 | <input type="checkbox"/> |       |            | 141.67 |       | P        | 23.5 |
| 8 | <input type="checkbox"/> |       |            | 552.80 |       | P        | 10.9 |

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

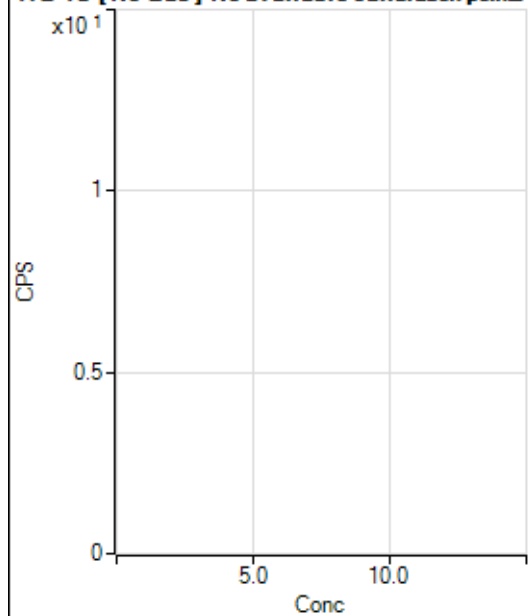
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 42.22  |       | P        | 18.2 |
| 2 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 22.1 |
| 3 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 27.8 |
| 4 | <input type="checkbox"/> |       |            | 52.22  |       | P        | 25.8 |
| 5 | <input type="checkbox"/> |       |            | 64.45  |       | P        | 16.6 |
| 6 | <input type="checkbox"/> |       |            | 92.23  |       | P        | 15.0 |
| 7 | <input type="checkbox"/> |       |            | 78.89  |       | P        | 6.5  |
| 8 | <input type="checkbox"/> |       |            | 323.34 |       | P        | 10.8 |

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

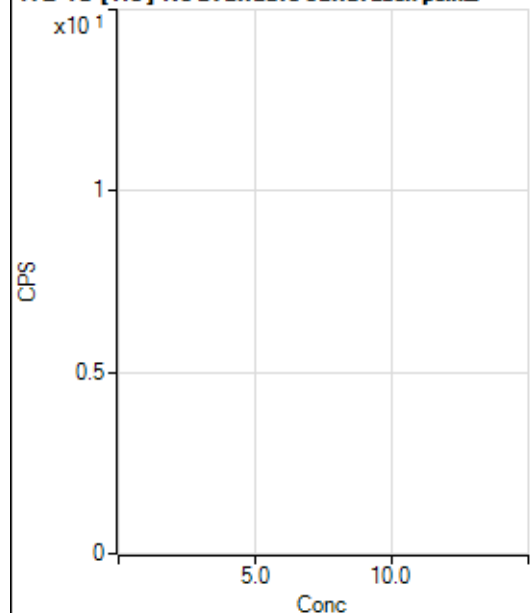
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 30.56 |       | P        | 41.7 |
| 2 | <input type="checkbox"/> |       |            | 19.44 |       | P        | 89.2 |
| 3 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 78.1 |
| 4 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 78.1 |
| 5 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 24.7 |
| 6 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 34.6 |
| 7 | <input type="checkbox"/> |       |            | 36.11 |       | P        | 35.3 |
| 8 | <input type="checkbox"/> |       |            | 16.67 |       | P        | NaN  |

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

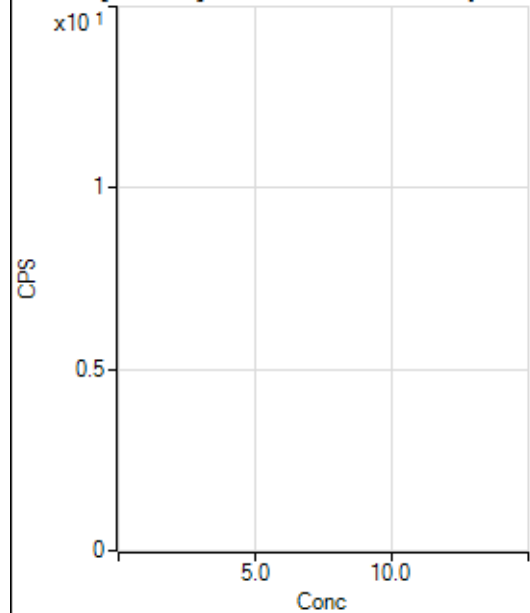
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7 |
| 2 | <input type="checkbox"/> |       |            | 5.55  |       | P        | 124. |
| 3 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100. |
| 4 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 50.0 |
| 5 | <input type="checkbox"/> |       |            | 4.45  |       | P        | 86.6 |
| 6 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 41.7 |
| 7 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 25.0 |
| 8 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 51.0 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 114. |
| 2 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 50.0 |
| 3 | <input type="checkbox"/> |       |            | 16.66  |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 33.3 |
| 5 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 75.5 |
| 6 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 57.7 |
| 7 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 31.2 |
| 8 | <input type="checkbox"/> |       |            | 183.34 |       | P        | 9.1  |

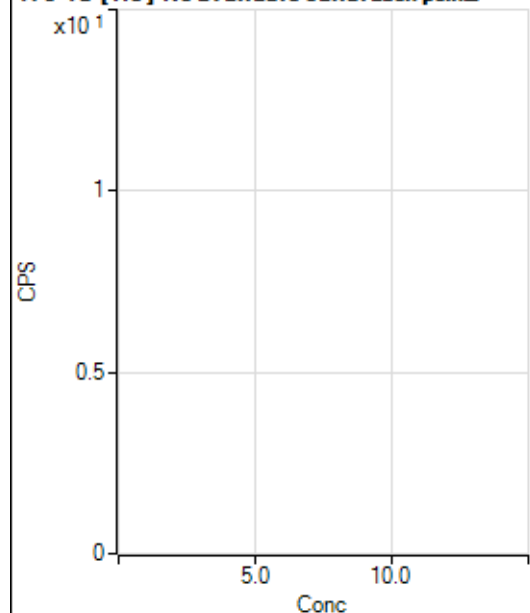
**172 Yb [He] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 9.26  |       | P        | 34.6 |
| 2 | <input type="checkbox"/> |       |            | 7.41  |       | P        | 43.2 |
| 3 | <input type="checkbox"/> |       |            | 14.81 |       | P        | 43.3 |
| 4 | <input type="checkbox"/> |       |            | 7.41  |       | P        | 43.2 |
| 5 | <input type="checkbox"/> |       |            | 12.96 |       | P        | 24.8 |
| 6 | <input type="checkbox"/> |       |            | 24.07 |       | P        | 58.1 |
| 7 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 50.0 |
| 8 | <input type="checkbox"/> |       |            | 88.89 |       | P        | 6.2  |

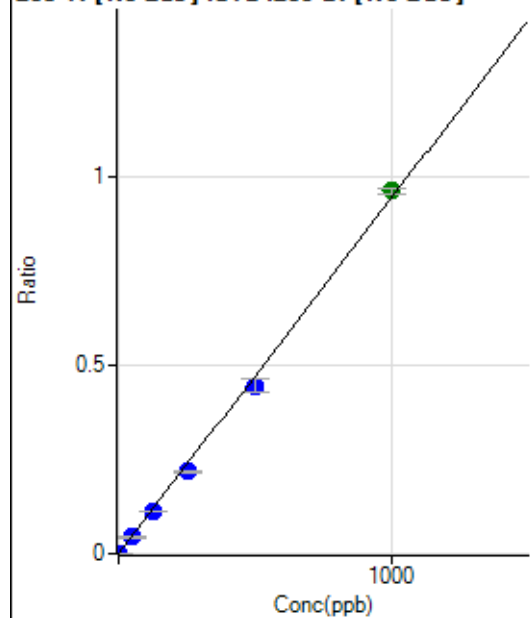
**176 Yb [No Gas] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 483.36  |       | P        | 5.2  |
| 2 | <input type="checkbox"/> |       |            | 547.25  |       | P        | 18.3 |
| 3 | <input type="checkbox"/> |       |            | 1027.85 |       | P        | 6.3  |
| 4 | <input type="checkbox"/> |       |            | 1589.03 |       | P        | 5.2  |
| 5 | <input type="checkbox"/> |       |            | 2722.58 |       | P        | 2.5  |
| 6 | <input type="checkbox"/> |       |            | 4809.35 |       | P        | 2.9  |
| 7 | <input type="checkbox"/> |       |            | 9403.65 |       | P        | 3.5  |
| 8 | <input type="checkbox"/> |       |            | 672.26  |       | P        | 5.6  |



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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 4560.13 |       | P        | 5.6 |
| 2 | <input type="checkbox"/> |       |            | 4387.86 |       | P        | 6.2 |
| 3 | <input type="checkbox"/> |       |            | 4717.61 |       | P        | 5.4 |
| 4 | <input type="checkbox"/> |       |            | 4862.08 |       | P        | 2.7 |
| 5 | <input type="checkbox"/> |       |            | 5519.77 |       | P        | 2.3 |
| 6 | <input type="checkbox"/> |       |            | 6653.66 |       | P        | 4.6 |
| 7 | <input type="checkbox"/> |       |            | 8098.91 |       | P        | 1.9 |
| 8 | <input type="checkbox"/> |       |            | 4656.46 |       | P        | 1.9 |

**203 Tl [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      | 163.90     | 0.0001 | P        | 6.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.913      | 1827.96    | 0.0009 | P        | 5.7 |
| 3 | <input type="checkbox"/> | 50.000   | 46.266     | 90864.52   | 0.0437 | P        | 3.1 |
| 4 | <input type="checkbox"/> | 125.000  | 117.755    | 233492.93  | 0.1111 | P        | 2.7 |
| 5 | <input type="checkbox"/> | 250.000  | 231.515    | 464068.17  | 0.2184 | P        | 2.0 |
| 6 | <input type="checkbox"/> | 500.000  | 471.833    | 948064.05  | 0.4450 | P        | 8.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 1019.797   | 2047659.85 | 0.9616 | A        | 1.5 |
| 8 | <input type="checkbox"/> |          |            | 638.92     | 0.0003 | P        | 4.8 |

$$y = 9.4287E-004 * x + 8.0123E-005$$

$$R = 0.9992$$

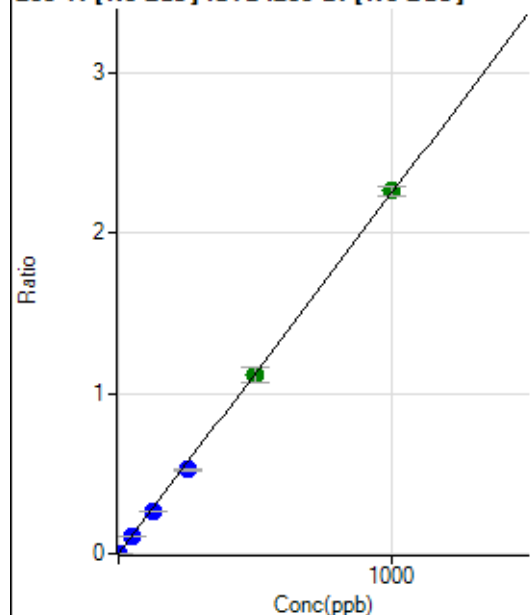
$$DL = 0.01575$$

$$BEC = 0.08498$$

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      | 386.13     | 0.0002 | P   | 15.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.930      | 4434.23    | 0.0023 | P   | 5.6  |
| 3 | <input type="checkbox"/> | 50.000   | 46.526     | 217720.94  | 0.1047 | P   | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 117.118    | 553199.90  | 0.2633 | P   | 3.1  |
| 5 | <input type="checkbox"/> | 250.000  | 232.852    | 1112017.75 | 0.5232 | P   | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 497.253    | 2380902.16 | 1.1171 | A   | 8.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.819   | 4815940.21 | 2.2617 | A   | 2.7  |
| 8 | <input type="checkbox"/> |          |            | 1447.35    | 0.0007 | P   | 10.1 |

$$y = 0.0022 * x + 1.8897E-004$$

$$R = 0.9998$$

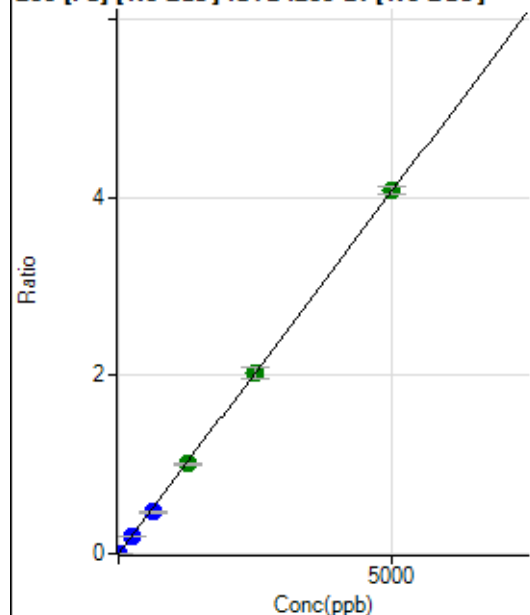
$$DL = 0.04023$$

$$BEC = 0.08413$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 333.34     | 0.0002 | P   | 5.6  |
| 2 | <input type="checkbox"/> | 1.000    | 0.863      | 1674.21    | 0.0009 | P   | 11.0 |
| 3 | <input type="checkbox"/> | 250.000  | 231.844    | 391853.28  | 0.1884 | P   | 2.7  |
| 4 | <input type="checkbox"/> | 625.000  | 578.363    | 987342.94  | 0.4699 | P   | 3.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1236.108   | 2133522.60 | 1.0040 | A   | 3.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2492.549   | 4317049.08 | 2.0244 | A   | 6.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 5013.936   | 8670628.66 | 4.0720 | A   | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 2255.80    | 0.0011 | P   | 7.1  |

$$y = 8.1211E-004 * x + 1.6300E-004$$

$$R = 1.0000$$

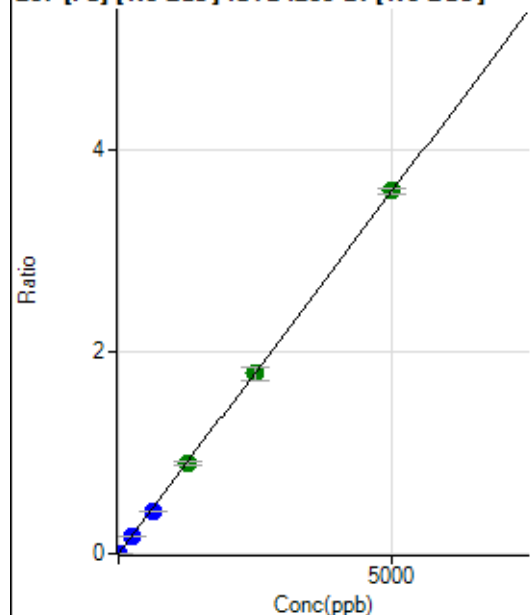
$$DL = 0.03399$$

$$BEC = 0.2007$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 253.71     | 0.0001 | P        | 12.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.925      | 1533.45    | 0.0008 | P        | 4.2  |
| 3 | <input type="checkbox"/> | 250.000  | 230.768    | 344298.41  | 0.1656 | P        | 1.2  |
| 4 | <input type="checkbox"/> | 625.000  | 583.698    | 879834.85  | 0.4186 | P        | 1.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1244.746   | 1896631.35 | 0.8926 | A        | 3.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2487.016   | 3801343.95 | 1.7832 | A        | 7.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 5013.930   | 7655914.75 | 3.5950 | A        | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 1929.81    | 0.0010 | P        | 10.0 |

$$y = 7.1697E-004 * x + 1.2389E-004$$

$$R = 1.0000$$

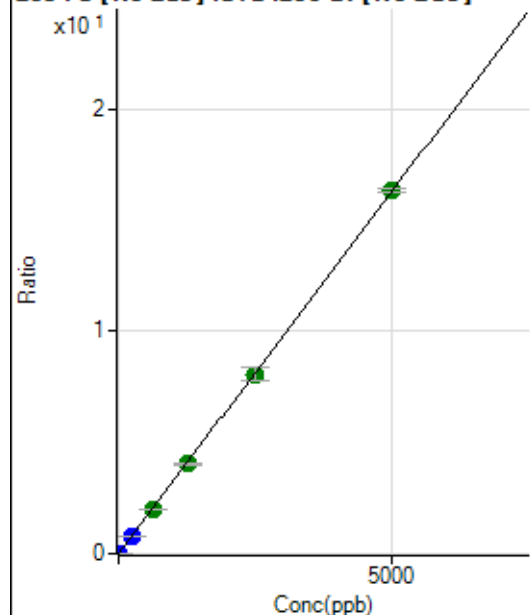
$$DL = 0.06672$$

$$BEC = 0.1728$$

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      | 1227.83     | 0.0006  | P        | 7.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.903      | 6852.70     | 0.0035  | P        | 9.3 |
| 3 | <input type="checkbox"/> | 250.000  | 231.668    | 1567063.59  | 0.7537  | P        | 2.2 |
| 4 | <input type="checkbox"/> | 625.000  | 606.235    | 4142737.65  | 1.9712  | A        | 2.1 |
| 5 | <input type="checkbox"/> | 1250.000 | 1237.706   | 8551564.18  | 4.0239  | A        | 1.3 |
| 6 | <input type="checkbox"/> | 2500.000 | 2479.462   | 17184797.06 | 8.0604  | A        | 7.4 |
| 7 | <input type="checkbox"/> | 5000.000 | 5016.605   | 34726763.27 | 16.3076 | A        | 1.1 |
| 8 | <input type="checkbox"/> |          |            | 8860.62     | 0.0045  | P        | 7.4 |

$$y = 0.0033 * x + 5.9972E-004$$

$$R = 1.0000$$

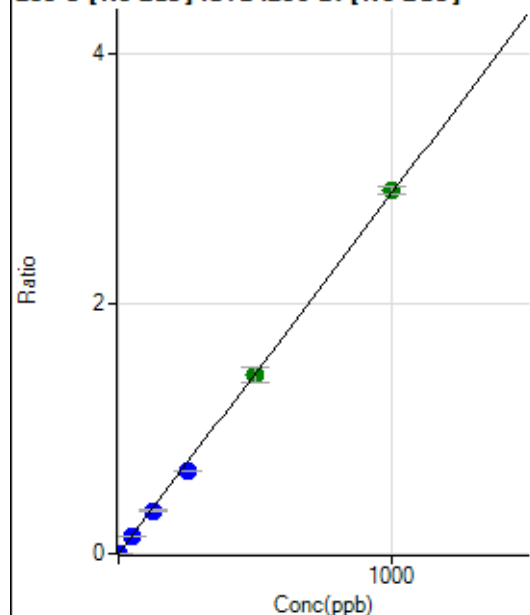
$$DL = 0.04253$$

$$BEC = 0.1845$$

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      | 30.56      | 0.0000 | P        | 40.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.920      | 5173.44    | 0.0027 | P        | 8.8  |
| 3 | <input type="checkbox"/> | 50.000   | 46.597     | 279338.95  | 0.1343 | P        | 2.9  |
| 4 | <input type="checkbox"/> | 125.000  | 118.062    | 715175.08  | 0.3404 | P        | 3.6  |
| 5 | <input type="checkbox"/> | 250.000  | 231.016    | 1415313.97 | 0.6660 | P        | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 496.441    | 3049597.44 | 1.4311 | A        | 8.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1007.563   | 6184923.23 | 2.9045 | A        | 2.0  |
| 8 | <input type="checkbox"/> |          |            | 444.46     | 0.0002 | P        | 13.6 |

$$y = 0.0029 * x + 1.4885E-005$$

$$R = 0.9998$$

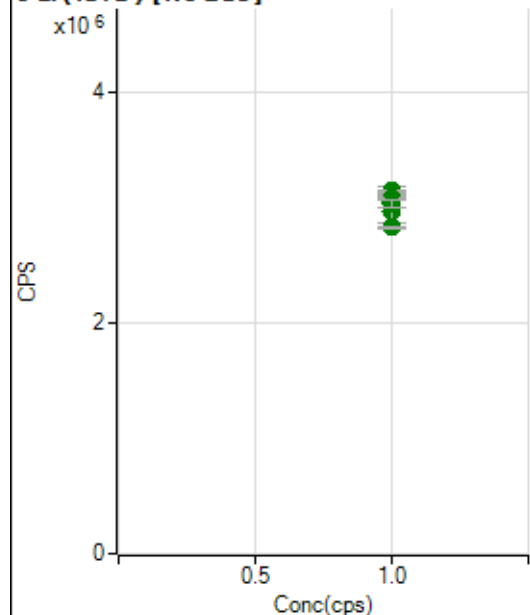
$$DL = 0.006292$$

$$BEC = 0.005163$$

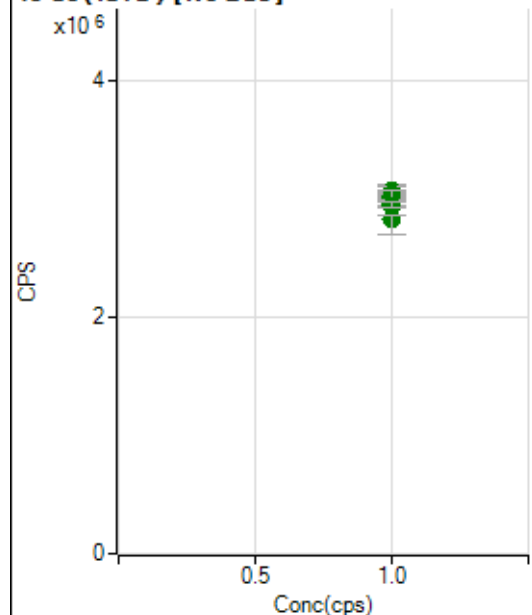
Weight: &lt;None&gt;

Min Conc: 0

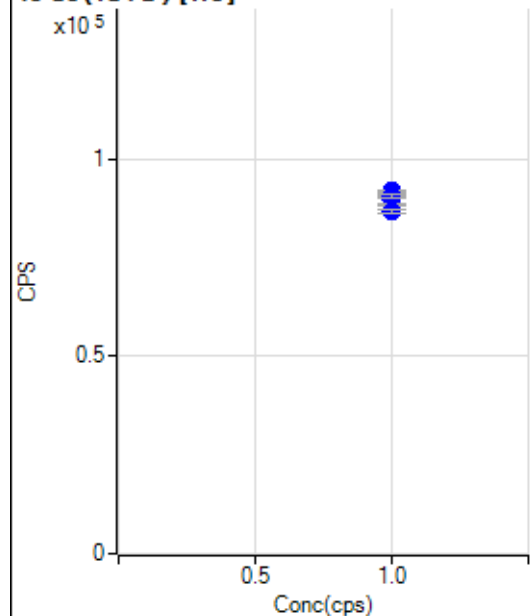
6 Li (ISTD) [No Gas]



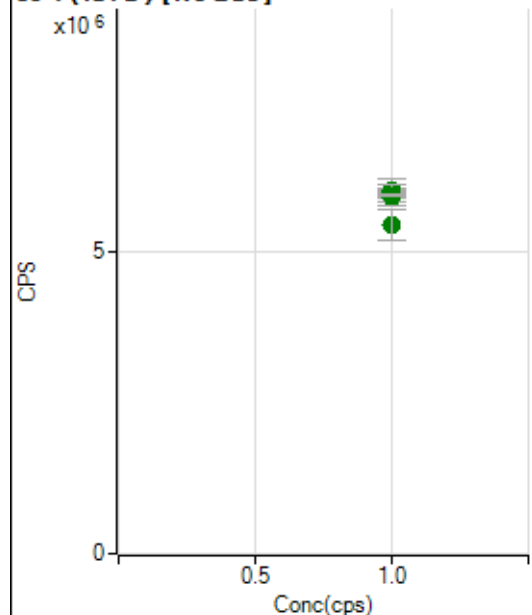
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3142612.21 |       | A        | 2.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2979881.63 |       | A        | 7.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3140396.83 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3149964.38 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3084963.94 |       | A        | 0.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3050036.17 |       | A        | 2.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3040590.45 |       | A        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2830220.68 |       | A        | 0.1 |

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

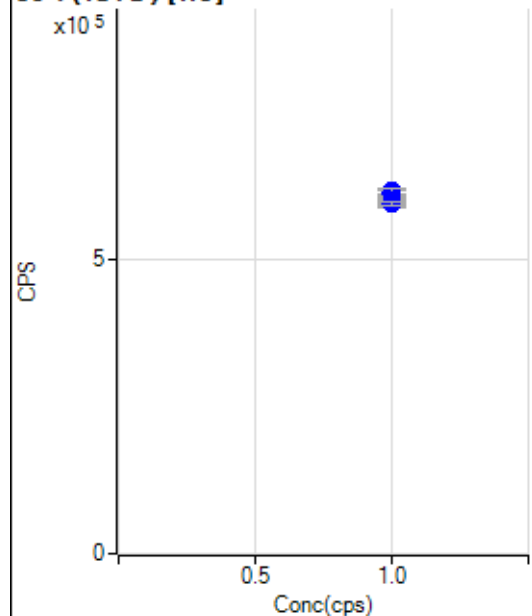
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3070256.76 |       | A        | 4.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2826703.08 |       | A        | 8.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3072385.27 |       | A        | 2.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3042229.36 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3007100.48 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2966432.59 |       | A        | 6.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3035553.53 |       | A        | 2.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2955621.21 |       | A        | 1.5 |

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

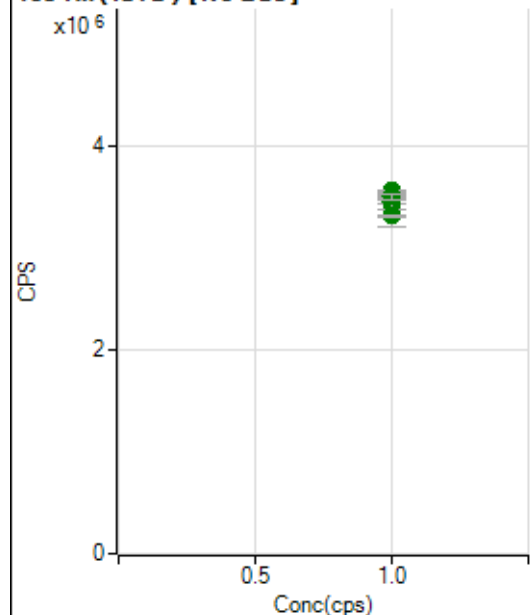
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 91202.63 |       | P        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 90212.56 |       | P        | 3.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 91951.71 |       | P        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 89752.67 |       | P        | 2.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 89443.34 |       | P        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 88631.82 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 90653.16 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 86795.93 |       | P        | 0.9 |

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

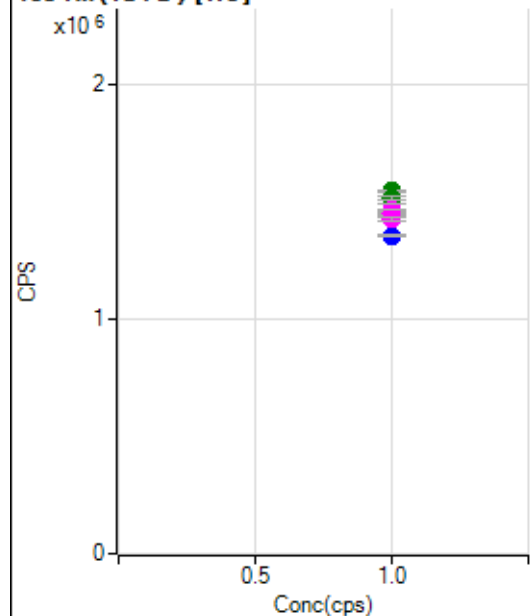
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5963233.04 |       | A        | 2.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5447010.51 |       | A        | 9.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5974110.05 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5909111.30 |       | A        | 2.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5883547.20 |       | A        | 2.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5976714.08 |       | A        | 7.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5994049.15 |       | A        | 3.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5919231.72 |       | A        | 0.8 |

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

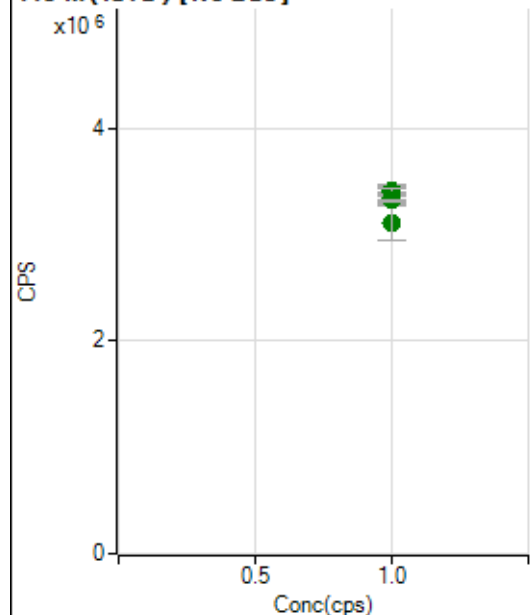
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 618407.98 |       | P        | 1.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 612887.42 |       | P        | 2.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 615988.82 |       | P        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 599920.37 |       | P        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 595136.14 |       | P        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 600456.90 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 602775.74 |       | P        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 595618.17 |       | P        | 1.1 |

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

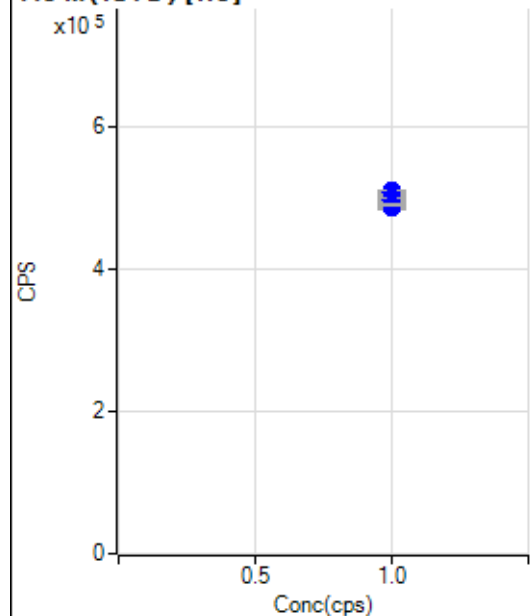
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3563240.18 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3386257.67 |       | A        | 9.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3507539.84 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3511191.23 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3451862.32 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3482556.50 |       | A        | 5.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3503677.38 |       | A        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3315695.17 |       | A        | 0.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1547119.06 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1516700.98 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1471783.88 |       | M        | 2.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1449409.18 |       | M        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1466578.42 |       | M        | 3.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1451236.80 |       | M        | 2.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1429159.39 |       | M        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1356548.84 |       | P        | 1.0 |

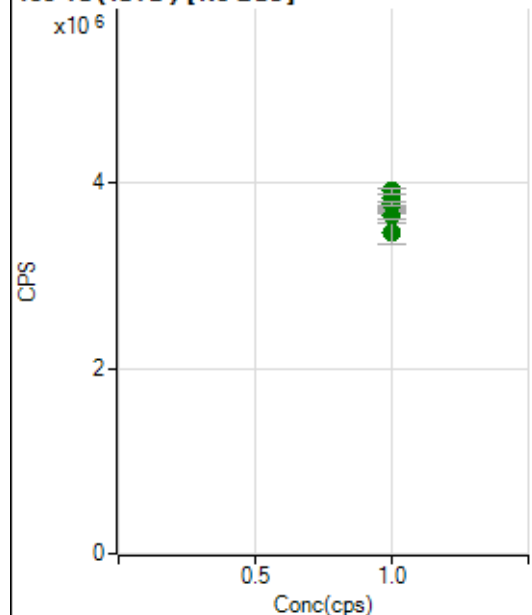
**115 In (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 3337428.28 |       | A        | 3.6  |
| 2 | <input type="checkbox"/> | 1.000 |            | 3104457.15 |       | A        | 10.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3321832.01 |       | A        | 1.9  |
| 4 | <input type="checkbox"/> | 1.000 |            | 3378681.43 |       | A        | 0.1  |
| 5 | <input type="checkbox"/> | 1.000 |            | 3404402.86 |       | A        | 2.4  |
| 6 | <input type="checkbox"/> | 1.000 |            | 3407614.98 |       | A        | 3.3  |
| 7 | <input type="checkbox"/> | 1.000 |            | 3392160.68 |       | A        | 2.3  |
| 8 | <input type="checkbox"/> | 1.000 |            | 3316569.68 |       | A        | 0.7  |

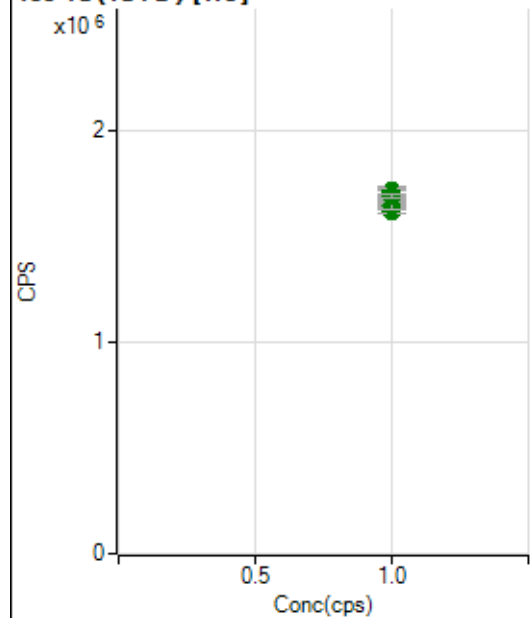
**115 In (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 510236.86 |       | P        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 501102.28 |       | P        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 507216.38 |       | P        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 500293.73 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 496782.48 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 486867.79 |       | P        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 489265.15 |       | P        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 490048.58 |       | P        | 0.6 |

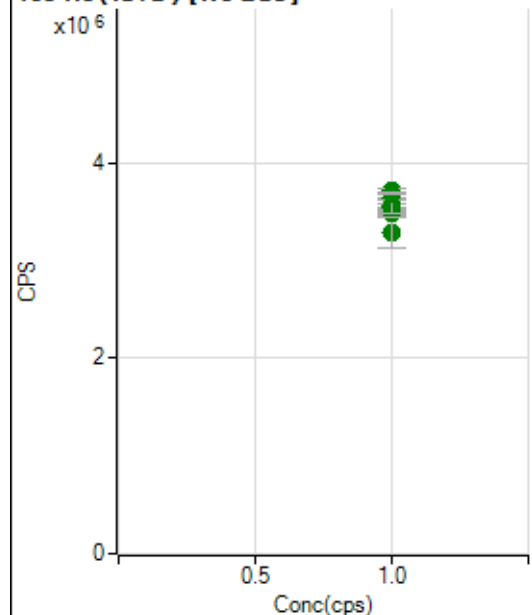


**159 Tb (ISTD) [No Gas]**

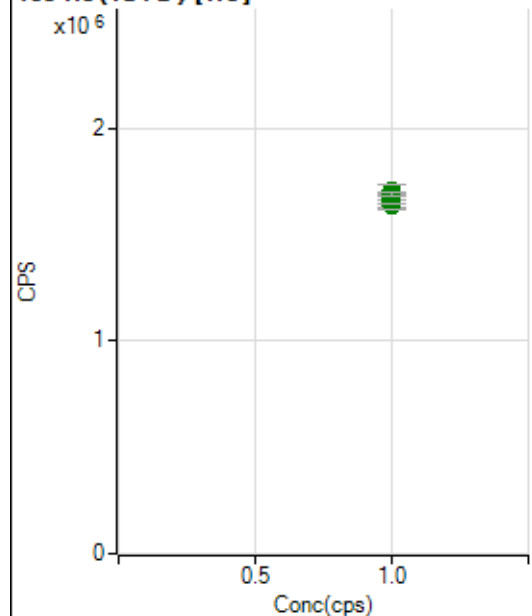
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3703495.88 |       | A        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3461602.80 |       | A        | 6.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3658515.33 |       | A        | 2.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3723900.99 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3760419.74 |       | A        | 2.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3845642.34 |       | A        | 5.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3915434.21 |       | A        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3779894.04 |       | A        | 1.1 |

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

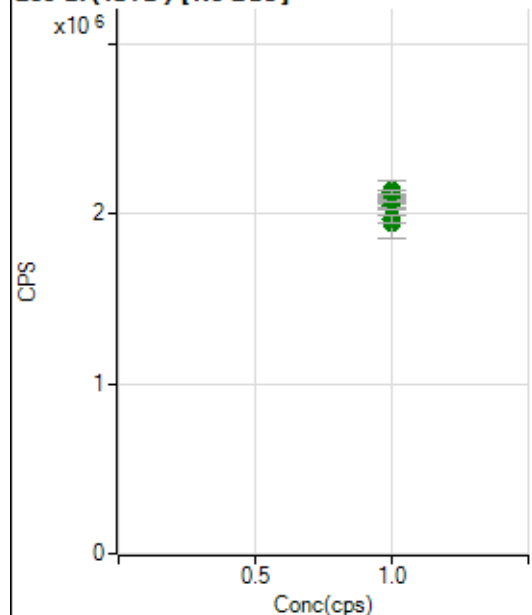
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1664533.97 |       | A        | 2.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1617821.92 |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1706163.58 |       | A        | 1.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1661689.99 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1641646.61 |       | A        | 2.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1713607.13 |       | A        | 2.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1705501.66 |       | A        | 2.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1691431.29 |       | A        | 0.9 |

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

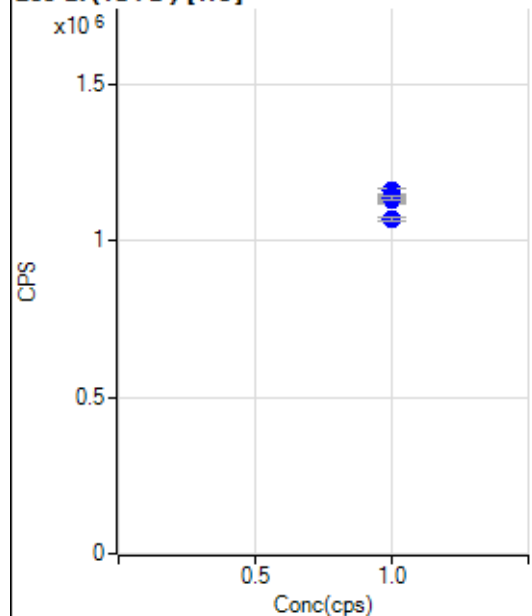
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 3560585.76 |       | A        | 1.1  |
| 2 | <input type="checkbox"/> | 1.000 |            | 3286477.07 |       | A        | 10.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3475585.10 |       | A        | 1.9  |
| 4 | <input type="checkbox"/> | 1.000 |            | 3572909.63 |       | A        | 3.4  |
| 5 | <input type="checkbox"/> | 1.000 |            | 3628764.75 |       | A        | 2.4  |
| 6 | <input type="checkbox"/> | 1.000 |            | 3544053.51 |       | A        | 3.9  |
| 7 | <input type="checkbox"/> | 1.000 |            | 3709544.87 |       | A        | 1.4  |
| 8 | <input type="checkbox"/> | 1.000 |            | 3682443.36 |       | A        | 0.6  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1671175.10 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1651337.76 |       | A        | 3.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1677058.79 |       | A        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1632250.45 |       | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1665069.97 |       | A        | 2.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1704826.28 |       | A        | 3.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1704844.57 |       | A        | 3.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1688303.55 |       | A        | 1.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2045947.02 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1950146.86 |       | A        | 9.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2079481.22 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2102068.47 |       | A        | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2125272.62 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2137416.15 |       | A        | 5.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2129548.96 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1972790.53 |       | A        | 2.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1158884.29 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1135415.58 |       | P        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1145117.69 |       | P        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1129267.42 |       | P        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1130675.88 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1129422.66 |       | P        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1134957.21 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1070094.33 |       | P        | 0.9 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP8121622-MS.b  
Acq. Date-Time 2022-12-16 13:47:09  
Report Comment ---  
Instrument Name G8403A SG19224459

[No Gas]

## Sensitivity

| Mass | Conc. [ug/l] | Count  | CPS        | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%   | RSD% (Required) |
|------|--------------|--------|------------|----------------------------|-------------|--------|-----------------|
| 9    |              | 12304  | 123038.25  |                            |             | 0.654  | 5.000           |
| 24   |              | 255068 | 2550678.14 |                            |             | 1.177  | 5.000           |
| 25   |              | 34575  | 345753.31  |                            |             | 0.699  | 5.000           |
| 26   |              | 40353  | 403528.38  |                            |             | 0.469  | 5.000           |
| 59   |              | 43092  | 430921.92  |                            |             | 0.876  | 5.000           |
| 113  |              | 3831   | 38310.07   |                            |             | 0.629  | 5.000           |
| 115  |              | 45673  | 456730.19  |                            |             | 1.087  | 5.000           |
| 206  |              | 7733   | 77333.06   |                            |             | 0.700  | 5.000           |
| 207  |              | 6937   | 69371.93   |                            |             | 1.419  | 5.000           |
| 208  |              | 16558  | 165577.26  |                            |             | 0.900  | 5.000           |
| 220  |              | 1      | 8.70       |                            |             | 14.425 |                 |

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

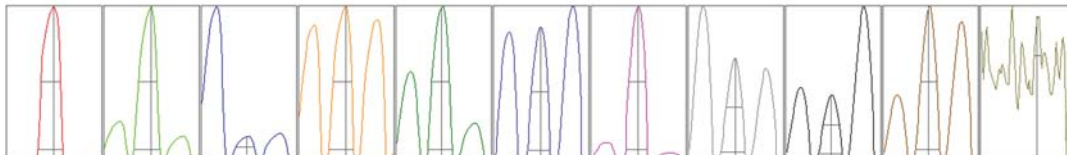
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 12353       | 12184       | 12352       | 12372       | 12257       |
| 24   | 254629      | 251866      | 254027      | 254803      | 260013      |
| 25   | 34305       | 34486       | 34602       | 34962       | 34523       |
| 26   | 40080       | 40379       | 40461       | 40575       | 40269       |
| 59   | 43122       | 42881       | 42769       | 43727       | 42962       |
| 113  | 3853        | 3799        | 3829        | 3818        | 3856        |
| 115  | 45845       | 46393       | 45069       | 45403       | 45655       |
| 206  | 7746        | 7780        | 7659        | 7784        | 7697        |
| 207  | 6797        | 7039        | 6925        | 6902        | 7023        |
| 208  | 16331       | 16492       | 16652       | 16611       | 16703       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 21311.67    | 9.00   | 8.90 - 9.10     |             |
| 24   | 463343.20   | 24.00  | 23.90 - 24.10   |             |
| 25   | 61014.70    | 24.95  | 24.90 - 25.10   |             |
| 26   | 71296.23    | 26.00  | 25.90 - 26.10   |             |
| 59   | 80253.16    | 58.95  | 58.90 - 59.10   |             |
| 113  | 7674.16     | 113.00 | 112.90 - 113.10 |             |
| 115  | 91056.23    | 115.00 | 114.90 - 115.10 |             |
| 206  | 15602.55    | 206.00 | 205.90 - 206.10 |             |
| 207  | 14063.81    | 206.95 | 206.90 - 207.10 |             |
| 208  | 33677.78    | 207.95 | 207.90 - 208.10 |             |
| 220  | 1.35        | 220.30 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.62  | 0.779 | 0.900           |             |
| 24   | 0.59  | 0.823 | 0.900           |             |
| 25   | 0.59  | 0.740 | 0.900           |             |
| 26   | 0.61  | 0.782 | 0.900           |             |
| 59   | 0.56  | 0.777 | 0.900           |             |
| 113  | 0.53  | 0.713 | 0.900           |             |
| 115  | 0.53  | 0.688 | 0.900           |             |
| 206  | 0.51  | 0.761 | 0.900           |             |
| 207  | 0.52  | 0.757 | 0.900           |             |
| 208  | 0.51  | 0.766 | 0.900           |             |
| 220  | 0.21  |       |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.87 L/min Dilution Gas 0.40 L/min

# US EPA Tune Check Report

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

## Lens Parameters

|            |          |               |       |            |        |
|------------|----------|---------------|-------|------------|--------|
| Extract 1  | -6.0 V   | Omega Lens    | 9.1 V | Deflect    | 15.4 V |
| Extract 2  | -170.0 V | Cell Entrance | -30 V | Plate Bias | -50 V  |
| Omega Bias | -95 V    | Cell Exit     | -50 V |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 4.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 180 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 124 | Axis Gain   | 0.9994 | QP Bias | -4.0 V |
| Mass Offset | 124 | Axis Offset | -0.04  |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 1.1 mm | Torch V | -0.7 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.7 mV | Analog HV | 2293 V | Pulse HV | 1623 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 8678  | 86781.59  |                            |             | 0.786 |                 |
| 89   |              | 15213 | 152134.14 |                            |             | 0.898 |                 |
| 205  |              | 7129  | 71292.10  |                            |             | 1.238 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 8618        | 8644        | 8654        | 8793        | 8682        |
| 89   | 15210       | 15245       | 15005       | 15387       | 15220       |
| 205  | 7172        | 7082        | 7034        | 7260        | 7097        |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |         |                |            |               |            |
|--------------|---------|----------------|------------|---------------|------------|
| Plasma Mode  | ---     | Nebulizer Gas  | 0.87 L/min | Dilution Gas  | 0.40 L/min |
| RF Power     | 1600 W  | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.40 V  | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 10.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |        |            |       |         |       |
|-----------|--------|------------|-------|---------|-------|
| Extract 1 | -6.0 V | Omega Lens | 9.1 V | Deflect | 5.2 V |
|-----------|--------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -170.0 V | Cell Entrance | -50 V | Plate Bias | -60 V |
| Omega Bias | -95 V    | Cell Exit     | -70 V |            |       |

## Cell Parameters

|         |            |              |         |                       |       |
|---------|------------|--------------|---------|-----------------------|-------|
| Use Gas | Yes        | 3rd Gas Flow | ---     | Energy Discrimination | 5.0 V |
| He Flow | 4.5 mL/min | OctP Bias    | -18.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 200 V   |                       |       |

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 124 | Axis Gain   | 0.9994 | QP Bias | -13.0 V |
| Mass Offset | 124 | Axis Offset | -0.04  |         |         |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 1.1 mm | Torch V | -0.7 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.7 mV | Analog HV | 2293 V | Pulse HV | 1623 V |
|---------------|--------|-----------|--------|----------|--------|