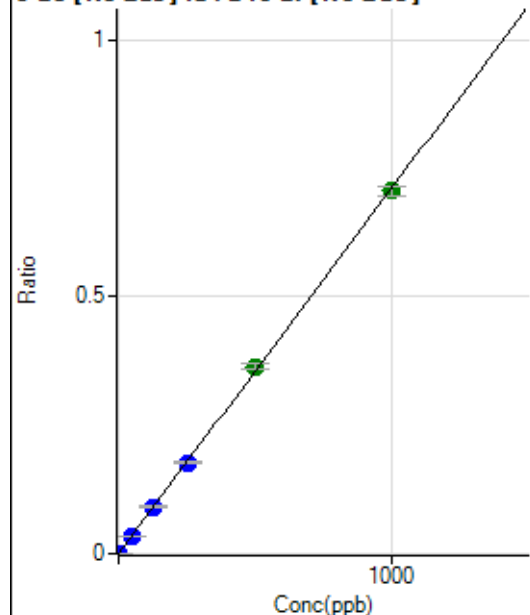


Batch Folder: D:\Agilent\ICPMH\1\DATA\P810192MS.b\  
Analysis File: P810192MS.batch.bin  
DA Date-Time: 2021-10-19 14:46:29  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 006CALB.d          | S00         | 2021-10-19 10:29:28 |
| 2     | 007CAL.S.d         | S01         | 2021-10-19 10:32:32 |
| 3     | 009CAL.S.d         | S02         | 2021-10-19 10:38:41 |
| 4     | 010CAL.S.d         | S03         | 2021-10-19 10:41:47 |
| 5     | 011CAL.S.d         | S04         | 2021-10-19 10:44:50 |
| 6     | 012CAL.S.d         | S05         | 2021-10-19 10:47:56 |
| 7     | 013CAL.S.d         | S06         | 2021-10-19 10:50:59 |
| 8     | 014CAL.S.d         | S07         | 2021-10-19 10:54:05 |
| 9     | 015CAL.S.d         | S08         | 2021-10-19 10:57:08 |

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 43.32      | 0.0000 | P    | 18.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.100      | 329.27     | 0.0001 | P    | 6.3  |
| 3 | <input type="checkbox"/> | 1.000    | 0.994      | 2882.39    | 0.0007 | P    | 2.8  |
| 4 | <input type="checkbox"/> | 50.000   | 48.344     | 144451.84  | 0.0344 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 125.000  | 128.951    | 372785.50  | 0.0917 | P    | 5.0  |
| 6 | <input type="checkbox"/> | 250.000  | 249.131    | 742263.28  | 0.1772 | P    | 2.5  |
| 7 | <input type="checkbox"/> | 500.000  | 512.652    | 1502781.16 | 0.3646 | A    | 2.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.480    | 3011494.10 | 0.7066 | A    | 3.0  |
| 9 | <input type="checkbox"/> |          |            | 315.94     | 0.0001 | P    | 16.2 |

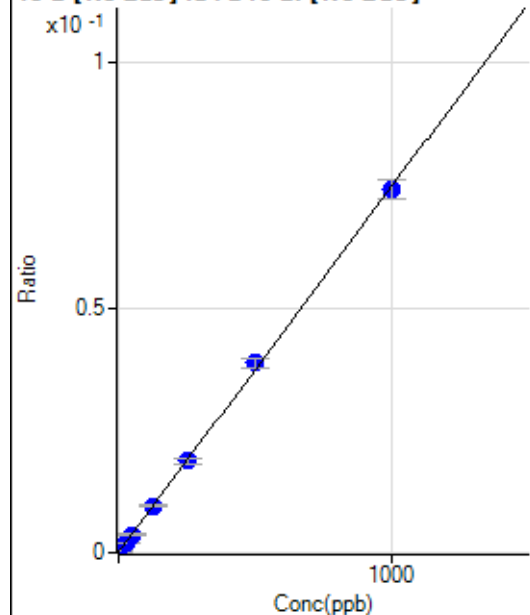
$$y = 7.1124\text{E-}004 * x + 1.0165\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.008093$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 277.28    | 0.0001 | P    | 3.3  |
| 2 | <input type="checkbox"/> | 2.500    | 2.209      | 932.51    | 0.0002 | P    | 11.2 |
| 3 | <input type="checkbox"/> | 25.000   | 24.282     | 7554.49   | 0.0019 | P    | 4.2  |
| 4 | <input type="checkbox"/> | 50.000   | 48.305     | 15428.42  | 0.0037 | P    | 5.4  |
| 5 | <input type="checkbox"/> | 125.000  | 127.184    | 38944.57  | 0.0096 | P    | 1.7  |
| 6 | <input type="checkbox"/> | 250.000  | 248.973    | 78152.48  | 0.0187 | P    | 6.1  |
| 7 | <input type="checkbox"/> | 500.000  | 517.546    | 159629.09 | 0.0387 | P    | 4.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.314    | 315856.20 | 0.0741 | P    | 5.2  |
| 9 | <input type="checkbox"/> |          |            | 29735.50  | 0.0072 | P    | 7.2  |

$$y = 7.4715\text{E-}005 * x + 6.5044\text{E-}005$$

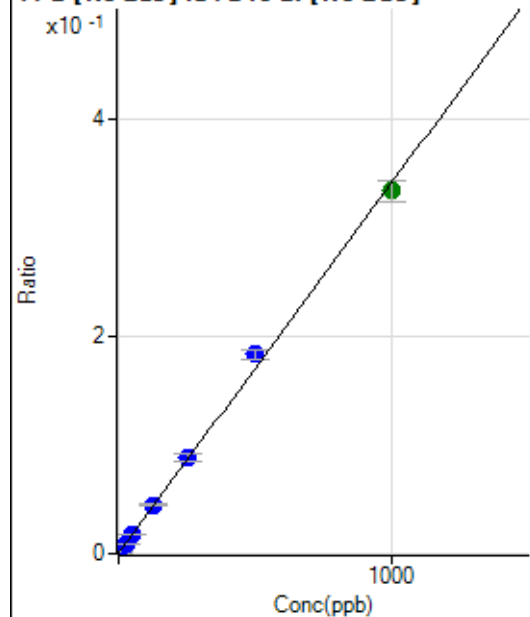
$$R = 0.9998$$

$$DL = 0.08514$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1347.13    | 0.0003 | P        | 2.7 |
| 2 | <input type="checkbox"/> | 2.500    | 2.345      | 4530.48    | 0.0011 | P        | 3.6 |
| 3 | <input type="checkbox"/> | 25.000   | 25.247     | 35925.53   | 0.0089 | P        | 3.7 |
| 4 | <input type="checkbox"/> | 50.000   | 50.008     | 73030.46   | 0.0174 | P        | 5.9 |
| 5 | <input type="checkbox"/> | 125.000  | 130.419    | 182468.98  | 0.0448 | P        | 2.2 |
| 6 | <input type="checkbox"/> | 250.000  | 258.844    | 371307.01  | 0.0887 | P        | 7.6 |
| 7 | <input type="checkbox"/> | 500.000  | 536.720    | 756663.67  | 0.1836 | P        | 4.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 978.746    | 1425123.11 | 0.3345 | A        | 5.9 |
| 9 | <input type="checkbox"/> |          |            | 140829.40  | 0.0343 | P        | 9.0 |

$$y = 3.4147\text{E-}004 * x + 3.1600\text{E-}004$$

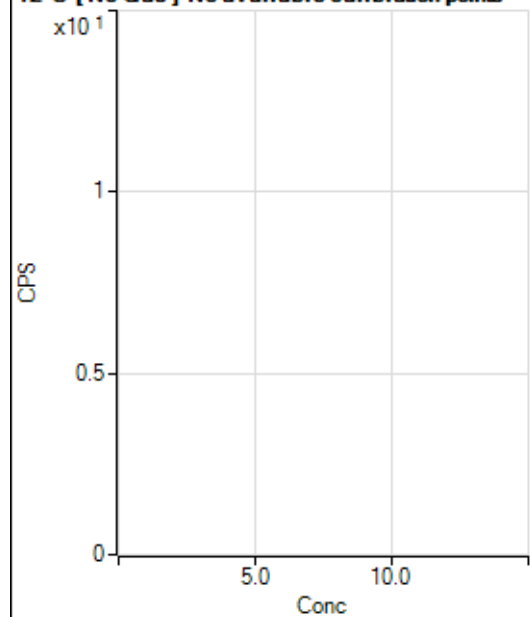
$$R = 0.9990$$

$$DL = 0.07367$$

Weight: &lt;None&gt;

Min Conc: 0

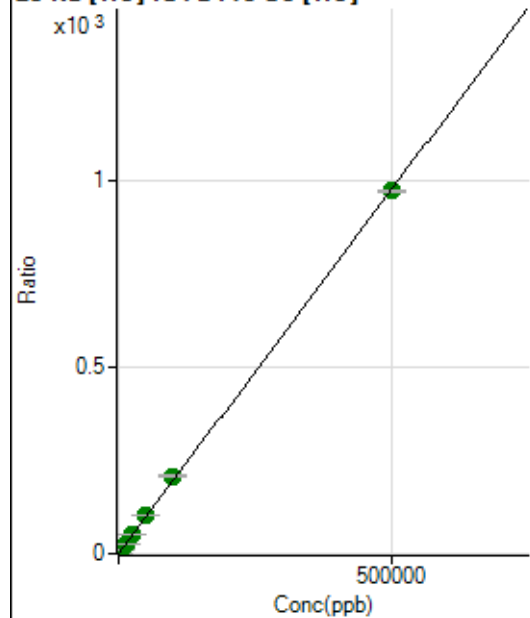
12 C [No Gas] No available calibration points



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 5121282.10 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> |       |            | 5933986.11 |       | A        | 2.2 |
| 3 | <input type="checkbox"/> |       |            | 5969616.98 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> |       |            | 6315386.12 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> |       |            | 6570957.05 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> |       |            | 6544214.29 |       | A        | 3.0 |
| 7 | <input type="checkbox"/> |       |            | 6966380.54 |       | A        | 2.1 |
| 8 | <input type="checkbox"/> |       |            | 7091724.29 |       | A        | 2.2 |
| 9 | <input type="checkbox"/> |       |            | 6892491.39 |       | A        | 1.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 52123.78 |       | P        | 1.6 |
| 2 | <input type="checkbox"/> |       |            | 62946.77 |       | P        | 0.7 |
| 3 | <input type="checkbox"/> |       |            | 61663.30 |       | P        | 1.0 |
| 4 | <input type="checkbox"/> |       |            | 66445.32 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> |       |            | 66576.15 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> |       |            | 66333.65 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> |       |            | 70843.53 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> |       |            | 74838.43 |       | P        | 0.1 |
| 9 | <input type="checkbox"/> |       |            | 82822.19 |       | P        | 1.3 |

**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      | 22067.09    | 0.0803   | P        | 1.8 |
| 2 | <input type="checkbox"/> | 50.000    | 56.112     | 50128.45    | 0.1896   | P        | 2.9 |
| 3 | <input type="checkbox"/> | 500.000   | 512.313    | 286853.55   | 1.0783   | P        | 1.2 |
| 4 | <input type="checkbox"/> | 5000.000  | 5422.533   | 2845528.10  | 10.6439  | A        | 0.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 13445.653  | 6845064.26  | 26.2737  | A        | 2.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 26854.354  | 13469165.93 | 52.3951  | A        | 2.5 |
| 7 | <input type="checkbox"/> | 50000.000 | 53078.407  | 26813272.30 | 103.4820 | A        | 1.4 |
| 8 | <input type="checkbox"/> | 100000.00 | 106368.78  | 53631452.59 | 207.2967 | A        | 1.5 |
| 9 | <input type="checkbox"/> | 500000.00 | 498297.80  | 264081292.0 | 970.8113 | A        | 0.6 |

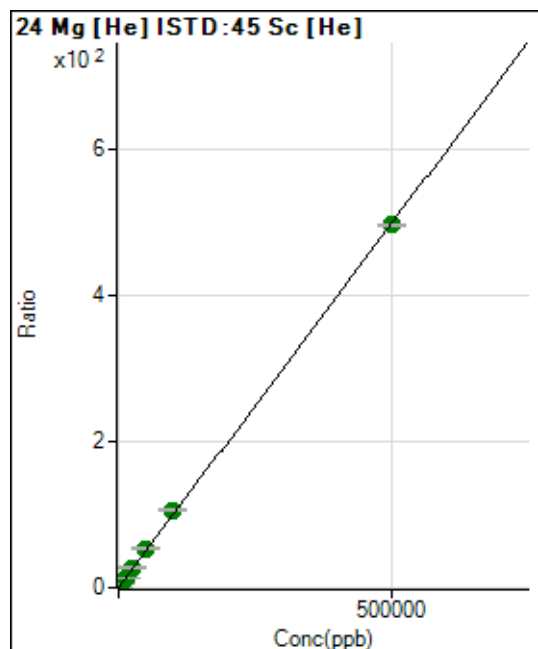
$$y = 0.0019 * x + 0.0803$$

$$R = 0.9999$$

$$DL = 2.24$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 572.26      | 0.0021   | P    | 19.3 |
| 2 | <input type="checkbox"/> | 50.000    | 49.491     | 13606.76    | 0.0515   | P    | 2.7  |
| 3 | <input type="checkbox"/> | 500.000   | 504.874    | 134569.10   | 0.5058   | P    | 0.8  |
| 4 | <input type="checkbox"/> | 5000.000  | 5521.105   | 1473460.58  | 5.5108   | A    | 2.9  |
| 5 | <input type="checkbox"/> | 12500.000 | 13703.408  | 3562560.54  | 13.6749  | A    | 1.5  |
| 6 | <input type="checkbox"/> | 25000.000 | 27335.488  | 7011870.56  | 27.2765  | A    | 2.9  |
| 7 | <input type="checkbox"/> | 50000.000 | 53630.921  | 13865234.34 | 53.5131  | A    | 2.4  |
| 8 | <input type="checkbox"/> | 100000.00 | 106415.33  | 27470547.83 | 106.1796 | A    | 1.2  |
| 9 | <input type="checkbox"/> | 500000.00 | 498201.76  | 135219190.5 | 497.0903 | A    | 0.4  |

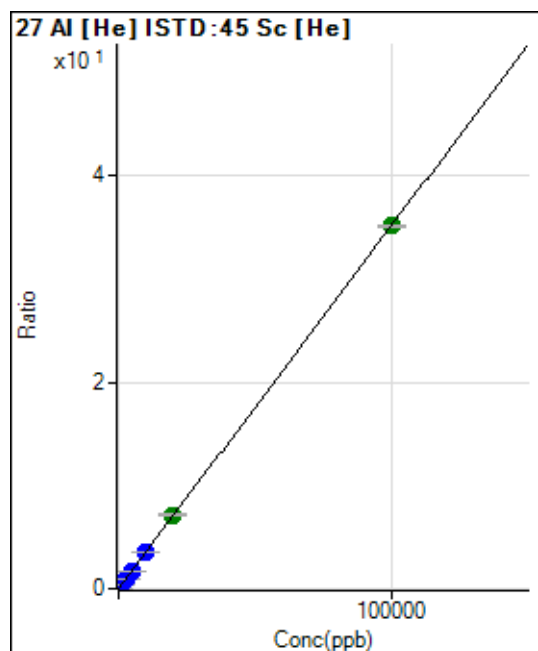
$$y = 9.9776E-004 * x + 0.0021$$

$$R = 0.9999$$

$$DL = 1.211$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 140.81     | 0.0005  | P    | 3.2 |
| 2 | <input type="checkbox"/> | 2.000     | 2.456      | 363.71     | 0.0014  | P    | 6.8 |
| 3 | <input type="checkbox"/> | 20.000    | 21.797     | 2174.48    | 0.0082  | P    | 4.2 |
| 4 | <input type="checkbox"/> | 1000.000  | 998.071    | 93933.49   | 0.3514  | P    | 0.8 |
| 5 | <input type="checkbox"/> | 2500.000  | 2514.500   | 230443.27  | 0.8845  | P    | 0.8 |
| 6 | <input type="checkbox"/> | 5000.000  | 5000.658   | 452081.09  | 1.7585  | P    | 0.2 |
| 7 | <input type="checkbox"/> | 10000.000 | 10011.743  | 912149.89  | 3.5201  | P    | 0.6 |
| 8 | <input type="checkbox"/> | 20000.000 | 20319.806  | 1847950.28 | 7.1439  | A    | 3.2 |
| 9 | <input type="checkbox"/> | 100000.00 | 99934.488  | 9556773.23 | 35.1325 | A    | 0.7 |

$$y = 3.5155E-004 * x + 5.1217E-004$$

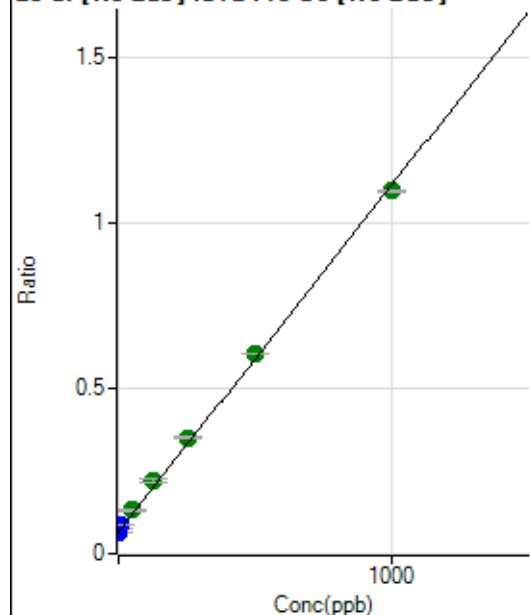
$$R = 1.0000$$

$$DL = 0.1412$$

Weight: <None>

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 548087.50  | 0.0661 | P        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000    | 8.217      | 583501.94  | 0.0748 | P        | 2.4 |
| 3 | <input type="checkbox"/> | 10.000   | 20.593     | 684863.92  | 0.0877 | P        | 3.5 |
| 4 | <input type="checkbox"/> | 50.000   | 61.894     | 1033675.37 | 0.1310 | A        | 2.6 |
| 5 | <input type="checkbox"/> | 125.000  | 148.110    | 1669480.57 | 0.2213 | A        | 4.0 |
| 6 | <input type="checkbox"/> | 250.000  | 271.196    | 2724129.42 | 0.3502 | A        | 2.1 |
| 7 | <input type="checkbox"/> | 500.000  | 514.604    | 4750579.75 | 0.6051 | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 983.802    | 8708333.96 | 1.0965 | A        | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 1434587.41 | 0.1787 | A        | 5.4 |

$$y = 0.0010 * x + 0.0661$$

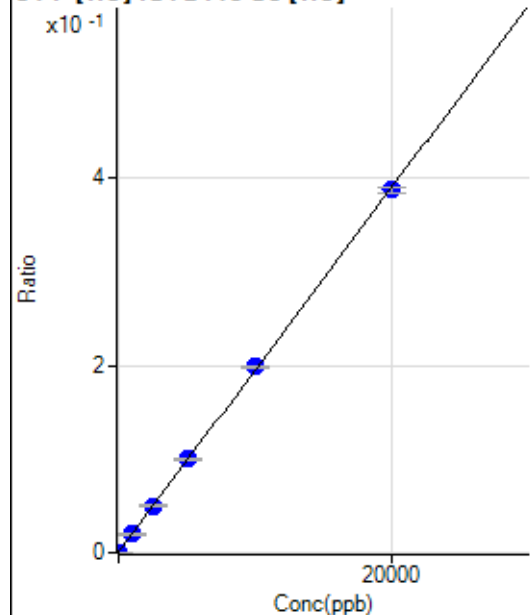
$$R = 0.9995$$

$$DL = 2.555$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | -2.227     | 172.23    | 0.0006 | P        | 22.8 |
| 2 | <input type="checkbox"/> | 0.000     | 0.675      | 180.56    | 0.0007 | P        | 21.7 |
| 3 | <input type="checkbox"/> | 0.000     | 1.552      | 186.12    | 0.0007 | P        | 25.6 |
| 4 | <input type="checkbox"/> | 1000.000  | 970.821    | 5226.09   | 0.0195 | P        | 8.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2539.957   | 13036.76  | 0.0500 | P        | 1.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 5094.896   | 25628.74  | 0.0997 | P        | 3.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 10185.081  | 51469.97  | 0.1986 | P        | 0.9  |
| 8 | <input type="checkbox"/> | 20000.000 | 19880.200  | 100139.69 | 0.3871 | P        | 1.6  |
| 9 | <input type="checkbox"/> |           |            | 194.45    | 0.0007 | P        | 21.8 |

$$y = 1.9436E-005 * x + 6.6972E-004$$

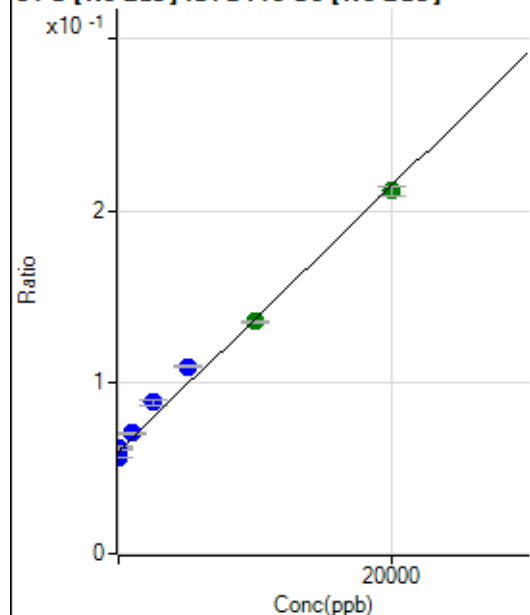
$$R = 0.9999$$

$$DL = 24.17$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | -462.696   | 464121.67  | 0.0560 | P   | 1.8 |
| 2 | <input type="checkbox"/> | 0.000     | 254.783    | 480675.23  | 0.0616 | P   | 1.8 |
| 3 | <input type="checkbox"/> | 0.000     | 207.913    | 477903.30  | 0.0612 | P   | 3.8 |
| 4 | <input type="checkbox"/> | 1000.000  | 1401.678   | 556163.12  | 0.0705 | P   | 2.0 |
| 5 | <input type="checkbox"/> | 2500.000  | 3670.333   | 664156.03  | 0.0880 | P   | 4.5 |
| 6 | <input type="checkbox"/> | 5000.000  | 6405.999   | 849820.71  | 0.1092 | P   | 1.0 |
| 7 | <input type="checkbox"/> | 10000.000 | 9757.573   | 1061469.11 | 0.1352 | A   | 0.9 |
| 8 | <input type="checkbox"/> | 20000.000 | 19603.338  | 1679606.87 | 0.2115 | A   | 2.5 |
| 9 | <input type="checkbox"/> |           |            | 418751.54  | 0.0522 | P   | 0.3 |

$$y = 7.7496E-006 * x + 0.0596$$

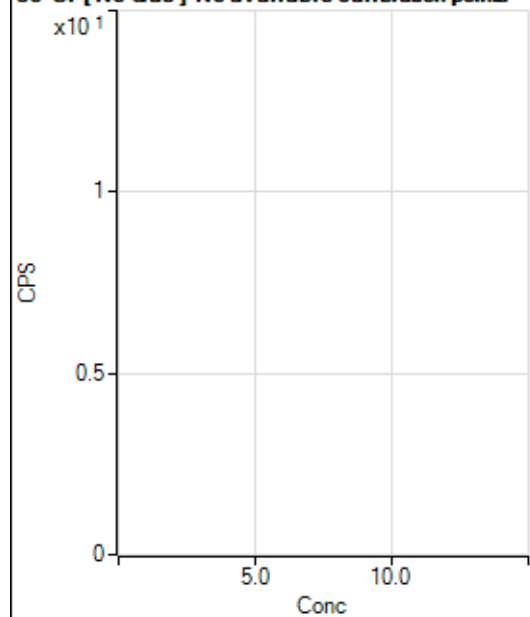
$$R = 0.9954$$

$$DL = 568.9$$

Weight: &lt;None&gt;

Min Conc: 0

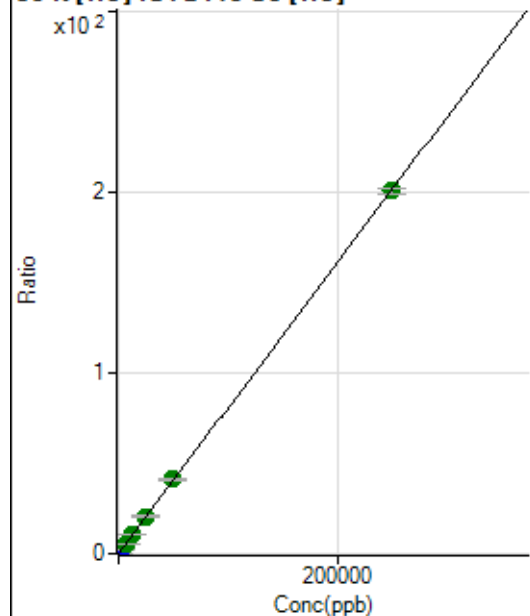
35 Cl [No Gas] No available calibration points



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det | RSD |
|---|--------------------------|-------|------------|------------|-------|-----|-----|
| 1 | <input type="checkbox"/> |       |            | 795812.35  |       | P   | 2.8 |
| 2 | <input type="checkbox"/> |       |            | 877419.54  |       | P   | 2.9 |
| 3 | <input type="checkbox"/> |       |            | 829298.79  |       | P   | 2.7 |
| 4 | <input type="checkbox"/> |       |            | 800612.50  |       | P   | 1.7 |
| 5 | <input type="checkbox"/> |       |            | 793288.10  |       | P   | 2.0 |
| 6 | <input type="checkbox"/> |       |            | 758257.38  |       | P   | 3.2 |
| 7 | <input type="checkbox"/> |       |            | 726900.67  |       | P   | 1.3 |
| 8 | <input type="checkbox"/> |       |            | 710245.79  |       | P   | 0.6 |
| 9 | <input type="checkbox"/> |       |            | 1028235.71 |       | P   | 2.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5084.37 |       | P        | 6.4  |
| 2 | <input type="checkbox"/> |       |            | 5509.52 |       | P        | 2.1  |
| 3 | <input type="checkbox"/> |       |            | 5126.05 |       | P        | 11.2 |
| 4 | <input type="checkbox"/> |       |            | 5153.84 |       | P        | 9.5  |
| 5 | <input type="checkbox"/> |       |            | 4698.12 |       | P        | 6.6  |
| 6 | <input type="checkbox"/> |       |            | 4656.48 |       | P        | 7.1  |
| 7 | <input type="checkbox"/> |       |            | 4481.36 |       | P        | 4.7  |
| 8 | <input type="checkbox"/> |       |            | 4175.72 |       | P        | 2.5  |
| 9 | <input type="checkbox"/> |       |            | 7727.28 |       | P        | 3.5  |

**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      | 19277.30    | 0.0701   | P        | 3.0 |
| 2 | <input type="checkbox"/> | 50.000    | 51.551     | 29486.32    | 0.1115   | P        | 1.3 |
| 3 | <input type="checkbox"/> | 500.000   | 476.070    | 120335.62   | 0.4523   | P        | 0.6 |
| 4 | <input type="checkbox"/> | 2500.000  | 2583.647   | 573225.51   | 2.1443   | P        | 1.0 |
| 5 | <input type="checkbox"/> | 6250.000  | 6538.176   | 1385766.49  | 5.3190   | A        | 1.6 |
| 6 | <input type="checkbox"/> | 12500.000 | 13023.935  | 2706122.96  | 10.5259  | A        | 1.2 |
| 7 | <input type="checkbox"/> | 25000.000 | 25641.732  | 5352513.14  | 20.6555  | A        | 2.1 |
| 8 | <input type="checkbox"/> | 50000.000 | 51356.383  | 10683731.05 | 41.2994  | A        | 2.5 |
| 9 | <input type="checkbox"/> | 250000.00 | 249630.36  | 54531355.39 | 200.4753 | A        | 1.2 |

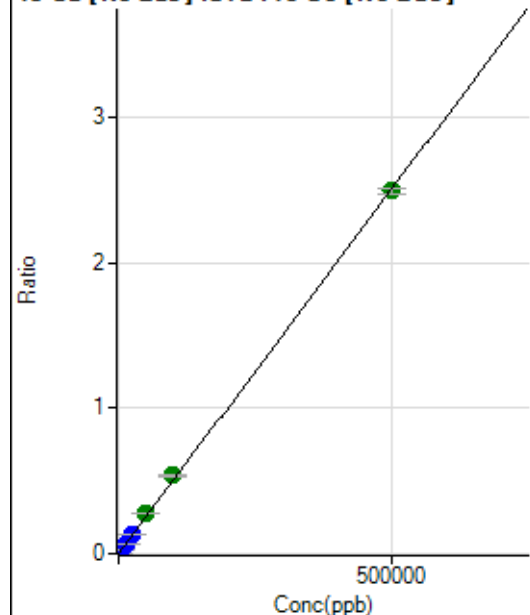
$$y = 8.0281\text{E-}004 * x + 0.0701$$

$$R = 1.0000$$

$$DL = 7.977$$

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      | 474.61      | 0.0001 | P    | 3.1 |
| 2 | <input type="checkbox"/> | 50.000    | 50.208     | 2409.04     | 0.0003 | P    | 2.8 |
| 3 | <input type="checkbox"/> | 500.000   | 499.166    | 19955.39    | 0.0026 | P    | 2.6 |
| 4 | <input type="checkbox"/> | 5000.000  | 5129.922   | 203095.59   | 0.0257 | P    | 1.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 13582.991  | 513188.94   | 0.0680 | P    | 4.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 26593.112  | 1035666.68  | 0.1331 | P    | 1.6 |
| 7 | <input type="checkbox"/> | 50000.000 | 54777.914  | 2152517.99  | 0.2742 | A    | 0.7 |
| 8 | <input type="checkbox"/> | 100000.00 | 107589.94  | 4276815.84  | 0.5385 | A    | 1.5 |
| 9 | <input type="checkbox"/> | 500000.00 | 497896.19  | 20000978.22 | 2.4918 | A    | 1.7 |

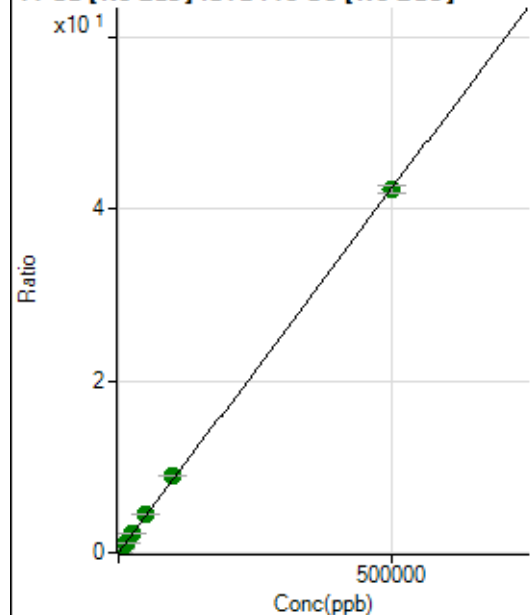
$$y = 5.0045\text{E-}006 * x + 5.7289\text{E-}005$$

$$R = 0.9998$$

$$DL = 1.05$$

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      | 43107.08    | 0.0052  | P    | 0.4 |
| 2 | <input type="checkbox"/> | 50.000    | 54.666     | 76691.89    | 0.0098  | P    | 2.0 |
| 3 | <input type="checkbox"/> | 500.000   | 498.823    | 369996.77   | 0.0474  | P    | 3.0 |
| 4 | <input type="checkbox"/> | 5000.000  | 5151.011   | 3479423.83  | 0.4408  | A    | 1.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 13665.921  | 8760662.75  | 1.1608  | A    | 3.0 |
| 6 | <input type="checkbox"/> | 25000.000 | 26171.347  | 17255638.80 | 2.2183  | A    | 1.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 52746.064  | 35058070.18 | 4.4655  | A    | 1.2 |
| 8 | <input type="checkbox"/> | 100000.00 | 105375.86  | 70818326.84 | 8.9159  | A    | 1.1 |
| 9 | <input type="checkbox"/> | 500000.00 | 498560.99  | 338444386.8 | 42.1641 | A    | 2.3 |

$$y = 8.4561\text{E-}005 * x + 0.0052$$

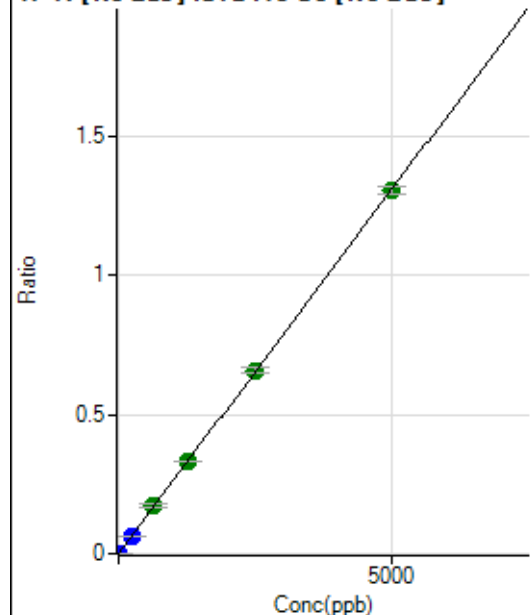
$$R = 0.9999$$

$$DL = 0.8258$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 297.23      | 0.0000 | P    | 8.2  |
| 2 | <input type="checkbox"/> | 0.500    | 0.485      | 1269.54     | 0.0002 | P    | 9.1  |
| 3 | <input type="checkbox"/> | 5.000    | 4.685      | 9856.43     | 0.0013 | P    | 4.0  |
| 4 | <input type="checkbox"/> | 250.000  | 246.275    | 509268.24   | 0.0645 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 625.000  | 650.618    | 1284028.61  | 0.1704 | A    | 7.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1266.092   | 2578780.35  | 0.3315 | A    | 1.3  |
| 7 | <input type="checkbox"/> | 2500.000 | 2517.411   | 5173169.82  | 0.6591 | A    | 2.7  |
| 8 | <input type="checkbox"/> | 5000.000 | 4984.256   | 10362484.78 | 1.3050 | A    | 2.3  |
| 9 | <input type="checkbox"/> |          |            | 1744.61     | 0.0002 | P    | 10.6 |

$$y = 2.6181\text{E-}004 * x + 3.5854\text{E-}005$$

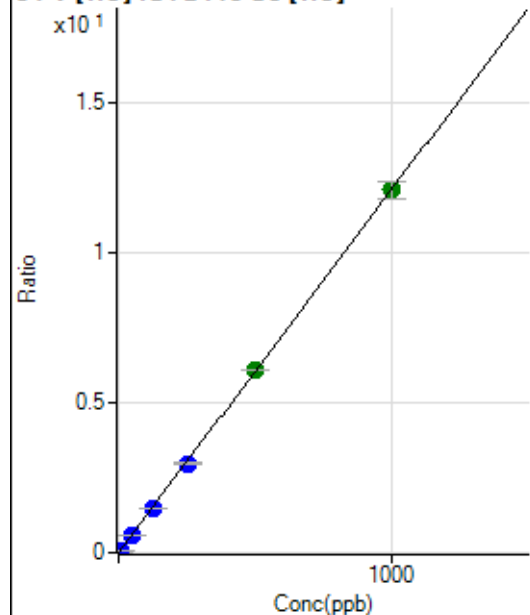
$$R = 1.0000$$

$$DL = 0.03371$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 17.78      | 0.0001  | P    | 66.8 |
| 2 | <input type="checkbox"/> | 0.500    | 0.461      | 1493.43    | 0.0056  | P    | 5.1  |
| 3 | <input type="checkbox"/> | 5.000    | 4.747      | 15300.47   | 0.0575  | P    | 1.4  |
| 4 | <input type="checkbox"/> | 50.000   | 48.990     | 158506.11  | 0.5929  | P    | 1.3  |
| 5 | <input type="checkbox"/> | 125.000  | 122.479    | 386191.00  | 1.4823  | P    | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 245.931    | 765162.40  | 2.9764  | P    | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 503.820    | 1580017.23 | 6.0974  | A    | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.474    | 3128545.68 | 12.0959 | A    | 4.4  |
| 9 | <input type="checkbox"/> |          |            | 525.57     | 0.0019  | P    | 21.5 |

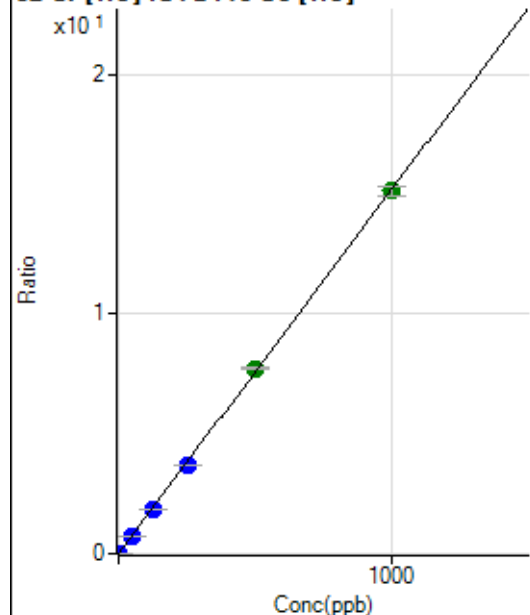
$$y = 0.0121 * x + 6.5063\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.01078$$

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      | 976.71     | 0.0036  | P    | 10.2 |
| 2 | <input type="checkbox"/> | 0.200    | 0.231      | 1865.70    | 0.0071  | P    | 4.2  |
| 3 | <input type="checkbox"/> | 2.000    | 1.979      | 8931.76    | 0.0336  | P    | 4.4  |
| 4 | <input type="checkbox"/> | 50.000   | 48.611     | 198100.28  | 0.7410  | P    | 1.8  |
| 5 | <input type="checkbox"/> | 125.000  | 122.567    | 485376.45  | 1.8630  | P    | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 244.360    | 953983.57  | 3.7108  | P    | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 509.198    | 2002654.92 | 7.7287  | A    | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.184    | 3914490.39 | 15.1320 | A    | 2.7  |
| 9 | <input type="checkbox"/> |          |            | 9198.59    | 0.0338  | P    | 3.0  |

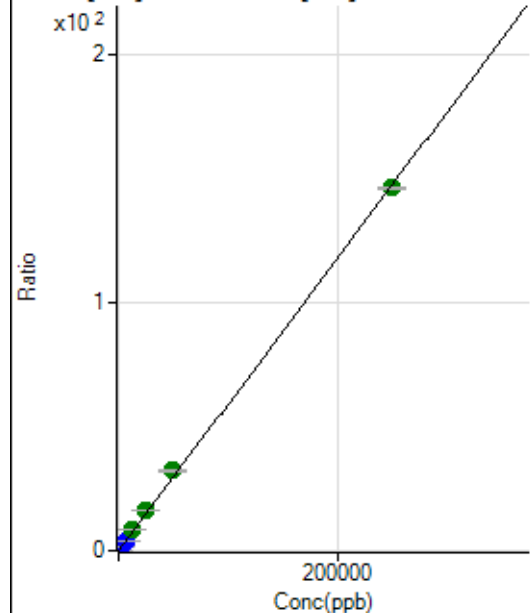
$$y = 0.0152 * x + 0.0036$$

$$R = 0.9999$$

$$DL = 0.07155$$

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      | 705.59      | 0.0026   | P    | 5.9 |
| 2 | <input type="checkbox"/> | 5.000     | 5.493      | 1533.44     | 0.0058   | P    | 1.9 |
| 3 | <input type="checkbox"/> | 50.000    | 53.229     | 9015.96     | 0.0339   | P    | 2.8 |
| 4 | <input type="checkbox"/> | 2500.000  | 2742.055   | 432002.91   | 1.6159   | P    | 1.3 |
| 5 | <input type="checkbox"/> | 6250.000  | 6907.382   | 1059483.16  | 4.0667   | P    | 0.9 |
| 6 | <input type="checkbox"/> | 12500.000 | 14136.313  | 2138889.85  | 8.3199   | A    | 0.9 |
| 7 | <input type="checkbox"/> | 25000.000 | 27999.221  | 4269263.67  | 16.4765  | A    | 1.2 |
| 8 | <input type="checkbox"/> | 50000.000 | 54802.693  | 8342055.10  | 32.2468  | A    | 2.8 |
| 9 | <input type="checkbox"/> | 250000.00 | 248638.86  | 39796137.00 | 146.2942 | A    | 0.2 |

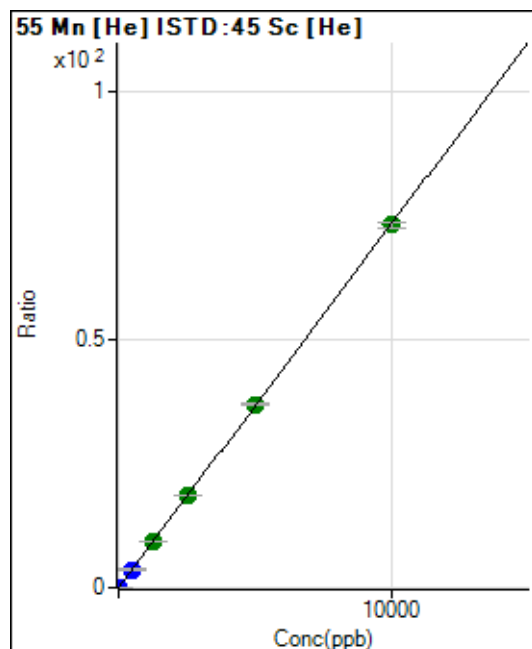
$$y = 5.8837E-004 * x + 0.0026$$

$$R = 0.9998$$

$$DL = 0.7754$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 138.89      | 0.0005  | P    | 4.7  |
| 2 | <input type="checkbox"/> | 0.100     | 0.070      | 270.01      | 0.0010  | P    | 11.1 |
| 3 | <input type="checkbox"/> | 1.000     | 0.955      | 1996.83     | 0.0075  | P    | 4.2  |
| 4 | <input type="checkbox"/> | 500.000   | 501.239    | 982505.60   | 3.6755  | P    | 1.8  |
| 5 | <input type="checkbox"/> | 1250.000  | 1273.862   | 2433419.65  | 9.3401  | A    | 0.5  |
| 6 | <input type="checkbox"/> | 2500.000  | 2543.552   | 4794386.15  | 18.6491 | A    | 0.4  |
| 7 | <input type="checkbox"/> | 5000.000  | 5029.243   | 9554410.07  | 36.8735 | A    | 1.3  |
| 8 | <input type="checkbox"/> | 10000.000 | 9971.446   | 18914005.69 | 73.1084 | A    | 1.7  |
| 9 | <input type="checkbox"/> |           |            | 25812.33    | 0.0949  | P    | 2.3  |

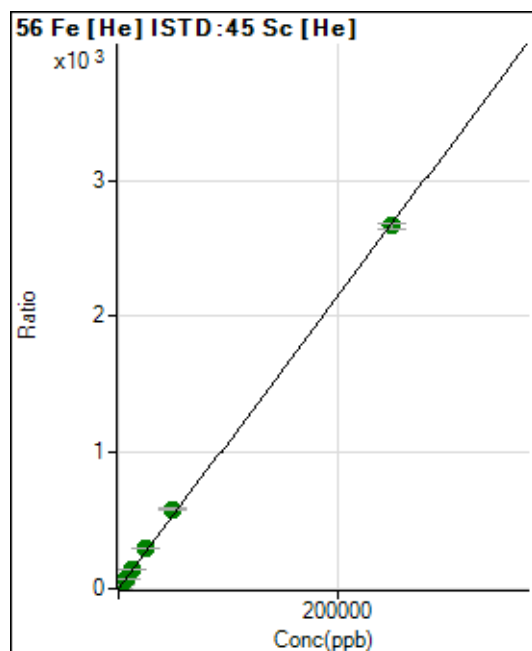
$$y = 0.0073 * x + 5.0506E-004$$

$$R = 1.0000$$

$$DL = 0.009814$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 6010.64     | 0.0219    | P    | 7.1 |
| 2 | <input type="checkbox"/> | 5.000     | 5.247      | 20635.59    | 0.0781    | P    | 2.7 |
| 3 | <input type="checkbox"/> | 50.000    | 53.016     | 156832.58   | 0.5896    | P    | 1.6 |
| 4 | <input type="checkbox"/> | 2500.000  | 2730.633   | 7822452.78  | 29.2622   | A    | 2.2 |
| 5 | <input type="checkbox"/> | 6250.000  | 6877.614   | 19193078.20 | 73.6693   | A    | 1.2 |
| 6 | <input type="checkbox"/> | 12500.000 | 13832.300  | 38085037.43 | 148.1420  | A    | 0.2 |
| 7 | <input type="checkbox"/> | 25000.000 | 27234.339  | 75575657.25 | 291.6547  | A    | 0.9 |
| 8 | <input type="checkbox"/> | 50000.000 | 54202.085  | 150151573.7 | 580.4328  | A    | 2.5 |
| 9 | <input type="checkbox"/> | 250000.00 | 248851.53  | 724842260.6 | 2,664.793 | A    | 1.5 |

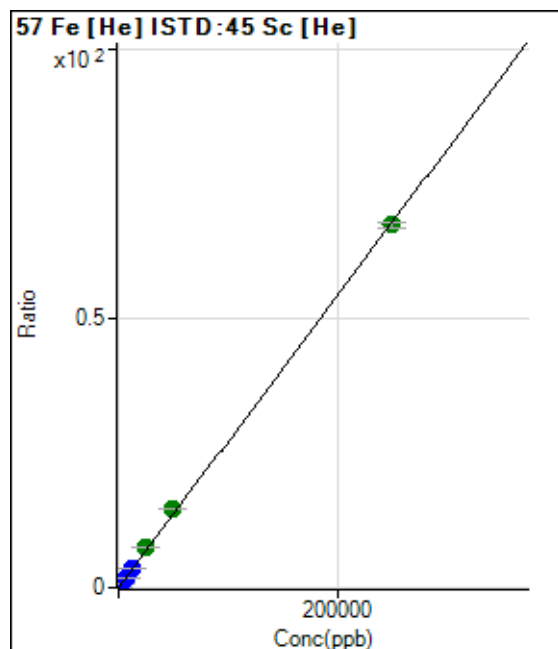
$$y = 0.0107 * x + 0.0219$$

$$R = 0.9998$$

$$DL = 0.4365$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 205.56      | 0.0007  | P        | 14.0 |
| 2 | <input type="checkbox"/> | 5.000     | 5.285      | 575.95      | 0.0022  | P        | 5.7  |
| 3 | <input type="checkbox"/> | 50.000    | 51.888     | 3935.81     | 0.0148  | P        | 1.4  |
| 4 | <input type="checkbox"/> | 2500.000  | 2653.476   | 192204.48   | 0.7190  | P        | 1.1  |
| 5 | <input type="checkbox"/> | 6250.000  | 6694.233   | 472275.16   | 1.8128  | P        | 1.2  |
| 6 | <input type="checkbox"/> | 12500.000 | 13383.690  | 931555.23   | 3.6235  | P        | 0.6  |
| 7 | <input type="checkbox"/> | 25000.000 | 27690.686  | 1942416.48  | 7.4962  | A        | 0.9  |
| 8 | <input type="checkbox"/> | 50000.000 | 54072.236  | 3786704.45  | 14.6373 | A        | 1.9  |
| 9 | <input type="checkbox"/> | 250000.00 | 248859.65  | 18323578.88 | 67.3635 | A        | 1.7  |

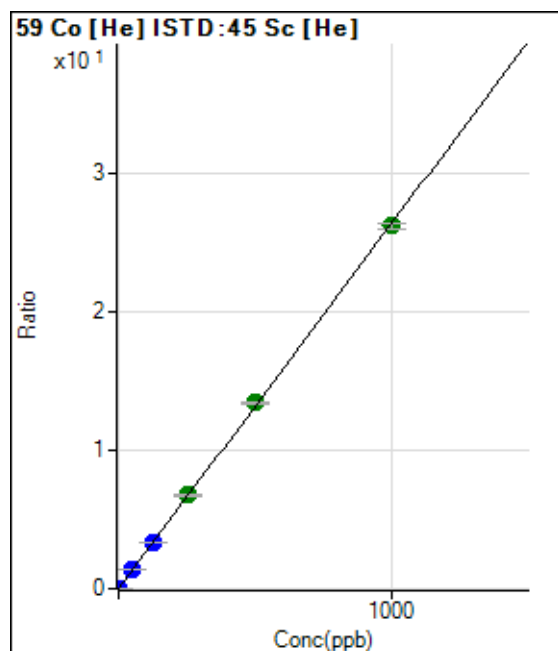
$$y = 2.7069\text{E-}004 * x + 7.4784\text{E-}004$$

$$R = 0.9998$$

$$DL = 1.164$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 96.67      | 0.0004  | P        | 28.7 |
| 2 | <input type="checkbox"/> | 0.100    | 0.089      | 713.36     | 0.0027  | P        | 4.3  |
| 3 | <input type="checkbox"/> | 1.000    | 0.964      | 6856.16    | 0.0258  | P        | 3.2  |
| 4 | <input type="checkbox"/> | 50.000   | 50.579     | 356455.31  | 1.3335  | P        | 1.5  |
| 5 | <input type="checkbox"/> | 125.000  | 126.389    | 868018.82  | 3.3317  | P        | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 256.059    | 1735138.64 | 6.7495  | A        | 1.7  |
| 7 | <input type="checkbox"/> | 500.000  | 509.236    | 3478002.07 | 13.4226 | A        | 1.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.665    | 6775761.15 | 26.1911 | A        | 1.7  |
| 9 | <input type="checkbox"/> |          |            | 15239.38   | 0.0560  | P        | 1.2  |

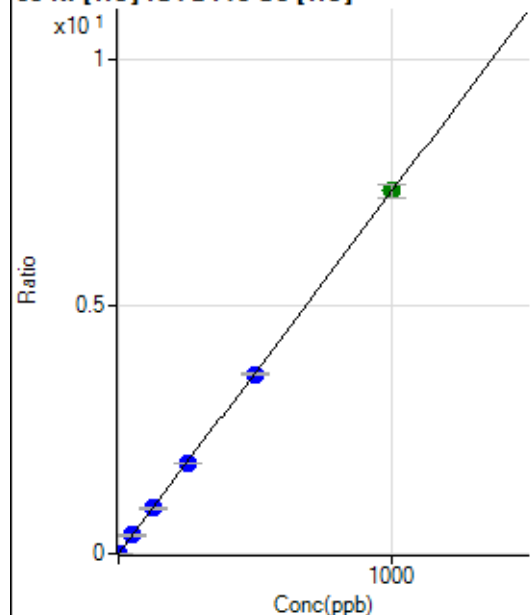
$$y = 0.0264 * x + 3.5082\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.01146$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 300.01     | 0.0011 | P    | 10.7 |
| 2 | <input type="checkbox"/> | 0.100    | 0.122      | 524.46     | 0.0020 | P    | 6.1  |
| 3 | <input type="checkbox"/> | 1.000    | 1.019      | 2271.32    | 0.0085 | P    | 2.6  |
| 4 | <input type="checkbox"/> | 50.000   | 50.520     | 99028.54   | 0.3705 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 125.000  | 125.164    | 238701.49  | 0.9162 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 250.000  | 248.930    | 468189.30  | 1.8212 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 495.952    | 939886.29  | 3.6273 | P    | 1.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 1002.245   | 1895781.80 | 7.3291 | A    | 3.5  |
| 9 | <input type="checkbox"/> |          |            | 5097.63    | 0.0187 | P    | 2.9  |

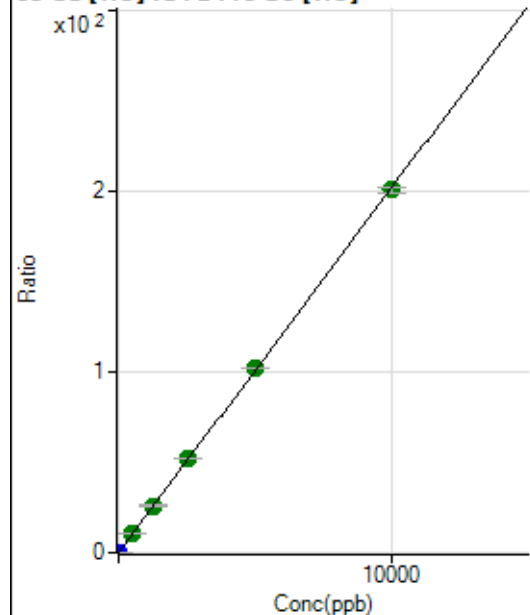
$$y = 0.0073 * x + 0.0011$$

$$R = 1.0000$$

$$DL = 0.048$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1104.50     | 0.0040   | P    | 3.4 |
| 2 | <input type="checkbox"/> | 0.200     | 0.151      | 1870.14     | 0.0071   | P    | 2.2 |
| 3 | <input type="checkbox"/> | 2.000     | 1.818      | 10839.81    | 0.0407   | P    | 1.4 |
| 4 | <input type="checkbox"/> | 500.000   | 522.759    | 2824561.35  | 10.5654  | A    | 0.9 |
| 5 | <input type="checkbox"/> | 1250.000  | 1281.947   | 6748376.70  | 25.9035  | A    | 2.0 |
| 6 | <input type="checkbox"/> | 2500.000  | 2577.036   | 13385839.25 | 52.0685  | A    | 1.1 |
| 7 | <input type="checkbox"/> | 5000.000  | 5059.015   | 26486893.21 | 102.2125 | A    | 0.8 |
| 8 | <input type="checkbox"/> | 10000.000 | 9946.102   | 51986202.56 | 200.9476 | A    | 1.7 |
| 9 | <input type="checkbox"/> |           |            | 11331.28    | 0.0417   | P    | 2.2 |

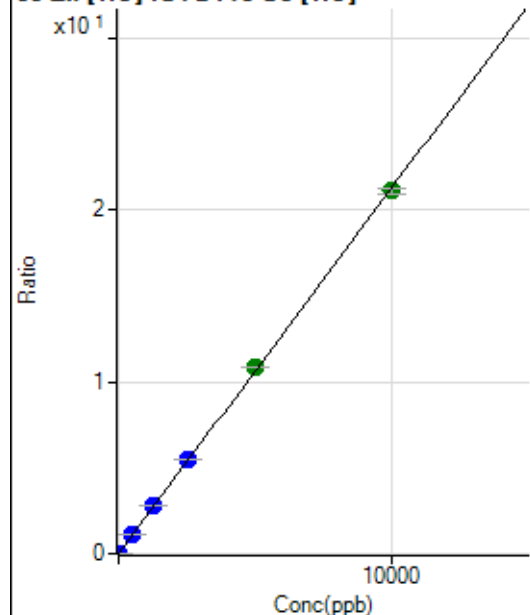
$$y = 0.0202 * x + 0.0040$$

$$R = 0.9999$$

$$DL = 0.02027$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>                     | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|-------------------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 532.87     | 0.0019  | P    | 6.4 |
| 2 | <input checked="" type="checkbox"/> | 0.200     |            |            |         |      |     |
| 3 | <input type="checkbox"/>            | 2.000     | 2.156      | 1734.74    | 0.0065  | P    | 6.6 |
| 4 | <input type="checkbox"/>            | 500.000   | 520.696    | 296510.93  | 1.1092  | P    | 1.1 |
| 5 | <input type="checkbox"/>            | 1250.000  | 1307.285   | 724795.57  | 2.7819  | P    | 0.7 |
| 6 | <input type="checkbox"/>            | 2500.000  | 2565.303   | 1402942.03 | 5.4571  | P    | 0.5 |
| 7 | <input type="checkbox"/>            | 5000.000  | 5095.755   | 2808431.44 | 10.8382 | A    | 0.4 |
| 8 | <input type="checkbox"/>            | 10000.000 | 9927.601   | 5462440.07 | 21.1132 | A    | 1.3 |
| 9 | <input type="checkbox"/>            |           |            | 9037.92    | 0.0332  | P    | 2.1 |

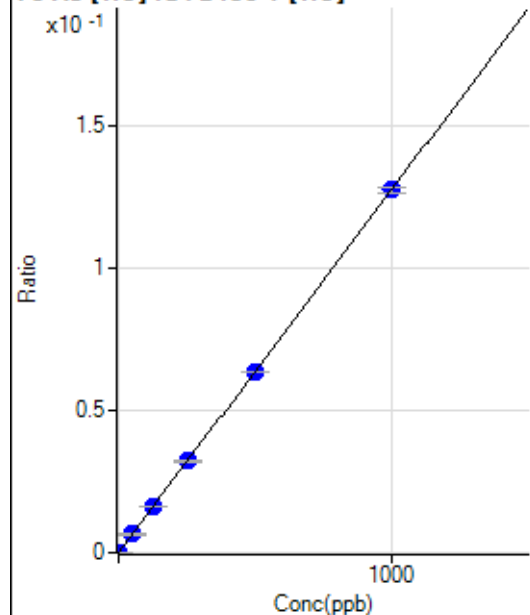
$$y = 0.0021 * x + 0.0019$$

$$R = 0.9999$$

$$DL = 0.1751$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.00      | 0.0000 | P    | 54.3 |
| 2 | <input type="checkbox"/> | 0.100    | 0.083      | 36.67     | 0.0000 | P    | 11.8 |
| 3 | <input type="checkbox"/> | 1.000    | 0.936      | 333.71    | 0.0001 | P    | 4.6  |
| 4 | <input type="checkbox"/> | 50.000   | 50.337     | 17573.70  | 0.0064 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 126.401    | 43129.91  | 0.0161 | P    | 1.9  |
| 6 | <input type="checkbox"/> | 250.000  | 252.283    | 84831.45  | 0.0321 | P    | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 498.421    | 170995.21 | 0.0635 | P    | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.027   | 336309.53 | 0.1273 | P    | 1.6  |
| 9 | <input type="checkbox"/> |          |            | 97.68     | 0.0000 | P    | 3.9  |

$$y = 1.2733E-004 * x + 2.8860E-006$$

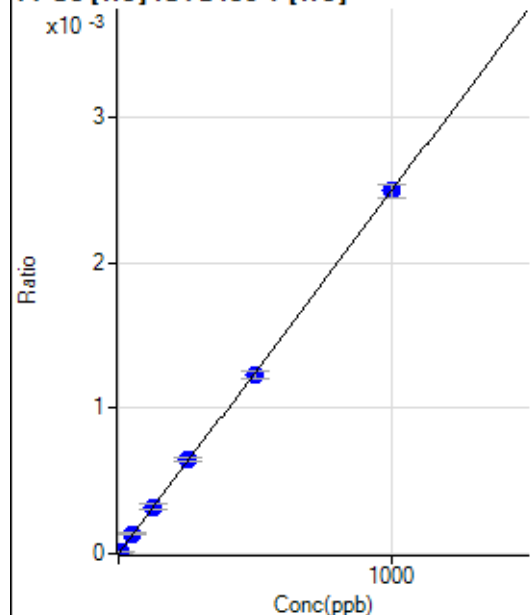
$$R = 1.0000$$

$$DL = 0.03694$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS     | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|---------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.11    | 0.0000 | P    | 173. |
| 2 | <input type="checkbox"/> | 0.500    | 1.152      | 8.89    | 0.0000 | P    | 58.3 |
| 3 | <input type="checkbox"/> | 5.000    | 5.220      | 36.67   | 0.0000 | P    | 10.2 |
| 4 | <input type="checkbox"/> | 50.000   | 54.119     | 371.12  | 0.0001 | P    | 12.6 |
| 5 | <input type="checkbox"/> | 125.000  | 129.699    | 867.82  | 0.0003 | P    | 11.5 |
| 6 | <input type="checkbox"/> | 250.000  | 259.346    | 1709.01 | 0.0006 | P    | 5.9  |
| 7 | <input type="checkbox"/> | 500.000  | 493.565    | 3317.09 | 0.0012 | P    | 5.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.087   | 6584.92 | 0.0025 | P    | 3.8  |
| 9 | <input type="checkbox"/> |          |            | 5.56    | 0.0000 | P    | 91.5 |

$$y = 2.4931\text{E-}006 * x + 3.9918\text{E-}007$$

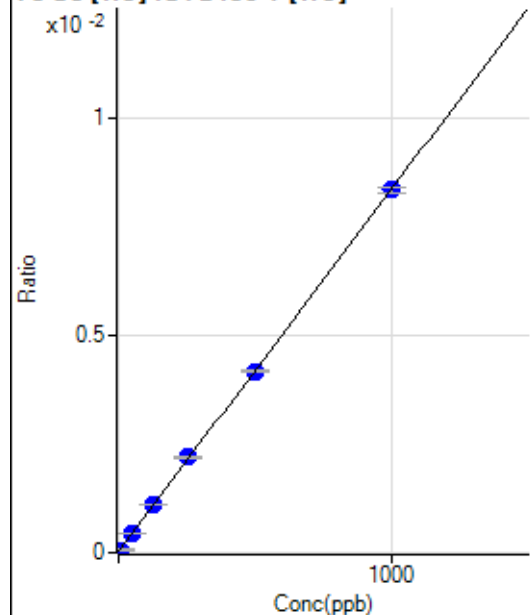
$$R = 0.9999$$

$$DL = 0.832$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 76.34    | 0.0000 | P    | 3.2  |
| 2 | <input type="checkbox"/> | 0.500    | 0.324      | 82.68    | 0.0000 | P    | 7.6  |
| 3 | <input type="checkbox"/> | 5.000    | 4.220      | 171.69   | 0.0001 | P    | 14.3 |
| 4 | <input type="checkbox"/> | 50.000   | 49.874     | 1217.18  | 0.0004 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 128.856    | 2956.95  | 0.0011 | P    | 2.8  |
| 6 | <input type="checkbox"/> | 250.000  | 260.875    | 5825.80  | 0.0022 | P    | 1.6  |
| 7 | <input type="checkbox"/> | 500.000  | 497.299    | 11264.31 | 0.0042 | P    | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.160    | 22089.86 | 0.0084 | P    | 1.7  |
| 9 | <input type="checkbox"/> |          |            | 86.34    | 0.0000 | P    | 13.5 |

$$y = 8.3522\text{E-}006 * x + 2.7549\text{E-}005$$

$$R = 0.9999$$

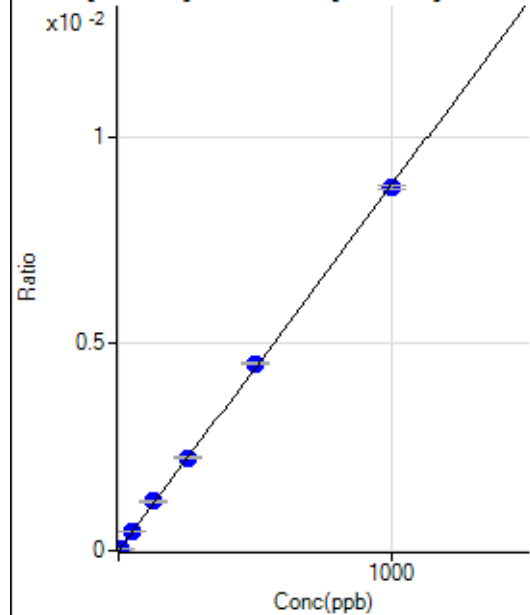
$$DL = 0.3144$$

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"/> |       |            | 22725.18 |       | P        | 2.6 |
| 2 | <input type="checkbox"/> |       |            | 23163.05 |       | P        | 2.0 |
| 3 | <input type="checkbox"/> |       |            | 22147.06 |       | P        | 4.2 |
| 4 | <input type="checkbox"/> |       |            | 22183.84 |       | P        | 1.6 |
| 5 | <input type="checkbox"/> |       |            | 22016.57 |       | P        | 3.1 |
| 6 | <input type="checkbox"/> |       |            | 21274.75 |       | P        | 1.3 |
| 7 | <input type="checkbox"/> |       |            | 21134.36 |       | P        | 6.0 |
| 8 | <input type="checkbox"/> |       |            | 21107.75 |       | P        | 5.3 |
| 9 | <input type="checkbox"/> |       |            | 22327.49 |       | P        | 1.8 |

**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      | -88.90    | 0.0000 | P        | -65. |
| 2 | <input checked="" type="checkbox"/> | 0.500    |            |           |        |          |      |
| 3 | <input type="checkbox"/>            | 5.000    | 5.494      | 1060.33   | 0.0000 | P        | 3.0  |
| 4 | <input type="checkbox"/>            | 50.000   | 50.522     | 10976.75  | 0.0004 | P        | 1.7  |
| 5 | <input type="checkbox"/>            | 125.000  | 134.161    | 27489.52  | 0.0012 | P        | 7.2  |
| 6 | <input type="checkbox"/>            | 250.000  | 254.367    | 54505.29  | 0.0022 | P        | 1.4  |
| 7 | <input type="checkbox"/>            | 500.000  | 510.693    | 109077.51 | 0.0045 | P        | 1.1  |
| 8 | <input type="checkbox"/>            | 1000.000 | 992.388    | 216516.22 | 0.0088 | P        | 1.0  |
| 9 | <input type="checkbox"/>            |          |            | 253.35    | 0.0000 | P        | 31.3 |

$$y = 8.8375E-006 * x - 3.5234E-006$$

$$R = 0.9999$$

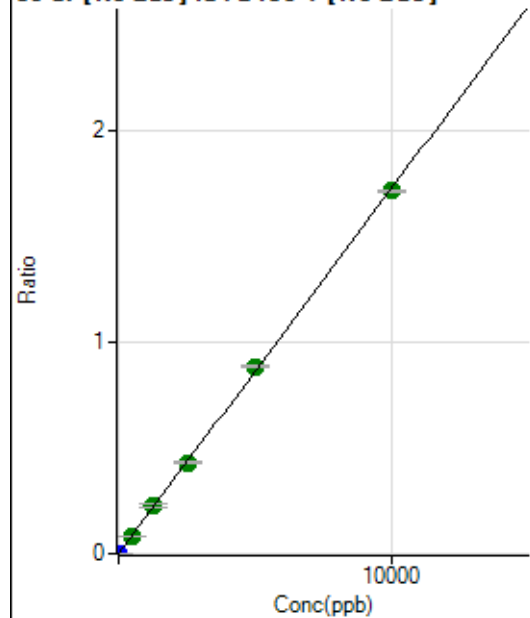
$$DL = 0.7794$$

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"/> |       |            | 1028.94 |       | P        | 5.8 |
| 2 | <input type="checkbox"/> |       |            | 901.15  |       | P        | 3.8 |
| 3 | <input type="checkbox"/> |       |            | 948.93  |       | P        | 1.1 |
| 4 | <input type="checkbox"/> |       |            | 903.37  |       | P        | 3.8 |
| 5 | <input type="checkbox"/> |       |            | 982.27  |       | P        | 3.2 |
| 6 | <input type="checkbox"/> |       |            | 876.70  |       | P        | 3.0 |
| 7 | <input type="checkbox"/> |       |            | 958.93  |       | P        | 8.5 |
| 8 | <input type="checkbox"/> |       |            | 982.27  |       | P        | 3.7 |
| 9 | <input type="checkbox"/> |       |            | 961.15  |       | P        | 7.1 |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1564.03     | 0.0001 | P        | 8.4 |
| 2 | <input type="checkbox"/> | 0.100     | 0.130      | 2002.97     | 0.0001 | P        | 4.6 |
| 3 | <input type="checkbox"/> | 1.000     | 1.073      | 5823.62     | 0.0002 | P        | 6.5 |
| 4 | <input type="checkbox"/> | 500.000   | 492.252    | 2109632.36  | 0.0851 | A        | 2.5 |
| 5 | <input type="checkbox"/> | 1250.000  | 1313.858   | 5288001.51  | 0.2271 | A        | 5.1 |
| 6 | <input type="checkbox"/> | 2500.000  | 2497.482   | 10483220.37 | 0.4317 | A        | 2.3 |
| 7 | <input type="checkbox"/> | 5000.000  | 5116.186   | 21390488.32 | 0.8843 | A        | 0.9 |
| 8 | <input type="checkbox"/> | 10000.000 | 9934.942   | 42412365.18 | 1.7172 | A        | 0.6 |
| 9 | <input type="checkbox"/> |           |            | 26982.21    | 0.0011 | P        | 4.4 |

$$y = 1.7284E-004 * x + 6.2076E-005$$

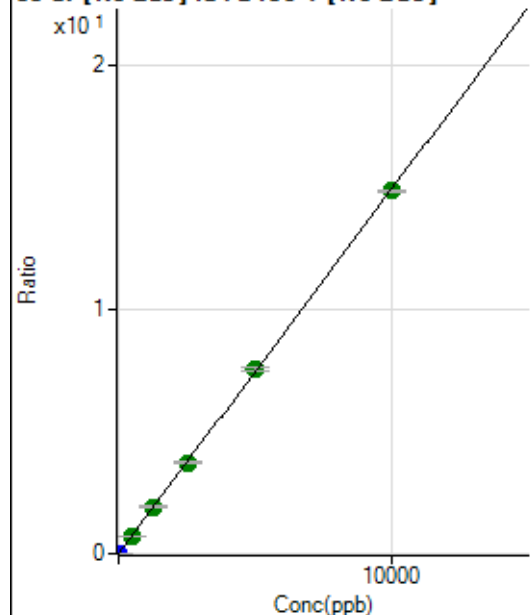
$$R = 0.9999$$

$$DL = 0.091$$

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      | 555.58      | 0.0000  | P        | 13.1 |
| 2 | <input type="checkbox"/> | 0.100     | 0.105      | 4228.54     | 0.0002  | P        | 2.5  |
| 3 | <input type="checkbox"/> | 1.000     | 1.064      | 37841.06    | 0.0016  | P        | 1.8  |
| 4 | <input type="checkbox"/> | 500.000   | 484.779    | 17896774.01 | 0.7222  | A        | 1.9  |
| 5 | <input type="checkbox"/> | 1250.000  | 1280.597   | 44394911.76 | 1.9078  | A        | 5.8  |
| 6 | <input type="checkbox"/> | 2500.000  | 2490.075   | 90079707.57 | 3.7096  | A        | 2.2  |
| 7 | <input type="checkbox"/> | 5000.000  | 5083.183   | 183148551.3 | 7.5726  | A        | 2.0  |
| 8 | <input type="checkbox"/> | 10000.000 | 9957.826   | 366395055.4 | 14.8345 | A        | 0.4  |
| 9 | <input type="checkbox"/> |           |            | 214942.93   | 0.0087  | P        | 4.2  |

$$y = 0.0015 * x + 2.2082E-005$$

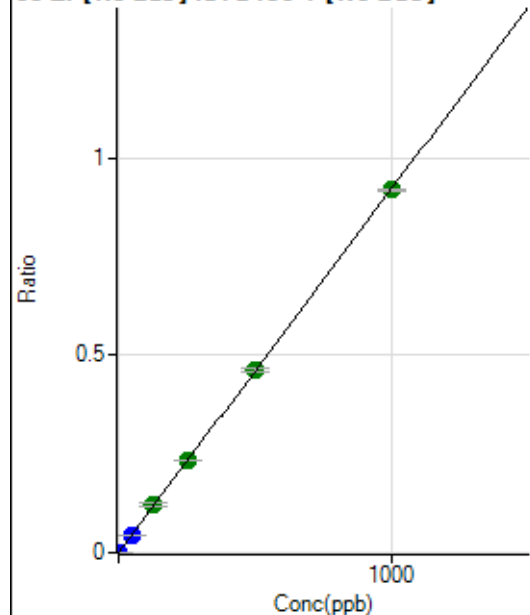
$$R = 0.9999$$

$$DL = 0.005829$$

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      | 1202.87     | 0.0000 | P        | 10.1 |
| 2 | <input type="checkbox"/> | 0.100    | 0.093      | 3169.90     | 0.0001 | P        | 4.7  |
| 3 | <input type="checkbox"/> | 1.000    | 0.953      | 21798.19    | 0.0009 | P        | 3.9  |
| 4 | <input type="checkbox"/> | 50.000   | 49.324     | 1127434.39  | 0.0455 | P        | 1.7  |
| 5 | <input type="checkbox"/> | 125.000  | 132.564    | 2841488.63  | 0.1222 | A        | 7.4  |
| 6 | <input type="checkbox"/> | 250.000  | 252.667    | 5656364.97  | 0.2329 | A        | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 502.001    | 11190849.90 | 0.4626 | A        | 2.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.421    | 22701432.28 | 0.9191 | A        | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 10334.65    | 0.0004 | P        | 4.5  |

$$y = 9.2146E-004 * x + 4.7778E-005$$

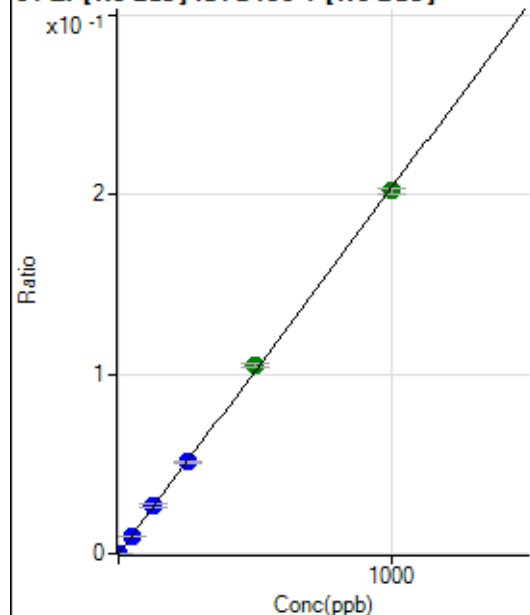
$$R = 1.0000$$

$$DL = 0.01576$$

Weight: &lt;None&gt;

Min Conc: 0

91 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      | 175.00     | 0.0000 | P        | 36.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.098      | 636.15     | 0.0000 | P        | 13.4 |
| 3 | <input type="checkbox"/> | 1.000    | 0.949      | 4720.40    | 0.0002 | P        | 2.0  |
| 4 | <input type="checkbox"/> | 50.000   | 48.560     | 245526.41  | 0.0099 | P        | 2.5  |
| 5 | <input type="checkbox"/> | 125.000  | 130.185    | 617102.04  | 0.0266 | P        | 8.6  |
| 6 | <input type="checkbox"/> | 250.000  | 249.934    | 1238012.51 | 0.0510 | P        | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 514.944    | 2540254.79 | 0.1050 | A        | 2.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.968    | 4996836.40 | 0.2023 | A        | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 2289.14    | 0.0001 | P        | 7.2  |

$$y = 2.0392\text{E-}004 * x + 6.9611\text{E-}006$$

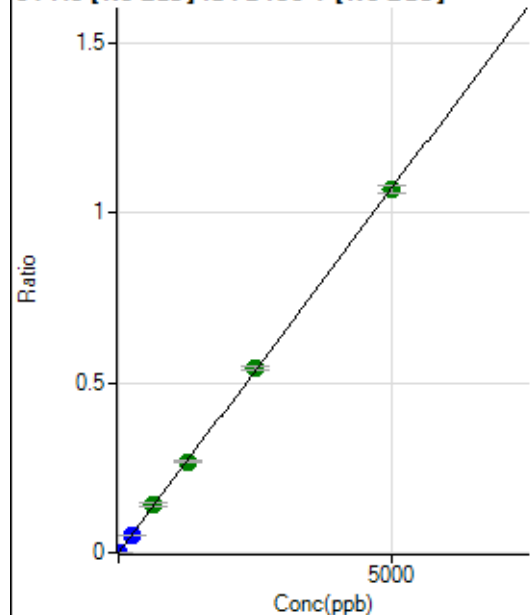
$$R = 0.9998$$

$$DL = 0.03741$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 319.46      | 0.0000 | P        | 6.4 |
| 2 | <input type="checkbox"/> | 0.500    | 0.482      | 2750.35     | 0.0001 | P        | 8.8 |
| 3 | <input type="checkbox"/> | 5.000    | 4.923      | 25131.56    | 0.0011 | P        | 2.2 |
| 4 | <input type="checkbox"/> | 250.000  | 245.265    | 1302107.79  | 0.0525 | P        | 1.3 |
| 5 | <input type="checkbox"/> | 625.000  | 661.459    | 3294841.07  | 0.1417 | A        | 7.2 |
| 6 | <input type="checkbox"/> | 1250.000 | 1247.394   | 6488413.04  | 0.2672 | A        | 1.2 |
| 7 | <input type="checkbox"/> | 2500.000 | 2527.693   | 13095172.60 | 0.5414 | A        | 2.5 |
| 8 | <input type="checkbox"/> | 5000.000 | 4982.484   | 26358521.77 | 1.0672 | A        | 2.1 |
| 9 | <input type="checkbox"/> |          |            | 8538.99     | 0.0003 | P        | 7.4 |

$$y = 2.1418\text{E-}004 * x + 1.2683\text{E-}005$$

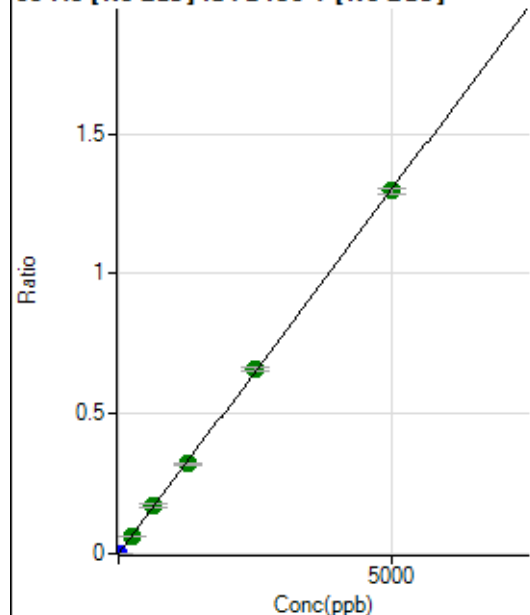
$$R = 1.0000$$

$$DL = 0.01146$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 72.22       | 0.0000 | P        | 16.3 |
| 2 | <input type="checkbox"/> | 0.500    | 0.478      | 3017.09     | 0.0001 | P        | 5.6  |
| 3 | <input type="checkbox"/> | 5.000    | 4.885      | 29966.29    | 0.0013 | P        | 5.0  |
| 4 | <input type="checkbox"/> | 250.000  | 241.531    | 1556775.11  | 0.0628 | A        | 2.4  |
| 5 | <input type="checkbox"/> | 625.000  | 658.633    | 3979544.84  | 0.1713 | A        | 9.6  |
| 6 | <input type="checkbox"/> | 1250.000 | 1238.526   | 7823003.13  | 0.3222 | A        | 2.0  |
| 7 | <input type="checkbox"/> | 2500.000 | 2534.654   | 15946340.46 | 0.6593 | A        | 1.4  |
| 8 | <input type="checkbox"/> | 5000.000 | 4981.761   | 32003709.74 | 1.2958 | A        | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 7316.05     | 0.0003 | P        | 11.6 |

$$y = 2.6011\text{E-}004 * x + 2.8622\text{E-}006$$

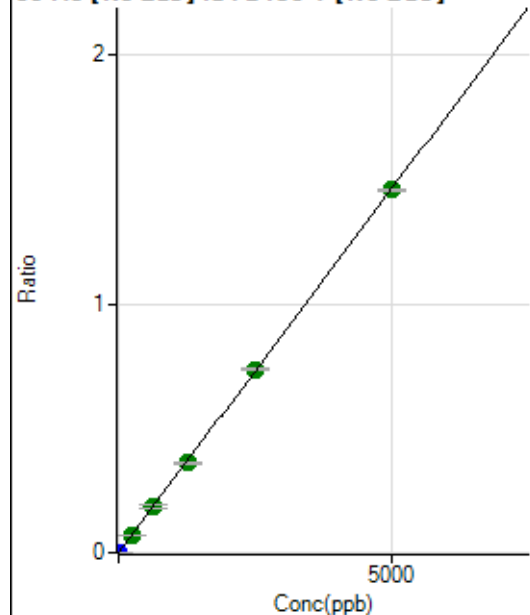
$$R = 0.9999$$

$$DL = 0.005366$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 233.34      | 0.0000 | P        | 14.4 |
| 2 | <input type="checkbox"/> | 0.500    | 0.459      | 3397.71     | 0.0001 | P        | 9.2  |
| 3 | <input type="checkbox"/> | 5.000    | 4.816      | 33357.47    | 0.0014 | P        | 5.5  |
| 4 | <input type="checkbox"/> | 250.000  | 240.905    | 1746360.26  | 0.0705 | A        | 0.9  |
| 5 | <input type="checkbox"/> | 625.000  | 645.878    | 4391606.61  | 0.1889 | A        | 7.8  |
| 6 | <input type="checkbox"/> | 1250.000 | 1238.787   | 8797771.90  | 0.3623 | A        | 2.1  |
| 7 | <input type="checkbox"/> | 2500.000 | 2524.900   | 17861805.96 | 0.7385 | A        | 1.0  |
| 8 | <input type="checkbox"/> | 5000.000 | 4988.199   | 36032846.98 | 1.4589 | A        | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 22401.95    | 0.0009 | P        | 3.0  |

$$y = 2.9246\text{E-}004 * x + 9.2505\text{E-}006$$

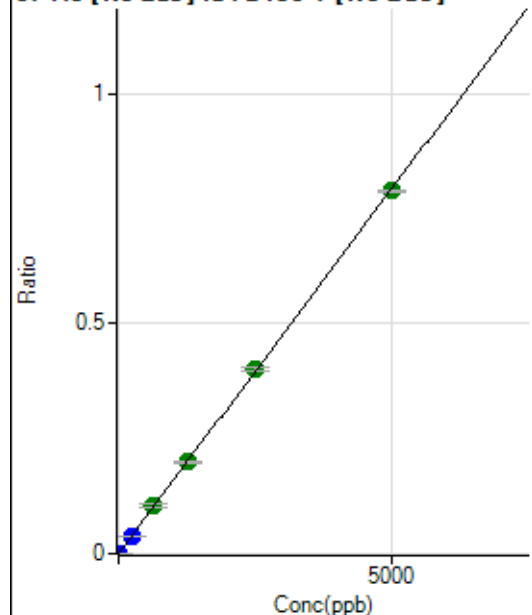
$$R = 1.0000$$

$$DL = 0.01367$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 66.67       | 0.0000 | P    | 22.9 |
| 2 | <input type="checkbox"/> | 0.500    | 0.487      | 1894.63     | 0.0001 | P    | 5.9  |
| 3 | <input type="checkbox"/> | 5.000    | 4.997      | 18704.68    | 0.0008 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 250.000  | 243.782    | 957484.28   | 0.0386 | P    | 2.0  |
| 5 | <input type="checkbox"/> | 625.000  | 656.967    | 2420250.18  | 0.1041 | A    | 8.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1260.051   | 4849207.35  | 0.1997 | A    | 2.2  |
| 7 | <input type="checkbox"/> | 2500.000 | 2535.375   | 9718502.13  | 0.4018 | A    | 2.0  |
| 8 | <input type="checkbox"/> | 5000.000 | 4976.115   | 19479077.69 | 0.7886 | A    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 4550.88     | 0.0002 | P    | 13.8 |

$$y = 1.5849\text{E-}004 * x + 2.6522\text{E-}006$$

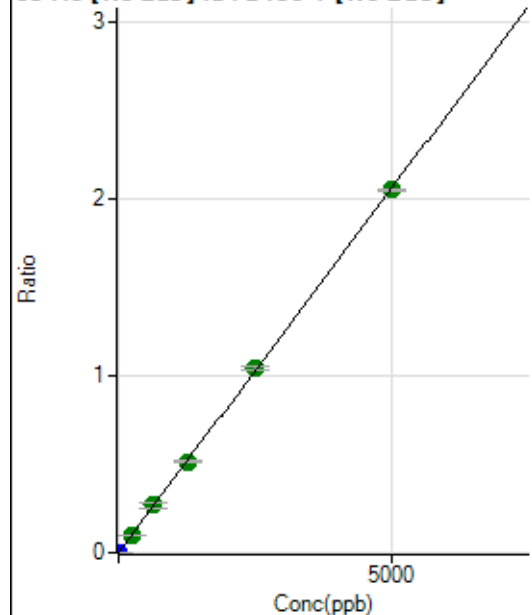
$$R = 0.9999$$

$$DL = 0.01149$$

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. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 108.34      | 0.0000 | P    | 19.9 |
| 2 | <input type="checkbox"/> | 0.500    | 0.461      | 4609.26     | 0.0002 | P    | 4.1  |
| 3 | <input type="checkbox"/> | 5.000    | 4.931      | 47975.48    | 0.0020 | P    | 2.2  |
| 4 | <input type="checkbox"/> | 250.000  | 245.398    | 2507731.67  | 0.1012 | A    | 1.4  |
| 5 | <input type="checkbox"/> | 625.000  | 649.188    | 6220938.07  | 0.2677 | A    | 8.9  |
| 6 | <input type="checkbox"/> | 1250.000 | 1253.708   | 12555108.27 | 0.5170 | A    | 1.3  |
| 7 | <input type="checkbox"/> | 2500.000 | 2529.777   | 25230958.90 | 1.0432 | A    | 1.9  |
| 8 | <input type="checkbox"/> | 5000.000 | 4981.391   | 50737076.83 | 2.0541 | A    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 11118.68    | 0.0005 | P    | 14.1 |

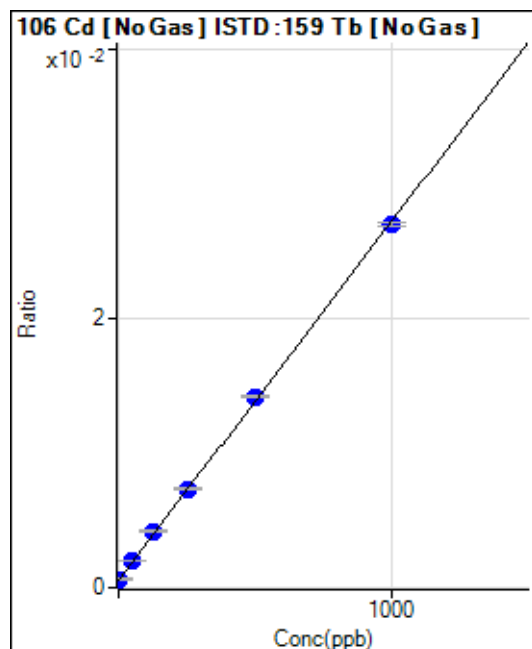
$$y = 4.1236\text{E-}004 * x + 4.2976\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.006209$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6307.17   | 0.0005 | P   | 5.5 |
| 2 | <input type="checkbox"/> | 0.100    | 1.701      | 6221.00   | 0.0006 | P   | 4.2 |
| 3 | <input type="checkbox"/> | 1.000    | 3.201      | 6676.85   | 0.0006 | P   | 6.2 |
| 4 | <input type="checkbox"/> | 50.000   | 53.594     | 21676.05  | 0.0020 | P   | 0.9 |
| 5 | <input type="checkbox"/> | 125.000  | 137.257    | 44517.50  | 0.0042 | P   | 3.3 |
| 6 | <input type="checkbox"/> | 250.000  | 255.439    | 81645.35  | 0.0074 | P   | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 512.157    | 159005.38 | 0.0142 | P   | 1.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 990.848    | 307850.88 | 0.0270 | P   | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 6487.83   | 0.0006 | P   | 4.3 |

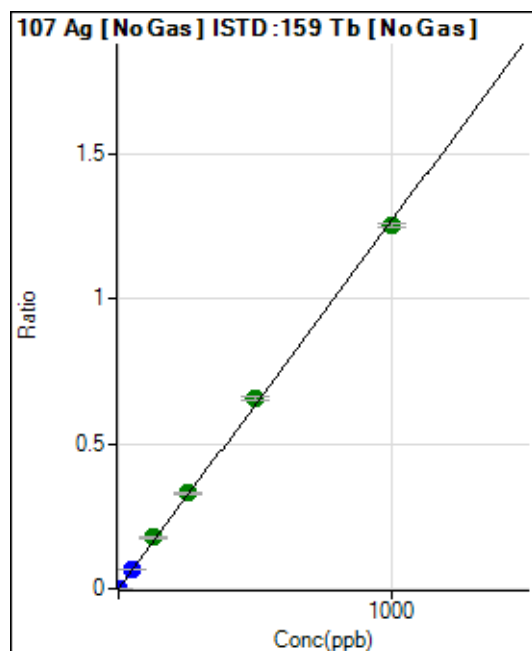
$$y = 2.6677\text{E-}005 * x + 5.4358\text{E-}004$$

$$R = 0.9998$$

$$DL = 3.336$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 305.57      | 0.0000 | P   | 26.8 |
| 2 | <input type="checkbox"/> | 0.100    | 0.089      | 1469.56     | 0.0001 | P   | 4.5  |
| 3 | <input type="checkbox"/> | 1.000    | 1.001      | 13757.27    | 0.0013 | P   | 4.8  |
| 4 | <input type="checkbox"/> | 50.000   | 52.711     | 735452.68   | 0.0670 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 125.000  | 139.347    | 1873337.32  | 0.1770 | A   | 3.4  |
| 6 | <input type="checkbox"/> | 250.000  | 259.396    | 3654525.65  | 0.3294 | A   | 1.7  |
| 7 | <input type="checkbox"/> | 500.000  | 518.434    | 7367338.53  | 0.6584 | A   | 2.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 986.505    | 14295961.95 | 1.2527 | A   | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 3025.43     | 0.0003 | P   | 10.7 |

$$y = 0.0013 * x + 2.6284\text{E-}005$$

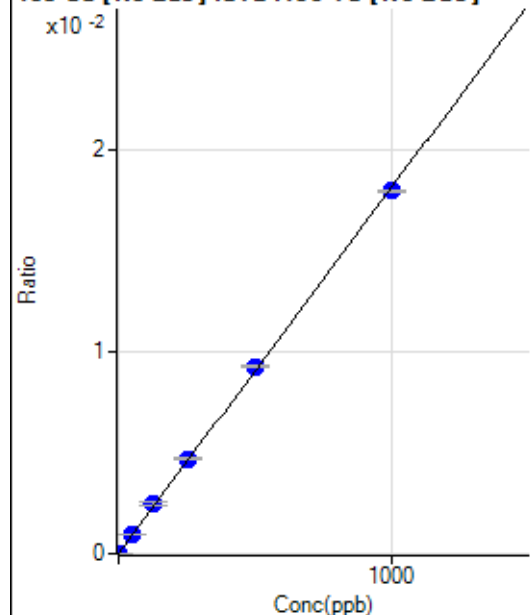
$$R = 0.9996$$

$$DL = 0.01666$$

Weight: <None>

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      | 91.67     | 0.0000 | P   | 13.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.047      | 91.67     | 0.0000 | P   | 50.8 |
| 3 | <input type="checkbox"/> | 1.000    | 0.972      | 270.84    | 0.0000 | P   | 12.1 |
| 4 | <input type="checkbox"/> | 50.000   | 51.272     | 10309.52  | 0.0009 | P   | 2.4  |
| 5 | <input type="checkbox"/> | 125.000  | 136.570    | 26318.31  | 0.0025 | P   | 5.0  |
| 6 | <input type="checkbox"/> | 250.000  | 258.356    | 52115.03  | 0.0047 | P   | 2.6  |
| 7 | <input type="checkbox"/> | 500.000  | 510.703    | 103869.85 | 0.0093 | P   | 1.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.050    | 205406.23 | 0.0180 | P   | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 241.67    | 0.0000 | P   | 12.5 |

$$y = 1.8155\text{E-}005 * x + 7.9080\text{E-}006$$

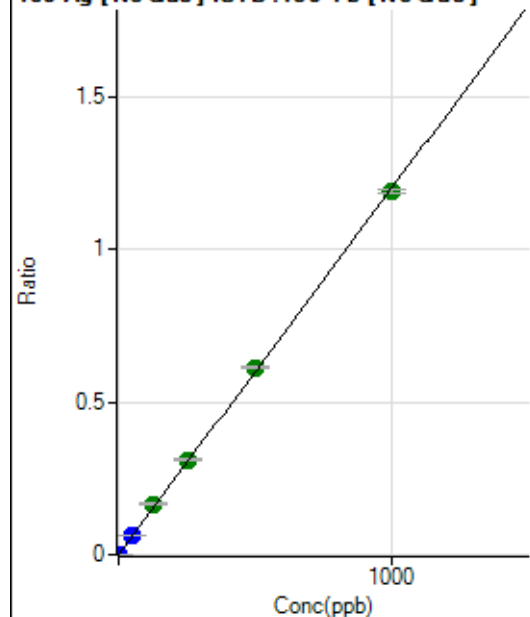
$$R = 0.9998$$

$$DL = 0.1813$$

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      | 288.90      | 0.0000 | P   | 19.1 |
| 2 | <input type="checkbox"/> | 0.100    | 0.084      | 1325.10     | 0.0001 | P   | 3.6  |
| 3 | <input type="checkbox"/> | 1.000    | 0.986      | 12803.55    | 0.0012 | P   | 3.9  |
| 4 | <input type="checkbox"/> | 50.000   | 50.985     | 671474.69   | 0.0611 | P   | 3.6  |
| 5 | <input type="checkbox"/> | 125.000  | 136.957    | 1737583.49  | 0.1642 | A   | 4.3  |
| 6 | <input type="checkbox"/> | 250.000  | 257.748    | 3427972.88  | 0.3090 | A   | 1.8  |
| 7 | <input type="checkbox"/> | 500.000  | 511.492    | 6863931.97  | 0.6132 | A   | 1.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 990.773    | 13553949.52 | 1.1878 | A   | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 2755.91     | 0.0002 | P   | 9.0  |

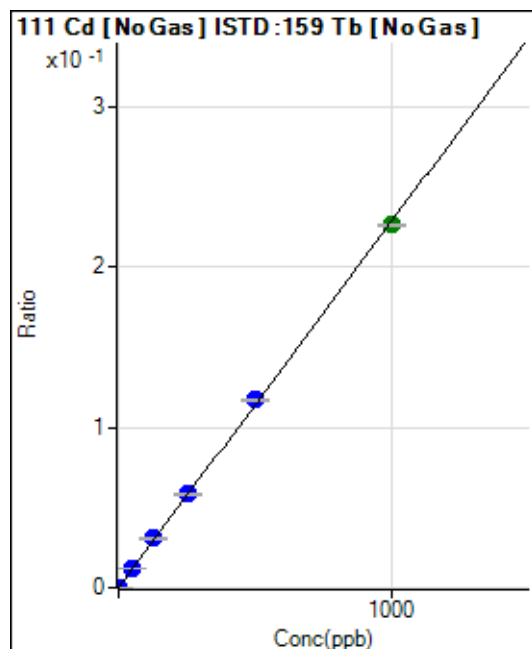
$$y = 0.0012 * x + 2.4851\text{E-}005$$

$$R = 0.9998$$

$$DL = 0.01185$$

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      | 638.77     | 0.0001 | P   | 3.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.111      | 849.61     | 0.0001 | P   | 1.4 |
| 3 | <input type="checkbox"/> | 1.000    | 1.029      | 3072.83    | 0.0003 | P   | 0.4 |
| 4 | <input type="checkbox"/> | 50.000   | 51.933     | 130687.63  | 0.0119 | P   | 1.7 |
| 5 | <input type="checkbox"/> | 125.000  | 134.005    | 323812.39  | 0.0306 | P   | 5.8 |
| 6 | <input type="checkbox"/> | 250.000  | 255.544    | 647197.56  | 0.0583 | P   | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 513.136    | 1310401.58 | 0.1171 | P   | 0.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 990.824    | 2579210.36 | 0.2260 | A   | 0.9 |
| 9 | <input type="checkbox"/> |          |            | 1126.86    | 0.0001 | P   | 4.7 |

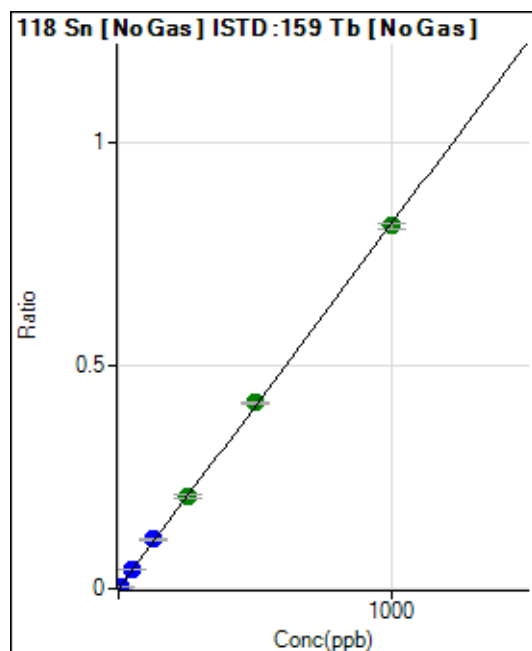
$$y = 2.2806\text{E-}004 * x + 5.5039\text{E-}005$$

$$R = 0.9998$$

$$DL = 0.0285$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1669.61    | 0.0001 | P   | 8.0 |
| 2 | <input type="checkbox"/> | 0.500    | 0.509      | 5923.66    | 0.0006 | P   | 2.4 |
| 3 | <input type="checkbox"/> | 5.000    | 4.847      | 43631.40   | 0.0041 | P   | 2.5 |
| 4 | <input type="checkbox"/> | 50.000   | 50.803     | 458528.65  | 0.0418 | P   | 2.7 |
| 5 | <input type="checkbox"/> | 125.000  | 134.222    | 1164812.37 | 0.1101 | P   | 4.2 |
| 6 | <input type="checkbox"/> | 250.000  | 252.886    | 2298806.04 | 0.2073 | A   | 3.4 |
| 7 | <input type="checkbox"/> | 500.000  | 508.381    | 4661698.89 | 0.4165 | A   | 1.9 |
| 8 | <input type="checkbox"/> | 1000.000 | 993.896    | 9291086.41 | 0.8142 | A   | 1.5 |
| 9 | <input type="checkbox"/> |          |            | 3589.47    | 0.0003 | P   | 7.8 |

$$y = 8.1905\text{E-}004 * x + 1.4377\text{E-}004$$

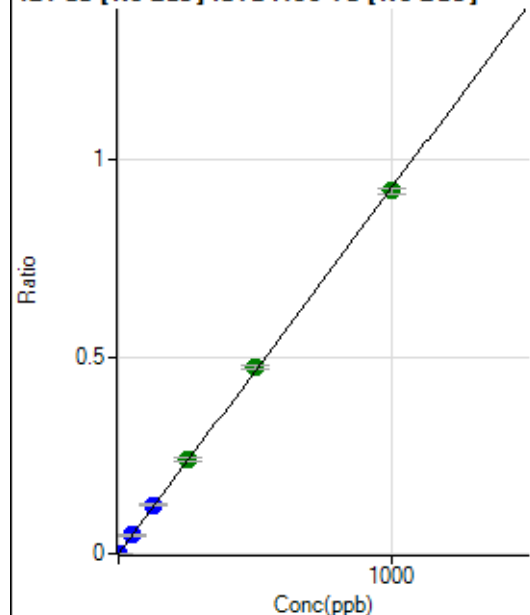
$$R = 0.9999$$

$$DL = 0.04189$$

Weight: <None>

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      | 80.56       | 0.0000 | P        | 24.0 |
| 2 | <input type="checkbox"/> | 0.200    | 0.204      | 2069.66     | 0.0002 | P        | 2.3  |
| 3 | <input type="checkbox"/> | 2.000    | 1.905      | 18813.38    | 0.0018 | P        | 3.7  |
| 4 | <input type="checkbox"/> | 50.000   | 50.191     | 511372.96   | 0.0466 | P        | 2.2  |
| 5 | <input type="checkbox"/> | 125.000  | 131.875    | 1294575.08  | 0.1223 | P        | 3.9  |
| 6 | <input type="checkbox"/> | 250.000  | 257.692    | 2651068.66  | 0.2390 | A        | 3.8  |
| 7 | <input type="checkbox"/> | 500.000  | 509.348    | 5287395.61  | 0.4725 | A        | 1.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.534    | 10505790.51 | 0.9206 | A        | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 6168.25     | 0.0006 | P        | 8.0  |

$$y = 9.2756E-004 * x + 6.9394E-006$$

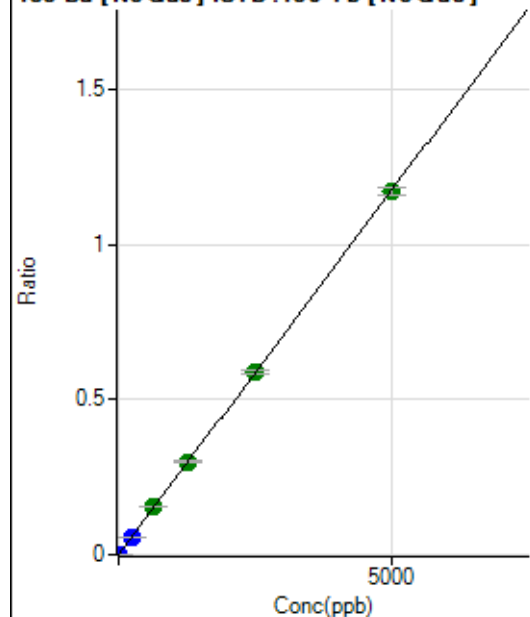
$$R = 0.9999$$

$$DL = 0.005379$$

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      | 63.89       | 0.0000 | P        | 53.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.969      | 2464.18     | 0.0002 | P        | 1.7  |
| 3 | <input type="checkbox"/> | 10.000   | 9.535      | 23796.50    | 0.0022 | P        | 2.6  |
| 4 | <input type="checkbox"/> | 250.000  | 246.674    | 636006.65   | 0.0579 | P        | 2.5  |
| 5 | <input type="checkbox"/> | 625.000  | 659.664    | 1639331.75  | 0.1549 | A        | 3.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1279.730   | 3332225.51  | 0.3004 | A        | 3.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2515.090   | 6607395.07  | 0.5904 | A        | 1.6  |
| 8 | <input type="checkbox"/> | 5000.000 | 4980.857   | 13342449.26 | 1.1692 | A        | 2.0  |
| 9 | <input type="checkbox"/> |          |            | 4178.57     | 0.0004 | P        | 2.1  |

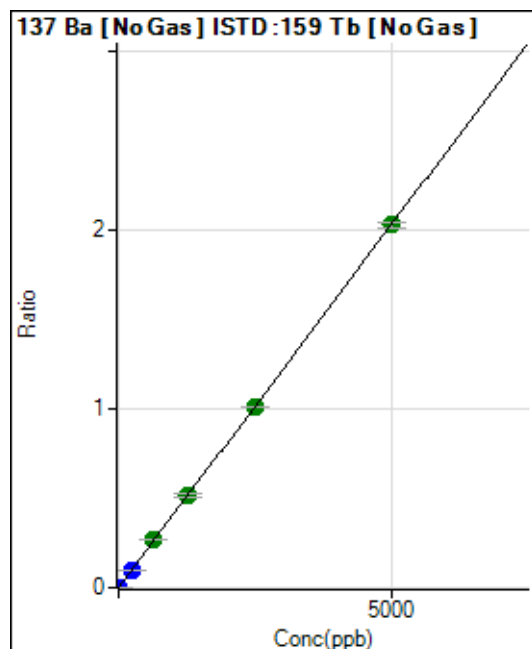
$$y = 2.3474E-004 * x + 5.4943E-006$$

$$R = 1.0000$$

$$DL = 0.03771$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 47.22       | 0.0000 | P    | 52.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.940      | 4067.42     | 0.0004 | P    | 7.7  |
| 3 | <input type="checkbox"/> | 10.000   | 9.814      | 42278.38    | 0.0040 | P    | 1.8  |
| 4 | <input type="checkbox"/> | 250.000  | 247.296    | 1102093.44  | 0.1003 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 625.000  | 661.988    | 2843678.54  | 0.2686 | A    | 2.6  |
| 6 | <input type="checkbox"/> | 1250.000 | 1269.780   | 5716168.92  | 0.5152 | A    | 2.8  |
| 7 | <input type="checkbox"/> | 2500.000 | 2491.310   | 11313819.09 | 1.0108 | A    | 0.4  |
| 8 | <input type="checkbox"/> | 5000.000 | 4994.912   | 23127516.14 | 2.0267 | A    | 1.9  |
| 9 | <input type="checkbox"/> |          |            | 7065.93     | 0.0006 | P    | 8.1  |

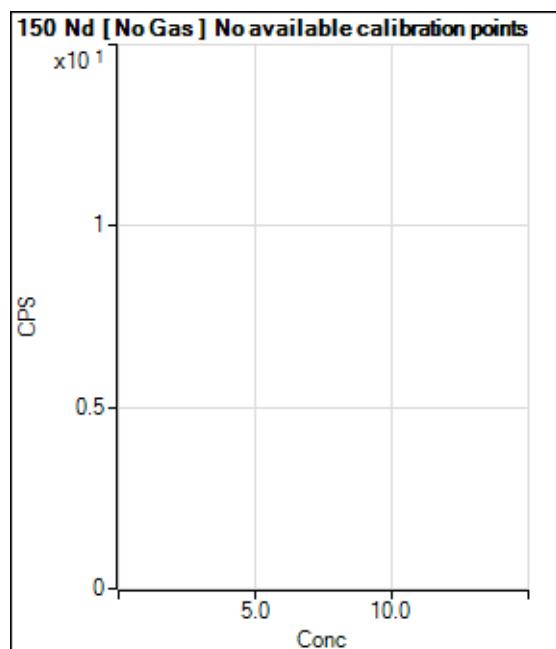
$$y = 4.0574E-004 * x + 4.0902E-006$$

$$R = 1.0000$$

$$DL = 0.01595$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS    | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|--------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 15.56  |       | P    | 65.5 |
| 2 | <input type="checkbox"/> |       |            | 8.89   |       | P    | 114. |
| 3 | <input type="checkbox"/> |       |            | 11.11  |       | P    | 91.7 |
| 4 | <input type="checkbox"/> |       |            | 37.78  |       | P    | 50.9 |
| 5 | <input type="checkbox"/> |       |            | 60.00  |       | P    | 11.1 |
| 6 | <input type="checkbox"/> |       |            | 140.00 |       | P    | 14.3 |
| 7 | <input type="checkbox"/> |       |            | 260.01 |       | P    | 5.1  |
| 8 | <input type="checkbox"/> |       |            | 615.58 |       | P    | 11.4 |
| 9 | <input type="checkbox"/> |       |            | 102.22 |       | P    | 3.8  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 173. |
| 5 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 91.6 |
| 6 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 20.0 |
| 7 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 31.2 |
| 8 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 21.6 |
| 9 | <input type="checkbox"/> |       |            | 37.78 |       | P        | 13.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 22.22   |       | P        | 78.1 |
| 2 | <input type="checkbox"/> |       |            | 16.67   |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 8.33    |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 27.78   |       | P        | 96.4 |
| 5 | <input type="checkbox"/> |       |            | 88.89   |       | P        | 39.0 |
| 6 | <input type="checkbox"/> |       |            | 183.34  |       | P        | 12.0 |
| 7 | <input type="checkbox"/> |       |            | 247.23  |       | P        | 15.9 |
| 8 | <input type="checkbox"/> |       |            | 458.36  |       | P        | 30.0 |
| 9 | <input type="checkbox"/> |       |            | 1747.39 |       | P        | 6.5  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.45   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 34.7 |
| 4 | <input type="checkbox"/> |       |            | 15.56  |       | P        | 61.9 |
| 5 | <input type="checkbox"/> |       |            | 23.33  |       | P        | 37.8 |
| 6 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 9.6  |
| 7 | <input type="checkbox"/> |       |            | 101.11 |       | P        | 19.0 |
| 8 | <input type="checkbox"/> |       |            | 258.89 |       | P        | 11.7 |
| 9 | <input type="checkbox"/> |       |            | 834.48 |       | P        | 3.4  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 88.89   |       | P        | 23.6 |
| 2 | <input type="checkbox"/> |       |            | 105.56  |       | P        | 24.1 |
| 3 | <input type="checkbox"/> |       |            | 77.78   |       | P        | 55.0 |
| 4 | <input type="checkbox"/> |       |            | 80.56   |       | P        | 23.9 |
| 5 | <input type="checkbox"/> |       |            | 100.00  |       | P        | 44.1 |
| 6 | <input type="checkbox"/> |       |            | 172.23  |       | P        | 2.8  |
| 7 | <input type="checkbox"/> |       |            | 244.45  |       | P        | 21.7 |
| 8 | <input type="checkbox"/> |       |            | 430.58  |       | P        | 14.8 |
| 9 | <input type="checkbox"/> |       |            | 1558.47 |       | P        | 12.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 83.34  |       | P        | 6.9  |
| 2 | <input type="checkbox"/> |       |            | 71.11  |       | P        | 24.1 |
| 3 | <input type="checkbox"/> |       |            | 67.78  |       | P        | 33.5 |
| 4 | <input type="checkbox"/> |       |            | 91.11  |       | P        | 20.1 |
| 5 | <input type="checkbox"/> |       |            | 83.34  |       | P        | 18.3 |
| 6 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 22.8 |
| 7 | <input type="checkbox"/> |       |            | 171.12 |       | P        | 13.3 |
| 8 | <input type="checkbox"/> |       |            | 282.23 |       | P        | 6.9  |
| 9 | <input type="checkbox"/> |       |            | 975.60 |       | P        | 6.9  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 83.33  |       | P        | 17.3 |
| 2 | <input type="checkbox"/> |       |            | 102.78 |       | P        | 33.8 |
| 3 | <input type="checkbox"/> |       |            | 63.89  |       | P        | 27.2 |
| 4 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 21.6 |
| 5 | <input type="checkbox"/> |       |            | 80.56  |       | P        | 31.6 |
| 6 | <input type="checkbox"/> |       |            | 125.00 |       | P        | 17.6 |
| 7 | <input type="checkbox"/> |       |            | 122.23 |       | P        | 35.0 |
| 8 | <input type="checkbox"/> |       |            | 113.89 |       | P        | 22.4 |
| 9 | <input type="checkbox"/> |       |            | 291.68 |       | P        | 5.7  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 45.56  |       | P        | 33.8 |
| 2 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 26.4 |
| 3 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 25.0 |
| 4 | <input type="checkbox"/> |       |            | 35.56  |       | P        | 53.3 |
| 5 | <input type="checkbox"/> |       |            | 34.44  |       | P        | 40.3 |
| 6 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 52.9 |
| 7 | <input type="checkbox"/> |       |            | 62.22  |       | P        | 30.5 |
| 8 | <input type="checkbox"/> |       |            | 71.11  |       | P        | 11.8 |
| 9 | <input type="checkbox"/> |       |            | 168.89 |       | P        | 5.0  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 17.3 |
| 2 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 17.3 |
| 3 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 0.0  |
| 4 | <input type="checkbox"/> |       |            | 30.56  |       | P        | 41.7 |
| 5 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 17.3 |
| 6 | <input type="checkbox"/> |       |            | 44.44  |       | P        | 71.0 |
| 7 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 24.7 |
| 8 | <input type="checkbox"/> |       |            | 72.22  |       | P        | 35.2 |
| 9 | <input type="checkbox"/> |       |            | 175.01 |       | P        | 17.2 |

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

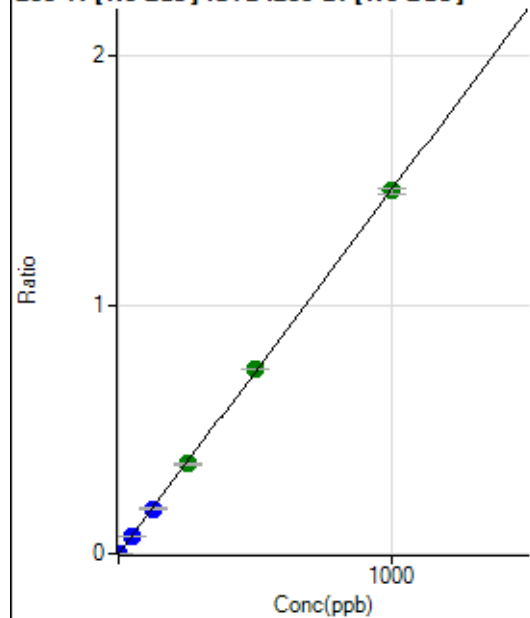
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 25.0 |
| 2 | <input type="checkbox"/> |       |            | 12.96 |       | P        | 89.2 |
| 3 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 33.3 |
| 4 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 86.6 |
| 5 | <input type="checkbox"/> |       |            | 20.37 |       | P        | 56.8 |
| 6 | <input type="checkbox"/> |       |            | 20.37 |       | P        | 68.6 |
| 7 | <input type="checkbox"/> |       |            | 20.37 |       | P        | 15.7 |
| 8 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 25.0 |
| 9 | <input type="checkbox"/> |       |            | 72.22 |       | P        | 7.7  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|----------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1341.78  |       | P        | 19.6 |
| 2 | <input type="checkbox"/> |       |            | 1247.32  |       | P        | 2.3  |
| 3 | <input type="checkbox"/> |       |            | 1269.54  |       | P        | 1.7  |
| 4 | <input type="checkbox"/> |       |            | 3030.99  |       | P        | 6.0  |
| 5 | <input type="checkbox"/> |       |            | 5637.50  |       | P        | 4.7  |
| 6 | <input type="checkbox"/> |       |            | 10273.71 |       | P        | 2.6  |
| 7 | <input type="checkbox"/> |       |            | 19172.81 |       | P        | 1.1  |
| 8 | <input type="checkbox"/> |       |            | 38298.01 |       | P        | 1.3  |
| 9 | <input type="checkbox"/> |       |            | 1611.26  |       | P        | 11.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 5067.72  |       | P        | 0.9 |
| 2 | <input type="checkbox"/> |       |            | 4749.09  |       | P        | 4.3 |
| 3 | <input type="checkbox"/> |       |            | 4788.00  |       | P        | 9.4 |
| 4 | <input type="checkbox"/> |       |            | 5871.79  |       | P        | 6.6 |
| 5 | <input type="checkbox"/> |       |            | 7124.28  |       | P        | 6.1 |
| 6 | <input type="checkbox"/> |       |            | 9614.76  |       | P        | 3.7 |
| 7 | <input type="checkbox"/> |       |            | 14463.78 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> |       |            | 23908.92 |       | P        | 1.8 |
| 9 | <input type="checkbox"/> |       |            | 5221.49  |       | P        | 5.9 |

**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      | 463.91     | 0.0001 | P        | 5.7  |
| 2 | <input type="checkbox"/> | 0.100    | 0.096      | 1200.09    | 0.0002 | P        | 7.4  |
| 3 | <input type="checkbox"/> | 1.000    | 0.901      | 7788.71    | 0.0014 | P        | 3.9  |
| 4 | <input type="checkbox"/> | 50.000   | 46.065     | 387474.41  | 0.0674 | P        | 1.6  |
| 5 | <input type="checkbox"/> | 125.000  | 123.359    | 1009251.48 | 0.1803 | P        | 3.7  |
| 6 | <input type="checkbox"/> | 250.000  | 247.905    | 2123768.54 | 0.3623 | A        | 2.6  |
| 7 | <input type="checkbox"/> | 500.000  | 506.395    | 4302659.56 | 0.7401 | A        | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.728    | 8492181.70 | 1.4581 | A        | 1.8  |
| 9 | <input type="checkbox"/> |          |            | 1491.81    | 0.0003 | P        | 13.1 |

$$y = 0.0015 * x + 7.7786E-005$$

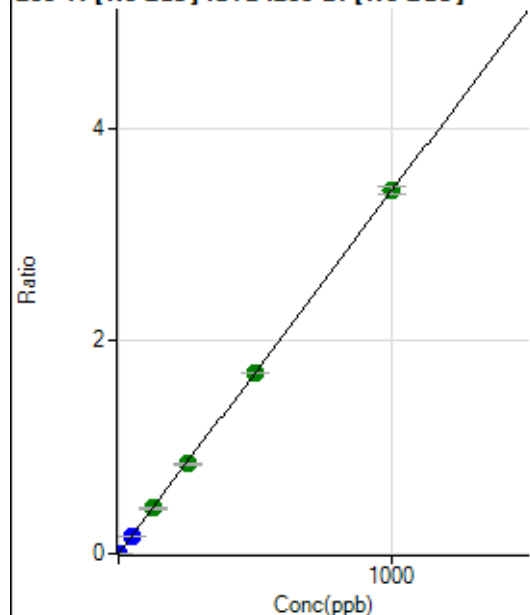
$$R = 1.0000$$

$$DL = 0.009051$$

Weight: &lt;None&gt;

Min Conc: 0

205 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      | 983.39      | 0.0002 | P        | 13.0 |
| 2 | <input type="checkbox"/> | 0.100    | 0.090      | 2600.34     | 0.0005 | P        | 5.4  |
| 3 | <input type="checkbox"/> | 1.000    | 0.914      | 18316.10    | 0.0033 | P        | 6.1  |
| 4 | <input type="checkbox"/> | 50.000   | 46.903     | 919395.22   | 0.1600 | P        | 3.0  |
| 5 | <input type="checkbox"/> | 125.000  | 125.068    | 2385318.61  | 0.4262 | A        | 4.2  |
| 6 | <input type="checkbox"/> | 250.000  | 247.898    | 4950788.52  | 0.8447 | A        | 2.5  |
| 7 | <input type="checkbox"/> | 500.000  | 499.690    | 9897042.67  | 1.7025 | A        | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.827   | 19858849.58 | 3.4097 | A        | 2.3  |
| 9 | <input type="checkbox"/> |          |            | 3909.05     | 0.0007 | P        | 17.3 |

$$y = 0.0034 * x + 1.6479E-004$$

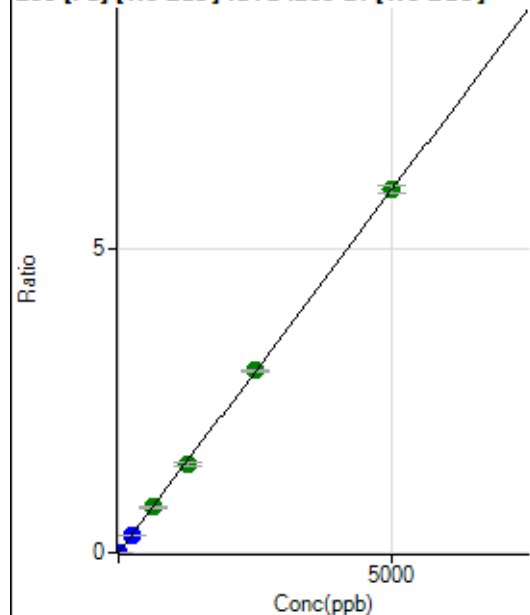
$$R = 1.0000$$

$$DL = 0.01892$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1272.31     | 0.0002 | P        | 6.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.097      | 1811.27     | 0.0003 | P        | 7.1 |
| 3 | <input type="checkbox"/> | 1.000    | 0.912      | 7270.69     | 0.0013 | P        | 2.1 |
| 4 | <input type="checkbox"/> | 250.000  | 230.617    | 1579548.99  | 0.2748 | P        | 4.0 |
| 5 | <input type="checkbox"/> | 625.000  | 623.702    | 4157441.50  | 0.7429 | A        | 3.9 |
| 6 | <input type="checkbox"/> | 1250.000 | 1214.174   | 8475007.25  | 1.4461 | A        | 3.5 |
| 7 | <input type="checkbox"/> | 2500.000 | 2510.179   | 17375747.38 | 2.9894 | A        | 1.5 |
| 8 | <input type="checkbox"/> | 5000.000 | 5004.999   | 34715235.50 | 5.9603 | A        | 2.1 |
| 9 | <input type="checkbox"/> |          |            | 16418.09    | 0.0030 | P        | 4.1 |

$$y = 0.0012 * x + 2.1331E-004$$

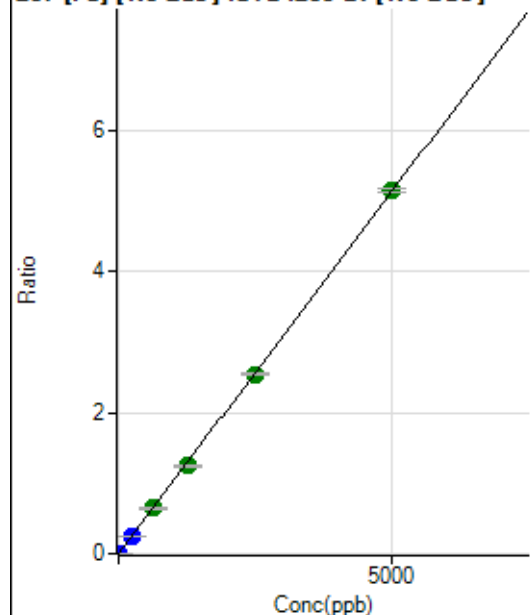
$$R = 1.0000$$

$$DL = 0.03682$$

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      | 1088.96     | 0.0002 | P        | 3.4  |
| 2 | <input type="checkbox"/> | 0.100    | 0.101      | 1574.20     | 0.0003 | P        | 11.9 |
| 3 | <input type="checkbox"/> | 1.000    | 0.895      | 6146.03     | 0.0011 | P        | 5.8  |
| 4 | <input type="checkbox"/> | 250.000  | 232.483    | 1371572.27  | 0.2386 | P        | 2.8  |
| 5 | <input type="checkbox"/> | 625.000  | 630.079    | 3616206.13  | 0.6463 | A        | 4.5  |
| 6 | <input type="checkbox"/> | 1250.000 | 1218.969   | 7327430.66  | 1.2502 | A        | 2.5  |
| 7 | <input type="checkbox"/> | 2500.000 | 2483.530   | 14806237.25 | 2.5470 | A        | 1.8  |
| 8 | <input type="checkbox"/> | 5000.000 | 5016.234   | 29962099.74 | 5.1442 | A        | 1.1  |
| 9 | <input type="checkbox"/> |          |            | 14456.42    | 0.0027 | P        | 4.3  |

$$y = 0.0010 * x + 1.8258E-004$$

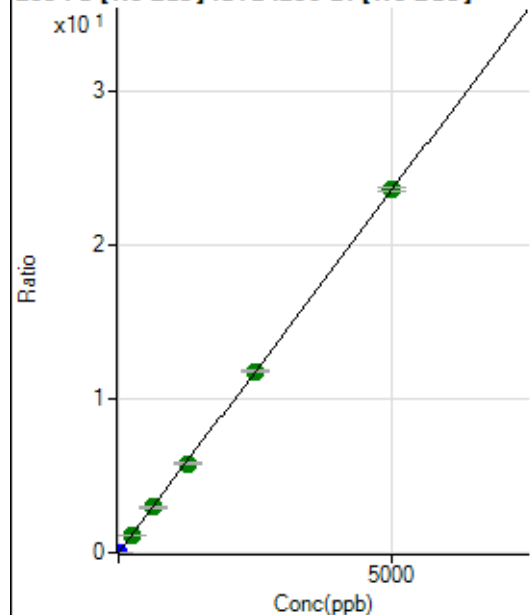
$$R = 1.0000$$

$$DL = 0.01825$$

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      | 4948.62     | 0.0008  | P        | 2.7 |
| 2 | <input type="checkbox"/> | 0.100    | 0.101      | 7191.67     | 0.0013  | P        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000    | 0.916      | 28727.85    | 0.0051  | P        | 1.9 |
| 4 | <input type="checkbox"/> | 250.000  | 237.014    | 6411134.18  | 1.1154  | A        | 3.3 |
| 5 | <input type="checkbox"/> | 625.000  | 629.137    | 16559979.88 | 2.9593  | A        | 3.9 |
| 6 | <input type="checkbox"/> | 1250.000 | 1221.990   | 33686929.17 | 5.7471  | A        | 2.2 |
| 7 | <input type="checkbox"/> | 2500.000 | 2498.958   | 68316851.18 | 11.7519 | A        | 0.9 |
| 8 | <input type="checkbox"/> | 5000.000 | 5007.656   | 137164257.2 | 23.5488 | A        | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 66238.09    | 0.0123  | P        | 3.0 |

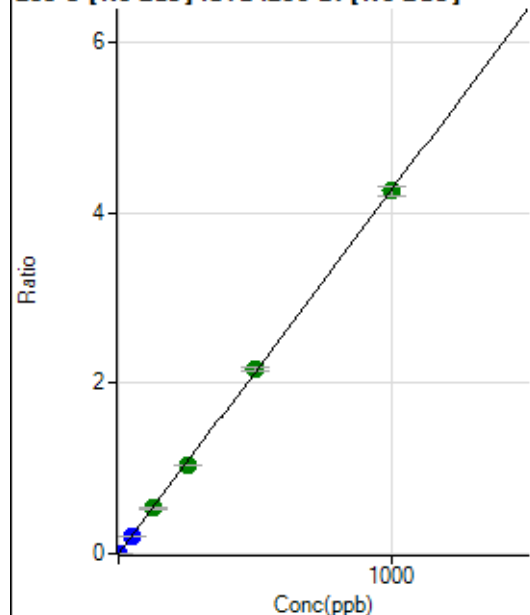
$$y = 0.0047 * x + 8.2949E-004$$

$$R = 1.0000$$

$$DL = 0.01429$$

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      | 25.00       | 0.0000 | P        | 35.4 |
| 2 | <input type="checkbox"/> | 0.100    | 0.085      | 2019.66     | 0.0004 | P        | 7.4  |
| 3 | <input type="checkbox"/> | 1.000    | 0.903      | 21546.70    | 0.0039 | P        | 1.9  |
| 4 | <input type="checkbox"/> | 50.000   | 46.021     | 1127191.24  | 0.1961 | P        | 3.0  |
| 5 | <input type="checkbox"/> | 125.000  | 124.446    | 2967729.02  | 0.5302 | A        | 3.2  |
| 6 | <input type="checkbox"/> | 250.000  | 244.025    | 6095035.68  | 1.0397 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 507.333    | 12567405.75 | 2.1616 | A        | 2.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.096    | 24769462.18 | 4.2526 | A        | 2.3  |
| 9 | <input type="checkbox"/> |          |            | 2291.94     | 0.0004 | P        | 29.0 |

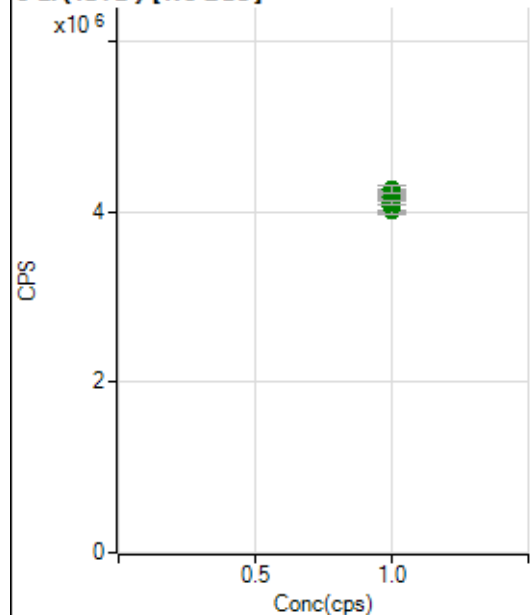
$$y = 0.0043 * x + 4.2122E-006$$

$$R = 0.9999$$

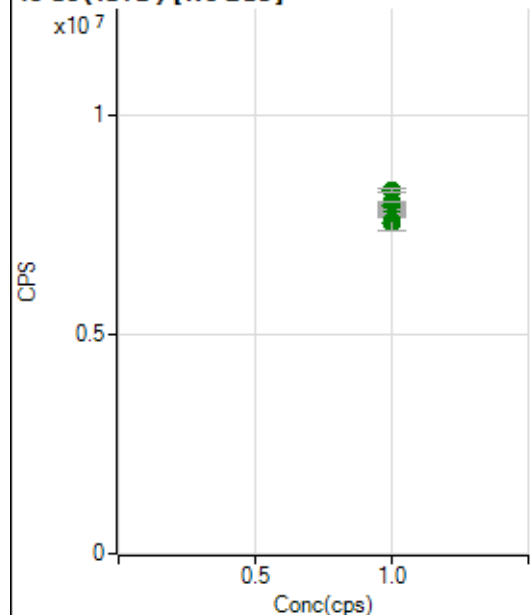
$$DL = 0.001049$$

Weight: &lt;None&gt;

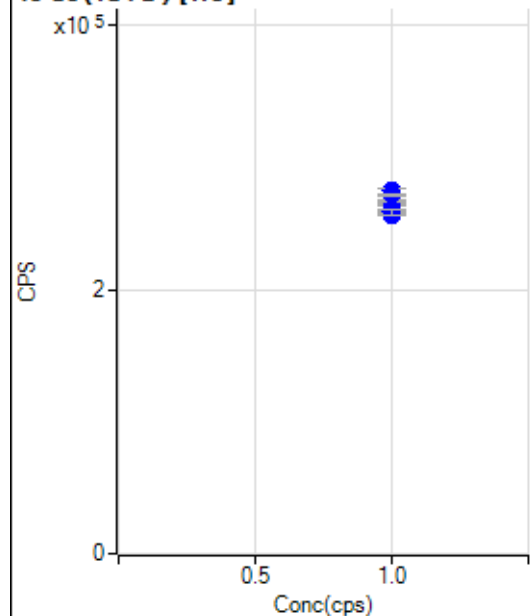
Min Conc: 0

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

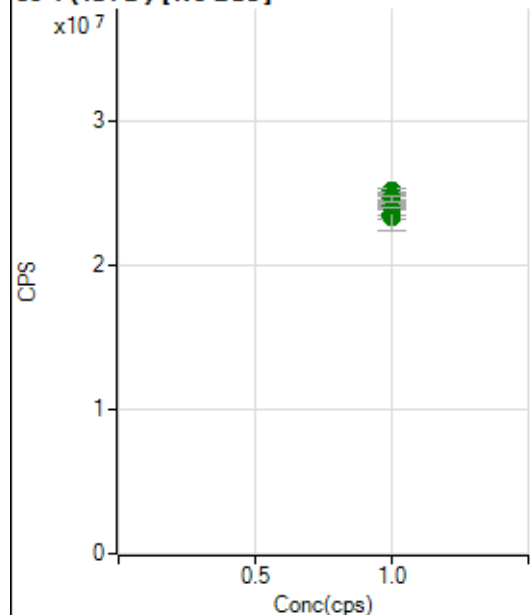
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4263523.47 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4057483.63 |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4019415.42 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4200018.60 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4070695.88 |       | A        | 4.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4190513.64 |       | A        | 2.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4122306.70 |       | A        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4263485.25 |       | A        | 2.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4112495.79 |       | A        | 0.6 |

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

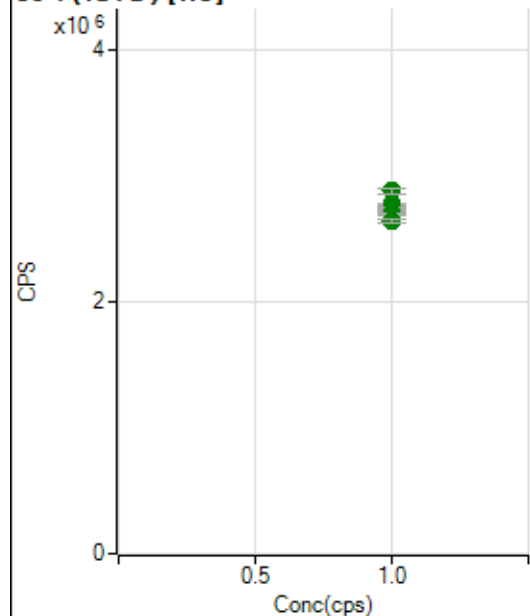
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8286532.93 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7808108.42 |       | A        | 2.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7813156.27 |       | A        | 3.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7894693.28 |       | A        | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7554426.42 |       | A        | 4.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7779664.75 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7850727.24 |       | A        | 1.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7942467.45 |       | A        | 1.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8026918.98 |       | A        | 0.2 |

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

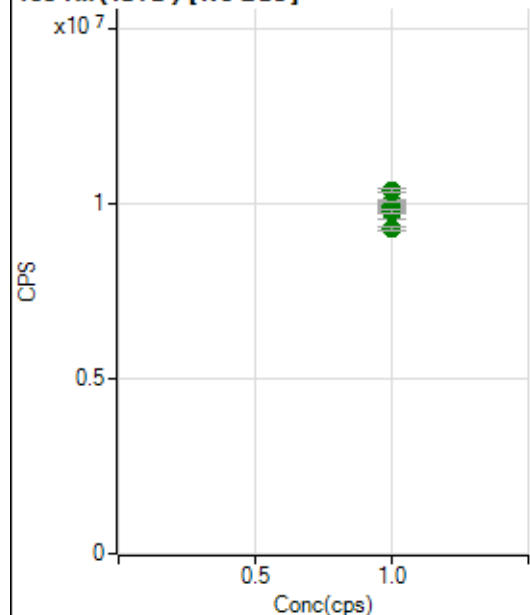
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 274886.34 |       | P        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 264383.26 |       | P        | 0.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 266034.66 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 267337.58 |       | P        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 260531.77 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 257085.34 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 259126.44 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 258743.33 |       | P        | 1.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 272026.71 |       | P        | 0.8 |

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

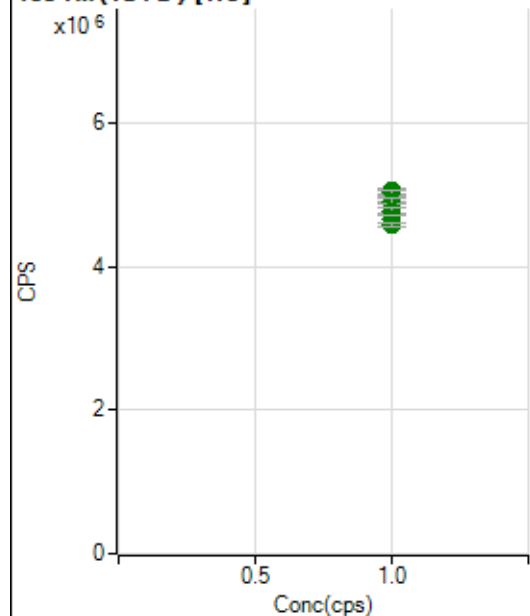
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 25194449.35 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 23703116.04 |       | A        | 1.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 23550652.43 |       | A        | 2.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 24785575.74 |       | A        | 2.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 23337000.21 |       | A        | 7.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 24288262.69 |       | A        | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 24188724.92 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 24699515.19 |       | A        | 1.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 24688083.80 |       | A        | 1.7 |

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

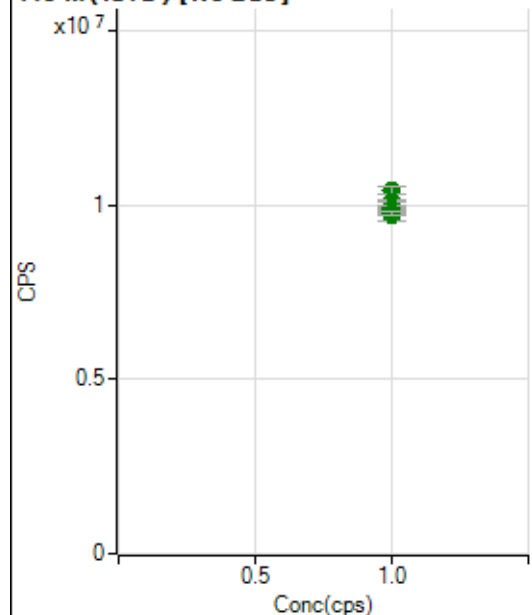
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2771109.11 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2735230.63 |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2735929.77 |       | A        | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2740662.96 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2679776.04 |       | A        | 1.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2640657.10 |       | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2694208.45 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2641317.39 |       | A        | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2877668.01 |       | A        | 1.5 |

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

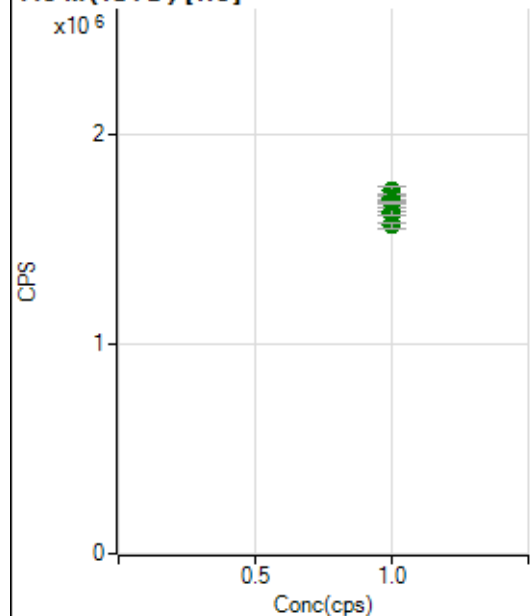
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10384210.22 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9907126.18  |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9921429.21  |       | A        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9980313.07  |       | A        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9729065.41  |       | A        | 3.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10072458.64 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9881161.51  |       | A        | 3.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9792604.73  |       | A        | 1.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9315623.21  |       | A        | 1.4 |

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

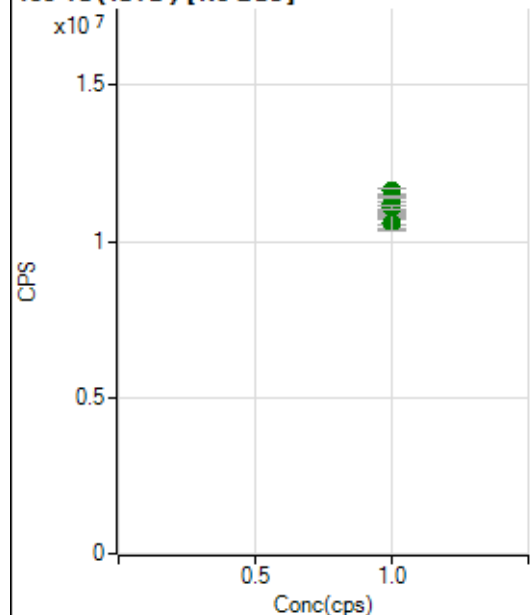
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5059407.46 |       | A        | 1.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4960289.13 |       | A        | 2.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4968130.41 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5035667.84 |       | A        | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4918235.69 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4778154.89 |       | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4771813.02 |       | A        | 2.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4672414.62 |       | A        | 2.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4585268.20 |       | A        | 1.6 |

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

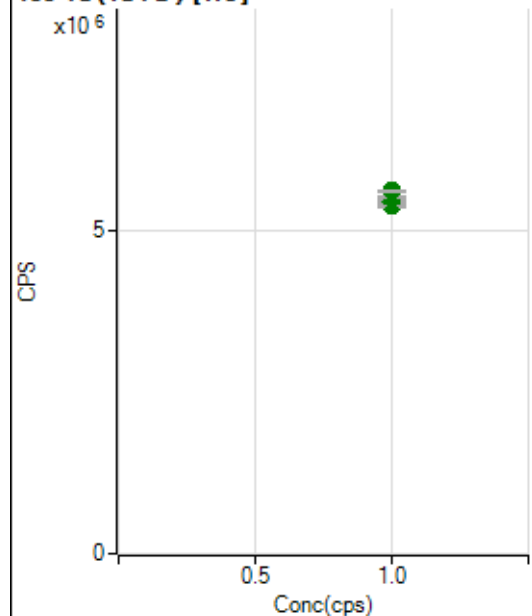
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10422455.55 |       | A        | 2.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9793897.54  |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9834024.11  |       | A        | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10081929.60 |       | A        | 2.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9725632.34  |       | A        | 3.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9908490.85  |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9948750.87  |       | A        | 3.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9911145.40  |       | A        | 2.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9757901.11  |       | A        | 1.1 |

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

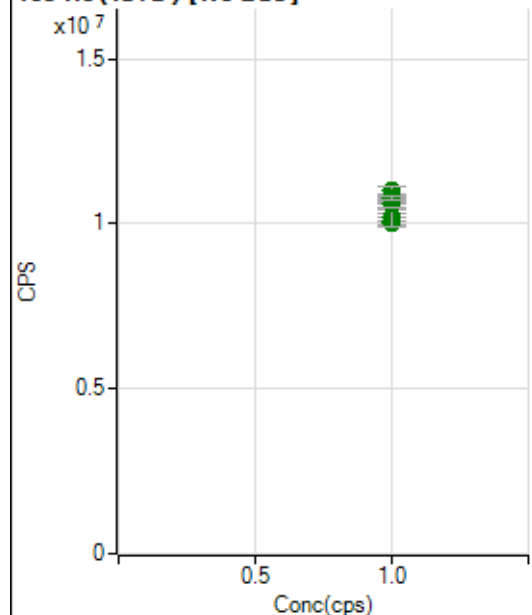
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1733746.35 |       | A        | 2.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1697104.18 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1693420.34 |       | A        | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1703438.60 |       | A        | 2.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1679400.35 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1623866.54 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1636000.12 |       | A        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1568625.50 |       | A        | 1.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1677360.13 |       | A        | 0.9 |

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

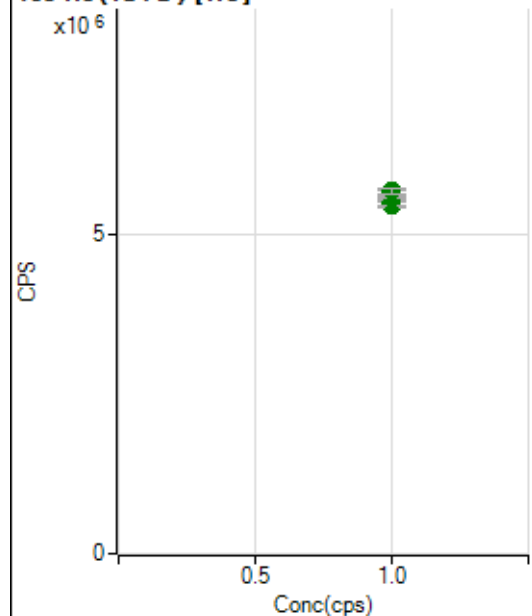
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11610871.35 |       | A        | 1.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10572581.93 |       | A        | 3.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10608713.80 |       | A        | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10986092.75 |       | A        | 2.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10595495.26 |       | A        | 4.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11096465.11 |       | A        | 2.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11192845.25 |       | A        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11411498.72 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 11087459.56 |       | A        | 1.1 |

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

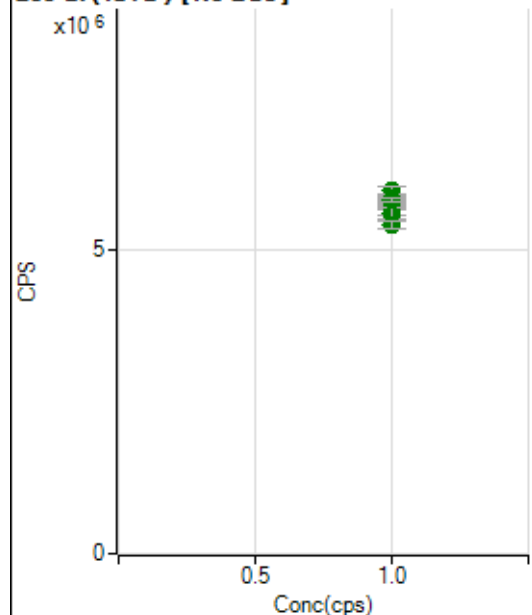
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5528469.15 |       | A        | 2.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5386251.83 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5453905.37 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5467427.56 |       | A        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5436198.32 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5435468.29 |       | A        | 2.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5499216.62 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5506880.99 |       | A        | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5602175.05 |       | A        | 0.7 |

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

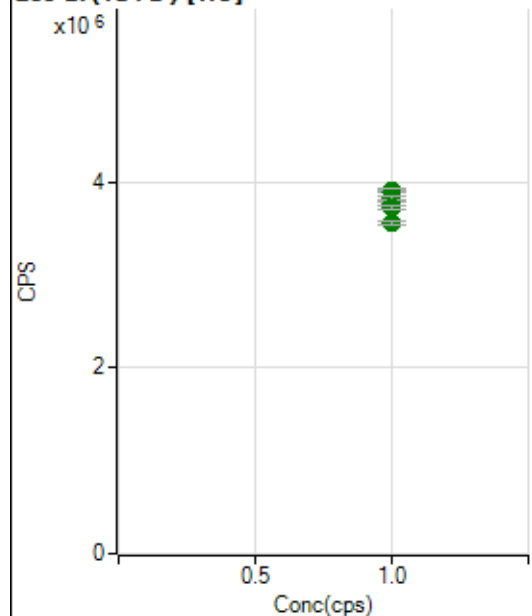
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10758347.12 |       | A        | 2.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10013050.83 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10097279.83 |       | A        | 4.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10198336.34 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10184462.90 |       | A        | 5.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10579307.88 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10778478.89 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10996015.00 |       | A        | 2.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 10796614.91 |       | A        | 1.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5633286.59 |       | A        | 2.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5470366.86 |       | A        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5439938.08 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5638409.22 |       | A        | 1.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5542190.68 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5498800.79 |       | A        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5673222.07 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5581368.95 |       | A        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5682938.18 |       | A        | 1.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5967204.08 |       | A        | 2.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5513827.84 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5593882.49 |       | A        | 4.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5751021.09 |       | A        | 2.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5601218.18 |       | A        | 3.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5862340.68 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5813609.50 |       | A        | 2.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5824912.83 |       | A        | 1.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5399400.55 |       | A        | 2.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3903741.78 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3774848.94 |       | A        | 1.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3828470.50 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3887617.79 |       | A        | 2.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3796814.08 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3760801.26 |       | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3825717.51 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3726897.69 |       | A        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3559955.43 |       | A        | 1.5 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P810192MS.b  
Acq. Date-Time 2021-10-19 09:47:00  
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    |              | 14773  | 147730.49  |                            |             | 0.605  | 5.000           |
| 24   |              | 128676 | 1286761.55 |                            |             | 0.929  | 5.000           |
| 25   |              | 17097  | 170970.84  |                            |             | 0.376  | 5.000           |
| 26   |              | 19808  | 198080.19  |                            |             | 0.745  | 5.000           |
| 59   |              | 35468  | 354682.85  |                            |             | 0.755  | 5.000           |
| 113  |              | 13905  | 139051.11  |                            |             | 1.136  | 5.000           |
| 115  |              | 44436  | 444357.38  |                            |             | 0.514  | 5.000           |
| 206  |              | 15360  | 153596.73  |                            |             | 1.700  | 5.000           |
| 207  |              | 12925  | 129245.82  |                            |             | 1.325  | 5.000           |
| 208  |              | 32059  | 320585.68  |                            |             | 1.487  | 5.000           |
| 220  |              | 1      | 7.70       |                            |             | 19.803 |                 |

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

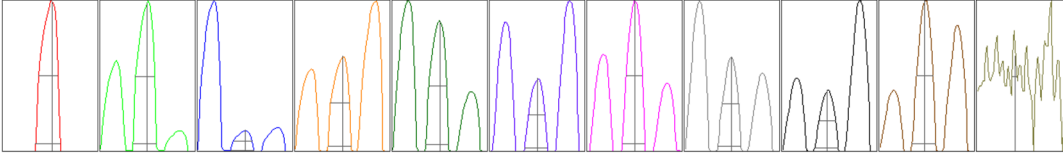
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 14631       | 14740       | 14822       | 14824       | 14848       |
| 24   | 127974      | 130137      | 127341      | 129721      | 128207      |
| 25   | 17053       | 17048       | 17058       | 17194       | 17132       |
| 26   | 19729       | 19605       | 19825       | 19897       | 19985       |
| 59   | 35383       | 35202       | 35553       | 35314       | 35889       |
| 113  | 13909       | 13692       | 13868       | 13923       | 14135       |
| 115  | 44537       | 44445       | 44185       | 44256       | 44757       |
| 206  | 15129       | 15079       | 15393       | 15485       | 15712       |
| 207  | 12858       | 12691       | 12902       | 13033       | 13139       |
| 208  | 31706       | 31661       | 32027       | 32050       | 32849       |

# 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    | 26183.50    | 9.10   | 8.90 - 9.10     |             |
| 24   | 228808.24   | 24.00  | 23.90 - 24.10   |             |
| 25   | 31115.42    | 25.05  | 24.90 - 25.10   |             |
| 26   | 35871.17    | 26.05  | 25.90 - 26.10   |             |
| 59   | 66604.74    | 59.05  | 58.90 - 59.10   |             |
| 113  | 28280.15    | 113.05 | 112.90 - 113.10 |             |
| 115  | 91325.91    | 115.05 | 114.90 - 115.10 |             |
| 206  | 31057.67    | 206.00 | 205.90 - 206.10 |             |
| 207  | 25619.20    | 206.95 | 206.90 - 207.10 |             |
| 208  | 63683.46    | 207.95 | 207.90 - 208.10 |             |
| 220  | 0.95        | 219.75 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.60  | 0.780 | 0.900           |             |
| 24   | 0.60  | 0.740 | 0.900           |             |
| 25   | 0.59  | 0.738 | 0.900           |             |
| 26   | 0.60  | 0.739 | 0.900           |             |
| 59   | 0.56  | 0.730 | 0.900           |             |
| 113  | 0.51  | 0.721 | 0.900           |             |
| 115  | 0.51  | 0.715 | 0.900           |             |
| 206  | 0.51  | 0.733 | 0.900           |             |
| 207  | 0.52  | 0.749 | 0.900           |             |
| 208  | 0.52  | 0.756 | 0.900           |             |
| 220  | 0.17  |       |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

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

# US EPA Tune Check Report

|              |         |                |          |               |            |
|--------------|---------|----------------|----------|---------------|------------|
| RF Power     | 1600 W  | Option Gas     | ---      | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.40 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    | 9.4 V | Deflect    | 15.0 V |
| Extract 2  | -195.0 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   | 0.9990 | QP Bias | -4.0 V |
| Mass Offset | 125 | Axis Offset | 0.02   |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 0.9 mm | Torch V | -0.7 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.8 mV | Analog HV | 2264 V | Pulse HV | 1551 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 8161  | 81612.45  |                            |             | 1.659 |                 |
| 89   |              | 23832 | 238322.19 |                            |             | 2.082 |                 |
| 205  |              | 16167 | 161666.56 |                            |             | 1.876 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 8079        | 8189        | 8221        | 8335        | 7982        |
| 89   | 23492       | 24064       | 24062       | 24386       | 23157       |
| 205  | 15995       | 16251       | 16199       | 16600       | 15789       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

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

### Lens Parameters

|           |        |            |       |         |       |
|-----------|--------|------------|-------|---------|-------|
| Extract 1 | -6.0 V | Omega Lens | 9.4 V | Deflect | 4.8 V |
|-----------|--------|------------|-------|---------|-------|

# US EPA Tune Check Report

|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -195.0 V   | Cell Entrance | -50 V   | Plate Bias            | -60 V   |
| Omega Bias               | -95 V      | Cell Exit     | -70 V   |                       |         |
| <b>Cell Parameters</b>   |            |               |         |                       |         |
| Use Gas                  | Yes        | 3rd Gas Flow  | ---     | Energy Discrimination | 5.0 V   |
| He Flow                  | 4.5 mL/min | OctP Bias     | -18.0 V |                       |         |
| H2 Flow                  | ---        | OctP RF       | 200 V   |                       |         |
| <b>QP Parameters</b>     |            |               |         |                       |         |
| Mass Gain                | 124        | Axis Gain     | 0.9990  | QP Bias               | -13.0 V |
| Mass Offset              | 125        | Axis Offset   | 0.02    |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | 0.9 mm     | Torch V       | -0.7 mm |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 3.8 mV     | Analog HV     | 2264 V  | Pulse HV              | 1551 V  |