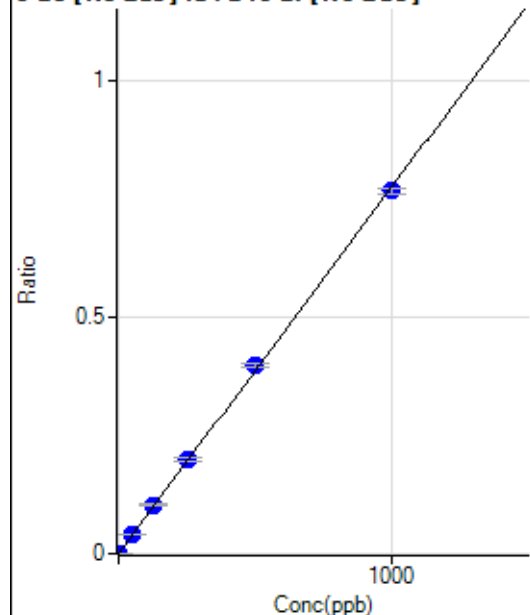


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8112120C.b\  
Analysis File: P8112120C.batch.bin  
DA Date-Time: 2020-11-21 14:38:33  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2020-11-21 11:38:25 |
| 2     | 004CALS.d          | S02         | 2020-11-21 11:41:39 |
| 3     | 005CALS.d          | S03         | 2020-11-21 11:44:51 |
| 4     | 006CALS.d          | S04         | 2020-11-21 11:48:05 |
| 5     | 007CALS.d          | S05         | 2020-11-21 11:51:12 |
| 6     | 008CALS.d          | S06         | 2020-11-21 11:54:15 |
| 7     | 009CALS.d          | S07         | 2020-11-21 11:57:14 |
| 8     | 010CALS.d          | S08         | 2020-11-21 12:00:14 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 63.99     | 0.0001 | P   | 16.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.011      | 798.53    | 0.0009 | P   | 2.2  |
| 3 | <input type="checkbox"/> | 50.000   | 51.926     | 37882.83  | 0.0402 | P   | 0.5  |
| 4 | <input type="checkbox"/> | 125.000  | 133.469    | 97417.04  | 0.1033 | P   | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 256.911    | 192756.95 | 0.1987 | P   | 3.2  |
| 6 | <input type="checkbox"/> | 500.000  | 513.239    | 396158.11 | 0.3970 | P   | 1.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.498    | 748423.73 | 0.7660 | P   | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 2121.07   | 0.0022 | P   | 1.5  |

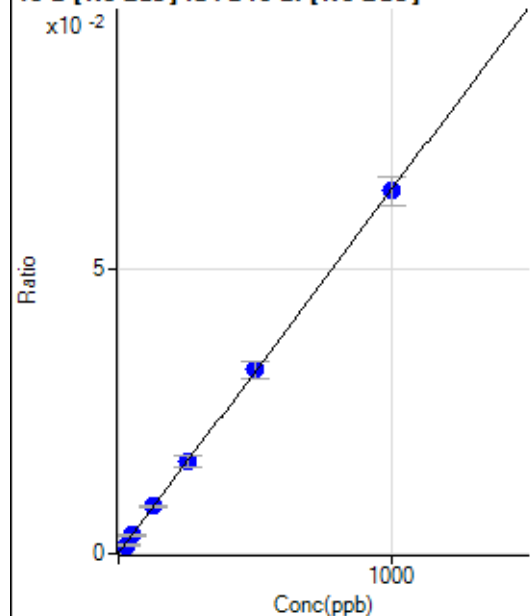
$$y = 7.7330E-004 * x + 6.8707E-005$$

$$R = 0.9998$$

$$DL = 0.04272$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 64.65    | 0.0001 | P   | 24.2 |
| 2 | <input type="checkbox"/> | 25.000   | 22.263     | 1404.46  | 0.0015 | P   | 5.8  |
| 3 | <input type="checkbox"/> | 50.000   | 50.930     | 3135.72  | 0.0033 | P   | 8.5  |
| 4 | <input type="checkbox"/> | 125.000  | 128.942    | 7855.23  | 0.0083 | P   | 6.5  |
| 5 | <input type="checkbox"/> | 250.000  | 251.853    | 15680.63 | 0.0162 | P   | 11.8 |
| 6 | <input type="checkbox"/> | 500.000  | 504.233    | 32259.61 | 0.0323 | P   | 8.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.950    | 62387.88 | 0.0639 | P   | 7.9  |
| 8 | <input type="checkbox"/> |          |            | 9063.04  | 0.0094 | P   | 10.5 |

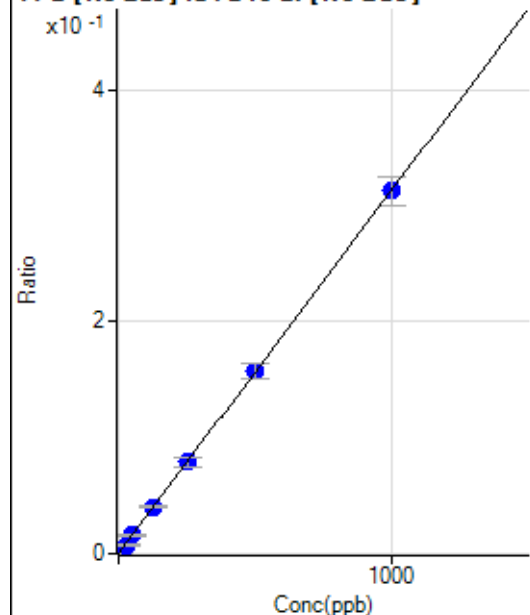
$$y = 6.4006E-005 * x + 6.9599E-005$$

$$R = 1.0000$$

$$DL = 0.7894$$

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 | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 240.63    | 0.0003 | P   | 0.7  |
| 2 | <input type="checkbox"/> | 25.000   | 22.283     | 6796.25   | 0.0072 | P   | 6.9  |
| 3 | <input type="checkbox"/> | 50.000   | 49.773     | 14913.96  | 0.0158 | P   | 6.8  |
| 4 | <input type="checkbox"/> | 125.000  | 128.798    | 38293.46  | 0.0406 | P   | 6.3  |
| 5 | <input type="checkbox"/> | 250.000  | 251.692    | 76541.26  | 0.0790 | P   | 11.9 |
| 6 | <input type="checkbox"/> | 500.000  | 500.975    | 156636.19 | 0.1570 | P   | 8.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.694    | 305501.64 | 0.3128 | P   | 8.0  |
| 8 | <input type="checkbox"/> |          |            | 43575.18  | 0.0451 | P   | 9.3  |

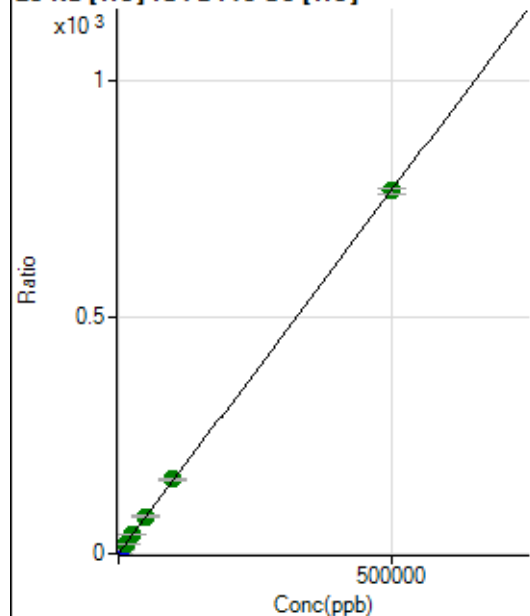
$$y = 3.1297E-004 * x + 2.5875E-004$$

$$R = 1.0000$$

$$DL = 0.01658$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 32737.21    | 0.4194   | P   | 1.1 |
| 2 | <input type="checkbox"/> | 500.000   | 488.158    | 93401.28    | 1.1674   | P   | 1.1 |
| 3 | <input type="checkbox"/> | 5000.000  | 5283.142   | 668459.42   | 8.5145   | P   | 3.0 |
| 4 | <input type="checkbox"/> | 12500.000 | 13226.038  | 1633691.93  | 20.6850  | A   | 1.3 |
| 5 | <input type="checkbox"/> | 25000.000 | 25665.783  | 3181354.08  | 39.7458  | A   | 0.9 |
| 6 | <input type="checkbox"/> | 50000.000 | 51077.928  | 6294026.40  | 78.6836  | A   | 2.2 |
| 7 | <input type="checkbox"/> | 100000.00 | 102747.04  | 12281121.20 | 157.8537 | A   | 2.4 |
| 8 | <input type="checkbox"/> | 500000.00 | 499288.53  | 58502593.67 | 765.4550 | A   | 1.4 |

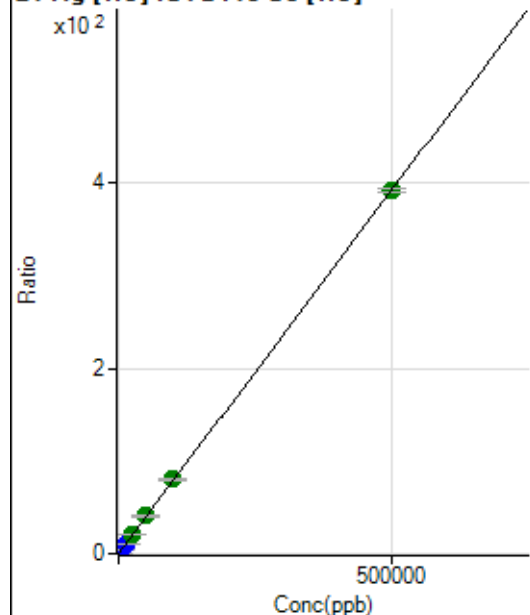
$$y = 0.0015 * x + 0.4194$$

$$R = 1.0000$$

$$DL = 9.206$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 522.24      | 0.0067   | P   | 6.8 |
| 2 | <input type="checkbox"/> | 500.000   | 493.309    | 31453.93    | 0.3932   | P   | 2.2 |
| 3 | <input type="checkbox"/> | 5000.000  | 5265.531   | 324423.68   | 4.1320   | P   | 2.5 |
| 4 | <input type="checkbox"/> | 12500.000 | 13268.193  | 821516.75   | 10.4018  | P   | 0.2 |
| 5 | <input type="checkbox"/> | 25000.000 | 25561.743  | 1603442.08  | 20.0333  | A   | 1.2 |
| 6 | <input type="checkbox"/> | 50000.000 | 51923.866  | 3254473.05  | 40.6870  | A   | 2.6 |
| 7 | <input type="checkbox"/> | 100000.00 | 102175.90  | 6227635.90  | 80.0575  | A   | 3.2 |
| 8 | <input type="checkbox"/> | 500000.00 | 499322.49  | 29899582.27 | 391.2065 | A   | 1.0 |

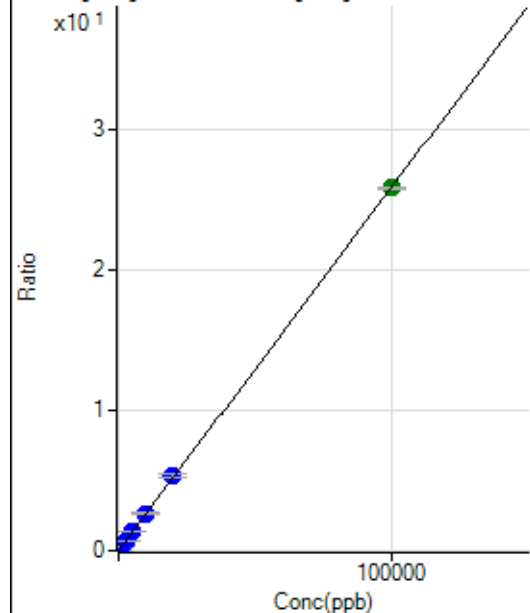
$$y = 7.8346\text{E-}004 * x + 0.0067$$

$$R = 1.0000$$

$$DL = 1.744$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 444.12     | 0.0057  | P   | 6.4 |
| 2 | <input type="checkbox"/> | 20.000    | 20.893     | 887.42     | 0.0111  | P   | 2.9 |
| 3 | <input type="checkbox"/> | 1000.000  | 1025.653   | 21267.39   | 0.2709  | P   | 3.3 |
| 4 | <input type="checkbox"/> | 2500.000  | 2592.139   | 53387.44   | 0.6760  | P   | 0.4 |
| 5 | <input type="checkbox"/> | 5000.000  | 5057.967   | 105143.40  | 1.3136  | P   | 0.3 |
| 6 | <input type="checkbox"/> | 10000.000 | 10275.019  | 213007.95  | 2.6626  | P   | 1.3 |
| 7 | <input type="checkbox"/> | 20000.000 | 20538.504  | 413556.32  | 5.3166  | P   | 3.4 |
| 8 | <input type="checkbox"/> | 100000.00 | 99859.339  | 1973997.72 | 25.8277 | A   | 0.9 |

$$y = 2.5858\text{E-}004 * x + 0.0057$$

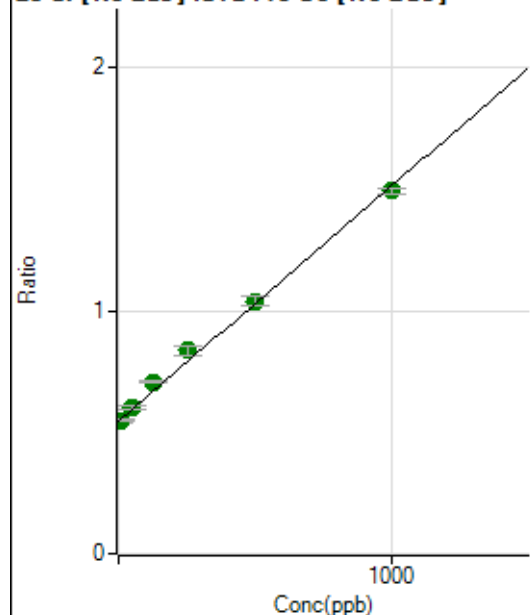
$$R = 1.0000$$

$$DL = 4.241$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1039768.47 | 0.5460 | A   | 2.4 |
| 2 | <input type="checkbox"/> | 10.000   | 2.168      | 1053472.17 | 0.5481 | A   | 1.8 |
| 3 | <input type="checkbox"/> | 50.000   | 59.403     | 1174035.68 | 0.6035 | A   | 2.6 |
| 4 | <input type="checkbox"/> | 125.000  | 166.474    | 1355800.99 | 0.7072 | A   | 0.4 |
| 5 | <input type="checkbox"/> | 250.000  | 298.577    | 1616387.53 | 0.8351 | A   | 5.4 |
| 6 | <input type="checkbox"/> | 500.000  | 508.838    | 2123481.30 | 1.0387 | A   | 3.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 977.860    | 2939551.76 | 1.4928 | A   | 1.9 |
| 8 | <input type="checkbox"/> |          |            | 1380952.58 | 0.7226 | A   | 1.1 |

$$y = 9.6827E-004 * x + 0.5460$$

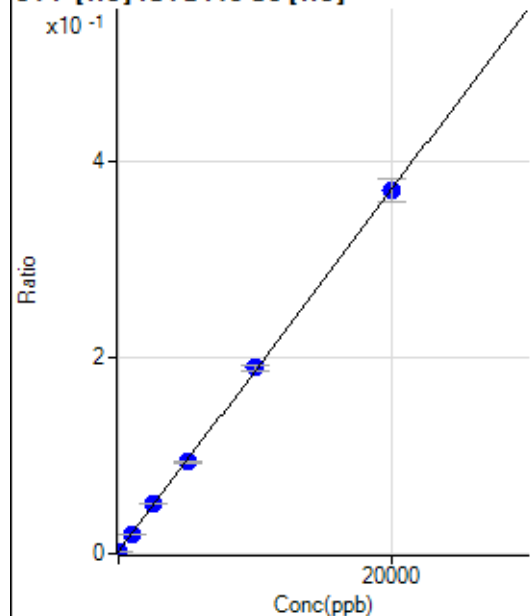
$$R = 0.9978$$

$$DL = 40.79$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | -1.309     | 175.01   | 0.0022 | P   | 14.0 |
| 2 | <input type="checkbox"/> | 0.000     | 1.309      | 183.34   | 0.0023 | P   | 15.8 |
| 3 | <input type="checkbox"/> | 1000.000  | 928.419    | 1519.56  | 0.0194 | P   | 2.8  |
| 4 | <input type="checkbox"/> | 2500.000  | 2627.145   | 3997.89  | 0.0506 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 5000.000  | 4965.139   | 7496.54  | 0.0937 | P   | 1.7  |
| 6 | <input type="checkbox"/> | 10000.000 | 10137.334  | 15108.27 | 0.1888 | P   | 2.2  |
| 7 | <input type="checkbox"/> | 20000.000 | 19927.734  | 28693.04 | 0.3690 | P   | 6.2  |
| 8 | <input type="checkbox"/> |           |            | 197.23   | 0.0026 | P   | 27.6 |

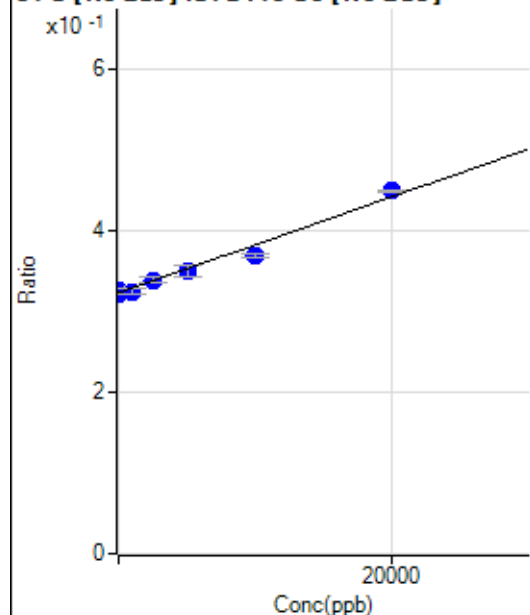
$$y = 1.8406E-005 * x + 0.0023$$

$$R = 0.9999$$

$$DL = 55.14$$

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     | 337.096    | 620068.13 | 0.3256 | P   | 2.9 |
| 2 | <input type="checkbox"/> | 0.000     | -337.096   | 618222.13 | 0.3216 | P   | 0.6 |
| 3 | <input type="checkbox"/> | 1000.000  | 239.665    | 632327.43 | 0.3250 | P   | 2.6 |
| 4 | <input type="checkbox"/> | 2500.000  | 2651.536   | 650405.75 | 0.3394 | P   | 2.6 |
| 5 | <input type="checkbox"/> | 5000.000  | 4632.650   | 679856.34 | 0.3512 | P   | 3.9 |
| 6 | <input type="checkbox"/> | 10000.000 | 7751.789   | 755968.39 | 0.3697 | P   | 1.4 |
| 7 | <input type="checkbox"/> | 20000.000 | 21235.018  | 885676.91 | 0.4498 | P   | 0.5 |
| 8 | <input type="checkbox"/> |           |            | 576020.42 | 0.3014 | P   | 1.0 |

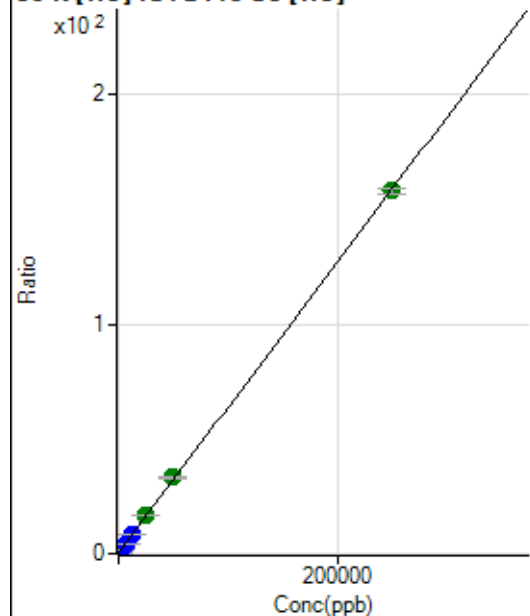
$$y = 5.9422\text{E-}006 * x + 0.3236$$

$$R = 0.9905$$

$$DL = 2878$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 29787.05    | 0.3816   | P   | 1.5 |
| 2 | <input type="checkbox"/> | 500.000   | 464.985    | 54029.55    | 0.6754   | P   | 2.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2649.193   | 161437.50   | 2.0555   | P   | 0.9 |
| 4 | <input type="checkbox"/> | 6250.000  | 6642.610   | 361618.19   | 4.5788   | P   | 1.0 |
| 5 | <input type="checkbox"/> | 12500.000 | 12934.564  | 684677.18   | 8.5544   | P   | 0.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 25961.396  | 1342686.00  | 16.7854  | A   | 2.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 52093.750  | 2590063.41  | 33.2973  | A   | 3.4 |
| 8 | <input type="checkbox"/> | 250000.00 | 249452.14  | 12075713.03 | 157.9992 | A   | 1.6 |

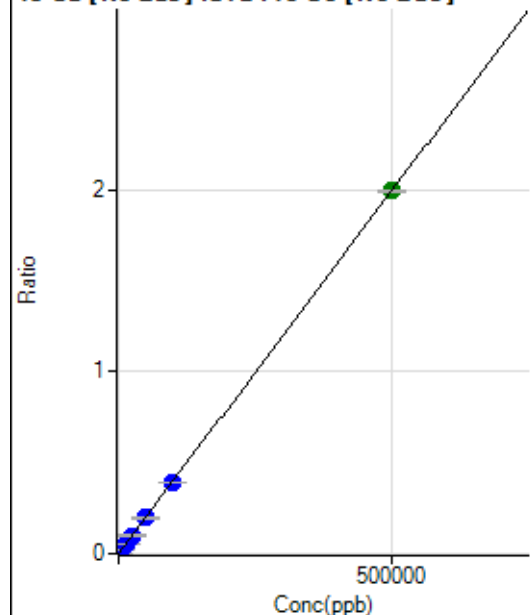
$$y = 6.3185\text{E-}004 * x + 0.3816$$

$$R = 1.0000$$

$$DL = 27.4$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 338.71     | 0.0002 | P    | 4.3 |
| 2 | <input type="checkbox"/> | 500.000   | 473.733    | 3970.07    | 0.0021 | P    | 0.1 |
| 3 | <input type="checkbox"/> | 5000.000  | 4817.828   | 37692.96   | 0.0194 | P    | 2.0 |
| 4 | <input type="checkbox"/> | 12500.000 | 12704.940  | 97362.61   | 0.0508 | P    | 2.1 |
| 5 | <input type="checkbox"/> | 25000.000 | 24960.631  | 192868.13  | 0.0996 | P    | 4.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 49335.911  | 402328.36  | 0.1968 | P    | 1.5 |
| 7 | <input type="checkbox"/> | 100000.00 | 98890.893  | 776205.26  | 0.3942 | P    | 0.2 |
| 8 | <input type="checkbox"/> | 500000.00 | 500286.92  | 3809885.12 | 1.9935 | A    | 0.6 |

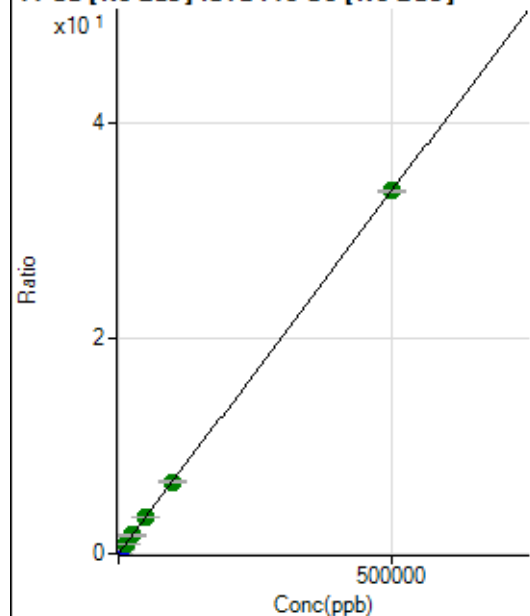
$$y = 3.9844\text{E-}006 * x + 1.7776\text{E-}004$$

$$R = 1.0000$$

$$DL = 5.808$$

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      | 23922.13    | 0.0126  | P    | 2.2 |
| 2 | <input type="checkbox"/> | 500.000   | 477.272    | 85810.88    | 0.0446  | P    | 0.6 |
| 3 | <input type="checkbox"/> | 5000.000  | 4967.774   | 674072.17   | 0.3465  | P    | 2.1 |
| 4 | <input type="checkbox"/> | 12500.000 | 12701.504  | 1660272.73  | 0.8663  | A    | 2.5 |
| 5 | <input type="checkbox"/> | 25000.000 | 25385.628  | 3327292.45  | 1.7189  | A    | 4.8 |
| 6 | <input type="checkbox"/> | 50000.000 | 49580.950  | 6841571.74  | 3.3452  | A    | 0.5 |
| 7 | <input type="checkbox"/> | 100000.00 | 98933.720  | 13118809.65 | 6.6626  | A    | 1.1 |
| 8 | <input type="checkbox"/> | 500000.00 | 500231.18  | 64282262.73 | 33.6365 | A    | 0.5 |

$$y = 6.7217\text{E-}005 * x + 0.0126$$

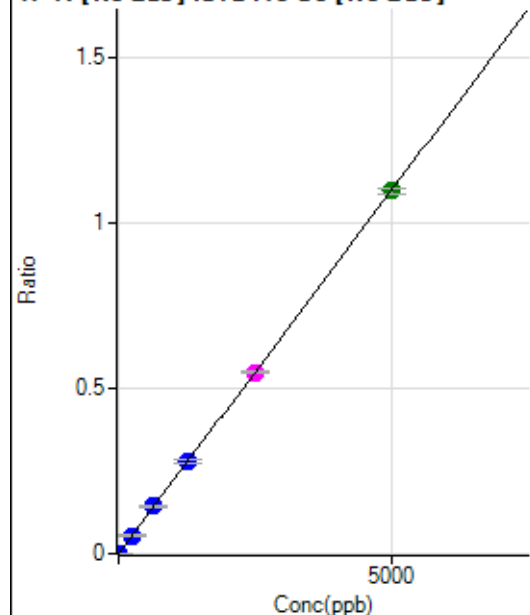
$$R = 1.0000$$

$$DL = 12.42$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 352.79     | 0.0002 | P   | 10.5 |
| 2 | <input type="checkbox"/> | 5.000    | 5.011      | 2469.72    | 0.0013 | P   | 10.1 |
| 3 | <input type="checkbox"/> | 250.000  | 249.615    | 106993.63  | 0.0550 | P   | 2.7  |
| 4 | <input type="checkbox"/> | 625.000  | 656.140    | 276484.31  | 0.1443 | P   | 2.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1272.504   | 541323.18  | 0.2796 | P   | 4.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2494.595   | 1120501.55 | 0.5480 | M   | 1.6  |
| 7 | <input type="checkbox"/> | 5000.000 | 4993.203   | 2159219.12 | 1.0966 | A   | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 5434.52    | 0.0028 | P   | 6.3  |

$$y = 2.1959E-004 * x + 1.8486E-004$$

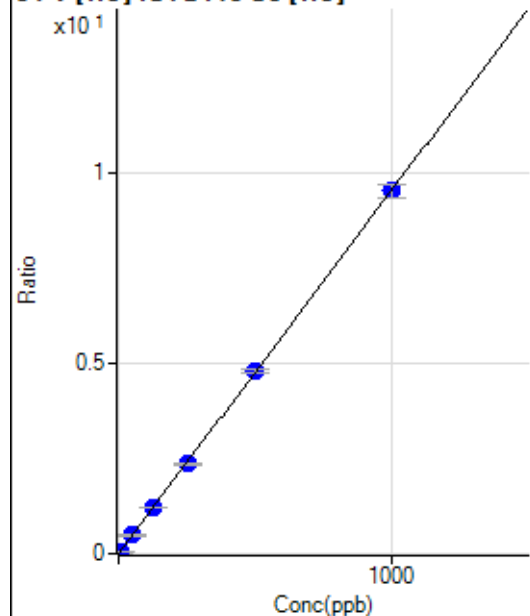
$$R = 1.0000$$

$$DL = 0.2664$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.89      | 0.0001 | P   | 44.0 |
| 2 | <input type="checkbox"/> | 5.000    | 4.664      | 3576.04   | 0.0447 | P   | 2.6  |
| 3 | <input type="checkbox"/> | 50.000   | 50.612     | 38005.98  | 0.4840 | P   | 1.9  |
| 4 | <input type="checkbox"/> | 125.000  | 126.471    | 95507.98  | 1.2093 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 250.000  | 247.169    | 189156.75 | 2.3633 | P   | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 502.793    | 384565.79 | 4.8073 | P   | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.098    | 743021.73 | 9.5524 | P   | 3.6  |
| 8 | <input type="checkbox"/> |          |            | 1686.78   | 0.0221 | P   | 3.8  |

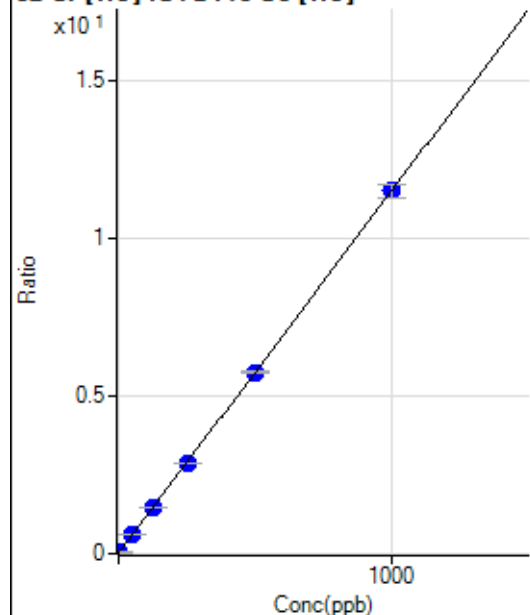
$$y = 0.0096 * x + 1.1412E-004$$

$$R = 1.0000$$

$$DL = 0.01576$$

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      | 768.92    | 0.0099  | P   | 8.4 |
| 2 | <input type="checkbox"/> | 2.000    | 1.853      | 2490.24   | 0.0311  | P   | 9.9 |
| 3 | <input type="checkbox"/> | 50.000   | 50.263     | 46107.39  | 0.5872  | P   | 2.4 |
| 4 | <input type="checkbox"/> | 125.000  | 126.332    | 115393.01 | 1.4611  | P   | 0.3 |
| 5 | <input type="checkbox"/> | 250.000  | 248.453    | 229223.17 | 2.8639  | P   | 0.6 |
| 6 | <input type="checkbox"/> | 500.000  | 499.984    | 460242.96 | 5.7533  | P   | 1.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.216   | 894516.18 | 11.4996 | P   | 3.4 |
| 8 | <input type="checkbox"/> |          |            | 10541.76  | 0.1379  | P   | 2.1 |

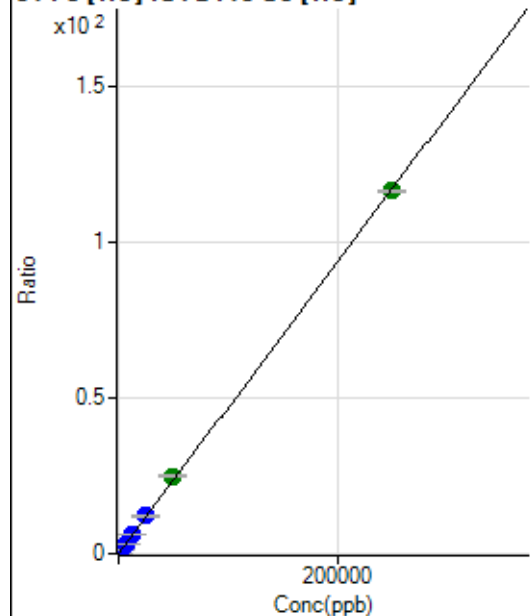
$$y = 0.0115 * x + 0.0099$$

$$R = 1.0000$$

$$DL = 0.2156$$

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      | 388.90     | 0.0050   | P   | 2.1 |
| 2 | <input type="checkbox"/> | 50.000    | 51.511     | 2326.16    | 0.0291   | P   | 9.0 |
| 3 | <input type="checkbox"/> | 2500.000  | 2622.829   | 96775.07   | 1.2329   | P   | 4.5 |
| 4 | <input type="checkbox"/> | 6250.000  | 6574.390   | 243482.82  | 3.0829   | P   | 0.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 12867.772  | 482572.41  | 6.0292   | P   | 0.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 25908.982  | 970711.38  | 12.1347  | P   | 1.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 53374.086  | 1943842.04 | 24.9929  | A   | 4.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 249206.55  | 8917590.59 | 116.6750 | A   | 0.6 |

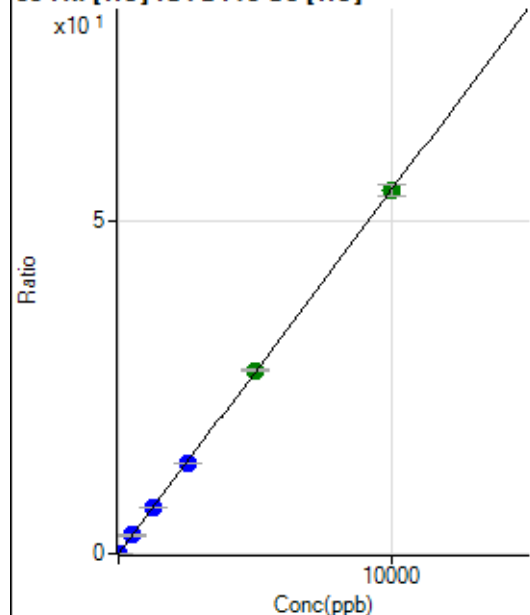
$$y = 4.6817E-004 * x + 0.0050$$

$$R = 0.9999$$

$$DL = 0.6864$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>55</sup>Mn [He] ISTD: <sup>45</sup>Sc [He]**

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 121.11     | 0.0016  | P   | 13.0 |
| 2 | <input type="checkbox"/> | 1.000     | 0.986      | 555.57     | 0.0069  | P   | 3.7  |
| 3 | <input type="checkbox"/> | 500.000   | 505.889    | 217268.54  | 2.7675  | P   | 3.2  |
| 4 | <input type="checkbox"/> | 1250.000  | 1275.946   | 551104.68  | 6.9779  | P   | 0.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2494.869   | 1091894.30 | 13.6424 | P   | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 5036.969   | 2203305.59 | 27.5415 | A   | 1.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 9979.261   | 4244463.24 | 54.5639 | A   | 3.2  |
| 8 | <input type="checkbox"/> |           |            | 13517.59   | 0.1769  | P   | 1.8  |

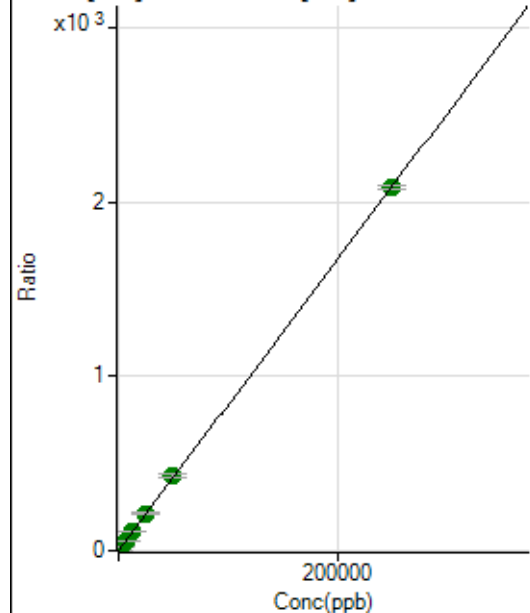
$$y = 0.0055 * x + 0.0016$$

$$R = 1.0000$$

$$DL = 0.1102$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>56</sup>Fe [He] ISTD: <sup>45</sup>Sc [He]**

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 3000.36     | 0.0384    | P   | 2.2 |
| 2 | <input type="checkbox"/> | 50.000    | 48.216     | 35286.40    | 0.4410    | P   | 1.4 |
| 3 | <input type="checkbox"/> | 2500.000  | 2629.969   | 1727061.35  | 21.9992   | A   | 3.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6499.064   | 4289105.33  | 54.3069   | A   | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12703.917  | 8493490.18  | 106.1186  | A   | 1.0 |
| 6 | <input type="checkbox"/> | 25000.000 | 25777.627  | 17222660.11 | 215.2866  | A   | 1.6 |
| 7 | <input type="checkbox"/> | 50000.000 | 51816.709  | 33659063.48 | 432.7179  | A   | 3.5 |
| 8 | <input type="checkbox"/> | 250000.00 | 249541.17  | 159257453.5 | 2,083.755 | A   | 1.1 |

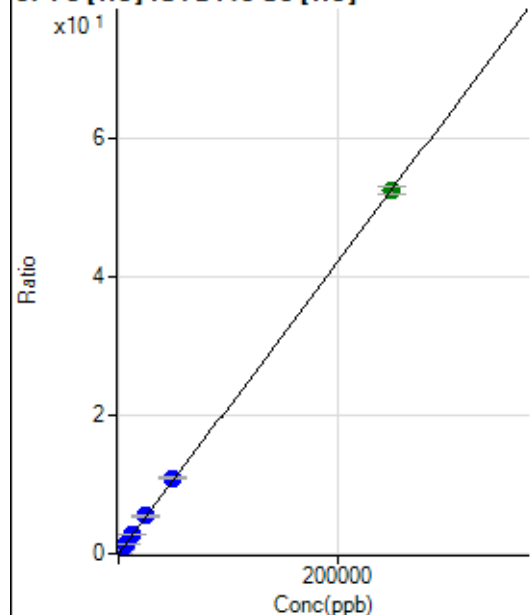
$$y = 0.0084 * x + 0.0384$$

$$R = 1.0000$$

$$DL = 0.3074$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 135.19     | 0.0017  | P   | 19.7 |
| 2 | <input type="checkbox"/> | 50.000    | 48.596     | 955.60     | 0.0119  | P   | 4.2  |
| 3 | <input type="checkbox"/> | 2500.000  | 2596.961   | 42962.98   | 0.5473  | P   | 3.7  |
| 4 | <input type="checkbox"/> | 6250.000  | 6543.721   | 108709.03  | 1.3764  | P   | 0.5  |
| 5 | <input type="checkbox"/> | 12500.000 | 12784.113  | 215104.92  | 2.6874  | P   | 0.4  |
| 6 | <input type="checkbox"/> | 25000.000 | 25858.390  | 434712.56  | 5.4340  | P   | 1.4  |
| 7 | <input type="checkbox"/> | 50000.000 | 51891.531  | 848092.66  | 10.9030 | P   | 3.5  |
| 8 | <input type="checkbox"/> | 250000.00 | 249513.33  | 4006271.88 | 52.4189 | A   | 2.0  |

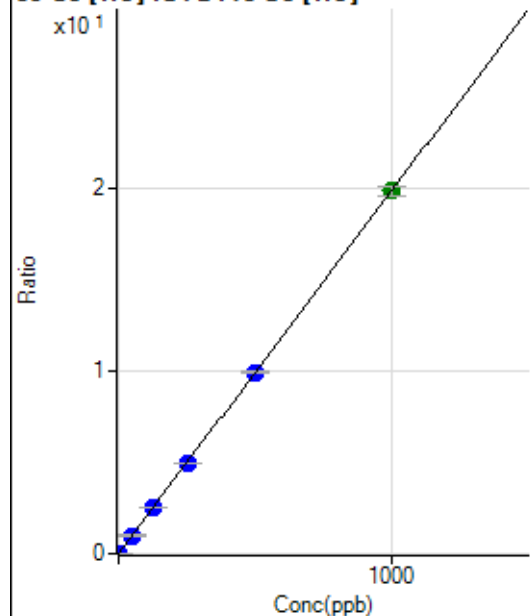
$$y = 2.1008\text{E-}004 * x + 0.0017$$

$$R = 1.0000$$

$$DL = 4.873$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 52.22      | 0.0007  | P   | 31.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.927      | 1524.54    | 0.0191  | P   | 3.6  |
| 3 | <input type="checkbox"/> | 50.000   | 50.111     | 78117.15   | 0.9949  | P   | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 126.929    | 198949.28  | 2.5190  | P   | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 248.377    | 394485.52  | 4.9287  | P   | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 499.978    | 793626.29  | 9.9206  | P   | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.170   | 1543808.80 | 19.8448 | A   | 2.8  |
| 8 | <input type="checkbox"/> |          |            | 5962.41    | 0.0780  | P   | 1.1  |

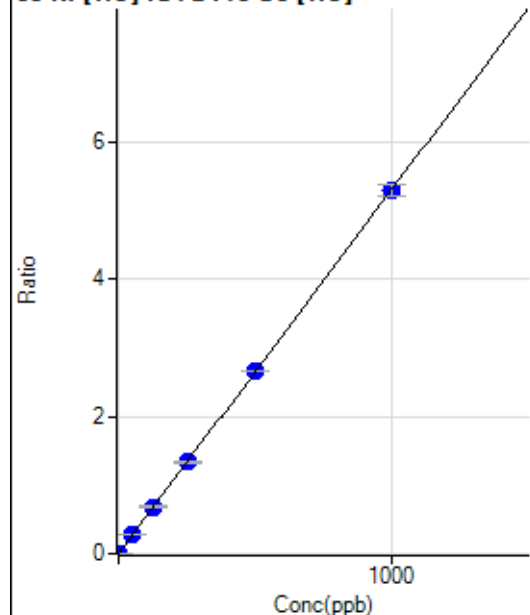
$$y = 0.0198 * x + 6.6804\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.03179$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 157.78    | 0.0020 | P   | 20.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.937      | 558.91    | 0.0070 | P   | 2.3  |
| 3 | <input type="checkbox"/> | 50.000   | 51.632     | 21636.53  | 0.2755 | P   | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 129.061    | 54146.97  | 0.6856 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 251.111    | 106614.66 | 1.3321 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 503.672    | 213601.82 | 2.6698 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.297    | 411066.77 | 5.2843 | P   | 3.1  |
| 8 | <input type="checkbox"/> |          |            | 3820.55   | 0.0500 | P   | 4.0  |

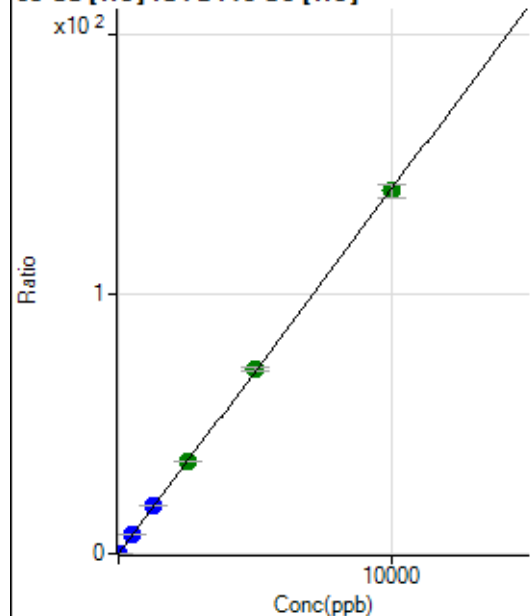
$$y = 0.0053 * x + 0.0020$$

$$R = 1.0000$$

$$DL = 0.2363$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 588.91      | 0.0075   | P   | 5.4 |
| 2 | <input type="checkbox"/> | 2.000     | 1.956      | 2802.52     | 0.0350   | P   | 4.9 |
| 3 | <input type="checkbox"/> | 500.000   | 514.852    | 568928.15   | 7.2464   | P   | 2.8 |
| 4 | <input type="checkbox"/> | 1250.000  | 1300.086   | 1444260.17  | 18.2869  | P   | 0.5 |
| 5 | <input type="checkbox"/> | 2500.000  | 2531.748   | 2849744.89  | 35.6043  | A   | 0.6 |
| 6 | <input type="checkbox"/> | 5000.000  | 5070.537   | 5703741.44  | 71.3000  | A   | 1.6 |
| 7 | <input type="checkbox"/> | 10000.000 | 9949.791   | 10881972.20 | 139.9030 | A   | 3.8 |
| 8 | <input type="checkbox"/> |           |            | 29157.76    | 0.3815   | P   | 0.8 |

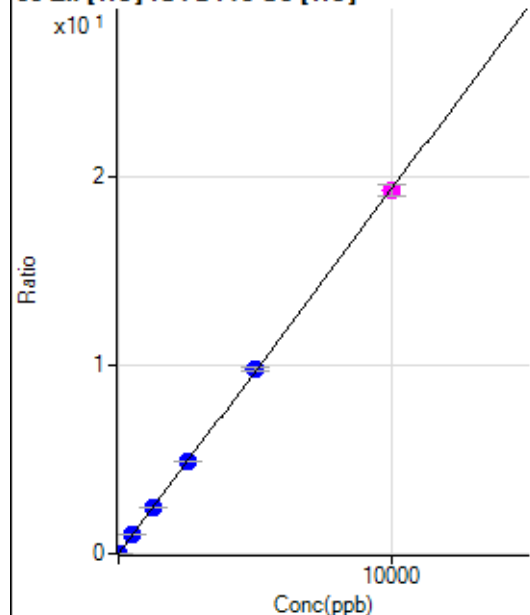
$$y = 0.0141 * x + 0.0075$$

$$R = 0.9999$$

$$DL = 0.08622$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 73.33      | 0.0009  | P   | 14.4 |
| 2 | <input type="checkbox"/> | 2.000     | 2.025      | 387.79     | 0.0049  | P   | 13.9 |
| 3 | <input type="checkbox"/> | 500.000   | 511.233    | 77630.92   | 0.9889  | P   | 3.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1287.368   | 196555.35  | 2.4887  | P   | 0.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2523.106   | 390331.68  | 4.8768  | P   | 0.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 5077.871   | 785061.45  | 9.8137  | P   | 1.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 9950.055   | 1495790.05 | 19.2291 | M   | 3.3  |
| 8 | <input type="checkbox"/> |           |            | 7138.52    | 0.0934  | P   | 2.0  |

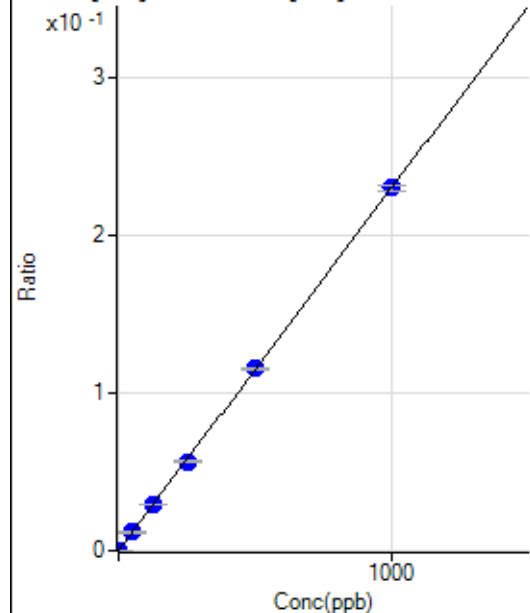
$$y = 0.0019 * x + 9.4004E-004$$

$$R = 0.9999$$

$$DL = 0.2095$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5.67      | 0.0000 | P   | 87.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.992      | 120.01    | 0.0002 | P   | 2.8  |
| 3 | <input type="checkbox"/> | 50.000   | 50.459     | 5638.04   | 0.0116 | P   | 1.7  |
| 4 | <input type="checkbox"/> | 125.000  | 126.673    | 14357.40  | 0.0291 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 245.932    | 28544.24  | 0.0565 | P   | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 501.071    | 57788.15  | 0.1151 | P   | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.250   | 111860.09 | 0.2298 | P   | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 294.70    | 0.0006 | P   | 3.7  |

$$y = 2.2969E-004 * x + 1.1665E-005$$

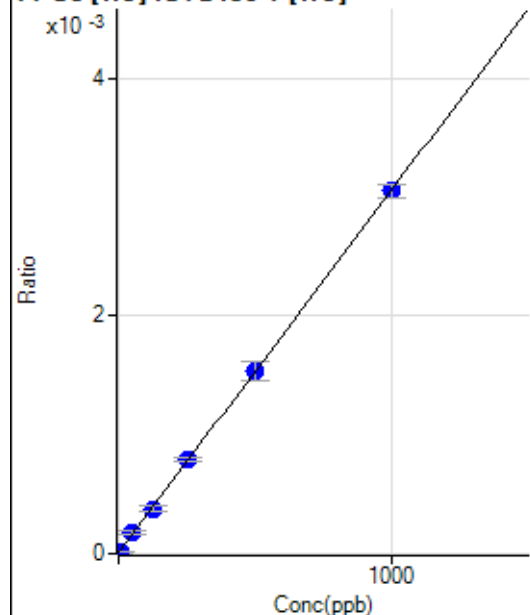
$$R = 1.0000$$

$$DL = 0.1328$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4.44    | 0.0000 | P   | 42.9 |
| 2 | <input type="checkbox"/> | 5.000    | 3.583      | 10.00   | 0.0000 | P   | 35.3 |
| 3 | <input type="checkbox"/> | 50.000   | 54.173     | 84.44   | 0.0002 | P   | 19.2 |
| 4 | <input type="checkbox"/> | 125.000  | 121.223    | 186.67  | 0.0004 | P   | 9.5  |
| 5 | <input type="checkbox"/> | 250.000  | 256.702    | 400.01  | 0.0008 | P   | 3.3  |
| 6 | <input type="checkbox"/> | 500.000  | 500.983    | 771.14  | 0.0015 | P   | 10.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 998.104    | 1485.65 | 0.0031 | P   | 4.0  |
| 8 | <input type="checkbox"/> |          |            | 4.45    | 0.0000 | P   | 86.6 |

$$y = 3.0488\text{E-}006 * x + 9.1240\text{E-}006$$

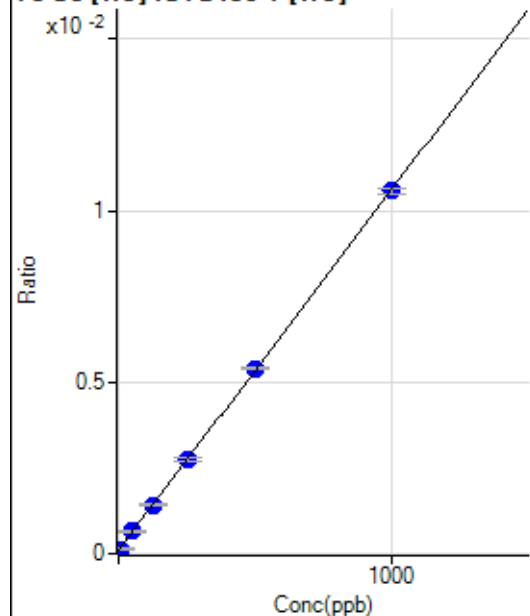
$$R = 1.0000$$

$$DL = 3.854$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.67   | 0.0001 | P   | 30.7 |
| 2 | <input type="checkbox"/> | 5.000    | 3.384      | 70.01   | 0.0001 | P   | 9.7  |
| 3 | <input type="checkbox"/> | 50.000   | 51.489     | 313.37  | 0.0006 | P   | 7.7  |
| 4 | <input type="checkbox"/> | 125.000  | 125.944    | 703.76  | 0.0014 | P   | 2.9  |
| 5 | <input type="checkbox"/> | 250.000  | 251.335    | 1385.88 | 0.0027 | P   | 4.9  |
| 6 | <input type="checkbox"/> | 500.000  | 504.391    | 2711.87 | 0.0054 | P   | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.286    | 5149.80 | 0.0106 | P   | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 56.01   | 0.0001 | P   | 11.1 |

$$y = 1.0502\text{E-}005 * x + 1.0428\text{E-}004$$

$$R = 1.0000$$

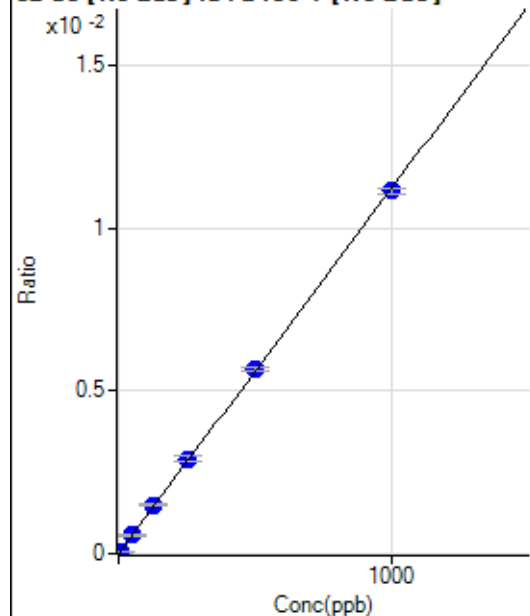
$$DL = 9.153$$

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"/> |       |            | 3190.33 |       | P        | 1.1 |
| 2 | <input type="checkbox"/> |       |            | 3203.67 |       | P        | 3.0 |
| 3 | <input type="checkbox"/> |       |            | 3377.23 |       | P        | 3.8 |
| 4 | <input type="checkbox"/> |       |            | 3163.65 |       | P        | 3.0 |
| 5 | <input type="checkbox"/> |       |            | 3146.94 |       | P        | 7.0 |
| 6 | <input type="checkbox"/> |       |            | 3046.80 |       | P        | 4.3 |
| 7 | <input type="checkbox"/> |       |            | 3183.65 |       | P        | 5.6 |
| 8 | <input type="checkbox"/> |       |            | 3570.83 |       | P        | 6.1 |

**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      | -10.04   | 0.0000 | P        | -499. |
| 2 | <input type="checkbox"/> | 5.000    | 5.555      | 264.86   | 0.0001 | P        | 6.6   |
| 3 | <input type="checkbox"/> | 50.000   | 50.697     | 2521.47  | 0.0006 | P        | 3.7   |
| 4 | <input type="checkbox"/> | 125.000  | 133.103    | 6609.83  | 0.0015 | P        | 1.8   |
| 5 | <input type="checkbox"/> | 250.000  | 260.185    | 12907.83 | 0.0029 | P        | 5.2   |
| 6 | <input type="checkbox"/> | 500.000  | 505.827    | 26326.45 | 0.0057 | P        | 1.3   |
| 7 | <input type="checkbox"/> | 1000.000 | 993.490    | 50040.16 | 0.0111 | P        | 1.3   |
| 8 | <input type="checkbox"/> |          |            | 136.75   | 0.0000 | P        | 23.6  |

$$y = 1.1225E-005 * x - 2.4186E-006$$

$$R = 0.9999$$

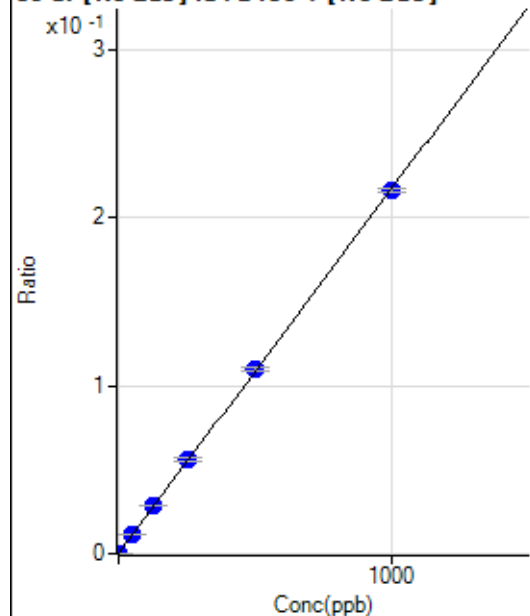
$$DL = 3.231$$

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"/> |       |            | 435.57 |       | P        | 7.4  |
| 2 | <input type="checkbox"/> |       |            | 413.35 |       | P        | 3.7  |
| 3 | <input type="checkbox"/> |       |            | 464.46 |       | P        | 3.6  |
| 4 | <input type="checkbox"/> |       |            | 424.45 |       | P        | 7.3  |
| 5 | <input type="checkbox"/> |       |            | 468.90 |       | P        | 14.8 |
| 6 | <input type="checkbox"/> |       |            | 406.68 |       | P        | 11.3 |
| 7 | <input type="checkbox"/> |       |            | 473.35 |       | P        | 11.3 |
| 8 | <input type="checkbox"/> |       |            | 423.35 |       | P        | 7.9  |

**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      | 616.70    | 0.0001 | P        | 10.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.971      | 1552.90   | 0.0004 | P        | 0.6  |
| 3 | <input type="checkbox"/> | 50.000   | 51.073     | 49917.44  | 0.0112 | P        | 2.3  |
| 4 | <input type="checkbox"/> | 125.000  | 129.475    | 125058.97 | 0.0282 | P        | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 258.833    | 248930.50 | 0.0563 | P        | 5.0  |
| 6 | <input type="checkbox"/> | 500.000  | 505.434    | 509180.15 | 0.1098 | P        | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.462    | 968609.61 | 0.2158 | P        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 8158.15   | 0.0019 | P        | 2.4  |

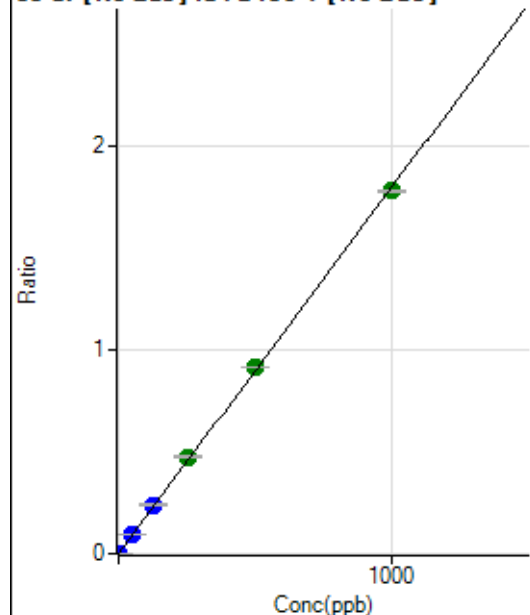
$$y = 2.1687\text{E-}004 * x + 1.4099\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.2053$$

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 | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 116.67     | 0.0000 | P   | 34.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.986      | 7924.69    | 0.0018 | P   | 2.8  |
| 3 | <input type="checkbox"/> | 50.000   | 52.016     | 415222.15  | 0.0933 | P   | 0.1  |
| 4 | <input type="checkbox"/> | 125.000  | 133.046    | 1057263.34 | 0.2386 | P   | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 264.900    | 2102024.57 | 0.4750 | A   | 3.6  |
| 6 | <input type="checkbox"/> | 500.000  | 508.403    | 4229051.88 | 0.9116 | A   | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.967    | 7974875.70 | 1.7769 | A   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 62713.35   | 0.0144 | P   | 0.5  |

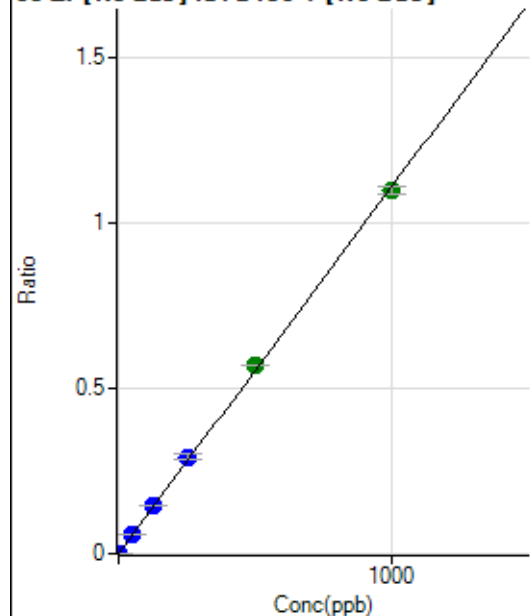
$$y = 0.0018 * x + 2.6782E-005$$

$$R = 0.9998$$

$$DL = 0.0153$$

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 | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 205.56     | 0.0000 | P   | 5.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.015      | 5178.87    | 0.0012 | P   | 3.8 |
| 3 | <input type="checkbox"/> | 50.000   | 50.797     | 250936.60  | 0.0564 | P   | 0.1 |
| 4 | <input type="checkbox"/> | 125.000  | 131.974    | 648728.04  | 0.1464 | P   | 2.0 |
| 5 | <input type="checkbox"/> | 250.000  | 263.553    | 1293170.40 | 0.2923 | P   | 4.9 |
| 6 | <input type="checkbox"/> | 500.000  | 512.621    | 2637562.80 | 0.5685 | A   | 0.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 989.389    | 4924410.40 | 1.0973 | A   | 2.0 |
| 8 | <input type="checkbox"/> |          |            | 12011.06   | 0.0028 | P   | 4.0 |

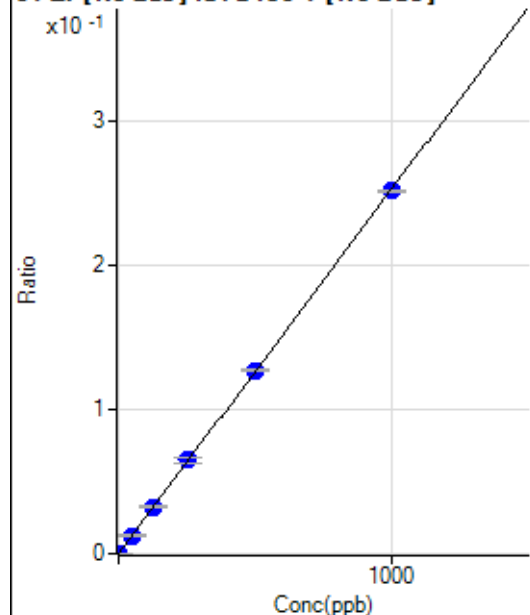
$$y = 0.0011 * x + 4.7004E-005$$

$$R = 0.9998$$

$$DL = 0.007296$$

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 | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 52.78      | 0.0000 | P   | 41.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.951      | 1116.74    | 0.0003 | P   | 16.0 |
| 3 | <input type="checkbox"/> | 50.000   | 49.789     | 56121.66   | 0.0126 | P   | 1.9  |
| 4 | <input type="checkbox"/> | 125.000  | 127.832    | 143368.38  | 0.0324 | P   | 2.6  |
| 5 | <input type="checkbox"/> | 250.000  | 256.807    | 287498.45  | 0.0650 | P   | 5.0  |
| 6 | <input type="checkbox"/> | 500.000  | 504.066    | 591674.78  | 0.1276 | P   | 1.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.922    | 1131019.60 | 0.2520 | P   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 2772.58    | 0.0006 | P   | 3.7  |

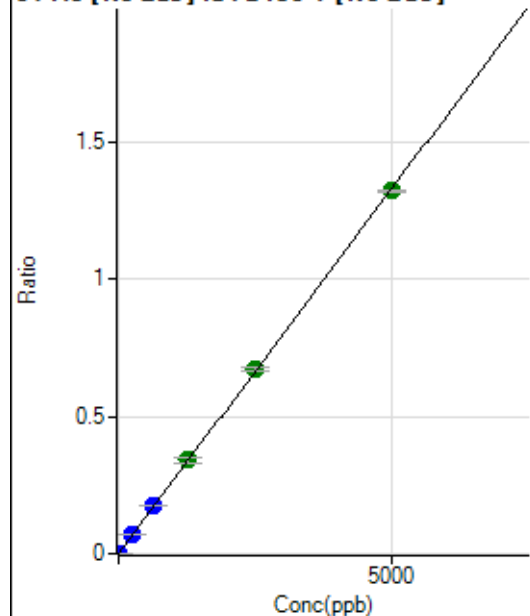
$$y = 2.5304\text{E-}004 * x + 1.2101\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.05878$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 91.67      | 0.0000 | P   | 42.0 |
| 2 | <input type="checkbox"/> | 5.000    | 4.836      | 5762.47    | 0.0013 | P   | 2.9  |
| 3 | <input type="checkbox"/> | 250.000  | 252.854    | 298816.56  | 0.0671 | P   | 1.0  |
| 4 | <input type="checkbox"/> | 625.000  | 653.129    | 768385.32  | 0.1734 | P   | 1.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1279.495   | 1502810.77 | 0.3397 | A   | 4.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2529.280   | 3114551.68 | 0.6714 | A   | 1.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 4974.328   | 5926460.81 | 1.3205 | A   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 15439.43   | 0.0035 | P   | 1.9  |

$$y = 2.6546\text{E-}004 * x + 2.1005\text{E-}005$$

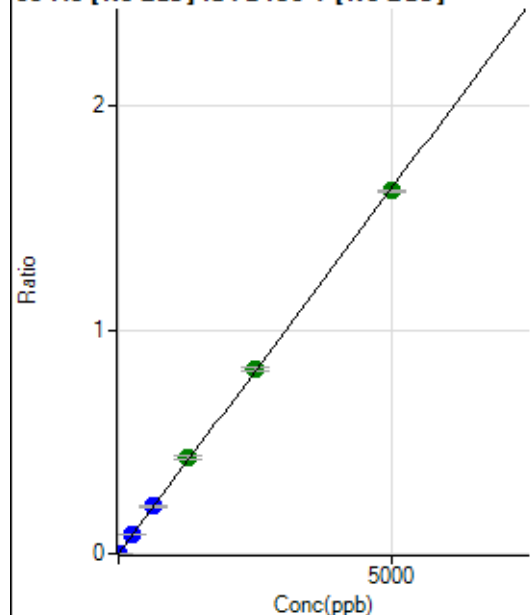
$$R = 0.9999$$

$$DL = 0.09976$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 27.78      | 0.0000 | P   | 33.6 |
| 2 | <input type="checkbox"/> | 5.000    | 4.994      | 7221.54    | 0.0016 | P   | 1.8  |
| 3 | <input type="checkbox"/> | 250.000  | 253.198    | 367490.92  | 0.0826 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 625.000  | 649.932    | 939138.63  | 0.2119 | P   | 2.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1309.336   | 1888989.26 | 0.4270 | A   | 4.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2531.234   | 3828588.02 | 0.8254 | A   | 1.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4966.273   | 7268300.60 | 1.6195 | A   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 19213.83   | 0.0044 | P   | 2.3  |

$$y = 3.2609E-004 * x + 6.3323E-006$$

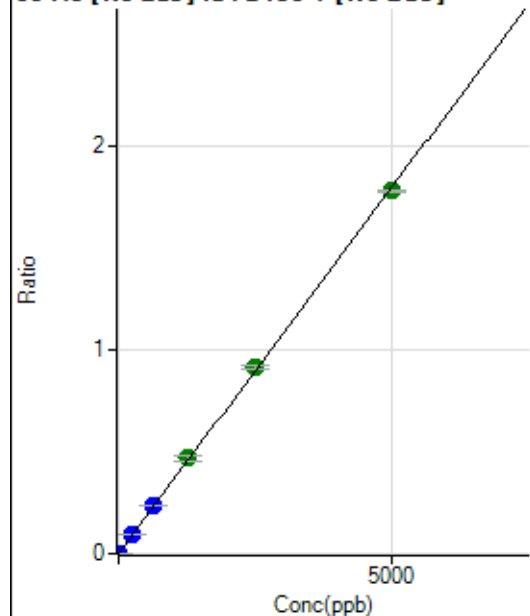
$$R = 0.9999$$

$$DL = 0.01959$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 55.55      | 0.0000 | P   | 36.3 |
| 2 | <input type="checkbox"/> | 5.000    | 4.905      | 7819.09    | 0.0018 | P   | 1.1  |
| 3 | <input type="checkbox"/> | 250.000  | 254.881    | 406484.63  | 0.0913 | P   | 1.4  |
| 4 | <input type="checkbox"/> | 625.000  | 657.340    | 1043659.91 | 0.2355 | P   | 2.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1306.804   | 2071190.15 | 0.4683 | A   | 5.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2547.141   | 4233401.09 | 0.9127 | A   | 1.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4957.942   | 7972648.10 | 1.7765 | A   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 21714.76   | 0.0050 | P   | 0.6  |

$$y = 3.5831E-004 * x + 1.2653E-005$$

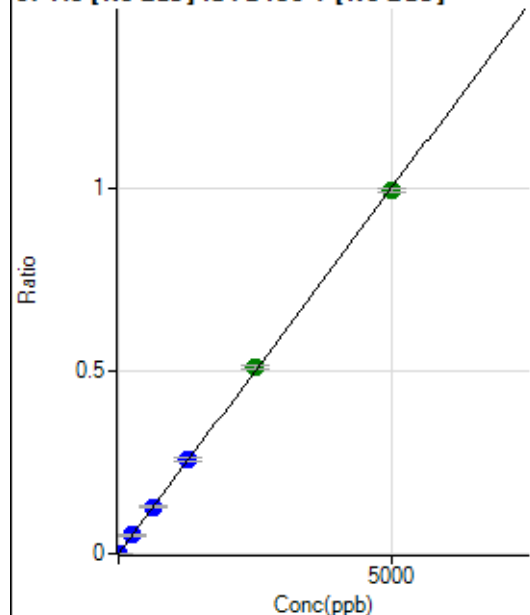
$$R = 0.9998$$

$$DL = 0.03846$$

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      | 5.56       | 0.0000 | P    | 173.2 |
| 2 | <input type="checkbox"/> | 5.000    | 4.980      | 4417.49    | 0.0010 | P    | 10.3  |
| 3 | <input type="checkbox"/> | 250.000  | 250.352    | 223292.56  | 0.0502 | P    | 1.2   |
| 4 | <input type="checkbox"/> | 625.000  | 643.332    | 571320.72  | 0.1289 | P    | 1.8   |
| 5 | <input type="checkbox"/> | 1250.000 | 1292.989   | 1146256.29 | 0.2591 | P    | 5.1   |
| 6 | <input type="checkbox"/> | 2500.000 | 2551.199   | 2371669.61 | 0.5113 | A    | 1.5   |
| 7 | <input type="checkbox"/> | 5000.000 | 4961.344   | 4462280.31 | 0.9943 | A    | 1.1   |
| 8 | <input type="checkbox"/> |          |            | 11944.30   | 0.0027 | P    | 0.7   |

$$y = 2.0041\text{E-}004 * x + 1.2487\text{E-}006$$

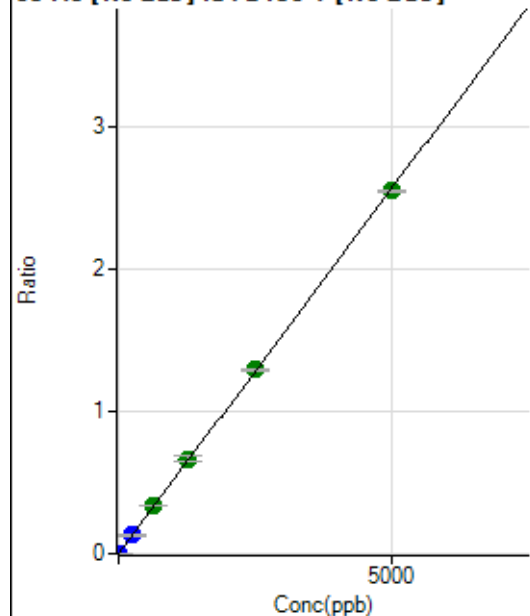
$$R = 0.9999$$

$$DL = 0.03237$$

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      | 22.22       | 0.0000 | P    | 41.6 |
| 2 | <input type="checkbox"/> | 5.000    | 5.233      | 11891.55    | 0.0027 | P    | 3.4  |
| 3 | <input type="checkbox"/> | 250.000  | 251.766    | 575219.86   | 0.1293 | P    | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 651.694    | 1482513.51  | 0.3346 | A    | 1.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1299.905   | 2951741.41  | 0.6673 | A    | 5.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2524.452   | 6012071.31  | 1.2960 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4971.872   | 11455118.57 | 2.5524 | A    | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 30536.96    | 0.0070 | P    | 0.5  |

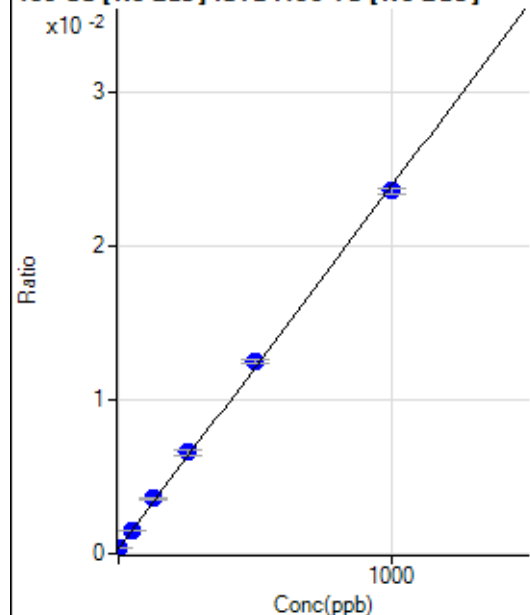
$$y = 5.1337\text{E-}004 * x + 5.0607\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.01229$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 988.95   | 0.0003 | P   | 8.5  |
| 2 | <input type="checkbox"/> | 1.000    | 2.197      | 1144.52  | 0.0004 | P   | 7.9  |
| 3 | <input type="checkbox"/> | 50.000   | 49.212     | 4467.50  | 0.0015 | P   | 5.6  |
| 4 | <input type="checkbox"/> | 125.000  | 138.536    | 10596.01 | 0.0036 | P   | 4.3  |
| 5 | <input type="checkbox"/> | 250.000  | 264.749    | 19622.69 | 0.0066 | P   | 4.7  |
| 6 | <input type="checkbox"/> | 500.000  | 516.444    | 38744.07 | 0.0125 | P   | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 986.437    | 71524.32 | 0.0236 | P   | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 1272.31  | 0.0004 | P   | 10.1 |

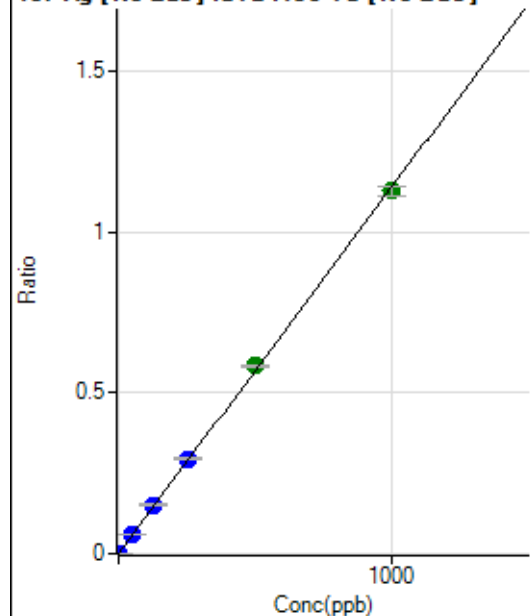
$$y = 2.3603\text{E-}005 * x + 3.3607\text{E-}004$$

$$R = 0.9996$$

$$DL = 3.627$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 55.56      | 0.0000 | P   | 24.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.968      | 3308.82    | 0.0011 | P   | 8.6  |
| 3 | <input type="checkbox"/> | 50.000   | 50.500     | 171754.97  | 0.0576 | P   | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 132.601    | 444103.25  | 0.1511 | P   | 2.6  |
| 5 | <input type="checkbox"/> | 250.000  | 259.202    | 880363.75  | 0.2954 | P   | 3.4  |
| 6 | <input type="checkbox"/> | 500.000  | 512.721    | 1807368.79 | 0.5843 | A   | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.364    | 3417384.84 | 1.1286 | A   | 3.0  |
| 8 | <input type="checkbox"/> |          |            | 8894.72    | 0.0030 | P   | 2.1  |

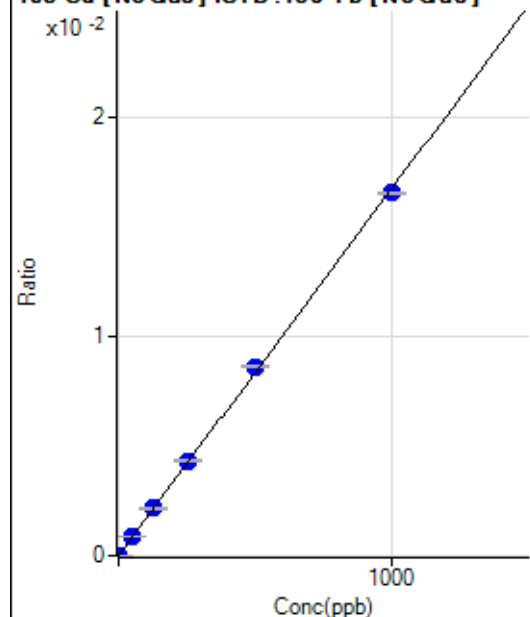
$$y = 0.0011 * x + 1.8978\text{E-}005$$

$$R = 0.9998$$

$$DL = 0.01221$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 9.72     | 0.0000 | P   | 90.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.759      | 47.22    | 0.0000 | P   | 37.8 |
| 3 | <input type="checkbox"/> | 50.000   | 52.369     | 2626.68  | 0.0009 | P   | 5.9  |
| 4 | <input type="checkbox"/> | 125.000  | 129.406    | 6379.33  | 0.0022 | P   | 4.5  |
| 5 | <input type="checkbox"/> | 250.000  | 258.767    | 12928.41 | 0.0043 | P   | 3.3  |
| 6 | <input type="checkbox"/> | 500.000  | 515.318    | 26709.27 | 0.0086 | P   | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.480    | 50206.15 | 0.0166 | P   | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 181.95   | 0.0001 | P   | 15.6 |

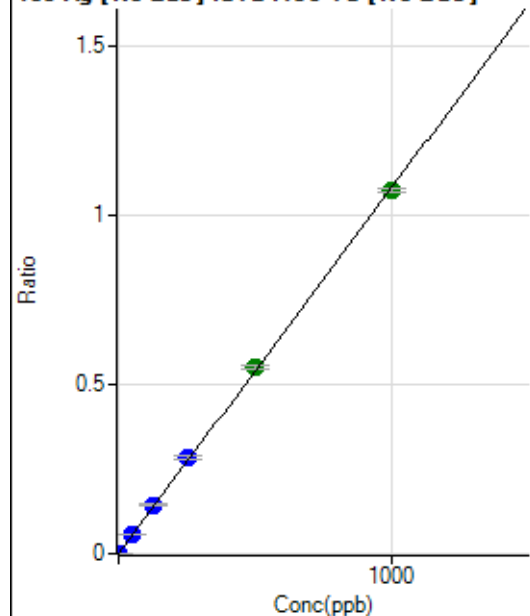
$$y = 1.6751E-005 * x + 3.3268E-006$$

$$R = 0.9998$$

$$DL = 0.5384$$

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      | 41.67      | 0.0000 | P   | 55.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.984      | 3175.45    | 0.0011 | P   | 1.9  |
| 3 | <input type="checkbox"/> | 50.000   | 50.476     | 162543.77  | 0.0545 | P   | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 133.047    | 421972.71  | 0.1436 | P   | 2.0  |
| 5 | <input type="checkbox"/> | 250.000  | 260.830    | 838624.30  | 0.2815 | P   | 4.4  |
| 6 | <input type="checkbox"/> | 500.000  | 508.794    | 1698126.35 | 0.5490 | A   | 2.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.866    | 3241245.91 | 1.0703 | A   | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 8258.28    | 0.0028 | P   | 2.2  |

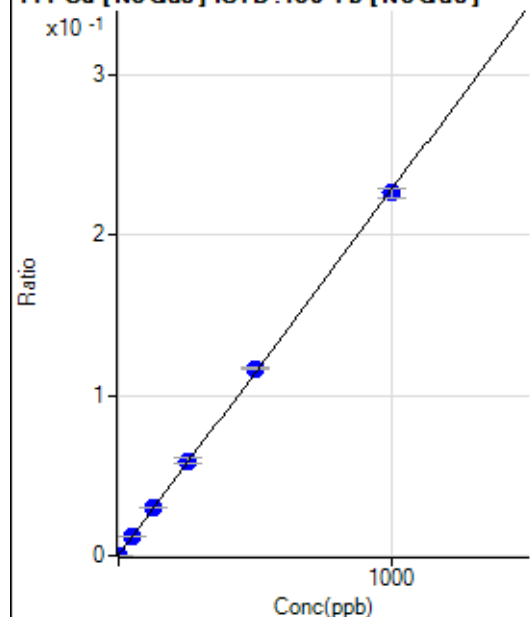
$$y = 0.0011 * x + 1.4305E-005$$

$$R = 0.9999$$

$$DL = 0.02214$$

Weight: &lt;None&gt;

Min Conc: 0

**111 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      | 692.41    | 0.0002 | P   | 9.3  |
| 2 | <input type="checkbox"/> | 1.000    | 1.009      | 1372.30   | 0.0005 | P   | 10.4 |
| 3 | <input type="checkbox"/> | 50.000   | 50.010     | 34719.50  | 0.0116 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 131.300    | 88654.91  | 0.0302 | P   | 2.5  |
| 5 | <input type="checkbox"/> | 250.000  | 259.035    | 176641.54 | 0.0593 | P   | 4.7  |
| 6 | <input type="checkbox"/> | 500.000  | 510.707    | 360863.42 | 0.1167 | P   | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.599    | 685206.66 | 0.2263 | P   | 2.8  |
| 8 | <input type="checkbox"/> |          |            | 2496.72   | 0.0008 | P   | 7.2  |

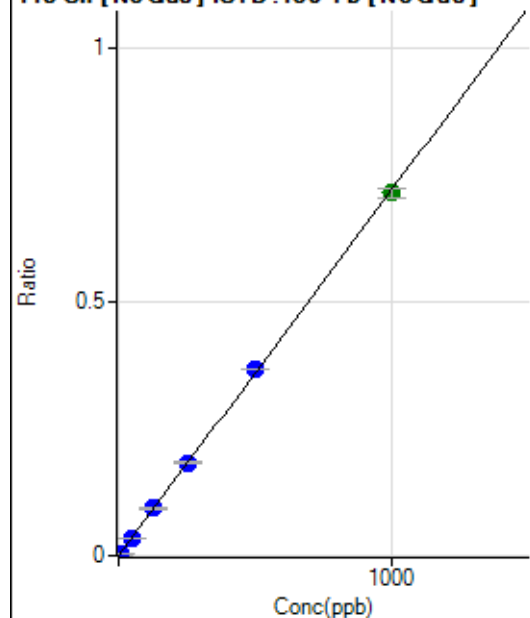
$$y = 2.2798\text{E-}004 * x + 2.3526\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.2867$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 238.90     | 0.0001 | P   | 15.7 |
| 2 | <input type="checkbox"/> | 5.000    | 4.828      | 10473.74   | 0.0036 | P   | 0.5  |
| 3 | <input type="checkbox"/> | 50.000   | 49.218     | 105762.39  | 0.0354 | P   | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 130.218    | 275187.83  | 0.0937 | P   | 3.1  |
| 5 | <input type="checkbox"/> | 250.000  | 255.022    | 546409.66  | 0.1833 | P   | 3.2  |
| 6 | <input type="checkbox"/> | 500.000  | 511.094    | 1136309.15 | 0.3673 | P   | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.585    | 2159980.30 | 0.7133 | A   | 2.5  |
| 8 | <input type="checkbox"/> |          |            | 5998.71    | 0.0020 | P   | 1.3  |

$$y = 7.1858\text{E-}004 * x + 8.1427\text{E-}005$$

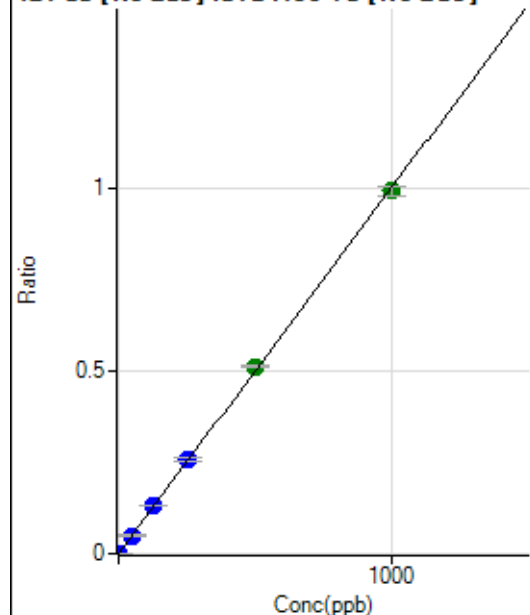
$$R = 0.9999$$

$$DL = 0.05335$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 47.22      | 0.0000 | P   | 39.7 |
| 2 | <input type="checkbox"/> | 2.000    | 1.941      | 5787.50    | 0.0020 | P   | 4.1  |
| 3 | <input type="checkbox"/> | 50.000   | 49.735     | 148863.38  | 0.0499 | P   | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 130.300    | 384060.34  | 0.1307 | P   | 2.3  |
| 5 | <input type="checkbox"/> | 250.000  | 259.511    | 775636.65  | 0.2603 | P   | 3.6  |
| 6 | <input type="checkbox"/> | 500.000  | 510.390    | 1583325.32 | 0.5119 | A   | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.778    | 3011729.80 | 0.9946 | A   | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 8900.35    | 0.0030 | P   | 5.0  |

$$y = 0.0010 * x + 1.6196E-005$$

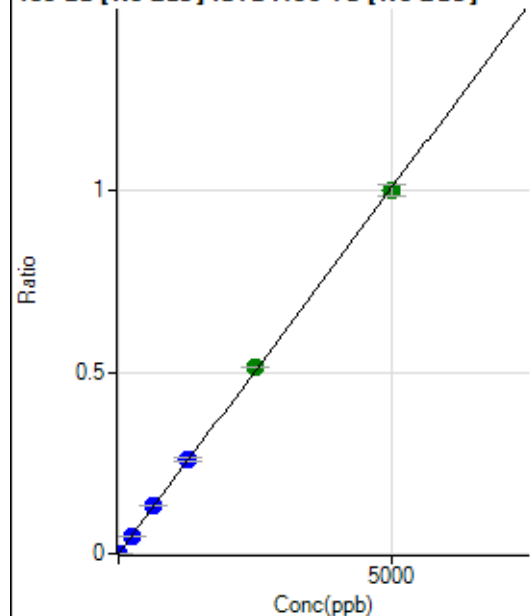
$$R = 0.9999$$

$$DL = 0.01922$$

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 | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.00      | 0.0000 | P   | 58.9 |
| 2 | <input type="checkbox"/> | 10.000   | 9.970      | 5945.94    | 0.0020 | P   | 5.5  |
| 3 | <input type="checkbox"/> | 250.000  | 248.231    | 149210.31  | 0.0500 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 625.000  | 656.146    | 388385.49  | 0.1322 | P   | 2.7  |
| 5 | <input type="checkbox"/> | 1250.000 | 1292.572   | 775901.75  | 0.2604 | P   | 3.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2547.252   | 1587073.14 | 0.5131 | A   | 0.7  |
| 7 | <input type="checkbox"/> | 5000.000 | 4961.926   | 3026099.05 | 0.9994 | A   | 3.2  |
| 8 | <input type="checkbox"/> |          |            | 12539.47   | 0.0042 | P   | 2.8  |

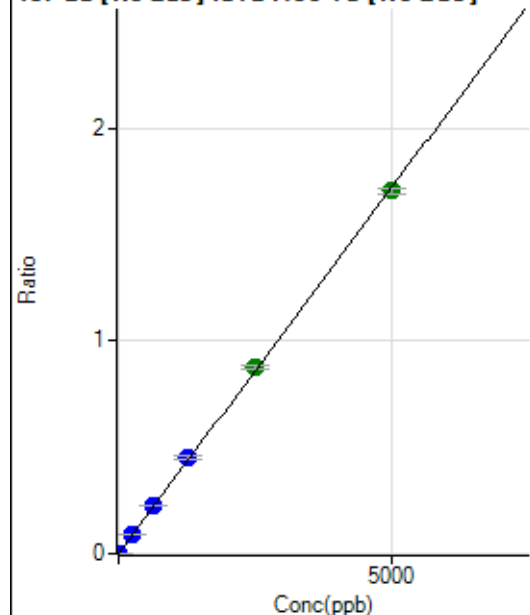
$$y = 2.0142E-004 * x + 8.5966E-006$$

$$R = 0.9999$$

$$DL = 0.0754$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.00      | 0.0000 | P    | 87.8 |
| 2 | <input type="checkbox"/> | 10.000   | 9.792      | 9956.69    | 0.0034 | P    | 1.6  |
| 3 | <input type="checkbox"/> | 250.000  | 250.763    | 257323.40  | 0.0862 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 625.000  | 663.223    | 670322.79  | 0.2281 | P    | 2.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1308.934   | 1341502.02 | 0.4502 | P    | 3.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2545.451   | 2707716.81 | 0.8754 | A    | 1.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4957.725   | 5163089.09 | 1.7050 | A    | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 21175.39   | 0.0071 | P    | 3.4  |

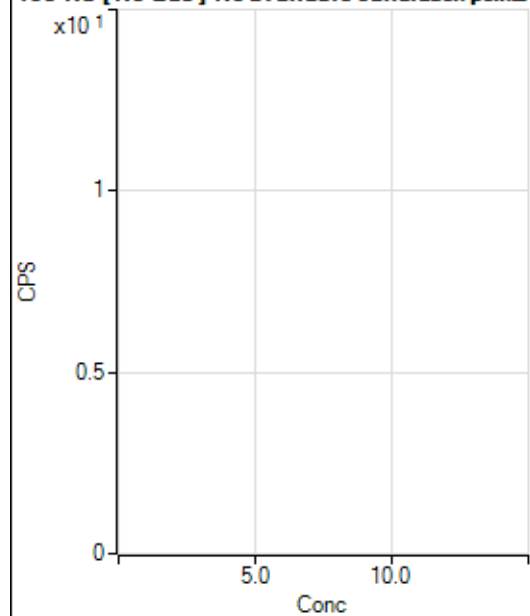
$$y = 3.4390E-004 * x + 8.6247E-006$$

$$R = 0.9998$$

$$DL = 0.06606$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det. | RSD   |
|---|--------------------------|-------|------------|--------|-------|------|-------|
| 1 | <input type="checkbox"/> |       |            | 11.11  |       | P    | 34.6  |
| 2 | <input type="checkbox"/> |       |            | 4.44   |       | P    | 173.2 |
| 3 | <input type="checkbox"/> |       |            | 26.67  |       | P    | 75.0  |
| 4 | <input type="checkbox"/> |       |            | 22.22  |       | P    | 75.5  |
| 5 | <input type="checkbox"/> |       |            | 48.89  |       | P    | 47.9  |
| 6 | <input type="checkbox"/> |       |            | 64.45  |       | P    | 23.9  |
| 7 | <input type="checkbox"/> |       |            | 188.89 |       | P    | 8.9   |
| 8 | <input type="checkbox"/> |       |            | 22.22  |       | P    | 62.4  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|-------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6  |
| 2 | <input type="checkbox"/> |       |            | 0.00  |       | P        |       |
| 3 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100.1 |
| 4 | <input type="checkbox"/> |       |            | 0.00  |       | P        |       |
| 5 | <input type="checkbox"/> |       |            | 4.45  |       | P        | 86.6  |
| 6 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 0.0   |
| 7 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 33.3  |
| 8 | <input type="checkbox"/> |       |            | 6.66  |       | P        | 86.6  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 100.0 |
| 2 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 43.3  |
| 3 | <input type="checkbox"/> |       |            | 19.45  |       | P        | 24.7  |
| 4 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 96.4  |
| 5 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 25.0  |
| 6 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 37.5  |
| 7 | <input type="checkbox"/> |       |            | 75.00  |       | P        | 33.3  |
| 8 | <input type="checkbox"/> |       |            | 183.34 |       | P        | 27.6  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|-------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P        |       |
| 2 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100.1 |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173.2 |
| 4 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 91.6  |
| 5 | <input type="checkbox"/> |       |            | 5.55  |       | P        | 69.3  |
| 6 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 0.0   |
| 7 | <input type="checkbox"/> |       |            | 20.00 |       | P        | 16.7  |
| 8 | <input type="checkbox"/> |       |            | 82.22 |       | P        | 10.2  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 45.8 |
| 2 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 0.0  |
| 3 | <input type="checkbox"/> |       |            | 13.89  |       | P        | 91.6 |
| 4 | <input type="checkbox"/> |       |            | 52.78  |       | P        | 24.1 |
| 5 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 35.3 |
| 6 | <input type="checkbox"/> |       |            | 72.23  |       | P        | 17.6 |
| 7 | <input type="checkbox"/> |       |            | 80.56  |       | P        | 62.4 |
| 8 | <input type="checkbox"/> |       |            | 247.23 |       | P        | 9.7  |

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

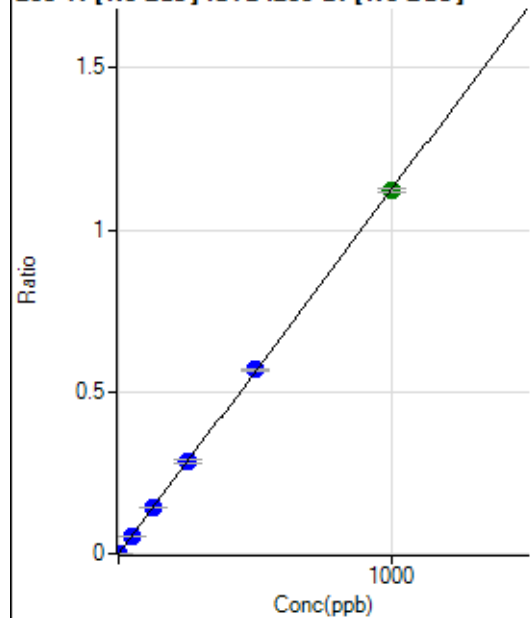
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 78.1 |
| 2 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 49.5 |
| 3 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 57.3 |
| 4 | <input type="checkbox"/> |       |            | 14.45 |       | P        | 26.7 |
| 5 | <input type="checkbox"/> |       |            | 14.45 |       | P        | 26.7 |
| 6 | <input type="checkbox"/> |       |            | 24.44 |       | P        | 20.8 |
| 7 | <input type="checkbox"/> |       |            | 28.89 |       | P        | 6.7  |
| 8 | <input type="checkbox"/> |       |            | 95.56 |       | P        | 22.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 13.89 |       | P        | 69.3 |
| 2 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 0.0  |
| 3 | <input type="checkbox"/> |       |            | 5.55  |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 88.2 |
| 5 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 34.6 |
| 6 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 12.4 |
| 7 | <input type="checkbox"/> |       |            | 52.78 |       | P        | 63.8 |
| 8 | <input type="checkbox"/> |       |            | 52.78 |       | P        | 9.1  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 24.7 |
| 2 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 43.3 |
| 3 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 25.0 |
| 4 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 50.0 |
| 5 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 24.7 |
| 6 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 88.2 |
| 7 | <input type="checkbox"/> |       |            | 15.55 |       | P        | 44.6 |
| 8 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 69.3 |

**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      | 5.55       | 0.0000 | P        | 86.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.907      | 1575.15    | 0.0010 | P        | 2.7  |
| 3 | <input type="checkbox"/> | 50.000   | 48.626     | 85576.80   | 0.0547 | P        | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 126.080    | 219565.00  | 0.1417 | P        | 0.6  |
| 5 | <input type="checkbox"/> | 250.000  | 253.779    | 446169.35  | 0.2853 | P        | 4.7  |
| 6 | <input type="checkbox"/> | 500.000  | 504.976    | 924552.29  | 0.5677 | P        | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.501    | 1767728.19 | 1.1203 | A        | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 5045.57    | 0.0034 | P        | 5.7  |

$$y = 0.0011 * x + 3.6644E-006$$

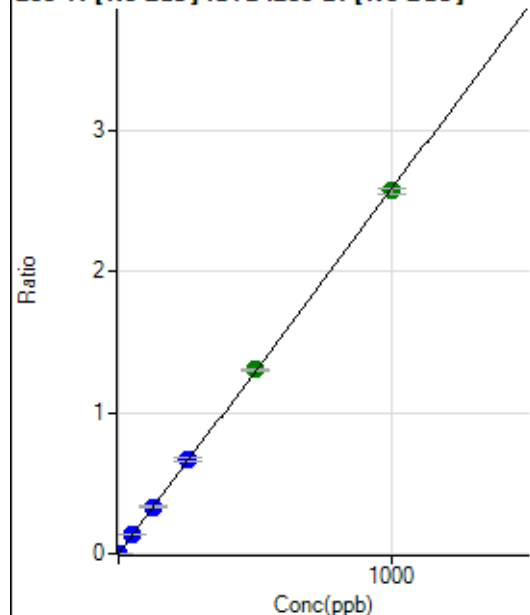
$$R = 1.0000$$

$$DL = 0.008472$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 36.11      | 0.0000 | P   | 72.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.951      | 3820.12    | 0.0025 | P   | 1.3  |
| 3 | <input type="checkbox"/> | 50.000   | 50.249     | 203248.34  | 0.1299 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 129.135    | 516857.08  | 0.3337 | P   | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 256.762    | 1037526.52 | 0.6634 | P   | 4.7  |
| 6 | <input type="checkbox"/> | 500.000  | 505.437    | 2126877.48 | 1.3059 | A   | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.061    | 4056781.26 | 2.5710 | A   | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 12092.06   | 0.0081 | P   | 2.5  |

$$y = 0.0026 * x + 2.3432E-005$$

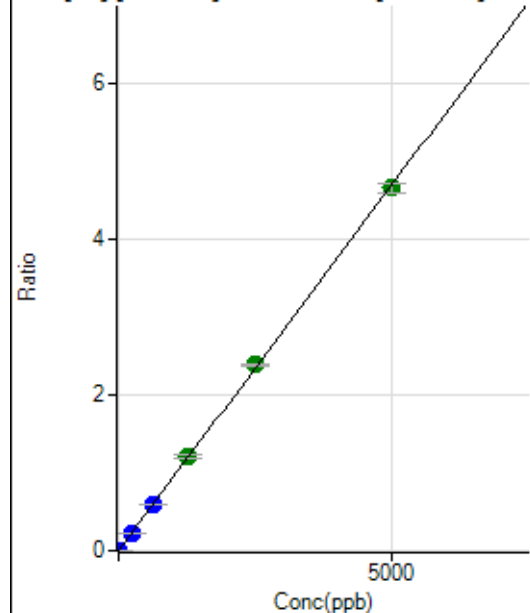
$$R = 0.9999$$

$$DL = 0.01969$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 211.12     | 0.0001 | P   | 13.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.886      | 1492.70    | 0.0010 | P   | 0.8  |
| 3 | <input type="checkbox"/> | 250.000  | 244.577    | 359619.11  | 0.2298 | P   | 0.4  |
| 4 | <input type="checkbox"/> | 625.000  | 633.209    | 921060.48  | 0.5946 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1286.036   | 1888779.44 | 1.2075 | A   | 4.1  |
| 6 | <input type="checkbox"/> | 2500.000 | 2550.135   | 3899121.79 | 2.3943 | A   | 1.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 4965.168   | 7355924.12 | 4.6616 | A   | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 22495.69   | 0.0150 | P   | 1.7  |

$$y = 9.3883E-004 * x + 1.3794E-004$$

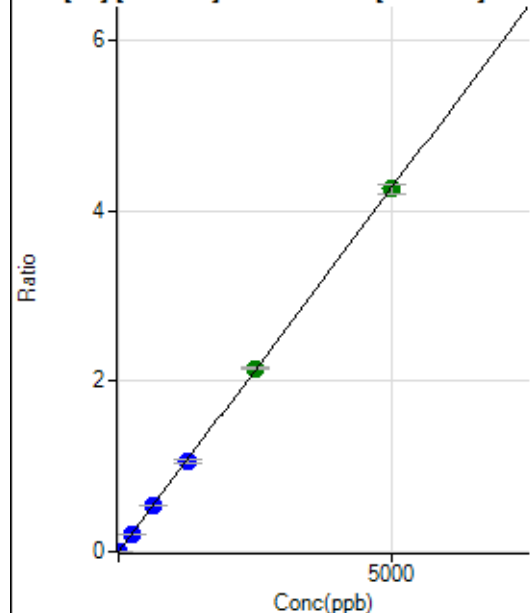
$$R = 0.9999$$

$$DL = 0.06125$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 175.93     | 0.0001 | P   | 7.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.933      | 1403.80    | 0.0009 | P   | 2.9 |
| 3 | <input type="checkbox"/> | 250.000  | 241.349    | 322770.99  | 0.2062 | P   | 1.1 |
| 4 | <input type="checkbox"/> | 625.000  | 628.321    | 831216.22  | 0.5367 | P   | 2.0 |
| 5 | <input type="checkbox"/> | 1250.000 | 1244.784   | 1662790.34 | 1.0631 | P   | 4.1 |
| 6 | <input type="checkbox"/> | 2500.000 | 2523.480   | 3509450.66 | 2.1550 | A   | 1.1 |
| 7 | <input type="checkbox"/> | 5000.000 | 4989.582   | 6723095.69 | 4.2609 | A   | 2.9 |
| 8 | <input type="checkbox"/> |          |            | 20147.34   | 0.0135 | P   | 0.4 |

$$y = 8.5393\text{E-}004 * x + 1.1481\text{E-}004$$

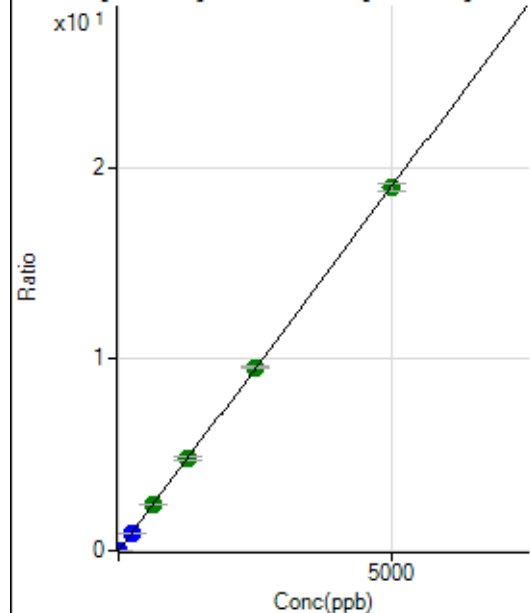
$$R = 1.0000$$

$$DL = 0.03047$$

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 | RSD |
|---|--------------------------|----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 775.95      | 0.0005  | P   | 3.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.917      | 6150.68     | 0.0040  | P   | 2.9 |
| 3 | <input type="checkbox"/> | 250.000  | 244.589    | 1456414.27  | 0.9305  | P   | 0.7 |
| 4 | <input type="checkbox"/> | 625.000  | 635.491    | 3743397.43  | 2.4168  | A   | 1.4 |
| 5 | <input type="checkbox"/> | 1250.000 | 1273.899   | 7576082.69  | 4.8441  | A   | 4.5 |
| 6 | <input type="checkbox"/> | 2500.000 | 2518.340   | 15593993.06 | 9.5758  | A   | 1.3 |
| 7 | <input type="checkbox"/> | 5000.000 | 4983.814   | 29900140.66 | 18.9500 | A   | 2.2 |
| 8 | <input type="checkbox"/> |          |            | 90485.08    | 0.0605  | P   | 0.6 |

$$y = 0.0038 * x + 5.0711\text{E-}004$$

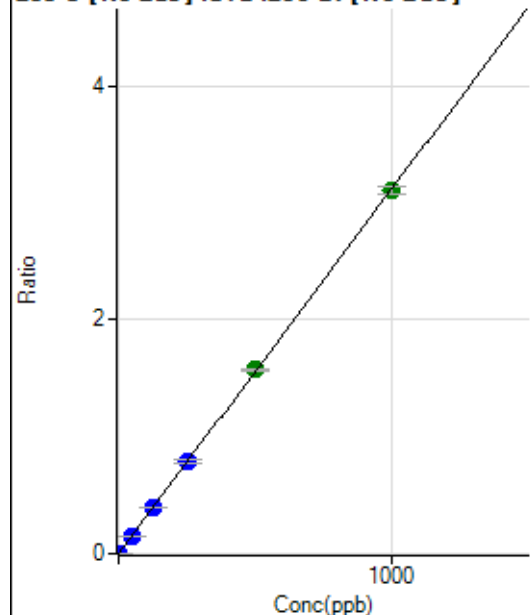
$$R = 1.0000$$

$$DL = 0.01257$$

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      | 16.67      | 0.0000 | P        | 52.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.942      | 4534.27    | 0.0029 | P        | 2.2  |
| 3 | <input type="checkbox"/> | 50.000   | 48.495     | 236392.95  | 0.1510 | P        | 1.4  |
| 4 | <input type="checkbox"/> | 125.000  | 127.797    | 616384.05  | 0.3979 | P        | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 255.003    | 1241795.35 | 0.7940 | P        | 4.8  |
| 6 | <input type="checkbox"/> | 500.000  | 505.640    | 2564342.42 | 1.5745 | A        | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.655    | 4892739.04 | 3.1003 | A        | 2.1  |
| 8 | <input type="checkbox"/> |          |            | 11547.19   | 0.0077 | P        | 0.5  |

$$y = 0.0031 * x + 1.0973E-005$$

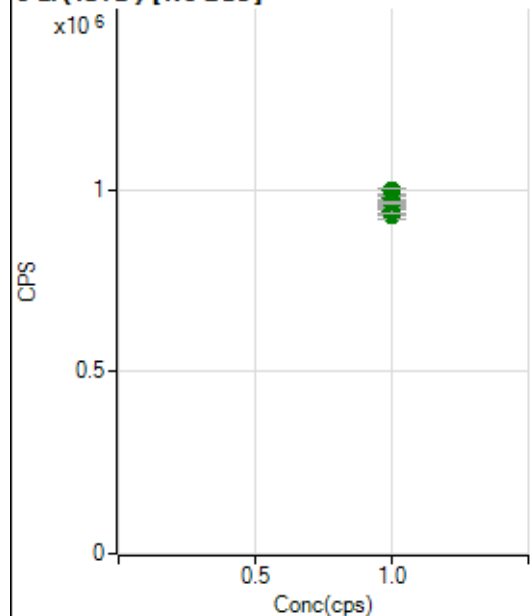
$$R = 1.0000$$

$$DL = 0.005503$$

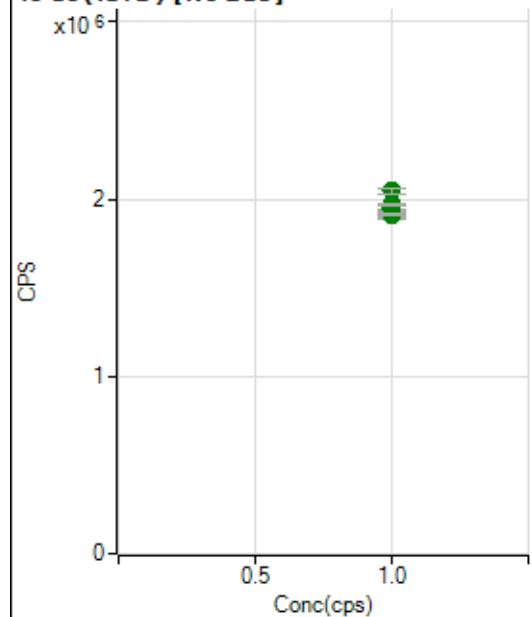
Weight: &lt;None&gt;

Min Conc: 0

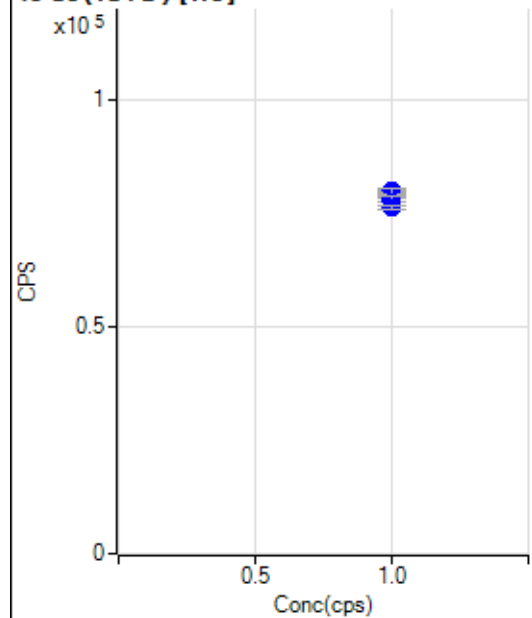
6 Li (ISTD) [No Gas]



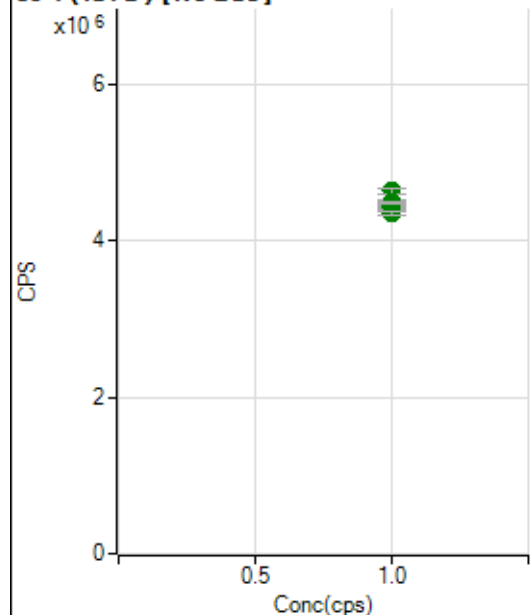
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 930009.02 |       | A        | 1.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 939335.61 |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 941800.11 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 943376.17 |       | A        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 970447.40 |       | A        | 2.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 998188.01 |       | A        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 977146.87 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 967155.25 |       | A        | 0.4 |

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

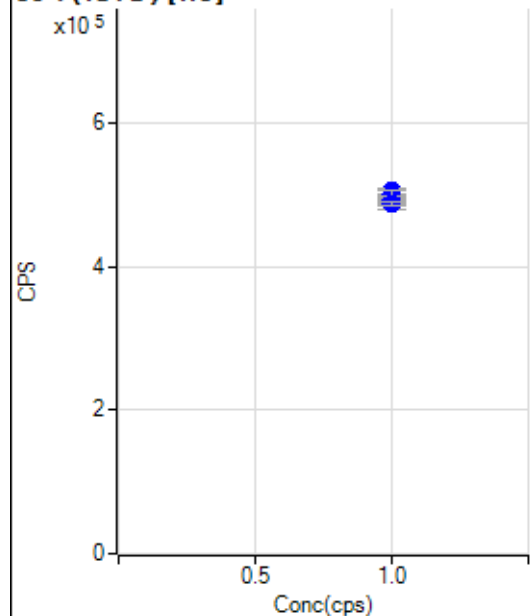
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1905159.17 |       | A        | 2.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1922258.81 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1946090.53 |       | A        | 2.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1917172.14 |       | A        | 2.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1937996.12 |       | A        | 3.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2045194.02 |       | A        | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1969046.07 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1911108.24 |       | A        | 0.3 |

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

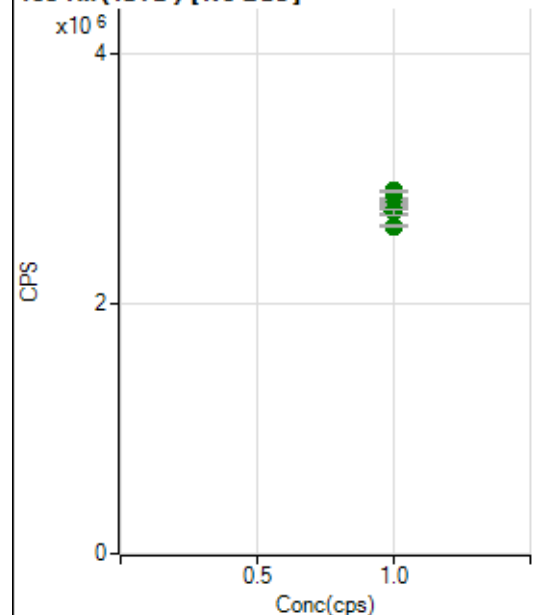
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 78060.43 |       | P        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 80018.22 |       | P        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 78548.25 |       | P        | 2.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 78978.61 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 80041.20 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 80009.74 |       | P        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 77835.06 |       | P        | 2.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 76432.89 |       | P        | 0.8 |

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

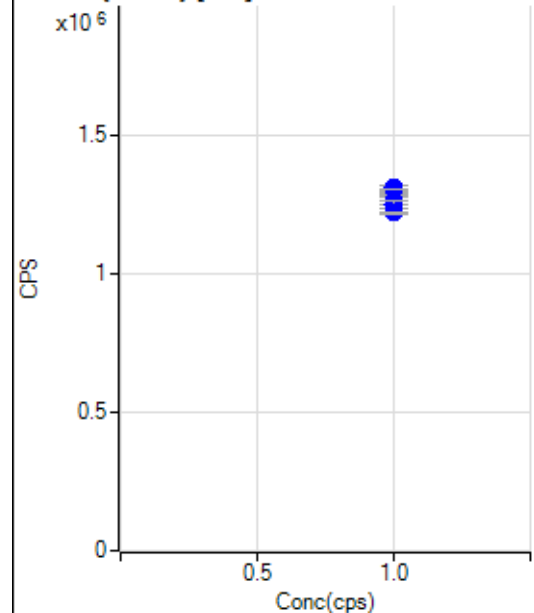
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4373008.62 |       | A        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4417192.30 |       | A        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4450634.41 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4432107.92 |       | A        | 1.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4429929.59 |       | A        | 4.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4639199.51 |       | A        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4488041.63 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4353130.01 |       | A        | 0.9 |

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

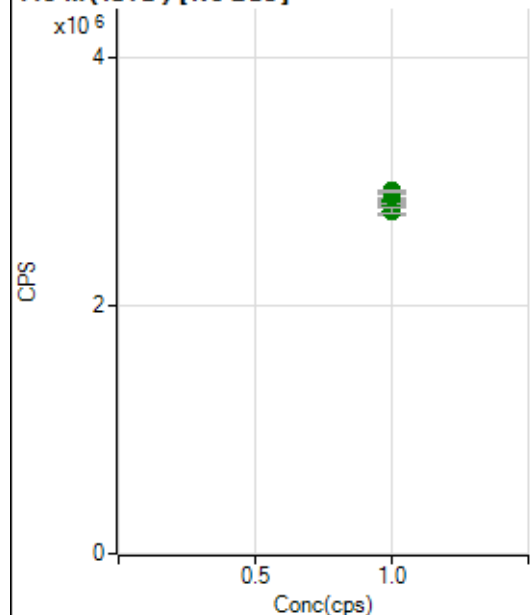
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 486407.58 |       | P        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 501417.16 |       | P        | 2.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 486088.94 |       | P        | 2.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 493330.41 |       | P        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 505282.15 |       | P        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 502101.46 |       | P        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 486920.62 |       | P        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 487108.87 |       | P        | 0.7 |

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

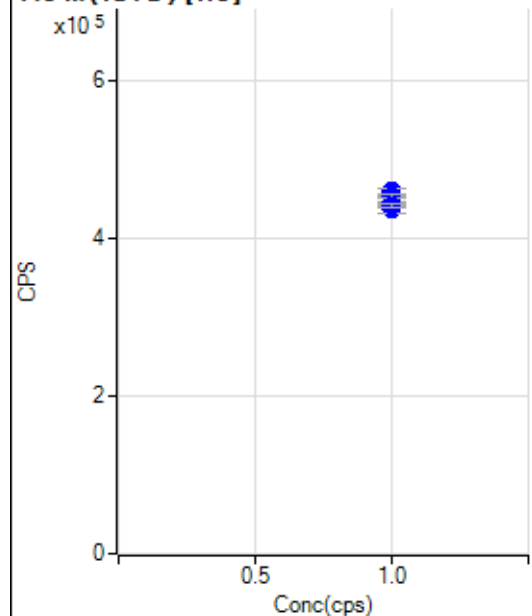
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2776925.02 |       | A        | 3.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2824750.21 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2830342.05 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2782889.25 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2749888.56 |       | A        | 2.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2904864.65 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2738315.77 |       | A        | 1.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2623132.80 |       | A        | 0.6 |

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

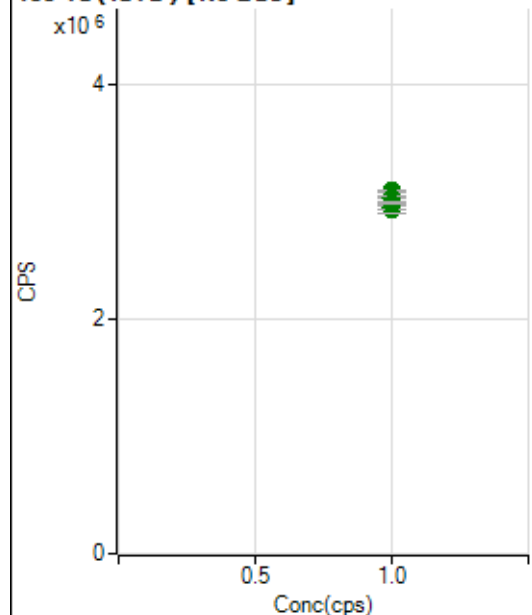
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1276815.51 |       | P        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1306600.58 |       | P        | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1265036.81 |       | P        | 2.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1286553.83 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1309119.93 |       | P        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1304268.28 |       | P        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1250597.06 |       | P        | 2.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1218115.92 |       | P        | 0.8 |

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

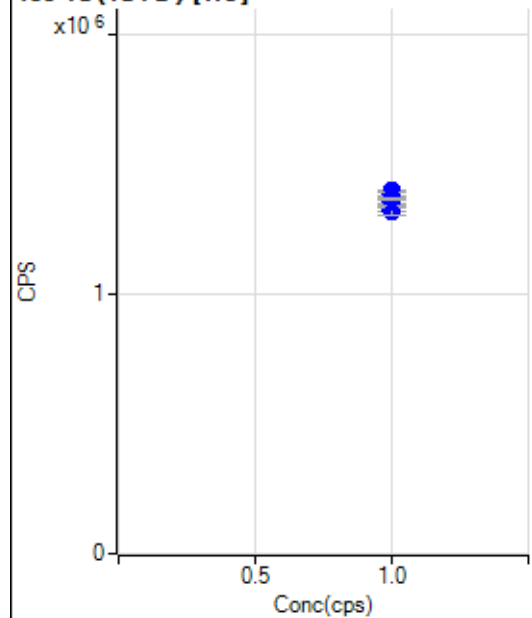
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2783989.69 |       | A        | 4.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2829662.98 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2847313.32 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2833678.18 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2849628.76 |       | A        | 3.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2925581.35 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2812076.42 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2763517.12 |       | A        | 1.5 |

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

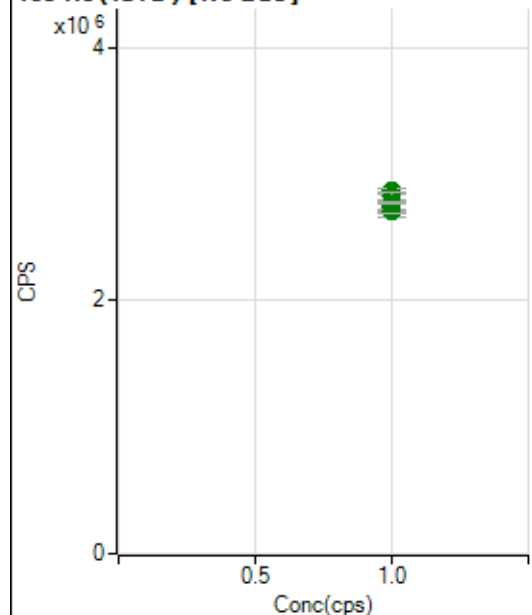
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 445946.69 |       | P        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 459892.65 |       | P        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 446163.27 |       | P        | 2.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 452908.90 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 460920.97 |       | P        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 454542.74 |       | P        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 436324.91 |       | P        | 1.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 442528.12 |       | P        | 1.1 |

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

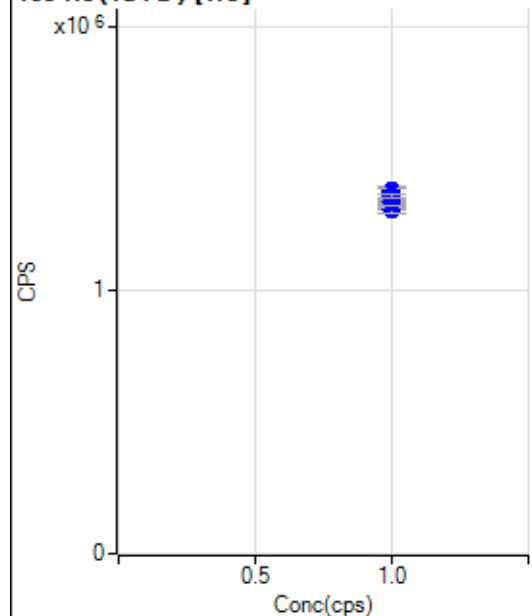
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2937811.59 |       | A        | 3.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2949584.89 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2983648.36 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2939646.03 |       | A        | 2.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2982734.05 |       | A        | 3.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3093241.34 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3028765.51 |       | A        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2990761.93 |       | A        | 0.2 |

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

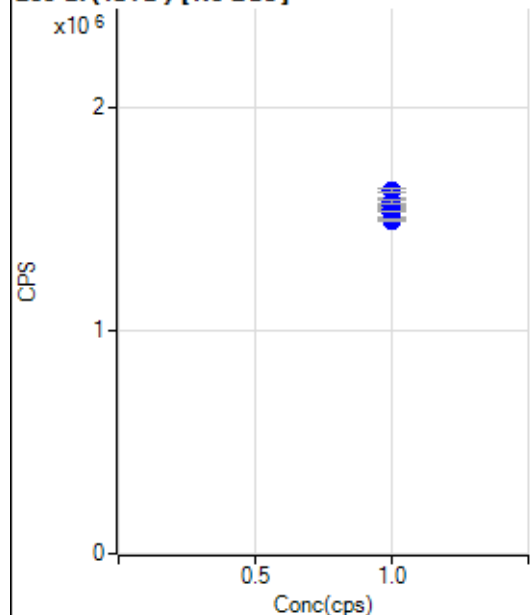
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1325909.83 |       | P        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1348965.17 |       | P        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1320169.03 |       | P        | 2.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1358921.57 |       | P        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1399047.29 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1384297.43 |       | P        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1356352.75 |       | P        | 2.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1370840.25 |       | P        | 0.5 |

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

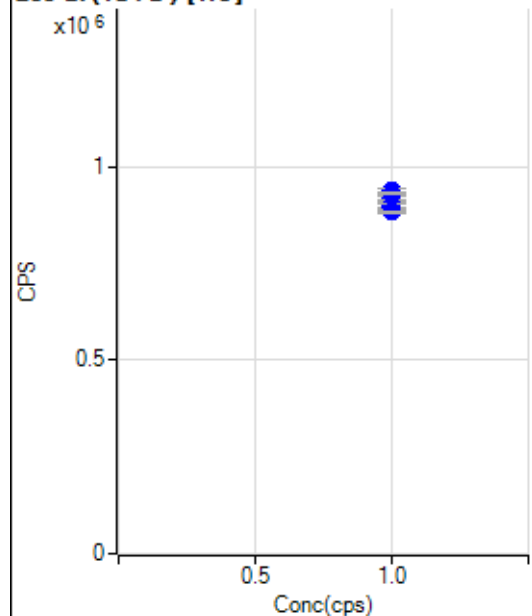
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2709713.71 |       | A        | 3.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2700616.01 |       | A        | 0.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2703521.20 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2742581.94 |       | A        | 2.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2725562.69 |       | A        | 2.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2864163.17 |       | A        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2825672.80 |       | A        | 1.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2766087.80 |       | A        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1313794.85 |       | P        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1338102.05 |       | P        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1301404.37 |       | P        | 1.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1337658.30 |       | P        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1375134.91 |       | P        | 2.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1373249.07 |       | P        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1330809.42 |       | P        | 2.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1355424.31 |       | P        | 1.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1530877.01 |       | P        | 2.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1539448.07 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1565285.10 |       | P        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1549128.73 |       | P        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1565835.41 |       | P        | 4.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1628611.40 |       | P        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1577999.01 |       | P        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1495728.54 |       | P        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 891376.79 |       | P        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 915838.92 |       | P        | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 899078.51 |       | P        | 2.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 919871.20 |       | P        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 936692.56 |       | P        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 930199.48 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 894426.47 |       | P        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 881624.47 |       | P        | 0.8 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8112120C.b  
Acq. Date-Time 2020-11-21 09:54:41  
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    |              | 2297  | 22966.34  |                            |             | 1.668  | 5.000           |
| 24   |              | 29210 | 292098.31 |                            |             | 1.271  | 5.000           |
| 25   |              | 3888  | 38880.86  |                            |             | 1.190  | 5.000           |
| 26   |              | 4464  | 44635.44  |                            |             | 1.828  | 5.000           |
| 59   |              | 15113 | 151127.47 |                            |             | 1.011  | 5.000           |
| 113  |              | 2180  | 21795.77  |                            |             | 0.761  | 5.000           |
| 115  |              | 7048  | 70484.99  |                            |             | 2.591  | 5.000           |
| 206  |              | 2065  | 20654.18  |                            |             | 2.335  | 5.000           |
| 207  |              | 1735  | 17351.08  |                            |             | 1.703  | 5.000           |
| 208  |              | 4217  | 42169.49  |                            |             | 1.992  | 5.000           |
| 220  |              | 1     | 8.50      |                            |             | 30.566 |                 |

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

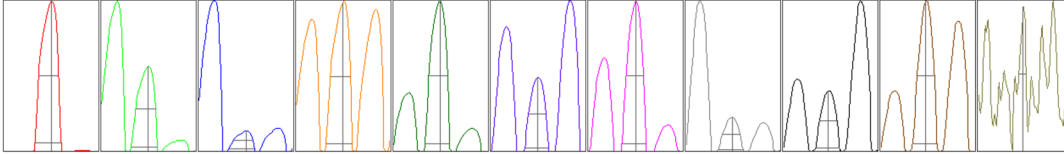
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 2335        | 2292        | 2235        | 2319        | 2302        |
| 24   | 29426       | 29129       | 28610       | 29321       | 29564       |
| 25   | 3915        | 3855        | 3824        | 3914        | 3932        |
| 26   | 4527        | 4441        | 4333        | 4488        | 4530        |
| 59   | 15282       | 15163       | 14868       | 15093       | 15158       |
| 113  | 2185        | 2172        | 2161        | 2174        | 2205        |
| 115  | 7309        | 7171        | 6889        | 6947        | 6926        |
| 206  | 2064        | 2021        | 2018        | 2094        | 2130        |
| 207  | 1727        | 1709        | 1708        | 1761        | 1771        |
| 208  | 4227        | 4146        | 4121        | 4324        | 4267        |

# 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           | 0           |

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 3921.42     | 9.05   | 8.90 - 9.10     |             |
| 24   | 49337.83    | 24.00  | 23.90 - 24.10   |             |
| 25   | 6509.71     | 25.05  | 24.90 - 25.10   |             |
| 26   | 7392.76     | 26.00  | 25.90 - 26.10   |             |
| 59   | 26990.65    | 59.00  | 58.90 - 59.10   |             |
| 113  | 4137.67     | 113.00 | 112.90 - 113.10 |             |
| 115  | 13635.42    | 115.05 | 114.90 - 115.10 |             |
| 206  | 3895.36     | 206.00 | 205.90 - 206.10 |             |
| 207  | 3243.21     | 206.95 | 206.90 - 207.10 |             |
| 208  | 8132.86     | 207.95 | 207.90 - 208.10 |             |
| 220  | 1.50        | 219.95 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.63  | 0.825 | 0.900           |             |
| 24   | 0.63  | 0.826 | 0.900           |             |
| 25   | 0.61  | 0.800 | 0.900           |             |
| 26   | 0.65  | 0.828 | 0.900           |             |
| 59   | 0.59  | 0.780 | 0.900           |             |
| 113  | 0.55  | 0.737 | 0.900           |             |
| 115  | 0.54  | 0.767 | 0.900           |             |
| 206  | 0.55  | 0.779 | 0.900           |             |
| 207  | 0.55  | 0.757 | 0.900           |             |
| 208  | 0.54  | 0.771 | 0.900           |             |
| 220  | 0.23  |       |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode HMI Nebulizer Gas 0.52 L/min Dilution Gas 0.47 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    | 9.9 V | Deflect    | 14.8 V |
| Extract 2  | -240.0 V | Cell Entrance | -30 V | Plate Bias | -50 V  |
| Omega Bias | -110 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      | 190 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 0.9990 | QP Bias | -4.0 V |
| Mass Offset | 123 | Axis Offset | 0.00   |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 0.9 mm | Torch V | -0.2 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.9 mV | Analog HV | 2180 V | Pulse HV | 1331 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS      | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 3376  | 33761.32 |                            |             | 3.738 |                 |
| 89   |              | 7569  | 75691.89 |                            |             | 4.095 |                 |
| 205  |              | 5274  | 52735.40 |                            |             | 2.567 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 3152        | 3432        | 3441        | 3409        | 3447        |
| 89   | 7023        | 7800        | 7664        | 7670        | 7688        |
| 205  | 5058        | 5405        | 5371        | 5275        | 5259        |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |         |                |            |               |            |
|--------------|---------|----------------|------------|---------------|------------|
| Plasma Mode  | HMI     | Nebulizer Gas  | 0.52 L/min | Dilution Gas  | 0.47 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 | 9.9 V | Deflect | 4.6 V |
|-----------|--------|------------|-------|---------|-------|

# US EPA Tune Check Report

|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -240.0 V   | Cell Entrance | -50 V   | Plate Bias            | -60 V   |
| Omega Bias               | -110 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                | 123        | Axis Gain     | 0.9990  | QP Bias               | -13.0 V |
| Mass Offset              | 123        | Axis Offset   | 0.00    |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | 0.9 mm     | Torch V       | -0.2 mm |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 3.9 mV     | Analog HV     | 2180 V  | Pulse HV              | 1331 V  |