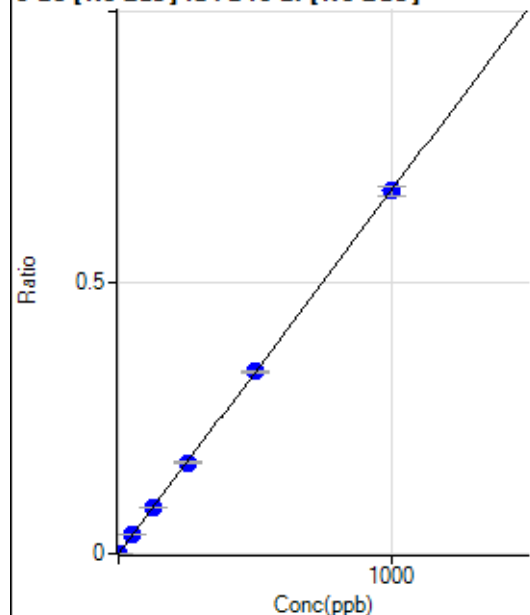


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8110320IMS.b\  
Analysis File: P8110320IMS.batch.bin  
DA Date-Time: 2020-11-03 23:21:24  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2020-11-03 11:39:53 |
| 2     | 004CALS.d          | S02         | 2020-11-03 11:43:05 |
| 3     | 005CALS.d          | S03         | 2020-11-03 11:46:14 |
| 4     | 006CALS.d          | S04         | 2020-11-03 11:49:25 |
| 5     | 007CALS.d          | S05         | 2020-11-03 11:52:29 |
| 6     | 008CALS.d          | S06         | 2020-11-03 11:55:30 |
| 7     | 009CALS.d          | S07         | 2020-11-03 11:58:28 |
| 8     | 010CALS.d          | S08         | 2020-11-03 12:01:29 |

9 Be [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      | 69.99     | 0.0001 | P   | 31.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.026      | 800.53    | 0.0008 | P   | 1.1  |
| 3 | <input type="checkbox"/> | 50.000   | 51.411     | 36279.81  | 0.0345 | P   | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 127.818    | 91400.03  | 0.0857 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 250.967    | 181651.36 | 0.1682 | P   | 1.8  |
| 6 | <input type="checkbox"/> | 500.000  | 501.327    | 362795.85 | 0.3359 | P   | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.672    | 717577.19 | 0.6691 | P   | 2.7  |
| 8 | <input type="checkbox"/> |          |            | 384.60    | 0.0003 | P   | 11.6 |

$$y = 6.6995E-004 * x + 6.6157E-005$$

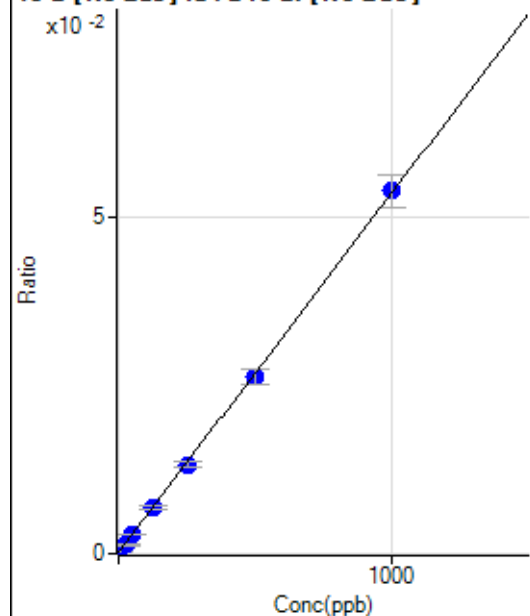
$$R = 1.0000$$

$$DL = 0.09178$$

Weight: &lt;None&gt;

Min Conc: 0

10 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      | 176.63   | 0.0002 | P   | 13.2 |
| 2 | <input type="checkbox"/> | 25.000   | 21.366     | 1389.13  | 0.0013 | P   | 7.1  |
| 3 | <input type="checkbox"/> | 50.000   | 49.648     | 2963.05  | 0.0028 | P   | 5.9  |
| 4 | <input type="checkbox"/> | 125.000  | 125.932    | 7345.74  | 0.0069 | P   | 8.7  |
| 5 | <input type="checkbox"/> | 250.000  | 244.561    | 14288.13 | 0.0132 | P   | 6.7  |
| 6 | <input type="checkbox"/> | 500.000  | 488.629    | 28334.95 | 0.0262 | P   | 8.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 1007.037   | 57786.74 | 0.0539 | P   | 8.8  |
| 8 | <input type="checkbox"/> |          |            | 9035.01  | 0.0082 | P   | 12.0 |

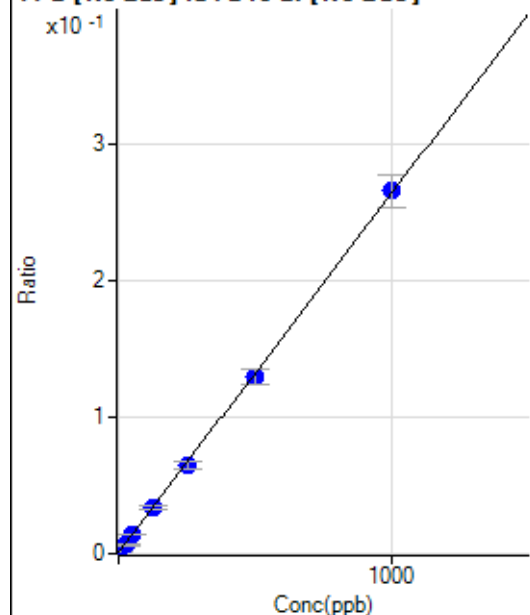
$$y = 5.3380E-005 * x + 1.6678E-004$$

$$R = 0.9999$$

$$DL = 1.239$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 799.20    | 0.0008 | P        | 1.7  |
| 2 | <input type="checkbox"/> | 25.000   | 21.439     | 6805.59   | 0.0064 | P        | 7.9  |
| 3 | <input type="checkbox"/> | 50.000   | 49.816     | 14599.71  | 0.0139 | P        | 6.7  |
| 4 | <input type="checkbox"/> | 125.000  | 124.105    | 35667.44  | 0.0335 | P        | 8.5  |
| 5 | <input type="checkbox"/> | 250.000  | 244.404    | 70399.12  | 0.0651 | P        | 7.3  |
| 6 | <input type="checkbox"/> | 500.000  | 488.798    | 139813.66 | 0.1295 | P        | 9.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 1007.210   | 285172.85 | 0.2661 | P        | 9.3  |
| 8 | <input type="checkbox"/> |          |            | 43805.16  | 0.0399 | P        | 13.2 |

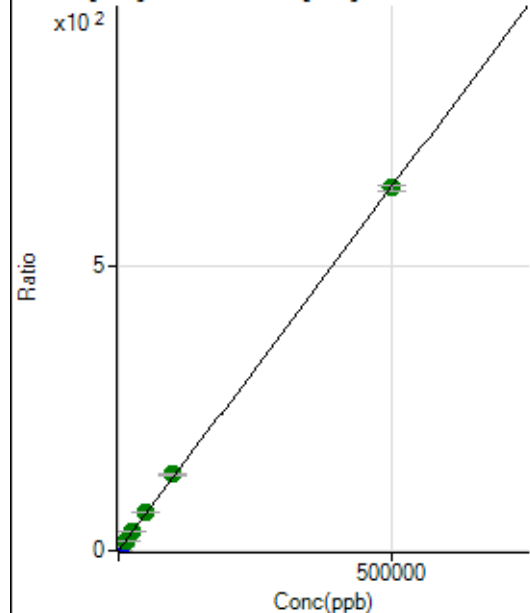
$$y = 2.6346\text{E-}004 * x + 7.5412\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.1419$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 31448.39    | 0.3757   | P        | 2.3 |
| 2 | <input type="checkbox"/> | 500.000   | 515.145    | 86679.08    | 1.0331   | P        | 0.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5146.542   | 618341.77   | 6.9429   | P        | 5.5 |
| 4 | <input type="checkbox"/> | 12500.000 | 13297.083  | 1488128.15  | 17.3434  | A        | 0.5 |
| 5 | <input type="checkbox"/> | 25000.000 | 26541.134  | 2915304.23  | 34.2433  | A        | 1.4 |
| 6 | <input type="checkbox"/> | 50000.000 | 52319.098  | 5731367.18  | 67.1370  | A        | 1.7 |
| 7 | <input type="checkbox"/> | 100000.00 | 104495.45  | 11442488.19 | 133.7162 | A        | 0.6 |
| 8 | <input type="checkbox"/> | 500000.00 | 498770.53  | 54210122.04 | 636.8273 | A        | 1.9 |

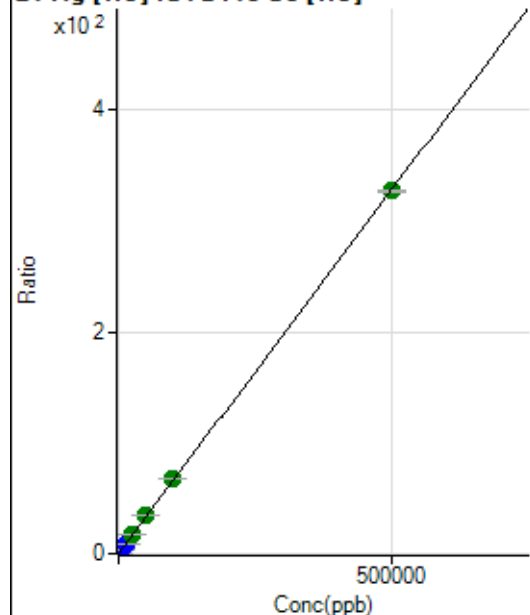
$$y = 0.0013 * x + 0.3757$$

$$R = 1.0000$$

$$DL = 20.73$$

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      | 594.48      | 0.0071   | P    | 9.6 |
| 2 | <input type="checkbox"/> | 500.000   | 521.173    | 29282.74    | 0.3491   | P    | 2.4 |
| 3 | <input type="checkbox"/> | 5000.000  | 5141.637   | 301267.97   | 3.3807   | P    | 3.8 |
| 4 | <input type="checkbox"/> | 12500.000 | 13417.091  | 755940.43   | 8.8106   | P    | 1.6 |
| 5 | <input type="checkbox"/> | 25000.000 | 26840.441  | 1499883.68  | 17.6182  | A    | 1.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 52794.280  | 2957887.33  | 34.6475  | A    | 0.6 |
| 7 | <input type="checkbox"/> | 100000.00 | 103936.87  | 5836264.93  | 68.2042  | A    | 0.5 |
| 8 | <input type="checkbox"/> | 500000.00 | 498816.81  | 27864404.09 | 327.3005 | A    | 0.8 |

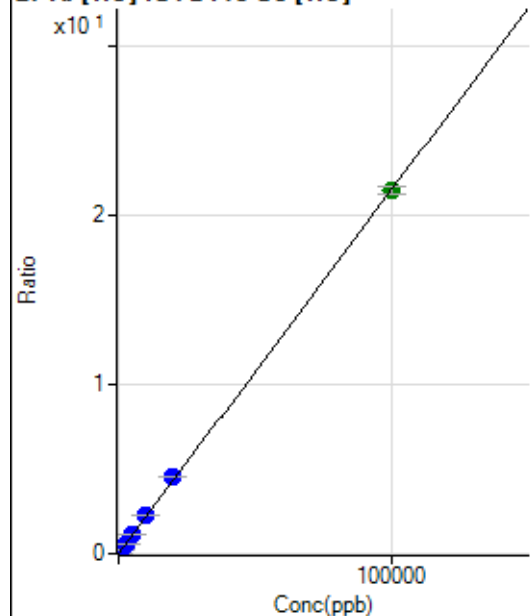
$$y = 6.5614\text{E-}004 * x + 0.0071$$

$$R = 1.0000$$

$$DL = 3.131$$

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      | 414.12     | 0.0049  | P    | 8.2 |
| 2 | <input type="checkbox"/> | 20.000    | 23.820     | 844.09     | 0.0101  | P    | 4.7 |
| 3 | <input type="checkbox"/> | 1000.000  | 993.141    | 19443.43   | 0.2184  | P    | 6.0 |
| 4 | <input type="checkbox"/> | 2500.000  | 2611.775   | 48575.09   | 0.5662  | P    | 1.4 |
| 5 | <input type="checkbox"/> | 5000.000  | 5308.273   | 97526.88   | 1.1456  | P    | 0.8 |
| 6 | <input type="checkbox"/> | 10000.000 | 10527.951  | 193543.33  | 2.2672  | P    | 0.7 |
| 7 | <input type="checkbox"/> | 20000.000 | 20998.486  | 386516.41  | 4.5170  | P    | 0.6 |
| 8 | <input type="checkbox"/> | 100000.00 | 99729.368  | 1824574.55 | 21.4345 | A    | 2.1 |

$$y = 2.1488\text{E-}004 * x + 0.0049$$

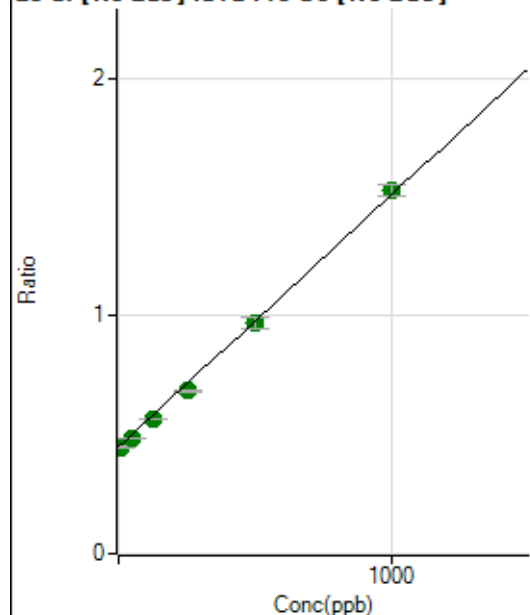
$$R = 0.9999$$

$$DL = 5.652$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 985529.84  | 0.4494 | A   | 2.0 |
| 2 | <input type="checkbox"/> | 10.000   | -0.775     | 993137.22  | 0.4486 | A   | 1.1 |
| 3 | <input type="checkbox"/> | 50.000   | 36.039     | 1082365.02 | 0.4877 | A   | 0.6 |
| 4 | <input type="checkbox"/> | 125.000  | 109.868    | 1261649.06 | 0.5660 | A   | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 222.937    | 1528118.36 | 0.6860 | A   | 1.6 |
| 6 | <input type="checkbox"/> | 500.000  | 490.028    | 2209089.05 | 0.9694 | A   | 4.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 1014.449   | 3384412.70 | 1.5259 | A   | 3.2 |
| 8 | <input type="checkbox"/> |          |            | 1500185.72 | 0.6644 | A   | 4.8 |

$$y = 0.0011 * x + 0.4494$$

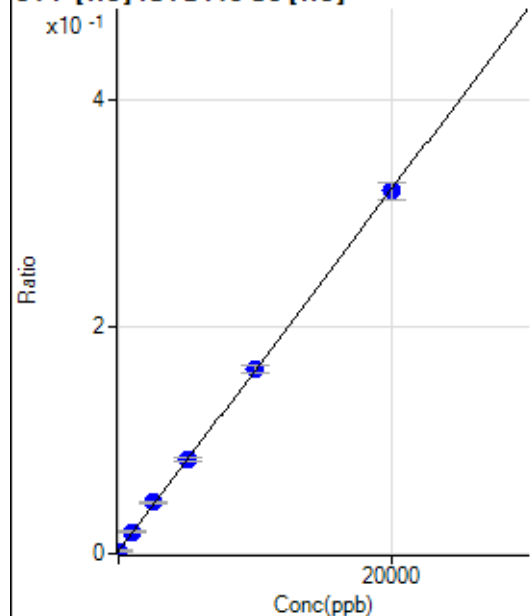
$$R = 0.9996$$

$$DL = 25.37$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | -12.118    | 166.67   | 0.0020 | P   | 15.1 |
| 2 | <input type="checkbox"/> | 0.000     | 12.118     | 200.01   | 0.0024 | P   | 14.8 |
| 3 | <input type="checkbox"/> | 1000.000  | 1074.378   | 1725.15  | 0.0193 | P   | 2.3  |
| 4 | <input type="checkbox"/> | 2500.000  | 2682.081   | 3864.51  | 0.0450 | P   | 2.1  |
| 5 | <input type="checkbox"/> | 5000.000  | 5092.231   | 7110.26  | 0.0835 | P   | 5.3  |
| 6 | <input type="checkbox"/> | 10000.000 | 10066.360  | 13912.59 | 0.1630 | P   | 4.0  |
| 7 | <input type="checkbox"/> | 20000.000 | 19917.283  | 27412.75 | 0.3204 | P   | 4.8  |
| 8 | <input type="checkbox"/> |           |            | 177.78   | 0.0021 | P   | 16.5 |

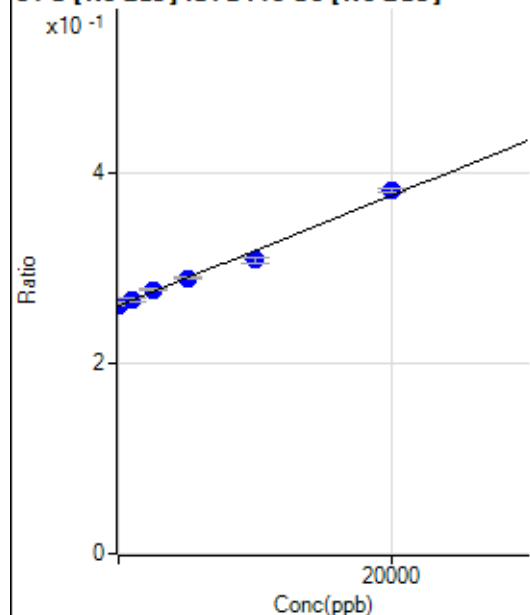
$$y = 1.5975E-005 * x + 0.0022$$

$$R = 0.9999$$

$$DL = 61.39$$

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     | -117.893   | 570214.73 | 0.2600 | P   | 1.6 |
| 2 | <input type="checkbox"/> | 0.000     | 117.893    | 578675.90 | 0.2614 | P   | 0.9 |
| 3 | <input type="checkbox"/> | 1000.000  | 962.760    | 590946.25 | 0.2663 | P   | 1.8 |
| 4 | <input type="checkbox"/> | 2500.000  | 2926.854   | 618798.83 | 0.2776 | P   | 0.7 |
| 5 | <input type="checkbox"/> | 5000.000  | 4969.834   | 644709.84 | 0.2894 | P   | 0.4 |
| 6 | <input type="checkbox"/> | 10000.000 | 8275.605   | 703272.10 | 0.3085 | P   | 2.0 |
| 7 | <input type="checkbox"/> | 20000.000 | 20818.244  | 845008.07 | 0.3810 | P   | 1.0 |
| 8 | <input type="checkbox"/> |           |            | 557757.75 | 0.2470 | P   | 1.2 |

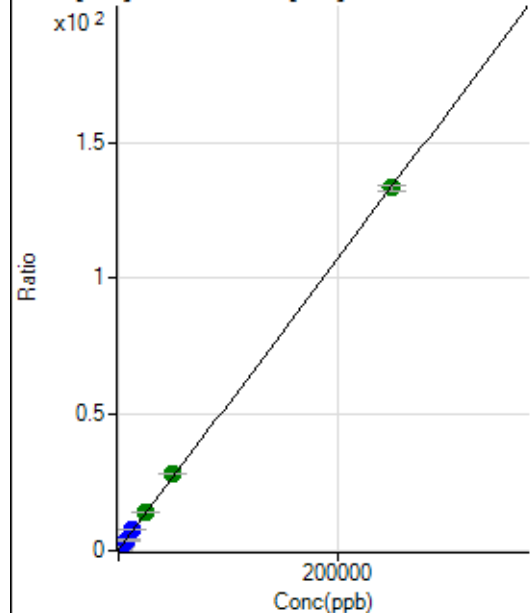
$$y = 5.7802\text{E-}006 * x + 0.2607$$

$$R = 0.9943$$

$$DL = 1720$$

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      | 27919.16    | 0.3336   | P   | 0.3 |
| 2 | <input type="checkbox"/> | 500.000   | 508.637    | 50720.42    | 0.6046   | P   | 1.8 |
| 3 | <input type="checkbox"/> | 2500.000  | 2520.190   | 149372.20   | 1.6763   | P   | 4.0 |
| 4 | <input type="checkbox"/> | 6250.000  | 6645.251   | 332402.53   | 3.8740   | P   | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 13518.040  | 641544.46   | 7.5356   | P   | 0.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 26442.357  | 1231131.06  | 14.4213  | A   | 0.6 |
| 7 | <input type="checkbox"/> | 50000.000 | 52237.517  | 2410066.70  | 28.1641  | A   | 1.8 |
| 8 | <input type="checkbox"/> | 250000.00 | 249347.25  | 11336989.66 | 133.1779 | A   | 1.8 |

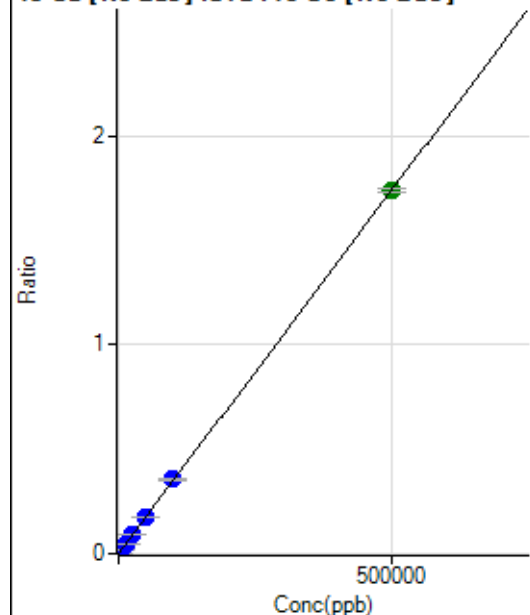
$$y = 5.3277\text{E-}004 * x + 0.3336$$

$$R = 0.9999$$

$$DL = 5.722$$

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      | 341.21     | 0.0002 | P    | 8.8 |
| 2 | <input type="checkbox"/> | 500.000   | 483.932    | 4071.33    | 0.0018 | P    | 0.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5103.022   | 39741.64   | 0.0179 | P    | 0.9 |
| 4 | <input type="checkbox"/> | 12500.000 | 12695.829  | 98779.34   | 0.0443 | P    | 0.9 |
| 5 | <input type="checkbox"/> | 25000.000 | 25588.793  | 198612.52  | 0.0892 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 50159.661  | 398052.86  | 0.1746 | P    | 1.8 |
| 7 | <input type="checkbox"/> | 100000.00 | 102408.36  | 790341.54  | 0.3564 | P    | 1.1 |
| 8 | <input type="checkbox"/> | 500000.00 | 499467.01  | 3923799.64 | 1.7375 | A    | 1.1 |

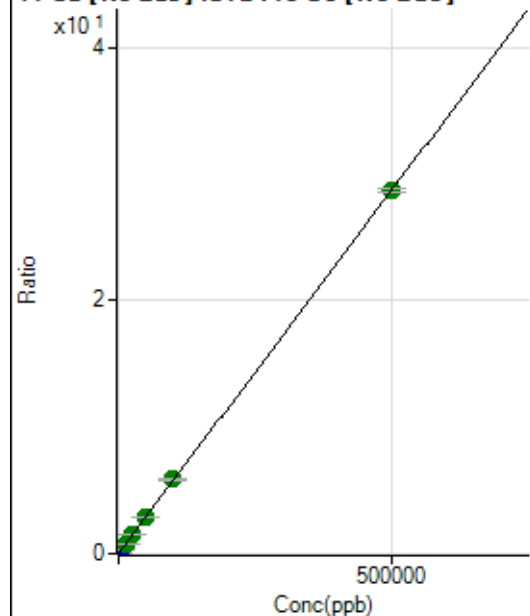
$$y = 3.4783E-006 * x + 1.5565E-004$$

$$R = 1.0000$$

$$DL = 11.84$$

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      | 22910.80    | 0.0104  | P    | 0.7 |
| 2 | <input type="checkbox"/> | 500.000   | 492.326    | 85707.65    | 0.0387  | P    | 1.1 |
| 3 | <input type="checkbox"/> | 5000.000  | 5149.475   | 679397.92   | 0.3061  | P    | 0.6 |
| 4 | <input type="checkbox"/> | 12500.000 | 12920.008  | 1676775.37  | 0.7522  | A    | 0.1 |
| 5 | <input type="checkbox"/> | 25000.000 | 25621.045  | 3300113.30  | 1.4815  | A    | 0.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 49717.699  | 6530859.33  | 2.8650  | A    | 1.3 |
| 7 | <input type="checkbox"/> | 100000.00 | 102176.56  | 13032574.80 | 5.8769  | A    | 2.0 |
| 8 | <input type="checkbox"/> | 500000.00 | 499549.87  | 64792371.89 | 28.6919 | A    | 0.9 |

$$y = 5.7414E-005 * x + 0.0104$$

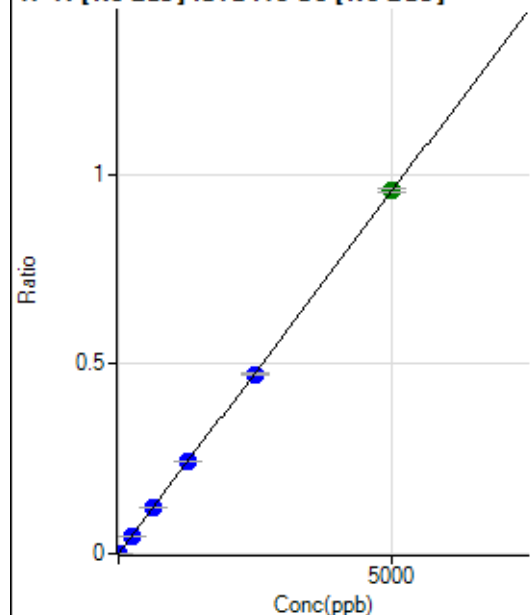
$$R = 1.0000$$

$$DL = 3.868$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 452.80     | 0.0002 | P   | 22.1 |
| 2 | <input type="checkbox"/> | 5.000    | 4.263      | 2258.58    | 0.0010 | P   | 6.6  |
| 3 | <input type="checkbox"/> | 250.000  | 250.013    | 106374.30  | 0.0479 | P   | 0.9  |
| 4 | <input type="checkbox"/> | 625.000  | 628.736    | 267963.28  | 0.1202 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1266.579   | 538991.68  | 0.2420 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2473.547   | 1076751.89 | 0.4723 | P   | 1.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 5008.615   | 2120630.15 | 0.9562 | A   | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 591.70     | 0.0003 | P   | 15.3 |

$$y = 1.9088\text{E-}004 * x + 2.0655\text{E-}004$$

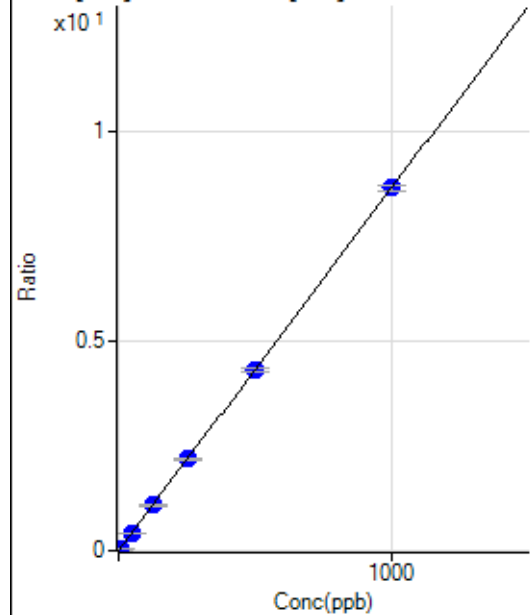
$$R = 1.0000$$

$$DL = 0.718$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 12.22     | 0.0001 | P   | 55.3 |
| 2 | <input type="checkbox"/> | 5.000    | 5.011      | 3652.73   | 0.0436 | P   | 3.3  |
| 3 | <input type="checkbox"/> | 50.000   | 48.019     | 37063.47  | 0.4161 | P   | 5.1  |
| 4 | <input type="checkbox"/> | 125.000  | 125.281    | 93125.90  | 1.0854 | P   | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 252.622    | 186305.70 | 2.1884 | P   | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 498.443    | 368584.08 | 4.3178 | P   | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.187   | 741337.84 | 8.6640 | P   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 153.34    | 0.0018 | P   | 23.7 |

$$y = 0.0087 * x + 1.4531\text{E-}004$$

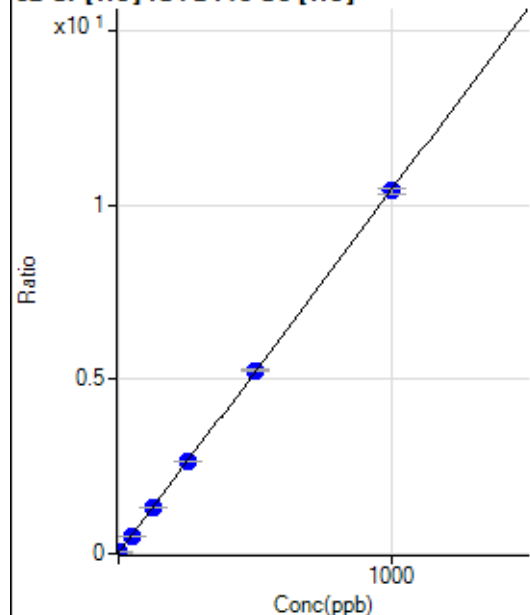
$$R = 1.0000$$

$$DL = 0.02781$$

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      | 868.92    | 0.0104  | P   | 3.6 |
| 2 | <input type="checkbox"/> | 2.000    | 1.906      | 2538.03   | 0.0302  | P   | 4.5 |
| 3 | <input type="checkbox"/> | 50.000   | 48.013     | 45493.20  | 0.5107  | P   | 4.7 |
| 4 | <input type="checkbox"/> | 125.000  | 124.460    | 112156.17 | 1.3072  | P   | 1.5 |
| 5 | <input type="checkbox"/> | 250.000  | 253.340    | 225615.43 | 2.6501  | P   | 0.9 |
| 6 | <input type="checkbox"/> | 500.000  | 503.580    | 448816.43 | 5.2576  | P   | 1.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 997.542    | 890236.35 | 10.4045 | P   | 1.7 |
| 8 | <input type="checkbox"/> |          |            | 3879.45   | 0.0456  | P   | 3.1 |

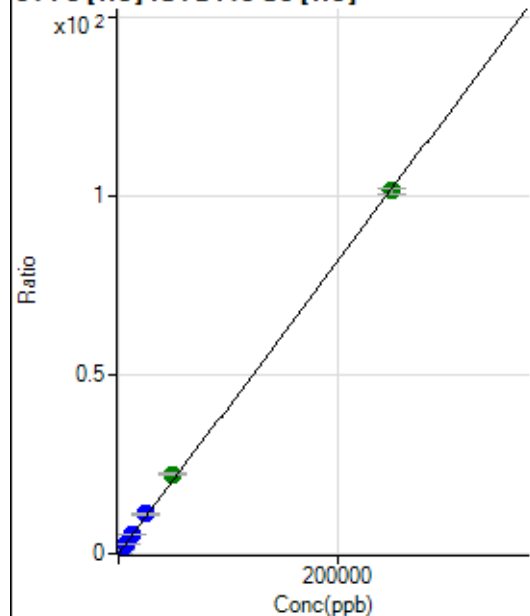
$$y = 0.0104 * x + 0.0104$$

$$R = 1.0000$$

$$DL = 0.1072$$

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      | 448.16     | 0.0054   | P   | 6.5 |
| 2 | <input type="checkbox"/> | 50.000    | 54.571     | 2315.05    | 0.0276   | P   | 3.8 |
| 3 | <input type="checkbox"/> | 2500.000  | 2589.596   | 94436.02   | 1.0605   | P   | 5.9 |
| 4 | <input type="checkbox"/> | 6250.000  | 6768.652   | 237096.13  | 2.7632   | P   | 0.3 |
| 5 | <input type="checkbox"/> | 12500.000 | 13642.274  | 473668.05  | 5.5638   | P   | 0.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 27195.299  | 946328.79  | 11.0859  | P   | 1.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 54484.122  | 1899795.76 | 22.2045  | A   | 2.5 |
| 8 | <input type="checkbox"/> | 250000.00 | 248812.66  | 8630310.84 | 101.3823 | A   | 1.8 |

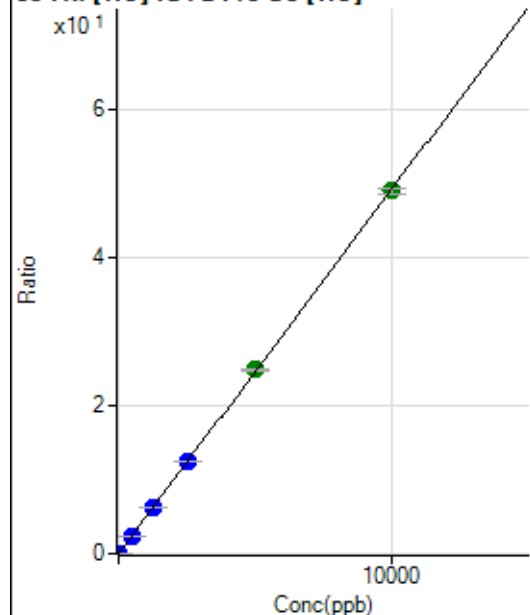
$$y = 4.0744E-004 * x + 0.0054$$

$$R = 0.9998$$

$$DL = 2.565$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 187.78     | 0.0022  | P    | 2.9 |
| 2 | <input type="checkbox"/> | 1.000     | 1.136      | 655.58     | 0.0078  | P    | 8.2 |
| 3 | <input type="checkbox"/> | 500.000   | 483.822    | 211948.29  | 2.3787  | P    | 4.2 |
| 4 | <input type="checkbox"/> | 1250.000  | 1257.477   | 530119.00  | 6.1788  | P    | 1.6 |
| 5 | <input type="checkbox"/> | 2500.000  | 2539.638   | 1062158.70 | 12.4765 | P    | 1.1 |
| 6 | <input type="checkbox"/> | 5000.000  | 5052.525   | 2118746.08 | 24.8194 | A    | 1.0 |
| 7 | <input type="checkbox"/> | 10000.000 | 9963.702   | 4187991.36 | 48.9423 | A    | 1.7 |
| 8 | <input type="checkbox"/> |           |            | 3717.18    | 0.0437  | P    | 1.6 |

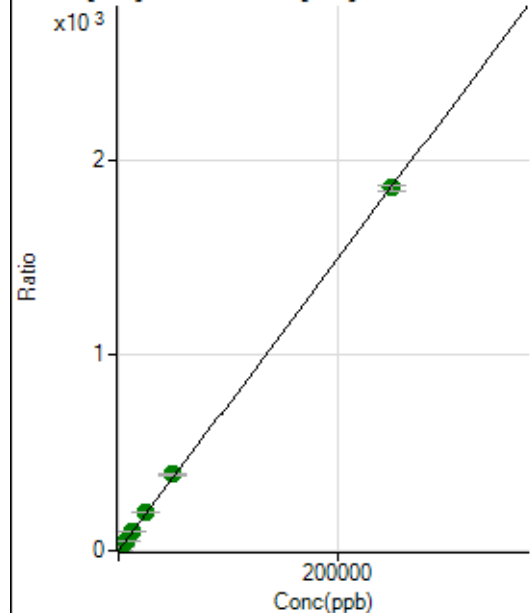
$$y = 0.0049 * x + 0.0022$$

$$R = 1.0000$$

$$DL = 0.03937$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 3159.65     | 0.0378    | P    | 3.0 |
| 2 | <input type="checkbox"/> | 50.000    | 53.675     | 36663.88    | 0.4371    | P    | 2.4 |
| 3 | <input type="checkbox"/> | 2500.000  | 2562.920   | 1701215.14  | 19.1045   | A    | 6.0 |
| 4 | <input type="checkbox"/> | 6250.000  | 6633.015   | 4237297.14  | 49.3839   | A    | 0.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 13328.750  | 8444911.53  | 99.1967   | A    | 1.0 |
| 6 | <input type="checkbox"/> | 25000.000 | 26514.356  | 16840961.37 | 197.2908  | A    | 2.1 |
| 7 | <input type="checkbox"/> | 50000.000 | 52400.545  | 33360481.76 | 389.8706  | A    | 1.5 |
| 8 | <input type="checkbox"/> | 250000.00 | 249316.81  | 157894942.4 | 1,854.825 | A    | 1.7 |

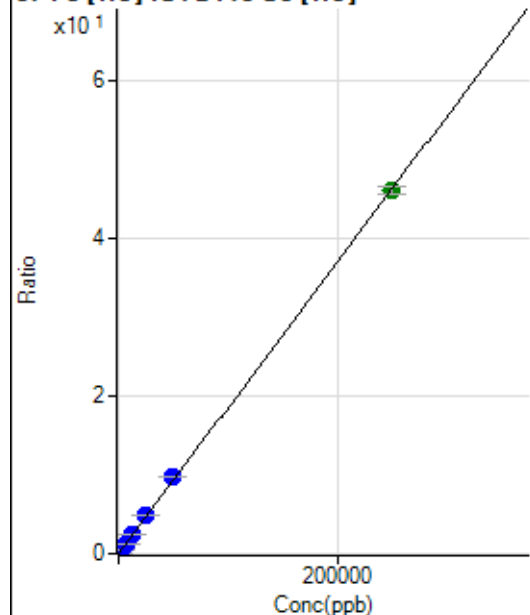
$$y = 0.0074 * x + 0.0378$$

$$R = 0.9999$$

$$DL = 0.455$$

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      | 157.41     | 0.0019  | P   | 20.0 |
| 2 | <input type="checkbox"/> | 50.000    | 52.666     | 972.27     | 0.0116  | P   | 5.4  |
| 3 | <input type="checkbox"/> | 2500.000  | 2580.796   | 42550.54   | 0.4776  | P   | 4.5  |
| 4 | <input type="checkbox"/> | 6250.000  | 6679.878   | 105801.81  | 1.2332  | P   | 1.9  |
| 5 | <input type="checkbox"/> | 12500.000 | 13424.799  | 210831.87  | 2.4765  | P   | 1.4  |
| 6 | <input type="checkbox"/> | 25000.000 | 26679.113  | 419973.88  | 4.9197  | P   | 1.1  |
| 7 | <input type="checkbox"/> | 50000.000 | 52971.898  | 835691.04  | 9.7663  | P   | 0.7  |
| 8 | <input type="checkbox"/> | 250000.00 | 249179.91  | 3910272.97 | 45.9336 | A   | 1.9  |

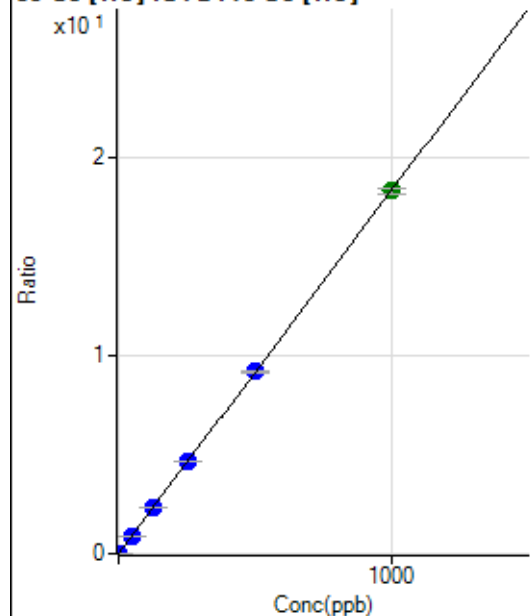
$$y = 1.8433\text{E-}004 * x + 0.0019$$

$$R = 0.9999$$

$$DL = 6.106$$

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      | 66.67      | 0.0008  | P   | 14.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.005      | 1614.55    | 0.0192  | P   | 3.9  |
| 3 | <input type="checkbox"/> | 50.000   | 48.276     | 78943.77   | 0.8863  | P   | 5.4  |
| 4 | <input type="checkbox"/> | 125.000  | 125.287    | 197249.84  | 2.2989  | P   | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 253.085    | 395283.16  | 4.6431  | P   | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 500.924    | 784469.40  | 9.1891  | P   | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.817    | 1567699.04 | 18.3219 | A   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 2602.49    | 0.0306  | P   | 3.4  |

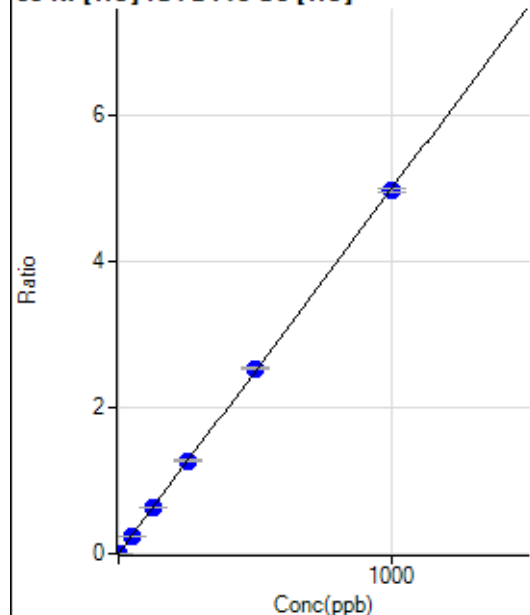
$$y = 0.0183 * x + 7.9740\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.01856$$

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      | 188.89    | 0.0023 | P   | 5.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.039      | 624.46    | 0.0074 | P   | 7.4 |
| 3 | <input type="checkbox"/> | 50.000   | 48.135     | 21561.98  | 0.2420 | P   | 4.2 |
| 4 | <input type="checkbox"/> | 125.000  | 126.373    | 54192.73  | 0.6316 | P   | 1.2 |
| 5 | <input type="checkbox"/> | 250.000  | 254.763    | 108208.31 | 1.2710 | P   | 0.8 |
| 6 | <input type="checkbox"/> | 500.000  | 508.271    | 216280.34 | 2.5336 | P   | 1.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 994.595    | 424022.57 | 4.9556 | P   | 1.2 |
| 8 | <input type="checkbox"/> |          |            | 1367.85   | 0.0161 | P   | 3.9 |

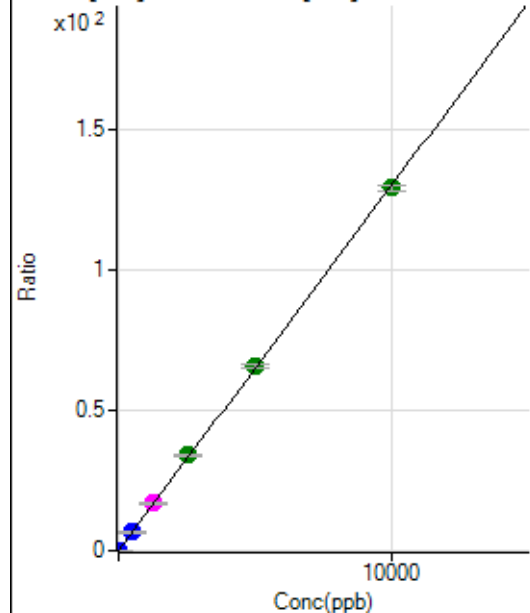
$$y = 0.0050 * x + 0.0023$$

$$R = 0.9999$$

$$DL = 0.07792$$

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      | 653.35      | 0.0078   | P   | 3.5 |
| 2 | <input type="checkbox"/> | 2.000     | 2.539      | 3422.67     | 0.0408   | P   | 4.7 |
| 3 | <input type="checkbox"/> | 500.000   | 502.533    | 582552.00   | 6.5410   | P   | 5.5 |
| 4 | <input type="checkbox"/> | 1250.000  | 1290.708   | 1440382.79  | 16.7876  | M   | 1.5 |
| 5 | <input type="checkbox"/> | 2500.000  | 2606.068   | 2885054.75  | 33.8880  | A   | 0.8 |
| 6 | <input type="checkbox"/> | 5000.000  | 5070.605   | 5627828.81  | 65.9282  | A   | 1.8 |
| 7 | <input type="checkbox"/> | 10000.000 | 9932.965   | 11050089.56 | 129.1413 | A   | 1.4 |
| 8 | <input type="checkbox"/> |           |            | 6329.25     | 0.0743   | P   | 1.8 |

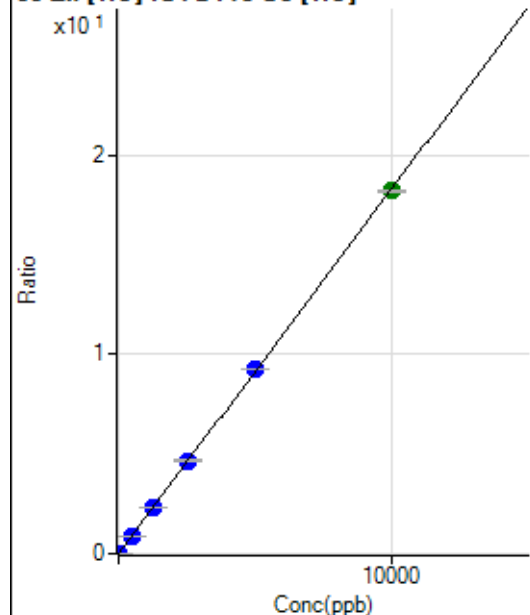
$$y = 0.0130 * x + 0.0078$$

$$R = 0.9999$$

$$DL = 0.06224$$

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      | 165.56     | 0.0020  | P   | 27.8 |
| 2 | <input type="checkbox"/> | 2.000     | 2.242      | 508.90     | 0.0061  | P   | 16.0 |
| 3 | <input type="checkbox"/> | 500.000   | 486.060    | 79310.13   | 0.8905  | P   | 5.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1272.367   | 199736.06  | 2.3279  | P   | 0.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2555.678   | 397905.04  | 4.6738  | P   | 0.9  |
| 6 | <input type="checkbox"/> | 5000.000  | 5062.182   | 790144.49  | 9.2558  | P   | 0.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 9952.891   | 1557049.28 | 18.1961 | A   | 0.4  |
| 8 | <input type="checkbox"/> |           |            | 4218.45    | 0.0496  | P   | 2.4  |

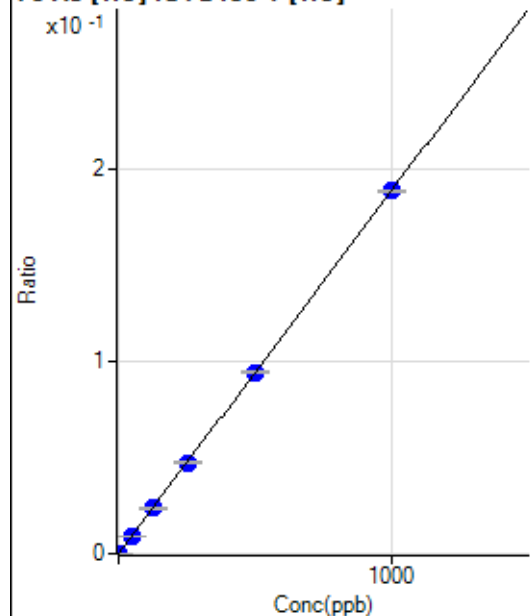
$$y = 0.0018 * x + 0.0020$$

$$R = 0.9999$$

$$DL = 0.9022$$

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      | 3.00      | 0.0000 | P   | 33.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.898      | 106.68    | 0.0002 | P   | 11.8 |
| 3 | <input type="checkbox"/> | 50.000   | 47.340     | 5863.48   | 0.0089 | P   | 4.5  |
| 4 | <input type="checkbox"/> | 125.000  | 124.975    | 14816.58  | 0.0235 | P   | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 250.408    | 29658.95  | 0.0472 | P   | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 500.407    | 59299.44  | 0.0943 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.831    | 117845.10 | 0.1884 | P   | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 54.68     | 0.0001 | P   | 5.2  |

$$y = 1.8838E-004 * x + 4.8692E-006$$

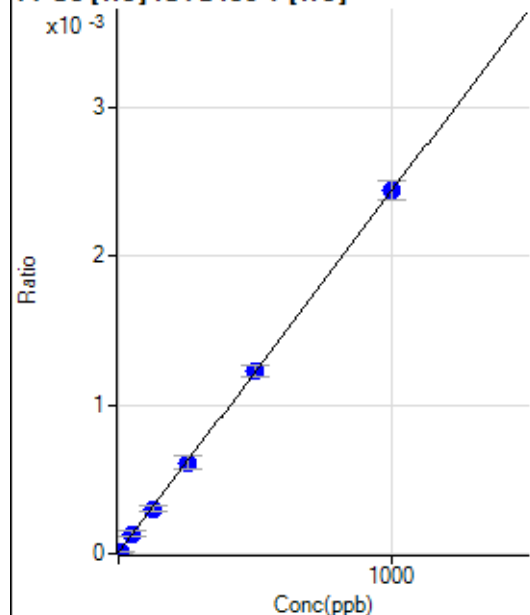
$$R = 1.0000$$

$$DL = 0.02571$$

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      | 5.56    | 0.0000 | P    | 91.6 |
| 2 | <input type="checkbox"/> | 5.000    | 2.272      | 8.89    | 0.0000 | P    | 56.9 |
| 3 | <input type="checkbox"/> | 50.000   | 51.710     | 87.78   | 0.0001 | P    | 26.6 |
| 4 | <input type="checkbox"/> | 125.000  | 119.988    | 188.89  | 0.0003 | P    | 11.1 |
| 5 | <input type="checkbox"/> | 250.000  | 248.353    | 384.46  | 0.0006 | P    | 13.9 |
| 6 | <input type="checkbox"/> | 500.000  | 500.728    | 770.03  | 0.0012 | P    | 6.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.602   | 1524.54 | 0.0024 | P    | 5.4  |
| 8 | <input type="checkbox"/> |          |            | 3.33    | 0.0000 | P    | 99.8 |

$$y = 2.4264\text{E-}006 * x + 8.9754\text{E-}006$$

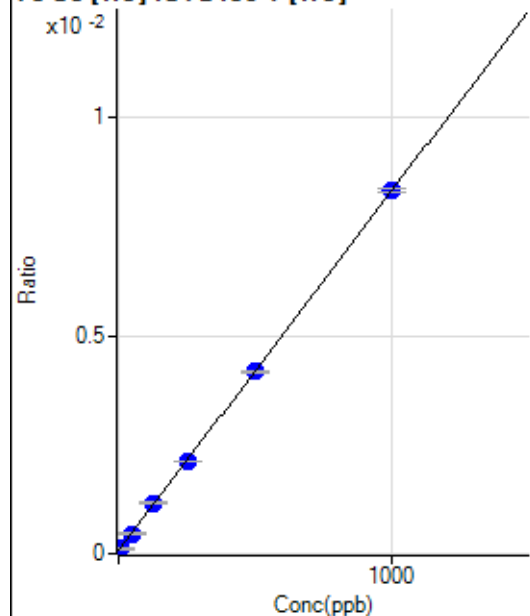
$$R = 1.0000$$

$$DL = 10.17$$

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      | 43.00   | 0.0001 | P    | 1.6  |
| 2 | <input type="checkbox"/> | 5.000    | 4.916      | 67.68   | 0.0001 | P    | 13.7 |
| 3 | <input type="checkbox"/> | 50.000   | 46.723     | 299.03  | 0.0005 | P    | 4.6  |
| 4 | <input type="checkbox"/> | 125.000  | 132.745    | 732.76  | 0.0012 | P    | 3.2  |
| 5 | <input type="checkbox"/> | 250.000  | 249.006    | 1334.87 | 0.0021 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 497.735    | 2625.85 | 0.0042 | P    | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.577   | 5206.49 | 0.0083 | P    | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 43.67   | 0.0001 | P    | 11.4 |

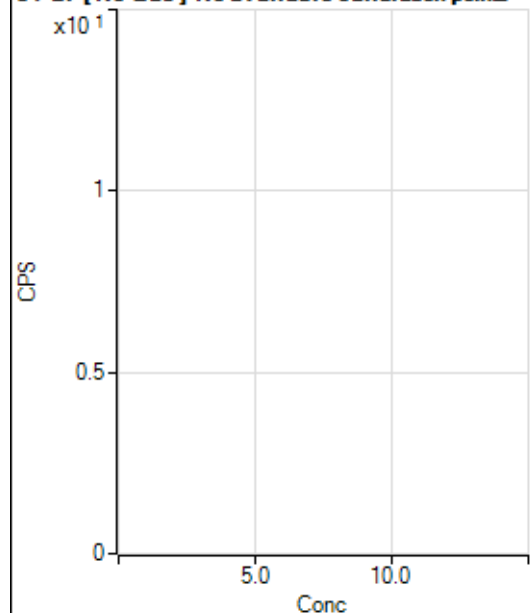
$$y = 8.2469\text{E-}006 * x + 6.9789\text{E-}005$$

$$R = 1.0000$$

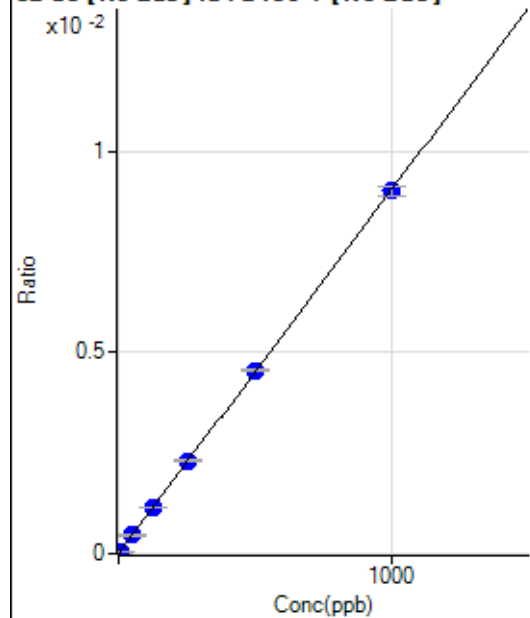
$$DL = 0.4148$$

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"/> |       |            | 2436.08 |       | P        | 0.6 |
| 2 | <input type="checkbox"/> |       |            | 2673.02 |       | P        | 4.3 |
| 3 | <input type="checkbox"/> |       |            | 2302.57 |       | P        | 6.0 |
| 4 | <input type="checkbox"/> |       |            | 2529.51 |       | P        | 5.8 |
| 5 | <input type="checkbox"/> |       |            | 2439.39 |       | P        | 5.1 |
| 6 | <input type="checkbox"/> |       |            | 2212.46 |       | P        | 4.1 |
| 7 | <input type="checkbox"/> |       |            | 2419.39 |       | P        | 5.3 |
| 8 | <input type="checkbox"/> |       |            | 2789.83 |       | P        | 3.4 |

**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      | 34.04    | 0.0000 | P        | 38.4 |
| 2 | <input type="checkbox"/> | 5.000    | 3.703      | 214.70   | 0.0000 | P        | 17.8 |
| 3 | <input type="checkbox"/> | 50.000   | 49.763     | 2474.56  | 0.0005 | P        | 3.1  |
| 4 | <input type="checkbox"/> | 125.000  | 128.126    | 6286.31  | 0.0012 | P        | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 254.178    | 12598.94 | 0.0023 | P        | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 502.451    | 24867.94 | 0.0045 | P        | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.358    | 49239.06 | 0.0090 | P        | 2.8  |
| 8 | <input type="checkbox"/> |          |            | 25.10    | 0.0000 | P        | 264. |

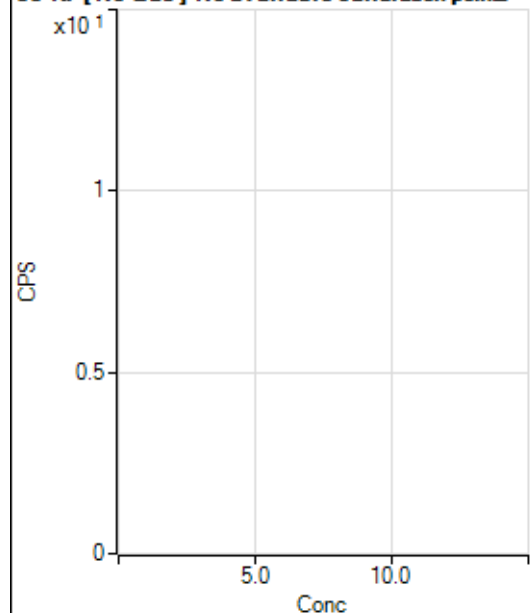
$$y = 9.0231E-006 * x + 6.3796E-006$$

$$R = 1.0000$$

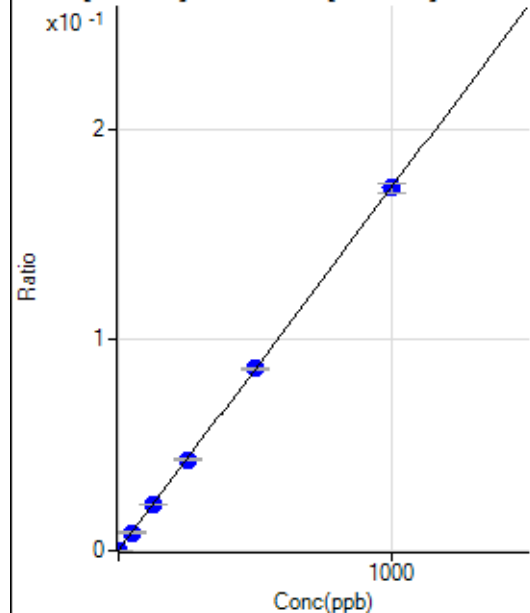
$$DL = 0.8149$$

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"/> |       |            | 343.34 |       | P        | 10.8 |
| 2 | <input type="checkbox"/> |       |            | 376.67 |       | P        | 3.1  |
| 3 | <input type="checkbox"/> |       |            | 338.90 |       | P        | 2.8  |
| 4 | <input type="checkbox"/> |       |            | 358.90 |       | P        | 7.9  |
| 5 | <input type="checkbox"/> |       |            | 370.01 |       | P        | 5.6  |
| 6 | <input type="checkbox"/> |       |            | 342.23 |       | P        | 1.5  |
| 7 | <input type="checkbox"/> |       |            | 380.01 |       | P        | 5.8  |
| 8 | <input type="checkbox"/> |       |            | 355.56 |       | P        | 7.3  |

**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      | 652.81    | 0.0001 | P        | 21.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.884      | 1483.46   | 0.0003 | P        | 2.5  |
| 3 | <input type="checkbox"/> | 50.000   | 49.531     | 47049.27  | 0.0087 | P        | 1.9  |
| 4 | <input type="checkbox"/> | 125.000  | 126.645    | 118676.35 | 0.0219 | P        | 1.8  |
| 5 | <input type="checkbox"/> | 250.000  | 250.719    | 237371.98 | 0.0433 | P        | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 502.225    | 474735.55 | 0.0867 | P        | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.526    | 941523.11 | 0.1722 | P        | 2.5  |
| 8 | <input type="checkbox"/> |          |            | 5679.10   | 0.0010 | P        | 3.9  |

$$y = 1.7233E-004 * x + 1.2233E-004$$

$$R = 1.0000$$

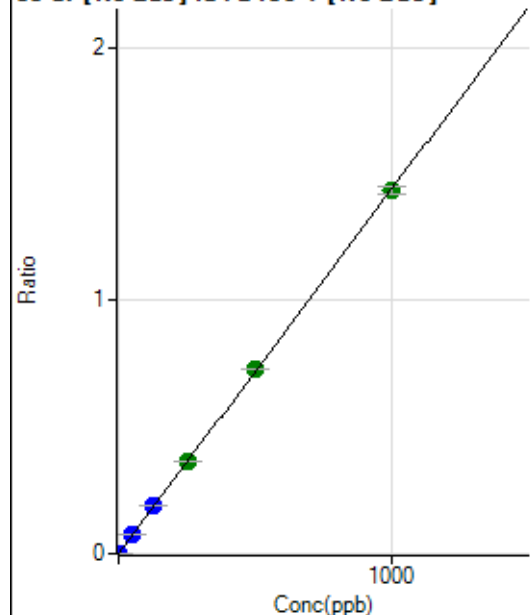
$$DL = 0.4657$$

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      | 161.11     | 0.0000 | P   | 20.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.021      | 8102.55    | 0.0015 | P   | 3.6  |
| 3 | <input type="checkbox"/> | 50.000   | 51.748     | 405170.24  | 0.0746 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 129.692    | 1010122.98 | 0.1868 | P   | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 253.152    | 1997301.15 | 0.3646 | A   | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 505.375    | 3986674.22 | 0.7278 | A   | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.850    | 7841909.46 | 1.4341 | A   | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 43874.98   | 0.0080 | P   | 1.9  |

$$y = 0.0014 * x + 3.0123E-005$$

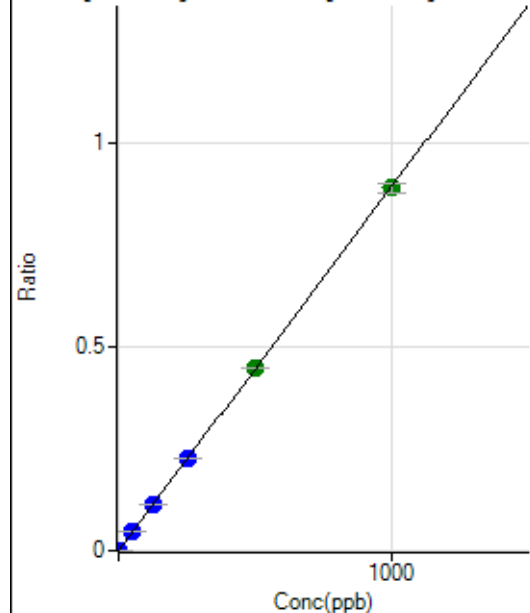
$$R = 1.0000$$

$$DL = 0.01265$$

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      | 216.67     | 0.0000 | P   | 10.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.987      | 4981.58    | 0.0009 | P   | 4.0  |
| 3 | <input type="checkbox"/> | 50.000   | 50.673     | 246286.31  | 0.0453 | P   | 1.9  |
| 4 | <input type="checkbox"/> | 125.000  | 128.439    | 620854.76  | 0.1148 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 254.424    | 1245709.48 | 0.2274 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 502.429    | 2459464.44 | 0.4490 | A   | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.216    | 4872598.98 | 0.8911 | A   | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 1452.90    | 0.0003 | P   | 8.6  |

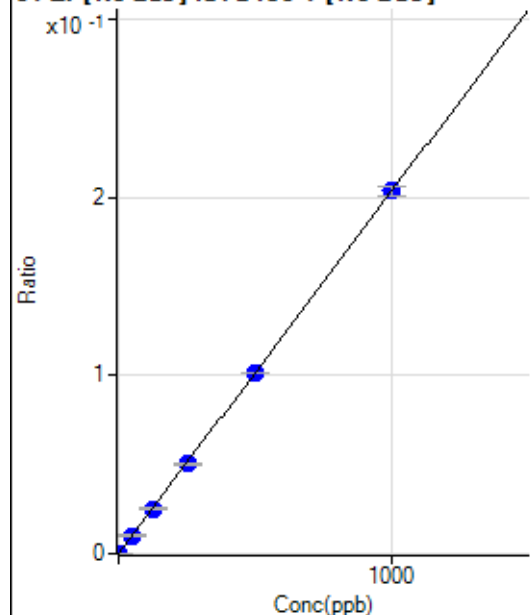
$$y = 8.9358E-004 * x + 4.0550E-005$$

$$R = 1.0000$$

$$DL = 0.01355$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 80.56      | 0.0000 | P    | 59.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.862      | 1027.85    | 0.0002 | P    | 5.0  |
| 3 | <input type="checkbox"/> | 50.000   | 50.200     | 55577.99   | 0.0102 | P    | 3.2  |
| 4 | <input type="checkbox"/> | 125.000  | 124.609    | 137182.10  | 0.0254 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 247.609    | 276089.04  | 0.0504 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 498.588    | 555749.54  | 0.1015 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.343   | 1114036.96 | 0.2038 | P    | 2.8  |
| 8 | <input type="checkbox"/> |          |            | 313.90     | 0.0001 | P    | 10.4 |

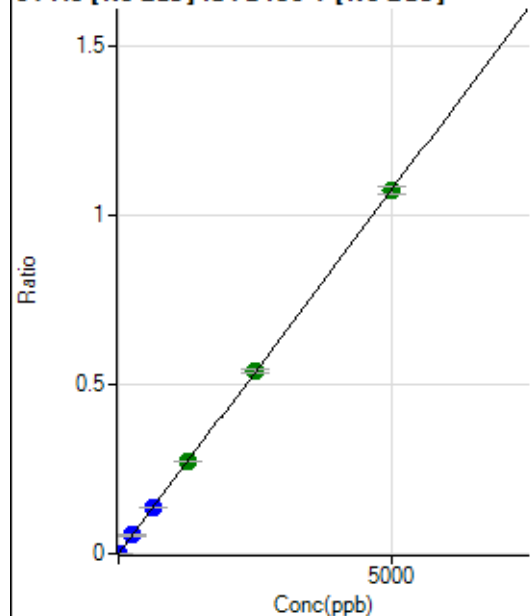
$$y = 2.0346\text{E-}004 * x + 1.5127\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.133$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 127.78     | 0.0000 | P    | 15.6 |
| 2 | <input type="checkbox"/> | 5.000    | 4.771      | 5651.30    | 0.0010 | P    | 5.6  |
| 3 | <input type="checkbox"/> | 250.000  | 251.697    | 293388.56  | 0.0540 | P    | 2.6  |
| 4 | <input type="checkbox"/> | 625.000  | 638.595    | 740584.02  | 0.1370 | P    | 1.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1264.098   | 1485189.37 | 0.2711 | A    | 0.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2509.607   | 2947531.58 | 0.5382 | A    | 2.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 4989.888   | 5850648.52 | 1.0700 | A    | 2.1  |
| 8 | <input type="checkbox"/> |          |            | 1566.79    | 0.0003 | P    | 13.9 |

$$y = 2.1443\text{E-}004 * x + 2.3897\text{E-}005$$

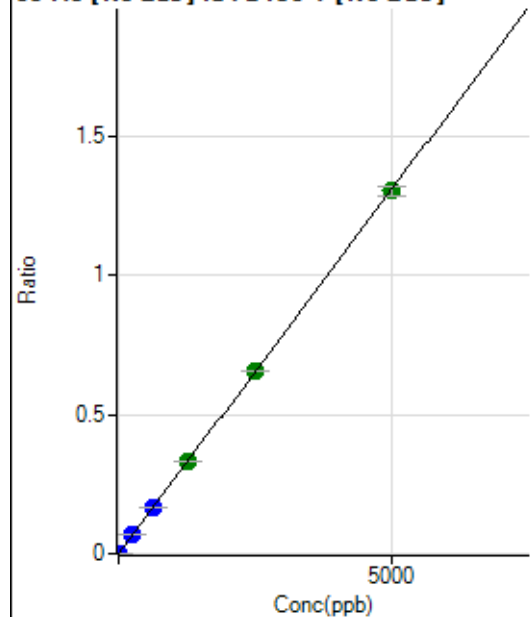
$$R = 1.0000$$

$$DL = 0.05225$$

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      | 38.89      | 0.0000 | P    | 64.8 |
| 2 | <input type="checkbox"/> | 5.000    | 4.922      | 6979.71    | 0.0013 | P    | 2.7  |
| 3 | <input type="checkbox"/> | 250.000  | 255.780    | 363035.08  | 0.0668 | P    | 2.9  |
| 4 | <input type="checkbox"/> | 625.000  | 642.607    | 907678.88  | 0.1679 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1274.479   | 1823733.87 | 0.3329 | A    | 0.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2517.141   | 3601404.51 | 0.6575 | A    | 0.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 4982.820   | 7116178.02 | 1.3015 | A    | 2.7  |
| 8 | <input type="checkbox"/> |          |            | 1783.50    | 0.0003 | P    | 12.2 |

$$y = 2.6120E-004 * x + 7.2550E-006$$

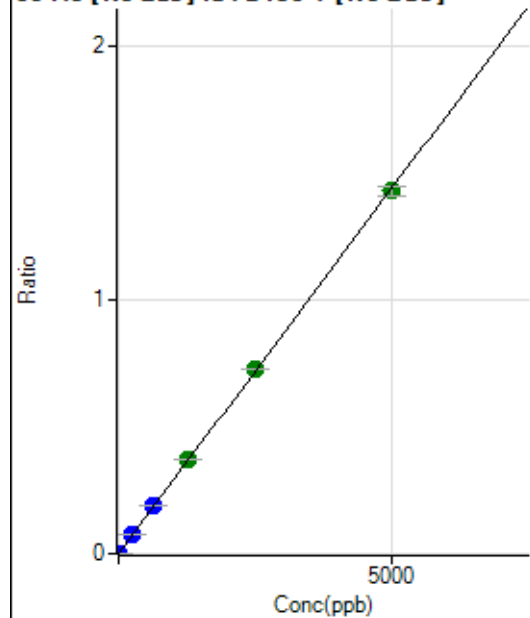
$$R = 1.0000$$

$$DL = 0.05403$$

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      | 66.67      | 0.0000 | P    | 32.4 |
| 2 | <input type="checkbox"/> | 5.000    | 4.941      | 7741.25    | 0.0014 | P    | 2.5  |
| 3 | <input type="checkbox"/> | 250.000  | 255.370    | 399271.34  | 0.0735 | P    | 1.8  |
| 4 | <input type="checkbox"/> | 625.000  | 650.345    | 1011712.90 | 0.1871 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 1250.000 | 1282.190   | 2020715.13 | 0.3688 | A    | 0.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2536.994   | 3997697.79 | 0.7298 | A    | 0.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 4970.019   | 7817363.19 | 1.4297 | A    | 2.7  |
| 8 | <input type="checkbox"/> |          |            | 2383.60    | 0.0004 | P    | 5.1  |

$$y = 2.8766E-004 * x + 1.2464E-005$$

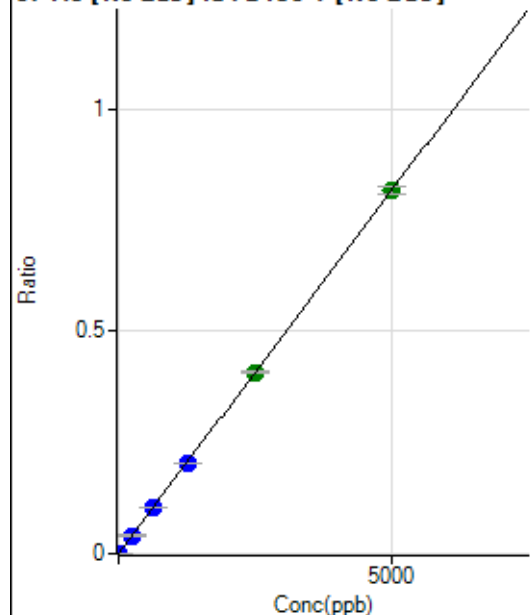
$$R = 0.9999$$

$$DL = 0.04215$$

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      | 36.11      | 0.0000 | P    | 53.2 |
| 2 | <input type="checkbox"/> | 5.000    | 4.742      | 4220.19    | 0.0008 | P    | 3.2  |
| 3 | <input type="checkbox"/> | 250.000  | 249.221    | 221256.05  | 0.0407 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 625.000  | 636.347    | 562140.70  | 0.1040 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1250.713   | 1119313.77 | 0.2043 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2501.145   | 2237970.99 | 0.4086 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 5000.000 | 4997.870   | 4464238.90 | 0.8164 | A    | 2.0  |
| 8 | <input type="checkbox"/> |          |            | 1025.07    | 0.0002 | P    | 14.7 |

$$y = 1.6335E-004 * x + 6.7572E-006$$

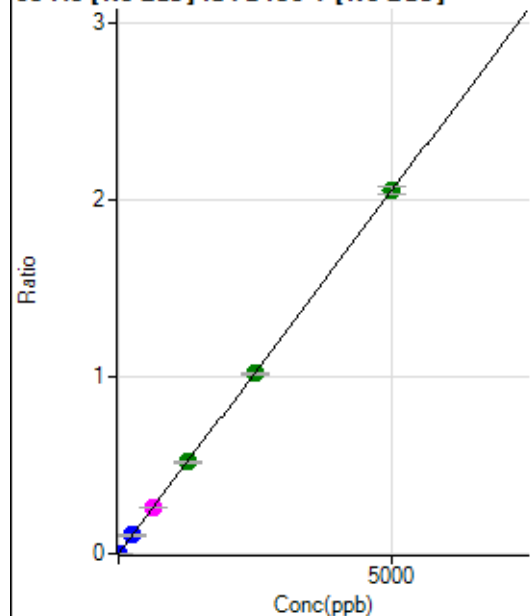
$$R = 1.0000$$

$$DL = 0.066$$

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      | 25.00       | 0.0000 | P    | 115. |
| 2 | <input type="checkbox"/> | 5.000    | 5.014      | 11140.95    | 0.0021 | P    | 0.2  |
| 3 | <input type="checkbox"/> | 250.000  | 254.926    | 568767.16   | 0.1047 | P    | 2.6  |
| 4 | <input type="checkbox"/> | 625.000  | 639.526    | 1419967.21  | 0.2626 | M    | 1.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1260.956   | 2836401.06  | 0.5177 | A    | 0.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2488.742   | 5597278.03  | 1.0219 | A    | 1.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5000.828   | 11227335.06 | 2.0533 | A    | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 2642.00     | 0.0005 | P    | 4.3  |

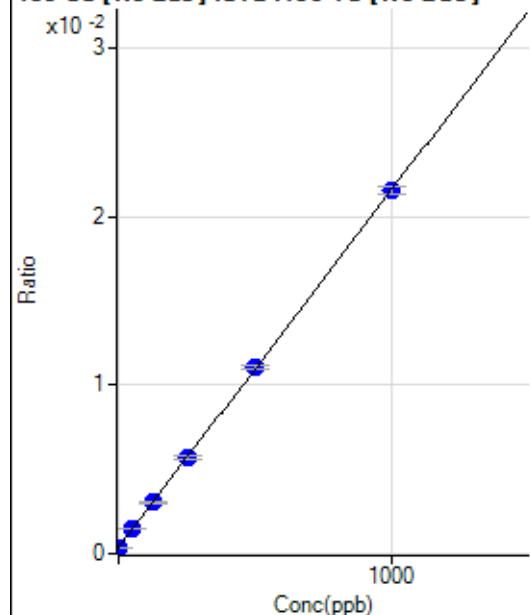
$$y = 4.1060E-004 * x + 4.6563E-006$$

$$R = 1.0000$$

$$DL = 0.03912$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1227.87  | 0.0004 | P    | 5.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.322      | 1263.99  | 0.0004 | P    | 2.2 |
| 3 | <input type="checkbox"/> | 50.000   | 51.456     | 4889.90  | 0.0015 | P    | 1.7 |
| 4 | <input type="checkbox"/> | 125.000  | 125.349    | 10212.36 | 0.0030 | P    | 2.5 |
| 5 | <input type="checkbox"/> | 250.000  | 251.854    | 19355.70 | 0.0057 | P    | 2.3 |
| 6 | <input type="checkbox"/> | 500.000  | 504.299    | 37342.73 | 0.0111 | P    | 2.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 997.271    | 71884.72 | 0.0215 | P    | 2.1 |
| 8 | <input type="checkbox"/> |          |            | 1205.65  | 0.0004 | P    | 7.4 |

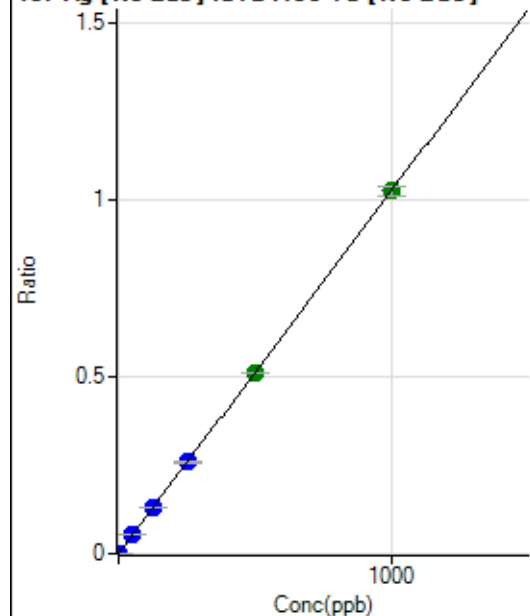
$$y = 2.1201E-005 * x + 3.7094E-004$$

$$R = 1.0000$$

$$DL = 2.806$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 41.67      | 0.0000 | P    | 34.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.980      | 3414.40    | 0.0010 | P    | 4.7  |
| 3 | <input type="checkbox"/> | 50.000   | 50.839     | 174784.90  | 0.0523 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 126.468    | 438363.02  | 0.1300 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 251.872    | 877440.51  | 0.2588 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 499.534    | 1733087.45 | 0.5133 | A    | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.540    | 3431695.22 | 1.0271 | A    | 2.5  |
| 8 | <input type="checkbox"/> |          |            | 1652.92    | 0.0005 | P    | 10.7 |

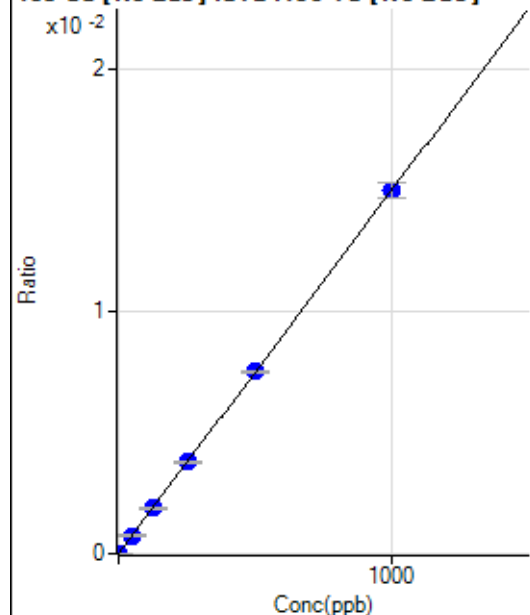
$$y = 0.0010 * x + 1.2584E-005$$

$$R = 1.0000$$

$$DL = 0.0127$$

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      | 16.66    | 0.0000 | P   | 86.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.216      | 77.78    | 0.0000 | P   | 12.4 |
| 3 | <input type="checkbox"/> | 50.000   | 49.728     | 2507.20  | 0.0007 | P   | 3.7  |
| 4 | <input type="checkbox"/> | 125.000  | 125.161    | 6336.28  | 0.0019 | P   | 4.7  |
| 5 | <input type="checkbox"/> | 250.000  | 252.499    | 12833.87 | 0.0038 | P   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 500.361    | 25309.41 | 0.0075 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.188    | 49995.87 | 0.0150 | P   | 4.2  |
| 8 | <input type="checkbox"/> |          |            | 65.28    | 0.0000 | P   | 10.3 |

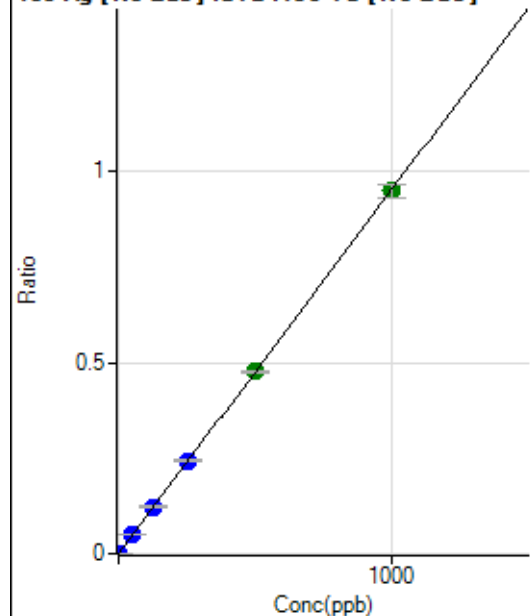
$$y = 1.4972\text{E-}005 * x + 5.0369\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.8752$$

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      | 36.11      | 0.0000 | P   | 48.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.967      | 3114.34    | 0.0009 | P   | 1.4  |
| 3 | <input type="checkbox"/> | 50.000   | 51.360     | 163440.18  | 0.0489 | P   | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 129.084    | 414102.04  | 0.1228 | P   | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 256.126    | 825846.67  | 0.2436 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 500.918    | 1608532.66 | 0.4765 | A   | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.431    | 3169209.94 | 0.9487 | A   | 3.5  |
| 8 | <input type="checkbox"/> |          |            | 1647.37    | 0.0005 | P   | 2.5  |

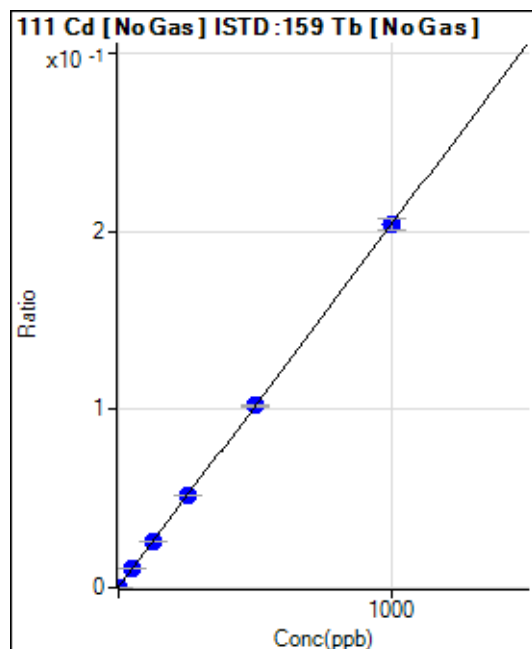
$$y = 9.5113\text{E-}004 * x + 1.0915\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.01657$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 858.96    | 0.0003 | P    | 4.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.073      | 1599.83   | 0.0005 | P    | 1.5 |
| 3 | <input type="checkbox"/> | 50.000   | 50.680     | 35391.22  | 0.0106 | P    | 1.7 |
| 4 | <input type="checkbox"/> | 125.000  | 126.928    | 88047.77  | 0.0261 | P    | 1.7 |
| 5 | <input type="checkbox"/> | 250.000  | 252.167    | 174954.69 | 0.0516 | P    | 1.3 |
| 6 | <input type="checkbox"/> | 500.000  | 501.721    | 345810.76 | 0.1024 | P    | 1.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 998.322    | 680041.84 | 0.2036 | P    | 3.1 |
| 8 | <input type="checkbox"/> |          |            | 1112.16   | 0.0003 | P    | 4.5 |

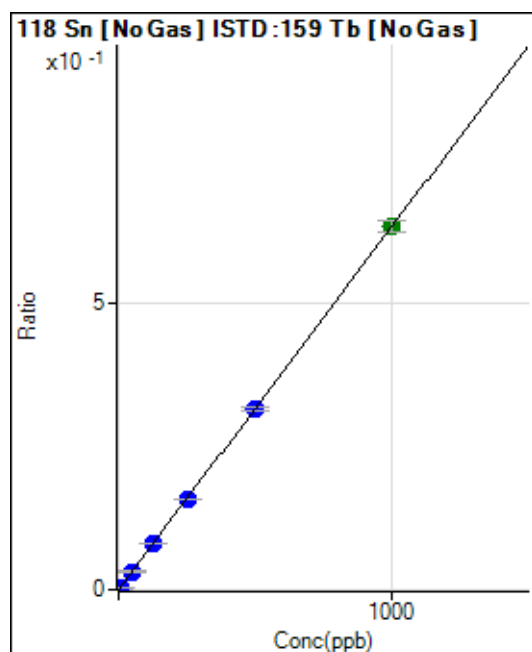
$$y = 2.0365E-004 * x + 2.5949E-004$$

$$R = 1.0000$$

$$DL = 0.1777$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 150.01     | 0.0000 | P    | 27.6 |
| 2 | <input type="checkbox"/> | 5.000    | 4.808      | 10345.86   | 0.0031 | P    | 6.9  |
| 3 | <input type="checkbox"/> | 50.000   | 50.307     | 106809.35  | 0.0319 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 125.828    | 269129.24  | 0.0798 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 249.384    | 536001.70  | 0.1581 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 498.748    | 1067341.95 | 0.3162 | P    | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.662   | 2118948.33 | 0.6343 | A    | 3.2  |
| 8 | <input type="checkbox"/> |          |            | 850.05     | 0.0002 | P    | 22.2 |

$$y = 6.3383E-004 * x + 4.5305E-005$$

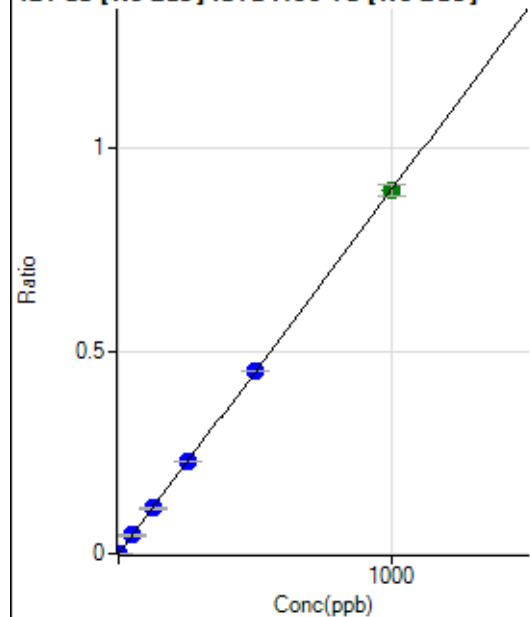
$$R = 1.0000$$

$$DL = 0.05926$$

Weight: <None>

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      | 27.78      | 0.0000 | P   | 91.7 |
| 2 | <input type="checkbox"/> | 2.000    | 1.871      | 5645.75    | 0.0017 | P   | 3.6  |
| 3 | <input type="checkbox"/> | 50.000   | 50.289     | 150977.02  | 0.0451 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 125.115    | 378679.35  | 0.1123 | P   | 1.8  |
| 5 | <input type="checkbox"/> | 250.000  | 252.333    | 767640.49  | 0.2264 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 503.791    | 1526301.67 | 0.4521 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.493    | 2990349.35 | 0.8951 | A   | 3.0  |
| 8 | <input type="checkbox"/> |          |            | 2878.16    | 0.0008 | P   | 10.0 |

$$y = 8.9736E-004 * x + 8.3996E-006$$

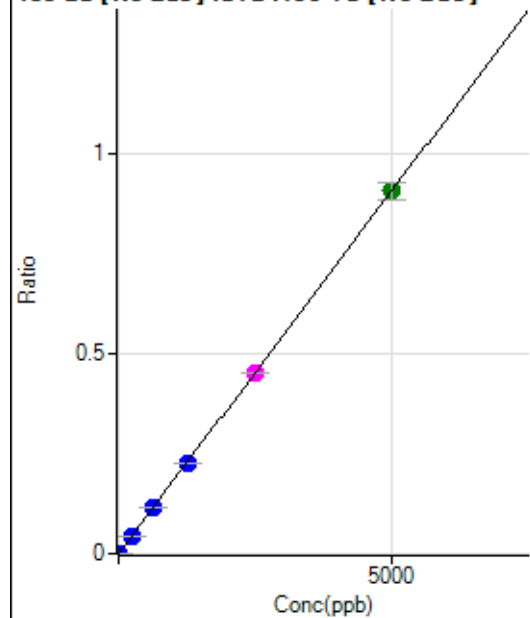
$$R = 1.0000$$

$$DL = 0.02574$$

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      | 52.78      | 0.0000 | P   | 24.3 |
| 2 | <input type="checkbox"/> | 10.000   | 10.105     | 6182.11    | 0.0018 | P   | 4.0  |
| 3 | <input type="checkbox"/> | 250.000  | 248.424    | 150699.16  | 0.0451 | P   | 1.4  |
| 4 | <input type="checkbox"/> | 625.000  | 628.528    | 384334.68  | 0.1140 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1246.536   | 766043.32  | 0.2260 | P   | 1.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2492.365   | 1525509.47 | 0.4518 | M   | 0.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 5004.321   | 3030102.24 | 0.9072 | A   | 4.4  |
| 8 | <input type="checkbox"/> |          |            | 5531.85    | 0.0016 | P   | 7.3  |

$$y = 1.8129E-004 * x + 1.5948E-005$$

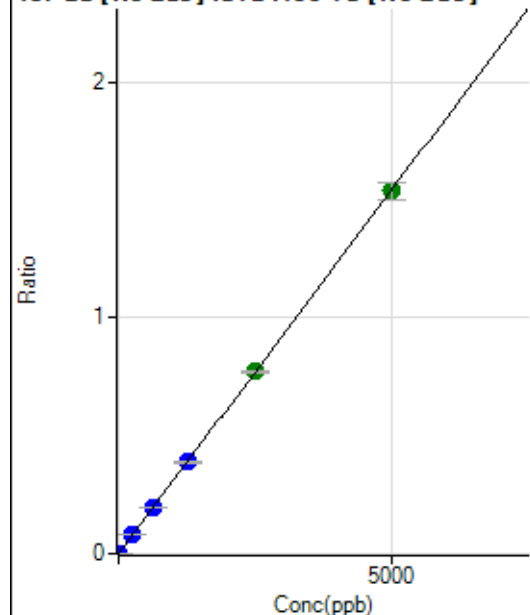
$$R = 1.0000$$

$$DL = 0.06401$$

Weight: &lt;None&gt;

Min Conc: 0



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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 47.22      | 0.0000 | P    | 26.8 |
| 2 | <input type="checkbox"/> | 10.000   | 9.617      | 9970.65    | 0.0030 | P    | 3.3  |
| 3 | <input type="checkbox"/> | 250.000  | 254.065    | 262103.98  | 0.0784 | P    | 0.5  |
| 4 | <input type="checkbox"/> | 625.000  | 632.111    | 657432.00  | 0.1949 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1262.443   | 1319634.06 | 0.3893 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2510.684   | 2613749.95 | 0.7742 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 5000.000 | 4990.456   | 5139268.04 | 1.5389 | A    | 4.8  |
| 8 | <input type="checkbox"/> |          |            | 9247.85    | 0.0027 | P    | 1.8  |

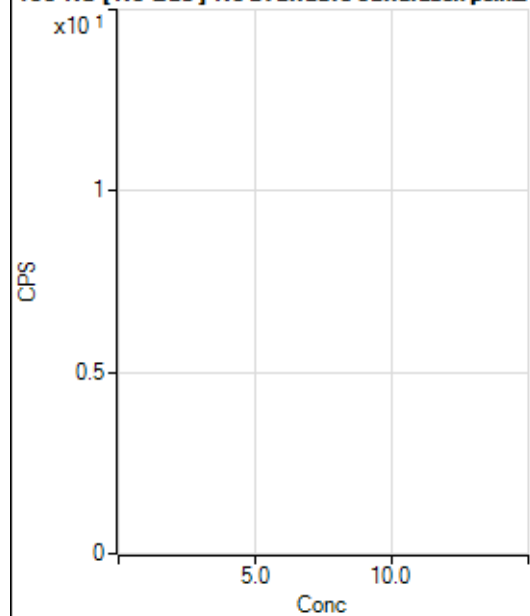
$$y = 3.0836E-004 * x + 1.4262E-005$$

$$R = 1.0000$$

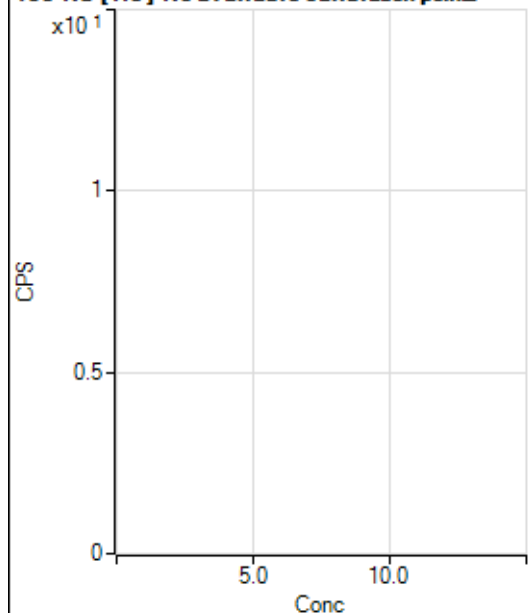
$$DL = 0.03725$$

Weight: &lt;None&gt;

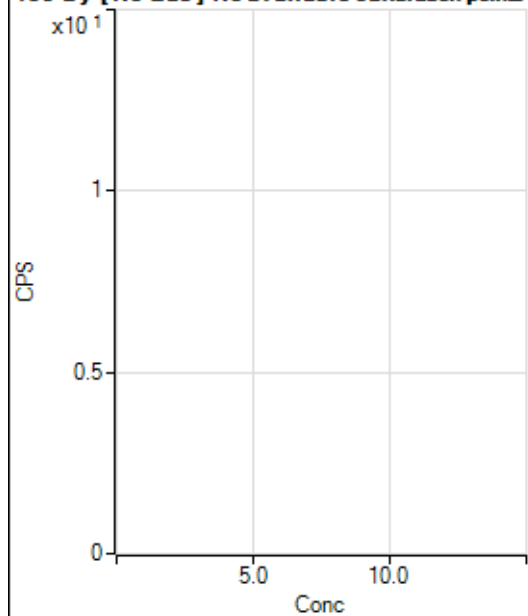
Min Conc: 0

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

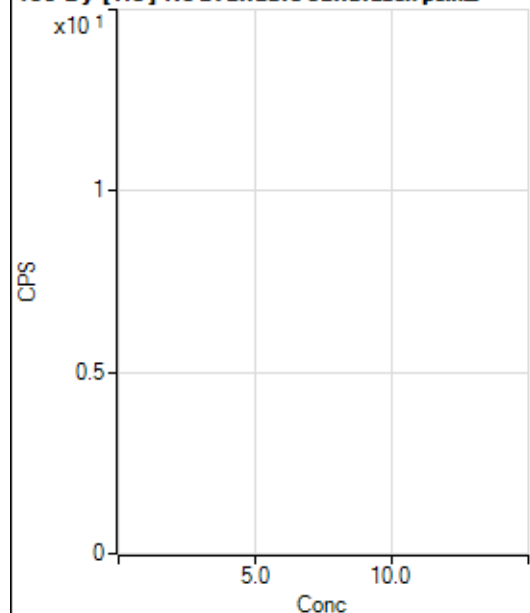
|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS    | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|--------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 6.67   |       | P    | 100. |
| 2 | <input type="checkbox"/> |       |            | 2.22   |       | P    | 173. |
| 3 | <input type="checkbox"/> |       |            | 6.67   |       | P    | 100. |
| 4 | <input type="checkbox"/> |       |            | 24.44  |       | P    | 31.5 |
| 5 | <input type="checkbox"/> |       |            | 28.89  |       | P    | 48.0 |
| 6 | <input type="checkbox"/> |       |            | 60.00  |       | P    | 33.3 |
| 7 | <input type="checkbox"/> |       |            | 122.23 |       | P    | 6.3  |
| 8 | <input type="checkbox"/> |       |            | 11.11  |       | P    | 34.6 |

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

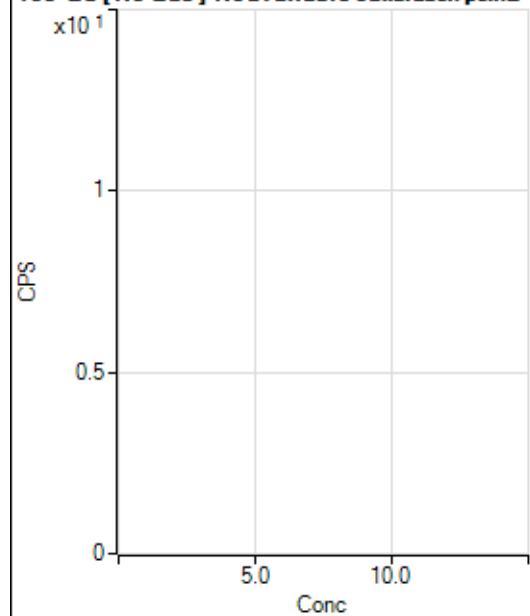
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 114. |
| 5 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100. |
| 6 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 66.1 |
| 7 | <input type="checkbox"/> |       |            | 15.55 |       | P        | 68.9 |
| 8 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 173. |

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

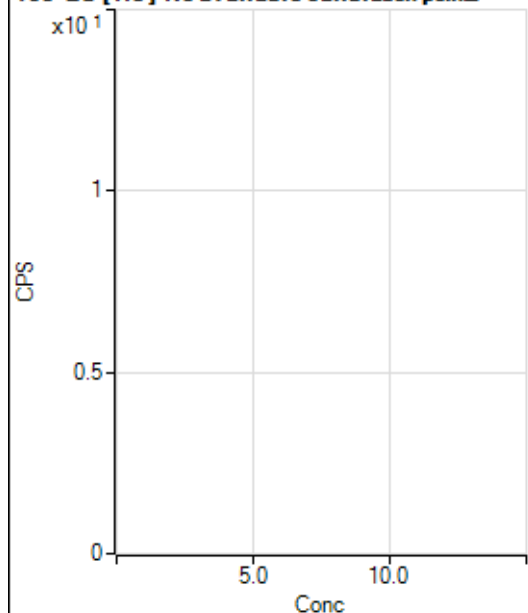
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 17.3 |
| 2 | <input type="checkbox"/> |       |            | 16.67  |       | P        | NaN  |
| 3 | <input type="checkbox"/> |       |            | 13.89  |       | P        | 91.6 |
| 4 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 21.6 |
| 5 | <input type="checkbox"/> |       |            | 30.55  |       | P        | 15.7 |
| 6 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 25.0 |
| 7 | <input type="checkbox"/> |       |            | 77.78  |       | P        | 16.4 |
| 8 | <input type="checkbox"/> |       |            | 152.78 |       | P        | 19.2 |

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

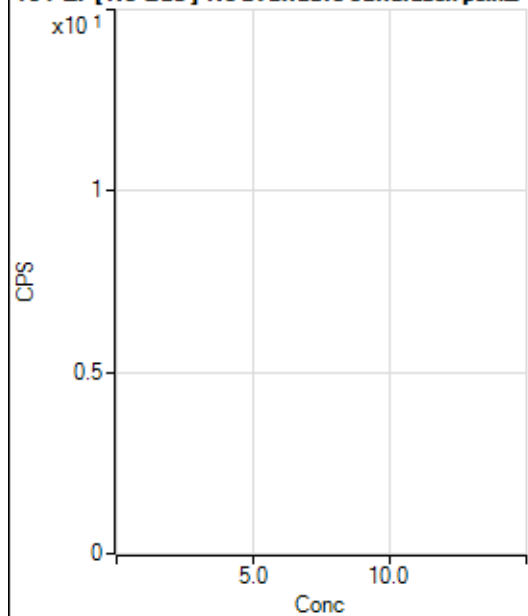
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 86.6 |
| 5 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 57.3 |
| 6 | <input type="checkbox"/> |       |            | 21.11 |       | P        | 24.1 |
| 7 | <input type="checkbox"/> |       |            | 24.45 |       | P        | 28.4 |
| 8 | <input type="checkbox"/> |       |            | 92.22 |       | P        | 18.6 |

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

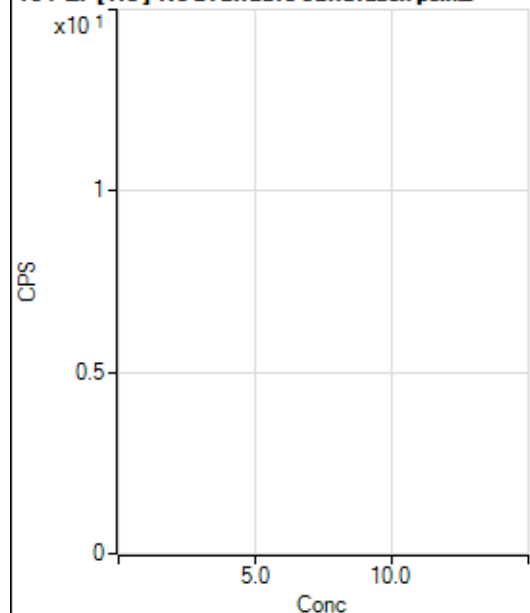
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 33.3 |
| 2 | <input type="checkbox"/> |       |            | 13.89  |       | P        | 34.7 |
| 3 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 68.9 |
| 4 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 35.3 |
| 5 | <input type="checkbox"/> |       |            | 47.22  |       | P        | 44.4 |
| 6 | <input type="checkbox"/> |       |            | 41.67  |       | P        | 40.0 |
| 7 | <input type="checkbox"/> |       |            | 80.56  |       | P        | 83.6 |
| 8 | <input type="checkbox"/> |       |            | 197.23 |       | P        | 17.6 |

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

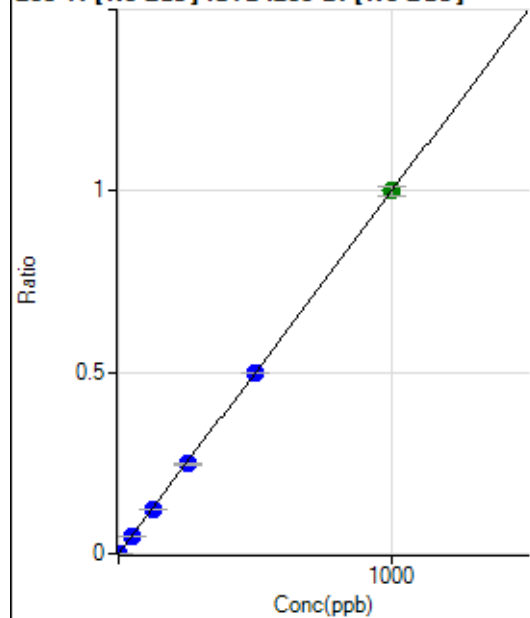
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 33.3 |
| 2 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7 |
| 3 | <input type="checkbox"/> |       |            | 15.55 |       | P        | 24.8 |
| 4 | <input type="checkbox"/> |       |            | 14.44 |       | P        | 13.4 |
| 5 | <input type="checkbox"/> |       |            | 16.67 |       | P        | NaN  |
| 6 | <input type="checkbox"/> |       |            | 28.89 |       | P        | 17.6 |
| 7 | <input type="checkbox"/> |       |            | 31.11 |       | P        | 24.7 |
| 8 | <input type="checkbox"/> |       |            | 96.67 |       | P        | 9.1  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 43.3 |
| 2 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 50.0 |
| 3 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 88.2 |
| 4 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 50.0 |
| 5 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 45.8 |
| 6 | <input type="checkbox"/> |       |            | 44.45 |       | P        | 10.8 |
| 7 | <input type="checkbox"/> |       |            | 47.22 |       | P        | 44.4 |
| 8 | <input type="checkbox"/> |       |            | 44.44 |       | P        | 21.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 108. |
| 2 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 57.3 |
| 3 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 65.5 |
| 4 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 17.3 |
| 5 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 45.8 |
| 6 | <input type="checkbox"/> |       |            | 15.56 |       | P        | 75.3 |
| 7 | <input type="checkbox"/> |       |            | 15.55 |       | P        | 44.6 |
| 8 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 91.6 |

**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      | 25.00      | 0.0000 | P        | 1.2  |
| 2 | <input type="checkbox"/> | 1.000    | 0.960      | 1714.05    | 0.0010 | P        | 14.1 |
| 3 | <input type="checkbox"/> | 50.000   | 48.654     | 87074.43   | 0.0486 | P        | 2.0  |
| 4 | <input type="checkbox"/> | 125.000  | 122.502    | 219900.31  | 0.1224 | P        | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 247.434    | 438289.89  | 0.2472 | P        | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 499.184    | 879010.23  | 0.4987 | P        | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.429   | 1748921.83 | 1.0004 | A        | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 1344.55    | 0.0008 | P        | 13.1 |

$$y = 9.9891E-004 * x + 1.4116E-005$$

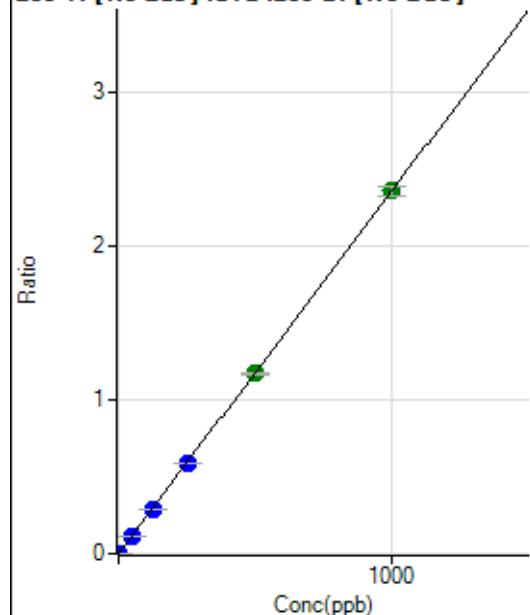
$$R = 1.0000$$

$$DL = 0.0005045$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 30.55      | 0.0000 | P   | 68.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.950      | 3975.73    | 0.0023 | P   | 2.1  |
| 3 | <input type="checkbox"/> | 50.000   | 48.487     | 204781.26  | 0.1143 | P   | 1.8  |
| 4 | <input type="checkbox"/> | 125.000  | 123.038    | 521233.75  | 0.2901 | P   | 2.0  |
| 5 | <input type="checkbox"/> | 250.000  | 249.323    | 1042281.08 | 0.5878 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 497.591    | 2067910.29 | 1.1731 | A   | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.695   | 4128357.38 | 2.3615 | A   | 2.7  |
| 8 | <input type="checkbox"/> |          |            | 2925.42    | 0.0017 | P   | 9.2  |

$$y = 0.0024 * x + 1.7295E-005$$

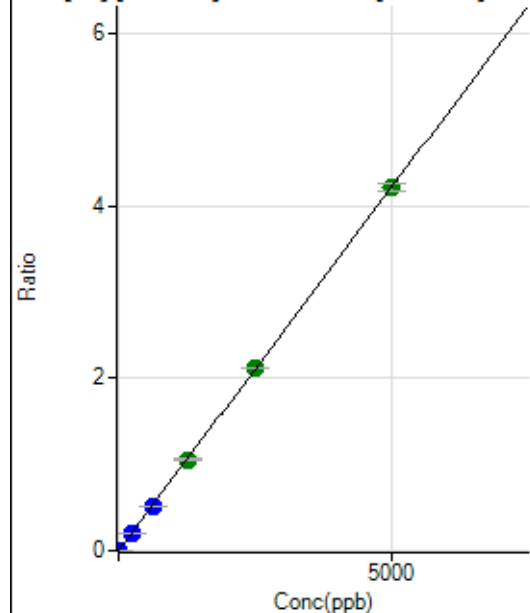
$$R = 1.0000$$

$$DL = 0.01509$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 314.82     | 0.0002 | P   | 25.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.926      | 1689.03    | 0.0010 | P   | 6.7  |
| 3 | <input type="checkbox"/> | 250.000  | 240.907    | 364616.73  | 0.2036 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 625.000  | 604.982    | 918023.24  | 0.5109 | P   | 1.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1249.925   | 1871455.60 | 1.0554 | A   | 1.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2520.313   | 3751068.34 | 2.1279 | A   | 0.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4992.819   | 7369544.38 | 4.2153 | A   | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 8877.28    | 0.0052 | P   | 3.4  |

$$y = 8.4424E-004 * x + 1.7783E-004$$

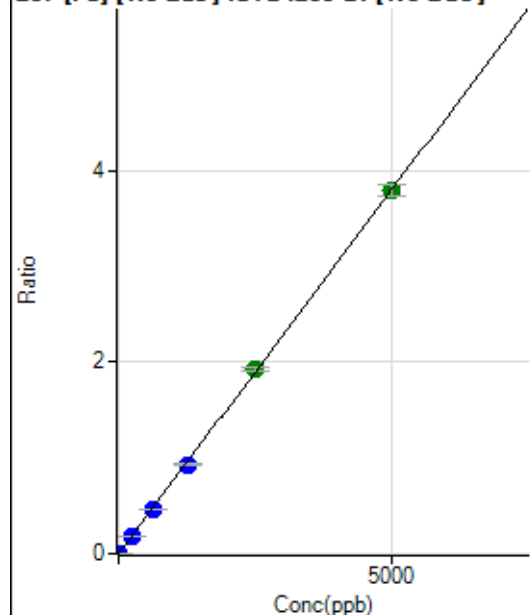
$$R = 1.0000$$

$$DL = 0.1589$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 274.08     | 0.0002 | P    | 14.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.911      | 1492.71    | 0.0008 | P    | 7.0  |
| 3 | <input type="checkbox"/> | 250.000  | 239.288    | 325946.80  | 0.1820 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 625.000  | 606.182    | 827853.61  | 0.4608 | P    | 2.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1226.545   | 1652869.24 | 0.9321 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2538.028   | 3399855.11 | 1.9287 | A    | 1.7  |
| 7 | <input type="checkbox"/> | 5000.000 | 4989.738   | 6627919.65 | 3.7916 | A    | 3.2  |
| 8 | <input type="checkbox"/> |          |            | 7654.26    | 0.0045 | P    | 2.9  |

$$y = 7.5984\text{E-}004 * x + 1.5492\text{E-}004$$

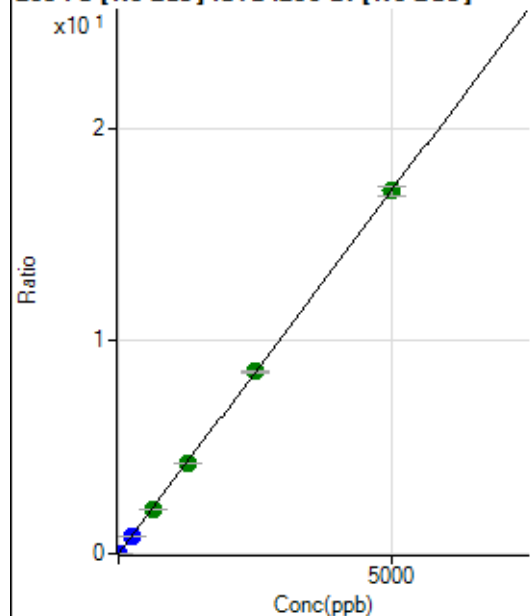
$$R = 0.9999$$

$$DL = 0.08795$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1237.09     | 0.0007  | P    | 6.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.917      | 6739.71     | 0.0038  | P    | 1.0 |
| 3 | <input type="checkbox"/> | 250.000  | 240.717    | 1471591.06  | 0.8216  | P    | 1.5 |
| 4 | <input type="checkbox"/> | 625.000  | 614.033    | 3763491.51  | 2.0947  | A    | 2.0 |
| 5 | <input type="checkbox"/> | 1250.000 | 1241.914   | 7511094.37  | 4.2358  | A    | 0.6 |
| 6 | <input type="checkbox"/> | 2500.000 | 2511.182   | 15096737.23 | 8.5642  | A    | 0.7 |
| 7 | <input type="checkbox"/> | 5000.000 | 4998.266   | 29799288.22 | 17.0456 | A    | 2.5 |
| 8 | <input type="checkbox"/> |          |            | 34902.23    | 0.0206  | P    | 1.2 |

$$y = 0.0034 * x + 6.9863\text{E-}004$$

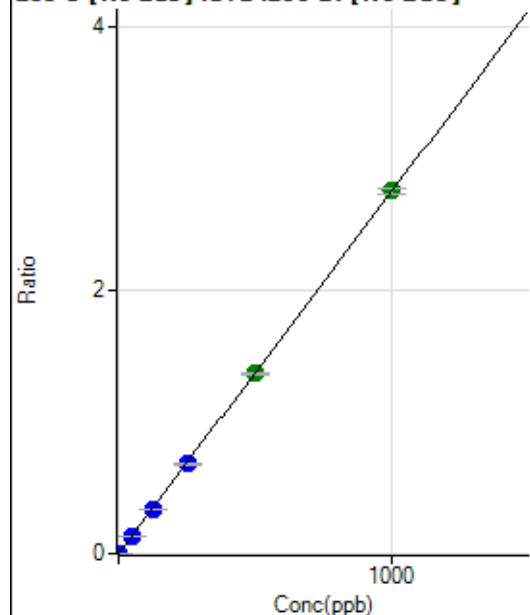
$$R = 1.0000$$

$$DL = 0.0376$$

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      | 16.66      | 0.0000 | P        | 85.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.903      | 4381.45    | 0.0025 | P        | 6.1  |
| 3 | <input type="checkbox"/> | 50.000   | 48.518     | 238536.94  | 0.1332 | P        | 2.0  |
| 4 | <input type="checkbox"/> | 125.000  | 122.175    | 602613.43  | 0.3353 | P        | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 247.224    | 1203225.68 | 0.6786 | P        | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 497.013    | 2404819.39 | 1.3642 | A        | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.615   | 4811591.69 | 2.7519 | A        | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 591.70     | 0.0003 | P        | 13.1 |

$$y = 0.0027 * x + 9.3590E-006$$

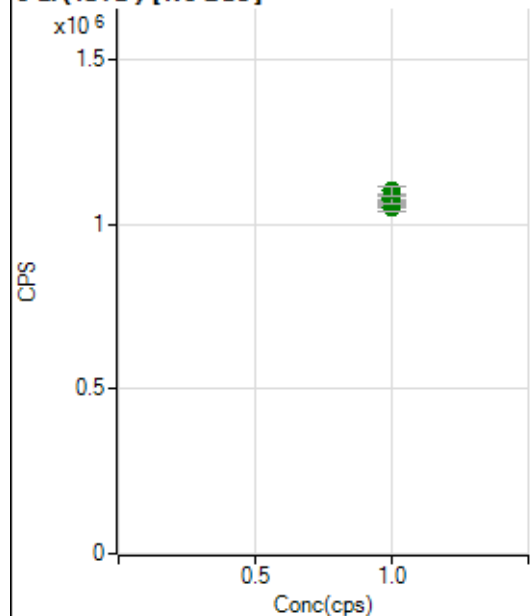
$$R = 1.0000$$

$$DL = 0.008766$$

Weight: &lt;None&gt;

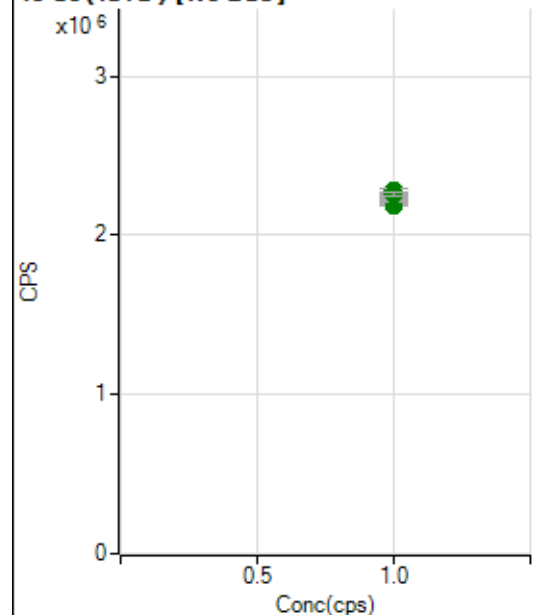
Min Conc: 0

6 Li (ISTD) [No Gas]

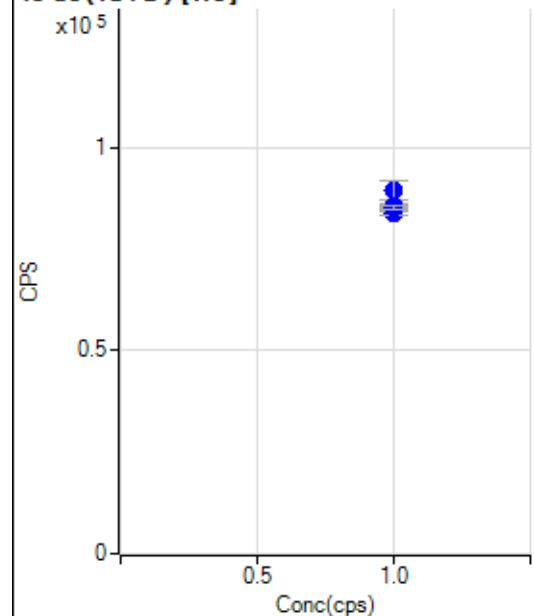


|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1059854.97 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1062095.15 |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1051733.47 |       | A        | 2.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1066555.61 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1080118.97 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1080127.54 |       | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1072868.74 |       | A        | 2.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1100783.48 |       | A        | 2.8 |

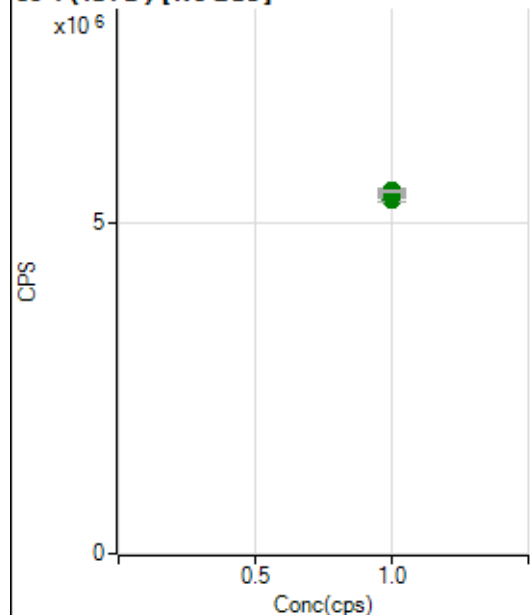


**45 Sc (ISTD) [No Gas]**

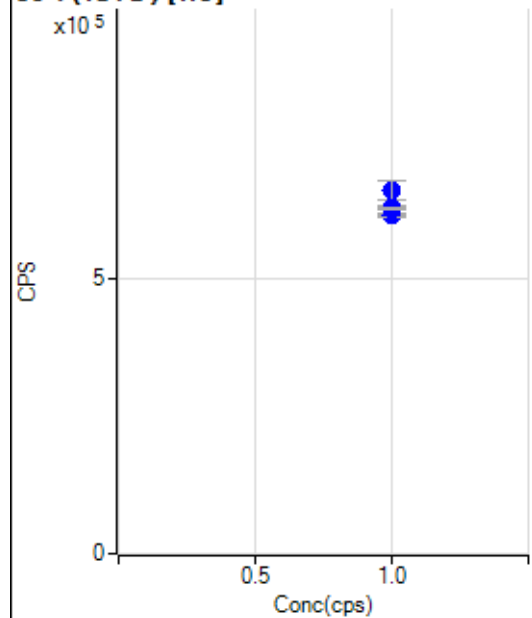
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2193129.76 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2213978.33 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2219566.29 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2229037.92 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2227584.91 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2279873.14 |       | A        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2217747.80 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2258352.90 |       | A        | 1.0 |

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

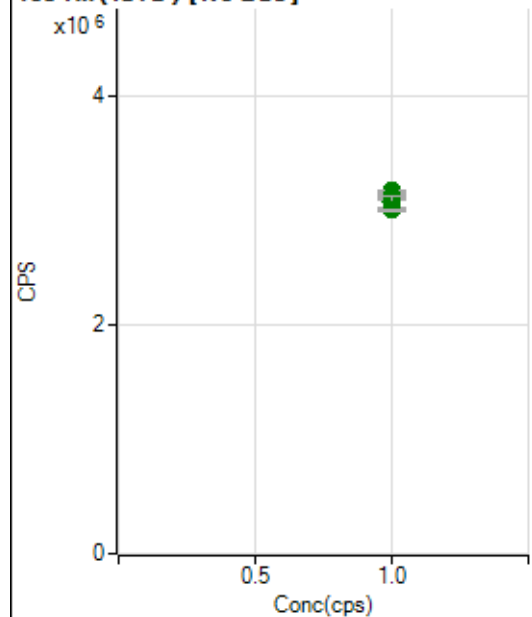
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 83687.16 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 83911.96 |       | P        | 2.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 89230.41 |       | P        | 5.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 85806.31 |       | P        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 85136.84 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 85371.21 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 85571.59 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 85139.11 |       | P        | 1.3 |

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

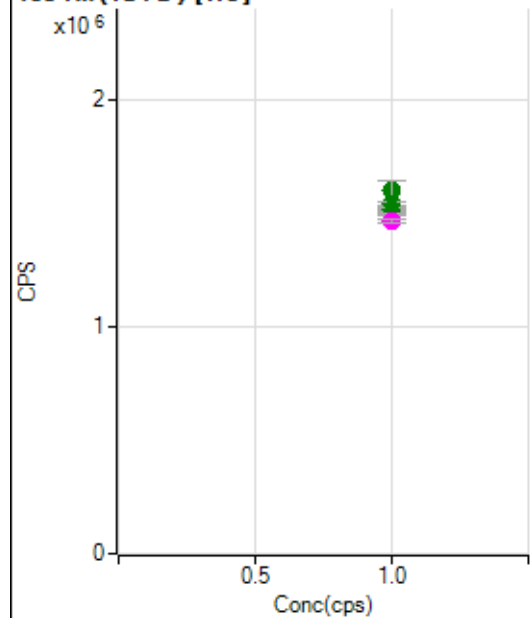
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5342643.81 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5399655.34 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5435804.92 |       | A        | 2.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5407610.06 |       | A        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5478558.32 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5477722.14 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5469113.60 |       | A        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5466894.44 |       | A        | 0.5 |

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

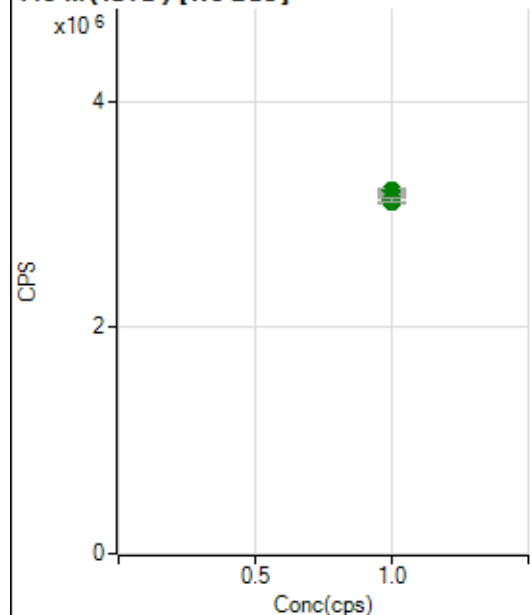
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 616097.75 |       | P        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 612960.70 |       | P        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 658060.31 |       | P        | 5.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 629210.81 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 628675.23 |       | P        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 629035.93 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 625661.32 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 626478.64 |       | P        | 0.4 |

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

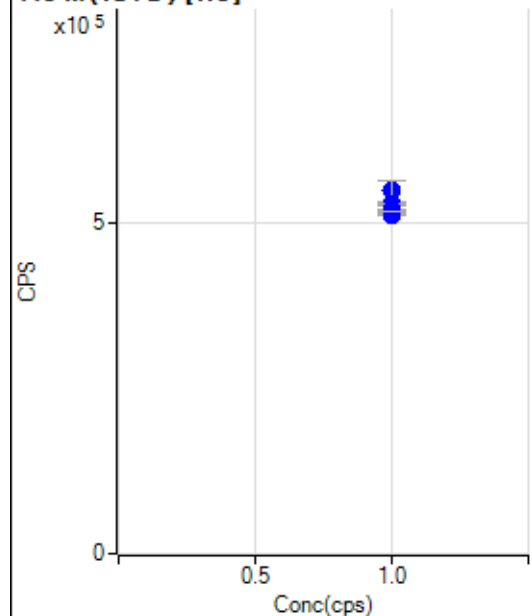
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3093906.45 |       | A        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3133366.35 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3139191.54 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3166752.07 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3125488.72 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3099034.62 |       | A        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3071955.43 |       | A        | 2.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2999519.21 |       | A        | 0.3 |

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

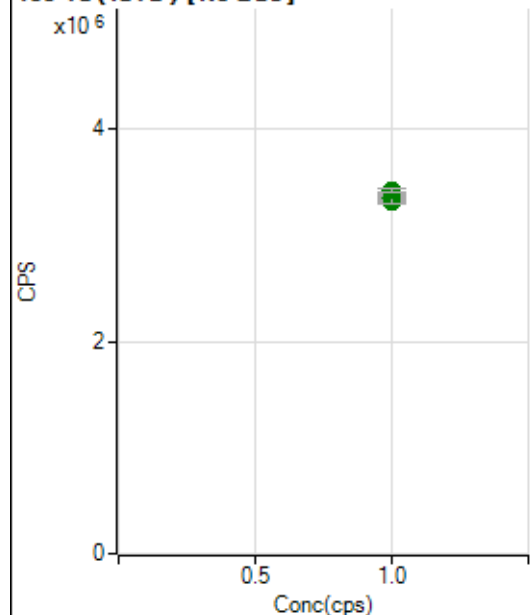
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1520961.91 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1511548.71 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1598068.06 |       | A        | 5.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1539163.81 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1539324.58 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1516999.89 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1495502.90 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1468162.46 |       | M        | 1.2 |

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

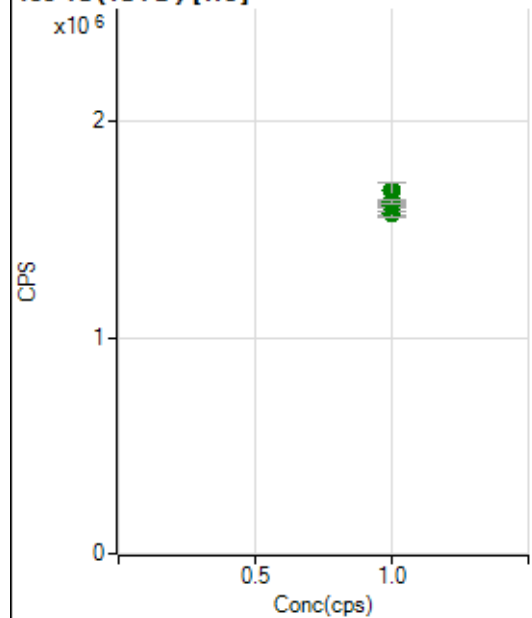
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3110291.12 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3175671.76 |       | A        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3202065.87 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3209799.27 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3210133.65 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3175728.72 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3133036.87 |       | A        | 2.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3131172.75 |       | A        | 1.2 |

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

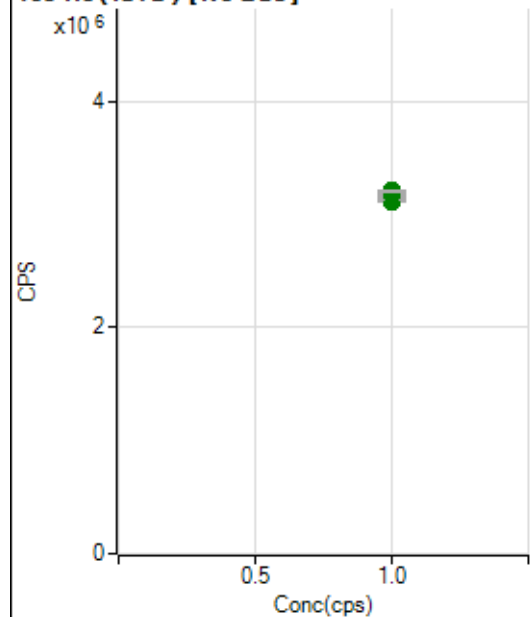
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 515584.74 |       | P        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 515196.34 |       | P        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 549727.89 |       | P        | 5.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 528937.21 |       | P        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 527645.92 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 522008.98 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 514221.85 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 518787.10 |       | P        | 0.4 |

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

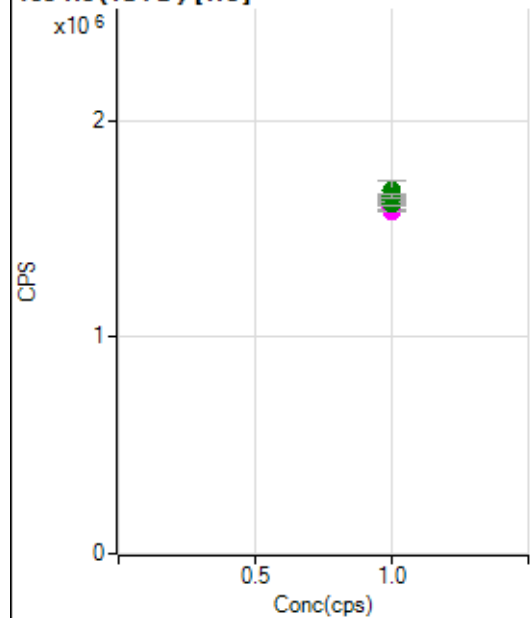
|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3310264.74 |       | A    | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3346520.02 |       | A    | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3344929.33 |       | A    | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3372983.74 |       | A    | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3390068.56 |       | A    | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3376165.12 |       | A    | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3342602.28 |       | A    | 2.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3415831.27 |       | A    | 1.1 |

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

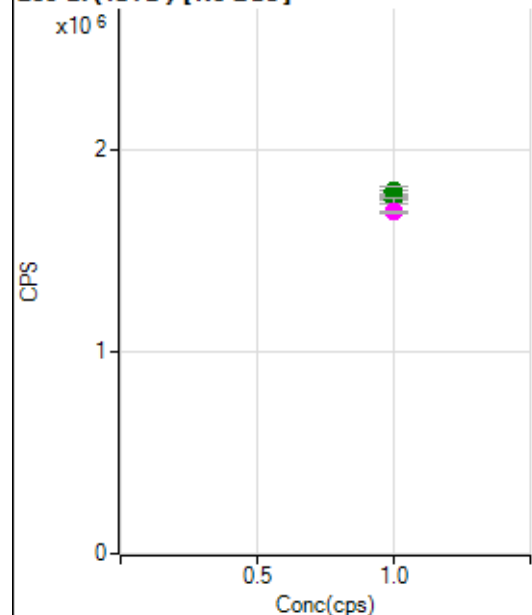
|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1575410.07 |       | A    | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1571154.63 |       | A    | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1678234.44 |       | A    | 4.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1611808.43 |       | A    | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1622414.47 |       | A    | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1610562.58 |       | A    | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1618556.33 |       | A    | 1.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1628650.38 |       | A    | 1.4 |

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

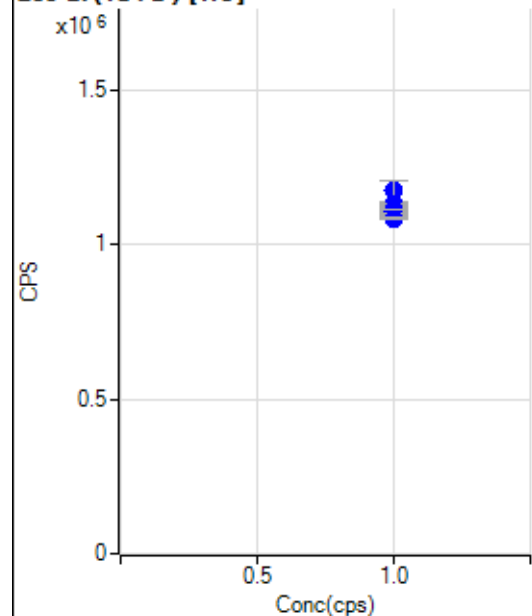
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3112717.86 |       | A        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3145761.05 |       | A        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3153868.86 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3138776.98 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3176615.41 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3179627.94 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3186753.13 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3205592.95 |       | A        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1582992.84 |       | M        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1595183.50 |       | M        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1675492.63 |       | A        | 6.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1619408.27 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1648049.23 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1630248.83 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1616103.19 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1651984.12 |       | A        | 0.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1771187.23 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1761227.68 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1791386.59 |       | A        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1797242.85 |       | A        | 2.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1773210.98 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1762831.21 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1748780.32 |       | A        | 2.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1692474.25 |       | M        | 0.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1100041.53 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1100227.29 |       | P        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1173949.21 |       | P        | 5.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1120443.32 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1130626.42 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1114585.43 |       | P        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1107047.81 |       | P        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1084619.18 |       | P        | 0.4 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8110320IMS.b  
Acq. Date-Time 2020-11-03 11:03:07  
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    |              | 1780  | 17796.11  |                            |             | 0.852  | 5.000           |
| 24   |              | 22247 | 222471.70 |                            |             | 0.275  | 5.000           |
| 25   |              | 2958  | 29583.37  |                            |             | 0.278  | 5.000           |
| 26   |              | 3315  | 33146.05  |                            |             | 0.258  | 5.000           |
| 59   |              | 11957 | 119567.67 |                            |             | 0.485  | 5.000           |
| 113  |              | 1785  | 17851.97  |                            |             | 0.695  | 5.000           |
| 115  |              | 5736  | 57360.42  |                            |             | 0.904  | 5.000           |
| 206  |              | 1803  | 18027.49  |                            |             | 1.442  | 5.000           |
| 207  |              | 1516  | 15158.40  |                            |             | 1.035  | 5.000           |
| 208  |              | 3697  | 36967.24  |                            |             | 1.055  | 5.000           |
| 220  |              | 1     | 8.90      |                            |             | 26.767 |                 |

| 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    | 1793        | 1785        | 1785        | 1782        | 1754        |
| 24   | 22250       | 22164       | 22337       | 22248       | 22236       |
| 25   | 2968        | 2951        | 2949        | 2964        | 2960        |
| 26   | 3308        | 3306        | 3317        | 3327        | 3315        |
| 59   | 11891       | 11933       | 11934       | 11983       | 12043       |
| 113  | 1780        | 1779        | 1771        | 1803        | 1792        |
| 115  | 5808        | 5742        | 5748        | 5718        | 5664        |
| 206  | 1759        | 1806        | 1804        | 1823        | 1821        |
| 207  | 1490        | 1514        | 1519        | 1530        | 1525        |
| 208  | 3658        | 3659        | 3697        | 3746        | 3723        |

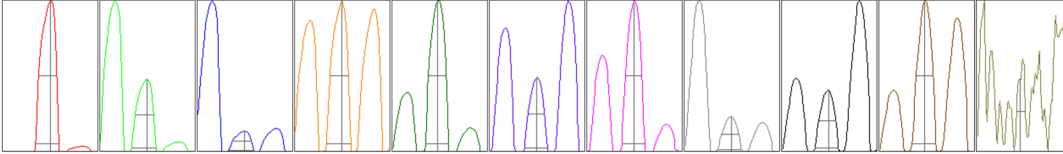


# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 3311.57     | 9.05   | 8.90 - 9.10     |             |
| 24   | 40114.69    | 24.00  | 23.90 - 24.10   |             |
| 25   | 5277.26     | 25.00  | 24.90 - 25.10   |             |
| 26   | 6069.99     | 26.00  | 25.90 - 26.10   |             |
| 59   | 22529.08    | 58.95  | 58.90 - 59.10   |             |
| 113  | 3634.35     | 113.00 | 112.90 - 113.10 |             |
| 115  | 11633.83    | 115.00 | 114.90 - 115.10 |             |
| 206  | 3523.99     | 206.00 | 205.90 - 206.10 |             |
| 207  | 2908.92     | 207.00 | 206.90 - 207.10 |             |
| 208  | 7260.05     | 207.95 | 207.90 - 208.10 |             |
| 220  | 1.00        | 219.90 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.56  | 0.735 | 0.900           |             |
| 24   | 0.58  | 0.780 | 0.900           |             |
| 25   | 0.60  | 0.777 | 0.900           |             |
| 26   | 0.58  | 0.779 | 0.900           |             |
| 59   | 0.56  | 0.732 | 0.900           |             |
| 113  | 0.51  | 0.722 | 0.900           |             |
| 115  | 0.51  | 0.726 | 0.900           |             |
| 206  | 0.54  | 0.748 | 0.900           |             |
| 207  | 0.54  | 0.739 | 0.900           |             |
| 208  | 0.53  | 0.760 | 0.900           |             |
| 220  | 0.28  |       |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode HMI Nebulizer Gas 0.51 L/min Dilution Gas 0.46 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    | 10.3 V | Deflect    | 14.8 V |
| Extract 2  | -230.0 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      | 170 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 122 | Axis Gain   | 0.9991 | QP Bias | -4.0 V |
| Mass Offset | 125 | Axis Offset | -0.02  |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 0.7 mm | Torch V | -0.2 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.9 mV | Analog HV | 2180 V | Pulse HV | 1320 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS      | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 2814  | 28139.10 |                            |             | 2.707 |                 |
| 89   |              | 6328  | 63284.62 |                            |             | 2.559 |                 |
| 205  |              | 5045  | 50448.68 |                            |             | 2.617 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 2818        | 2848        | 2681        | 2866        | 2855        |
| 89   | 6375        | 6376        | 6062        | 6500        | 6329        |
| 205  | 5104        | 5109        | 4810        | 5124        | 5078        |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |         |                |            |               |            |
|--------------|---------|----------------|------------|---------------|------------|
| Plasma Mode  | HMI     | Nebulizer Gas  | 0.51 L/min | Dilution Gas  | 0.46 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 | 10.3 V | Deflect | 5.0 V |
|-----------|--------|------------|--------|---------|-------|

# US EPA Tune Check Report

|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -230.0 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                | 122        | Axis Gain     | 0.9991  | QP Bias               | -13.0 V |
| Mass Offset              | 125        | Axis Offset   | -0.02   |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | 0.7 mm     | Torch V       | -0.2 mm |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 3.9 mV     | Analog HV     | 2180 V  | Pulse HV              | 1320 V  |