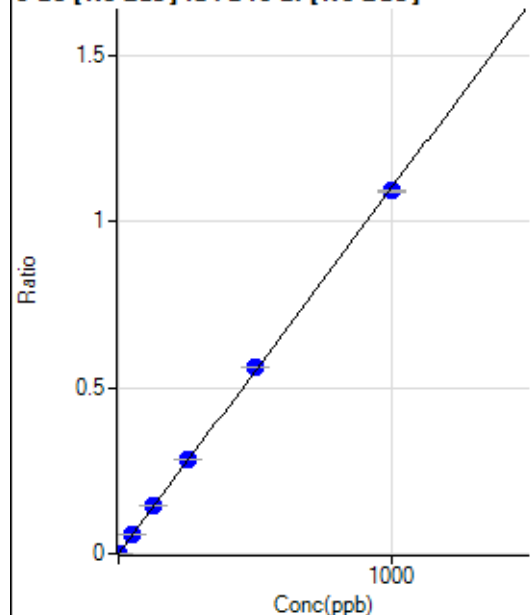


Batch Folder: D:\ICP-MS Data\P7112118-MS.b\  
Analysis File: P7112118-MS.batch.bin  
DA Date-Time: 2018-11-21 17:59:24  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2018-11-21 12:32:55 |
| 2     |                    |             |                     |
| 3     | 005CALS.d          | S02         | 2018-11-21 12:40:58 |
| 4     | 006CALS.d          | S03         | 2018-11-21 12:44:52 |
| 5     | 007CALS.d          | S04         | 2018-11-21 12:49:01 |
| 6     | 008CALS.d          | S05         | 2018-11-21 12:52:48 |
| 7     | 009CALS.d          | S06         | 2018-11-21 12:56:33 |
| 8     | 010CALS.d          | S07         | 2018-11-21 13:00:17 |
| 9     | 011CALS.d          | S08         | 2018-11-21 13:04:02 |

**9 Be [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      | 38.89      | 0.0000 | P        | 27.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.070      | 4552.65    | 0.0012 | P        | 2.3  |
| 4 | <input type="checkbox"/> | 50.000   | 52.487     | 221248.36  | 0.0578 | P        | 0.3  |
| 5 | <input type="checkbox"/> | 125.000  | 129.811    | 513423.98  | 0.1430 | P        | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 258.570    | 918468.66  | 0.2848 | P        | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 509.474    | 1779206.07 | 0.5611 | P        | 0.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.395    | 3429956.67 | 1.0930 | P        | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 711.15     | 0.0002 | P        | 8.4  |

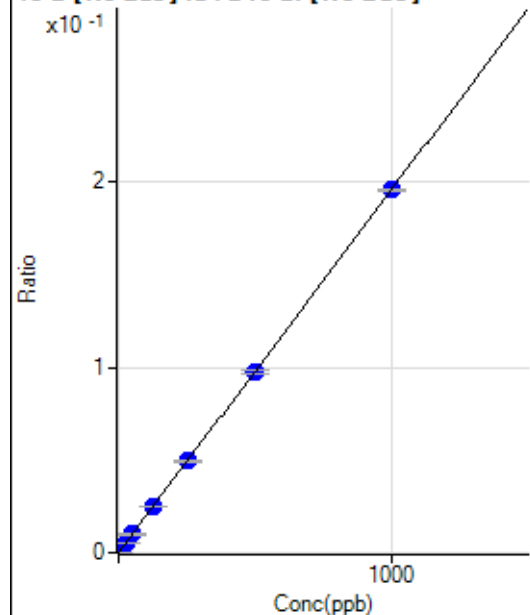
$$y = 0.0011 * x + 1.0299E-005$$

$$R = 0.9999$$

$$DL = 0.007579$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 344.46    | 0.0001 | P        | 13.1 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |          |      |
| 3 | <input type="checkbox"/> | 25.000   | 25.039     | 19107.18  | 0.0050 | P        | 2.0  |
| 4 | <input type="checkbox"/> | 50.000   | 50.302     | 38012.83  | 0.0099 | P        | 1.6  |
| 5 | <input type="checkbox"/> | 125.000  | 125.797    | 88712.83  | 0.0247 | P        | 2.0  |
| 6 | <input type="checkbox"/> | 250.000  | 252.798    | 159826.82 | 0.0496 | P        | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 498.890    | 309843.88 | 0.0977 | P        | 1.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.740    | 614248.71 | 0.1957 | P        | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 13745.65  | 0.0037 | P        | 5.4  |

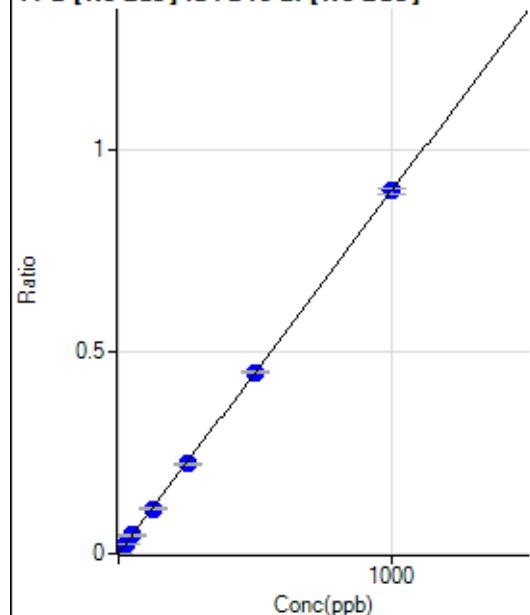
$$y = 1.9568E-004 * x + 9.0543E-005$$

$$R = 1.0000$$

$$DL = 0.1817$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1586.25    | 0.0004 | P   | 11.7 |
| 2 | <input type="checkbox"/> | 2.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 25.000   | 25.074     | 87690.15   | 0.0229 | P   | 1.1  |
| 4 | <input type="checkbox"/> | 50.000   | 50.083     | 173454.29  | 0.0453 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 125.000  | 123.365    | 398672.61  | 0.1110 | P   | 2.4  |
| 6 | <input type="checkbox"/> | 250.000  | 248.468    | 719867.87  | 0.2232 | P   | 2.0  |
| 7 | <input type="checkbox"/> | 500.000  | 499.818    | 1422474.36 | 0.4486 | P   | 1.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.672   | 2817417.16 | 0.8977 | P   | 1.4  |
| 9 | <input type="checkbox"/> |          |            | 61512.31   | 0.0167 | P   | 4.1  |

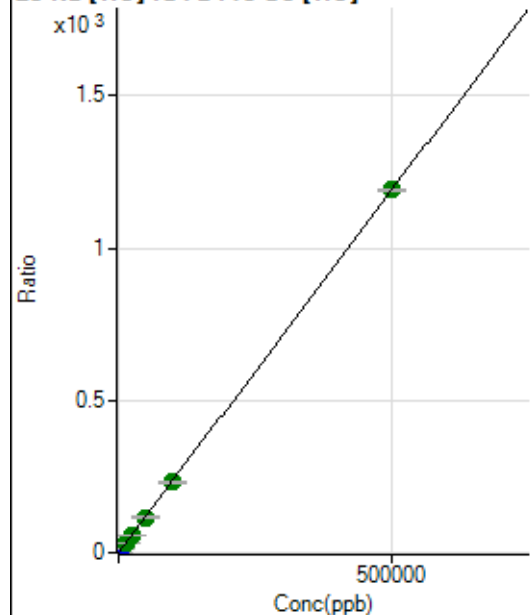
$$y = 8.9669E-004 * x + 4.1812E-004$$

$$R = 1.0000$$

$$DL = 0.1636$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS          | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|--------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 14415.77     | 0.0447    | P   | 2.0 |
| 2 | <input type="checkbox"/> | 50.000    |            |              |           |     |     |
| 3 | <input type="checkbox"/> | 500.000   | 494.133    | 398148.79    | 1.2200    | P   | 0.8 |
| 4 | <input type="checkbox"/> | 5000.000  | 4879.376   | 3740183.94   | 11.6504   | P   | 0.8 |
| 5 | <input type="checkbox"/> | 12500.000 | 12236.572  | 8356630.31   | 29.1495   | A   | 0.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 24633.423  | 15735169.79  | 58.6355   | A   | 0.6 |
| 7 | <input type="checkbox"/> | 50000.000 | 48961.072  | 31899994.12  | 116.4990  | A   | 0.6 |
| 8 | <input type="checkbox"/> | 100000.00 | 97178.365  | 64374610.47  | 231.1843  | A   | 0.7 |
| 9 | <input type="checkbox"/> | 500000.00 | 500694.34  | 397892253.34 | 1,190.950 | A   | 0.6 |

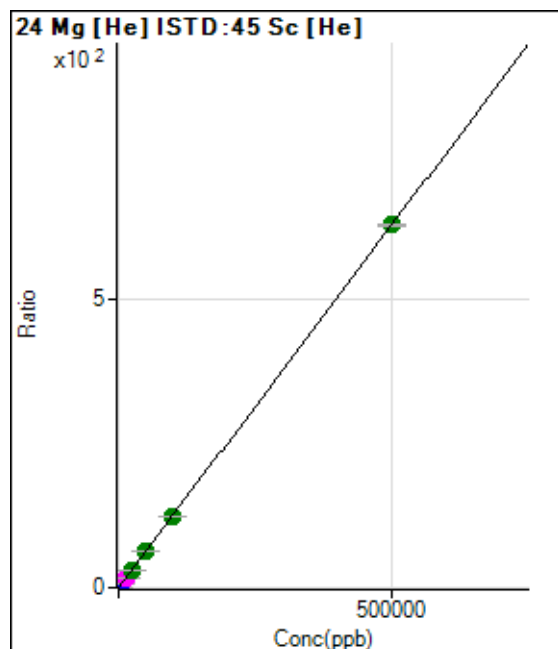
$$y = 0.0024 * x + 0.0447$$

$$R = 1.0000$$

$$DL = 1.116$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS          | Ratio    | Det | RSD  |
|---|--------------------------|-----------|------------|--------------|----------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 127.78       | 0.0004   | P   | 27.3 |
| 2 | <input type="checkbox"/> | 50.000    |            |              |          |     |      |
| 3 | <input type="checkbox"/> | 500.000   | 501.206    | 205504.41    | 0.6297   | P   | 0.5  |
| 4 | <input type="checkbox"/> | 5000.000  | 4980.181   | 2007546.70   | 6.2534   | P   | 1.0  |
| 5 | <input type="checkbox"/> | 12500.000 | 12473.518  | 4489985.95   | 15.6620  | M   | 0.8  |
| 6 | <input type="checkbox"/> | 25000.000 | 24887.615  | 8385794.20   | 31.2489  | A   | 0.7  |
| 7 | <input type="checkbox"/> | 50000.000 | 49317.133  | 16955782.32  | 61.9222  | A   | 0.4  |
| 8 | <input type="checkbox"/> | 100000.00 | 97416.805  | 34059455.28  | 122.3154 | A   | 0.7  |
| 9 | <input type="checkbox"/> | 500000.00 | 500591.40  | 209995560.25 | 628.5353 | A   | 0.5  |

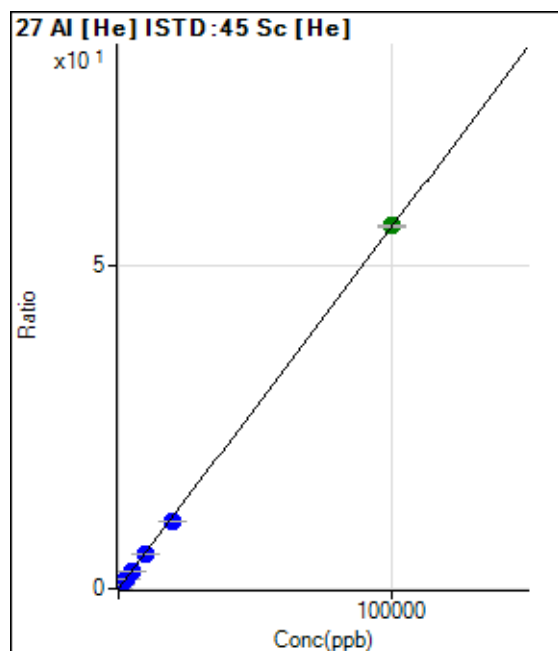
$$y = 0.0013 * x + 3.9735E-004$$

$$R = 1.0000$$

$$DL = 0.2592$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 55.56       | 0.0002  | P   | 46.6 |
| 2 | <input type="checkbox"/> | 2.000     |            |             |         |     |      |
| 3 | <input type="checkbox"/> | 20.000    | 19.508     | 3611.70     | 0.0111  | P   | 9.3  |
| 4 | <input type="checkbox"/> | 1000.000  | 958.683    | 171992.32   | 0.5357  | P   | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2415.362   | 386865.16   | 1.3495  | P   | 0.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 4841.668   | 725886.54   | 2.7049  | P   | 0.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 9529.345   | 1457746.50  | 5.3236  | P   | 0.5  |
| 8 | <input type="checkbox"/> | 20000.000 | 18487.220  | 2875880.79  | 10.3279 | P   | 0.7  |
| 9 | <input type="checkbox"/> | 100000.00 | 100360.06  | 18731930.63 | 56.0652 | A   | 0.3  |

$$y = 5.5864E-004 * x + 1.7289E-004$$

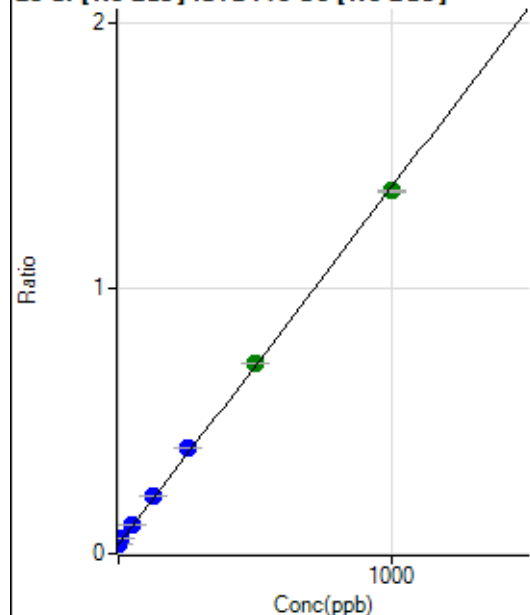
$$R = 0.9999$$

$$DL = 0.4323$$

Weight: <None>

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      | 248286.09  | 0.0341 | P    | 0.3 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 10.000   | 15.257     | 414004.26  | 0.0547 | P    | 0.4 |
| 4 | <input type="checkbox"/> | 50.000   | 56.717     | 834521.82  | 0.1105 | P    | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 138.359    | 1560623.88 | 0.2204 | P    | 0.1 |
| 6 | <input type="checkbox"/> | 250.000  | 271.534    | 2536141.44 | 0.3997 | P    | 0.3 |
| 7 | <input type="checkbox"/> | 500.000  | 505.828    | 4497174.41 | 0.7151 | A    | 0.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 989.644    | 8577051.93 | 1.3664 | A    | 0.8 |
| 9 | <input type="checkbox"/> |          |            | 1104497.18 | 0.1483 | P    | 4.0 |

$$y = 0.0013 * x + 0.0341$$

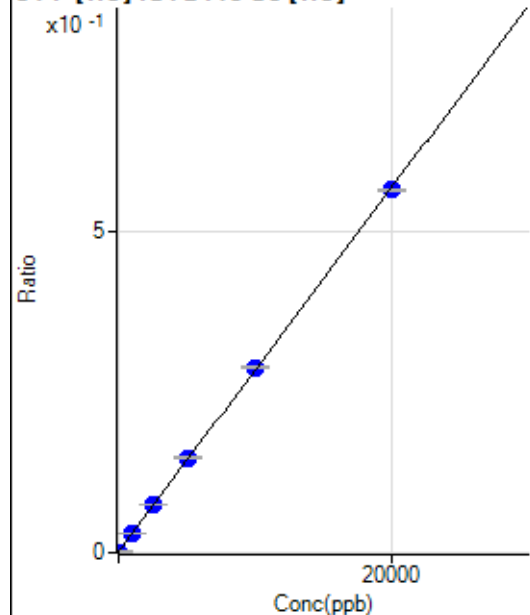
$$R = 0.9997$$

$$DL = 0.219$$

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     | -3.493     | 400.03    | 0.0012 | P    | 1.2  |
| 2 | <input type="checkbox"/> | 0.000     |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 0.000     | 3.493      | 469.47    | 0.0014 | P    | 8.0  |
| 4 | <input type="checkbox"/> | 1000.000  | 1022.277   | 9720.21   | 0.0303 | P    | 4.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2580.700   | 21329.82  | 0.0744 | P    | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 5162.479   | 39581.30  | 0.1475 | P    | 1.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 10130.704  | 78903.45  | 0.2882 | P    | 0.4  |
| 8 | <input type="checkbox"/> | 20000.000 | 19882.827  | 157127.11 | 0.5642 | P    | 0.9  |
| 9 | <input type="checkbox"/> |           |            | 552.81    | 0.0017 | P    | 13.9 |

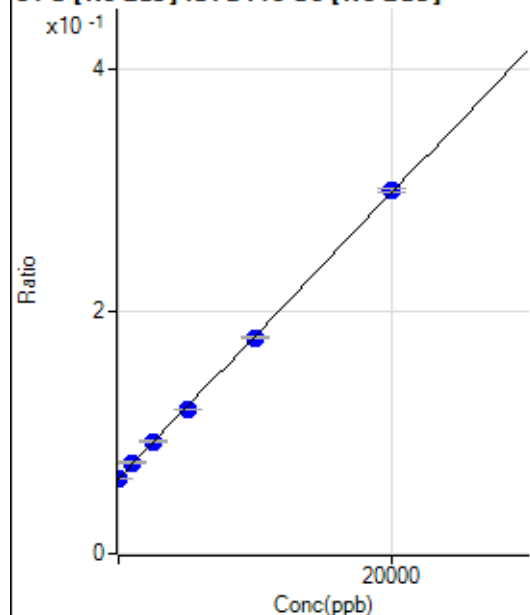
$$y = 2.8311E-005 * x + 0.0013$$

$$R = 0.9999$$

$$DL = 6.868$$

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     | 11.588     | 453507.38  | 0.0623 | P   | 1.3 |
| 2 | <input type="checkbox"/> | 0.000     |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 0.000     | -11.588    | 469966.23  | 0.0620 | P   | 0.5 |
| 4 | <input type="checkbox"/> | 1000.000  | 1119.347   | 569563.81  | 0.0754 | P   | 0.4 |
| 5 | <input type="checkbox"/> | 2500.000  | 2588.216   | 656789.31  | 0.0927 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 5000.000  | 4847.952   | 757869.30  | 0.1194 | P   | 0.7 |
| 7 | <input type="checkbox"/> | 10000.000 | 9810.288   | 1119627.85 | 0.1780 | P   | 0.8 |
| 8 | <input type="checkbox"/> | 20000.000 | 20115.874  | 1881442.75 | 0.2997 | P   | 1.0 |
| 9 | <input type="checkbox"/> |           |            | 400902.37  | 0.0538 | P   | 4.0 |

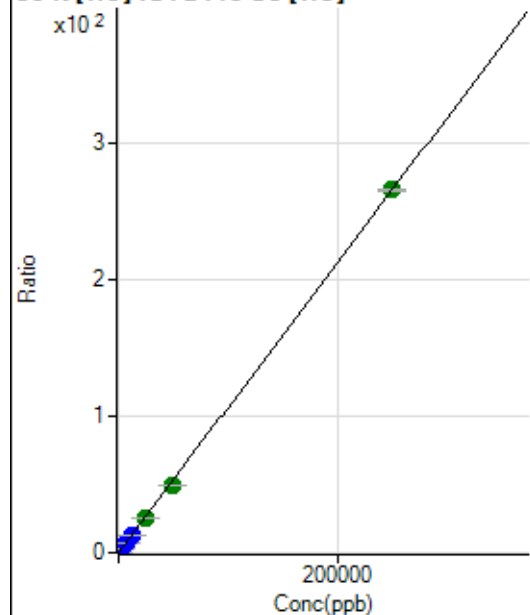
$$y = 1.1810\text{E-}005 * x + 0.0622$$

$$R = 0.9999$$

$$DL = 139.3$$

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      | 21193.67    | 0.0658   | P   | 0.6 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |     |     |
| 3 | <input type="checkbox"/> | 500.000   | 496.051    | 193215.61   | 0.5921   | P   | 1.2 |
| 4 | <input type="checkbox"/> | 2500.000  | 2418.312   | 844833.82   | 2.6316   | P   | 0.7 |
| 5 | <input type="checkbox"/> | 6250.000  | 6015.742   | 1848619.05  | 6.4484   | P   | 0.7 |
| 6 | <input type="checkbox"/> | 12500.000 | 11929.581  | 3414350.68  | 12.7230  | P   | 0.2 |
| 7 | <input type="checkbox"/> | 25000.000 | 23651.797  | 6889451.28  | 25.1602  | A   | 0.5 |
| 8 | <input type="checkbox"/> | 50000.000 | 46960.875  | 13892648.58 | 49.8910  | A   | 0.5 |
| 9 | <input type="checkbox"/> | 250000.00 | 250777.84  | 88919950.60 | 266.1398 | A   | 0.3 |

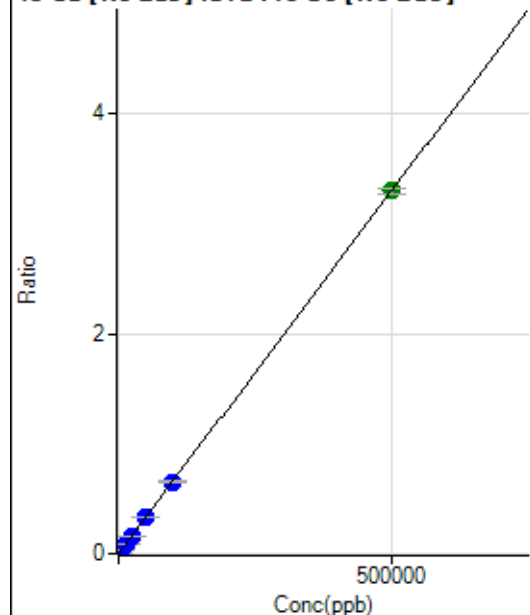
$$y = 0.0011 * x + 0.0658$$

$$R = 0.9999$$

$$DL = 1.144$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 163.89      | 0.0000 | P        | 12.1 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 500.000   | 503.793    | 25358.68    | 0.0033 | P        | 2.5  |
| 4 | <input type="checkbox"/> | 5000.000  | 5010.123   | 249969.07   | 0.0331 | P        | 0.6  |
| 5 | <input type="checkbox"/> | 12500.000 | 12496.349  | 584208.54   | 0.0825 | P        | 0.3  |
| 6 | <input type="checkbox"/> | 25000.000 | 24981.742  | 1046426.41  | 0.1649 | P        | 0.6  |
| 7 | <input type="checkbox"/> | 50000.000 | 49679.105  | 2062142.25  | 0.3279 | P        | 0.5  |
| 8 | <input type="checkbox"/> | 100000.00 | 99270.410  | 4112576.13  | 0.6552 | P        | 1.2  |
| 9 | <input type="checkbox"/> | 500000.00 | 500178.90  | 24591590.48 | 3.3012 | A        | 1.7  |

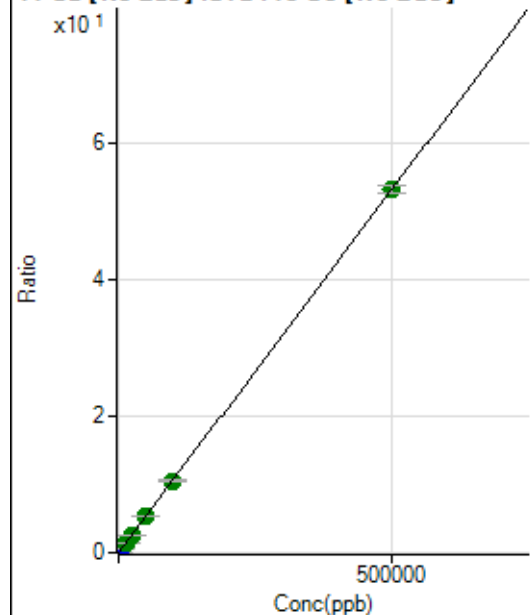
$$y = 6.6001E-006 * x + 2.2506E-005$$

$$R = 1.0000$$

$$DL = 1.238$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS          | Ratio   | Det<br>. | RSD |
|---|--------------------------|-----------|------------|--------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 8914.45      | 0.0012  | P        | 2.6 |
| 2 | <input type="checkbox"/> | 50.000    |            |              |         |          |     |
| 3 | <input type="checkbox"/> | 500.000   | 497.340    | 410145.20    | 0.0541  | P        | 0.4 |
| 4 | <input type="checkbox"/> | 5000.000  | 4987.288   | 4017993.49   | 0.5319  | P        | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12342.969  | 9308974.69   | 1.3145  | A        | 0.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 24853.700  | 16788494.82  | 2.6457  | A        | 0.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 49728.309  | 33282945.88  | 5.2924  | A        | 0.4 |
| 8 | <input type="checkbox"/> | 100000.00 | 99121.501  | 66207288.98  | 10.5479 | A        | 1.0 |
| 9 | <input type="checkbox"/> | 500000.00 | 500214.23  | 396472186.64 | 53.2250 | A        | 2.3 |

$$y = 1.0640E-004 * x + 0.0012$$

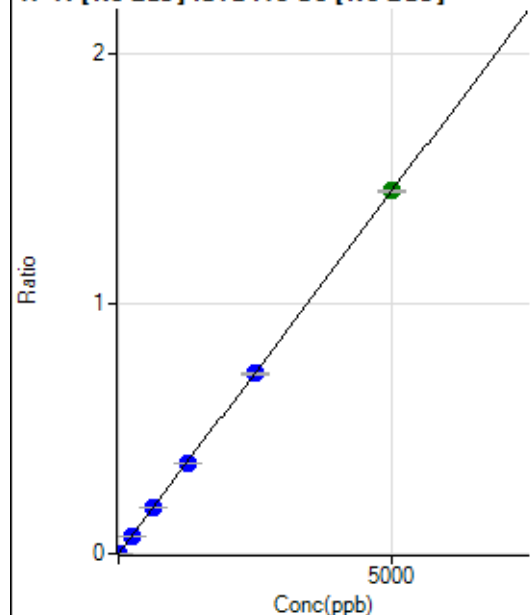
$$R = 1.0000$$

$$DL = 0.8819$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 91.67      | 0.0000 | P   | 23.0 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.091      | 11251.96   | 0.0015 | P   | 3.5  |
| 4 | <input type="checkbox"/> | 250.000  | 251.566    | 549825.83  | 0.0728 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 625.000  | 628.285    | 1287115.76 | 0.1818 | P   | 0.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1252.399   | 2298989.09 | 0.3623 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2482.367   | 4515930.61 | 0.7181 | P   | 0.2  |
| 8 | <input type="checkbox"/> | 5000.000 | 5007.728   | 9092689.35 | 1.4486 | A   | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 5181.68    | 0.0007 | P   | 7.8  |

$$y = 2.8927E-004 * x + 1.2576E-005$$

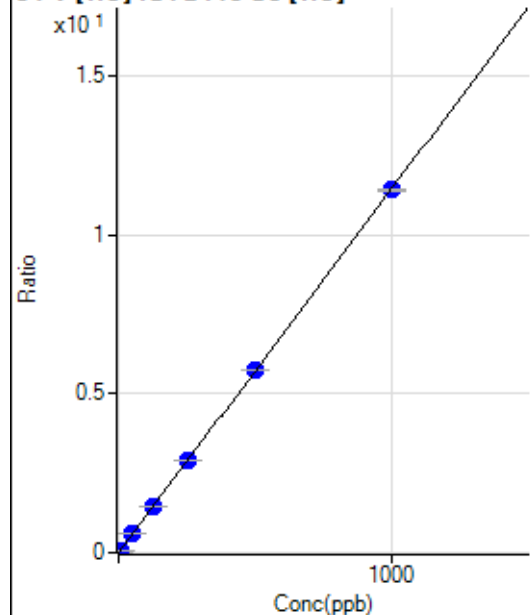
$$R = 1.0000$$

$$DL = 0.03003$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5.56       | 0.0000  | P   | 34.3 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |         |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.143      | 19218.30   | 0.0589  | P   | 0.8  |
| 4 | <input type="checkbox"/> | 50.000   | 50.779     | 186613.40  | 0.5812  | P   | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 127.036    | 416863.58  | 1.4541  | P   | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 252.545    | 775745.89  | 2.8907  | P   | 0.1  |
| 7 | <input type="checkbox"/> | 500.000  | 502.887    | 1576181.76 | 5.7562  | P   | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.626    | 3179749.85 | 11.4191 | P   | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 1996.83    | 0.0060  | P   | 4.5  |

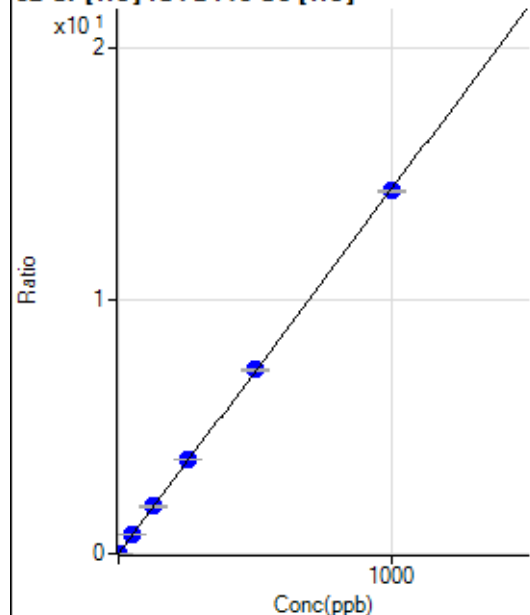
$$y = 0.0114 * x + 1.7218E-005$$

$$R = 1.0000$$

$$DL = 0.001546$$

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      | 1055.61    | 0.0033  | P   | 4.4 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |     |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.238      | 11580.23   | 0.0355  | P   | 0.7 |
| 4 | <input type="checkbox"/> | 50.000   | 51.535     | 239140.94  | 0.7449  | P   | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 129.210    | 533992.51  | 1.8627  | P   | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 256.308    | 990689.66  | 3.6917  | P   | 0.4 |
| 7 | <input type="checkbox"/> | 500.000  | 504.892    | 1990399.28 | 7.2689  | P   | 0.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 995.373    | 3989538.27 | 14.3272 | P   | 0.6 |
| 9 | <input type="checkbox"/> |          |            | 218197.73  | 0.6531  | P   | 0.4 |

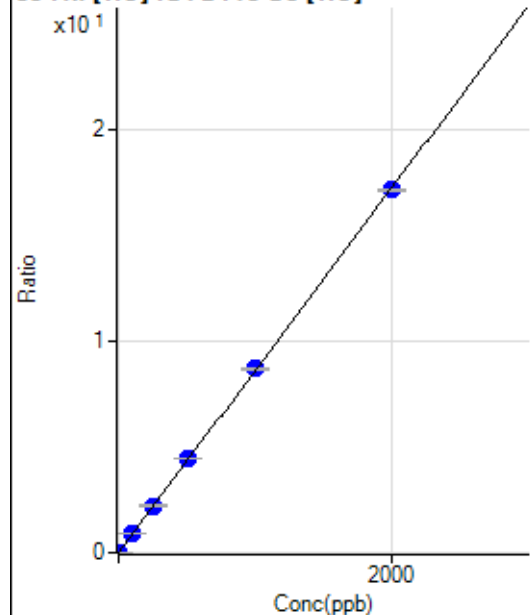
$$y = 0.0144 * x + 0.0033$$

$$R = 1.0000$$

$$DL = 0.03008$$

Weight: &lt;None&gt;

Min Conc: 0

**55 Mn [He] ISTD:45 Sc [He]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 73.33      | 0.0002  | P   | 9.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.070      | 3080.37    | 0.0094  | P   | 3.5 |
| 4 | <input type="checkbox"/> | 100.000  | 102.128    | 282412.82  | 0.8797  | P   | 0.2 |
| 5 | <input type="checkbox"/> | 250.000  | 257.367    | 635391.49  | 2.2164  | P   | 1.1 |
| 6 | <input type="checkbox"/> | 500.000  | 514.612    | 1189254.38 | 4.4316  | P   | 0.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.558   | 2378177.48 | 8.6850  | P   | 0.4 |
| 8 | <input type="checkbox"/> | 2000.000 | 1991.041   | 4774294.55 | 17.1452 | P   | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 39940.89   | 0.1195  | P   | 0.2 |

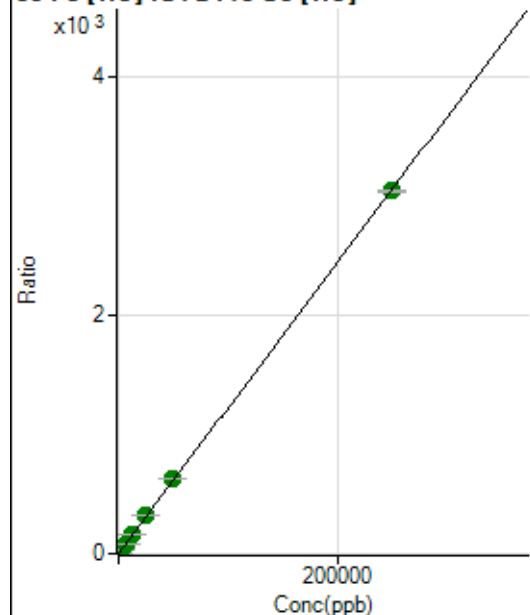
$$y = 0.0086 * x + 2.2758E-004$$

$$R = 1.0000$$

$$DL = 0.007355$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS          | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|--------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 4976.90      | 0.0154    | P   | 3.8 |
| 2 | <input type="checkbox"/> | 5.000     |            |              |           |     |     |
| 3 | <input type="checkbox"/> | 50.000    | 54.488     | 222089.52    | 0.6805    | P   | 0.6 |
| 4 | <input type="checkbox"/> | 2500.000  | 2623.780   | 10286668.17  | 32.0419   | A   | 0.6 |
| 5 | <input type="checkbox"/> | 6250.000  | 6630.576   | 23206783.39  | 80.9497   | A   | 0.7 |
| 6 | <input type="checkbox"/> | 12500.000 | 13227.815  | 43333277.36  | 161.4771  | A   | 0.6 |
| 7 | <input type="checkbox"/> | 25000.000 | 26083.624  | 87184346.39  | 318.3980  | A   | 0.8 |
| 8 | <input type="checkbox"/> | 50000.000 | 51319.717  | 174433685.38 | 626.4354  | A   | 0.8 |
| 9 | <input type="checkbox"/> | 250000.00 | 249580.55  | 1017837007.9 | 3,046.451 | A   | 0.5 |

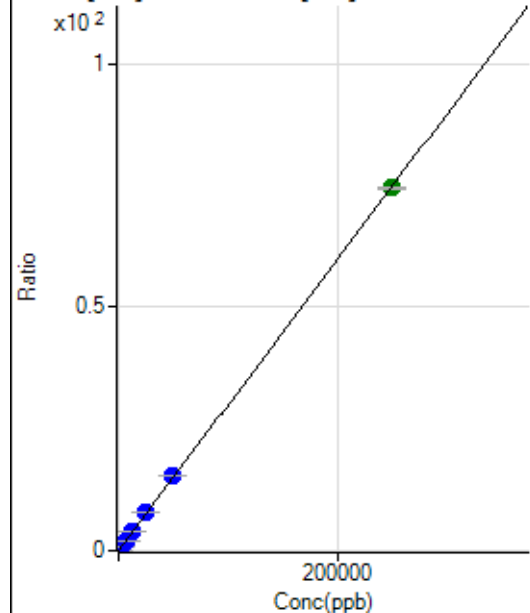
$$y = 0.0122 * x + 0.0154$$

$$R = 1.0000$$

$$DL = 0.1457$$

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      | 140.75      | 0.0004  | P   | 24.9 |
| 2 | <input type="checkbox"/> | 5.000     |            |             |         |     |      |
| 3 | <input type="checkbox"/> | 50.000    | 57.685     | 5766.11     | 0.0177  | P   | 3.4  |
| 4 | <input type="checkbox"/> | 2500.000  | 2638.761   | 253221.48   | 0.7888  | P   | 1.1  |
| 5 | <input type="checkbox"/> | 6250.000  | 6629.815   | 567952.46   | 1.9811  | P   | 0.9  |
| 6 | <input type="checkbox"/> | 12500.000 | 13297.037  | 1066177.74  | 3.9730  | P   | 0.3  |
| 7 | <input type="checkbox"/> | 25000.000 | 26085.875  | 2134117.41  | 7.7937  | P   | 0.7  |
| 8 | <input type="checkbox"/> | 50000.000 | 51430.400  | 4278597.09  | 15.3654 | P   | 0.8  |
| 9 | <input type="checkbox"/> | 250000.00 | 249554.59  | 24909248.47 | 74.5557 | A   | 0.6  |

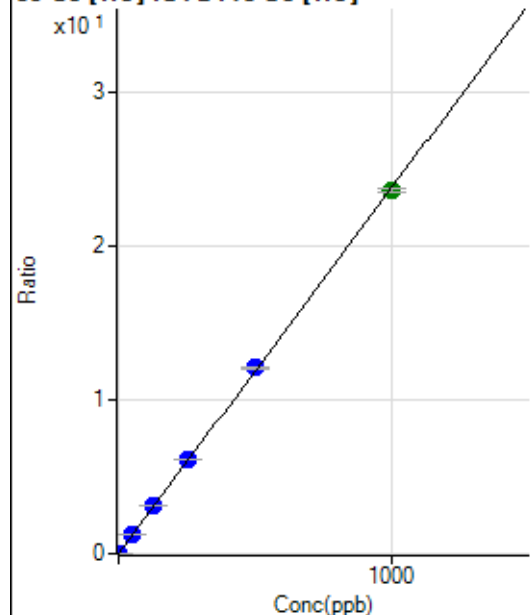
$$y = 2.9875E-004 * x + 4.3583E-004$$

$$R = 1.0000$$

$$DL = 1.09$$

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      | 81.11      | 0.0003  | P   | 6.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.097      | 8577.09    | 0.0263  | P   | 1.0 |
| 4 | <input type="checkbox"/> | 50.000   | 52.951     | 403614.64  | 1.2572  | P   | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 131.622    | 895769.64  | 3.1247  | P   | 0.6 |
| 6 | <input type="checkbox"/> | 250.000  | 259.707    | 1654477.09 | 6.1652  | P   | 0.3 |
| 7 | <input type="checkbox"/> | 500.000  | 508.786    | 3307233.04 | 12.0779 | P   | 0.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 992.205    | 6558517.82 | 23.5533 | A   | 0.9 |
| 9 | <input type="checkbox"/> |          |            | 97691.51   | 0.2924  | P   | 0.8 |

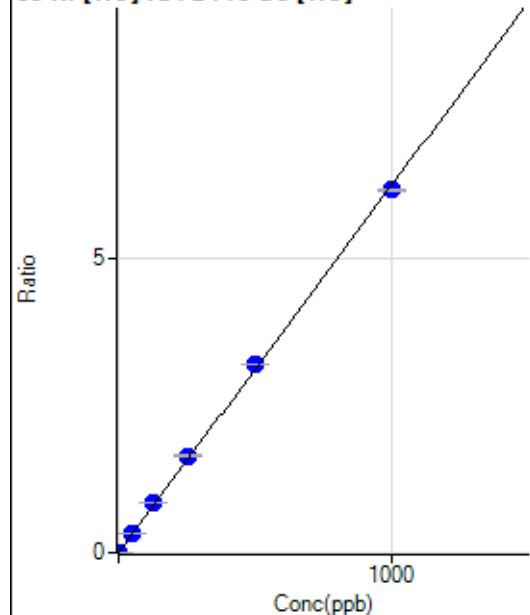
$$y = 0.0237 * x + 2.5174E-004$$

$$R = 0.9999$$

$$DL = 0.002108$$

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      | 106.67     | 0.0003 | P   | 35.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.264      | 2681.40    | 0.0082 | P   | 4.7  |
| 4 | <input type="checkbox"/> | 50.000   | 54.182     | 108652.03  | 0.3384 | P   | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 134.529    | 240764.50  | 0.8398 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 264.141    | 442430.28  | 1.6487 | P   | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 513.578    | 877671.19  | 3.2053 | P   | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 988.275    | 1717416.75 | 6.1676 | P   | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 75679.56   | 0.2265 | P   | 1.6  |

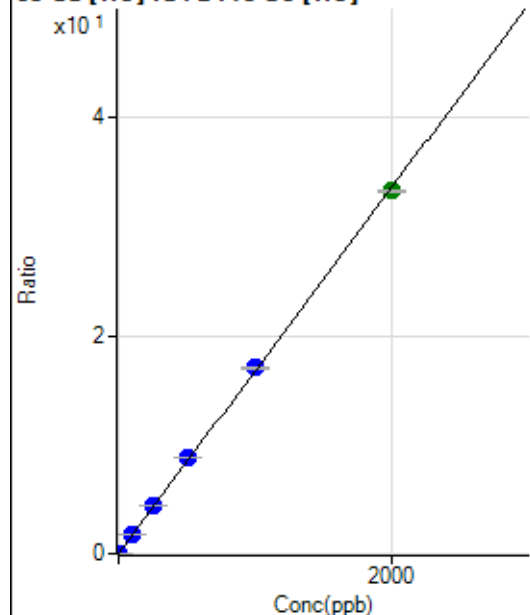
$$y = 0.0062 * x + 3.3038E-004$$

$$R = 0.9997$$

$$DL = 0.05612$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>63</sup>Cu [He] ISTD:45 Sc [He]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 378.90     | 0.0012  | P   | 8.1 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |     |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.250      | 12714.59   | 0.0390  | P   | 2.3 |
| 4 | <input type="checkbox"/> | 100.000  | 107.773    | 581345.53  | 1.8108  | P   | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 267.156    | 1286331.31 | 4.4871  | P   | 0.4 |
| 6 | <input type="checkbox"/> | 500.000  | 525.842    | 2369787.41 | 8.8307  | P   | 0.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 1015.184   | 4667993.47 | 17.0474 | P   | 0.5 |
| 8 | <input type="checkbox"/> | 2000.000 | 1983.414   | 9274069.10 | 33.3051 | A   | 0.6 |
| 9 | <input type="checkbox"/> |          |            | 26799.17   | 0.0802  | P   | 1.6 |

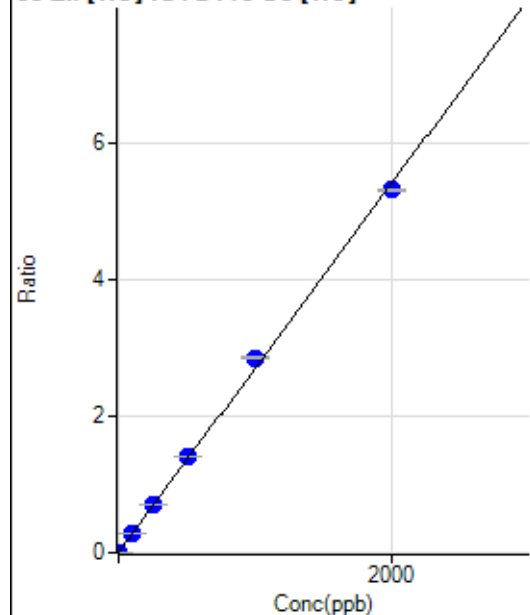
$$y = 0.0168 * x + 0.0012$$

$$R = 0.9999$$

$$DL = 0.01707$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>66</sup>Zn [He] ISTD:45 Sc [He]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 696.69     | 0.0022 | P   | 3.7 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.451      | 2862.55    | 0.0088 | P   | 3.2 |
| 4 | <input type="checkbox"/> | 100.000  | 103.486    | 90282.43   | 0.2812 | P   | 1.1 |
| 5 | <input type="checkbox"/> | 250.000  | 261.692    | 202926.28  | 0.7079 | P   | 0.2 |
| 6 | <input type="checkbox"/> | 500.000  | 517.974    | 375415.98  | 1.3990 | P   | 1.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 1055.221   | 779794.70  | 2.8477 | P   | 0.7 |
| 8 | <input type="checkbox"/> | 2000.000 | 1966.260   | 1477096.04 | 5.3045 | P   | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 13845.63   | 0.0414 | P   | 1.5 |

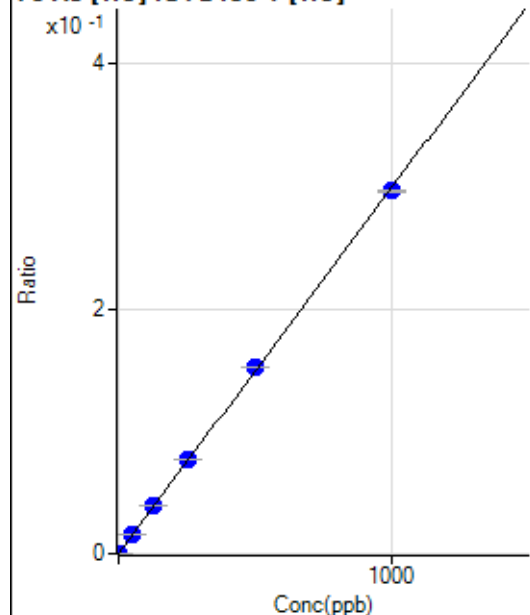
$$y = 0.0027 * x + 0.0022$$

$$R = 0.9994$$

$$DL = 0.08821$$

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      | 1.23      | 0.0000 | P   | 86.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.156      | 574.71    | 0.0003 | P   | 4.2  |
| 4 | <input type="checkbox"/> | 50.000   | 52.729     | 25808.75  | 0.0157 | P   | 0.1  |
| 5 | <input type="checkbox"/> | 125.000  | 130.717    | 58027.45  | 0.0390 | P   | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 257.460    | 107983.94 | 0.0768 | P   | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 510.867    | 217084.99 | 0.1525 | P   | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.850    | 423471.08 | 0.2960 | P   | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 732.74    | 0.0004 | P   | 1.3  |

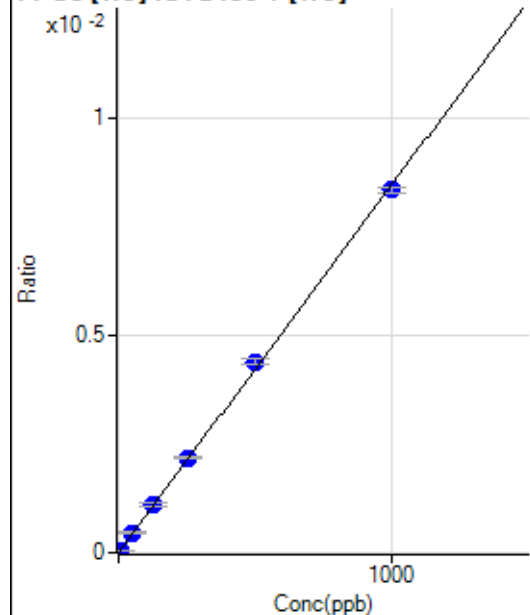
$$y = 2.9847\text{E-}004 * x + 7.5836\text{E-}007$$

$$R = 0.9999$$

$$DL = 0.006601$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00     | 0.0000 | P   |      |
| 2 | <input type="checkbox"/> | 0.500    |            |          |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 6.333      | 88.89    | 0.0001 | P   | 21.6 |
| 4 | <input type="checkbox"/> | 50.000   | 54.616     | 756.70   | 0.0005 | P   | 4.9  |
| 5 | <input type="checkbox"/> | 125.000  | 130.827    | 1643.46  | 0.0011 | P   | 11.2 |
| 6 | <input type="checkbox"/> | 250.000  | 257.847    | 3061.48  | 0.0022 | P   | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 519.862    | 6253.67  | 0.0044 | P   | 2.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 987.141    | 11929.51 | 0.0083 | P   | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 10.00    | 0.0000 | P   | 1.7  |

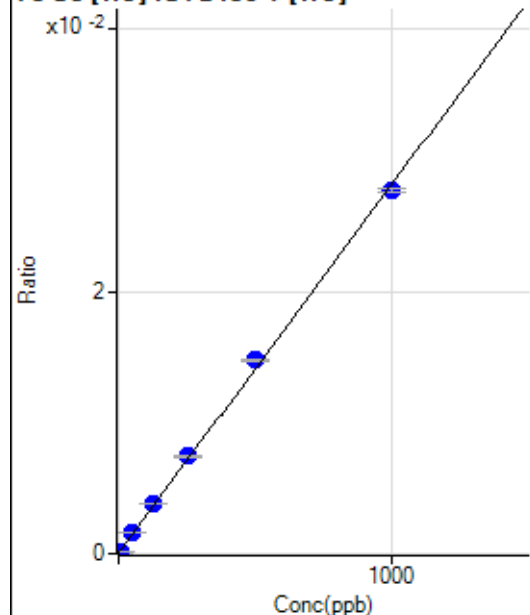
$$y = 8.4487\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9997$$

$$DL = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 80.87    | 0.0000 | P        | 25.2 |
| 2 | <input type="checkbox"/> | 0.500    |            |          |        |          |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.186      | 324.08   | 0.0002 | P        | 12.4 |
| 4 | <input type="checkbox"/> | 50.000   | 55.118     | 2618.17  | 0.0016 | P        | 3.8  |
| 5 | <input type="checkbox"/> | 125.000  | 133.672    | 5653.61  | 0.0038 | P        | 2.0  |
| 6 | <input type="checkbox"/> | 250.000  | 263.064    | 10445.79 | 0.0074 | P        | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 523.487    | 20989.33 | 0.0147 | P        | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 983.650    | 39562.45 | 0.0277 | P        | 1.1  |
| 9 | <input type="checkbox"/> |          |            | 87.04    | 0.0001 | P        | 13.9 |

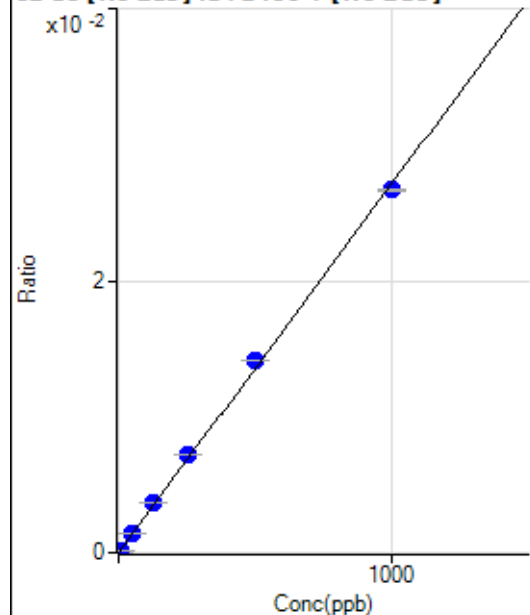
$$y = 2.8068\text{E-}005 * x + 4.9424\text{E-}005$$

$$R = 0.9995$$

$$DL = 1.333$$

Weight: &lt;None&gt;

Min Conc: 0

**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      | -19.85    | 0.0000 | P        | -464. |
| 2 | <input type="checkbox"/> | 0.500    |            |           |        |          |       |
| 3 | <input type="checkbox"/> | 5.000    | 5.403      | 1776.59   | 0.0001 | P        | 9.5   |
| 4 | <input type="checkbox"/> | 50.000   | 54.027     | 18008.08  | 0.0015 | P        | 1.2   |
| 5 | <input type="checkbox"/> | 125.000  | 134.556    | 42889.14  | 0.0036 | P        | 0.9   |
| 6 | <input type="checkbox"/> | 250.000  | 265.718    | 77673.23  | 0.0072 | P        | 0.3   |
| 7 | <input type="checkbox"/> | 500.000  | 520.778    | 151006.16 | 0.0141 | P        | 0.4   |
| 8 | <input type="checkbox"/> | 1000.000 | 984.284    | 284625.91 | 0.0267 | P        | 0.6   |
| 9 | <input type="checkbox"/> |          |            | 219.43    | 0.0000 | P        | 18.0  |

$$y = 2.7121\text{E-}005 * x - 1.6956\text{E-}006$$

$$R = 0.9995$$

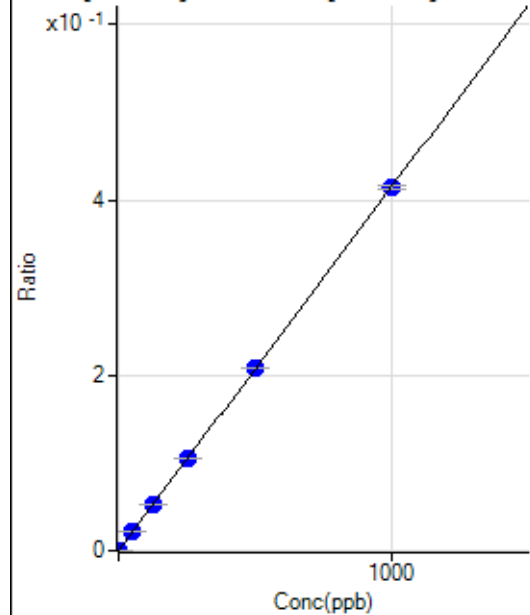
$$DL = 0.8706$$

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"/> |       |            | 884.49 |       | P        | 7.6  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 857.82 |       | P        | 11.2 |
| 4 | <input type="checkbox"/> |       |            | 873.38 |       | P        | 6.4  |
| 5 | <input type="checkbox"/> |       |            | 754.48 |       | P        | 7.2  |
| 6 | <input type="checkbox"/> |       |            | 735.59 |       | P        | 5.9  |
| 7 | <input type="checkbox"/> |       |            | 734.48 |       | P        | 7.8  |
| 8 | <input type="checkbox"/> |       |            | 781.15 |       | P        | 7.5  |
| 9 | <input type="checkbox"/> |       |            | 871.15 |       | P        | 2.7  |

**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      | 1366.79    | 0.0001 | P        | 11.5 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.964      | 6343.31    | 0.0005 | P        | 5.5  |
| 4 | <input type="checkbox"/> | 50.000   | 50.387     | 258379.55  | 0.0210 | P        | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 125.295    | 611965.98  | 0.0520 | P        | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 253.524    | 1133930.09 | 0.1052 | P        | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 502.650    | 2228648.31 | 0.2084 | P        | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.738    | 4409977.14 | 0.4136 | P        | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 24877.90   | 0.0021 | P        | 2.7  |

$$y = 4.1441\text{E-}004 * x + 1.1782\text{E-}004$$

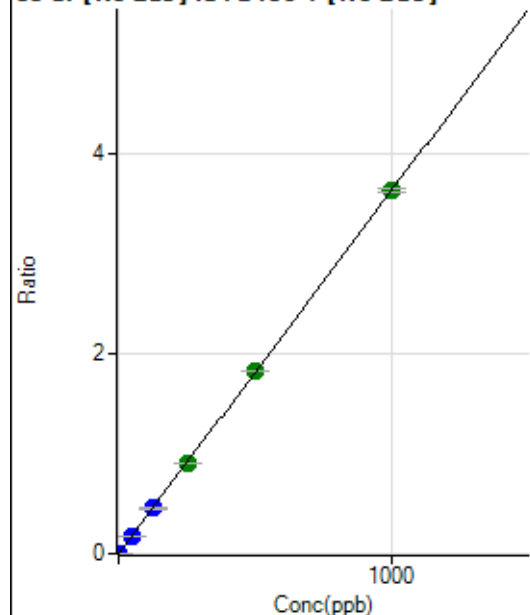
$$R = 1.0000$$

$$DL = 0.09778$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 219.45      | 0.0000 | P        | 29.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.023      | 45860.43    | 0.0037 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 50.000   | 50.162     | 2243871.51  | 0.1824 | P        | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 124.526    | 5322732.02  | 0.4527 | P        | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 248.968    | 9756727.65  | 0.9050 | A        | 0.2  |
| 7 | <input type="checkbox"/> | 500.000  | 501.868    | 19507196.27 | 1.8243 | A        | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.375    | 38734680.03 | 3.6327 | A        | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 203400.94   | 0.0171 | P        | 1.0  |

$$y = 0.0036 * x + 1.8957E-005$$

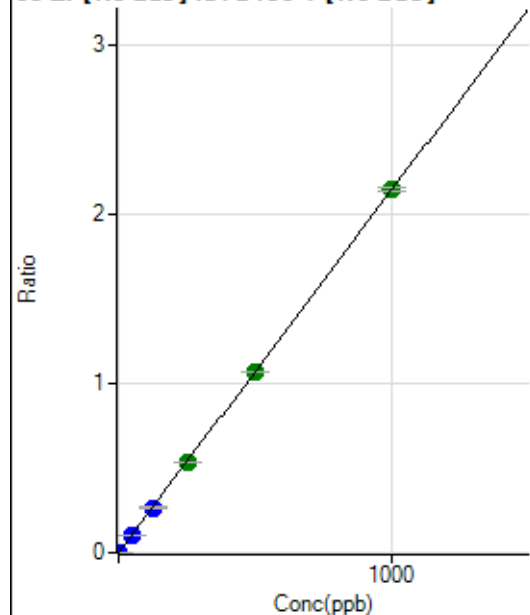
$$R = 1.0000$$

$$DL = 0.004637$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 708.38      | 0.0001 | P        | 4.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.052      | 28398.47    | 0.0023 | P        | 0.3 |
| 4 | <input type="checkbox"/> | 50.000   | 49.860     | 1315188.16  | 0.1069 | P        | 1.0 |
| 5 | <input type="checkbox"/> | 125.000  | 124.323    | 3132773.38  | 0.2664 | P        | 0.7 |
| 6 | <input type="checkbox"/> | 250.000  | 248.441    | 5739060.46  | 0.5323 | A        | 0.5 |
| 7 | <input type="checkbox"/> | 500.000  | 499.128    | 11435415.01 | 1.0694 | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.917   | 22866386.97 | 2.1445 | A        | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 12953.53    | 0.0011 | P        | 1.5 |

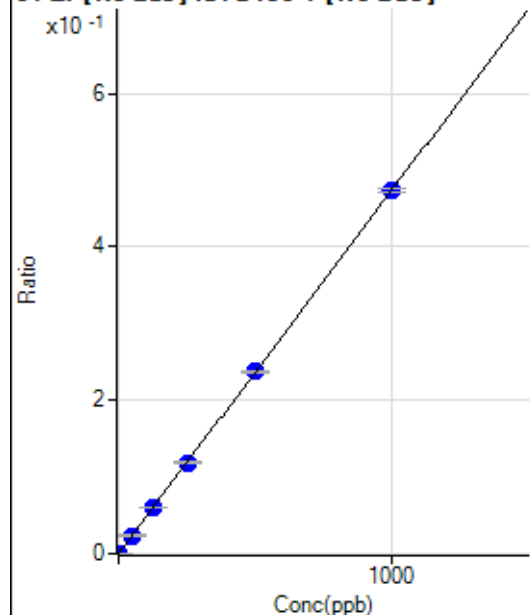
$$y = 0.0021 * x + 6.1089E-005$$

$$R = 1.0000$$

$$DL = 0.003403$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 136.12     | 0.0000 | P        | 12.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.049      | 6232.16    | 0.0005 | P        | 3.9  |
| 4 | <input type="checkbox"/> | 50.000   | 50.106     | 292011.90  | 0.0237 | P        | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 124.857    | 695162.89  | 0.0591 | P        | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 251.001    | 1281154.97 | 0.1188 | P        | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 500.816    | 2535272.97 | 0.2371 | P        | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.354    | 5044528.19 | 0.4731 | P        | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 3094.91    | 0.0003 | P        | 1.9  |

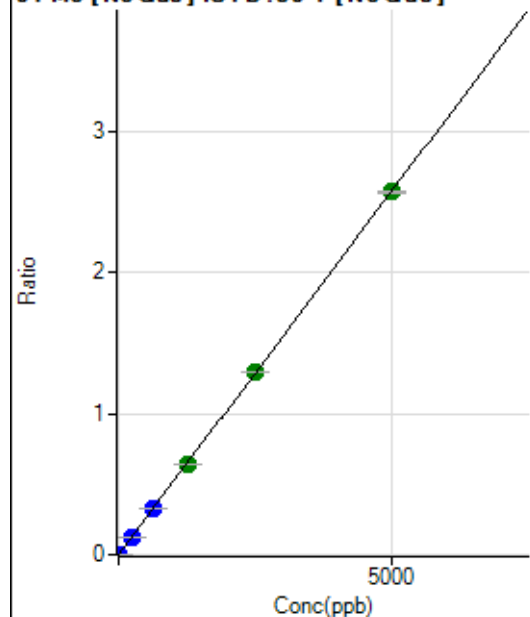
$$y = 4.7341\text{E-}004 * x + 1.1741\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.009533$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 263.90      | 0.0000 | P        | 3.9 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |          |     |
| 3 | <input type="checkbox"/> | 5.000    | 5.197      | 33053.08    | 0.0027 | P        | 0.6 |
| 4 | <input type="checkbox"/> | 250.000  | 249.848    | 1580706.17  | 0.1285 | P        | 0.9 |
| 5 | <input type="checkbox"/> | 625.000  | 623.729    | 3770589.32  | 0.3207 | P        | 0.3 |
| 6 | <input type="checkbox"/> | 1250.000 | 1249.467   | 6925006.06  | 0.6424 | A        | 0.4 |
| 7 | <input type="checkbox"/> | 2500.000 | 2513.146   | 13815063.85 | 1.2920 | A        | 0.3 |
| 8 | <input type="checkbox"/> | 5000.000 | 4993.726   | 27374238.46 | 2.5672 | A        | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 39934.43    | 0.0034 | P        | 1.4 |

$$y = 5.1408\text{E-}004 * x + 2.2764\text{E-}005$$

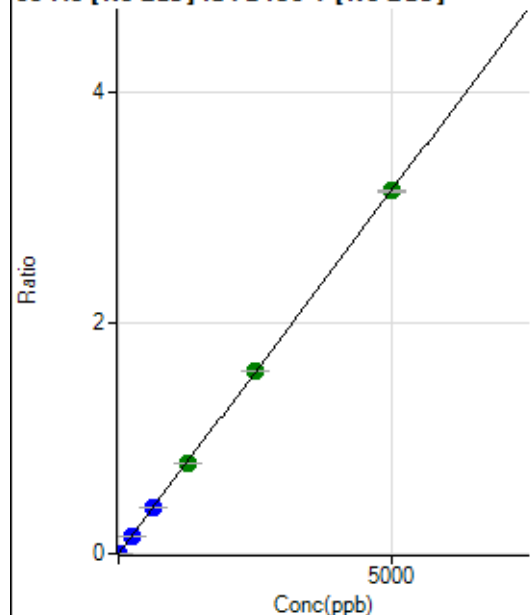
$$R = 1.0000$$

$$DL = 0.005166$$

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      | 75.00       | 0.0000 | P   | 50.9 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.146      | 39809.41    | 0.0032 | P   | 2.7  |
| 4 | <input type="checkbox"/> | 250.000  | 250.852    | 1942707.01  | 0.1579 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 625.000  | 627.052    | 4640419.94  | 0.3946 | P   | 0.7  |
| 6 | <input type="checkbox"/> | 1250.000 | 1249.834   | 8480057.66  | 0.7866 | A   | 0.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2509.233   | 16886481.11 | 1.5792 | A   | 0.2  |
| 8 | <input type="checkbox"/> | 5000.000 | 4995.126   | 33521491.72 | 3.1437 | A   | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 62029.88    | 0.0052 | P   | 2.0  |

$$y = 6.2936E-004 * x + 6.4620E-006$$

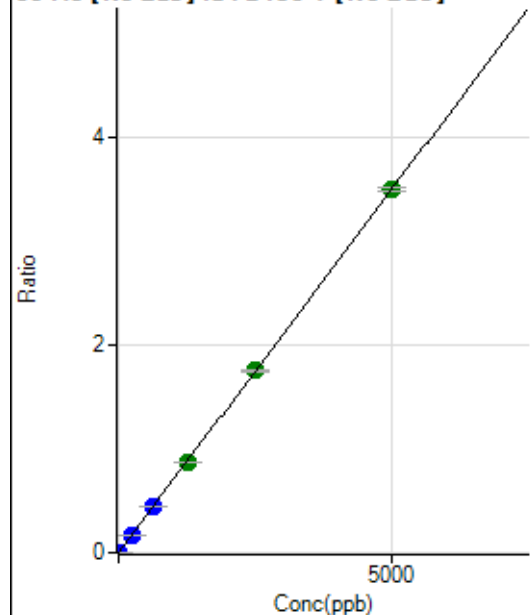
$$R = 1.0000$$

$$DL = 0.01567$$

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      | 152.79      | 0.0000 | P   | 3.7 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |     |     |
| 3 | <input type="checkbox"/> | 5.000    | 5.225      | 45024.73    | 0.0037 | P   | 2.8 |
| 4 | <input type="checkbox"/> | 250.000  | 250.391    | 2156919.93  | 0.1753 | P   | 0.5 |
| 5 | <input type="checkbox"/> | 625.000  | 624.852    | 5143526.50  | 0.4374 | P   | 0.7 |
| 6 | <input type="checkbox"/> | 1250.000 | 1246.300   | 9405461.32  | 0.8724 | A   | 0.8 |
| 7 | <input type="checkbox"/> | 2500.000 | 2506.057   | 18758729.76 | 1.7543 | A   | 0.4 |
| 8 | <input type="checkbox"/> | 5000.000 | 4997.895   | 37304895.62 | 3.4986 | A   | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 76723.46    | 0.0064 | P   | 0.6 |

$$y = 7.0002E-004 * x + 1.3180E-005$$

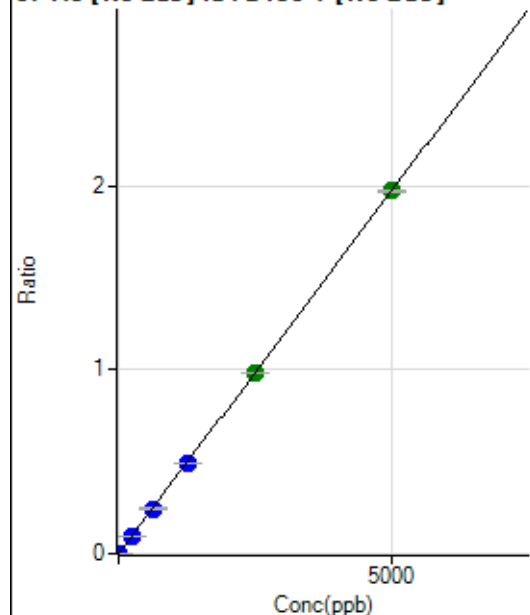
$$R = 1.0000$$

$$DL = 0.00211$$

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      | 44.44       | 0.0000 | P   | 60.9 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.104      | 24736.26    | 0.0020 | P   | 3.1  |
| 4 | <input type="checkbox"/> | 250.000  | 250.366    | 1214876.18  | 0.0987 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 625.000  | 621.910    | 2883789.89  | 0.2452 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 1250.000 | 1242.913   | 5283915.65  | 0.4901 | P   | 0.5  |
| 7 | <input type="checkbox"/> | 2500.000 | 2501.422   | 10547572.46 | 0.9864 | A   | 0.1  |
| 8 | <input type="checkbox"/> | 5000.000 | 5001.429   | 21029645.96 | 1.9722 | A   | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 38065.64    | 0.0032 | P   | 2.5  |

$$y = 3.9434E-004 * x + 3.8406E-006$$

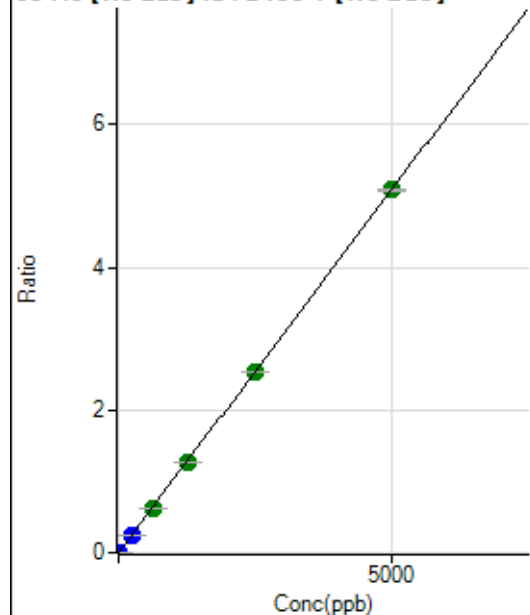
$$R = 1.0000$$

$$DL = 0.01778$$

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      | 100.01      | 0.0000 | P   | 43.8 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.133      | 64136.64    | 0.0052 | P   | 0.3  |
| 4 | <input type="checkbox"/> | 250.000  | 250.399    | 3133311.88  | 0.2546 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 625.000  | 619.651    | 7409574.04  | 0.6301 | A   | 0.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1247.092   | 13671924.96 | 1.2682 | A   | 0.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2501.988   | 27206114.49 | 2.5443 | A   | 0.1  |
| 8 | <input type="checkbox"/> | 5000.000 | 5000.382   | 54220494.96 | 5.0850 | A   | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 97168.89    | 0.0082 | P   | 1.6  |

$$y = 0.0010 * x + 8.6442E-006$$

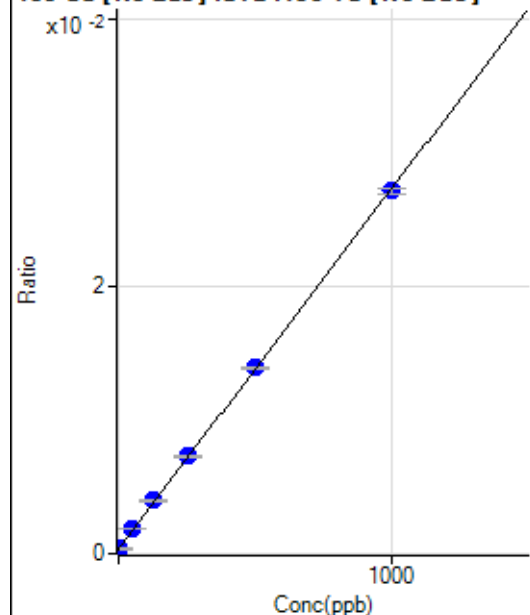
$$R = 1.0000$$

$$DL = 0.01116$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5404.02   | 0.0003 | P   | 3.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.738      | 6062.68   | 0.0004 | P   | 4.2 |
| 4 | <input type="checkbox"/> | 50.000   | 55.361     | 31254.79  | 0.0018 | P   | 3.2 |
| 5 | <input type="checkbox"/> | 125.000  | 134.552    | 65951.35  | 0.0040 | P   | 0.8 |
| 6 | <input type="checkbox"/> | 250.000  | 258.643    | 116344.42 | 0.0073 | P   | 1.4 |
| 7 | <input type="checkbox"/> | 500.000  | 503.996    | 222219.90 | 0.0139 | P   | 0.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 994.379    | 430083.19 | 0.0271 | P   | 1.7 |
| 9 | <input type="checkbox"/> |          |            | 5067.77   | 0.0003 | P   | 7.1 |

$$y = 2.6915E-005 * x + 3.4042E-004$$

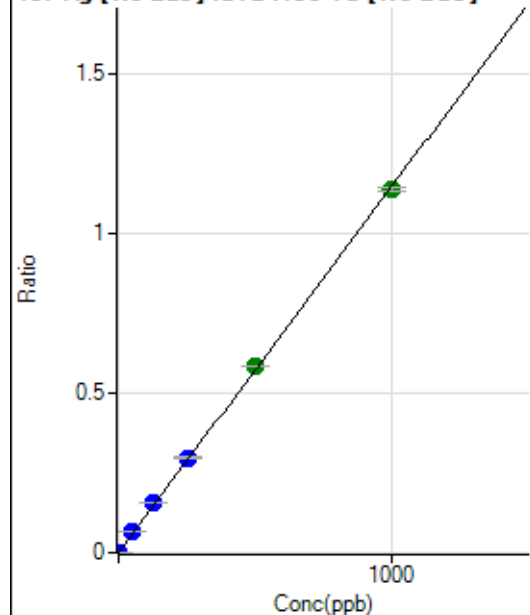
$$R = 0.9999$$

$$DL = 1.21$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 127.78      | 0.0000 | P   | 20.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.179      | 22908.29    | 0.0014 | P   | 2.1  |
| 4 | <input type="checkbox"/> | 50.000   | 56.608     | 1109487.77  | 0.0650 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 137.110    | 2619669.63  | 0.1574 | P   | 0.1  |
| 6 | <input type="checkbox"/> | 250.000  | 260.156    | 4757570.16  | 0.2986 | P   | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 507.939    | 9316409.84  | 0.5830 | A   | 0.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.647    | 18060186.34 | 1.1381 | A   | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 2769.84     | 0.0002 | P   | 7.2  |

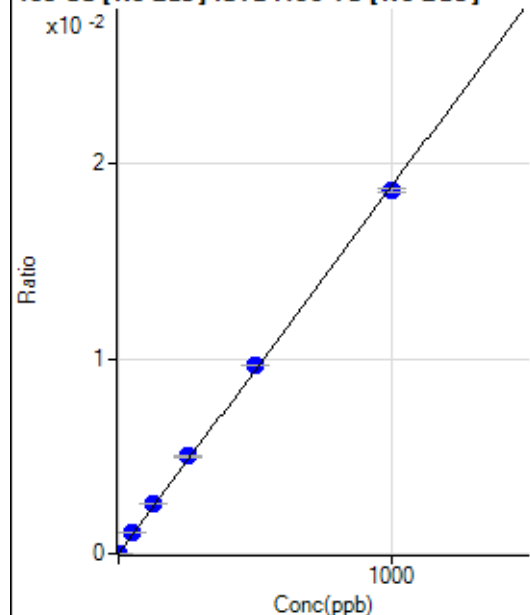
$$y = 0.0011 * x + 8.0432E-006$$

$$R = 0.9999$$

$$DL = 0.00425$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 9.72      | 0.0000 | P   | 49.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.112      | 362.51    | 0.0000 | P   | 5.6  |
| 4 | <input type="checkbox"/> | 50.000   | 56.220     | 18077.10  | 0.0011 | P   | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 136.593    | 42803.71  | 0.0026 | P   | 1.5  |
| 6 | <input type="checkbox"/> | 250.000  | 264.694    | 79384.66  | 0.0050 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 513.293    | 154391.95 | 0.0097 | P   | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 987.920    | 295052.26 | 0.0186 | P   | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 98.61     | 0.0000 | P   | 20.1 |

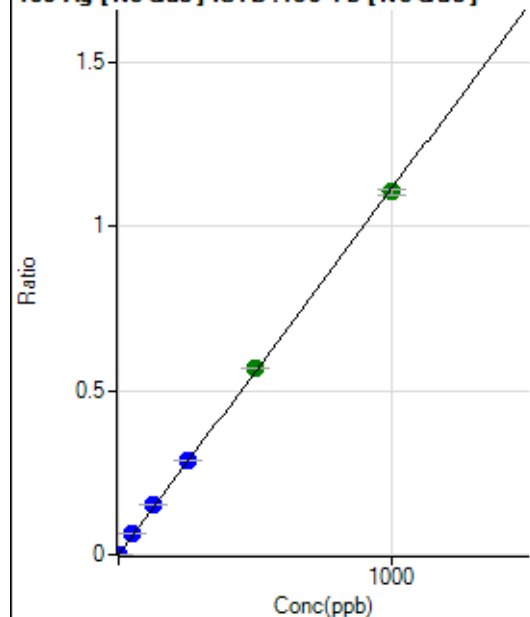
$$y = 1.8820E-005 * x + 6.1158E-007$$

$$R = 0.9997$$

$$DL = 0.04795$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 75.00       | 0.0000 | P   | 48.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.162      | 21870.55    | 0.0013 | P   | 2.4  |
| 4 | <input type="checkbox"/> | 50.000   | 56.435     | 1074258.79  | 0.0629 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 125.000  | 136.277    | 2528897.82  | 0.1519 | P   | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 258.503    | 4591456.22  | 0.2882 | P   | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 509.053    | 9068390.31  | 0.5675 | A   | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.616    | 17540257.16 | 1.1054 | A   | 1.4  |
| 9 | <input type="checkbox"/> |          |            | 2653.15     | 0.0002 | P   | 3.1  |

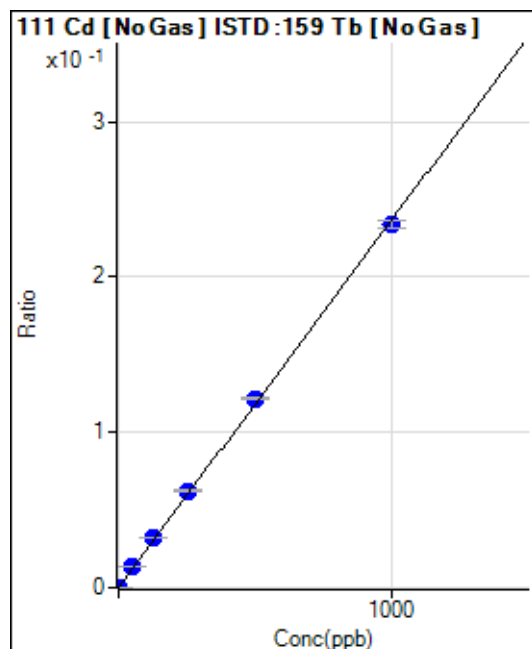
$$y = 0.0011 * x + 4.7188E-006$$

$$R = 0.9999$$

$$DL = 0.006126$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1076.78    | 0.0001 | P   | 3.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.125      | 5615.20    | 0.0003 | P   | 1.4 |
| 4 | <input type="checkbox"/> | 50.000   | 56.200     | 227970.32  | 0.0134 | P   | 0.6 |
| 5 | <input type="checkbox"/> | 125.000  | 137.147    | 540737.43  | 0.0325 | P   | 0.6 |
| 6 | <input type="checkbox"/> | 250.000  | 263.646    | 993972.70  | 0.0624 | P   | 0.6 |
| 7 | <input type="checkbox"/> | 500.000  | 514.223    | 1943391.40 | 0.1216 | P   | 0.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 987.648    | 3705091.90 | 0.2335 | P   | 2.0 |
| 9 | <input type="checkbox"/> |          |            | 1873.74    | 0.0001 | P   | 2.0 |

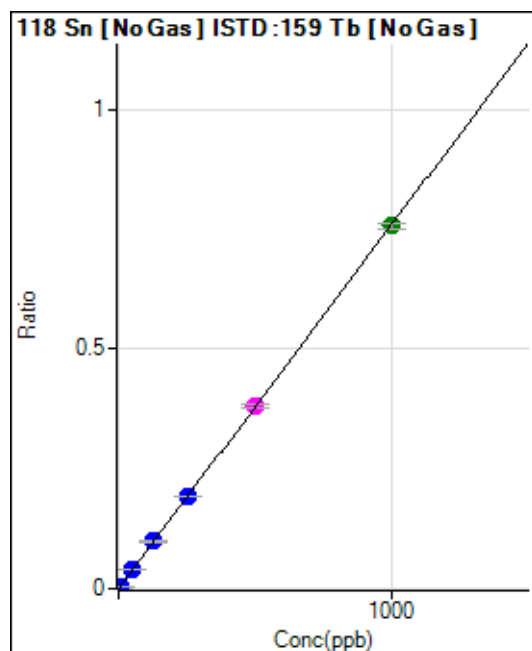
$$y = 2.3636\text{E-}004 * x + 6.7831\text{E-}005$$

$$R = 0.9997$$

$$DL = 0.02563$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 938.96      | 0.0001 | P   | 5.0 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |     |     |
| 3 | <input type="checkbox"/> | 5.000    | 5.478      | 70904.07    | 0.0042 | P   | 0.3 |
| 4 | <input type="checkbox"/> | 50.000   | 52.928     | 686322.25   | 0.0402 | P   | 0.7 |
| 5 | <input type="checkbox"/> | 125.000  | 129.447    | 1635026.43  | 0.0982 | P   | 0.7 |
| 6 | <input type="checkbox"/> | 250.000  | 254.943    | 3081287.74  | 0.1934 | P   | 0.5 |
| 7 | <input type="checkbox"/> | 500.000  | 501.727    | 6080937.68  | 0.3805 | M   | 1.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 997.196    | 12000082.65 | 0.7562 | A   | 1.4 |
| 9 | <input type="checkbox"/> |          |            | 17656.14    | 0.0010 | P   | 2.5 |

$$y = 7.5831\text{E-}004 * x + 5.9142\text{E-}005$$

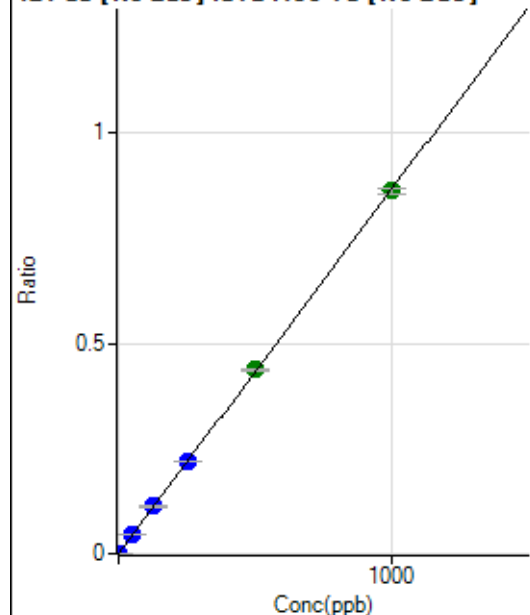
$$R = 1.0000$$

$$DL = 0.01159$$

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      | 55.56       | 0.0000 | P   | 48.1 |
| 2 | <input type="checkbox"/> | 0.200    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 2.000    | 2.114      | 30862.54    | 0.0018 | P   | 3.1  |
| 4 | <input type="checkbox"/> | 50.000   | 52.530     | 776498.58   | 0.0455 | P   | 0.1  |
| 5 | <input type="checkbox"/> | 125.000  | 129.842    | 1871101.08  | 0.1124 | P   | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 254.005    | 3503472.91  | 0.2199 | P   | 0.3  |
| 7 | <input type="checkbox"/> | 500.000  | 504.401    | 6977722.12  | 0.4366 | A   | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.066    | 13682227.04 | 0.8622 | A   | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 23272.90    | 0.0014 | P   | 3.3  |

$$y = 8.6564E-004 * x + 3.4956E-006$$

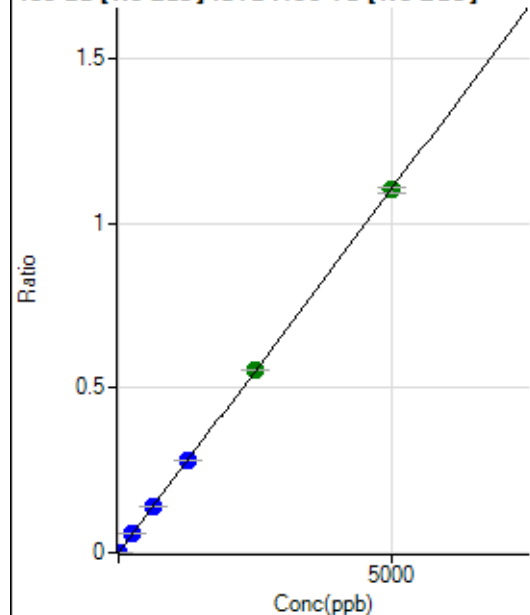
$$R = 1.0000$$

$$DL = 0.005821$$

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      | 47.22       | 0.0000 | P   | 9.7 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |     |     |
| 3 | <input type="checkbox"/> | 10.000   | 10.499     | 39047.54    | 0.0023 | P   | 0.2 |
| 4 | <input type="checkbox"/> | 250.000  | 259.445    | 977819.30   | 0.0573 | P   | 0.1 |
| 5 | <input type="checkbox"/> | 625.000  | 640.197    | 2352237.68  | 0.1413 | P   | 0.8 |
| 6 | <input type="checkbox"/> | 1250.000 | 1261.604   | 4436787.25  | 0.2785 | P   | 0.5 |
| 7 | <input type="checkbox"/> | 2500.000 | 2509.222   | 8850493.95  | 0.5538 | A   | 0.4 |
| 8 | <input type="checkbox"/> | 5000.000 | 4990.115   | 17476764.11 | 1.1014 | A   | 1.5 |
| 9 | <input type="checkbox"/> |          |            | 4998.35     | 0.0003 | P   | 3.2 |

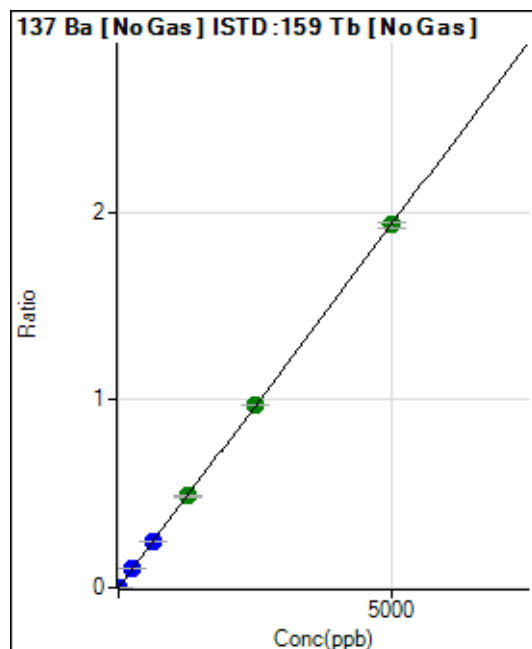
$$y = 2.2071E-004 * x + 2.9742E-006$$

$$R = 1.0000$$

$$DL = 0.003932$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 75.00       | 0.0000 | P   | 33.7 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 10.000   | 10.529     | 68720.50    | 0.0041 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 250.000  | 260.634    | 1724000.67  | 0.1010 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 625.000  | 641.435    | 4136365.63  | 0.2485 | P   | 0.5  |
| 6 | <input type="checkbox"/> | 1250.000 | 1258.274   | 7766341.75  | 0.4874 | A   | 0.3  |
| 7 | <input type="checkbox"/> | 2500.000 | 2506.314   | 15515378.82 | 0.9709 | A   | 0.2  |
| 8 | <input type="checkbox"/> | 5000.000 | 4992.187   | 30686482.63 | 1.9338 | A   | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 8917.13     | 0.0005 | P   | 1.6  |

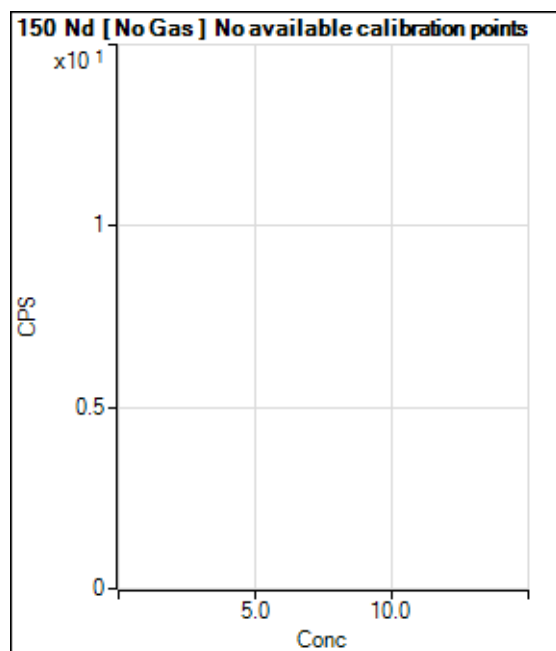
$$y = 3.8737\text{E-}004 * x + 4.7311\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.01236$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det | RSD  |
|---|--------------------------|-------|------------|---------|-------|-----|------|
| 1 | <input type="checkbox"/> |       |            | 0.00    |       | P   |      |
| 2 | <input type="checkbox"/> |       |            |         |       |     |      |
| 3 | <input type="checkbox"/> |       |            | 8.89    |       | P   | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 106.67  |       | P   | 6.2  |
| 5 | <input type="checkbox"/> |       |            | 140.01  |       | P   | 21.8 |
| 6 | <input type="checkbox"/> |       |            | 357.80  |       | P   | 5.7  |
| 7 | <input type="checkbox"/> |       |            | 733.38  |       | P   | 11.8 |
| 8 | <input type="checkbox"/> |       |            | 1302.33 |       | P   | 7.2  |
| 9 | <input type="checkbox"/> |       |            | 328.91  |       | P   | 11.5 |

**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"/> |       |            |        |       |          |       |
| 3 | <input type="checkbox"/> |       |            | 0.00   |       | P        |       |
| 4 | <input type="checkbox"/> |       |            | 7.78   |       | P        | 107.8 |
| 5 | <input type="checkbox"/> |       |            | 15.56  |       | P        | 49.5  |
| 6 | <input type="checkbox"/> |       |            | 30.00  |       | P        | 50.9  |
| 7 | <input type="checkbox"/> |       |            | 66.66  |       | P        | 8.7   |
| 8 | <input type="checkbox"/> |       |            | 116.67 |       | P        | 7.6   |
| 9 | <input type="checkbox"/> |       |            | 103.34 |       | P        | 27.6  |

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

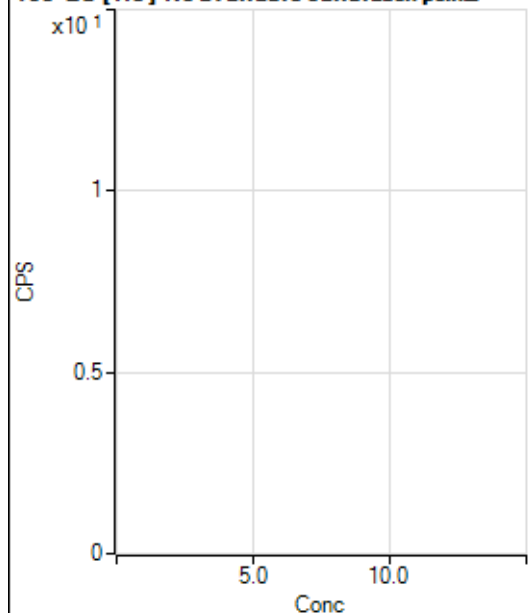
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 2.78   |       | P        | 173.2 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |       |
| 3 | <input type="checkbox"/> |       |            | 8.33   |       | P        | 0.0   |
| 4 | <input type="checkbox"/> |       |            | 41.67  |       | P        | 0.0   |
| 5 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 15.7  |
| 6 | <input type="checkbox"/> |       |            | 75.00  |       | P        | 48.4  |
| 7 | <input type="checkbox"/> |       |            | 141.67 |       | P        | 41.2  |
| 8 | <input type="checkbox"/> |       |            | 269.46 |       | P        | 19.6  |
| 9 | <input type="checkbox"/> |       |            | 169.45 |       | P        | 27.1  |

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

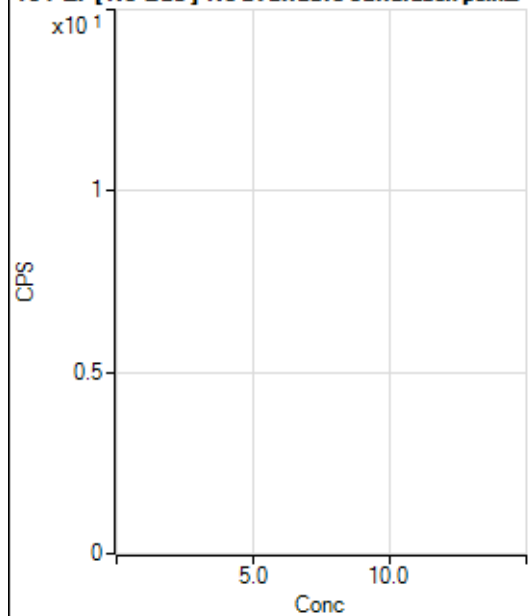
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 4.45   |       | P        | 86.6  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |       |
| 3 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173.2 |
| 4 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 62.4  |
| 5 | <input type="checkbox"/> |       |            | 41.11  |       | P        | 9.4   |
| 6 | <input type="checkbox"/> |       |            | 58.89  |       | P        | 3.3   |
| 7 | <input type="checkbox"/> |       |            | 117.78 |       | P        | 21.6  |
| 8 | <input type="checkbox"/> |       |            | 237.78 |       | P        | 3.5   |
| 9 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 26.9  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 119.45 |       | P        | 21.3 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 119.45 |       | P        | 24.5 |
| 4 | <input type="checkbox"/> |       |            | 147.23 |       | P        | 6.5  |
| 5 | <input type="checkbox"/> |       |            | 141.67 |       | P        | 23.5 |
| 6 | <input type="checkbox"/> |       |            | 130.56 |       | P        | 28.8 |
| 7 | <input type="checkbox"/> |       |            | 158.34 |       | P        | 19.0 |
| 8 | <input type="checkbox"/> |       |            | 172.23 |       | P        | 11.2 |
| 9 | <input type="checkbox"/> |       |            | 219.45 |       | P        | 29.5 |

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

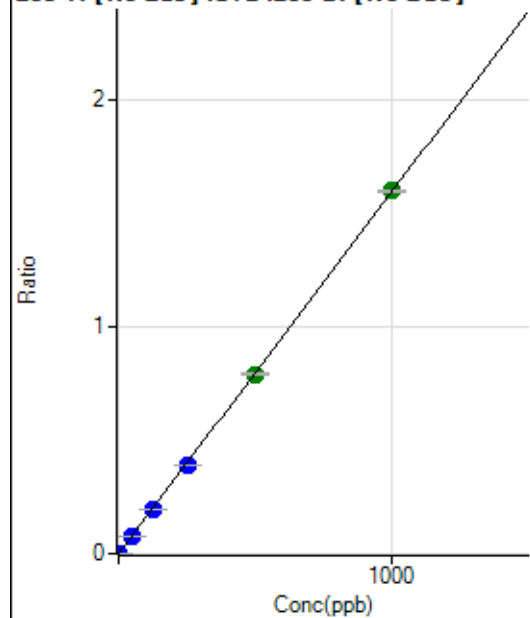
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 200.00 |       | P        | 8.7  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 202.23 |       | P        | 5.8  |
| 4 | <input type="checkbox"/> |       |            | 221.12 |       | P        | 16.6 |
| 5 | <input type="checkbox"/> |       |            | 186.67 |       | P        | 19.3 |
| 6 | <input type="checkbox"/> |       |            | 176.67 |       | P        | 14.7 |
| 7 | <input type="checkbox"/> |       |            | 211.12 |       | P        | 14.3 |
| 8 | <input type="checkbox"/> |       |            | 201.12 |       | P        | 15.7 |
| 9 | <input type="checkbox"/> |       |            | 261.12 |       | P        | 15.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 76.4 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 83.34  |       | P        | 34.6 |
| 4 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 28.4 |
| 5 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 12.5 |
| 6 | <input type="checkbox"/> |       |            | 44.45  |       | P        | 10.8 |
| 7 | <input type="checkbox"/> |       |            | 58.33  |       | P        | 24.7 |
| 8 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 16.7 |
| 9 | <input type="checkbox"/> |       |            | 122.23 |       | P        | 15.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 24.45 |       | P        | 15.8 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 37.78 |       | P        | 22.2 |
| 4 | <input type="checkbox"/> |       |            | 21.11 |       | P        | 32.9 |
| 5 | <input type="checkbox"/> |       |            | 20.00 |       | P        | 44.1 |
| 6 | <input type="checkbox"/> |       |            | 25.56 |       | P        | 30.1 |
| 7 | <input type="checkbox"/> |       |            | 34.44 |       | P        | 47.7 |
| 8 | <input type="checkbox"/> |       |            | 30.00 |       | P        | 29.4 |
| 9 | <input type="checkbox"/> |       |            | 61.11 |       | P        | 11.4 |

**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      | 161.12      | 0.0000 | P        | 12.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.010      | 19509.43    | 0.0016 | P        | 3.0  |
| 4 | <input type="checkbox"/> | 50.000   | 49.167     | 948619.86   | 0.0782 | P        | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 122.220    | 2315138.27  | 0.1945 | P        | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 245.325    | 4454588.55  | 0.3903 | P        | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 496.050    | 8919271.47  | 0.7892 | A        | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 1003.533   | 17442340.32 | 1.5965 | A        | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 7243.93     | 0.0007 | P        | 3.7  |

$$y = 0.0016 * x + 1.4251E-005$$

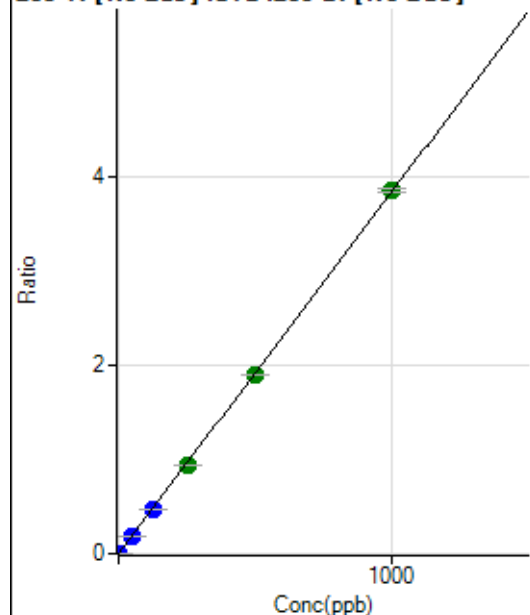
$$R = 1.0000$$

$$DL = 0.003251$$

Weight: <None>

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      | 397.25      | 0.0000 | P   | 25.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.997      | 46537.97    | 0.0039 | P   | 2.0  |
| 4 | <input type="checkbox"/> | 50.000   | 49.210     | 2292683.38  | 0.1891 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 122.680    | 5611438.15  | 0.4713 | P   | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 245.091    | 10746427.76 | 0.9416 | A   | 0.3  |
| 7 | <input type="checkbox"/> | 500.000  | 495.886    | 21530673.22 | 1.9050 | A   | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1003.614   | 42121038.09 | 3.8555 | A   | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 18082.46    | 0.0017 | P   | 0.7  |

$$y = 0.0038 * x + 3.5122E-005$$

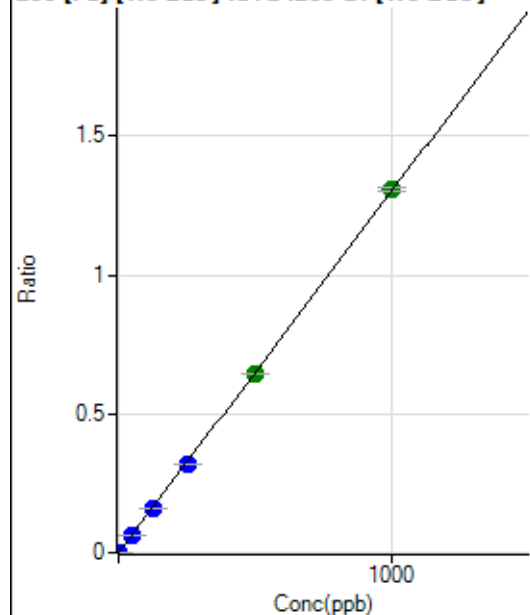
$$R = 1.0000$$

$$DL = 0.006911$$

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      | 909.32      | 0.0001 | P   | 5.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.986      | 16404.90    | 0.0014 | P   | 0.5 |
| 4 | <input type="checkbox"/> | 50.000   | 48.864     | 771430.77   | 0.0636 | P   | 1.4 |
| 5 | <input type="checkbox"/> | 125.000  | 121.177    | 1876989.25  | 0.1577 | P   | 0.4 |
| 6 | <input type="checkbox"/> | 250.000  | 243.210    | 3610417.09  | 0.3163 | P   | 0.4 |
| 7 | <input type="checkbox"/> | 500.000  | 495.643    | 7285060.23  | 0.6446 | A   | 0.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.411   | 14269649.74 | 1.3061 | A   | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 19507.34    | 0.0019 | P   | 1.9 |

$$y = 0.0013 * x + 8.0421E-005$$

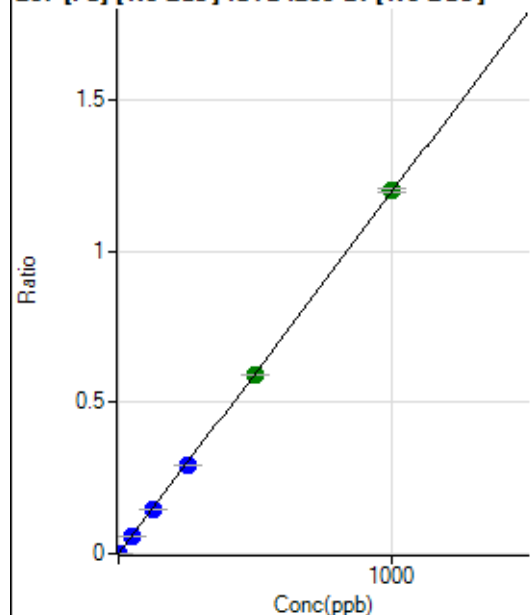
$$R = 1.0000$$

$$DL = 0.009524$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 842.64      | 0.0001 | P   | 7.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.017      | 15537.28    | 0.0013 | P   | 0.7 |
| 4 | <input type="checkbox"/> | 50.000   | 48.676     | 706776.39   | 0.0583 | P   | 1.0 |
| 5 | <input type="checkbox"/> | 125.000  | 120.809    | 1721010.61  | 0.1445 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 244.545    | 3338678.03  | 0.2925 | P   | 0.6 |
| 7 | <input type="checkbox"/> | 500.000  | 495.097    | 6692572.72  | 0.5922 | A   | 1.0 |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.405   | 13123511.29 | 1.2012 | A   | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 16992.79    | 0.0016 | P   | 3.8 |

$$y = 0.0012 * x + 7.4525E-005$$

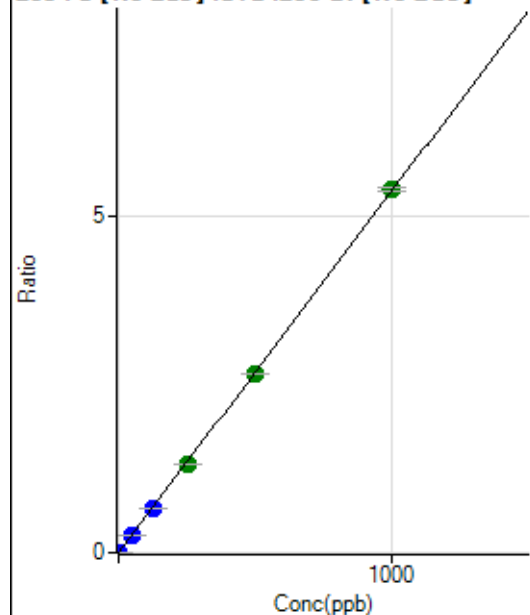
$$R = 1.0000$$

$$DL = 0.01332$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3733.65     | 0.0003 | P   | 2.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.005      | 68805.00    | 0.0057 | P   | 0.8 |
| 4 | <input type="checkbox"/> | 50.000   | 48.835     | 3176936.34  | 0.2620 | P   | 1.0 |
| 5 | <input type="checkbox"/> | 125.000  | 121.421    | 7749845.36  | 0.6509 | P   | 0.2 |
| 6 | <input type="checkbox"/> | 250.000  | 244.378    | 14948529.27 | 1.3097 | A   | 0.4 |
| 7 | <input type="checkbox"/> | 500.000  | 495.548    | 30012990.25 | 2.6555 | A   | 0.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.137   | 58782855.48 | 5.3806 | A   | 1.1 |
| 9 | <input type="checkbox"/> |          |            | 78095.34    | 0.0075 | P   | 1.6 |

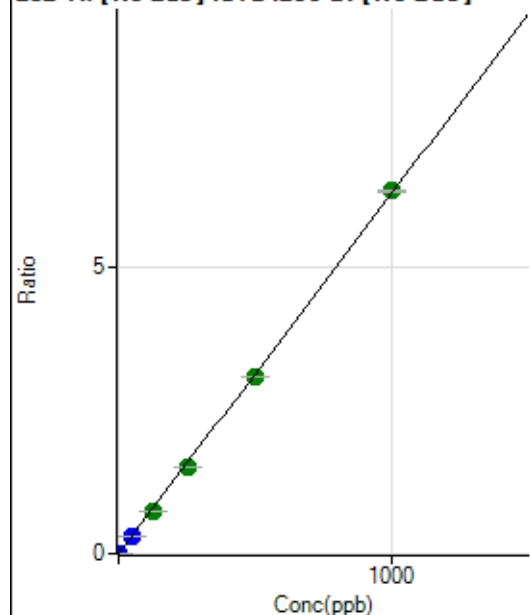
$$y = 0.0054 * x + 3.3017E-004$$

$$R = 1.0000$$

$$DL = 0.005049$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 51.85       | 0.0000 | P        | 37.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.942      | 71129.63    | 0.0059 | P        | 1.3  |
| 4 | <input type="checkbox"/> | 50.000   | 46.176     | 3507771.52  | 0.2893 | P        | 0.8  |
| 5 | <input type="checkbox"/> | 125.000  | 116.292    | 8673800.31  | 0.7285 | A        | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 240.521    | 17197317.51 | 1.5068 | A        | 0.2  |
| 7 | <input type="checkbox"/> | 500.000  | 491.355    | 34790152.63 | 3.0781 | A        | 0.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 1007.972   | 68988046.45 | 6.3145 | A        | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 11470.13    | 0.0011 | P        | 5.3  |

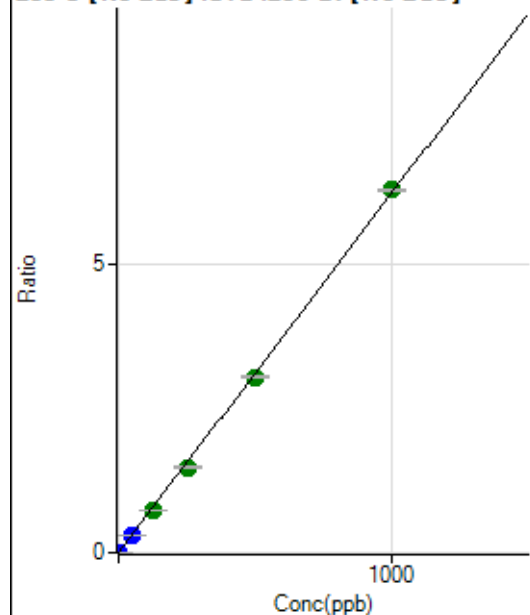
$$y = 0.0063 * x + 4.5811E-006$$

$$R = 0.9999$$

$$DL = 0.0008156$$

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      | 138.90      | 0.0000 | P        | 12.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.946      | 71189.48    | 0.0059 | P        | 2.0  |
| 4 | <input type="checkbox"/> | 50.000   | 46.458     | 3512401.42  | 0.2897 | P        | 1.3  |
| 5 | <input type="checkbox"/> | 125.000  | 115.357    | 8563086.39  | 0.7192 | A        | 0.1  |
| 6 | <input type="checkbox"/> | 250.000  | 238.077    | 16941474.51 | 1.4844 | A        | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 488.537    | 34424976.81 | 3.0459 | A        | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 1010.095   | 68802690.43 | 6.2977 | A        | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 14522.63    | 0.0014 | P        | 5.6  |

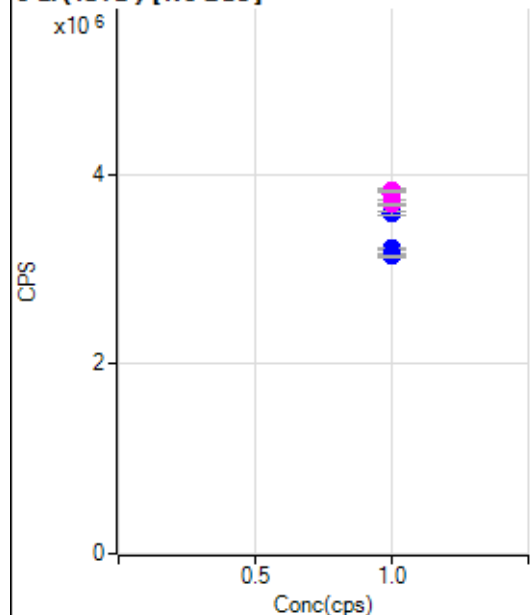
$$y = 0.0062 * x + 1.2287E-005$$

$$R = 0.9998$$

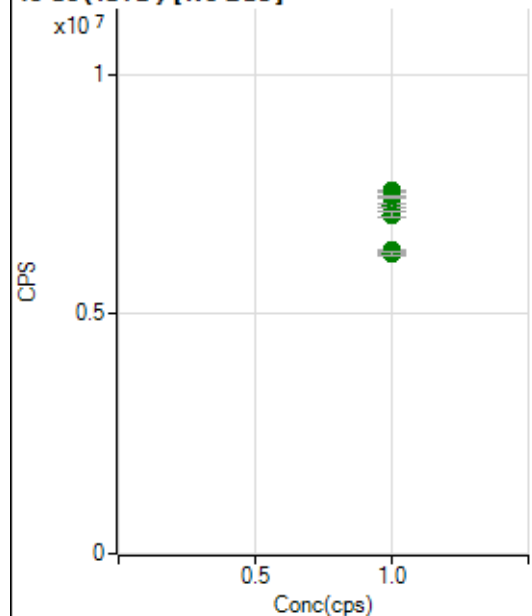
$$DL = 0.0007567$$

Weight: &lt;None&gt;

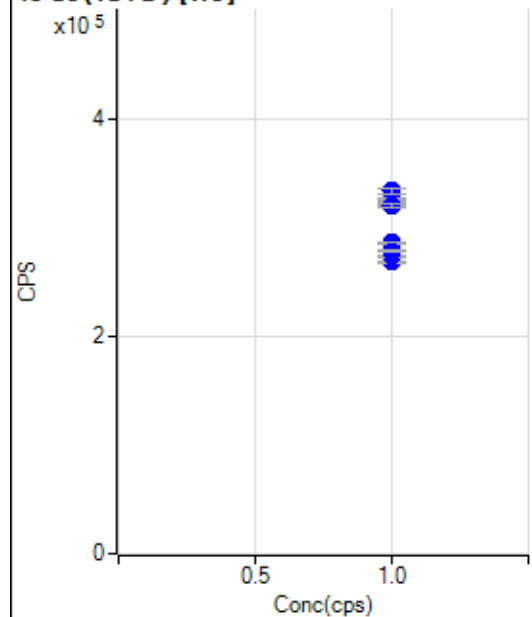
Min Conc: 0

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

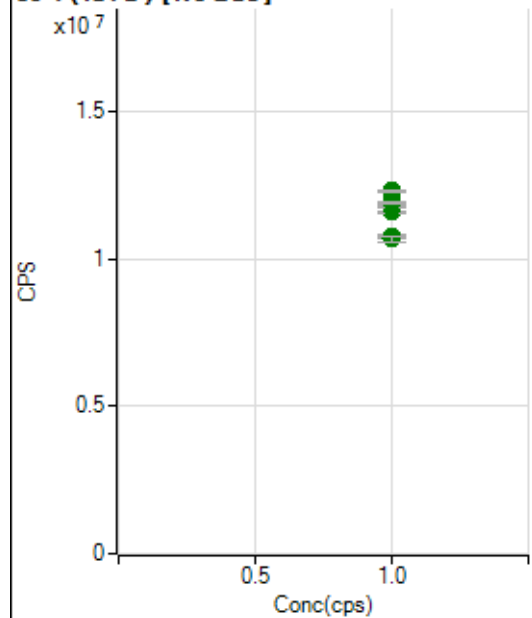
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3795947.34 |       | M        | 2.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 3828991.05 |       | A        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3826766.85 |       | M        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3591042.34 |       | P        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3225134.02 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3170857.03 |       | P        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3138298.29 |       | P        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3683639.84 |       | M        | 0.7 |

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

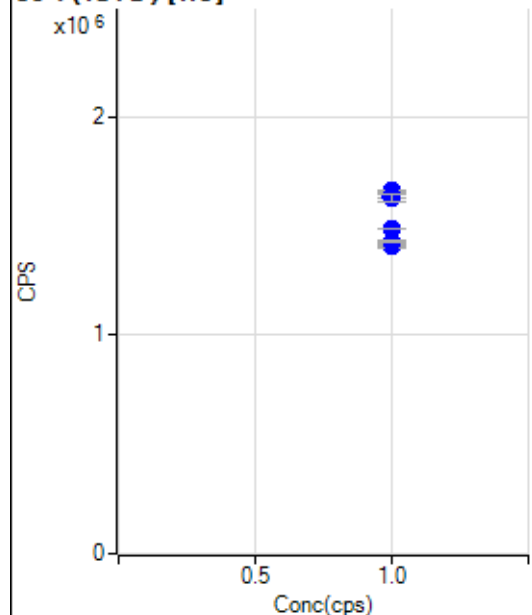
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7278456.67 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 7575351.56 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7554330.46 |       | A        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7081506.24 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6345603.05 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6288857.69 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6277232.35 |       | A        | 1.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7449800.86 |       | A        | 0.7 |

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

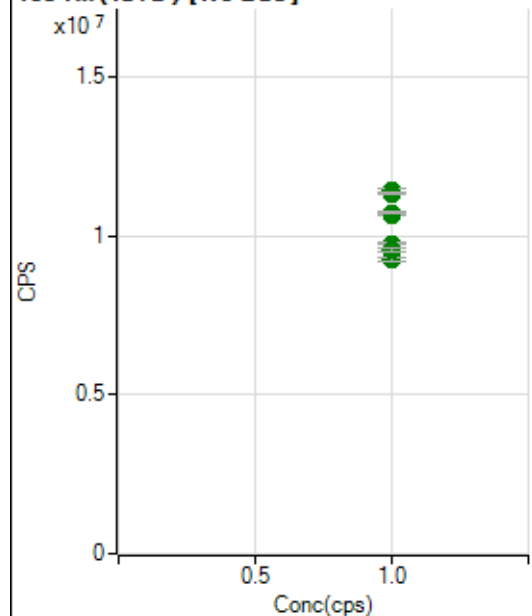
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 322267.17 |       | P        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 326351.13 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 321049.81 |       | P        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 286678.35 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 268359.24 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 273826.40 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 278467.79 |       | P        | 0.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 334115.12 |       | P        | 1.6 |

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

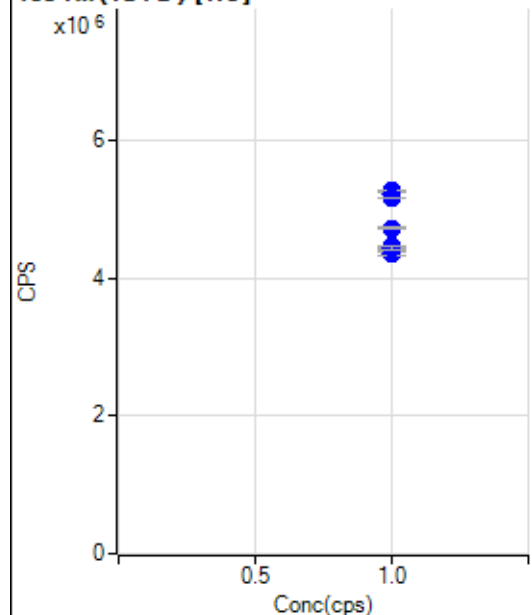
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11593710.38 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 12266646.62 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12304915.65 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11758574.96 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10780758.59 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10692916.09 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10663587.41 |       | A        | 1.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 11906853.16 |       | A        | 1.0 |

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

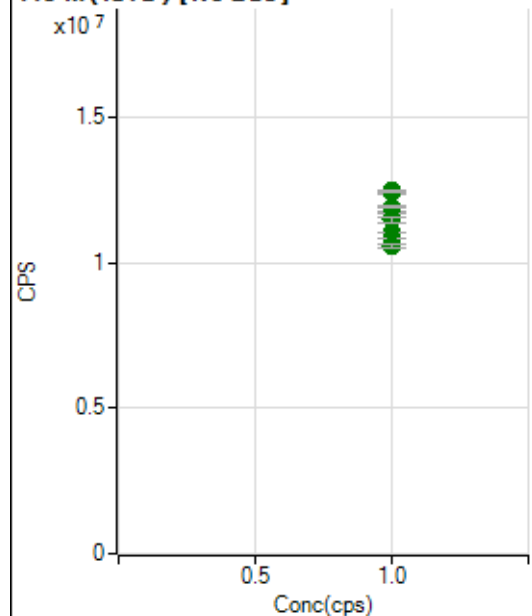
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1638142.01 |       | P        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1661990.08 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1639837.36 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1487254.25 |       | P        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1405264.02 |       | P        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1423701.92 |       | P        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1430494.81 |       | P        | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1629692.60 |       | P        | 1.7 |

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

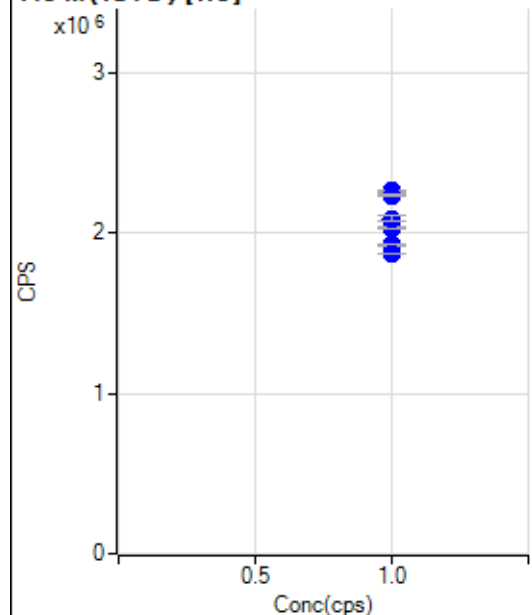
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10663005.19 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 11405729.68 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11334538.53 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10723010.13 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9751570.27  |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9472103.68  |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9232337.71  |       | A        | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9560720.09  |       | A        | 1.1 |

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

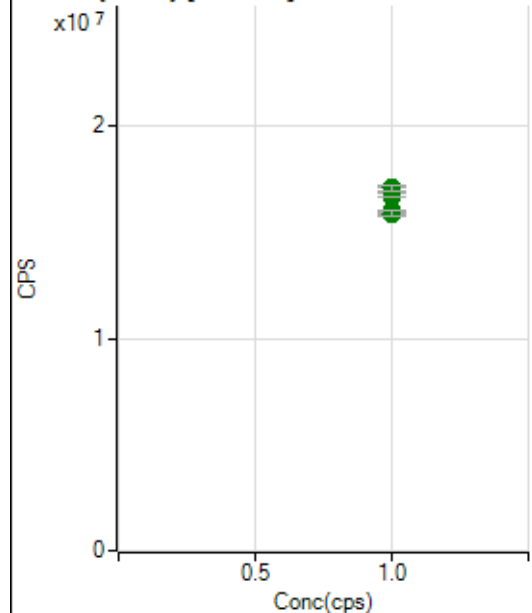
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5212596.56 |       | P    | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |      |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 5271671.41 |       | P    | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5171427.53 |       | P    | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4730125.28 |       | P    | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4456795.24 |       | P    | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4434365.73 |       | P    | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4358669.10 |       | P    | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4440229.10 |       | P    | 1.4 |

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

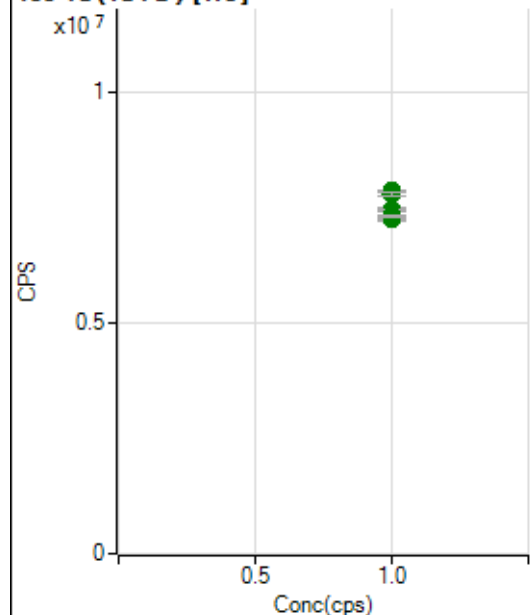
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11727250.26 |       | A    | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |      |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 12398596.71 |       | A    | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12466640.27 |       | A    | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11901480.73 |       | A    | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11028845.77 |       | A    | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10854747.68 |       | A    | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10553259.94 |       | A    | 1.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 11472577.02 |       | A    | 1.5 |

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

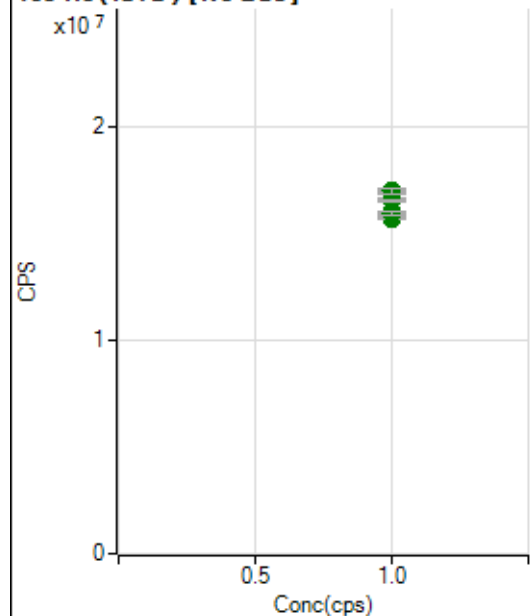
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2234902.04 |       | P        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 2260342.91 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2231046.54 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2030691.18 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1924935.85 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1917702.37 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1869468.60 |       | P        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2089486.36 |       | P        | 2.0 |

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

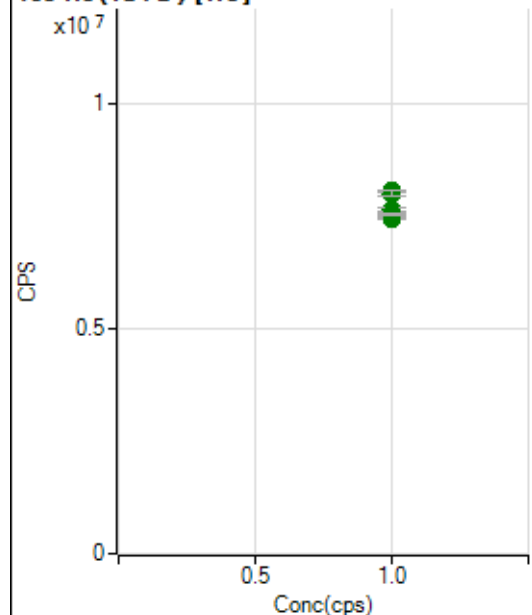
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 15872636.98 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 16829409.89 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 17075066.42 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 16646631.42 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 15933547.96 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 15980945.59 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 15870164.76 |       | A        | 1.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 17064011.69 |       | A        | 1.2 |

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

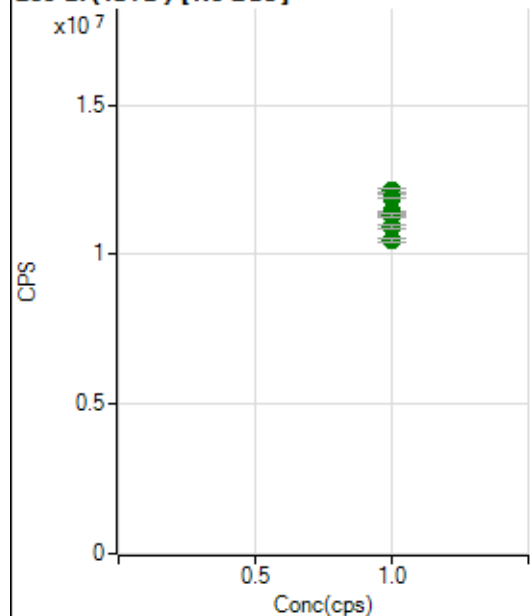
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7459195.38 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 7829792.80 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7847704.26 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7429799.47 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7221181.14 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7296171.63 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7301592.67 |       | A        | 0.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7775690.16 |       | A        | 1.4 |

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

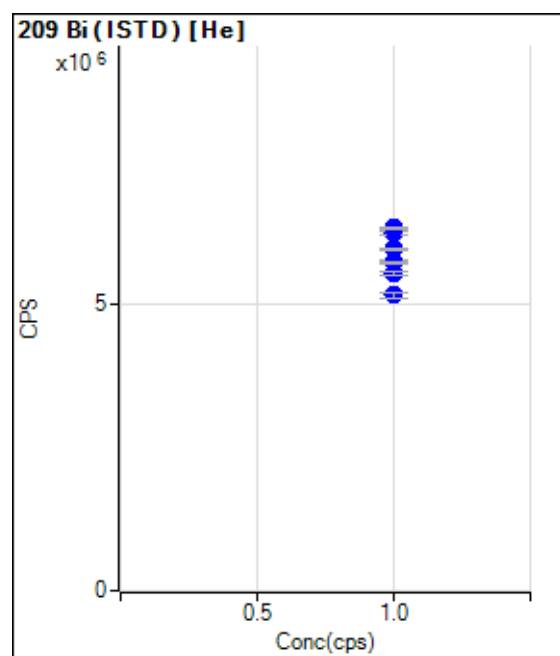
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 15675757.30 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 16625754.02 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 16934435.97 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 16524379.36 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 15916018.59 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 15987598.10 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 15880316.85 |       | A        | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 16968474.86 |       | A        | 1.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7520723.99 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 8027901.41 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8050090.09 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7628231.34 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7441593.92 |       | A        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7501307.74 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7534508.50 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7986611.20 |       | A        | 1.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11307215.94 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 12039619.27 |       | A        | 0.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12126390.65 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11905953.71 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11413417.61 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11302417.33 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10925806.64 |       | A        | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 10459382.62 |       | A        | 1.4 |



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6241560.39 |       | P        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 6316709.14 |       | P        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6342355.81 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5969707.06 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5757212.48 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5738691.93 |       | P        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5547975.96 |       | P        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5163647.14 |       | P        | 1.6 |

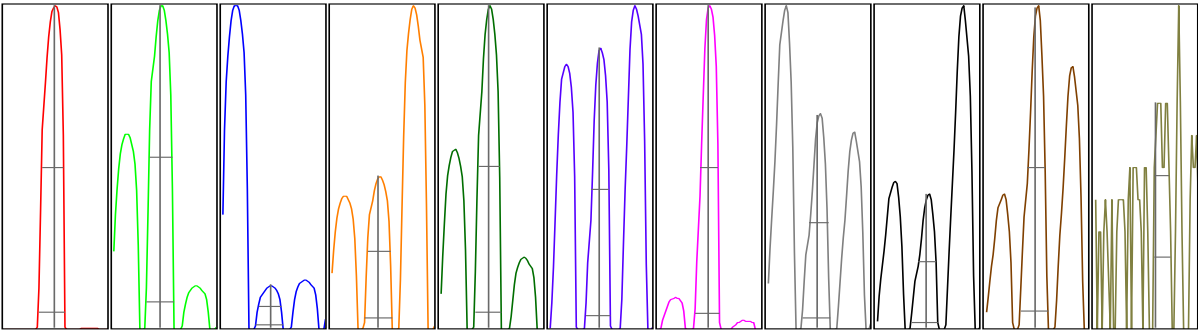
US EPA Tune Check Sample Report

Batch Folder D:\ICP-MS Data\P7112118-MS.b  
Report Comment  
Instrument Name G8403A JP14410463

| [No Gas] |        |          |            |        |
|----------|--------|----------|------------|--------|
| Mass     | Count  | RSD%     | RSD%       | RSD%   |
|          | (Mean) | (Actual) | (Required) | (Flag) |
| 9        | 16371  | 0.79     | 5.00       |        |
| 24       | 137522 | 1.12     | 5.00       |        |
| 25       | 18244  | 1.21     | 5.00       |        |
| 26       | 21243  | 1.30     | 5.00       |        |
| 59       | 118660 | 1.04     | 5.00       |        |
| 113      | 15464  | 1.03     | 5.00       |        |
| 115      | 182116 | 1.30     | 5.00       |        |
| 206      | 52124  | 0.76     | 5.00       |        |
| 207      | 47564  | 0.81     | 5.00       |        |
| 208      | 113210 | 0.52     | 5.00       |        |
| 220      | 0      | 31.04    |            |        |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 9    | 16545                | 16442                | 16357                | 16302                | 16209                |
| 24   | 139319               | 138645               | 137720               | 136213               | 135716               |
| 25   | 18545                | 18375                | 18229                | 18063                | 18010                |
| 26   | 21580                | 21423                | 21288                | 20975                | 20950                |
| 59   | 120173               | 119522               | 118757               | 117424               | 117424               |
| 113  | 15650                | 15533                | 15513                | 15395                | 15230                |
| 115  | 185350               | 183759               | 181274               | 180585               | 179611               |
| 206  | 52494                | 52502                | 52172                | 51843                | 51609                |
| 207  | 47927                | 47897                | 47635                | 47349                | 47011                |
| 208  | 113817               | 113800               | 113144               | 112699               | 112590               |
| 220  | 0                    | 0                    | 0                    | 0                    | 0                    |

Integration Time [sec] = 0.1



| Mass | Peak<br>Height | Axis<br>(Actual) | Axis<br>(Required) | Axis<br>(Flag) | Width-X%<br>(Actual) | Width-X%<br>(Required) | Width-<br>X%<br>(Flag) |
|------|----------------|------------------|--------------------|----------------|----------------------|------------------------|------------------------|
| 9    | 27034          | 9.00             | 8.9 - 9.1          |                | 0.777                | 0.900                  |                        |
| 24   | 220056         | 23.90            | 23.9 - 24.1        |                | 0.807                | 0.900                  |                        |
| 25   | 29330          | 24.95            | 24.9 - 25.1        |                | 0.788                | 0.900                  |                        |
| 26   | 33781          | 25.90            | 25.9 - 26.1        |                | 0.787                | 0.900                  |                        |
| 59   | 202962         | 58.95            | 58.9 - 59.1        |                | 0.781                | 0.900                  |                        |
| 113  | 30130          | 113.00           | 112.9 - 113.1      |                | 0.720                | 0.900                  |                        |
| 115  | 354987         | 115.00           | 114.9 - 115.1      |                | 0.708                | 0.900                  |                        |
| 206  | 99735          | 206.00           | 205.9 - 206.1      |                | 0.812                | 0.900                  |                        |
| 207  | 91509          | 207.00           | 206.9 - 207.1      |                | 0.779                | 0.900                  |                        |
| 208  | 218734         | 208.00           | 207.9 - 208.1      |                | 0.815                | 0.900                  |                        |
| 220  | 0              | 220.35           | -                  |                | 0.490                |                        |                        |

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

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName       | Value | Unit         |
|---------------|-------|------|----------------|-------|-------|---------------------|-------|--------------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.80  | L/min | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.37 L/min   |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 6.5   | V    | Deflect       | 14.2  | V    |
| Extract 2     | -140.0 | V    | Cell Entrance | -30   | V    | Plate Bias    | -35   | V    |
| Omega Bias    | -80    | V    | Cell Exit     | -50   | V    |               |       |      |

## Cell Parameters ##

| ParameterName | Value | Unit   | ParameterName | Value | Unit | ParameterName         | Value | Unit  |
|---------------|-------|--------|---------------|-------|------|-----------------------|-------|-------|
| Use Gas       | No    |        | OctP Bias     | -8.0  | V    | Energy Discrimination |       | 5.0 V |
| He Flow       | 0.0   | mL/min | OctP RF       | 200   | V    |                       |       |       |

[He]

| Mass | Count  | RSD%     | RSD%       |
|------|--------|----------|------------|
|      | (Mean) | (Actual) | (Required) |
| 59   | 29064  | 0.59     |            |
| 89   | 34523  | 0.56     |            |
| 205  | 41951  | 0.27     |            |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 59   | 29279                | 29194                | 29039                | 28869                | 28939                |
| 89   | 34794                | 34483                | 34577                | 34502                | 34259                |
| 205  | 41942                | 41881                | 42104                | 42015                | 41813                |

Integration Time [sec] = 0.1

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName       | Value | Unit         |
|---------------|-------|------|----------------|-------|-------|---------------------|-------|--------------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.80  | L/min | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.37 L/min   |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 7.0   | V    | Deflect       | 2.2   | V    |
| Extract 2     | -135.0 | V    | Cell Entrance | -40   | V    | Plate Bias    | -60   | V    |
| Omega Bias    | -75    | V    | Cell Exit     | -60   | V    |               |       |      |

## Cell Parameters ##

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