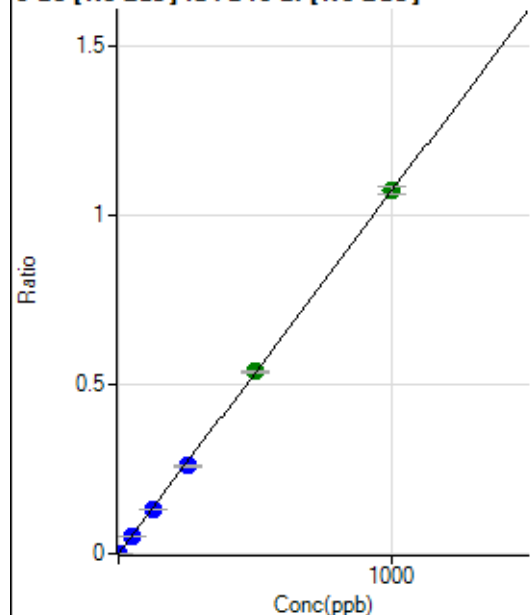


Calibration for 004CALB.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7032292-MS2.b\  
 Analysis File: P7032292-MS2.batch.bin  
 DA Date-Time: 2022-03-29 18:09:13  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 005CALB.d          | S00         | 2022-03-29 17:04:13 |
| 2     | 006CALS.d          | S01         | 2022-03-29 17:07:07 |
| 3     | 008CALS.d          | S02         | 2022-03-29 17:12:52 |
| 4     | 009CALS.d          | S03         | 2022-03-29 17:15:44 |
| 5     | 010CALS.d          | S04         | 2022-03-29 17:18:31 |
| 6     | 011CALS.d          | S05         | 2022-03-29 17:21:19 |
| 7     | 012CALS.d          | S06         | 2022-03-29 17:24:06 |
| 8     | 013CALS.d          | S07         | 2022-03-29 17:26:51 |
| 9     | 014CALS.d          | S08         | 2022-03-29 17:29:39 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 264.45     | 0.0001 | P       | 20.2 |
| 2 | <input type="checkbox"/> | 0.100    | 0.099      | 517.80     | 0.0002 | P       | 15.3 |
| 3 | <input type="checkbox"/> | 1.000    | 1.059      | 3019.21    | 0.0012 | P       | 2.7  |
| 4 | <input type="checkbox"/> | 50.000   | 49.643     | 131692.47  | 0.0533 | P       | 1.5  |
| 5 | <input type="checkbox"/> | 125.000  | 123.628    | 326295.68  | 0.1325 | P       | 0.9  |
| 6 | <input type="checkbox"/> | 250.000  | 242.144    | 652901.21  | 0.2594 | P       | 1.3  |
| 7 | <input type="checkbox"/> | 500.000  | 501.831    | 1335916.10 | 0.5376 | A       | 1.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.238   | 2623591.00 | 1.0724 | A       | 2.2  |
| 9 | <input type="checkbox"/> |          |            | 358.90     | 0.0002 | P       | 7.1  |

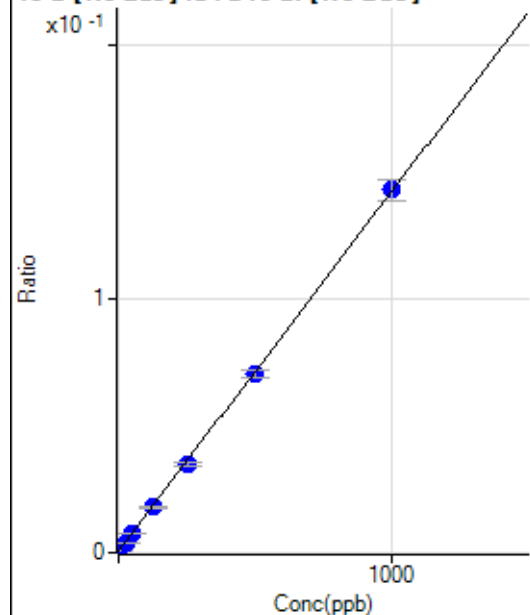
$$y = 0.0011 * x + 1.1012E-004$$

$$R = 1.0000$$

$$DL = 0.06226$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-----------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1536.23   | 0.0006 | P       | 13.9 |
| 2 | <input type="checkbox"/> | 2.500    | 2.281      | 2305.78   | 0.0010 | P       | 2.1  |
| 3 | <input type="checkbox"/> | 25.000   | 23.699     | 9689.36   | 0.0040 | P       | 4.0  |
| 4 | <input type="checkbox"/> | 50.000   | 49.974     | 19053.72  | 0.0077 | P       | 5.8  |
| 5 | <input type="checkbox"/> | 125.000  | 121.890    | 44041.03  | 0.0179 | P       | 6.0  |
| 6 | <input type="checkbox"/> | 250.000  | 242.128    | 87812.32  | 0.0349 | P       | 5.0  |
| 7 | <input type="checkbox"/> | 500.000  | 494.269    | 175433.02 | 0.0706 | P       | 3.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.257   | 349216.10 | 0.1429 | P       | 5.9  |
| 9 | <input type="checkbox"/> |          |            | 19660.20  | 0.0087 | P       | 12.0 |

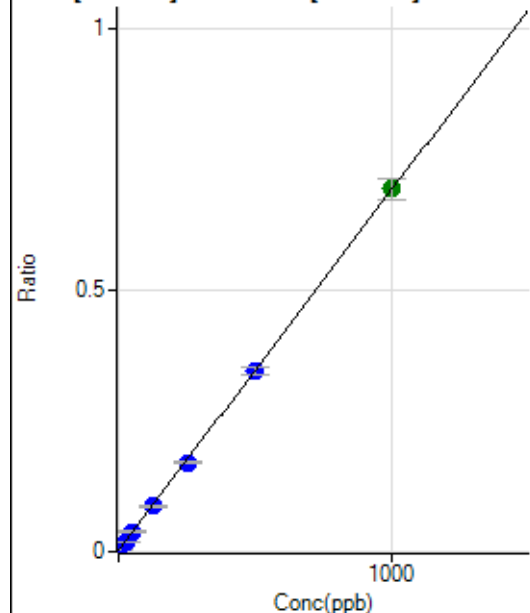
$$y = 1.4147E-004 * x + 6.3932E-004$$

$$R = 0.9999$$

$$DL = 1.891$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 7296.30    | 0.0030 | P       | 0.6  |
| 2 | <input type="checkbox"/> | 2.500    | 2.250      | 10998.59   | 0.0046 | P       | 6.4  |
| 3 | <input type="checkbox"/> | 25.000   | 23.835     | 47258.90   | 0.0195 | P       | 4.1  |
| 4 | <input type="checkbox"/> | 50.000   | 50.473     | 93501.69   | 0.0378 | P       | 6.0  |
| 5 | <input type="checkbox"/> | 125.000  | 123.192    | 216630.54  | 0.0880 | P       | 3.9  |
| 6 | <input type="checkbox"/> | 250.000  | 242.554    | 428490.01  | 0.1703 | P       | 3.2  |
| 7 | <input type="checkbox"/> | 500.000  | 497.779    | 860723.16  | 0.3462 | P       | 4.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 1003.204   | 1698241.15 | 0.6947 | A       | 5.7  |
| 9 | <input type="checkbox"/> |          |            | 96703.46   | 0.0429 | P       | 12.0 |

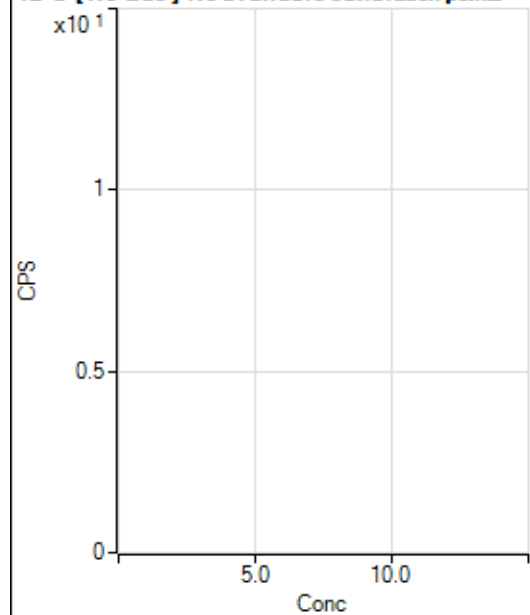
$$y = 6.8942E-004 * x + 0.0030$$

$$R = 1.0000$$

$$DL = 0.08221$$

Weight: &lt;None&gt;

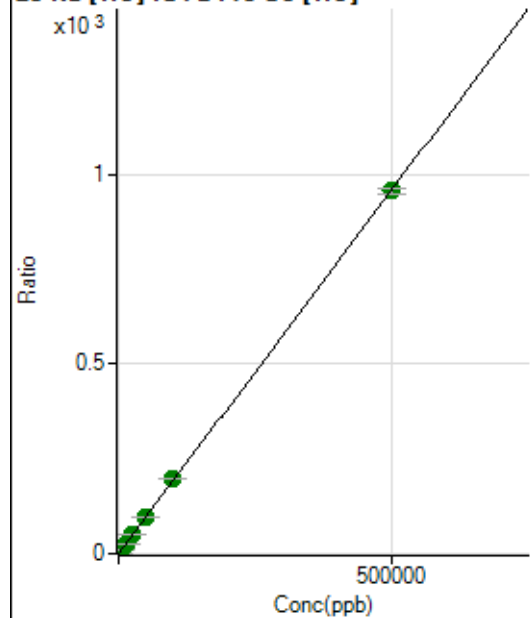
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-----|-------|---------|-----|
| 1 | <input type="checkbox"/> |       |            |     |       |         |     |
| 2 | <input type="checkbox"/> |       |            |     |       |         |     |
| 3 | <input type="checkbox"/> |       |            |     |       |         |     |
| 4 | <input type="checkbox"/> |       |            |     |       |         |     |
| 5 | <input type="checkbox"/> |       |            |     |       |         |     |
| 6 | <input type="checkbox"/> |       |            |     |       |         |     |
| 7 | <input type="checkbox"/> |       |            |     |       |         |     |
| 8 | <input type="checkbox"/> |       |            |     |       |         |     |
| 9 | <input type="checkbox"/> |       |            |     |       |         |     |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-----|-------|---------|-----|
| 1 | <input type="checkbox"/> |       |            |     |       |         |     |
| 2 | <input type="checkbox"/> |       |            |     |       |         |     |
| 3 | <input type="checkbox"/> |       |            |     |       |         |     |
| 4 | <input type="checkbox"/> |       |            |     |       |         |     |
| 5 | <input type="checkbox"/> |       |            |     |       |         |     |
| 6 | <input type="checkbox"/> |       |            |     |       |         |     |
| 7 | <input type="checkbox"/> |       |            |     |       |         |     |
| 8 | <input type="checkbox"/> |       |            |     |       |         |     |
| 9 | <input type="checkbox"/> |       |            |     |       |         |     |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS          | Ratio    | De<br>t | RSD |
|---|--------------------------|-----------|------------|--------------|----------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 21081.34     | 0.0409   | P       | 3.1 |
| 2 | <input type="checkbox"/> | 50.000    | 52.150     | 72296.72     | 0.1408   | P       | 1.3 |
| 3 | <input type="checkbox"/> | 500.000   | 491.166    | 516033.33    | 0.9823   | P       | 0.3 |
| 4 | <input type="checkbox"/> | 5000.000  | 5024.089   | 5051893.75   | 9.6711   | A       | 1.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 12617.284  | 12545171.00  | 24.2258  | A       | 0.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 25276.671  | 24929951.02  | 48.4914  | A       | 0.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 50420.121  | 50134553.44  | 96.6865  | A       | 0.3 |
| 8 | <input type="checkbox"/> | 100000.00 | 104180.95  | 103685188.43 | 199.7355 | A       | 0.4 |
| 9 | <input type="checkbox"/> | 500000.00 | 499104.79  | 533249474.88 | 956.7279 | A       | 1.4 |

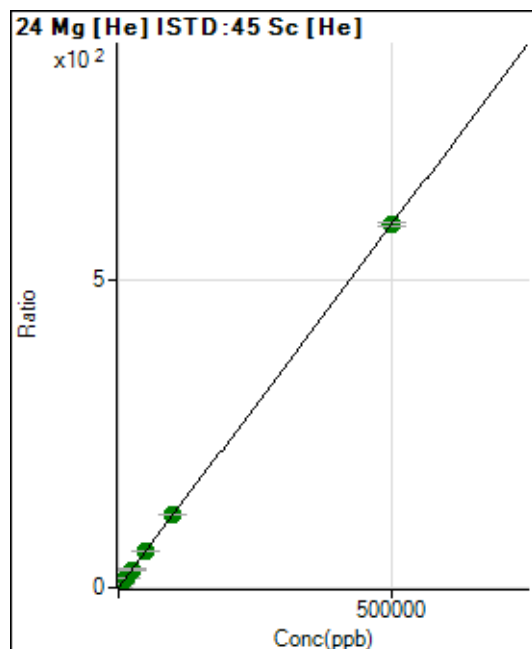
$$y = 0.0019 * x + 0.0409$$

$$R = 1.0000$$

$$DL = 1.953$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS          | Ratio    | De<br>t | RSD  |
|---|--------------------------|-----------|------------|--------------|----------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 355.57       | 0.0007   | P       | 10.1 |
| 2 | <input type="checkbox"/> | 50.000    | 49.241     | 30229.97     | 0.0589   | P       | 1.2  |
| 3 | <input type="checkbox"/> | 500.000   | 487.632    | 303112.14    | 0.5770   | P       | 0.5  |
| 4 | <input type="checkbox"/> | 5000.000  | 5020.687   | 3099880.71   | 5.9346   | A       | 0.4  |
| 5 | <input type="checkbox"/> | 12500.000 | 12516.851  | 7661147.57   | 14.7942  | A       | 0.2  |
| 6 | <input type="checkbox"/> | 25000.000 | 25153.837  | 15284382.05  | 29.7298  | A       | 1.0  |
| 7 | <input type="checkbox"/> | 50000.000 | 49742.066  | 30484438.65  | 58.7904  | A       | 0.3  |
| 8 | <input type="checkbox"/> | 100000.00 | 101713.11  | 62403716.21  | 120.2145 | A       | 0.4  |
| 9 | <input type="checkbox"/> | 500000.00 | 499674.86  | 329154944.40 | 590.5620 | A       | 0.9  |

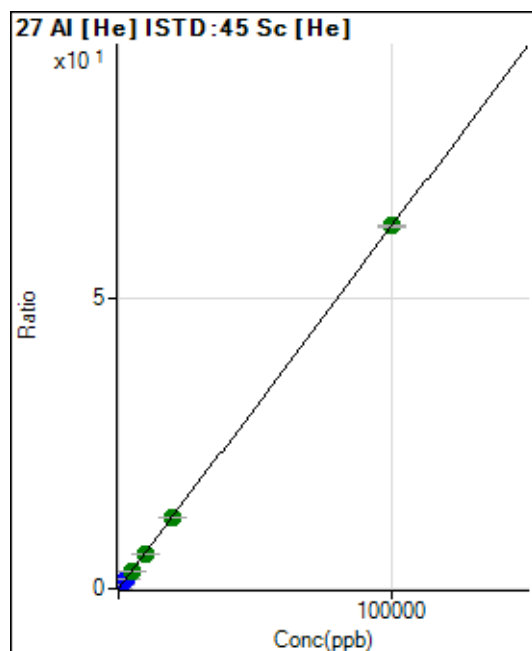
$$y = 0.0012 * x + 6.8991E-004$$

$$R = 1.0000$$

$$DL = 0.1769$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | De<br>t | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 227.78      | 0.0004  | P       | 37.3 |
| 2 | <input type="checkbox"/> | 2.000     | 2.564      | 1046.35     | 0.0020  | P       | 12.6 |
| 3 | <input type="checkbox"/> | 20.000    | 19.378     | 6568.18     | 0.0125  | P       | 2.0  |
| 4 | <input type="checkbox"/> | 1000.000  | 962.247    | 313093.99   | 0.5994  | P       | 0.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2409.969   | 777036.61   | 1.5005  | P       | 0.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 4864.950   | 1557038.81  | 3.0285  | A       | 0.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 9700.014   | 3130879.12  | 6.0380  | A       | 0.9  |
| 8 | <input type="checkbox"/> | 20000.000 | 19702.213  | 6366071.21  | 12.2637 | A       | 0.8  |
| 9 | <input type="checkbox"/> | 100000.00 | 100098.93  | 34727551.47 | 62.3050 | A       | 0.4  |

$$y = 6.2243E-004 * x + 4.4113E-004$$

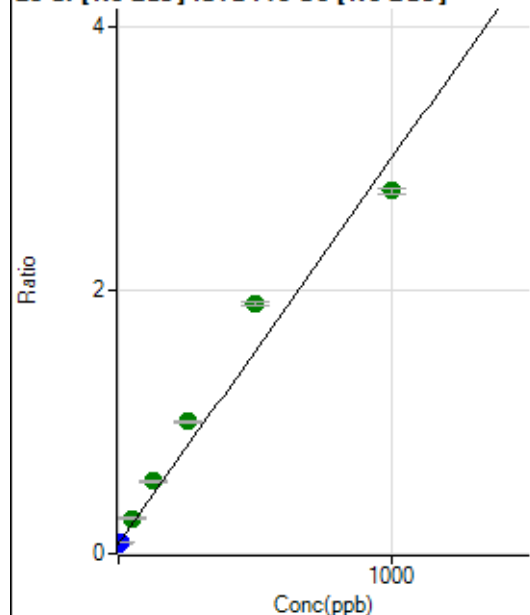
$$R = 1.0000$$

$$DL = 0.7938$$

Weight: <None>

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 458866.82   | 0.0756 | P       | 0.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.262      | 462796.75   | 0.0763 | P       | 0.3 |
| 3 | <input type="checkbox"/> | 10.000   | 4.253      | 536535.36   | 0.0880 | P       | 0.1 |
| 4 | <input type="checkbox"/> | 50.000   | 66.365     | 1671813.67  | 0.2699 | A       | 1.8 |
| 5 | <input type="checkbox"/> | 125.000  | 161.736    | 3319325.38  | 0.5491 | A       | 1.7 |
| 6 | <input type="checkbox"/> | 250.000  | 318.073    | 6080595.06  | 1.0068 | A       | 1.2 |
| 7 | <input type="checkbox"/> | 500.000  | 623.286    | 11631267.71 | 1.9005 | A       | 1.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 915.986    | 16762323.12 | 2.7574 | A       | 1.9 |
| 9 | <input type="checkbox"/> |          |            | 1857390.06  | 0.3051 | A       | 7.1 |

$$y = 0.0029 * x + 0.0756$$

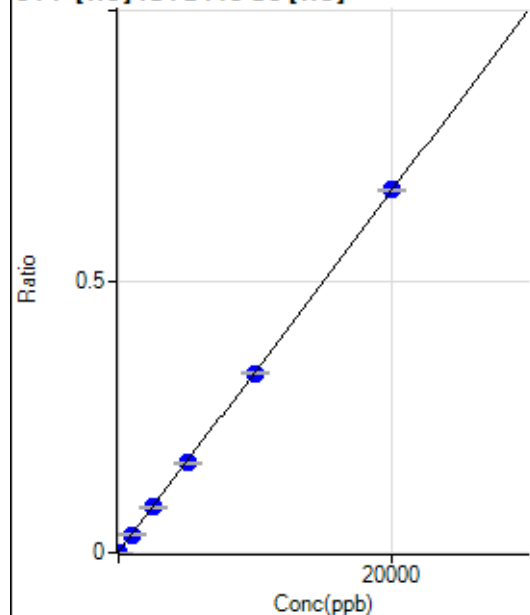
$$R = 0.9852$$

$$DL = 0.5358$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | De<br>t | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | -4.487     | 377.79    | 0.0007 | P       | 25.9 |
| 2 | <input type="checkbox"/> | 0.000     | -8.934     | 300.01    | 0.0006 | P       | 15.0 |
| 3 | <input type="checkbox"/> | 0.000     | 13.421     | 697.26    | 0.0013 | P       | 6.3  |
| 4 | <input type="checkbox"/> | 1000.000  | 974.898    | 17393.67  | 0.0333 | P       | 3.2  |
| 5 | <input type="checkbox"/> | 2500.000  | 2497.245   | 43462.26  | 0.0839 | P       | 2.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 4933.037   | 84779.25  | 0.1649 | P       | 2.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 9907.398   | 171283.59 | 0.3303 | P       | 0.7  |
| 8 | <input type="checkbox"/> | 20000.000 | 20064.641  | 346809.93 | 0.6681 | P       | 0.5  |
| 9 | <input type="checkbox"/> |           |            | 547.25    | 0.0010 | P       | 20.4 |

$$y = 3.3253E-005 * x + 8.8123E-004$$

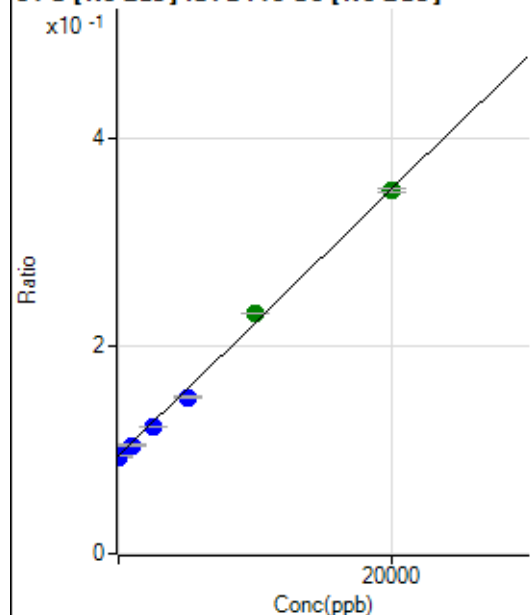
$$R = 1.0000$$

$$DL = 10.88$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | De<br>t | RSD |
|---|--------------------------|-----------|------------|------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -15.712    | 570493.31  | 0.0940 | P       | 1.4 |
| 2 | <input type="checkbox"/> | 0.000     | -52.559    | 566730.89  | 0.0935 | P       | 1.3 |
| 3 | <input type="checkbox"/> | 0.000     | 68.271     | 579304.86  | 0.0950 | P       | 0.1 |
| 4 | <input type="checkbox"/> | 1000.000  | 810.375    | 648019.73  | 0.1046 | P       | 0.4 |
| 5 | <input type="checkbox"/> | 2500.000  | 2225.929   | 742586.26  | 0.1229 | P       | 0.6 |
| 6 | <input type="checkbox"/> | 5000.000  | 4414.973   | 912279.85  | 0.1511 | P       | 1.3 |
| 7 | <input type="checkbox"/> | 10000.000 | 10684.742  | 1419050.98 | 0.2319 | A       | 0.7 |
| 8 | <input type="checkbox"/> | 20000.000 | 19847.626  | 2127422.99 | 0.3499 | A       | 1.2 |
| 9 | <input type="checkbox"/> |           |            | 514787.88  | 0.0846 | P       | 2.5 |

$$y = 1.2886E-005 * x + 0.0942$$

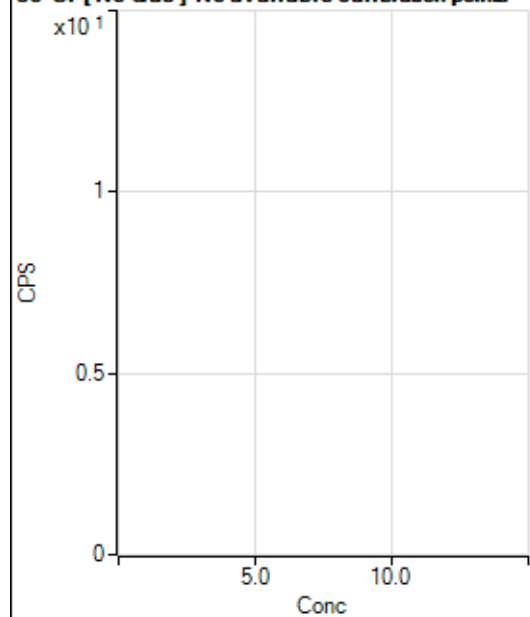
$$R = 0.9987$$

$$DL = 202.7$$

Weight: &lt;None&gt;

Min Conc: 0

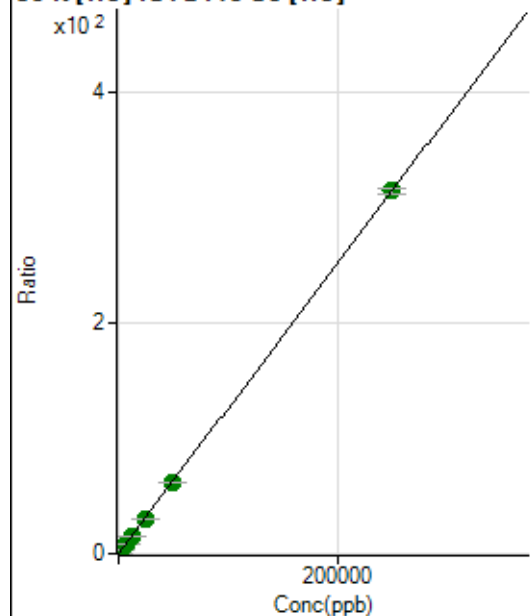
35 Cl [No Gas] No available calibration points



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-----|-------|---------|-----|
| 1 | <input type="checkbox"/> |       |            |     |       |         |     |
| 2 | <input type="checkbox"/> |       |            |     |       |         |     |
| 3 | <input type="checkbox"/> |       |            |     |       |         |     |
| 4 | <input type="checkbox"/> |       |            |     |       |         |     |
| 5 | <input type="checkbox"/> |       |            |     |       |         |     |
| 6 | <input type="checkbox"/> |       |            |     |       |         |     |
| 7 | <input type="checkbox"/> |       |            |     |       |         |     |
| 8 | <input type="checkbox"/> |       |            |     |       |         |     |
| 9 | <input type="checkbox"/> |       |            |     |       |         |     |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-----|-------|---------|-----|
| 1 | <input type="checkbox"/> |       |            |     |       |         |     |
| 2 | <input type="checkbox"/> |       |            |     |       |         |     |
| 3 | <input type="checkbox"/> |       |            |     |       |         |     |
| 4 | <input type="checkbox"/> |       |            |     |       |         |     |
| 5 | <input type="checkbox"/> |       |            |     |       |         |     |
| 6 | <input type="checkbox"/> |       |            |     |       |         |     |
| 7 | <input type="checkbox"/> |       |            |     |       |         |     |
| 8 | <input type="checkbox"/> |       |            |     |       |         |     |
| 9 | <input type="checkbox"/> |       |            |     |       |         |     |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS          | Ratio    | De<br>t | RSD |
|---|--------------------------|-----------|------------|--------------|----------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 82663.26     | 0.1603   | P       | 1.3 |
| 2 | <input type="checkbox"/> | 50.000    | 53.026     | 116432.44    | 0.2268   | P       | 0.6 |
| 3 | <input type="checkbox"/> | 500.000   | 492.937    | 409181.10    | 0.7789   | P       | 0.3 |
| 4 | <input type="checkbox"/> | 2500.000  | 2393.821   | 1653089.09   | 3.1647   | A       | 1.0 |
| 5 | <input type="checkbox"/> | 6250.000  | 5954.443   | 3953061.11   | 7.6336   | A       | 0.6 |
| 6 | <input type="checkbox"/> | 12500.000 | 11983.822  | 7814838.02   | 15.2009  | A       | 0.9 |
| 7 | <input type="checkbox"/> | 25000.000 | 23625.928  | 15458659.37  | 29.8127  | A       | 0.4 |
| 8 | <input type="checkbox"/> | 50000.000 | 48610.611  | 31754595.85  | 61.1704  | A       | 0.3 |
| 9 | <input type="checkbox"/> | 250000.00 | 250449.55  | 175294324.75 | 314.4941 | A       | 1.9 |

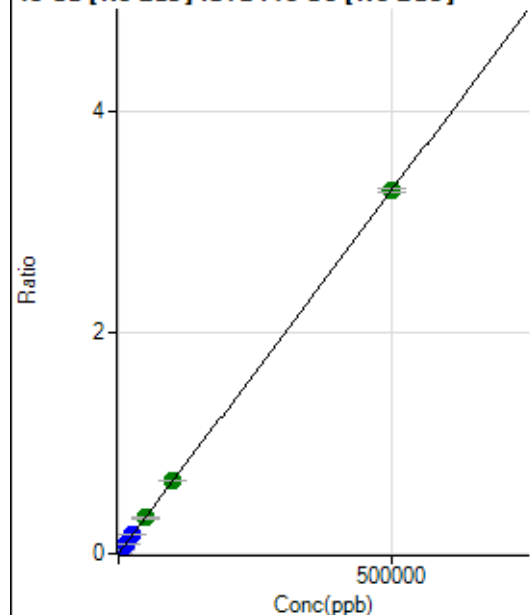
$$y = 0.0013 * x + 0.1603$$

$$R = 1.0000$$

$$DL = 5.111$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 205.56      | 0.0000 | P       | 18.1 |
| 2 | <input type="checkbox"/> | 50.000    | 54.755     | 2380.80     | 0.0004 | P       | 4.0  |
| 3 | <input type="checkbox"/> | 500.000   | 512.122    | 20664.51    | 0.0034 | P       | 1.2  |
| 4 | <input type="checkbox"/> | 5000.000  | 5157.147   | 209598.99   | 0.0338 | P       | 1.5  |
| 5 | <input type="checkbox"/> | 12500.000 | 13089.209  | 518829.06   | 0.0858 | P       | 1.2  |
| 6 | <input type="checkbox"/> | 25000.000 | 26321.951  | 1042252.79  | 0.1726 | P       | 0.4  |
| 7 | <input type="checkbox"/> | 50000.000 | 49022.778  | 1966889.00  | 0.3214 | A       | 0.7  |
| 8 | <input type="checkbox"/> | 100000.00 | 101030.13  | 4025916.84  | 0.6622 | A       | 1.7  |
| 9 | <input type="checkbox"/> | 500000.00 | 499809.28  | 19938681.52 | 3.2761 | A       | 0.9  |

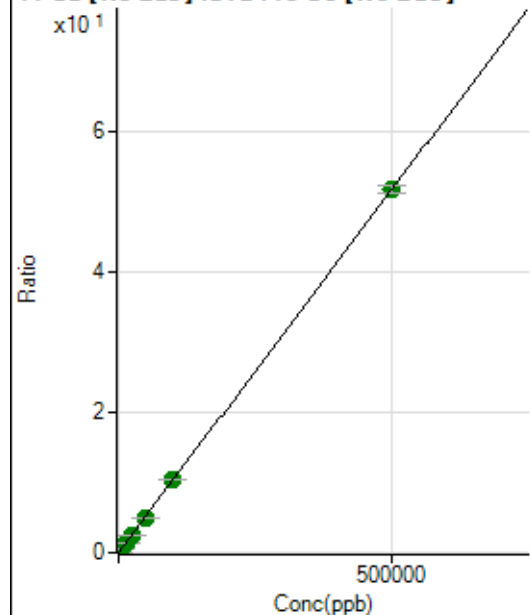
$$y = 6.5546E-006 * x + 3.3846E-005$$

$$R = 1.0000$$

$$DL = 2.798$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS          | Ratio   | De<br>t | RSD |
|---|--------------------------|-----------|------------|--------------|---------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 108521.55    | 0.0179  | P       | 0.5 |
| 2 | <input type="checkbox"/> | 50.000    | 47.514     | 138076.71    | 0.0228  | P       | 1.1 |
| 3 | <input type="checkbox"/> | 500.000   | 507.600    | 428241.05    | 0.0703  | P       | 0.5 |
| 4 | <input type="checkbox"/> | 5000.000  | 4846.893   | 3209367.17   | 0.5181  | A       | 1.3 |
| 5 | <input type="checkbox"/> | 12500.000 | 12163.783  | 7696794.53   | 1.2733  | A       | 0.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 24386.991  | 15309303.12  | 2.5348  | A       | 0.1 |
| 7 | <input type="checkbox"/> | 50000.000 | 48683.078  | 30861339.23  | 5.0424  | A       | 0.6 |
| 8 | <input type="checkbox"/> | 100000.00 | 100267.79  | 63019706.27  | 10.3663 | A       | 1.7 |
| 9 | <input type="checkbox"/> | 500000.00 | 500118.71  | 314246026.47 | 51.6341 | A       | 2.0 |

$$y = 1.0321E-004 * x + 0.0179$$

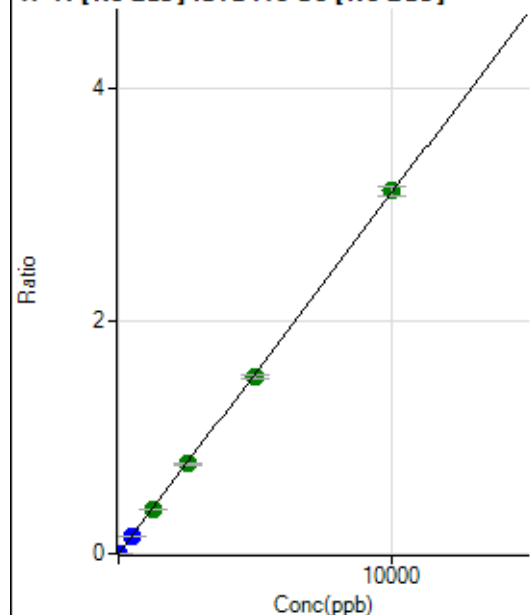
$$R = 1.0000$$

$$DL = 2.852$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 272.23      | 0.0000 | P       | 13.6 |
| 2 | <input type="checkbox"/> | 0.500     | 0.460      | 1136.18     | 0.0002 | P       | 18.3 |
| 3 | <input type="checkbox"/> | 5.000     | 4.904      | 9536.57     | 0.0016 | P       | 2.8  |
| 4 | <input type="checkbox"/> | 500.000   | 494.367    | 949461.87   | 0.1533 | P       | 0.7  |
| 5 | <input type="checkbox"/> | 1250.000  | 1229.235   | 2303327.94  | 0.3811 | A       | 0.3  |
| 6 | <input type="checkbox"/> | 2500.000  | 2488.312   | 4658348.28  | 0.7713 | A       | 1.2  |
| 7 | <input type="checkbox"/> | 5000.000  | 4901.004   | 9297166.70  | 1.5191 | A       | 1.5  |
| 8 | <input type="checkbox"/> | 10000.000 | 10055.298  | 18943836.36 | 3.1167 | A       | 2.8  |
| 9 | <input type="checkbox"/> |           |            | 3336.55     | 0.0005 | P       | 5.1  |

$$y = 3.0996\text{E-}004 * x + 4.4827\text{E-}005$$

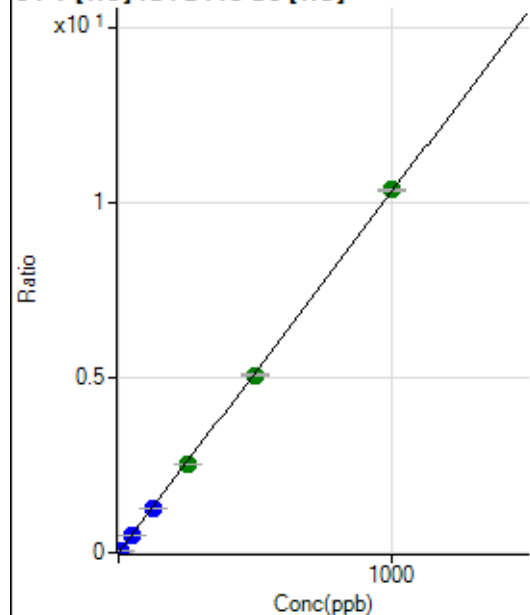
$$R = 0.9999$$

$$DL = 0.05889$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio   | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|---------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 172.23     | 0.0003  | P       | 15.8 |
| 2 | <input type="checkbox"/> | 0.500    | 0.472      | 2670.27    | 0.0052  | P       | 3.0  |
| 3 | <input type="checkbox"/> | 5.000    | 4.818      | 26281.88   | 0.0500  | P       | 1.6  |
| 4 | <input type="checkbox"/> | 50.000   | 49.443     | 266556.25  | 0.5103  | P       | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 124.033    | 662674.85  | 1.2797  | P       | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 245.194    | 1300448.15 | 2.5294  | A       | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 491.481    | 2628812.96 | 5.0698  | A       | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.611   | 5384639.23 | 10.3728 | A       | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 1630.23    | 0.0029  | P       | 22.2 |

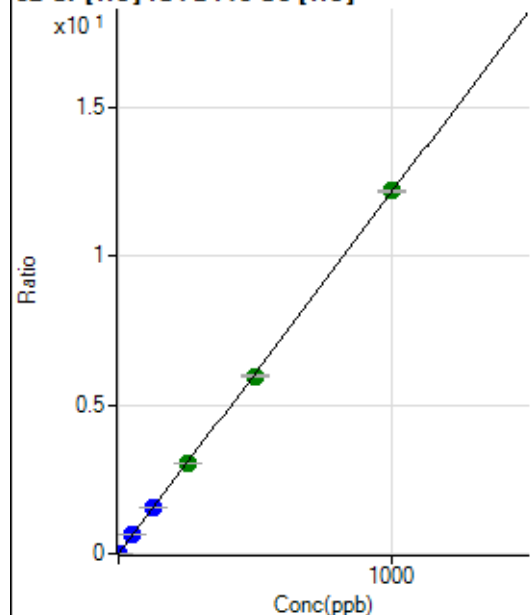
$$y = 0.0103 * x + 3.3432\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.01541$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio   | De<br>t | RSD |
|---|--------------------------|----------|------------|------------|---------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3298.17    | 0.0064  | P       | 2.2 |
| 2 | <input type="checkbox"/> | 0.200    | 0.232      | 4728.56    | 0.0092  | P       | 2.3 |
| 3 | <input type="checkbox"/> | 2.000    | 1.981      | 15983.00   | 0.0304  | P       | 0.7 |
| 4 | <input type="checkbox"/> | 50.000   | 50.254     | 321769.91  | 0.6160  | P       | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 125.065    | 788965.91  | 1.5236  | P       | 0.6 |
| 6 | <input type="checkbox"/> | 250.000  | 249.490    | 1559366.04 | 3.0329  | A       | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 490.827    | 3090750.96 | 5.9606  | A       | 1.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.693   | 6330167.82 | 12.1943 | A       | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 79422.25   | 0.1425  | P       | 0.5 |

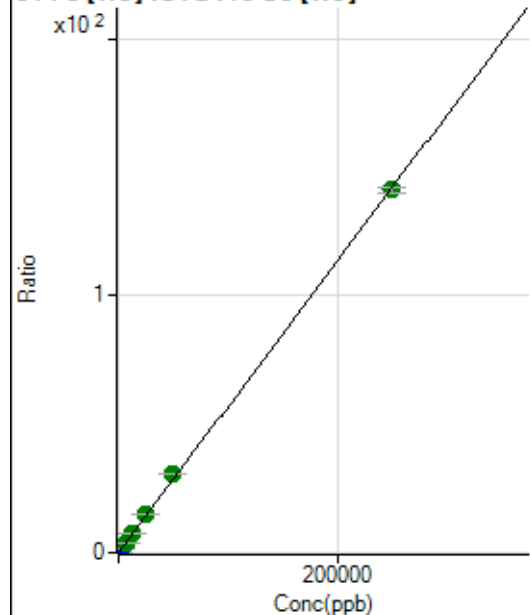
$$y = 0.0121 * x + 0.0064$$

$$R = 0.9999$$

$$DL = 0.0345$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | De<br>t | RSD |
|---|--------------------------|-----------|------------|-------------|----------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 2466.09     | 0.0048   | P       | 2.7 |
| 2 | <input type="checkbox"/> | 5.000     | 6.339      | 4298.38     | 0.0084   | P       | 4.8 |
| 3 | <input type="checkbox"/> | 50.000    | 54.920     | 18871.18    | 0.0359   | P       | 2.9 |
| 4 | <input type="checkbox"/> | 2500.000  | 2778.723   | 825514.58   | 1.5804   | P       | 1.4 |
| 5 | <input type="checkbox"/> | 6250.000  | 6708.939   | 1972417.74  | 3.8089   | A       | 0.7 |
| 6 | <input type="checkbox"/> | 12500.000 | 13386.937  | 3904999.76  | 7.5956   | A       | 0.7 |
| 7 | <input type="checkbox"/> | 25000.000 | 26452.450  | 7780045.76  | 15.0041  | A       | 0.4 |
| 8 | <input type="checkbox"/> | 50000.000 | 53702.918  | 15809966.28 | 30.4559  | A       | 0.5 |
| 9 | <input type="checkbox"/> | 250000.00 | 249055.56  | 78713428.99 | 141.2267 | A       | 1.2 |

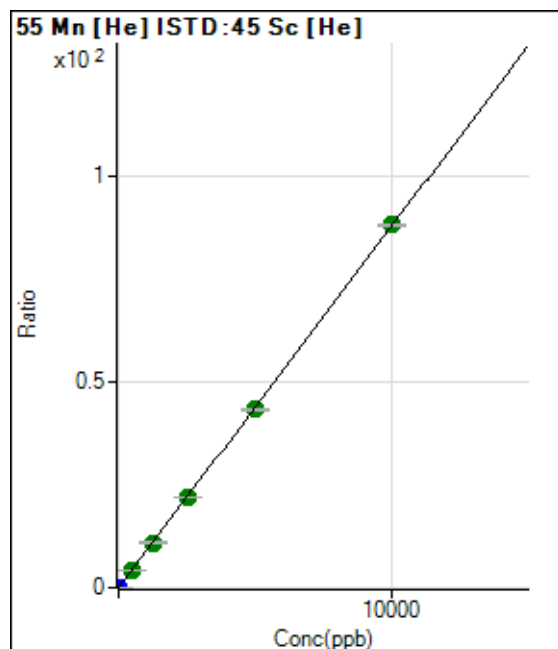
$$y = 5.6703E-004 * x + 0.0048$$

$$R = 0.9999$$

$$DL = 0.6823$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | De<br>t | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 422.23      | 0.0008  | P       | 11.3 |
| 2 | <input type="checkbox"/> | 0.100     | 0.117      | 950.04      | 0.0019  | P       | 8.6  |
| 3 | <input type="checkbox"/> | 1.000     | 1.009      | 5089.81     | 0.0097  | P       | 2.9  |
| 4 | <input type="checkbox"/> | 500.000   | 499.897    | 2295347.40  | 4.3942  | A       | 1.7  |
| 5 | <input type="checkbox"/> | 1250.000  | 1250.414   | 5691207.56  | 10.9902 | A       | 1.3  |
| 6 | <input type="checkbox"/> | 2500.000  | 2483.475   | 11221815.11 | 21.8271 | A       | 0.3  |
| 7 | <input type="checkbox"/> | 5000.000  | 4927.143   | 22454031.05 | 43.3035 | A       | 0.3  |
| 8 | <input type="checkbox"/> | 10000.000 | 10040.513  | 45807229.32 | 88.2429 | A       | 0.4  |
| 9 | <input type="checkbox"/> |           |            | 39667.28    | 0.0712  | P       | 6.6  |

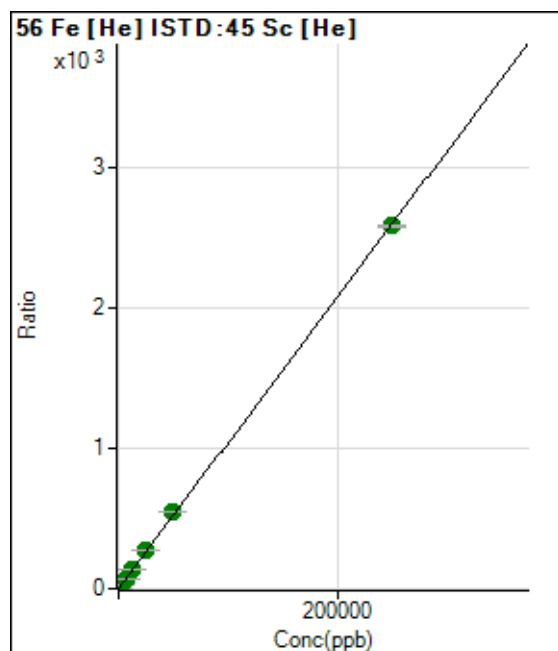
$$y = 0.0088 * x + 8.1837E-004$$

$$R = 1.0000$$

$$DL = 0.03145$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS          | Ratio     | De<br>t | RSD |
|---|--------------------------|-----------|------------|--------------|-----------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 32338.69     | 0.0627    | P       | 2.5 |
| 2 | <input type="checkbox"/> | 5.000     | 5.880      | 63500.30     | 0.1237    | P       | 0.7 |
| 3 | <input type="checkbox"/> | 50.000    | 53.316     | 323468.32    | 0.6158    | P       | 0.9 |
| 4 | <input type="checkbox"/> | 2500.000  | 2627.807   | 14272536.32  | 27.3231   | A       | 1.1 |
| 5 | <input type="checkbox"/> | 6250.000  | 6606.605   | 35524546.86  | 68.5984   | A       | 0.9 |
| 6 | <input type="checkbox"/> | 12500.000 | 13145.989  | 70142311.75  | 136.4369  | A       | 1.0 |
| 7 | <input type="checkbox"/> | 25000.000 | 26002.903  | 139904834.61 | 269.8122  | A       | 0.5 |
| 8 | <input type="checkbox"/> | 50000.000 | 52955.466  | 285199861.93 | 549.4133  | A       | 0.8 |
| 9 | <input type="checkbox"/> | 250000.00 | 249266.12  | 1441329572.9 | 2,585.905 | A       | 0.8 |

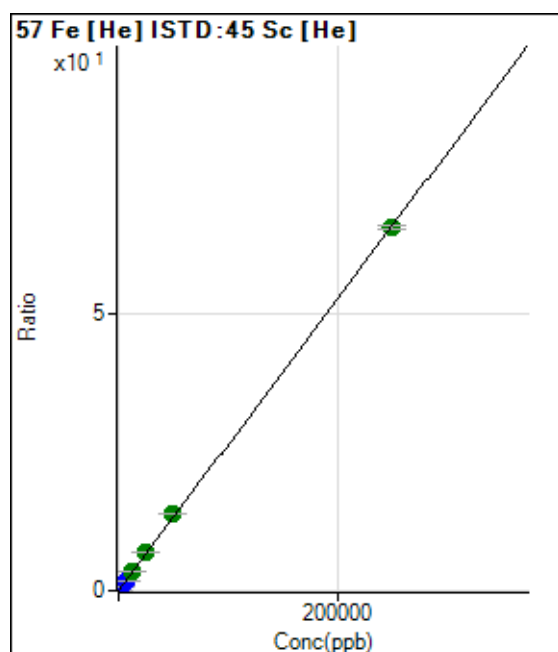
$$y = 0.0104 * x + 0.0627$$

$$R = 0.9999$$

$$DL = 0.4591$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | De<br>t | RSD |
|---|--------------------------|-----------|------------|-------------|---------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1024.13     | 0.0020  | P       | 3.7 |
| 2 | <input type="checkbox"/> | 5.000     | 5.780      | 1796.43     | 0.0035  | P       | 7.6 |
| 3 | <input type="checkbox"/> | 50.000    | 54.428     | 8535.89     | 0.0162  | P       | 0.7 |
| 4 | <input type="checkbox"/> | 2500.000  | 2715.595   | 372778.80   | 0.7137  | P       | 0.2 |
| 5 | <input type="checkbox"/> | 6250.000  | 6754.181   | 917647.44   | 1.7720  | P       | 0.8 |
| 6 | <input type="checkbox"/> | 12500.000 | 13352.657  | 1799940.08  | 3.5013  | A       | 1.8 |
| 7 | <input type="checkbox"/> | 25000.000 | 26111.545  | 3549340.91  | 6.8450  | A       | 1.1 |
| 8 | <input type="checkbox"/> | 50000.000 | 52915.608  | 7200015.32  | 13.8695 | A       | 0.6 |
| 9 | <input type="checkbox"/> | 250000.00 | 249248.33  | 36409902.20 | 65.3223 | A       | 1.0 |

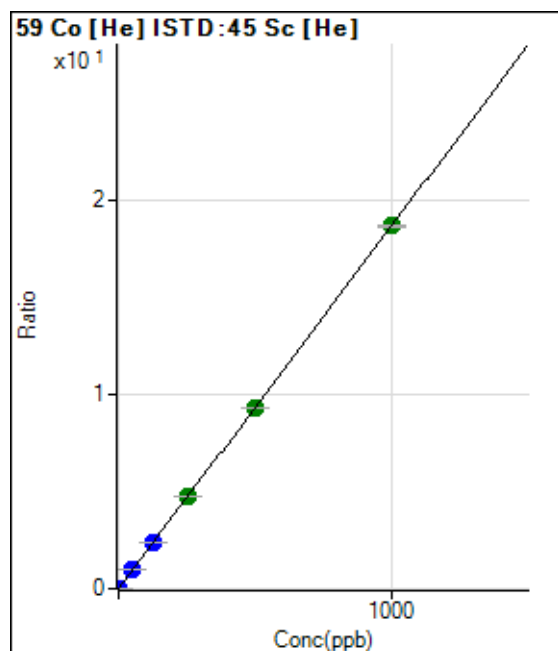
$$y = 2.6207\text{E-}004 * x + 0.0020$$

$$R = 0.9999$$

$$DL = 0.8522$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio   | De<br>t | RSD |
|---|--------------------------|----------|------------|------------|---------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 402.23     | 0.0008  | P       | 4.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.102      | 1383.41    | 0.0027  | P       | 4.6 |
| 3 | <input type="checkbox"/> | 1.000    | 1.041      | 10636.07   | 0.0202  | P       | 3.1 |
| 4 | <input type="checkbox"/> | 50.000   | 50.929     | 497890.42  | 0.9532  | P       | 0.8 |
| 5 | <input type="checkbox"/> | 125.000  | 126.156    | 1222153.84 | 2.3601  | P       | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 253.831    | 2440962.34 | 4.7478  | A       | 0.4 |
| 7 | <input type="checkbox"/> | 500.000  | 497.366    | 4823494.89 | 9.3023  | A       | 0.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.168   | 9710520.90 | 18.7055 | A       | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 18482.69   | 0.0332  | P       | 1.0 |

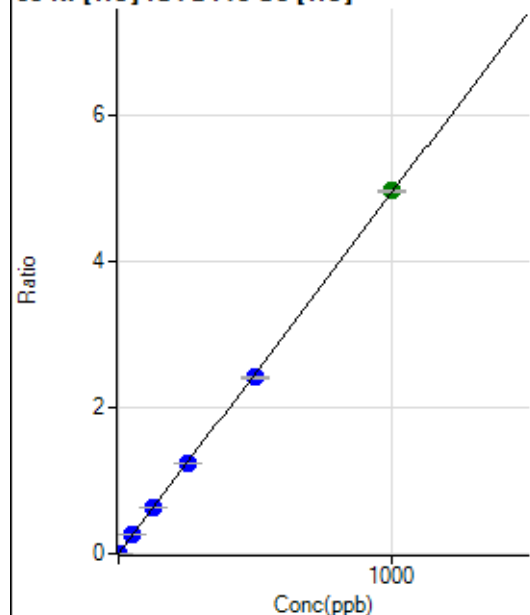
$$y = 0.0187 * x + 7.7984\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.00607$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>j</sub><br>ct                | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD |
|---|-------------------------------------|----------|------------|------------|--------|---------|-----|
| 1 | <input type="checkbox"/>            | 0.000    | 0.000      | 251.12     | 0.0005 | P       | 8.5 |
| 2 | <input checked="" type="checkbox"/> | 0.100    |            |            |        |         |     |
| 3 | <input type="checkbox"/>            | 1.000    | 1.018      | 2890.30    | 0.0055 | P       | 3.2 |
| 4 | <input type="checkbox"/>            | 50.000   | 51.321     | 132321.02  | 0.2533 | P       | 0.5 |
| 5 | <input type="checkbox"/>            | 125.000  | 126.579    | 323190.67  | 0.6241 | P       | 0.6 |
| 6 | <input type="checkbox"/>            | 250.000  | 249.359    | 631820.34  | 1.2290 | P       | 0.9 |
| 7 | <input type="checkbox"/>            | 500.000  | 488.135    | 1247227.78 | 2.4053 | P       | 0.2 |
| 8 | <input type="checkbox"/>            | 1000.000 | 1005.829   | 2572618.62 | 4.9558 | A       | 0.8 |
| 9 | <input type="checkbox"/>            |          |            | 20942.50   | 0.0376 | P       | 0.3 |

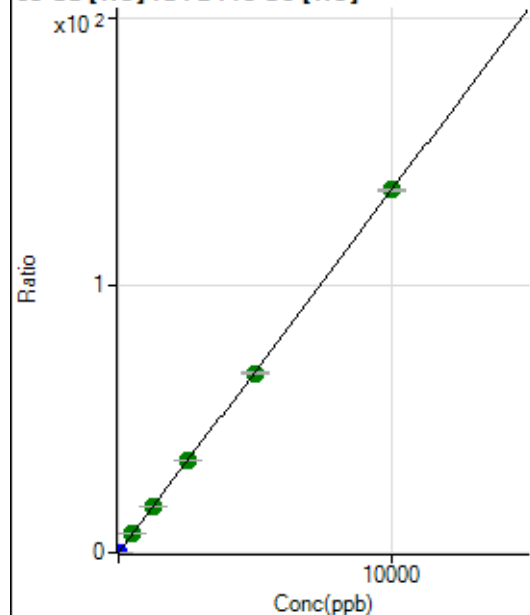
$$y = 0.0049 * x + 4.8643E-004$$

$$R = 0.9999$$

$$DL = 0.02523$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct                | Conc.     | Calc Conc. | CPS         | Ratio    | De<br>t | RSD |
|---|-------------------------------------|-----------|------------|-------------|----------|---------|-----|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 2234.63     | 0.0043   | P       | 6.6 |
| 2 | <input checked="" type="checkbox"/> | 0.200     |            |             |          |         |     |
| 3 | <input type="checkbox"/>            | 2.000     | 2.110      | 17280.05    | 0.0329   | P       | 2.0 |
| 4 | <input type="checkbox"/>            | 500.000   | 515.822    | 3650548.66  | 6.9890   | A       | 0.6 |
| 5 | <input type="checkbox"/>            | 1250.000  | 1276.071   | 8950273.06  | 17.2835  | A       | 0.3 |
| 6 | <input type="checkbox"/>            | 2500.000  | 2539.722   | 17683350.29 | 34.3944  | A       | 0.4 |
| 7 | <input type="checkbox"/>            | 5000.000  | 4953.314   | 34780974.20 | 67.0766  | A       | 0.6 |
| 8 | <input type="checkbox"/>            | 10000.000 | 10009.363  | 70362010.06 | 135.5400 | A       | 0.5 |
| 9 | <input type="checkbox"/>            |           |            | 43192.44    | 0.0775   | P       | 4.6 |

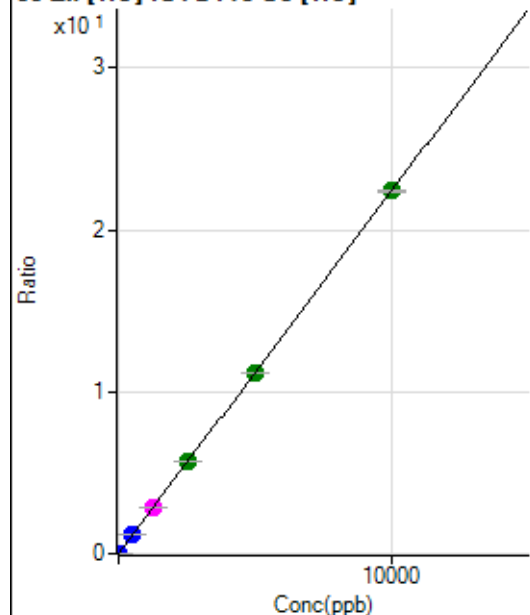
$$y = 0.0135 * x + 0.0043$$

$$R = 1.0000$$

$$DL = 0.06377$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct                | Conc.     | Calc Conc. | CPS         | Ratio   | De<br>t | RSD |
|---|-------------------------------------|-----------|------------|-------------|---------|---------|-----|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 1194.51     | 0.0023  | P       | 1.6 |
| 2 | <input checked="" type="checkbox"/> | 0.200     |            |             |         |         |     |
| 3 | <input type="checkbox"/>            | 2.000     | 1.820      | 3357.08     | 0.0064  | P       | 3.6 |
| 4 | <input type="checkbox"/>            | 500.000   | 510.890    | 598689.88   | 1.1462  | P       | 0.4 |
| 5 | <input type="checkbox"/>            | 1250.000  | 1275.802   | 1480365.92  | 2.8588  | M       | 0.9 |
| 6 | <input type="checkbox"/>            | 2500.000  | 2546.182   | 2932089.15  | 5.7031  | A       | 0.1 |
| 7 | <input type="checkbox"/>            | 5000.000  | 4966.564   | 5767153.46  | 11.1222 | A       | 0.3 |
| 8 | <input type="checkbox"/>            | 10000.000 | 10001.403  | 11625591.49 | 22.3949 | A       | 0.2 |
| 9 | <input type="checkbox"/>            |           |            | 19317.07    | 0.0347  | P       | 1.9 |

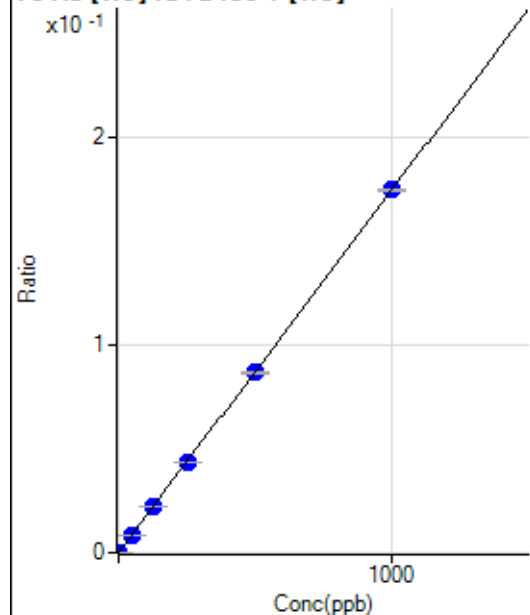
$$y = 0.0022 * x + 0.0023$$

$$R = 1.0000$$

$$DL = 0.04861$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-----------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 103.09    | 0.0000 | P       | 6.4 |
| 2 | <input type="checkbox"/> | 0.100    | 0.098      | 175.93    | 0.0000 | P       | 6.6 |
| 3 | <input type="checkbox"/> | 1.000    | 0.997      | 833.98    | 0.0002 | P       | 2.8 |
| 4 | <input type="checkbox"/> | 50.000   | 49.789     | 36623.37  | 0.0087 | P       | 0.2 |
| 5 | <input type="checkbox"/> | 125.000  | 125.663    | 91147.41  | 0.0220 | P       | 1.1 |
| 6 | <input type="checkbox"/> | 250.000  | 249.952    | 180211.92 | 0.0436 | P       | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 497.089    | 360696.27 | 0.0868 | P       | 0.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.395   | 736630.80 | 0.1748 | P       | 0.5 |
| 9 | <input type="checkbox"/> |          |            | 368.53    | 0.0001 | P       | 9.0 |

$$y = 1.7450E-004 * x + 2.4713E-005$$

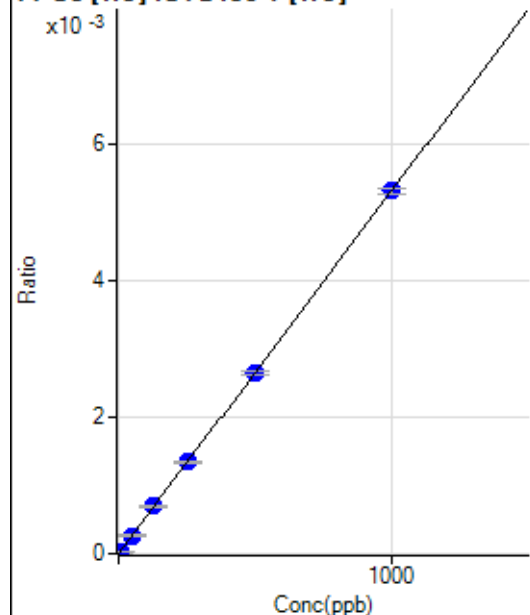
$$R = 1.0000$$

$$DL = 0.02705$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | De<br>t | RSD   |
|---|--------------------------|----------|------------|----------|--------|---------|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.11     | 0.0000 | P       | 173.2 |
| 2 | <input type="checkbox"/> | 0.500    | 0.496      | 12.22    | 0.0000 | P       | 15.3  |
| 3 | <input type="checkbox"/> | 5.000    | 4.079      | 92.22    | 0.0000 | P       | 24.5  |
| 4 | <input type="checkbox"/> | 50.000   | 48.728     | 1091.16  | 0.0003 | P       | 9.4   |
| 5 | <input type="checkbox"/> | 125.000  | 130.285    | 2881.42  | 0.0007 | P       | 1.2   |
| 6 | <input type="checkbox"/> | 250.000  | 253.030    | 5564.43  | 0.0013 | P       | 2.8   |
| 7 | <input type="checkbox"/> | 500.000  | 496.561    | 10991.94 | 0.0026 | P       | 2.0   |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.369   | 22453.79 | 0.0053 | P       | 1.4   |
| 9 | <input type="checkbox"/> |          |            | 1.11     | 0.0000 | P       | 173.2 |

$$y = 5.3244\text{E-}006 * x + 2.6433\text{E-}007$$

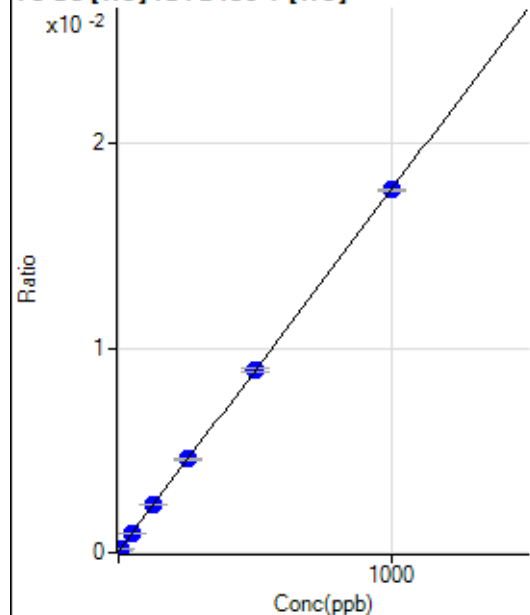
$$R = 1.0000$$

$$DL = 0.258$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|----------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 309.26   | 0.0001 | P       | 5.5 |
| 2 | <input type="checkbox"/> | 0.500    | 0.495      | 348.77   | 0.0001 | P       | 7.9 |
| 3 | <input type="checkbox"/> | 5.000    | 5.357      | 709.28   | 0.0002 | P       | 7.6 |
| 4 | <input type="checkbox"/> | 50.000   | 50.670     | 4082.06  | 0.0010 | P       | 1.4 |
| 5 | <input type="checkbox"/> | 125.000  | 128.693    | 9767.46  | 0.0024 | P       | 1.2 |
| 6 | <input type="checkbox"/> | 250.000  | 254.225    | 18891.05 | 0.0046 | P       | 1.3 |
| 7 | <input type="checkbox"/> | 500.000  | 500.400    | 37135.22 | 0.0089 | P       | 1.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 998.247    | 74805.14 | 0.0177 | P       | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 395.69   | 0.0001 | P       | 8.1 |

$$y = 1.7704\text{E-}005 * x + 7.4148\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.696$$

Weight: &lt;None&gt;

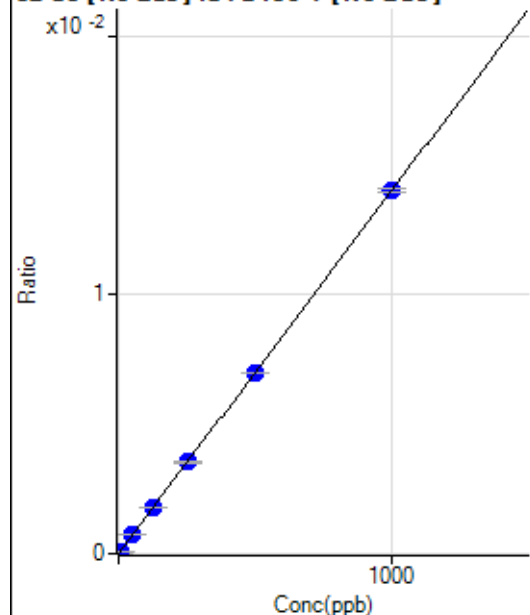
Min Conc: 0

**81 Br [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | De<br>t. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 13406.43 |       | P        | 2.4 |
| 2 | <input type="checkbox"/> |       |            | 13156.20 |       | P        | 4.4 |
| 3 | <input type="checkbox"/> |       |            | 13545.43 |       | P        | 4.7 |
| 4 | <input type="checkbox"/> |       |            | 13651.18 |       | P        | 4.6 |
| 5 | <input type="checkbox"/> |       |            | 13086.70 |       | P        | 2.1 |
| 6 | <input type="checkbox"/> |       |            | 12930.97 |       | P        | 2.5 |
| 7 | <input type="checkbox"/> |       |            | 13019.94 |       | P        | 2.7 |
| 8 | <input type="checkbox"/> |       |            | 12853.18 |       | P        | 2.4 |
| 9 | <input type="checkbox"/> |       |            | 13684.48 |       | P        | 6.0 |

**81 Br [ He ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | De<br>t. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 70.07  |       | P        | 28.6 |
| 2 | <input type="checkbox"/> |       |            | 90.09  |       | P        | 38.5 |
| 3 | <input type="checkbox"/> |       |            | 136.81 |       | P        | 15.2 |
| 4 | <input type="checkbox"/> |       |            | 76.74  |       | P        | 19.9 |
| 5 | <input type="checkbox"/> |       |            | 83.42  |       | P        | 36.7 |
| 6 | <input type="checkbox"/> |       |            | 126.79 |       | P        | 12.1 |
| 7 | <input type="checkbox"/> |       |            | 113.45 |       | P        | 27.0 |
| 8 | <input type="checkbox"/> |       |            | 140.15 |       | P        | 24.7 |
| 9 | <input type="checkbox"/> |       |            | 236.91 |       | P        | 12.9 |

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

|   | Rj<br>ct                            | Conc.    | Calc Conc. | CPS       | Ratio  | De<br>t | RSD   |
|---|-------------------------------------|----------|------------|-----------|--------|---------|-------|
| 1 | <input type="checkbox"/>            | 0.000    | 0.000      | -208.66   | 0.0000 | P       | -68.3 |
| 2 | <input checked="" type="checkbox"/> | 0.500    |            |           |        |         |       |
| 3 | <input type="checkbox"/>            | 5.000    | 4.333      | 803.95    | 0.0000 | P       | 37.4  |
| 4 | <input type="checkbox"/>            | 50.000   | 51.751     | 11959.00  | 0.0007 | P       | 3.9   |
| 5 | <input type="checkbox"/>            | 125.000  | 127.608    | 29307.88  | 0.0018 | P       | 1.6   |
| 6 | <input type="checkbox"/>            | 250.000  | 252.860    | 58765.48  | 0.0035 | P       | 2.7   |
| 7 | <input type="checkbox"/>            | 500.000  | 496.930    | 116769.61 | 0.0070 | P       | 0.5   |
| 8 | <input type="checkbox"/>            | 1000.000 | 1000.410   | 234990.12 | 0.0140 | P       | 1.2   |
| 9 | <input type="checkbox"/>            |          |            | -9.39     | 0.0000 | P       | -895. |

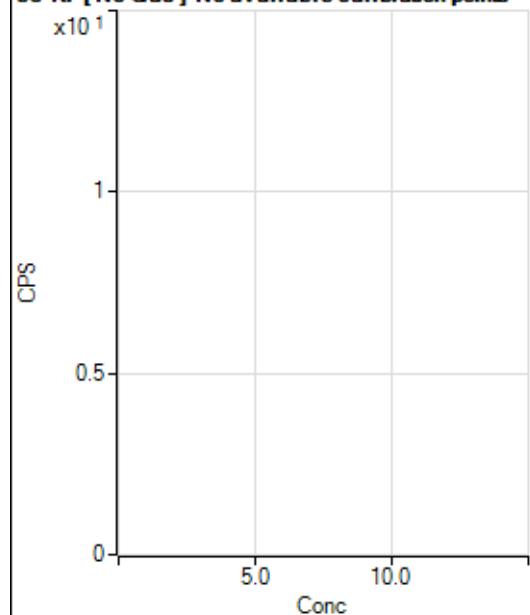
$$y = 1.4028E-005 * x - 1.2629E-005$$

$$R = 1.0000$$

$$DL = 1.846$$

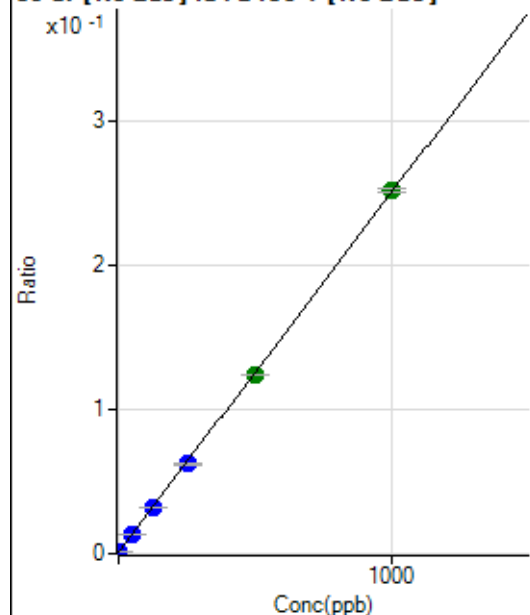
Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|----------|-------|---------|-----|
| 1 | <input type="checkbox"/> |       |            | 11896.00 |       | P       | 1.3 |
| 2 | <input type="checkbox"/> |       |            | 11590.19 |       | P       | 1.9 |
| 3 | <input type="checkbox"/> |       |            | 11998.31 |       | P       | 2.1 |
| 4 | <input type="checkbox"/> |       |            | 11833.73 |       | P       | 1.1 |
| 5 | <input type="checkbox"/> |       |            | 11497.90 |       | P       | 2.3 |
| 6 | <input type="checkbox"/> |       |            | 11514.60 |       | P       | 3.3 |
| 7 | <input type="checkbox"/> |       |            | 11749.20 |       | P       | 1.8 |
| 8 | <input type="checkbox"/> |       |            | 11224.34 |       | P       | 1.3 |
| 9 | <input type="checkbox"/> |       |            | 11491.22 |       | P       | 1.1 |

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 18615.04   | 0.0011 | P       | 1.3 |
| 2 | <input type="checkbox"/> | 0.100    | 0.097      | 19026.55   | 0.0011 | P       | 1.9 |
| 3 | <input type="checkbox"/> | 1.000    | 0.828      | 22117.07   | 0.0013 | P       | 1.9 |
| 4 | <input type="checkbox"/> | 50.000   | 49.102     | 223782.44  | 0.0133 | P       | 2.1 |
| 5 | <input type="checkbox"/> | 125.000  | 123.547    | 525790.65  | 0.0319 | P       | 0.8 |
| 6 | <input type="checkbox"/> | 250.000  | 245.030    | 1033280.57 | 0.0621 | P       | 1.9 |
| 7 | <input type="checkbox"/> | 500.000  | 493.256    | 2080093.25 | 0.1240 | A       | 0.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.841   | 4212630.82 | 0.2513 | A       | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 46866.92   | 0.0029 | P       | 1.5 |

$$y = 2.4902E-004 * x + 0.0011$$

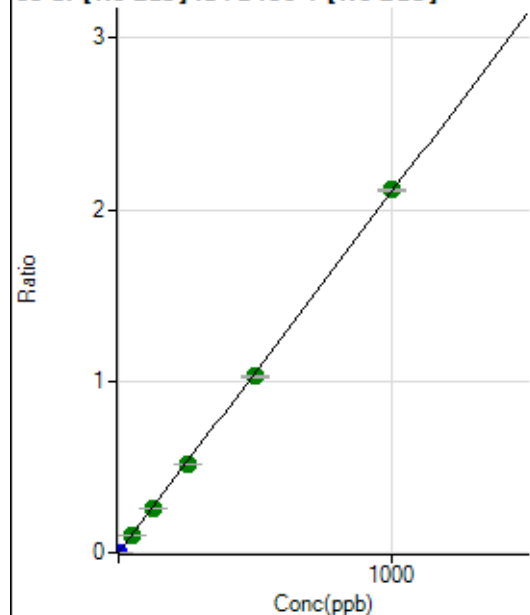
$$R = 1.0000$$

$$DL = 0.1744$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1125.07     | 0.0001 | P       | 7.0 |
| 2 | <input type="checkbox"/> | 0.100    | 0.104      | 4759.23     | 0.0003 | P       | 3.4 |
| 3 | <input type="checkbox"/> | 1.000    | 0.976      | 35290.23    | 0.0021 | P       | 1.1 |
| 4 | <input type="checkbox"/> | 50.000   | 49.419     | 1741057.38  | 0.1038 | A       | 1.5 |
| 5 | <input type="checkbox"/> | 125.000  | 122.487    | 4242572.10  | 0.2573 | A       | 0.2 |
| 6 | <input type="checkbox"/> | 250.000  | 245.035    | 8558182.92  | 0.5146 | A       | 1.5 |
| 7 | <input type="checkbox"/> | 500.000  | 489.637    | 17255300.73 | 1.0283 | A       | 1.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 1006.766   | 35434654.96 | 2.1142 | A       | 0.9 |
| 9 | <input type="checkbox"/> |          |            | 244279.93   | 0.0150 | P       | 0.9 |

$$y = 0.0021 * x + 6.7681E-005$$

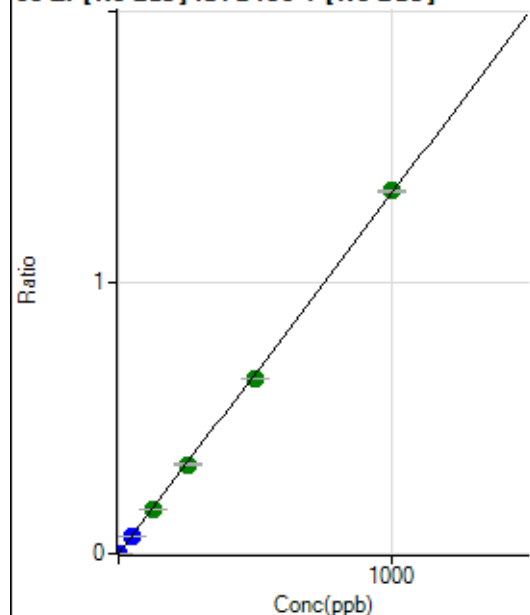
$$R = 0.9999$$

$$DL = 0.006771$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1044.51     | 0.0001 | P       | 7.6 |
| 2 | <input type="checkbox"/> | 0.100    | 0.096      | 3158.77     | 0.0002 | P       | 2.6 |
| 3 | <input type="checkbox"/> | 1.000    | 0.976      | 22673.59    | 0.0014 | P       | 1.2 |
| 4 | <input type="checkbox"/> | 50.000   | 49.141     | 1095305.68  | 0.0653 | P       | 1.1 |
| 5 | <input type="checkbox"/> | 125.000  | 122.351    | 2680455.72  | 0.1626 | A       | 0.9 |
| 6 | <input type="checkbox"/> | 250.000  | 246.095    | 5435617.31  | 0.3269 | A       | 2.3 |
| 7 | <input type="checkbox"/> | 500.000  | 487.353    | 10862772.12 | 0.6473 | A       | 0.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 1007.674   | 22431867.69 | 1.3383 | A       | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 11996.85    | 0.0007 | P       | 0.8 |

$$y = 0.0013 * x + 6.2844E-005$$

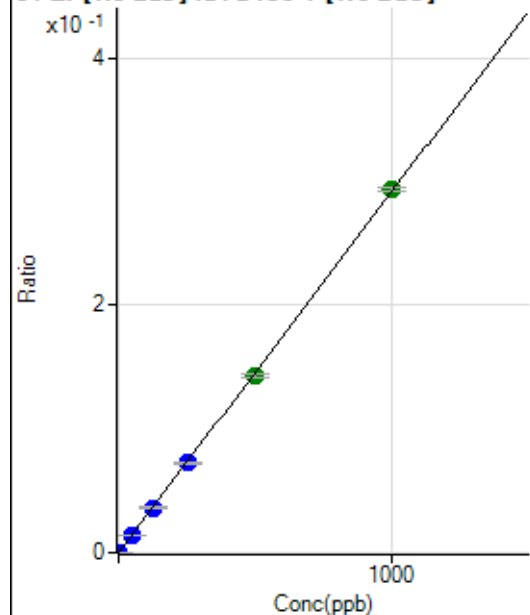
$$R = 0.9999$$

$$DL = 0.01075$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 233.34     | 0.0000 | P       | 1.2 |
| 2 | <input type="checkbox"/> | 0.100    | 0.100      | 716.71     | 0.0000 | P       | 4.3 |
| 3 | <input type="checkbox"/> | 1.000    | 0.930      | 4753.67    | 0.0003 | P       | 0.3 |
| 4 | <input type="checkbox"/> | 50.000   | 49.626     | 242742.00  | 0.0145 | P       | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 124.590    | 598977.59  | 0.0363 | P       | 1.1 |
| 6 | <input type="checkbox"/> | 250.000  | 248.472    | 1204394.50 | 0.0724 | P       | 2.0 |
| 7 | <input type="checkbox"/> | 500.000  | 489.408    | 2393740.61 | 0.1426 | A       | 2.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.748   | 4913220.16 | 0.2931 | A       | 1.1 |
| 9 | <input type="checkbox"/> |          |            | 2675.32    | 0.0002 | P       | 3.1 |

$$y = 2.9144E-004 * x + 1.4046E-005$$

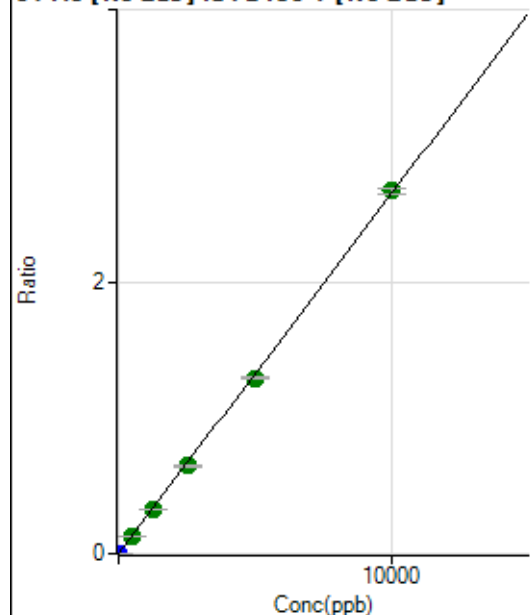
$$R = 0.9999$$

$$DL = 0.001788$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|-----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 497.25      | 0.0000 | P       | 3.1 |
| 2 | <input type="checkbox"/> | 0.500     | 0.545      | 2897.58     | 0.0002 | P       | 4.1 |
| 3 | <input type="checkbox"/> | 5.000     | 5.806      | 26126.64    | 0.0016 | P       | 1.4 |
| 4 | <input type="checkbox"/> | 500.000   | 490.977    | 2179599.50  | 0.1300 | A       | 1.0 |
| 5 | <input type="checkbox"/> | 1250.000  | 1237.298   | 5401331.42  | 0.3276 | A       | 0.6 |
| 6 | <input type="checkbox"/> | 2500.000  | 2439.379   | 10738833.05 | 0.6458 | A       | 2.1 |
| 7 | <input type="checkbox"/> | 5000.000  | 4882.334   | 21688479.65 | 1.2924 | A       | 1.0 |
| 8 | <input type="checkbox"/> | 10000.000 | 10076.027  | 44704441.62 | 2.6673 | A       | 1.5 |
| 9 | <input type="checkbox"/> |           |            | 16223.29    | 0.0010 | P       | 3.6 |

$$y = 2.6471\text{E-}004 * x + 2.9928\text{E-}005$$

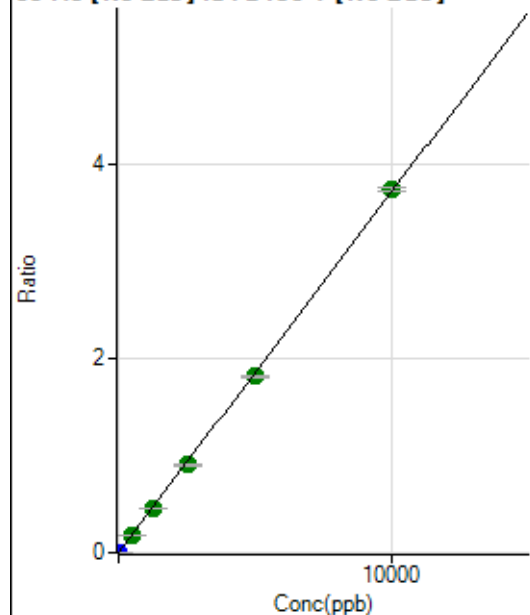
$$R = 0.9999$$

$$DL = 0.01044$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|-----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 319.46      | 0.0000 | P       | 8.0 |
| 2 | <input type="checkbox"/> | 0.500     | 0.506      | 3436.61     | 0.0002 | P       | 2.3 |
| 3 | <input type="checkbox"/> | 5.000     | 5.038      | 31481.92    | 0.0019 | P       | 3.5 |
| 4 | <input type="checkbox"/> | 500.000   | 494.749    | 3076946.12  | 0.1835 | A       | 0.9 |
| 5 | <input type="checkbox"/> | 1250.000  | 1240.703   | 7588245.92  | 0.4602 | A       | 0.8 |
| 6 | <input type="checkbox"/> | 2500.000  | 2450.143   | 15111919.96 | 0.9088 | A       | 1.9 |
| 7 | <input type="checkbox"/> | 5000.000  | 4894.972   | 30465707.28 | 1.8155 | A       | 1.4 |
| 8 | <input type="checkbox"/> | 10000.000 | 10066.403  | 62575965.29 | 3.7335 | A       | 1.2 |
| 9 | <input type="checkbox"/> |           |            | 20984.96    | 0.0013 | P       | 4.6 |

$$y = 3.7089\text{E-}004 * x + 1.9217\text{E-}005$$

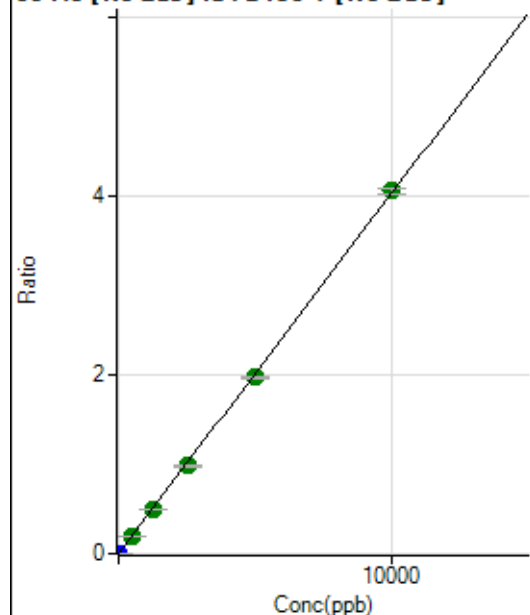
$$R = 0.9999$$

$$DL = 0.01251$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|-----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1155.64     | 0.0001 | P       | 3.3 |
| 2 | <input type="checkbox"/> | 0.500     | 0.493      | 4453.58     | 0.0003 | P       | 7.0 |
| 3 | <input type="checkbox"/> | 5.000     | 5.140      | 35644.01    | 0.0021 | P       | 0.5 |
| 4 | <input type="checkbox"/> | 500.000   | 490.672    | 3310654.80  | 0.1975 | A       | 1.4 |
| 5 | <input type="checkbox"/> | 1250.000  | 1228.750   | 8152553.83  | 0.4944 | A       | 0.3 |
| 6 | <input type="checkbox"/> | 2500.000  | 2442.696   | 16340877.27 | 0.9827 | A       | 2.6 |
| 7 | <input type="checkbox"/> | 5000.000  | 4897.348   | 33062287.89 | 1.9702 | A       | 1.1 |
| 8 | <input type="checkbox"/> | 10000.000 | 10068.774  | 67886923.74 | 4.0506 | A       | 1.4 |
| 9 | <input type="checkbox"/> |           |            | 29502.59    | 0.0018 | P       | 2.8 |

$$y = 4.0229\text{E-}004 * x + 6.9541\text{E-}005$$

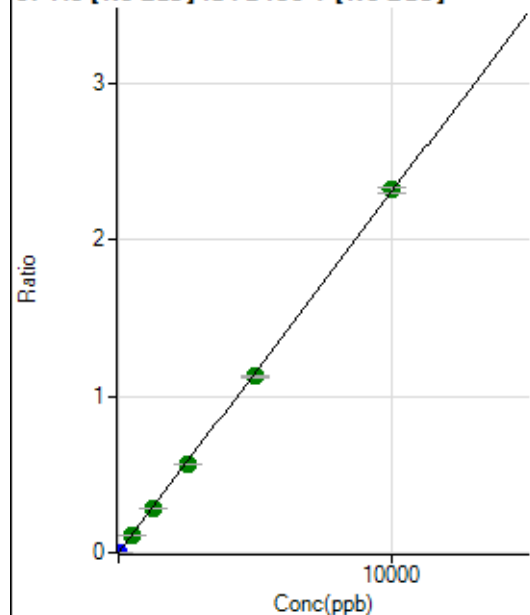
$$R = 0.9999$$

$$DL = 0.01686$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 241.67      | 0.0000 | P       | 4.5  |
| 2 | <input type="checkbox"/> | 0.500     | 0.496      | 2144.65     | 0.0001 | P       | 10.0 |
| 3 | <input type="checkbox"/> | 5.000     | 5.024      | 19566.36    | 0.0012 | P       | 2.2  |
| 4 | <input type="checkbox"/> | 500.000   | 494.411    | 1912141.88  | 0.1141 | A       | 2.6  |
| 5 | <input type="checkbox"/> | 1250.000  | 1233.464   | 4691817.03  | 0.2845 | A       | 1.5  |
| 6 | <input type="checkbox"/> | 2500.000  | 2451.189   | 9403110.97  | 0.5654 | A       | 1.5  |
| 7 | <input type="checkbox"/> | 5000.000  | 4896.383   | 18952785.67 | 1.1294 | A       | 1.0  |
| 8 | <input type="checkbox"/> | 10000.000 | 10066.358  | 38913656.77 | 2.3219 | A       | 1.7  |
| 9 | <input type="checkbox"/> |           |            | 12369.52    | 0.0008 | P       | 4.7  |

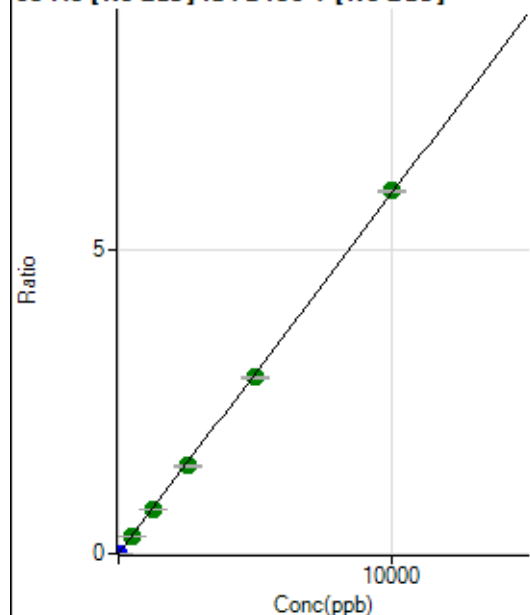
$$y = 2.3066\text{E-}004 * x + 1.4551\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.008448$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS          | Ratio  | De<br>t | RSD  |
|---|--------------------------|-----------|------------|--------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 775.04       | 0.0000 | P       | 13.4 |
| 2 | <input type="checkbox"/> | 0.500     | 0.490      | 5615.11      | 0.0003 | P       | 1.7  |
| 3 | <input type="checkbox"/> | 5.000     | 5.084      | 51121.00     | 0.0031 | P       | 1.6  |
| 4 | <input type="checkbox"/> | 500.000   | 486.259    | 4841904.75   | 0.2888 | A       | 0.9  |
| 5 | <input type="checkbox"/> | 1250.000  | 1224.288   | 11987657.82  | 0.7270 | A       | 1.4  |
| 6 | <input type="checkbox"/> | 2500.000  | 2431.004   | 24003882.31  | 1.4435 | A       | 2.2  |
| 7 | <input type="checkbox"/> | 5000.000  | 4897.192   | 48797646.58  | 2.9079 | A       | 1.2  |
| 8 | <input type="checkbox"/> | 10000.000 | 10072.554  | 100246799.46 | 5.9810 | A       | 0.7  |
| 9 | <input type="checkbox"/> |           |            | 32536.94     | 0.0020 | P       | 3.7  |

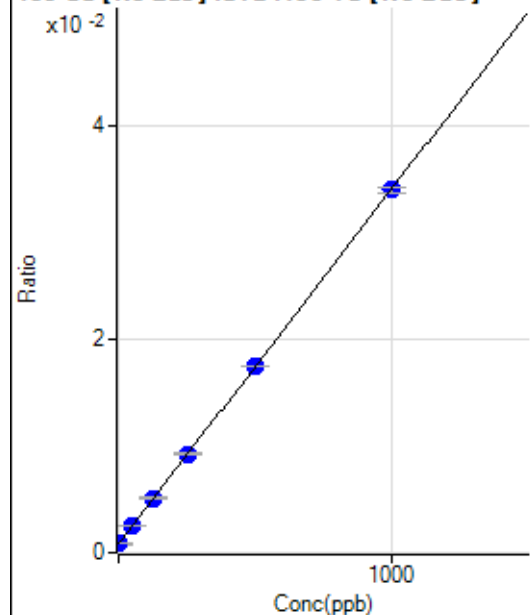
$$y = 5.9379\text{E-}004 * x + 4.6699\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.03159$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-----------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8394.32   | 0.0008 | P       | 1.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.620      | 8530.50   | 0.0008 | P       | 2.8 |
| 3 | <input type="checkbox"/> | 1.000    | 3.814      | 9709.07   | 0.0009 | P       | 3.7 |
| 4 | <input type="checkbox"/> | 50.000   | 51.748     | 26569.43  | 0.0025 | P       | 1.9 |
| 5 | <input type="checkbox"/> | 125.000  | 128.742    | 52504.12  | 0.0051 | P       | 2.1 |
| 6 | <input type="checkbox"/> | 250.000  | 253.848    | 96707.75  | 0.0092 | P       | 2.7 |
| 7 | <input type="checkbox"/> | 500.000  | 500.663    | 185666.23 | 0.0174 | P       | 0.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 998.149    | 361072.03 | 0.0339 | P       | 1.4 |
| 9 | <input type="checkbox"/> |          |            | 8152.56   | 0.0008 | P       | 2.9 |

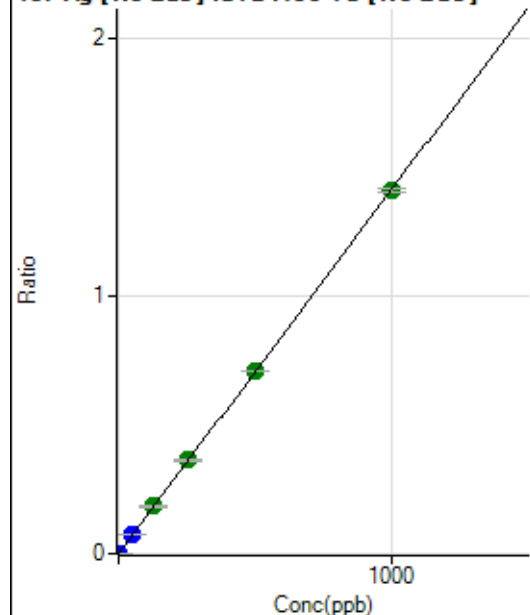
$$y = 3.3185\text{E-}005 * x + 8.1012\text{E-}004$$

$$R = 1.0000$$

$$DL = 1.42$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 141.67      | 0.0000 | P       | 1.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.098      | 1558.46     | 0.0002 | P       | 5.0 |
| 3 | <input type="checkbox"/> | 1.000    | 1.022      | 15138.84    | 0.0015 | P       | 0.3 |
| 4 | <input type="checkbox"/> | 50.000   | 52.144     | 775932.38   | 0.0738 | P       | 1.3 |
| 5 | <input type="checkbox"/> | 125.000  | 129.717    | 1896406.66  | 0.1836 | A       | 0.6 |
| 6 | <input type="checkbox"/> | 250.000  | 256.405    | 3800354.56  | 0.3629 | A       | 1.3 |
| 7 | <input type="checkbox"/> | 500.000  | 501.971    | 7569740.19  | 0.7104 | A       | 0.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 996.717    | 15010427.24 | 1.4106 | A       | 0.9 |
| 9 | <input type="checkbox"/> |          |            | 5173.26     | 0.0005 | P       | 5.0 |

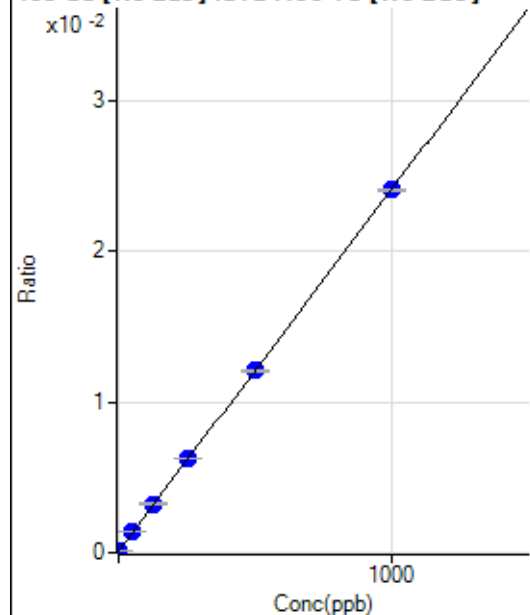
$$y = 0.0014 * x + 1.3676E-005$$

$$R = 1.0000$$

$$DL = 0.0004298$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-----------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1006.99   | 0.0001 | P       | 1.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.716      | 1175.06   | 0.0001 | P       | 5.8 |
| 3 | <input type="checkbox"/> | 1.000    | 2.524      | 1636.22   | 0.0002 | P       | 2.0 |
| 4 | <input type="checkbox"/> | 50.000   | 52.904     | 14389.21  | 0.0014 | P       | 1.8 |
| 5 | <input type="checkbox"/> | 125.000  | 130.125    | 33306.45  | 0.0032 | P       | 2.2 |
| 6 | <input type="checkbox"/> | 250.000  | 255.307    | 65287.98  | 0.0062 | P       | 0.2 |
| 7 | <input type="checkbox"/> | 500.000  | 498.316    | 128651.67 | 0.0121 | P       | 1.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 998.728    | 256476.39 | 0.0241 | P       | 0.2 |
| 9 | <input type="checkbox"/> |          |            | 655.58    | 0.0001 | P       | 3.5 |

$$y = 2.4035E-005 * x + 9.7182E-005$$

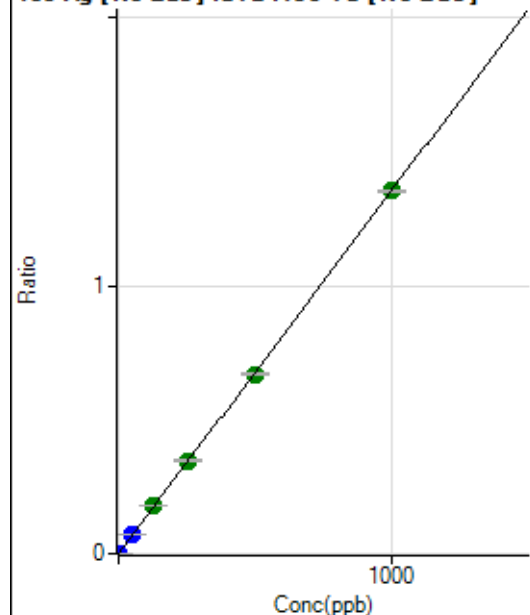
$$R = 1.0000$$

$$DL = 0.1877$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 86.11       | 0.0000 | P       | 32.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.097      | 1430.67     | 0.0001 | P       | 13.2 |
| 3 | <input type="checkbox"/> | 1.000    | 1.024      | 14471.42    | 0.0014 | P       | 3.5  |
| 4 | <input type="checkbox"/> | 50.000   | 51.987     | 740677.60   | 0.0705 | P       | 1.6  |
| 5 | <input type="checkbox"/> | 125.000  | 131.381    | 1838980.75  | 0.1780 | A       | 1.7  |
| 6 | <input type="checkbox"/> | 250.000  | 256.955    | 3646812.93  | 0.3482 | A       | 1.4  |
| 7 | <input type="checkbox"/> | 500.000  | 495.350    | 7152321.17  | 0.6713 | A       | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.689    | 14415559.18 | 1.3547 | A       | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 4642.54     | 0.0005 | P       | 2.9  |

$$y = 0.0014 * x + 8.2860E-006$$

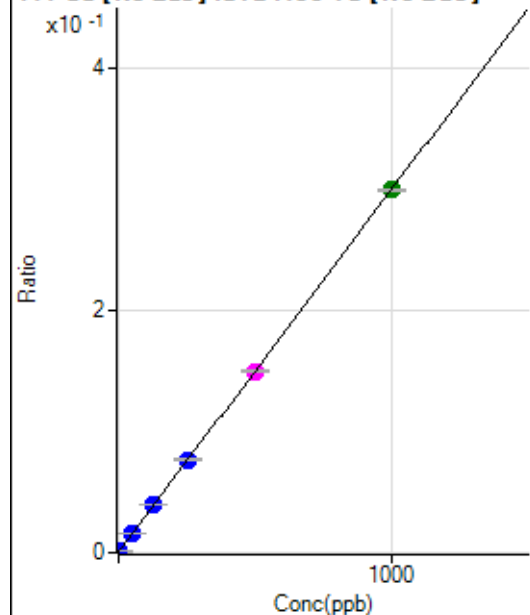
$$R = 0.9999$$

$$DL = 0.005967$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5544.75    | 0.0005 | P       | 1.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.104      | 5815.49    | 0.0006 | P       | 3.8 |
| 3 | <input type="checkbox"/> | 1.000    | 1.196      | 9254.26    | 0.0009 | P       | 3.9 |
| 4 | <input type="checkbox"/> | 50.000   | 51.072     | 166091.14  | 0.0158 | P       | 1.7 |
| 5 | <input type="checkbox"/> | 125.000  | 129.718    | 405975.74  | 0.0393 | P       | 1.2 |
| 6 | <input type="checkbox"/> | 250.000  | 254.860    | 803332.49  | 0.0767 | P       | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 497.925    | 1591325.46 | 0.1494 | M       | 0.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 999.179    | 3183369.01 | 0.2992 | A       | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 6268.77    | 0.0006 | P       | 2.3 |

$$y = 2.9887E-004 * x + 5.3514E-004$$

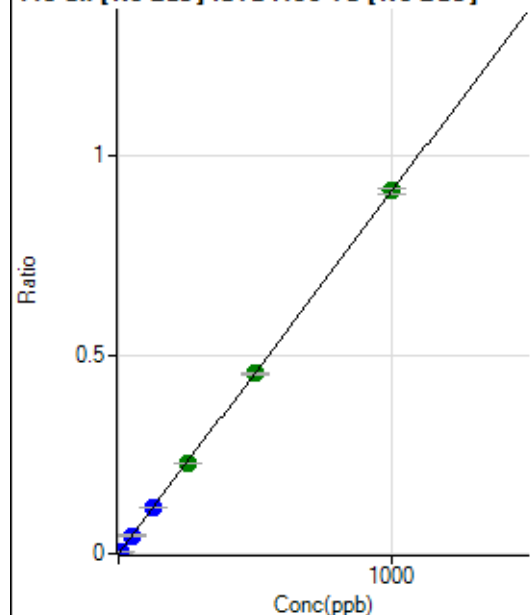
$$R = 1.0000$$

$$DL = 0.1019$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3245.00    | 0.0003 | P       | 10.5 |
| 2 | <input type="checkbox"/> | 0.500    | 0.542      | 8280.80    | 0.0008 | P       | 5.7  |
| 3 | <input type="checkbox"/> | 5.000    | 5.037      | 50830.05   | 0.0049 | P       | 0.8  |
| 4 | <input type="checkbox"/> | 50.000   | 50.028     | 482670.81  | 0.0459 | P       | 1.8  |
| 5 | <input type="checkbox"/> | 125.000  | 126.426    | 1193487.91 | 0.1155 | P       | 1.7  |
| 6 | <input type="checkbox"/> | 250.000  | 248.526    | 2375748.25 | 0.2268 | A       | 1.5  |
| 7 | <input type="checkbox"/> | 500.000  | 496.679    | 4827110.35 | 0.4530 | A       | 1.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.849   | 9720129.73 | 0.9135 | A       | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 7946.83    | 0.0008 | P       | 1.8  |

$$y = 9.1149\text{E-}004 * x + 3.1292\text{E-}004$$

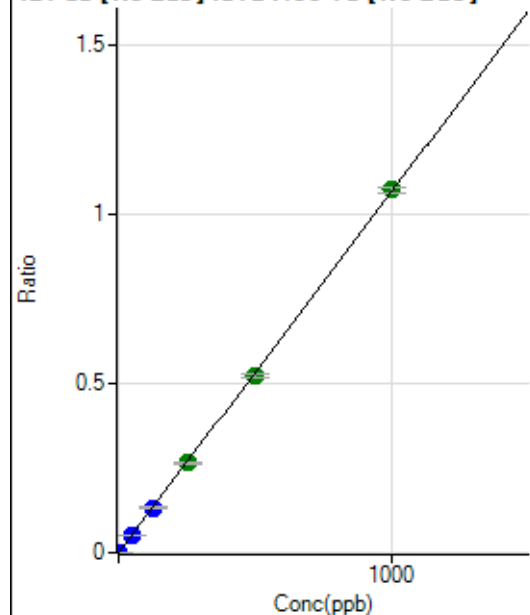
$$R = 1.0000$$

$$DL = 0.1085$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 669.48      | 0.0001 | P       | 11.0 |
| 2 | <input type="checkbox"/> | 0.200    | 0.191      | 2753.12     | 0.0003 | P       | 5.1  |
| 3 | <input type="checkbox"/> | 2.000    | 1.926      | 21956.15    | 0.0021 | P       | 1.7  |
| 4 | <input type="checkbox"/> | 50.000   | 49.283     | 553076.76   | 0.0526 | P       | 1.2  |
| 5 | <input type="checkbox"/> | 125.000  | 124.845    | 1375504.86  | 0.1332 | P       | 2.3  |
| 6 | <input type="checkbox"/> | 250.000  | 247.973    | 2769714.80  | 0.2645 | A       | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 490.875    | 5576983.98  | 0.5234 | A       | 2.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.125   | 11403656.94 | 1.0717 | A       | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 9333.80     | 0.0009 | P       | 1.5  |

$$y = 0.0011 * x + 6.4579\text{E-}005$$

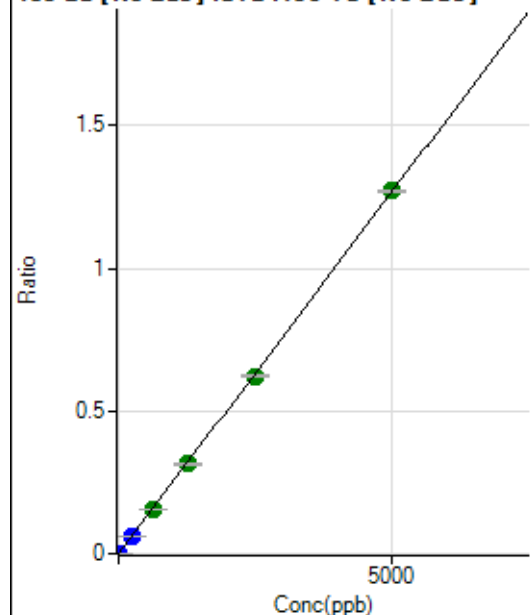
$$R = 0.9999$$

$$DL = 0.02005$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 100.00      | 0.0000 | P       | 55.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.988      | 2666.99     | 0.0003 | P       | 2.1  |
| 3 | <input type="checkbox"/> | 10.000   | 9.626      | 25342.62    | 0.0024 | P       | 2.1  |
| 4 | <input type="checkbox"/> | 250.000  | 244.745    | 651052.27   | 0.0619 | P       | 1.2  |
| 5 | <input type="checkbox"/> | 625.000  | 617.679    | 1614164.49  | 0.1563 | A       | 2.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1243.873   | 3295960.86  | 0.3147 | A       | 1.7  |
| 7 | <input type="checkbox"/> | 2500.000 | 2458.179   | 6626471.42  | 0.6219 | A       | 1.0  |
| 8 | <input type="checkbox"/> | 5000.000 | 5023.621   | 13524289.36 | 1.2710 | A       | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 5656.80     | 0.0006 | P       | 1.9  |

$$y = 2.5300\text{E-}004 * x + 9.6510\text{E-}006$$

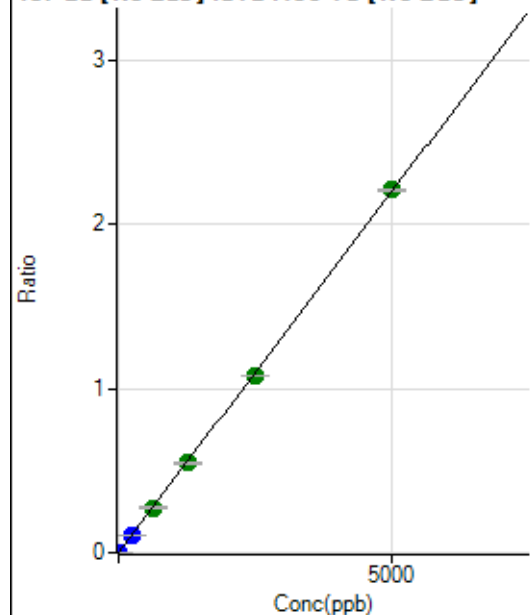
$$R = 1.0000$$

$$DL = 0.06296$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 236.12      | 0.0000 | P       | 22.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.936      | 4464.70     | 0.0004 | P       | 1.5  |
| 3 | <input type="checkbox"/> | 10.000   | 9.644      | 44230.92    | 0.0043 | P       | 0.8  |
| 4 | <input type="checkbox"/> | 250.000  | 246.578    | 1141178.18  | 0.1086 | P       | 0.9  |
| 5 | <input type="checkbox"/> | 625.000  | 624.408    | 2838970.16  | 0.2748 | A       | 1.4  |
| 6 | <input type="checkbox"/> | 1250.000 | 1243.410   | 5731821.31  | 0.5473 | A       | 1.0  |
| 7 | <input type="checkbox"/> | 2500.000 | 2448.841   | 11484752.25 | 1.0778 | A       | 0.4  |
| 8 | <input type="checkbox"/> | 5000.000 | 5027.473   | 23546251.57 | 2.2128 | A       | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 9975.96     | 0.0010 | P       | 2.5  |

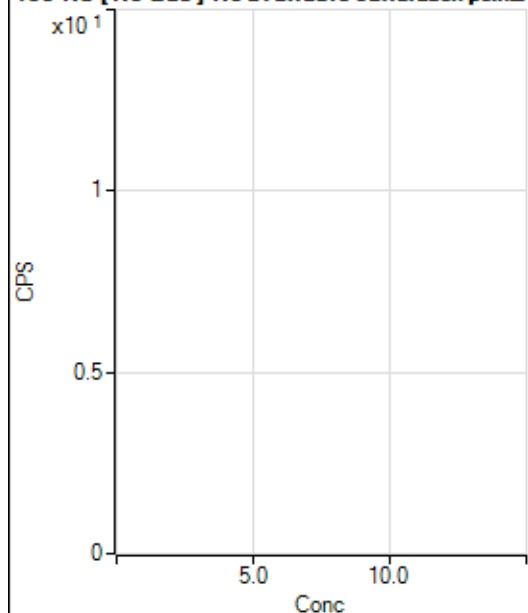
$$y = 4.4014\text{E-}004 * x + 2.2762\text{E-}005$$

$$R = 0.9999$$

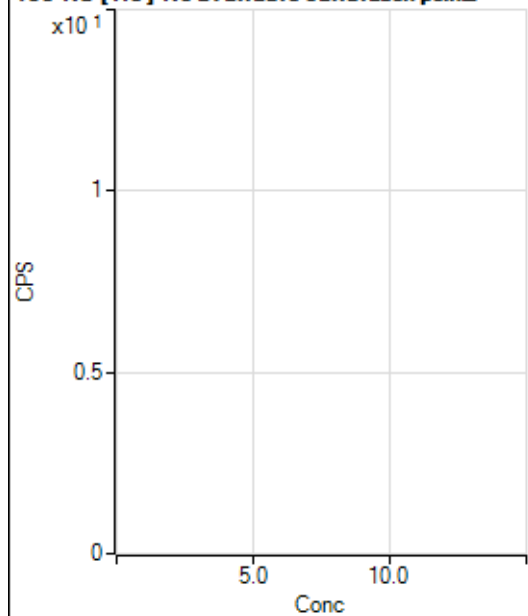
$$DL = 0.03512$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | De<br>t | RSD   |
|---|--------------------------|-------|------------|--------|-------|---------|-------|
| 1 | <input type="checkbox"/> |       |            | 4.44   |       | P       | 173.2 |
| 2 | <input type="checkbox"/> |       |            | 6.67   |       | P       | 100.0 |
| 3 | <input type="checkbox"/> |       |            | 8.89   |       | P       | 114.5 |
| 4 | <input type="checkbox"/> |       |            | 51.11  |       | P       | 60.3  |
| 5 | <input type="checkbox"/> |       |            | 104.45 |       | P       | 25.8  |
| 6 | <input type="checkbox"/> |       |            | 228.90 |       | P       | 26.9  |
| 7 | <input type="checkbox"/> |       |            | 495.57 |       | P       | 7.9   |
| 8 | <input type="checkbox"/> |       |            | 755.59 |       | P       | 6.5   |
| 9 | <input type="checkbox"/> |       |            | 113.34 |       | P       | 21.2  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | De<br>t | RSD   |
|---|--------------------------|-------|------------|--------|-------|---------|-------|
| 1 | <input type="checkbox"/> |       |            | 3.33   |       | P       | 100.1 |
| 2 | <input type="checkbox"/> |       |            | 0.00   |       | P       |       |
| 3 | <input type="checkbox"/> |       |            | 1.11   |       | P       | 173.2 |
| 4 | <input type="checkbox"/> |       |            | 20.00  |       | P       | 16.7  |
| 5 | <input type="checkbox"/> |       |            | 24.44  |       | P       | 41.7  |
| 6 | <input type="checkbox"/> |       |            | 36.67  |       | P       | 31.5  |
| 7 | <input type="checkbox"/> |       |            | 91.11  |       | P       | 2.1   |
| 8 | <input type="checkbox"/> |       |            | 150.00 |       | P       | 2.2   |
| 9 | <input type="checkbox"/> |       |            | 70.00  |       | P       | 12.6  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | De<br>t | RSD   |
|---|--------------------------|-------|------------|---------|-------|---------|-------|
| 1 | <input type="checkbox"/> |       |            | 22.22   |       | P       | 21.6  |
| 2 | <input type="checkbox"/> |       |            | 16.67   |       | P       | 100.0 |
| 3 | <input type="checkbox"/> |       |            | 13.89   |       | P       | 34.7  |
| 4 | <input type="checkbox"/> |       |            | 44.45   |       | P       | 47.2  |
| 5 | <input type="checkbox"/> |       |            | 77.78   |       | P       | 32.7  |
| 6 | <input type="checkbox"/> |       |            | 200.01  |       | P       | 33.3  |
| 7 | <input type="checkbox"/> |       |            | 308.35  |       | P       | 2.7   |
| 8 | <input type="checkbox"/> |       |            | 738.93  |       | P       | 11.7  |
| 9 | <input type="checkbox"/> |       |            | 2183.56 |       | P       | 4.8   |

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

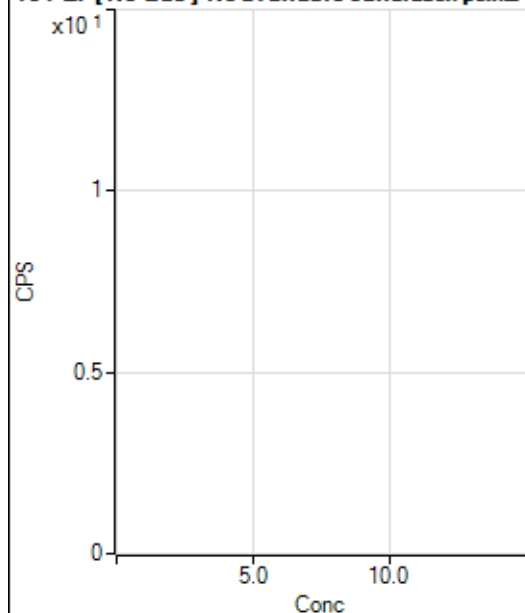
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | De<br>t | RSD  |
|---|--------------------------|-------|------------|---------|-------|---------|------|
| 1 | <input type="checkbox"/> |       |            | 14.45   |       | P       | 26.7 |
| 2 | <input type="checkbox"/> |       |            | 14.44   |       | P       | 58.1 |
| 3 | <input type="checkbox"/> |       |            | 20.00   |       | P       | 72.7 |
| 4 | <input type="checkbox"/> |       |            | 44.44   |       | P       | 26.3 |
| 5 | <input type="checkbox"/> |       |            | 93.34   |       | P       | 16.4 |
| 6 | <input type="checkbox"/> |       |            | 198.89  |       | P       | 14.0 |
| 7 | <input type="checkbox"/> |       |            | 370.01  |       | P       | 10.9 |
| 8 | <input type="checkbox"/> |       |            | 686.69  |       | P       | 11.8 |
| 9 | <input type="checkbox"/> |       |            | 1601.22 |       | P       | 2.5  |

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

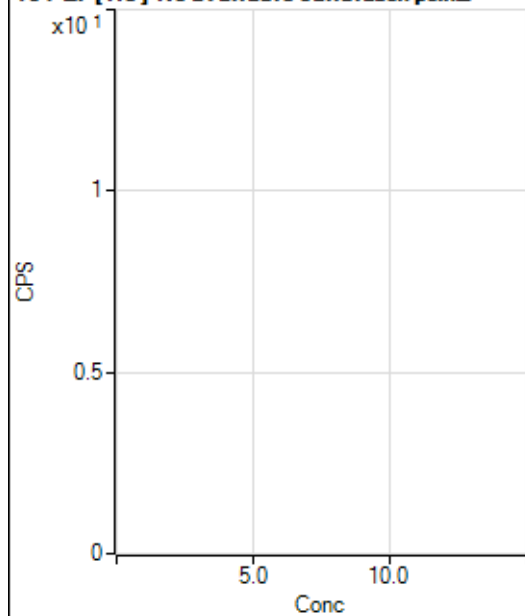
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | De<br>t | RSD  |
|---|--------------------------|-------|------------|---------|-------|---------|------|
| 1 | <input type="checkbox"/> |       |            | 119.45  |       | P       | 8.1  |
| 2 | <input type="checkbox"/> |       |            | 61.11   |       | P       | 20.8 |
| 3 | <input type="checkbox"/> |       |            | 113.89  |       | P       | 18.4 |
| 4 | <input type="checkbox"/> |       |            | 141.67  |       | P       | 10.2 |
| 5 | <input type="checkbox"/> |       |            | 155.56  |       | P       | 32.3 |
| 6 | <input type="checkbox"/> |       |            | 177.78  |       | P       | 31.9 |
| 7 | <input type="checkbox"/> |       |            | 366.68  |       | P       | 14.9 |
| 8 | <input type="checkbox"/> |       |            | 605.59  |       | P       | 4.4  |
| 9 | <input type="checkbox"/> |       |            | 2041.88 |       | P       | 6.5  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | De<br>t | RSD  |
|---|--------------------------|-------|------------|---------|-------|---------|------|
| 1 | <input type="checkbox"/> |       |            | 218.89  |       | P       | 19.4 |
| 2 | <input type="checkbox"/> |       |            | 260.00  |       | P       | 21.2 |
| 3 | <input type="checkbox"/> |       |            | 220.01  |       | P       | 12.4 |
| 4 | <input type="checkbox"/> |       |            | 277.78  |       | P       | 9.8  |
| 5 | <input type="checkbox"/> |       |            | 270.00  |       | P       | 13.9 |
| 6 | <input type="checkbox"/> |       |            | 336.67  |       | P       | 3.0  |
| 7 | <input type="checkbox"/> |       |            | 397.79  |       | P       | 2.6  |
| 8 | <input type="checkbox"/> |       |            | 587.80  |       | P       | 1.7  |
| 9 | <input type="checkbox"/> |       |            | 1693.46 |       | P       | 0.2  |

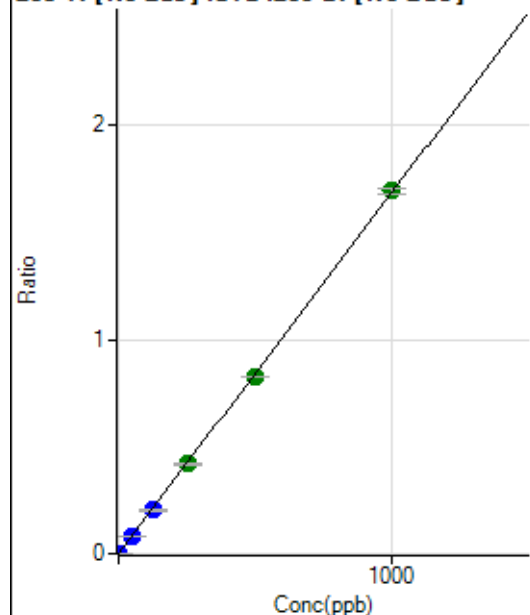
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | De<br>t. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 91.67  |       | P        | 9.1  |
| 2 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 47.9 |
| 3 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 15.7 |
| 4 | <input type="checkbox"/> |       |            | 86.11  |       | P        | 22.4 |
| 5 | <input type="checkbox"/> |       |            | 63.89  |       | P        | 19.9 |
| 6 | <input type="checkbox"/> |       |            | 97.22  |       | P        | 26.2 |
| 7 | <input type="checkbox"/> |       |            | 155.56 |       | P        | 17.2 |
| 8 | <input type="checkbox"/> |       |            | 163.90 |       | P        | 5.9  |
| 9 | <input type="checkbox"/> |       |            | 302.79 |       | P        | 12.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | De<br>t. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 25.56  |       | P        | 7.5  |
| 2 | <input type="checkbox"/> |       |            | 37.78  |       | P        | 27.0 |
| 3 | <input type="checkbox"/> |       |            | 46.67  |       | P        | 31.1 |
| 4 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 16.7 |
| 5 | <input type="checkbox"/> |       |            | 56.67  |       | P        | 10.2 |
| 6 | <input type="checkbox"/> |       |            | 71.11  |       | P        | 17.7 |
| 7 | <input type="checkbox"/> |       |            | 90.00  |       | P        | 12.8 |
| 8 | <input type="checkbox"/> |       |            | 117.78 |       | P        | 5.9  |
| 9 | <input type="checkbox"/> |       |            | 261.12 |       | P        | 20.4 |

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3664.48     | 0.0005 | P       | 4.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.070      | 4495.30     | 0.0006 | P       | 5.2 |
| 3 | <input type="checkbox"/> | 1.000    | 0.914      | 14363.50    | 0.0021 | P       | 1.5 |
| 4 | <input type="checkbox"/> | 50.000   | 47.965     | 576168.04   | 0.0811 | P       | 2.0 |
| 5 | <input type="checkbox"/> | 125.000  | 120.083    | 1431003.42  | 0.2024 | P       | 0.8 |
| 6 | <input type="checkbox"/> | 250.000  | 247.941    | 2938745.31  | 0.4173 | A       | 1.2 |
| 7 | <input type="checkbox"/> | 500.000  | 489.768    | 5844029.21  | 0.8238 | A       | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 1006.347   | 11730727.69 | 1.6921 | A       | 1.7 |
| 9 | <input type="checkbox"/> |          |            | 5376.22     | 0.0009 | P       | 6.3 |

$$y = 0.0017 * x + 5.2092E-004$$

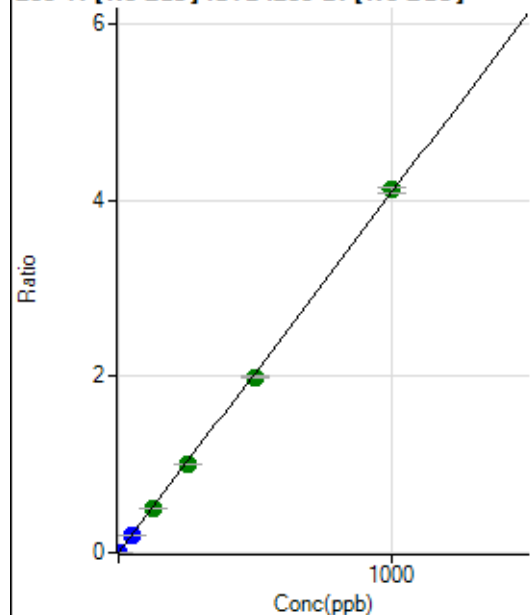
$$R = 0.9999$$

$$DL = 0.04165$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8686.39     | 0.0012 | P       | 1.7 |
| 2 | <input type="checkbox"/> | 0.100    | 0.074      | 10824.07    | 0.0015 | P       | 3.2 |
| 3 | <input type="checkbox"/> | 1.000    | 0.912      | 34650.44    | 0.0050 | P       | 3.2 |
| 4 | <input type="checkbox"/> | 50.000   | 47.568     | 1389986.50  | 0.1957 | P       | 1.0 |
| 5 | <input type="checkbox"/> | 125.000  | 120.668    | 3498200.82  | 0.4947 | A       | 0.8 |
| 6 | <input type="checkbox"/> | 250.000  | 244.987    | 7064512.22  | 1.0030 | A       | 0.5 |
| 7 | <input type="checkbox"/> | 500.000  | 487.642    | 14154951.88 | 1.9953 | A       | 0.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 1008.095   | 28587726.34 | 4.1235 | A       | 1.8 |
| 9 | <input type="checkbox"/> |          |            | 13098.32    | 0.0022 | P       | 5.5 |

$$y = 0.0041 * x + 0.0012$$

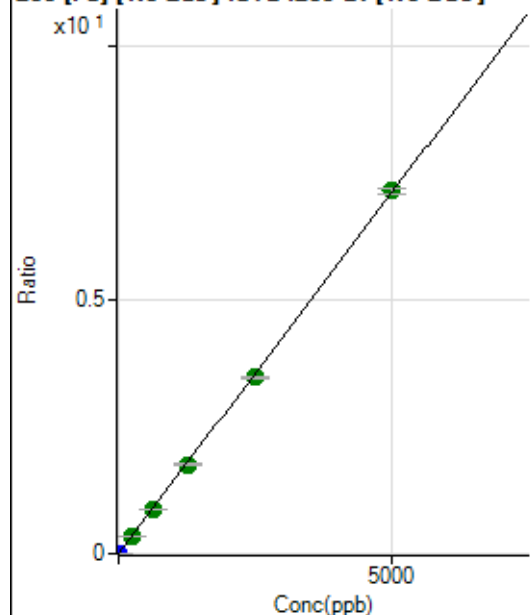
$$R = 0.9999$$

$$DL = 0.01567$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1238.97     | 0.0002 | P       | 5.7 |
| 2 | <input type="checkbox"/> | 0.100    | 0.112      | 2357.65     | 0.0003 | P       | 4.6 |
| 3 | <input type="checkbox"/> | 1.000    | 0.924      | 10381.87    | 0.0015 | P       | 1.6 |
| 4 | <input type="checkbox"/> | 250.000  | 242.443    | 2445296.64  | 0.3443 | A       | 0.5 |
| 5 | <input type="checkbox"/> | 625.000  | 606.097    | 6085823.92  | 0.8606 | A       | 0.8 |
| 6 | <input type="checkbox"/> | 1250.000 | 1238.179   | 12379117.29 | 1.7578 | A       | 1.6 |
| 7 | <input type="checkbox"/> | 2500.000 | 2447.124   | 24645377.40 | 3.4740 | A       | 1.0 |
| 8 | <input type="checkbox"/> | 5000.000 | 5032.134   | 49524992.31 | 7.1436 | A       | 1.6 |
| 9 | <input type="checkbox"/> |          |            | 24188.47    | 0.0040 | P       | 3.0 |

$$y = 0.0014 * x + 1.7610E-004$$

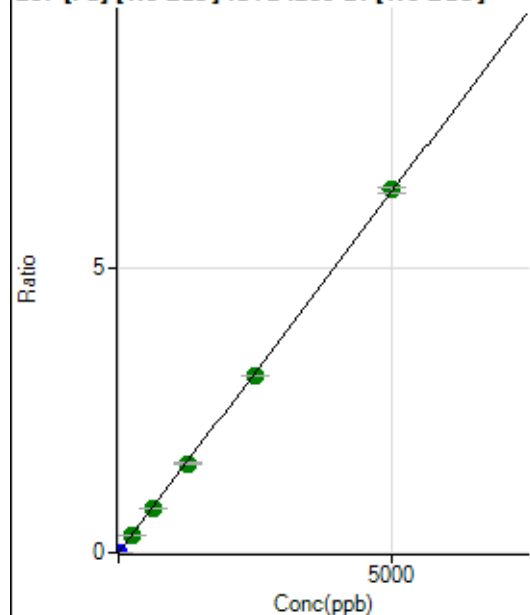
$$R = 0.9999$$

$$DL = 0.02136$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1061.17     | 0.0002 | P       | 5.8 |
| 2 | <input type="checkbox"/> | 0.100    | 0.101      | 1970.55     | 0.0003 | P       | 8.5 |
| 3 | <input type="checkbox"/> | 1.000    | 0.929      | 9301.47     | 0.0013 | P       | 2.9 |
| 4 | <input type="checkbox"/> | 250.000  | 243.703    | 2201456.46  | 0.3100 | A       | 0.2 |
| 5 | <input type="checkbox"/> | 625.000  | 610.989    | 5494750.41  | 0.7770 | A       | 1.3 |
| 6 | <input type="checkbox"/> | 1250.000 | 1235.730   | 11065891.45 | 1.5713 | A       | 1.4 |
| 7 | <input type="checkbox"/> | 2500.000 | 2452.187   | 22120214.85 | 3.1180 | A       | 0.5 |
| 8 | <input type="checkbox"/> | 5000.000 | 5029.540   | 44335596.36 | 6.3950 | A       | 1.5 |
| 9 | <input type="checkbox"/> |          |            | 21652.86    | 0.0036 | P       | 3.7 |

$$y = 0.0013 * x + 1.5080E-004$$

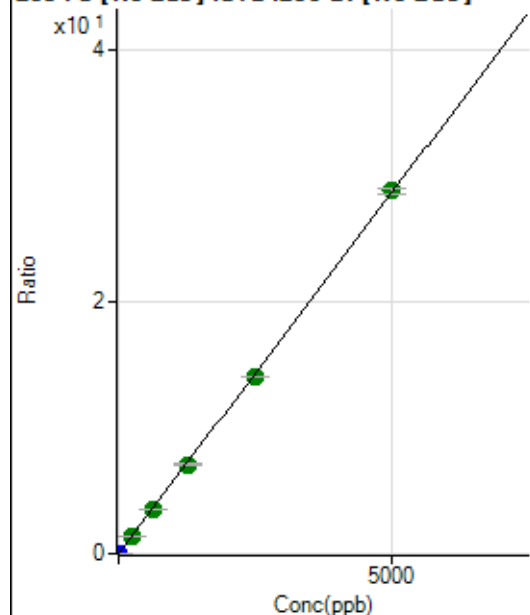
$$R = 0.9999$$

$$DL = 0.02081$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS          | Ratio   | De<br>t | RSD |
|---|--------------------------|----------|------------|--------------|---------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4954.16      | 0.0007  | P       | 4.3 |
| 2 | <input type="checkbox"/> | 0.100    | 0.102      | 9079.10      | 0.0013  | P       | 3.9 |
| 3 | <input type="checkbox"/> | 1.000    | 0.930      | 42107.67     | 0.0060  | P       | 0.7 |
| 4 | <input type="checkbox"/> | 250.000  | 241.880    | 9847143.55   | 1.3866  | A       | 0.7 |
| 5 | <input type="checkbox"/> | 625.000  | 608.535    | 24663376.48  | 3.4875  | A       | 0.6 |
| 6 | <input type="checkbox"/> | 1250.000 | 1234.245   | 49809937.57  | 7.0728  | A       | 1.2 |
| 7 | <input type="checkbox"/> | 2500.000 | 2457.318   | 99893860.10  | 14.0809 | A       | 0.2 |
| 8 | <input type="checkbox"/> | 5000.000 | 5027.744   | 199728301.23 | 28.8091 | A       | 1.5 |
| 9 | <input type="checkbox"/> |          |            | 98163.32     | 0.0164  | P       | 2.4 |

$$y = 0.0057 * x + 7.0415E-004$$

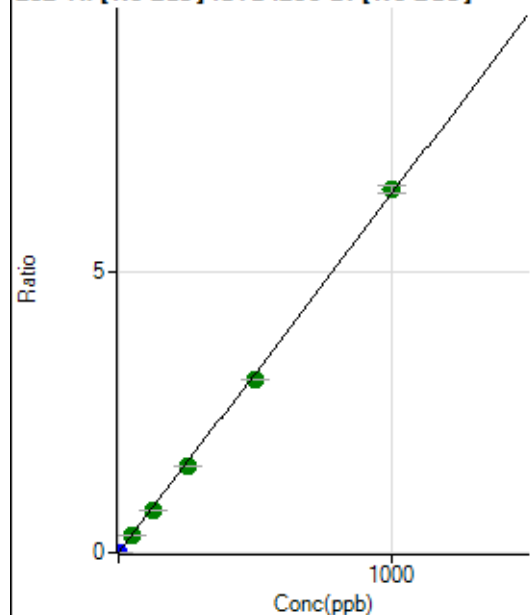
$$R = 0.9999$$

$$DL = 0.01599$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD  |
|---|--------------------------|----------|------------|-------------|--------|---------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1318.61     | 0.0002 | P       | 2.5  |
| 2 | <input type="checkbox"/> | 0.100    | 0.081      | 4989.90     | 0.0007 | P       | 5.3  |
| 3 | <input type="checkbox"/> | 1.000    | 0.869      | 40032.92    | 0.0057 | P       | 2.3  |
| 4 | <input type="checkbox"/> | 50.000   | 46.987     | 2132520.07  | 0.3003 | A       | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 119.278    | 5388875.12  | 0.7620 | A       | 0.9  |
| 6 | <input type="checkbox"/> | 250.000  | 240.980    | 10841509.74 | 1.5394 | A       | 1.3  |
| 7 | <input type="checkbox"/> | 500.000  | 483.777    | 21922417.39 | 3.0901 | A       | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 1011.232   | 44776128.32 | 6.4591 | A       | 2.2  |
| 9 | <input type="checkbox"/> |          |            | 4499.38     | 0.0008 | P       | 13.9 |

$$y = 0.0064 * x + 1.8742E-004$$

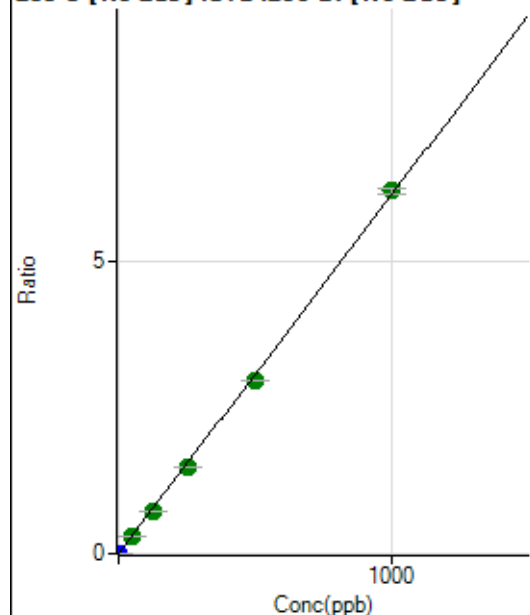
$$R = 0.9998$$

$$DL = 0.002164$$

Weight: &lt;None&gt;

Min Conc: 0

238 U [No Gas] ISTD :209 Bi [No Gas]



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | De<br>t | RSD |
|---|--------------------------|----------|------------|-------------|--------|---------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1136.19     | 0.0002 | P       | 8.0 |
| 2 | <input type="checkbox"/> | 0.100    | 0.082      | 4703.75     | 0.0007 | P       | 6.3 |
| 3 | <input type="checkbox"/> | 1.000    | 0.877      | 38799.14    | 0.0056 | P       | 2.8 |
| 4 | <input type="checkbox"/> | 50.000   | 47.244     | 2066197.16  | 0.2910 | A       | 0.7 |
| 5 | <input type="checkbox"/> | 125.000  | 118.824    | 5173236.36  | 0.7316 | A       | 1.7 |
| 6 | <input type="checkbox"/> | 250.000  | 241.769    | 10482097.28 | 1.4883 | A       | 0.9 |
| 7 | <input type="checkbox"/> | 500.000  | 483.603    | 21119196.30 | 2.9769 | A       | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 1011.166   | 43151081.52 | 6.2242 | A       | 1.6 |
| 9 | <input type="checkbox"/> |          |            | 4859.70     | 0.0008 | P       | 9.8 |

$$y = 0.0062 * x + 1.6152E-004$$

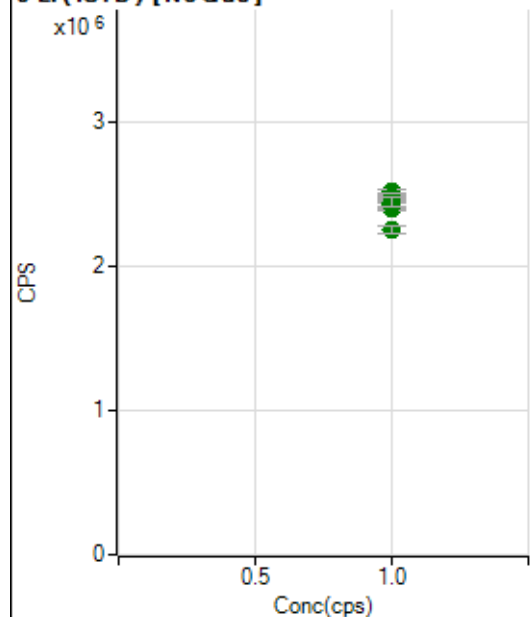
$$R = 0.9998$$

$$DL = 0.006308$$

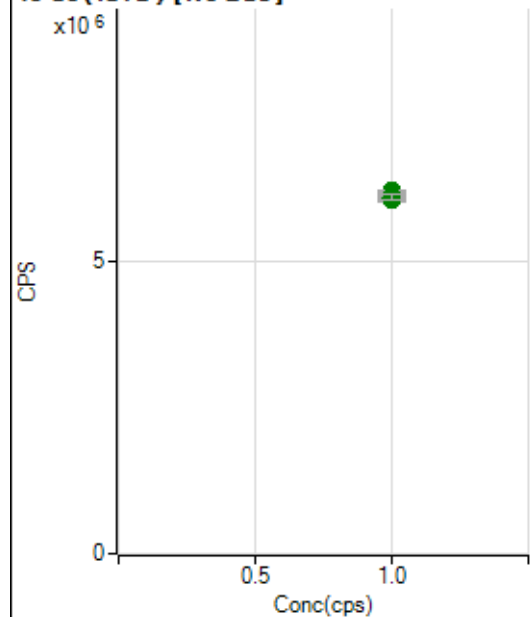
Weight: &lt;None&gt;

Min Conc: 0

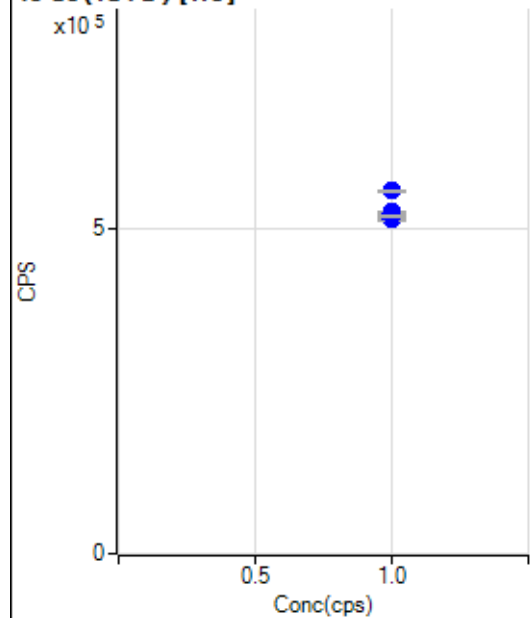
6 Li (ISTD) [No Gas]



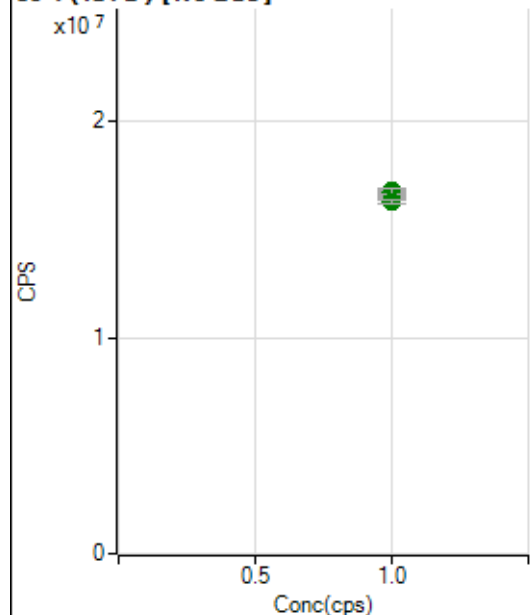
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2401132.38 |       | A       | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2396693.21 |       | A       | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2426285.24 |       | A       | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2472248.31 |       | A       | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2462345.03 |       | A       | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2516790.00 |       | A       | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2485494.42 |       | A       | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2447527.57 |       | A       | 3.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2256639.78 |       | A       | 2.5 |

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

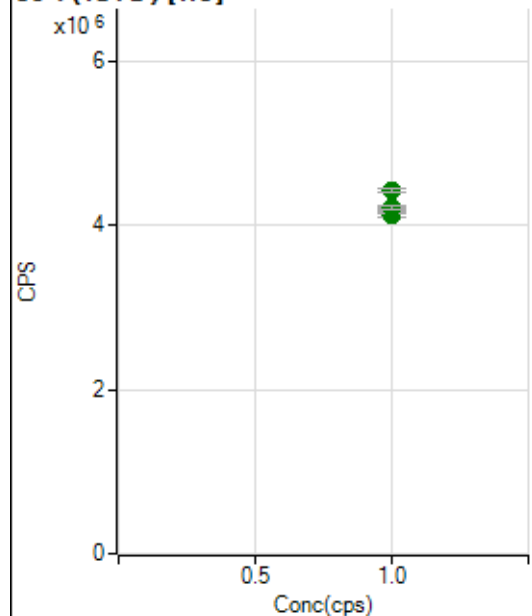
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6071457.90 |       | A       | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6061783.66 |       | A       | 0.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6094805.26 |       | A       | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6194528.94 |       | A       | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6044742.69 |       | A       | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6039664.84 |       | A       | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6120422.89 |       | A       | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6080791.37 |       | A       | 2.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 6086336.16 |       | A       | 1.3 |

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

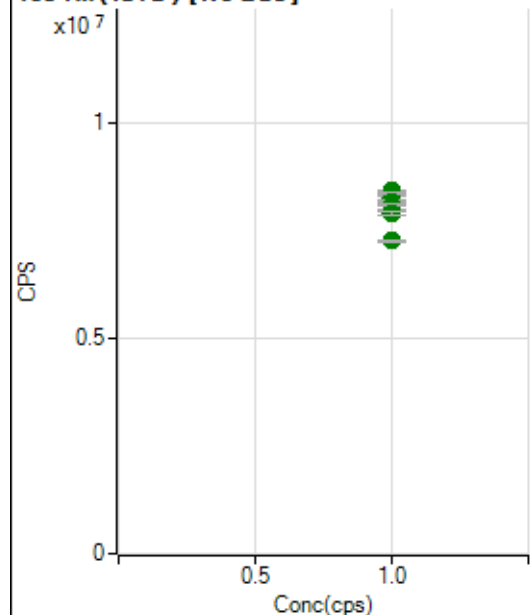
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-----------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 515866.31 |       | P       | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 513350.89 |       | P       | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 525312.15 |       | P       | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 522343.70 |       | P       | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 517849.29 |       | P       | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 514124.90 |       | P       | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 518527.04 |       | P       | 0.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 519112.40 |       | P       | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 557374.66 |       | P       | 0.6 |

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

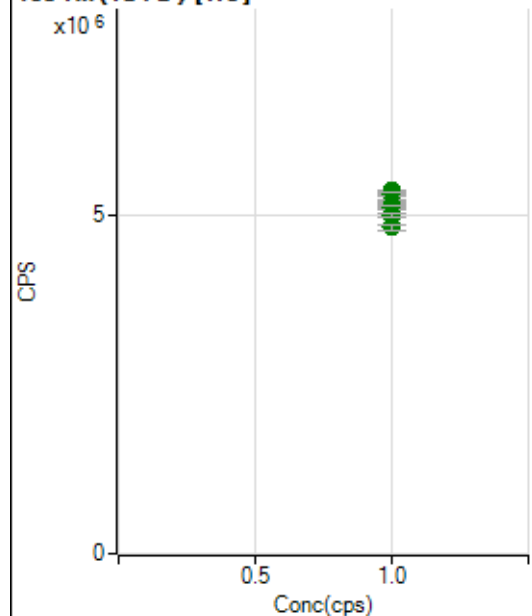
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 16614172.11 |       | A       | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 16624311.98 |       | A       | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 16676315.45 |       | A       | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 16767313.22 |       | A       | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 16490260.73 |       | A       | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 16634169.20 |       | A       | 2.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 16781501.28 |       | A       | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 16761775.86 |       | A       | 1.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 16298467.53 |       | A       | 1.4 |

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

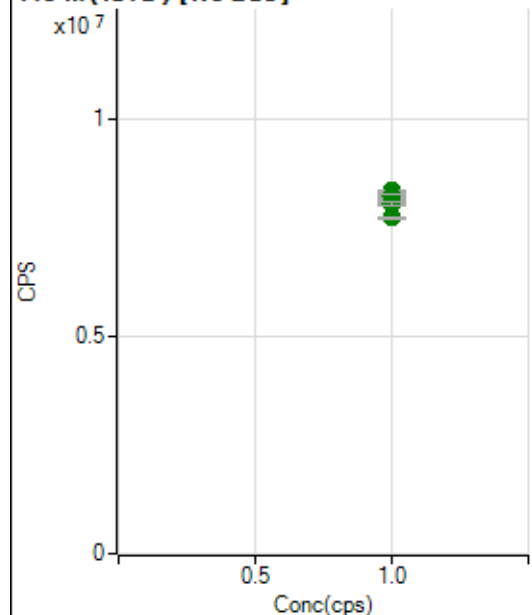
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4171388.31 |       | A       | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4205562.79 |       | A       | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4198911.50 |       | A       | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4203302.13 |       | A       | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4152048.69 |       | A       | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4129617.09 |       | A       | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4157113.24 |       | A       | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4214925.53 |       | A       | 1.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4418858.06 |       | A       | 1.1 |

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

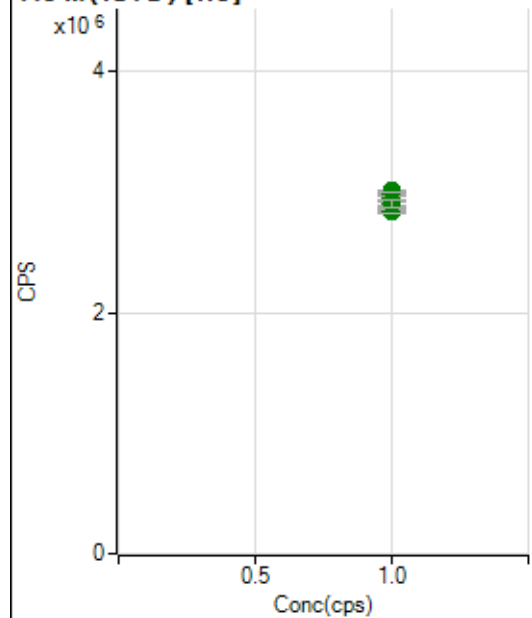
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8332710.99 |       | A       | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8264835.43 |       | A       | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8406739.32 |       | A       | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8339582.86 |       | A       | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8137768.49 |       | A       | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8093210.15 |       | A       | 2.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8076647.73 |       | A       | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7904835.44 |       | A       | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7246178.50 |       | A       | 0.4 |

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

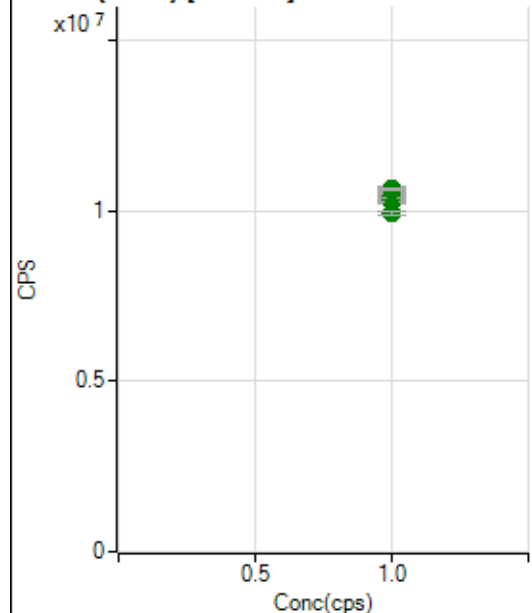
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5283232.25 |       | A       | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5295080.93 |       | A       | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5351809.82 |       | A       | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5306075.79 |       | A       | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5200630.34 |       | A       | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5135152.39 |       | A       | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5108723.74 |       | A       | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4992844.93 |       | A       | 0.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4818149.37 |       | A       | 1.8 |

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

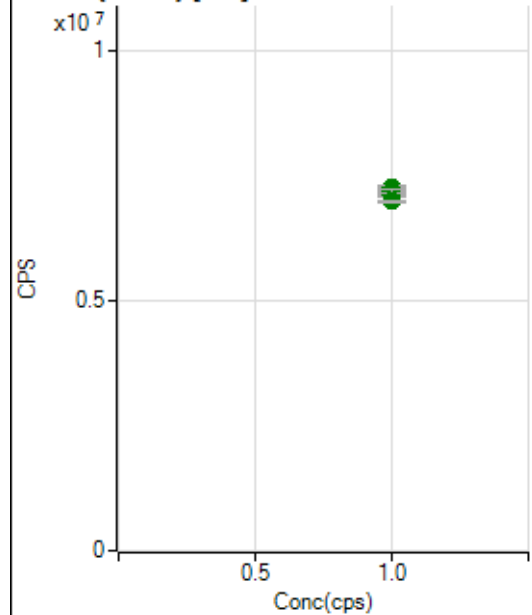
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8256506.66 |       | A       | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8292260.58 |       | A       | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8313888.21 |       | A       | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8358758.46 |       | A       | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8203309.19 |       | A       | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8156112.33 |       | A       | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8230521.37 |       | A       | 1.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8056100.32 |       | A       | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7742813.27 |       | A       | 0.5 |

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

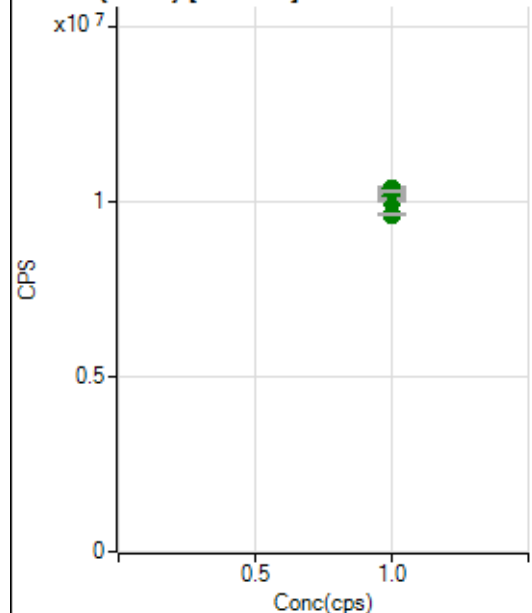
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2931365.73 |       | A       | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2955918.08 |       | A       | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3008345.82 |       | A       | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2980962.82 |       | A       | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2923139.56 |       | A       | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2863833.98 |       | A       | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2856363.01 |       | A       | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2835629.16 |       | A       | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2901998.91 |       | A       | 1.7 |

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

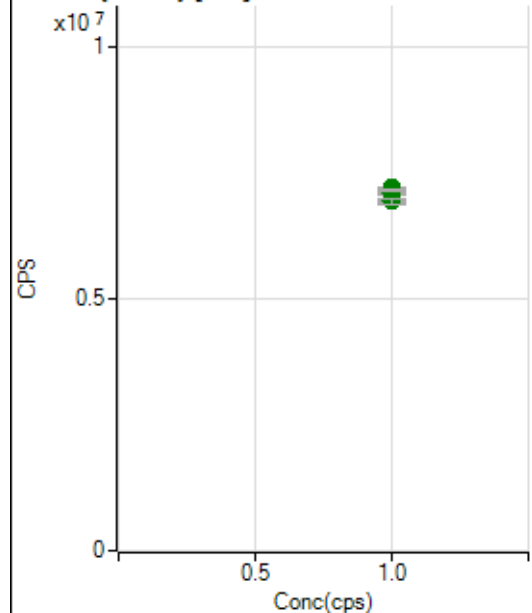
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10360365.95 |       | A       | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10270336.58 |       | A       | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10365661.30 |       | A       | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10512979.08 |       | A       | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10329909.98 |       | A       | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10473804.08 |       | A       | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10655571.65 |       | A       | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10641395.19 |       | A       | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9932294.30  |       | A       | 0.7 |

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

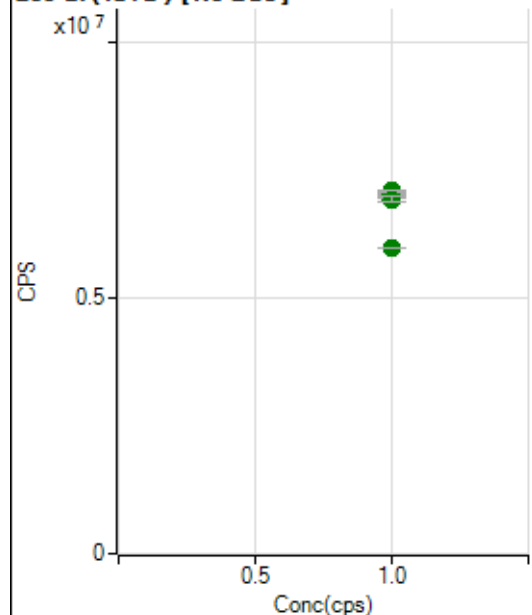
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7090138.71 |       | A       | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7120012.95 |       | A       | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7217277.74 |       | A       | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7224375.59 |       | A       | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7125364.34 |       | A       | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7116927.32 |       | A       | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7254531.42 |       | A       | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7198118.99 |       | A       | 0.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 6985006.28 |       | A       | 0.9 |

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

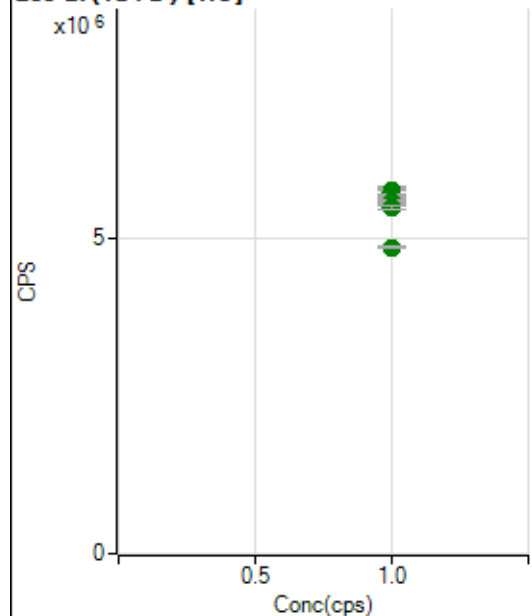
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|-------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10072819.22 |       | A       | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10008443.39 |       | A       | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10200369.64 |       | A       | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10134602.28 |       | A       | 2.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10142094.02 |       | A       | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10249158.18 |       | A       | 2.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10362049.29 |       | A       | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10306957.28 |       | A       | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9629553.47  |       | A       | 0.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6930696.84 |       | A       | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6991901.56 |       | A       | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7064792.19 |       | A       | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7072023.50 |       | A       | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7104513.16 |       | A       | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7000988.30 |       | A       | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7198938.51 |       | A       | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7145822.67 |       | A       | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 6926655.38 |       | A       | 1.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7035316.07 |       | A       | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7047414.90 |       | A       | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6979734.27 |       | A       | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7101248.50 |       | A       | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7071688.58 |       | A       | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7043495.17 |       | A       | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7094311.28 |       | A       | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6933947.81 |       | A       | 1.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5992378.25 |       | A       | 0.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | De<br>t | RSD |
|---|--------------------------|-------|------------|------------|-------|---------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5686615.26 |       | A       | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5741156.72 |       | A       | 2.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5755981.65 |       | A       | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5739949.50 |       | A       | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5699796.16 |       | A       | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5592225.96 |       | A       | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5591671.03 |       | A       | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5494298.60 |       | A       | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4863694.93 |       | A       | 0.9 |

# US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7032292-MS2.b

Acq. Date-Time 2022-03-29 16:34:53

Report Comment ---

Instrument Name G8403A JP14410463

[No Gas]

## Sensitivity

| Mass | Conc. [ug/l] | Count  | CPS        | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%   | RSD% (Required) |
|------|--------------|--------|------------|----------------------------|-------------|--------|-----------------|
| 9    |              | 11359  | 113589.06  |                            |             | 0.714  | 5.000           |
| 24   |              | 108092 | 1080915.74 |                            |             | 0.727  | 5.000           |
| 25   |              | 14203  | 142026.32  |                            |             | 0.616  | 5.000           |
| 26   |              | 16195  | 161949.34  |                            |             | 0.357  | 5.000           |
| 59   |              | 29330  | 293303.58  |                            |             | 0.224  | 5.000           |
| 113  |              | 13406  | 134060.95  |                            |             | 0.214  | 5.000           |
| 115  |              | 38569  | 385690.06  |                            |             | 1.162  | 5.000           |
| 206  |              | 19022  | 190222.35  |                            |             | 0.877  | 5.000           |
| 207  |              | 15935  | 159353.77  |                            |             | 0.527  | 5.000           |
| 208  |              | 38691  | 386906.07  |                            |             | 0.235  | 5.000           |
| 220  |              | 0      | 3.80       |                            |             | 43.241 |                 |

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

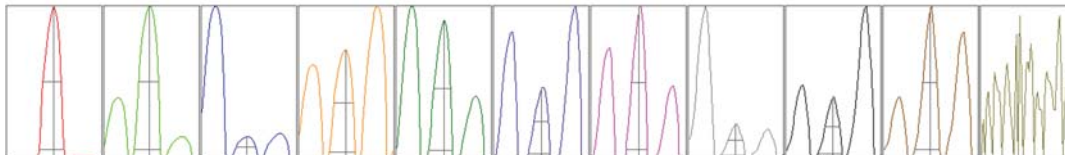
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 11222       | 11399       | 11347       | 11417       | 11410       |
| 24   | 106984      | 107572      | 108883      | 108516      | 108502      |
| 25   | 14121       | 14173       | 14160       | 14211       | 14348       |
| 26   | 16097       | 16240       | 16209       | 16193       | 16235       |
| 59   | 29236       | 29399       | 29355       | 29292       | 29370       |
| 113  | 13430       | 13403       | 13392       | 13368       | 13438       |
| 115  | 39114       | 38745       | 38724       | 38314       | 37947       |
| 206  | 19244       | 19104       | 19018       | 18945       | 18800       |
| 207  | 15991       | 15997       | 15916       | 15976       | 15797       |
| 208  | 38604       | 38713       | 38743       | 38591       | 38802       |

# US EPA Tune Check Report

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 220  | 0           | 0           | 0           | 1           | 0           |

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 21339.95    | 9.00   | 8.90 - 9.10     |             |
| 24   | 182627.57   | 23.95  | 23.90 - 24.10   |             |
| 25   | 24080.99    | 24.95  | 24.90 - 25.10   |             |
| 26   | 28132.76    | 26.00  | 25.90 - 26.10   |             |
| 59   | 58592.36    | 59.05  | 58.90 - 59.10   |             |
| 113  | 30037.29    | 113.05 | 112.90 - 113.10 |             |
| 115  | 88976.03    | 115.05 | 114.90 - 115.10 |             |
| 206  | 40644.44    | 206.00 | 205.90 - 206.10 |             |
| 207  | 34615.34    | 207.00 | 206.90 - 207.10 |             |
| 208  | 85686.13    | 208.00 | 207.90 - 208.10 |             |
| 220  | 0.00        | 219.70 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.56  | 0.779 | 0.900           |             |
| 24   | 0.62  | 0.822 | 0.900           |             |
| 25   | 0.62  | 0.791 | 0.900           |             |
| 26   | 0.61  | 0.814 | 0.900           |             |
| 59   | 0.52  | 0.758 | 0.900           |             |
| 113  | 0.46  | 0.678 | 0.900           |             |
| 115  | 0.44  | 0.675 | 0.900           |             |
| 206  | 0.47  | 0.767 | 0.900           |             |
| 207  | 0.46  | 0.770 | 0.900           |             |
| 208  | 0.45  | 0.786 | 0.900           |             |
| 220  | 0.30  | 0.300 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

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

# US EPA Tune Check Report

|              |        |                |          |               |            |
|--------------|--------|----------------|----------|---------------|------------|
| RF Power     | 1600 W | Option Gas     | ---      | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 V | Nebulizer Pump | 0.10 rps | Plasma Gas    | 15.0 L/min |
| Sample Depth | 9.0 mm | S/C Temp       | 2 °C     |               |            |

## Lens Parameters

|            |          |               |       |            |        |
|------------|----------|---------------|-------|------------|--------|
| Extract 1  | 0.0 V    | Omega Lens    | 8.7 V | Deflect    | 14.0 V |
| Extract 2  | -175.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -80 V    | Cell Exit     | -50 V |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 5.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 200 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 122 | Axis Gain   | 1.0005 | QP Bias | -3.0 V |
| Mass Offset | 124 | Axis Offset | -0.03  |         |        |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -0.8 mm | Torch V | 1.0 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.1 mV | Analog HV | 2164 V | Pulse HV | 1456 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 10103 | 101032.34 |                            |             | 0.437 |                 |
| 89   |              | 49792 | 497917.64 |                            |             | 0.430 |                 |
| 205  |              | 61362 | 613622.78 |                            |             | 0.411 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 10114       | 10169       | 10105       | 10078       | 10050       |
| 89   | 50043       | 49969       | 49738       | 49694       | 49515       |
| 205  | 61121       | 61694       | 61139       | 61311       | 61546       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |        |                |            |               |            |
|--------------|--------|----------------|------------|---------------|------------|
| Plasma Mode  | ---    | Nebulizer Gas  | 0.73 L/min | Dilution Gas  | 0.40 L/min |
| RF Power     | 1600 W | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 V | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 9.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |       |            |       |         |       |
|-----------|-------|------------|-------|---------|-------|
| Extract 1 | 0.0 V | Omega Lens | 9.6 V | Deflect | 3.2 V |
|-----------|-------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -185.0 V | Cell Entrance | -40 V | Plate Bias | -60 V |
| Omega Bias | -85 V    | Cell Exit     | -60 V |            |       |

## Cell Parameters

|         |            |              |         |                       |       |
|---------|------------|--------------|---------|-----------------------|-------|
| Use Gas | Yes        | 3rd Gas Flow | ---     | Energy Discrimination | 5.0 V |
| He Flow | 3.9 mL/min | OctP Bias    | -18.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 200 V   |                       |       |

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 122 | Axis Gain   | 1.0005 | QP Bias | -13.0 V |
| Mass Offset | 124 | Axis Offset | -0.03  |         |         |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -0.8 mm | Torch V | 1.0 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.1 mV | Analog HV | 2164 V | Pulse HV | 1456 V |
|---------------|--------|-----------|--------|----------|--------|