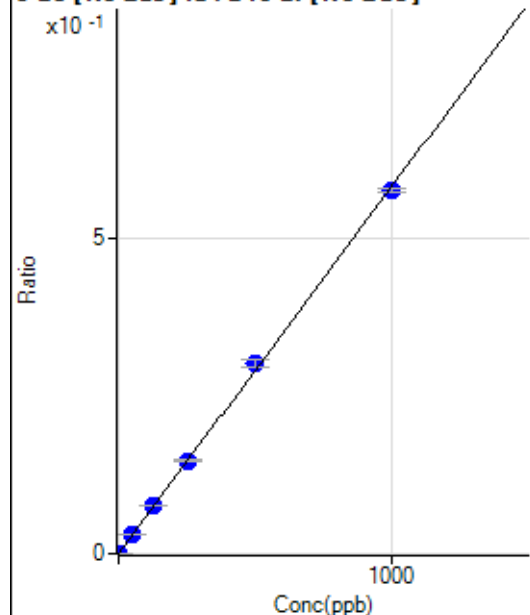


Batch Folder: C:\Agilent\ICPMH\1\DATA\P7073121EPA.b\  
Analysis File: P7073121EPA.batch.bin  
DA Date-Time: 2021-07-31 12:44:46  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 007CALB.d          | S00         | 2021-07-31 12:31:00 |
| 2     | 008CAL.S.d         | S02         | 2021-07-31 12:34:05 |
| 3     | 010CAL.S.d         | S03         | 2021-07-31 12:40:11 |
| 4     | 011CAL.S.d         | S04         | 2021-07-31 12:43:15 |
| 5     | 012CAL.S.d         | S05         | 2021-07-31 12:46:17 |
| 6     | 013CAL.S.d         | S06         | 2021-07-31 12:49:15 |
| 7     | 015CAL.S.d         | S07         | 2021-07-31 12:55:05 |
| 8     | 017CAL.S.d         | S08         | 2021-07-31 13:00:57 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 38.89      | 0.0000 | P    | 15.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.069      | 1896.45    | 0.0006 | P    | 3.9  |
| 3 | <input type="checkbox"/> | 50.000   | 52.167     | 90685.15   | 0.0303 | P    | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 129.700    | 217910.59  | 0.0754 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 250.000  | 254.179    | 412314.62  | 0.1478 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 518.361    | 774977.80  | 0.3013 | P    | 4.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.079    | 1492209.87 | 0.5749 | P    | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 229.63     | 0.0001 | P    | 25.3 |

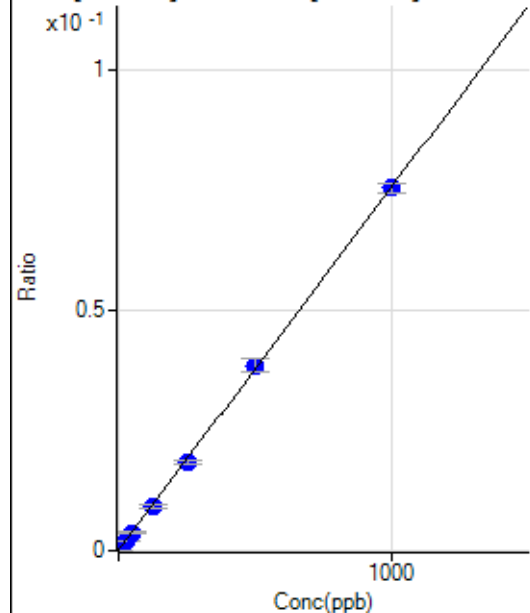
$$y = 5.8124\text{E-}004 * x + 1.3192\text{E-}005$$

$$R = 0.9997$$

$$DL = 0.01048$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 269.46    | 0.0001 | P    | 17.1 |
| 2 | <input type="checkbox"/> | 25.000   | 23.277     | 5534.47   | 0.0019 | P    | 4.9  |
| 3 | <input type="checkbox"/> | 50.000   | 48.867     | 11318.37  | 0.0038 | P    | 4.5  |
| 4 | <input type="checkbox"/> | 125.000  | 120.526    | 26604.35  | 0.0092 | P    | 5.4  |
| 5 | <input type="checkbox"/> | 250.000  | 241.880    | 51278.95  | 0.0184 | P    | 4.2  |
| 6 | <input type="checkbox"/> | 500.000  | 509.296    | 99215.07  | 0.0386 | P    | 6.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.041    | 196113.28 | 0.0755 | P    | 3.0  |
| 8 | <input type="checkbox"/> |          |            | 7438.11   | 0.0030 | P    | 8.7  |

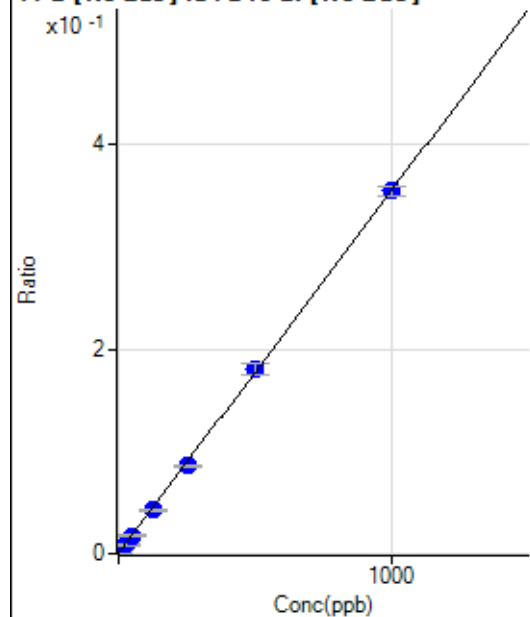
$$y = 7.5600\text{E-}005 * x + 9.1237\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.6196$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1386.22   | 0.0005 | P    | 13.3 |
| 2 | <input type="checkbox"/> | 25.000   | 23.150     | 25956.13  | 0.0087 | P    | 6.7  |
| 3 | <input type="checkbox"/> | 50.000   | 48.355     | 52683.77  | 0.0176 | P    | 3.5  |
| 4 | <input type="checkbox"/> | 125.000  | 118.907    | 123251.96 | 0.0426 | P    | 3.5  |
| 5 | <input type="checkbox"/> | 250.000  | 241.364    | 240198.49 | 0.0861 | P    | 3.0  |
| 6 | <input type="checkbox"/> | 500.000  | 506.955    | 463476.80 | 0.1803 | P    | 6.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.571    | 921605.35 | 0.3550 | P    | 2.8  |
| 8 | <input type="checkbox"/> |          |            | 34239.27  | 0.0137 | P    | 6.9  |

$$y = 3.5469E-004 * x + 4.6982E-004$$

$$R = 0.9999$$

$$DL = 0.5294$$

Weight: &lt;None&gt;

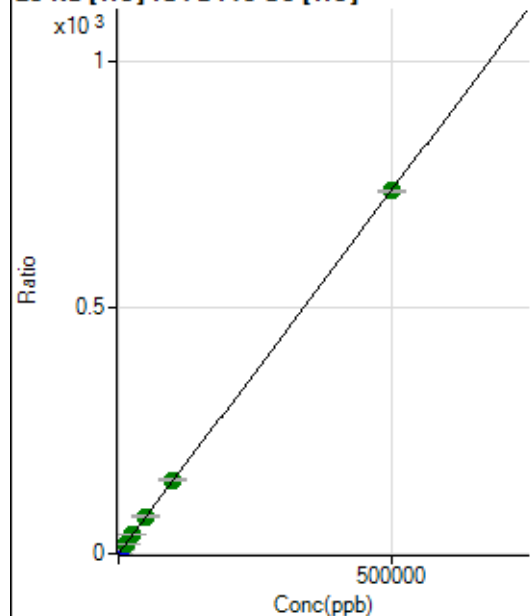
Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS | Ratio | Det. | 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"/> |       |            |     |       |      |     |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS | Ratio | Det<br>. | 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"/> |       |            |     |       |          |     |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 18492.33    | 0.0507   | P        | 1.7 |
| 2 | <input type="checkbox"/> | 500.000   | 522.727    | 303650.31   | 0.8226   | P        | 1.1 |
| 3 | <input type="checkbox"/> | 5000.000  | 5313.940   | 2839639.04  | 7.8983   | P        | 0.4 |
| 4 | <input type="checkbox"/> | 12500.000 | 12979.903  | 6683022.20  | 19.2195  | A        | 1.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 26031.423  | 12725152.02 | 38.4941  | A        | 0.0 |
| 6 | <input type="checkbox"/> | 50000.000 | 51514.656  | 24744216.01 | 76.1280  | A        | 0.6 |
| 7 | <input type="checkbox"/> | 100000.00 | 101689.64  | 48767906.99 | 150.2270 | A        | 0.5 |
| 8 | <input type="checkbox"/> | 500000.00 | 499443.87  | 237014549.7 | 737.6345 | A        | 0.3 |

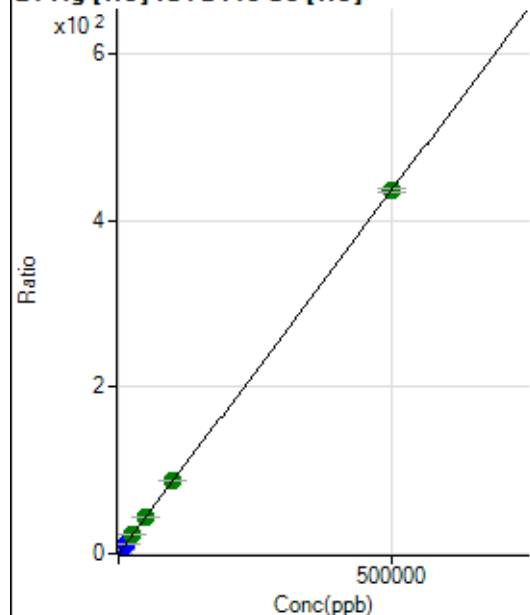
$$y = 0.0015 * x + 0.0507$$

$$R = 1.0000$$

$$DL = 1.796$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1383.43     | 0.0038   | P    | 4.0 |
| 2 | <input type="checkbox"/> | 500.000   | 509.650    | 165441.60   | 0.4482   | P    | 0.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5318.155   | 1668582.20  | 4.6411   | P    | 0.3 |
| 4 | <input type="checkbox"/> | 12500.000 | 13094.410  | 3971784.42  | 11.4217  | P    | 0.7 |
| 5 | <input type="checkbox"/> | 25000.000 | 26177.365  | 7546727.51  | 22.8297  | A    | 0.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 51516.917  | 14602304.84 | 44.9250  | A    | 0.4 |
| 7 | <input type="checkbox"/> | 100000.00 | 101342.79  | 28687803.77 | 88.3718  | A    | 0.6 |
| 8 | <input type="checkbox"/> | 500000.00 | 499502.83  | 139949244.7 | 435.5558 | A    | 1.2 |

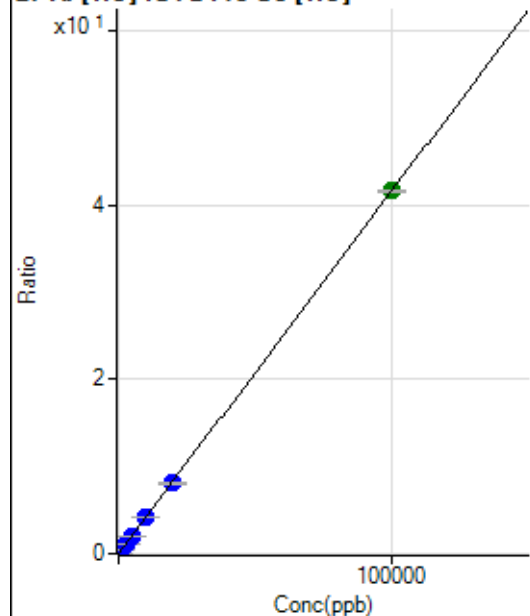
$$y = 8.7197\text{E-}004 * x + 0.0038$$

$$R = 1.0000$$

$$DL = 0.5195$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 169.45      | 0.0005  | P    | 52.6 |
| 2 | <input type="checkbox"/> | 20.000    | 27.345     | 4367.41     | 0.0118  | P    | 1.3  |
| 3 | <input type="checkbox"/> | 1000.000  | 1040.261   | 155642.45   | 0.4329  | P    | 0.2  |
| 4 | <input type="checkbox"/> | 2500.000  | 2538.691   | 367159.60   | 1.0558  | P    | 0.4  |
| 5 | <input type="checkbox"/> | 5000.000  | 5024.773   | 690652.33   | 2.0893  | P    | 0.6  |
| 6 | <input type="checkbox"/> | 10000.000 | 9952.917   | 1344992.37  | 4.1380  | P    | 0.8  |
| 7 | <input type="checkbox"/> | 20000.000 | 19413.284  | 2620039.95  | 8.0707  | P    | 0.6  |
| 8 | <input type="checkbox"/> | 100000.00 | 100119.44  | 13373461.41 | 41.6208 | A    | 0.4  |

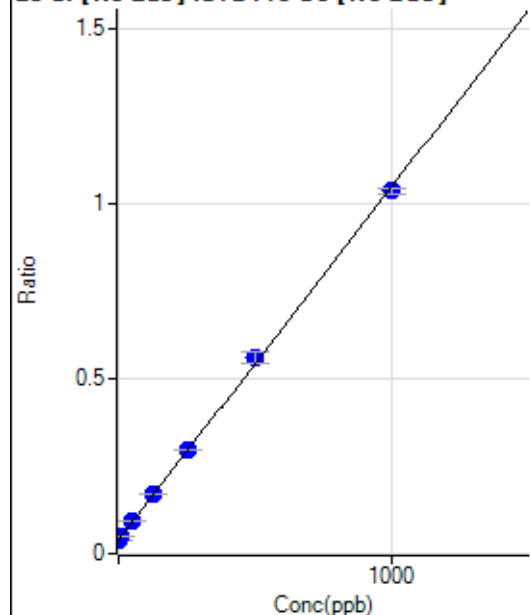
$$y = 4.1571\text{E-}004 * x + 4.6428\text{E-}004$$

$$R = 1.0000$$

$$DL = 1.764$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 188227.65  | 0.0392 | P    | 1.8 |
| 2 | <input type="checkbox"/> | 10.000   | 10.233     | 246313.74  | 0.0495 | P    | 0.6 |
| 3 | <input type="checkbox"/> | 50.000   | 52.883     | 454535.72  | 0.0926 | P    | 1.1 |
| 4 | <input type="checkbox"/> | 125.000  | 129.600    | 783726.76  | 0.1700 | P    | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 255.964    | 1331291.77 | 0.2975 | P    | 1.3 |
| 6 | <input type="checkbox"/> | 500.000  | 517.873    | 2328692.78 | 0.5618 | P    | 5.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 988.851    | 4391219.41 | 1.0371 | P    | 1.9 |
| 8 | <input type="checkbox"/> |          |            | 312466.13  | 0.0750 | P    | 4.8 |

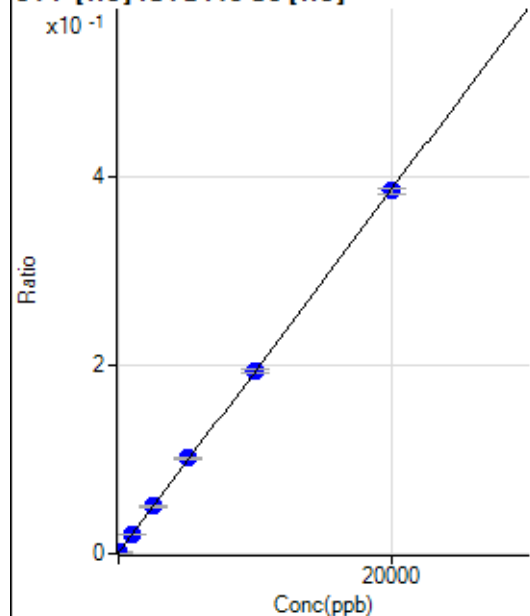
$$y = 0.0010 * x + 0.0392$$

$$R = 0.9997$$

$$DL = 2.072$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 8.138      | 402.79    | 0.0011 | P    | 8.7  |
| 2 | <input type="checkbox"/> | 0.000     | -8.138     | 291.68    | 0.0008 | P    | 12.8 |
| 3 | <input type="checkbox"/> | 1000.000  | 1042.280   | 7560.39   | 0.0210 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 2500.000  | 2544.761   | 17377.10  | 0.0500 | P    | 3.1  |
| 5 | <input type="checkbox"/> | 5000.000  | 5198.405   | 33421.23  | 0.1011 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 10000.000 | 10037.088  | 63164.12  | 0.1943 | P    | 2.4  |
| 7 | <input type="checkbox"/> | 20000.000 | 19924.146  | 124930.05 | 0.3848 | P    | 1.5  |
| 8 | <input type="checkbox"/> |           |            | 330.57    | 0.0010 | P    | 14.4 |

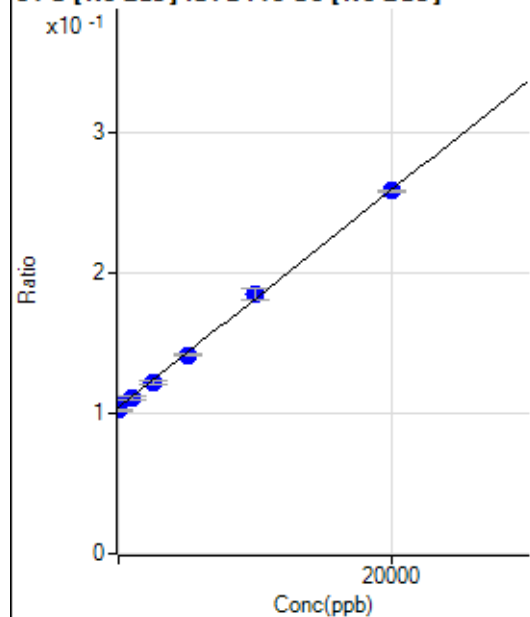
$$y = 1.9267E-005 * x + 9.4673E-004$$

$$R = 0.9999$$

$$DL = 15.29$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 244.551    | 508629.15  | 0.1059 | P    | 0.8 |
| 2 | <input type="checkbox"/> | 0.000     | -244.551   | 507989.73  | 0.1021 | P    | 0.7 |
| 3 | <input type="checkbox"/> | 1000.000  | 844.407    | 542908.88  | 0.1106 | P    | 1.6 |
| 4 | <input type="checkbox"/> | 2500.000  | 2298.771   | 561576.80  | 0.1218 | P    | 2.1 |
| 5 | <input type="checkbox"/> | 5000.000  | 4779.624   | 631032.23  | 0.1410 | P    | 1.2 |
| 6 | <input type="checkbox"/> | 10000.000 | 10408.825  | 765249.36  | 0.1846 | P    | 4.9 |
| 7 | <input type="checkbox"/> | 20000.000 | 19883.614  | 1091977.49 | 0.2579 | P    | 0.6 |
| 8 | <input type="checkbox"/> |           |            | 416701.11  | 0.1000 | P    | 0.4 |

$$y = 7.7380E-006 * x + 0.1040$$

R = 0.9994

DL = 304

Weight: <None>

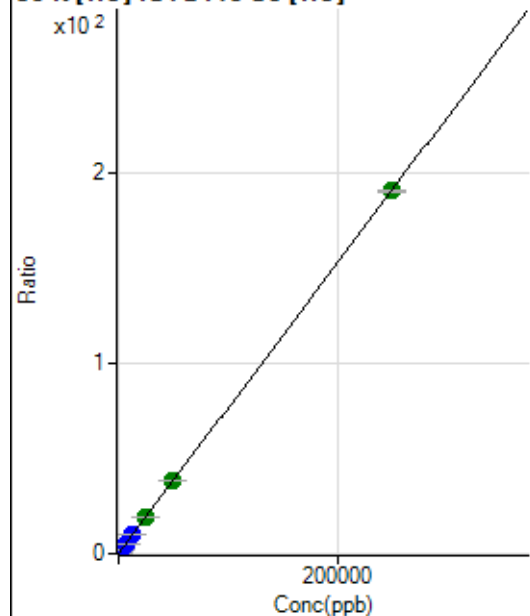
Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS | Ratio | Det. | 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"/> |       |            |     |       |      |     |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS | Ratio | Det<br>. | 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"/> |       |            |     |       |          |     |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 43453.02    | 0.1190   | P        | 0.9 |
| 2 | <input type="checkbox"/> | 500.000   | 533.453    | 194141.88   | 0.5259   | P        | 0.7 |
| 3 | <input type="checkbox"/> | 2500.000  | 2737.047   | 793392.10   | 2.2068   | P        | 0.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6721.789   | 1824348.48  | 5.2462   | P        | 0.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 13348.461  | 3405106.98  | 10.3008  | P        | 0.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 25162.389  | 6277149.44  | 19.3120  | A        | 0.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 49791.596  | 12367860.61 | 38.0983  | A        | 0.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 249968.78  | 61303630.54 | 190.7865 | A        | 0.2 |

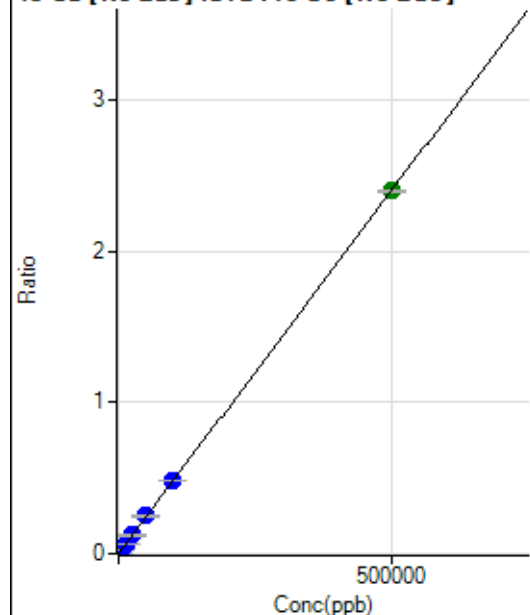
$$y = 7.6276E-004 * x + 0.1190$$

$$R = 1.0000$$

$$DL = 4.072$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 186.12     | 0.0000 | P    | 20.4 |
| 2 | <input type="checkbox"/> | 500.000   | 472.000    | 11460.21   | 0.0023 | P    | 1.8  |
| 3 | <input type="checkbox"/> | 5000.000  | 5057.741   | 119386.29  | 0.0243 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 12500.000 | 12729.670  | 281845.08  | 0.0611 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 25000.000 | 25263.902  | 542813.57  | 0.1213 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 50000.000 | 51824.608  | 1031432.74 | 0.2488 | P    | 5.1  |
| 7 | <input type="checkbox"/> | 100000.00 | 100296.36  | 2038611.37 | 0.4815 | P    | 0.5  |
| 8 | <input type="checkbox"/> | 500000.00 | 499738.78  | 9993153.96 | 2.3988 | A    | 0.5  |

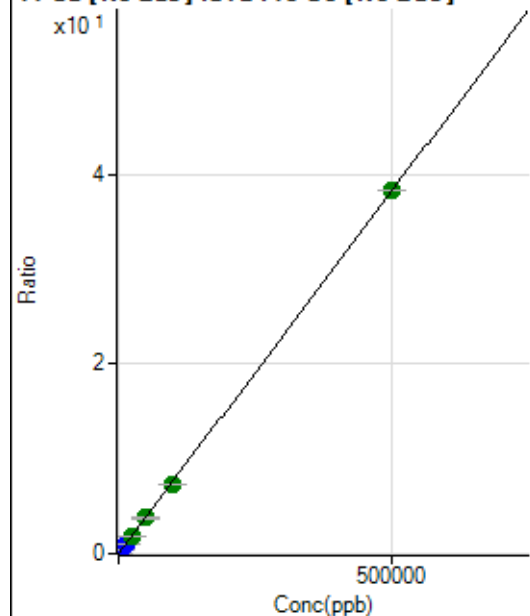
$$y = 4.8000\text{E-}006 * x + 3.8774\text{E-}005$$

$$R = 1.0000$$

$$DL = 4.938$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 6951.78     | 0.0014  | P    | 4.6 |
| 2 | <input type="checkbox"/> | 500.000   | 489.587    | 193317.08   | 0.0389  | P    | 1.3 |
| 3 | <input type="checkbox"/> | 5000.000  | 5047.305   | 1901585.40  | 0.3873  | P    | 1.0 |
| 4 | <input type="checkbox"/> | 12500.000 | 12660.755  | 4468084.09  | 0.9692  | P    | 1.6 |
| 5 | <input type="checkbox"/> | 25000.000 | 24086.022  | 8245605.74  | 1.8426  | A    | 0.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 49794.935  | 15789970.66 | 3.8078  | A    | 4.1 |
| 7 | <input type="checkbox"/> | 100000.00 | 96415.553  | 31212870.84 | 7.3715  | A    | 0.4 |
| 8 | <input type="checkbox"/> | 500000.00 | 500778.61  | 159474007.7 | 38.2810 | A    | 0.1 |

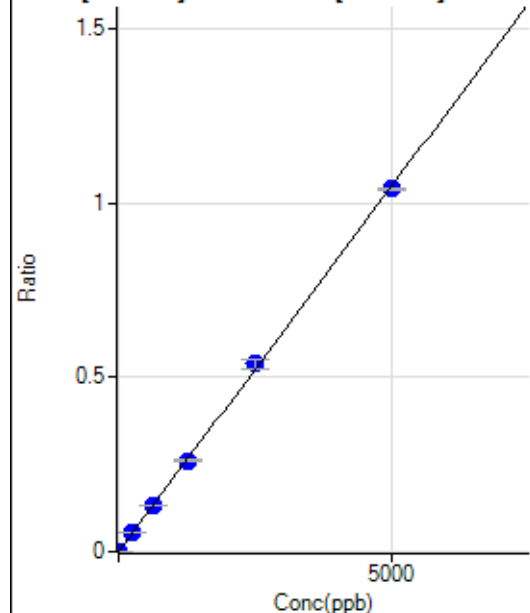
$$y = 7.6440\text{E-}005 * x + 0.0014$$

$$R = 1.0000$$

$$DL = 2.628$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00      | 0.0000 | P    | 66.3 |
| 2 | <input type="checkbox"/> | 5.000    | 4.849      | 5101.01    | 0.0010 | P    | 4.8  |
| 3 | <input type="checkbox"/> | 250.000  | 250.522    | 257628.74  | 0.0525 | P    | 0.1  |
| 4 | <input type="checkbox"/> | 625.000  | 629.591    | 607666.45  | 0.1318 | P    | 2.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1249.011   | 1170262.38 | 0.2615 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2567.098   | 2227815.20 | 0.5375 | P    | 5.7  |
| 7 | <input type="checkbox"/> | 5000.000 | 4966.099   | 4402662.99 | 1.0398 | P    | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 822.27     | 0.0002 | P    | 8.4  |

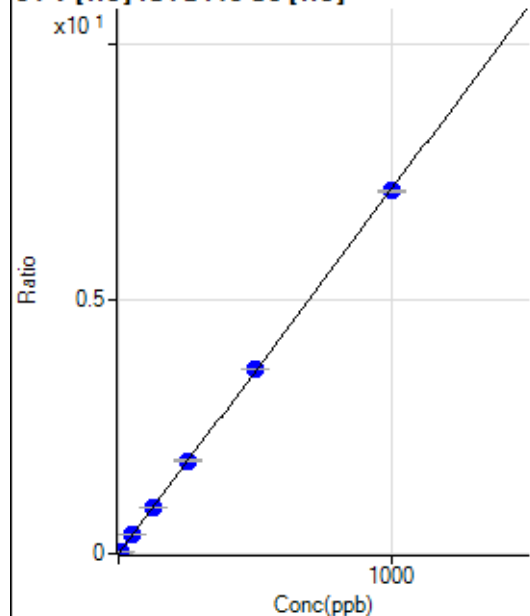
$$y = 2.0937E-004 * x + 1.0389E-005$$

$$R = 0.9999$$

$$DL = 0.09866$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3.33       | 0.0000 | P    | 0.1 |
| 2 | <input type="checkbox"/> | 5.000    | 5.239      | 13842.14   | 0.0375 | P    | 1.5 |
| 3 | <input type="checkbox"/> | 50.000   | 51.463     | 132402.83  | 0.3683 | P    | 1.2 |
| 4 | <input type="checkbox"/> | 125.000  | 128.164    | 318910.98  | 0.9171 | P    | 1.1 |
| 5 | <input type="checkbox"/> | 250.000  | 255.781    | 605049.38  | 1.8303 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 505.735    | 1176296.35 | 3.6190 | P    | 0.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 995.218    | 2311871.70 | 7.1216 | P    | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 458.90     | 0.0014 | P    | 1.6 |

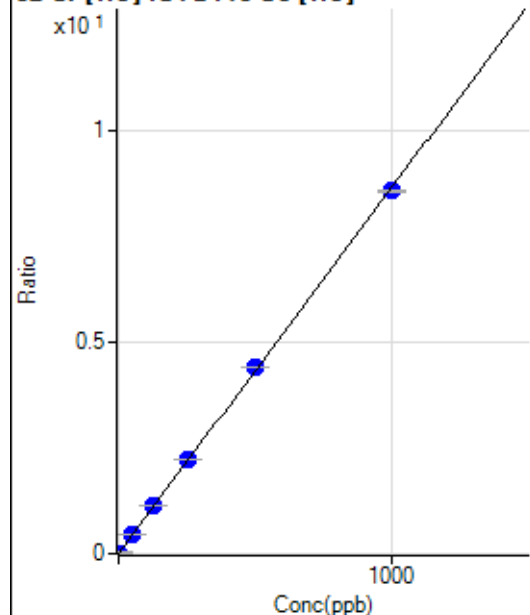
$$y = 0.0072 * x + 9.1229E-006$$

$$R = 1.0000$$

$$DL = 3.097E-06$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1453.42    | 0.0040 | P   | 1.1 |
| 2 | <input type="checkbox"/> | 2.000    | 2.156      | 8331.31    | 0.0226 | P   | 4.3 |
| 3 | <input type="checkbox"/> | 50.000   | 52.037     | 162751.76  | 0.4527 | P   | 0.6 |
| 4 | <input type="checkbox"/> | 125.000  | 129.436    | 389495.25  | 1.1201 | P   | 0.5 |
| 5 | <input type="checkbox"/> | 250.000  | 257.626    | 735651.40  | 2.2254 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 510.994    | 1433447.29 | 4.4101 | P   | 0.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 991.940    | 2777858.50 | 8.5572 | P   | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 14956.54   | 0.0465 | P   | 0.8 |

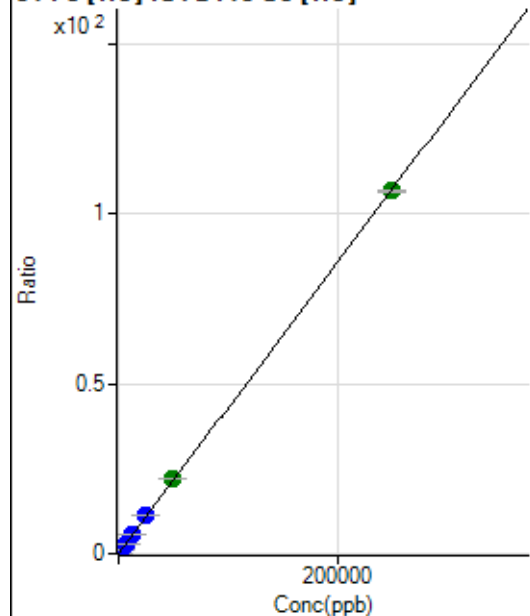
$$y = 0.0086 * x + 0.0040$$

$$R = 0.9999$$

$$DL = 0.01511$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1288.06     | 0.0035   | P   | 13.8 |
| 2 | <input type="checkbox"/> | 50.000    | 54.461     | 9896.85     | 0.0268   | P   | 1.8  |
| 3 | <input type="checkbox"/> | 2500.000  | 2757.022   | 425021.58   | 1.1822   | P   | 0.5  |
| 4 | <input type="checkbox"/> | 6250.000  | 6711.753   | 999000.57   | 2.8728   | P   | 1.0  |
| 5 | <input type="checkbox"/> | 12500.000 | 13232.826  | 1871219.49  | 5.6606   | P   | 0.6  |
| 6 | <input type="checkbox"/> | 25000.000 | 26334.655  | 3660461.84  | 11.2617  | P   | 0.2  |
| 7 | <input type="checkbox"/> | 50000.000 | 51601.317  | 7162246.63  | 22.0634  | A   | 0.9  |
| 8 | <input type="checkbox"/> | 250000.00 | 249495.51  | 34273151.94 | 106.6642 | A   | 0.2  |

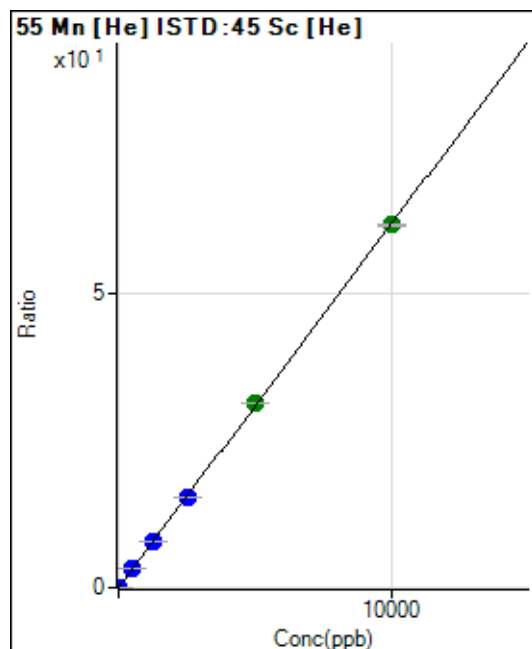
$$y = 4.2751E-004 * x + 0.0035$$

$$R = 1.0000$$

$$DL = 3.416$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 130.00      | 0.0004  | P   | 11.7 |
| 2 | <input type="checkbox"/> | 1.000     | 1.042      | 2513.57     | 0.0068  | P   | 1.3  |
| 3 | <input type="checkbox"/> | 500.000   | 504.386    | 1123575.04  | 3.1252  | P   | 0.2  |
| 4 | <input type="checkbox"/> | 1250.000  | 1248.344   | 2689570.38  | 7.7342  | P   | 0.2  |
| 5 | <input type="checkbox"/> | 2500.000  | 2485.753   | 5090784.23  | 15.4003 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 5000.000  | 5069.885   | 10209237.90 | 31.4096 | A   | 0.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 9968.607   | 20048312.06 | 61.7585 | A   | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 11454.51    | 0.0356  | P   | 1.3  |

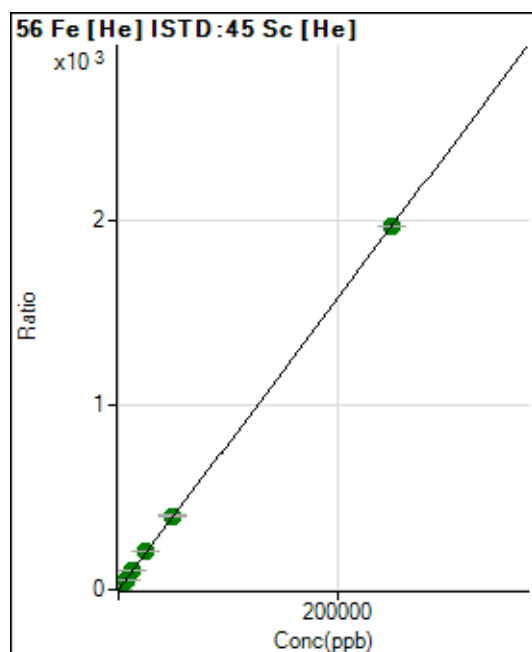
$$y = 0.0062 * x + 3.5616E-004$$

$$R = 1.0000$$

$$DL = 0.02026$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 10870.84    | 0.0298   | P   | 7.7 |
| 2 | <input type="checkbox"/> | 50.000    | 52.471     | 163467.23   | 0.4429   | P   | 0.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2698.829   | 7649389.29  | 21.2760  | A   | 0.7 |
| 4 | <input type="checkbox"/> | 6250.000  | 6533.925   | 17897731.42 | 51.4673  | A   | 0.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 13134.635  | 34191439.19 | 103.4305 | A   | 0.2 |
| 6 | <input type="checkbox"/> | 25000.000 | 26002.333  | 66544899.17 | 204.7298 | A   | 0.9 |
| 7 | <input type="checkbox"/> | 50000.000 | 50896.324  | 130080607.5 | 400.7046 | A   | 0.4 |
| 8 | <input type="checkbox"/> | 250000.00 | 249679.68  | 631584969.6 | 1965.601 | A   | 0.1 |

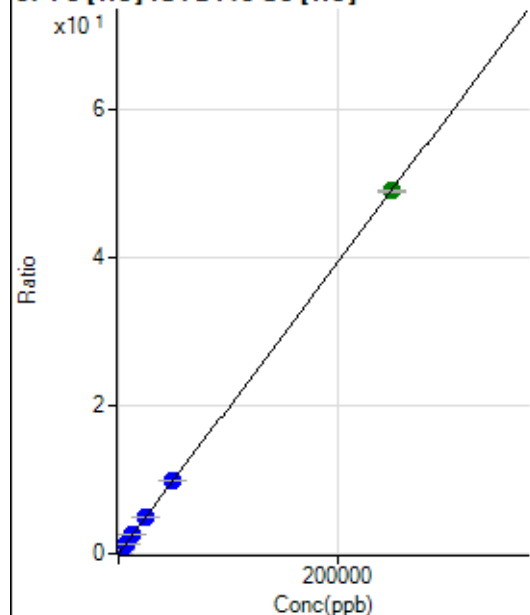
$$y = 0.0079 * x + 0.0298$$

$$R = 1.0000$$

$$DL = 0.8736$$

Weight: <None>

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 340.75      | 0.0009  | P   | 13.9 |
| 2 | <input type="checkbox"/> | 50.000    | 52.052     | 4119.16     | 0.0112  | P   | 3.4  |
| 3 | <input type="checkbox"/> | 2500.000  | 2689.646   | 190312.81   | 0.5293  | P   | 0.6  |
| 4 | <input type="checkbox"/> | 6250.000  | 6461.727   | 441797.15   | 1.2704  | P   | 0.1  |
| 5 | <input type="checkbox"/> | 12500.000 | 12994.885  | 844264.10   | 2.5539  | P   | 0.9  |
| 6 | <input type="checkbox"/> | 25000.000 | 25655.792  | 1638611.81  | 5.0413  | P   | 0.2  |
| 7 | <input type="checkbox"/> | 50000.000 | 49998.735  | 3189090.38  | 9.8238  | P   | 0.3  |
| 8 | <input type="checkbox"/> | 250000.00 | 249902.74  | 15776141.10 | 49.0974 | A   | 0.2  |

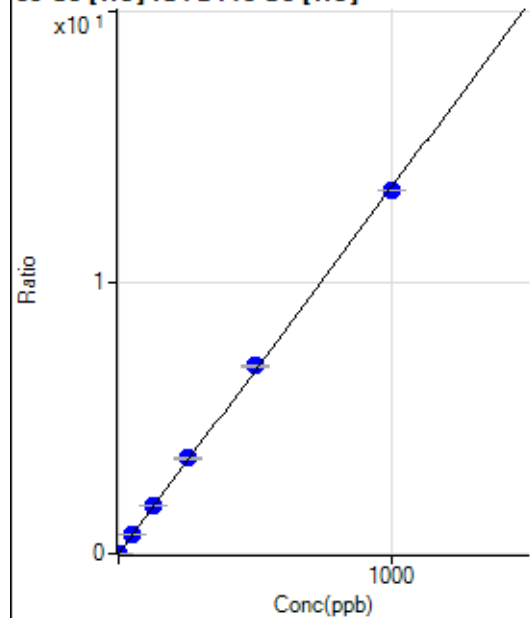
$$y = 1.9646E-004 * x + 9.3355E-004$$

$$R = 1.0000$$

$$DL = 1.982$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 90.00      | 0.0002  | P   | 9.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.090      | 5528.87    | 0.0150  | P   | 0.7 |
| 3 | <input type="checkbox"/> | 50.000   | 53.165     | 258489.56  | 0.7190  | P   | 0.3 |
| 4 | <input type="checkbox"/> | 125.000  | 131.569    | 618584.75  | 1.7789  | P   | 1.0 |
| 5 | <input type="checkbox"/> | 250.000  | 260.648    | 1164855.94 | 3.5239  | P   | 1.1 |
| 6 | <input type="checkbox"/> | 500.000  | 511.985    | 2249778.30 | 6.9216  | P   | 0.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 990.366    | 4346413.44 | 13.3888 | P   | 0.0 |
| 8 | <input type="checkbox"/> |          |            | 6541.51    | 0.0204  | P   | 4.9 |

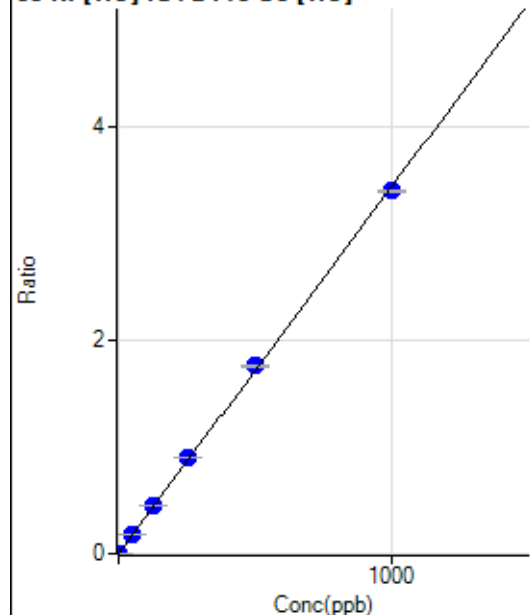
$$y = 0.0135 * x + 2.4655E-004$$

$$R = 0.9998$$

$$DL = 0.005326$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 172.23     | 0.0005 | P   | 12.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.150      | 1633.44    | 0.0044 | P   | 1.8  |
| 3 | <input type="checkbox"/> | 50.000   | 54.274     | 67227.24   | 0.1870 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 132.561    | 158570.39  | 0.4560 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 262.972    | 298891.18  | 0.9042 | P   | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 512.339    | 572426.63  | 1.7611 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.428    | 1103940.29 | 3.4006 | P   | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 4641.89    | 0.0144 | P   | 5.4  |

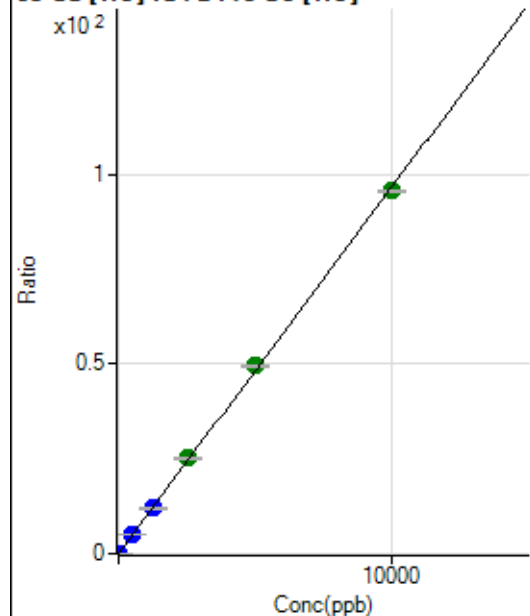
$$y = 0.0034 * x + 4.7186E-004$$

$$R = 0.9998$$

$$DL = 0.05211$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 755.59      | 0.0021  | P   | 10.8 |
| 2 | <input type="checkbox"/> | 2.000     | 1.996      | 7878.85     | 0.0213  | P   | 1.3  |
| 3 | <input type="checkbox"/> | 500.000   | 507.812    | 1763429.19  | 4.9048  | P   | 0.4  |
| 4 | <input type="checkbox"/> | 1250.000  | 1236.100   | 4150681.95  | 11.9362 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2615.102   | 8346500.99  | 25.2499 | A   | 1.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 5128.179   | 16093439.20 | 49.5128 | A   | 0.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 9908.482   | 31055131.76 | 95.6649 | A   | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 8551.45     | 0.0266  | P   | 3.1  |

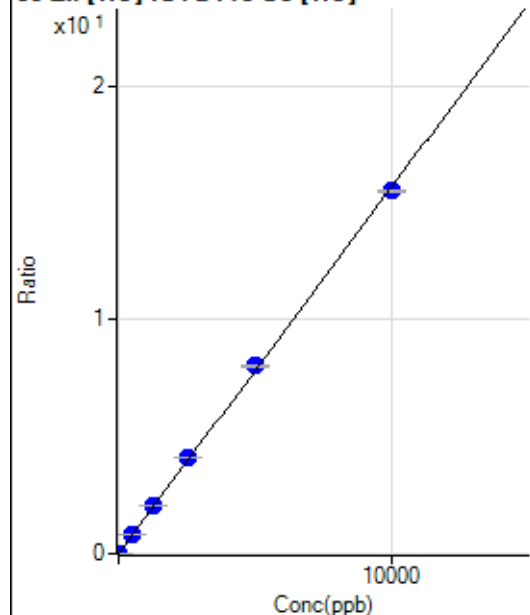
$$y = 0.0097 * x + 0.0021$$

$$R = 0.9998$$

$$DL = 0.06914$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 810.03     | 0.0022  | P    | 7.3 |
| 2 | <input type="checkbox"/> | 2.000     | 2.032      | 1994.60    | 0.0054  | P    | 3.7 |
| 3 | <input type="checkbox"/> | 500.000   | 537.254    | 303411.26  | 0.8439  | P    | 0.4 |
| 4 | <input type="checkbox"/> | 1250.000  | 1321.018   | 720457.72  | 2.0718  | P    | 0.6 |
| 5 | <input type="checkbox"/> | 2500.000  | 2620.760   | 1358002.13 | 4.1081  | P    | 0.4 |
| 6 | <input type="checkbox"/> | 5000.000  | 5116.923   | 2606379.75 | 8.0188  | P    | 0.4 |
| 7 | <input type="checkbox"/> | 10000.000 | 9900.609   | 5036037.71 | 15.5133 | P    | 0.3 |
| 8 | <input type="checkbox"/> |           |            | 9439.78    | 0.0294  | P    | 2.3 |

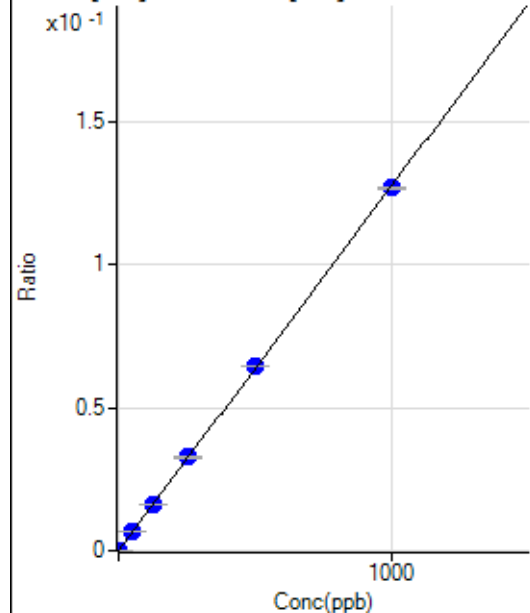
$$y = 0.0016 * x + 0.0022$$

$$R = 0.9998$$

$$DL = 0.3092$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.03      | 0.0000 | P    | 35.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.074      | 376.55    | 0.0001 | P    | 5.8  |
| 3 | <input type="checkbox"/> | 50.000   | 51.847     | 17485.21  | 0.0066 | P    | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 128.472    | 42097.57  | 0.0164 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 256.030    | 80189.94  | 0.0327 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 506.340    | 156260.98 | 0.0646 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.796    | 305716.71 | 0.1269 | P    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 108.64    | 0.0000 | P    | 12.4 |

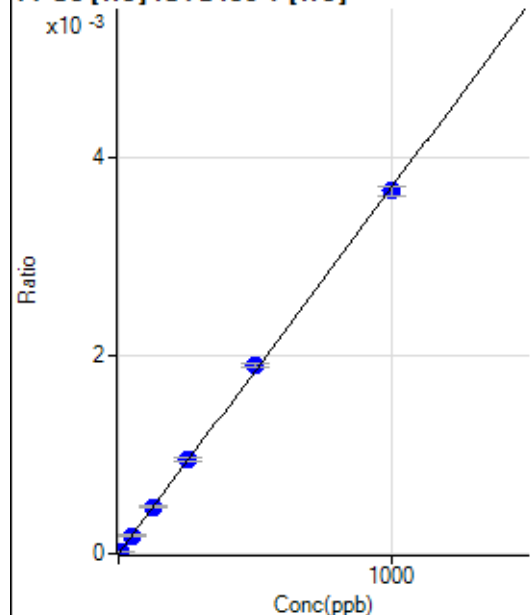
$$y = 1.2754E-004 * x + 3.0189E-006$$

$$R = 0.9999$$

$$DL = 0.02504$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS     | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|---------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00    | 0.0000 | P    |      |
| 2 | <input type="checkbox"/> | 5.000    | 5.820      | 57.78   | 0.0000 | P    | 11.9 |
| 3 | <input type="checkbox"/> | 50.000   | 49.424     | 482.24  | 0.0002 | P    | 4.9  |
| 4 | <input type="checkbox"/> | 125.000  | 128.654    | 1220.06 | 0.0005 | P    | 3.1  |
| 5 | <input type="checkbox"/> | 250.000  | 257.077    | 2330.21 | 0.0009 | P    | 3.5  |
| 6 | <input type="checkbox"/> | 500.000  | 513.472    | 4586.32 | 0.0019 | P    | 2.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.063    | 8817.19 | 0.0037 | P    | 2.5  |
| 8 | <input type="checkbox"/> |          |            | 3.33    | 0.0000 | P    | 0.7  |

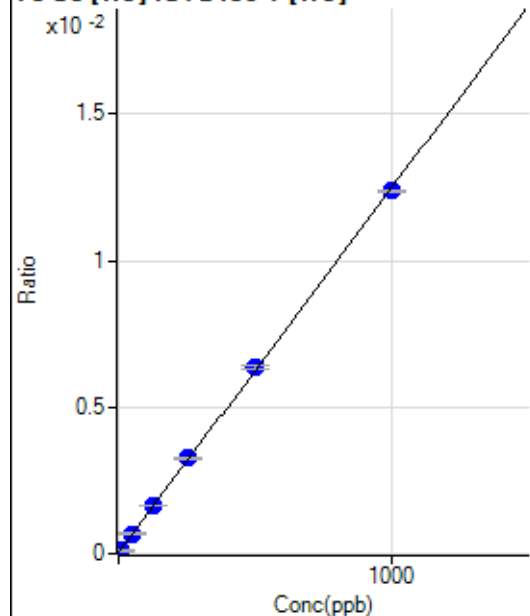
$$y = 3.6916\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9998$$

$$DL = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 96.92    | 0.0000 | P    | 10.8 |
| 2 | <input type="checkbox"/> | 5.000    | 5.100      | 268.52   | 0.0001 | P    | 10.6 |
| 3 | <input type="checkbox"/> | 50.000   | 51.010     | 1772.96  | 0.0007 | P    | 6.9  |
| 4 | <input type="checkbox"/> | 125.000  | 129.748    | 4238.30  | 0.0016 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 250.000  | 258.455    | 7980.61  | 0.0033 | P    | 2.3  |
| 6 | <input type="checkbox"/> | 500.000  | 509.683    | 15423.04 | 0.0064 | P    | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.400    | 29823.10 | 0.0124 | P    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 85.19    | 0.0000 | P    | 17.7 |

$$y = 1.2435\text{E-}005 * x + 3.6448\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.9526$$

Weight: &lt;None&gt;

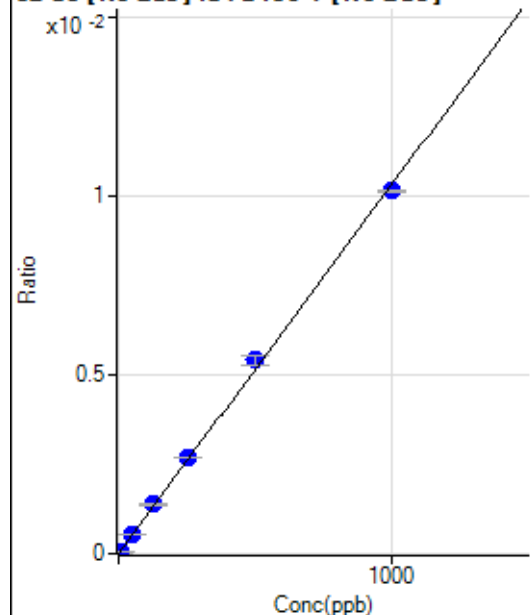
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 6874.02 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> |       |            | 6960.16 |       | P        | 8.4 |
| 3 | <input type="checkbox"/> |       |            | 7296.48 |       | P        | 2.5 |
| 4 | <input type="checkbox"/> |       |            | 7038.01 |       | P        | 2.3 |
| 5 | <input type="checkbox"/> |       |            | 6120.89 |       | P        | 5.2 |
| 6 | <input type="checkbox"/> |       |            | 6087.57 |       | P        | 2.7 |
| 7 | <input type="checkbox"/> |       |            | 6193.17 |       | P        | 3.8 |
| 8 | <input type="checkbox"/> |       |            | 6265.42 |       | P        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 56.72 |       | P        | 53.9 |
| 2 | <input type="checkbox"/> |       |            | 50.05 |       | P        | 40.0 |
| 3 | <input type="checkbox"/> |       |            | 30.03 |       | P        | 33.3 |
| 4 | <input type="checkbox"/> |       |            | 76.74 |       | P        | 52.7 |
| 5 | <input type="checkbox"/> |       |            | 66.73 |       | P        | 37.7 |
| 6 | <input type="checkbox"/> |       |            | 36.70 |       | P        | 41.7 |
| 7 | <input type="checkbox"/> |       |            | 66.73 |       | P        | 17.3 |
| 8 | <input type="checkbox"/> |       |            | 63.40 |       | P        | 24.1 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.87      | 0.0000 | P    | 695. |
| 2 | <input type="checkbox"/> | 5.000    | 5.541      | 713.01    | 0.0001 | P    | 7.2  |
| 3 | <input type="checkbox"/> | 50.000   | 52.767     | 6729.12   | 0.0005 | P    | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 133.185    | 16322.16  | 0.0014 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 250.000  | 261.666    | 31520.85  | 0.0027 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 524.203    | 59077.61  | 0.0054 | P    | 5.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 983.818    | 116276.77 | 0.0101 | P    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | -48.16    | 0.0000 | P    | -95. |

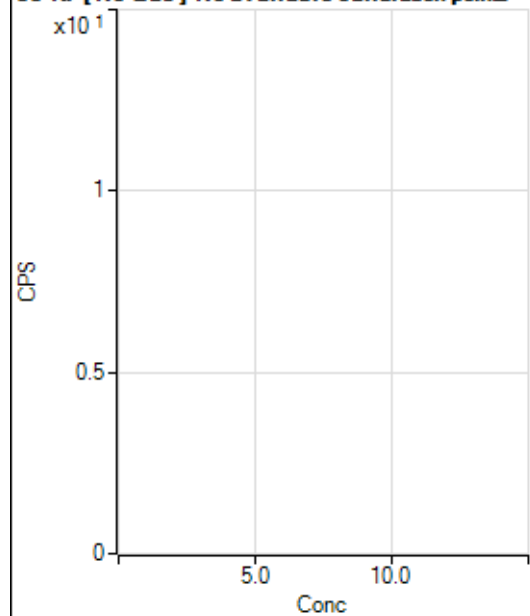
$$y = 1.0292E-005 * x + 5.5820E-007$$

$$R = 0.9995$$

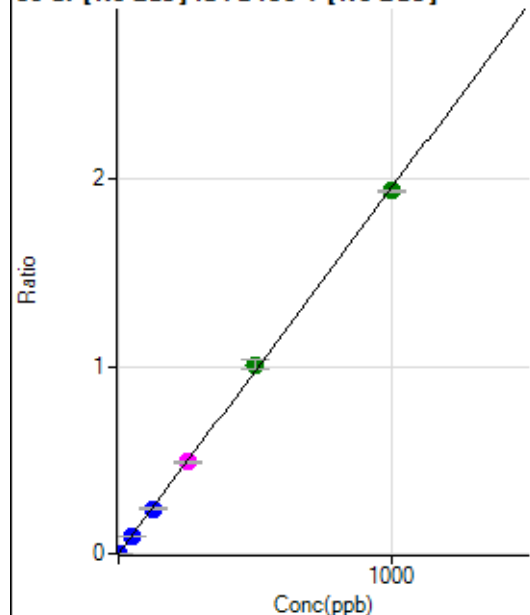
$$DL = 1.131$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|--------|-------|------|-----|
| 1 | <input type="checkbox"/> |       |            | 710.02 |       | P    | 5.4 |
| 2 | <input type="checkbox"/> |       |            | 705.58 |       | P    | 3.5 |
| 3 | <input type="checkbox"/> |       |            | 752.25 |       | P    | 0.9 |
| 4 | <input type="checkbox"/> |       |            | 687.80 |       | P    | 7.9 |
| 5 | <input type="checkbox"/> |       |            | 642.24 |       | P    | 4.7 |
| 6 | <input type="checkbox"/> |       |            | 697.80 |       | P    | 3.4 |
| 7 | <input type="checkbox"/> |       |            | 591.13 |       | P    | 6.8 |
| 8 | <input type="checkbox"/> |       |            | 711.14 |       | P    | 1.4 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1147.30     | 0.0001 | P    | 4.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.098      | 3536.63     | 0.0003 | P    | 5.5 |
| 3 | <input type="checkbox"/> | 50.000   | 49.515     | 1198364.55  | 0.0968 | P    | 0.4 |
| 4 | <input type="checkbox"/> | 125.000  | 123.290    | 2867699.85  | 0.2409 | P    | 1.5 |
| 5 | <input type="checkbox"/> | 250.000  | 251.265    | 5745545.62  | 0.4909 | M    | 1.8 |
| 6 | <input type="checkbox"/> | 500.000  | 515.821    | 11033846.25 | 1.0077 | A    | 5.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 992.012    | 22253084.18 | 1.9379 | A    | 0.5 |
| 8 | <input type="checkbox"/> |          |            | 6148.70     | 0.0006 | P    | 5.1 |

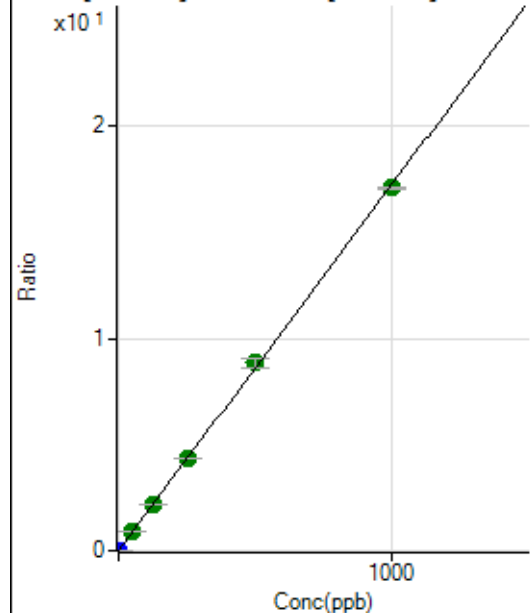
$$y = 0.0020 * x + 9.3540E-005$$

$$R = 0.9998$$

$$DL = 0.006231$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 222.23      | 0.0000  | P    | 15.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.100      | 21469.21    | 0.0017  | P    | 1.8  |
| 3 | <input type="checkbox"/> | 50.000   | 50.740     | 10827352.41 | 0.8748  | A    | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 126.644    | 25987332.18 | 2.1834  | A    | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 252.136    | 50866617.11 | 4.3469  | A    | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 514.359    | 97094587.59 | 8.8676  | A    | 5.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.045    | 196392405.7 | 17.1030 | A    | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 45266.30    | 0.0041  | P    | 1.7  |

$$y = 0.0172 * x + 1.8119E-005$$

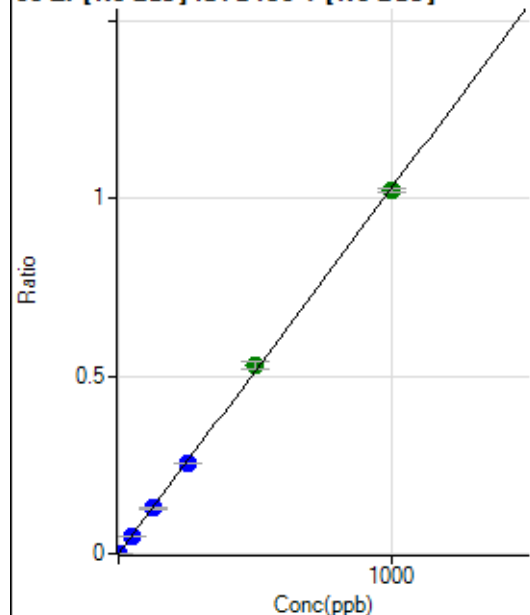
$$R = 0.9998$$

$$DL = 0.0004943$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 822.27      | 0.0001 | P    | 12.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.926      | 12622.52    | 0.0010 | P    | 3.2  |
| 3 | <input type="checkbox"/> | 50.000   | 49.648     | 633026.85   | 0.0511 | P    | 0.5  |
| 4 | <input type="checkbox"/> | 125.000  | 123.928    | 1518350.34  | 0.1276 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 246.122    | 2963603.71  | 0.2533 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 516.588    | 5820764.15  | 0.5315 | A    | 4.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.827    | 11729222.48 | 1.0215 | A    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 2461.40     | 0.0002 | P    | 2.8  |

$$y = 0.0010 * x + 6.7049E-005$$

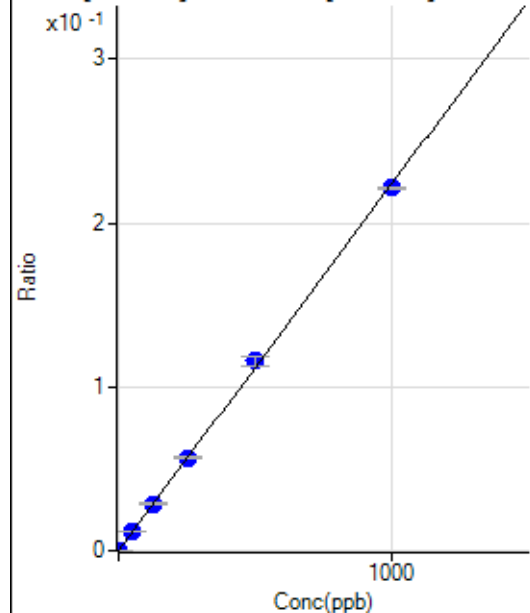
$$R = 0.9998$$

$$DL = 0.02427$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 172.23     | 0.0000 | P    | 34.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.921      | 2722.56    | 0.0002 | P    | 4.6  |
| 3 | <input type="checkbox"/> | 50.000   | 51.238     | 142002.66  | 0.0115 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 128.475    | 342178.41  | 0.0287 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 253.199    | 662749.14  | 0.0566 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 517.103    | 1266522.87 | 0.1157 | P    | 4.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.153    | 2542966.38 | 0.2215 | P    | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 519.47     | 0.0000 | P    | 10.8 |

$$y = 2.2364E-004 * x + 1.4038E-005$$

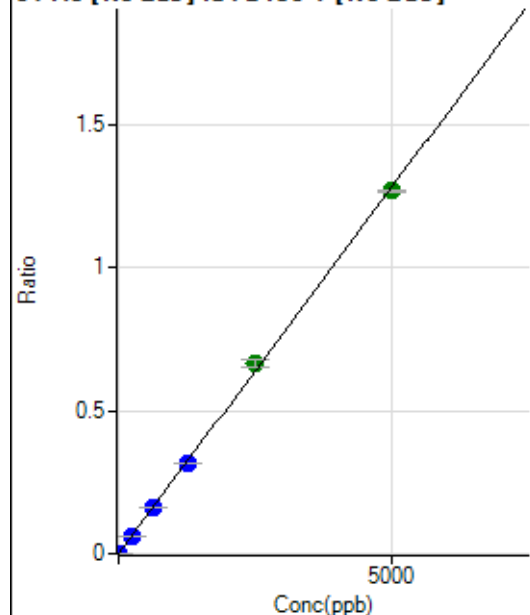
$$R = 0.9998$$

$$DL = 0.06568$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 269.46      | 0.0000 | P    | 27.9 |
| 2 | <input type="checkbox"/> | 5.000    | 4.894      | 15764.66    | 0.0013 | P    | 1.5  |
| 3 | <input type="checkbox"/> | 250.000  | 247.408    | 783381.40   | 0.0633 | P    | 0.3  |
| 4 | <input type="checkbox"/> | 625.000  | 622.992    | 1896451.36  | 0.1593 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1228.426   | 3676142.36  | 0.3142 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2600.783   | 7283095.83  | 0.6651 | A    | 4.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 4955.383   | 14551704.32 | 1.2673 | A    | 0.2  |
| 8 | <input type="checkbox"/> |          |            | 3964.54     | 0.0004 | P    | 11.6 |

$$y = 2.5573E-004 * x + 2.1959E-005$$

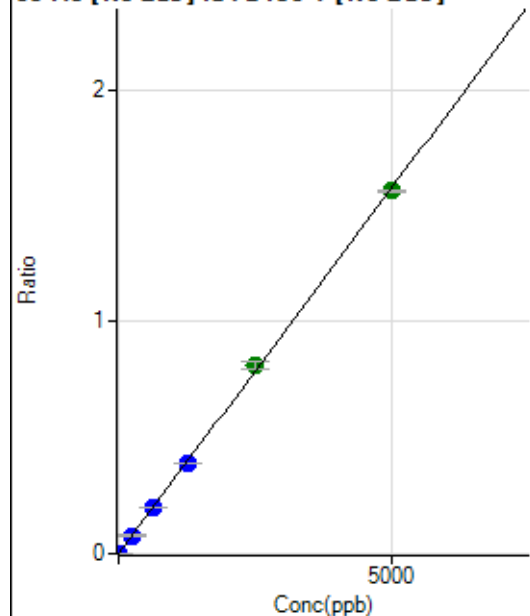
$$R = 0.9997$$

$$DL = 0.07179$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 16.67       | 0.0000 | P    | 0.3 |
| 2 | <input type="checkbox"/> | 5.000    | 4.897      | 19102.12    | 0.0015 | P    | 1.6 |
| 3 | <input type="checkbox"/> | 250.000  | 249.295    | 971520.06   | 0.0785 | P    | 0.8 |
| 4 | <input type="checkbox"/> | 625.000  | 627.285    | 2350596.34  | 0.1975 | P    | 2.0 |
| 5 | <input type="checkbox"/> | 1250.000 | 1230.014   | 4531606.35  | 0.3873 | P    | 0.8 |
| 6 | <input type="checkbox"/> | 2500.000 | 2581.275   | 8899874.94  | 0.8127 | A    | 4.6 |
| 7 | <input type="checkbox"/> | 5000.000 | 4964.109   | 17947150.05 | 1.5629 | A    | 0.2 |
| 8 | <input type="checkbox"/> |          |            | 5798.56     | 0.0005 | P    | 5.5 |

$$y = 3.1485E-004 * x + 1.3591E-006$$

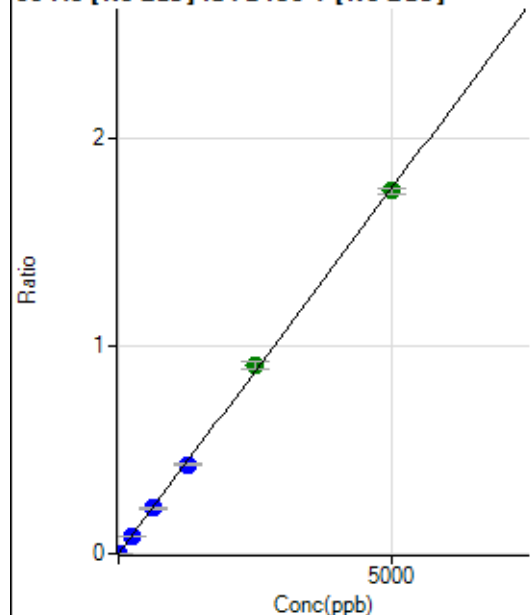
$$R = 0.9998$$

$$DL = 3.376E-05$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 113.89      | 0.0000 | P    | 15.1 |
| 2 | <input type="checkbox"/> | 5.000    | 4.911      | 21538.89    | 0.0017 | P    | 1.3  |
| 3 | <input type="checkbox"/> | 250.000  | 248.560    | 1084225.89  | 0.0876 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 625.000  | 623.873    | 2616666.98  | 0.2199 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 1250.000 | 1222.792   | 5042162.66  | 0.4309 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2579.136   | 9952270.97  | 0.9089 | A    | 4.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4967.447   | 20100107.74 | 1.7505 | A    | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 7146.40     | 0.0007 | P    | 2.8  |

$$y = 3.5239\text{E-}004 * x + 9.2846\text{E-}006$$

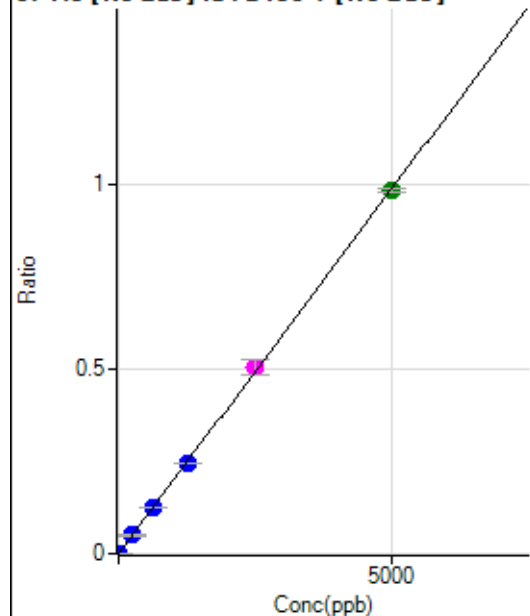
$$R = 0.9998$$

$$DL = 0.01196$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 22.22       | 0.0000 | P    | 43.1 |
| 2 | <input type="checkbox"/> | 5.000    | 4.887      | 11958.09    | 0.0010 | P    | 2.2  |
| 3 | <input type="checkbox"/> | 250.000  | 251.148    | 613400.50   | 0.0496 | P    | 0.8  |
| 4 | <input type="checkbox"/> | 625.000  | 629.107    | 1477467.50  | 0.1241 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 1250.000 | 1234.413   | 2850243.05  | 0.2436 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2552.708   | 5510752.64  | 0.5037 | M    | 8.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 4976.972   | 11276726.82 | 0.9821 | A    | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 3650.56     | 0.0003 | P    | 2.0  |

$$y = 1.9732\text{E-}004 * x + 1.8111\text{E-}006$$

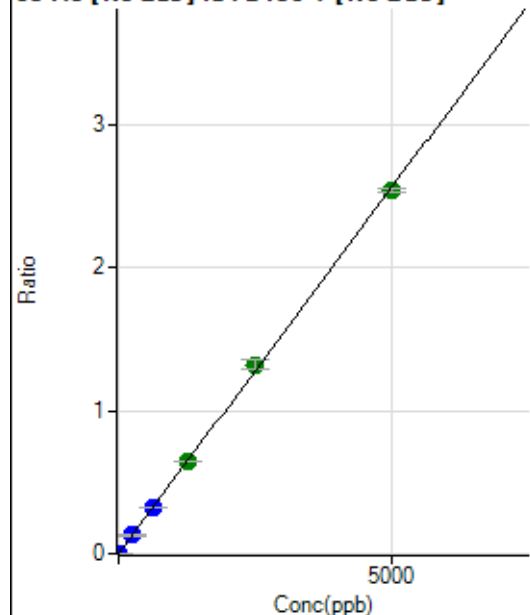
$$R = 0.9999$$

$$DL = 0.01187$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 38.89       | 0.0000 | P    | 49.3 |
| 2 | <input type="checkbox"/> | 5.000    | 4.917      | 31184.58    | 0.0025 | P    | 1.1  |
| 3 | <input type="checkbox"/> | 250.000  | 250.070    | 1584007.97  | 0.1280 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 625.000  | 626.365    | 3815225.61  | 0.3205 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 1250.000 | 1261.718   | 7555229.51  | 0.6457 | A    | 1.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2579.178   | 14452374.63 | 1.3199 | A    | 5.1  |
| 7 | <input type="checkbox"/> | 5000.000 | 4957.307   | 29131198.57 | 2.5369 | A    | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 8841.87     | 0.0008 | P    | 2.2  |

$$y = 5.1176\text{E-}004 * x + 3.1679\text{E-}006$$

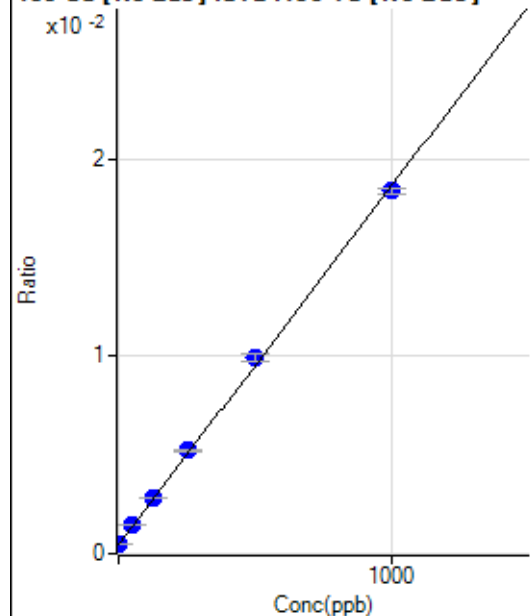
$$R = 0.9998$$

$$DL = 0.009162$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5320.59   | 0.0004 | P    | 1.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.191      | 5642.95   | 0.0005 | P    | 8.2 |
| 3 | <input type="checkbox"/> | 50.000   | 55.527     | 17853.25  | 0.0015 | P    | 0.7 |
| 4 | <input type="checkbox"/> | 125.000  | 131.626    | 34447.88  | 0.0028 | P    | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 262.405    | 62524.00  | 0.0052 | P    | 2.4 |
| 6 | <input type="checkbox"/> | 500.000  | 519.530    | 114981.40 | 0.0099 | P    | 4.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 986.029    | 219550.03 | 0.0184 | P    | 1.3 |
| 8 | <input type="checkbox"/> |          |            | 5087.15   | 0.0004 | P    | 1.6 |

$$y = 1.8177\text{E-}005 * x + 4.4235\text{E-}004$$

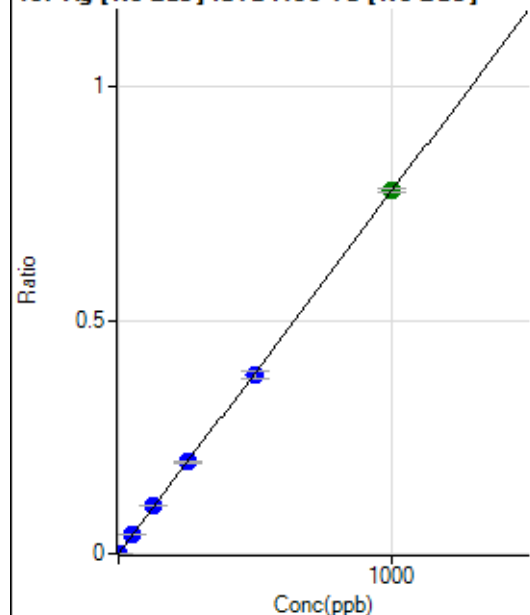
$$R = 0.9996$$

$$DL = 0.9336$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 69.45      | 0.0000 | P    | 49.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.042      | 9917.60    | 0.0008 | P    | 2.6  |
| 3 | <input type="checkbox"/> | 50.000   | 53.241     | 508805.75  | 0.0414 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 131.046    | 1237230.25 | 0.1018 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 254.046    | 2367866.50 | 0.1974 | P    | 1.6  |
| 6 | <input type="checkbox"/> | 500.000  | 493.809    | 4462039.29 | 0.3837 | P    | 4.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.166   | 9298838.05 | 0.7779 | A    | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 2272.47    | 0.0002 | P    | 3.9  |

$$y = 7.7694E-004 * x + 5.7654E-006$$

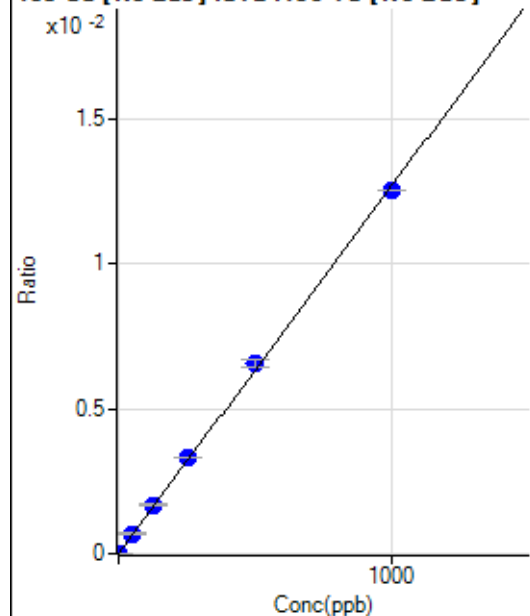
$$R = 0.9999$$

$$DL = 0.01102$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 33.33     | 0.0000 | P    | 25.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.215      | 220.84    | 0.0000 | P    | 19.4 |
| 3 | <input type="checkbox"/> | 50.000   | 54.275     | 8497.07   | 0.0007 | P    | 3.3  |
| 4 | <input type="checkbox"/> | 125.000  | 132.851    | 20499.68  | 0.0017 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 261.240    | 39766.63  | 0.0033 | P    | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 517.673    | 76371.78  | 0.0066 | P    | 4.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 987.158    | 149656.49 | 0.0125 | P    | 0.1  |
| 8 | <input type="checkbox"/> |          |            | 81.94     | 0.0000 | P    | 25.0 |

$$y = 1.2679E-005 * x + 2.7728E-006$$

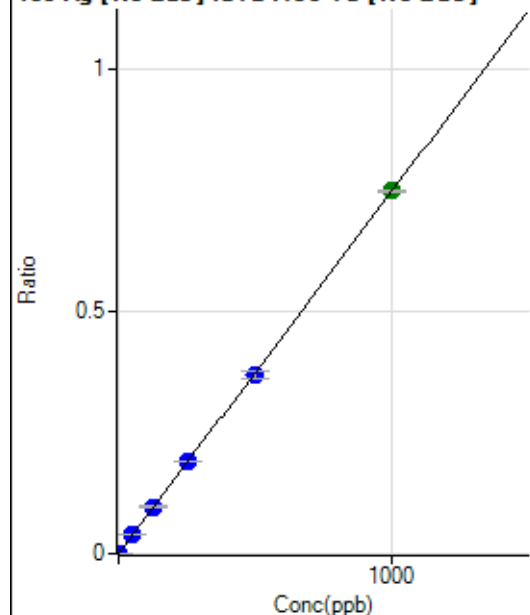
$$R = 0.9997$$

$$DL = 0.1659$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 33.33      | 0.0000 | P    | 50.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.065      | 9706.36    | 0.0008 | P    | 4.3  |
| 3 | <input type="checkbox"/> | 50.000   | 53.125     | 487706.95  | 0.0397 | P    | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 129.743    | 1176761.44 | 0.0968 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 254.669    | 2280437.81 | 0.1901 | P    | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 491.913    | 4270025.10 | 0.3672 | P    | 4.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.127   | 8942009.31 | 0.7480 | A    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 2036.32    | 0.0002 | P    | 6.1  |

$$y = 7.4641\text{E-}004 * x + 2.7721\text{E-}006$$

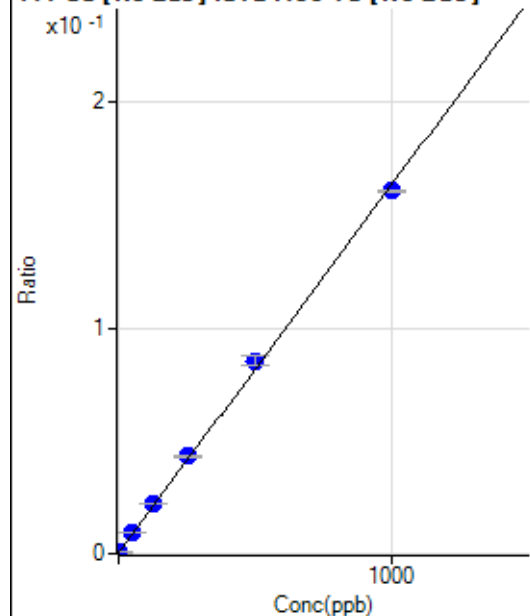
$$R = 0.9999$$

$$DL = 0.005592$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3726.08    | 0.0003 | P    | 1.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.137      | 6020.69    | 0.0005 | P    | 5.7 |
| 3 | <input type="checkbox"/> | 50.000   | 54.955     | 113863.29  | 0.0093 | P    | 0.3 |
| 4 | <input type="checkbox"/> | 125.000  | 135.036    | 270945.02  | 0.0223 | P    | 1.4 |
| 5 | <input type="checkbox"/> | 250.000  | 263.403    | 518252.49  | 0.0432 | P    | 1.3 |
| 6 | <input type="checkbox"/> | 500.000  | 521.892    | 991722.01  | 0.0853 | P    | 5.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 984.201    | 1919565.12 | 0.1606 | P    | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 3805.04    | 0.0003 | P    | 1.4 |

$$y = 1.6283\text{E-}004 * x + 3.0978\text{E-}004$$

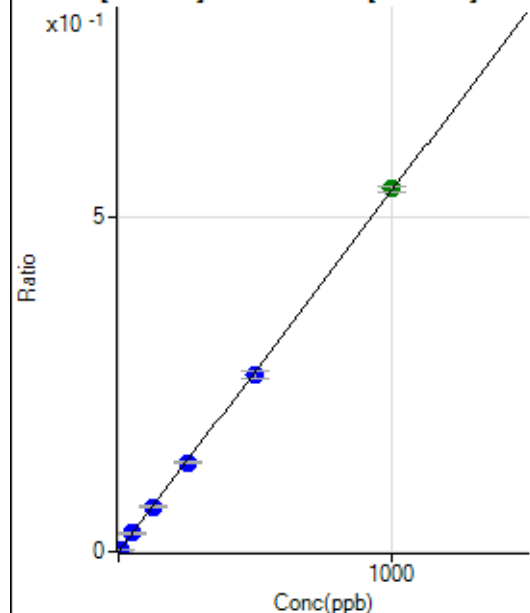
$$R = 0.9995$$

$$DL = 0.0618$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 877.83     | 0.0001 | P    | 10.2 |
| 2 | <input type="checkbox"/> | 5.000    | 4.984      | 33640.55   | 0.0028 | P    | 1.4  |
| 3 | <input type="checkbox"/> | 50.000   | 50.607     | 337102.02  | 0.0274 | P    | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 124.664    | 819157.62  | 0.0674 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 246.413    | 1597665.15 | 0.1332 | P    | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 489.257    | 3074235.55 | 0.2644 | P    | 4.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.280   | 6498926.40 | 0.5436 | A    | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 2850.36    | 0.0002 | P    | 8.5  |

$$y = 5.4018\text{E-}004 * x + 7.2970\text{E-}005$$

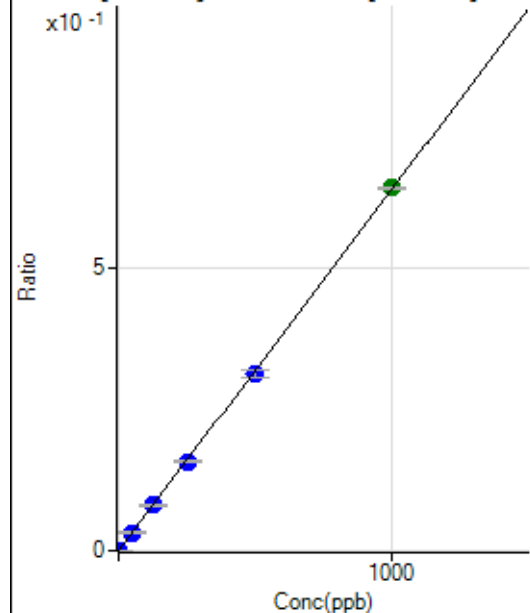
$$R = 0.9999$$

$$DL = 0.04129$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 94.45      | 0.0000 | P    | 22.4 |
| 2 | <input type="checkbox"/> | 2.000    | 2.022      | 15845.40   | 0.0013 | P    | 0.6  |
| 3 | <input type="checkbox"/> | 50.000   | 50.584     | 398445.03  | 0.0324 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 125.433    | 976028.45  | 0.0803 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 246.442    | 1893197.76 | 0.1578 | P    | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 491.350    | 3658999.56 | 0.3146 | P    | 4.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1005.131   | 7694271.09 | 0.6436 | A    | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 5298.35    | 0.0005 | P    | 5.0  |

$$y = 6.4032\text{E-}004 * x + 7.8538\text{E-}006$$

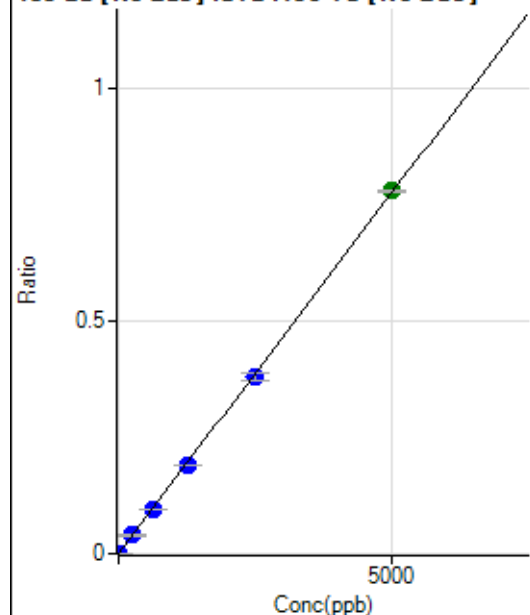
$$R = 0.9999$$

$$DL = 0.00824$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 33.33      | 0.0000 | P    | 50.2 |
| 2 | <input type="checkbox"/> | 10.000   | 10.172     | 19171.90   | 0.0016 | P    | 2.9  |
| 3 | <input type="checkbox"/> | 250.000  | 254.325    | 483826.80  | 0.0393 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 625.000  | 622.502    | 1170010.66 | 0.0963 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1229.071   | 2280585.12 | 0.1901 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2443.071   | 4394706.74 | 0.3779 | P    | 4.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 5033.793   | 9307956.63 | 0.7786 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 2566.97    | 0.0002 | P    | 7.7  |

$$y = 1.5467E-004 * x + 2.7721E-006$$

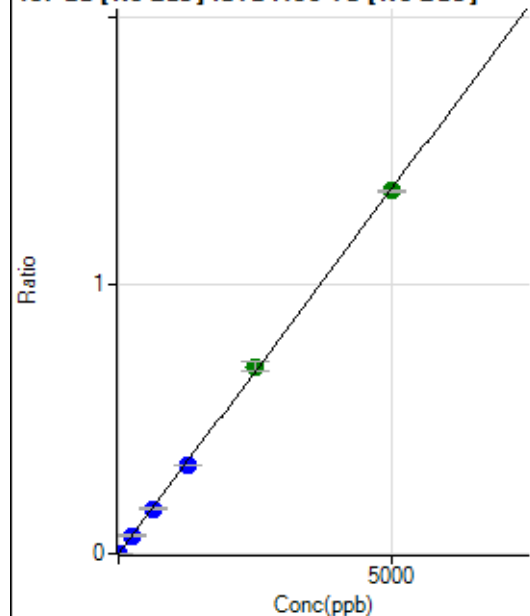
$$R = 0.9999$$

$$DL = 0.02699$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 41.67       | 0.0000 | P    | 0.4 |
| 2 | <input type="checkbox"/> | 10.000   | 10.078     | 33351.62    | 0.0027 | P    | 0.9 |
| 3 | <input type="checkbox"/> | 250.000  | 250.148    | 835786.82   | 0.0680 | P    | 0.4 |
| 4 | <input type="checkbox"/> | 625.000  | 617.380    | 2037907.77  | 0.1677 | P    | 1.3 |
| 5 | <input type="checkbox"/> | 1250.000 | 1215.225   | 3960383.68  | 0.3301 | P    | 1.3 |
| 6 | <input type="checkbox"/> | 2500.000 | 2570.046   | 8119111.38  | 0.6982 | A    | 4.6 |
| 7 | <input type="checkbox"/> | 5000.000 | 4974.616   | 16155707.65 | 1.3514 | A    | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 4264.66     | 0.0004 | P    | 2.7 |

$$y = 2.7166E-004 * x + 3.4644E-006$$

$$R = 0.9998$$

$$DL = 0.000167$$

Weight: &lt;None&gt;

Min Conc: 0

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

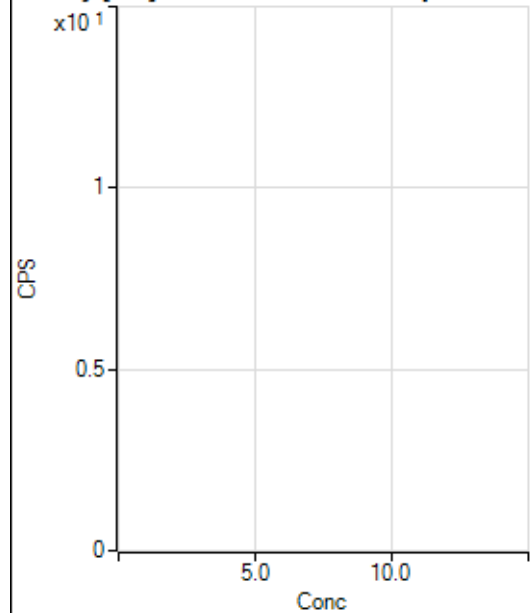
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 66.1 |
| 4 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 15.6 |
| 5 | <input type="checkbox"/> |       |            | 171.12 |       | P        | 2.3  |
| 6 | <input type="checkbox"/> |       |            | 415.57 |       | P        | 9.8  |
| 7 | <input type="checkbox"/> |       |            | 788.93 |       | P        | 13.2 |
| 8 | <input type="checkbox"/> |       |            | 31.11  |       | P        | 53.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 0.00   |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 41.7 |
| 4 | <input type="checkbox"/> |       |            | 23.33  |       | P        | 14.3 |
| 5 | <input type="checkbox"/> |       |            | 34.44  |       | P        | 5.6  |
| 6 | <input type="checkbox"/> |       |            | 54.44  |       | P        | 17.7 |
| 7 | <input type="checkbox"/> |       |            | 125.56 |       | P        | 23.8 |
| 8 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 78.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 11.11   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 0.00    |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 41.67   |       | P        | 80.0 |
| 4 | <input type="checkbox"/> |       |            | 125.01  |       | P        | 54.6 |
| 5 | <input type="checkbox"/> |       |            | 200.01  |       | P        | 21.6 |
| 6 | <input type="checkbox"/> |       |            | 297.23  |       | P        | 23.8 |
| 7 | <input type="checkbox"/> |       |            | 705.59  |       | P        | 10.7 |
| 8 | <input type="checkbox"/> |       |            | 1405.66 |       | P        | 4.6  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 36.67  |       | P        | 27.3 |
| 4 | <input type="checkbox"/> |       |            | 57.78  |       | P        | 12.0 |
| 5 | <input type="checkbox"/> |       |            | 124.45 |       | P        | 10.8 |
| 6 | <input type="checkbox"/> |       |            | 210.01 |       | P        | 9.9  |
| 7 | <input type="checkbox"/> |       |            | 432.23 |       | P        | 9.6  |
| 8 | <input type="checkbox"/> |       |            | 901.15 |       | P        | 4.3  |

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

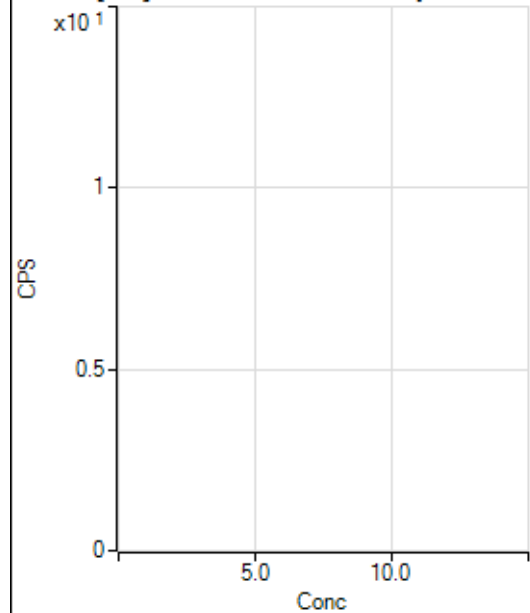
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 66.67   |       | P        | 43.3 |
| 2 | <input type="checkbox"/> |       |            | 75.00   |       | P        | 11.1 |
| 3 | <input type="checkbox"/> |       |            | 88.89   |       | P        | 14.3 |
| 4 | <input type="checkbox"/> |       |            | 116.67  |       | P        | 18.9 |
| 5 | <input type="checkbox"/> |       |            | 227.79  |       | P        | 40.5 |
| 6 | <input type="checkbox"/> |       |            | 316.68  |       | P        | 2.6  |
| 7 | <input type="checkbox"/> |       |            | 641.70  |       | P        | 4.7  |
| 8 | <input type="checkbox"/> |       |            | 1561.24 |       | P        | 4.0  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 142.23  |       | P        | 9.8  |
| 2 | <input type="checkbox"/> |       |            | 144.45  |       | P        | 4.8  |
| 3 | <input type="checkbox"/> |       |            | 155.56  |       | P        | 6.5  |
| 4 | <input type="checkbox"/> |       |            | 173.34  |       | P        | 13.5 |
| 5 | <input type="checkbox"/> |       |            | 217.78  |       | P        | 10.9 |
| 6 | <input type="checkbox"/> |       |            | 272.23  |       | P        | 8.7  |
| 7 | <input type="checkbox"/> |       |            | 442.24  |       | P        | 6.8  |
| 8 | <input type="checkbox"/> |       |            | 1146.73 |       | P        | 5.2  |

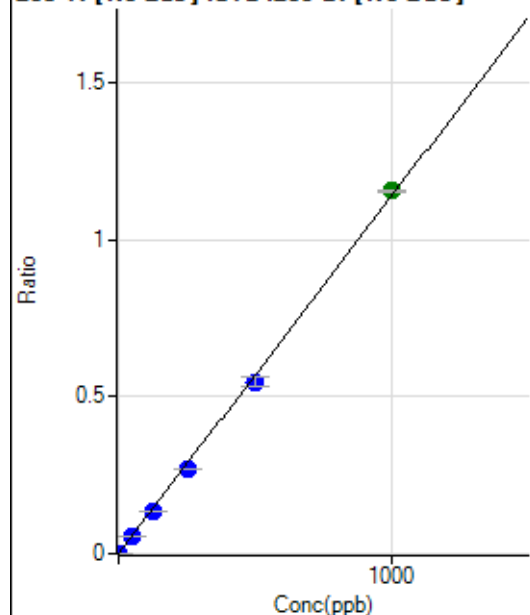
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 72.22  |       | P        | 17.6 |
| 2 | <input type="checkbox"/> |       |            | 94.45  |       | P        | 28.4 |
| 3 | <input type="checkbox"/> |       |            | 83.34  |       | P        | 30.0 |
| 4 | <input type="checkbox"/> |       |            | 86.12  |       | P        | 24.4 |
| 5 | <input type="checkbox"/> |       |            | 83.33  |       | P        | 52.9 |
| 6 | <input type="checkbox"/> |       |            | 97.22  |       | P        | 4.9  |
| 7 | <input type="checkbox"/> |       |            | 144.45 |       | P        | 6.7  |
| 8 | <input type="checkbox"/> |       |            | 238.90 |       | P        | 11.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 57.78  |       | P        | 37.5 |
| 2 | <input type="checkbox"/> |       |            | 43.33  |       | P        | NaN  |
| 3 | <input type="checkbox"/> |       |            | 31.11  |       | P        | 44.6 |
| 4 | <input type="checkbox"/> |       |            | 54.44  |       | P        | 14.1 |
| 5 | <input type="checkbox"/> |       |            | 64.44  |       | P        | 34.4 |
| 6 | <input type="checkbox"/> |       |            | 68.89  |       | P        | 14.8 |
| 7 | <input type="checkbox"/> |       |            | 111.11 |       | P        | 31.2 |
| 8 | <input type="checkbox"/> |       |            | 172.23 |       | P        | 19.6 |

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 302.79     | 0.0000 | P    | 33.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.955      | 9467.50    | 0.0011 | P    | 1.7  |
| 3 | <input type="checkbox"/> | 50.000   | 47.777     | 459739.87  | 0.0544 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 119.293    | 1137301.41 | 0.1358 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 236.152    | 2229268.17 | 0.2687 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 479.087    | 4348248.71 | 0.5452 | P    | 5.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1014.743   | 9350099.34 | 1.1547 | A    | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 1783.50    | 0.0002 | P    | 11.7 |

$$y = 0.0011 * x + 3.6302E-005$$

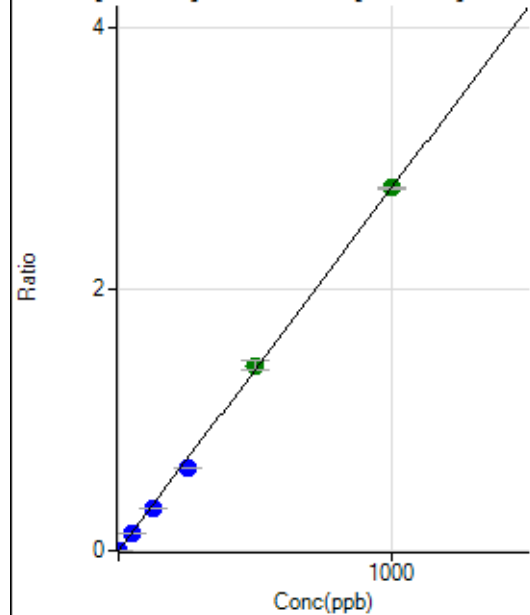
$$R = 0.9996$$

$$DL = 0.03229$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 775.04      | 0.0001 | P    | 7.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.938      | 22700.42    | 0.0027 | P    | 2.6 |
| 3 | <input type="checkbox"/> | 50.000   | 46.393     | 1087430.57  | 0.1287 | P    | 0.8 |
| 4 | <input type="checkbox"/> | 125.000  | 116.399    | 2703143.79  | 0.3227 | P    | 1.3 |
| 5 | <input type="checkbox"/> | 250.000  | 229.876    | 5286143.31  | 0.6372 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 511.410    | 11309033.85 | 1.4176 | A    | 4.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.582   | 22457714.39 | 2.7734 | A    | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 4409.19     | 0.0006 | P    | 8.0 |

$$y = 0.0028 * x + 9.3156E-005$$

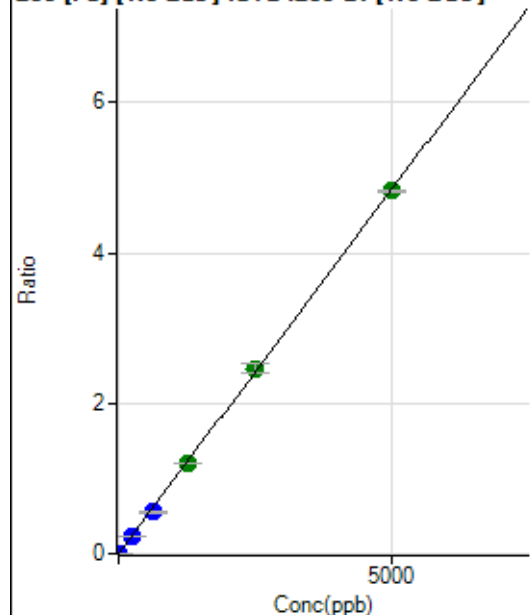
$$R = 0.9997$$

$$DL = 0.007221$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1583.46     | 0.0002 | P   | 9.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.042      | 10105.83    | 0.0012 | P   | 2.0 |
| 3 | <input type="checkbox"/> | 250.000  | 227.206    | 1859261.60  | 0.2200 | P   | 0.6 |
| 4 | <input type="checkbox"/> | 625.000  | 568.154    | 4605932.05  | 0.5499 | P   | 1.2 |
| 5 | <input type="checkbox"/> | 1250.000 | 1249.723   | 10031749.07 | 1.2093 | A   | 0.3 |
| 6 | <input type="checkbox"/> | 2500.000 | 2547.522   | 19664904.84 | 2.4649 | A   | 4.5 |
| 7 | <input type="checkbox"/> | 5000.000 | 4984.554   | 39052225.41 | 4.8227 | A   | 0.6 |
| 8 | <input type="checkbox"/> |          |            | 22189.07    | 0.0030 | P   | 3.1 |

$$y = 9.6750E-004 * x + 1.9048E-004$$

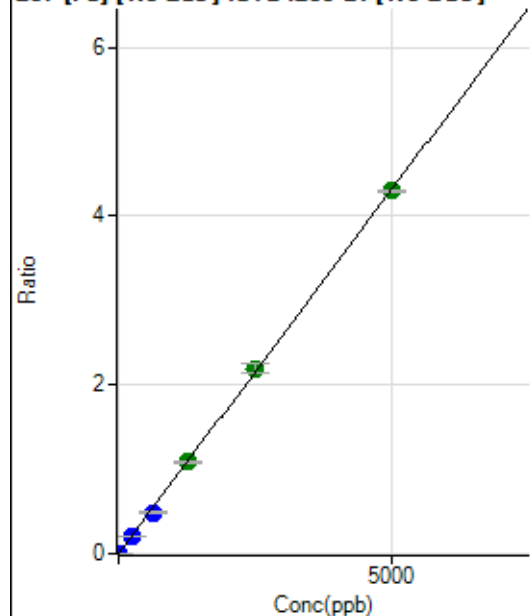
$$R = 0.9999$$

$$DL = 0.05361$$

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  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1331.58     | 0.0002 | P   | 9.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.043      | 8927.21     | 0.0011 | P   | 1.6 |
| 3 | <input type="checkbox"/> | 250.000  | 226.281    | 1649400.88  | 0.1952 | P   | 0.9 |
| 4 | <input type="checkbox"/> | 625.000  | 567.199    | 4096082.93  | 0.4890 | P   | 0.9 |
| 5 | <input type="checkbox"/> | 1250.000 | 1257.762   | 8993615.71  | 1.0842 | A   | 0.5 |
| 6 | <input type="checkbox"/> | 2500.000 | 2542.222   | 17476842.52 | 2.1912 | A   | 5.3 |
| 7 | <input type="checkbox"/> | 5000.000 | 4985.360   | 34793525.55 | 4.2968 | A   | 0.3 |
| 8 | <input type="checkbox"/> |          |            | 19675.86    | 0.0027 | P   | 2.3 |

$$y = 8.6184E-004 * x + 1.5995E-004$$

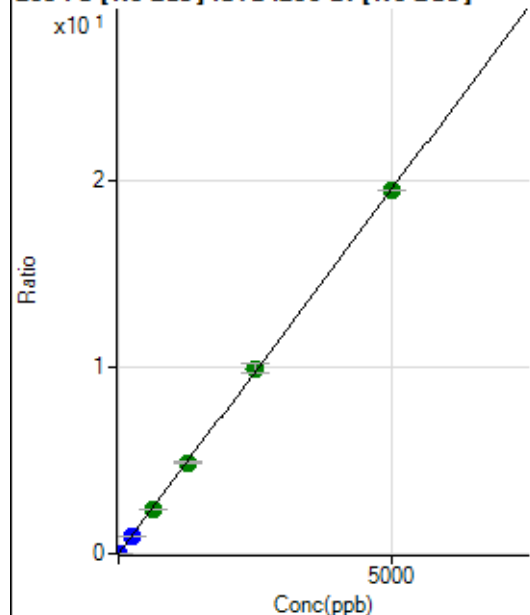
$$R = 0.9999$$

$$DL = 0.05284$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6221.06     | 0.0007  | P    | 1.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.049      | 40925.35    | 0.0049  | P    | 1.0 |
| 3 | <input type="checkbox"/> | 250.000  | 226.942    | 7512917.74  | 0.8890  | P    | 0.5 |
| 4 | <input type="checkbox"/> | 625.000  | 598.458    | 19627358.86 | 2.3432  | A    | 1.1 |
| 5 | <input type="checkbox"/> | 1250.000 | 1252.877   | 40685901.14 | 4.9046  | A    | 0.3 |
| 6 | <input type="checkbox"/> | 2500.000 | 2545.680   | 79486136.73 | 9.9648  | A    | 5.1 |
| 7 | <input type="checkbox"/> | 5000.000 | 4980.911   | 157876502.8 | 19.4965 | A    | 0.1 |
| 8 | <input type="checkbox"/> |          |            | 89397.74    | 0.0122  | P    | 2.2 |

$$y = 0.0039 * x + 7.4783E-004$$

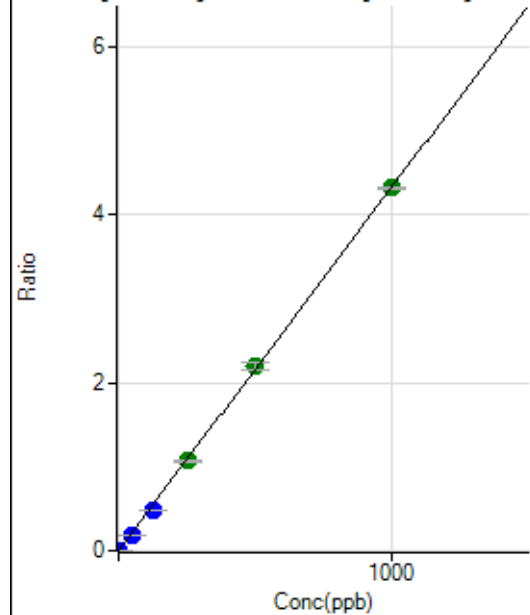
$$R = 0.9999$$

$$DL = 0.009421$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 116.67      | 0.0000 | P    | 28.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.000      | 129.63      | 0.0000 | P    | 2.2  |
| 3 | <input type="checkbox"/> | 50.000   | 43.985     | 1608778.28  | 0.1904 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 111.557    | 4044414.09  | 0.4828 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 246.757    | 8858496.96  | 1.0679 | A    | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 507.524    | 17522428.17 | 2.1965 | A    | 4.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.031    | 35011455.65 | 4.3236 | A    | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 2161.33     | 0.0003 | P    | 10.3 |

$$y = 0.0043 * x + 1.3996E-005$$

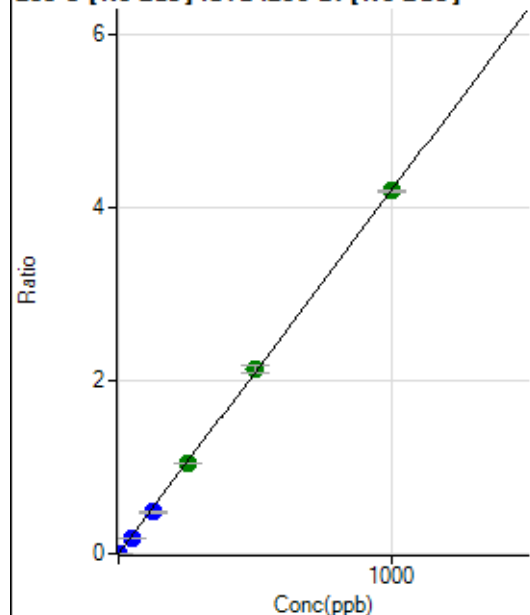
$$R = 0.9999$$

$$DL = 0.002766$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 22.22       | 0.0000 | P    | 76.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.878      | 31132.20    | 0.0037 | P    | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 44.825     | 1592043.06  | 0.1884 | P    | 0.2  |
| 4 | <input type="checkbox"/> | 125.000  | 114.064    | 4015629.30  | 0.4794 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 250.000  | 247.238    | 8619446.11  | 1.0391 | A    | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 507.242    | 17007866.70 | 2.1318 | A    | 4.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.695    | 33987298.33 | 4.1972 | A    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 3308.84     | 0.0005 | P    | 4.3  |

$$y = 0.0042 * x + 2.6543E-006$$

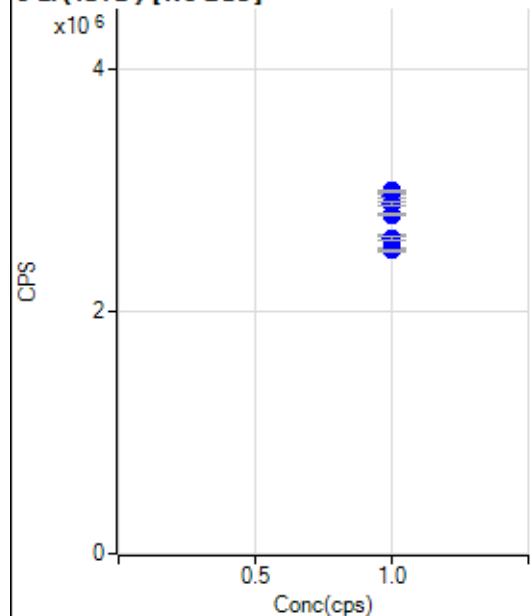
$$R = 0.9999$$

$$DL = 0.001457$$

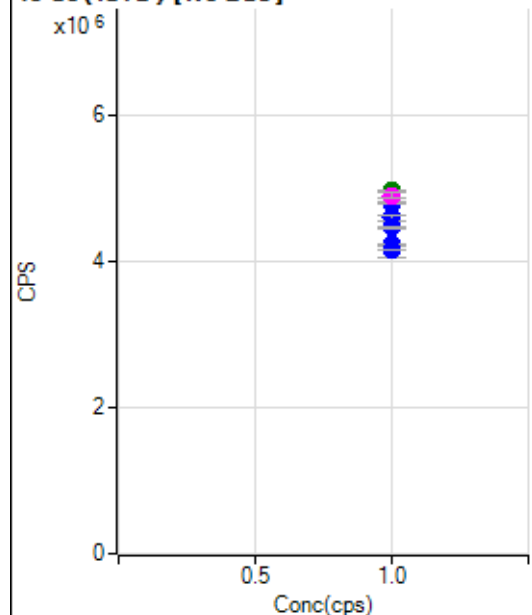
Weight: &lt;None&gt;

Min Conc: 0

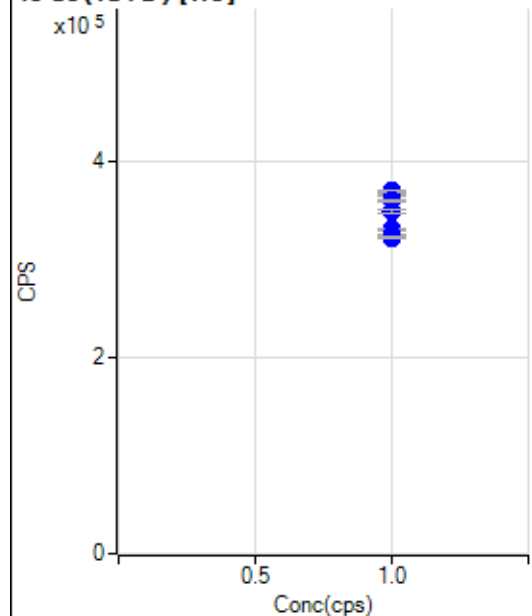
6 Li (ISTD) [No Gas]



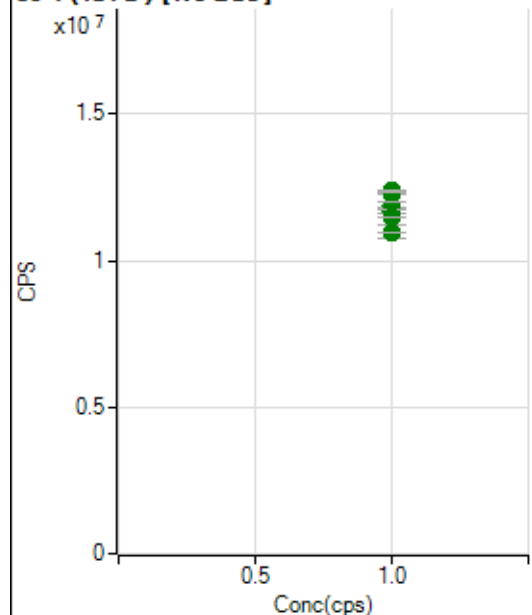
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2951185.20 |       | P    | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2989405.58 |       | P    | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2989455.55 |       | P    | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2890208.33 |       | P    | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2790644.58 |       | P    | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2575111.05 |       | P    | 3.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2595752.06 |       | P    | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2496358.59 |       | P    | 0.6 |

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

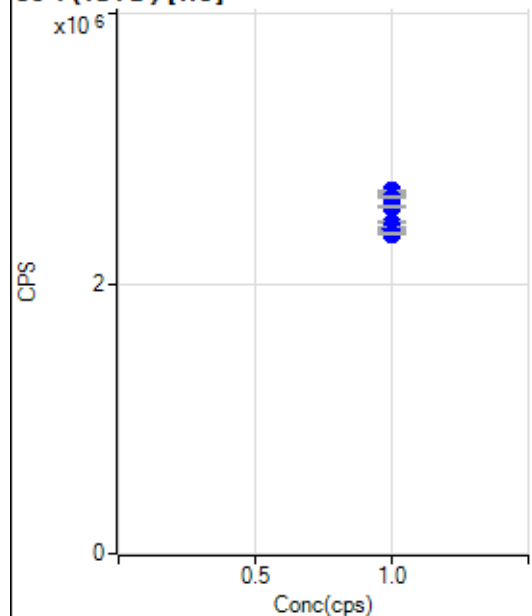
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4801602.81 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4973341.46 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4910731.14 |       | M        | 1.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4610761.53 |       | P        | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4474932.09 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4151861.46 |       | P        | 4.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4234334.00 |       | P        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4165879.80 |       | P        | 0.5 |

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

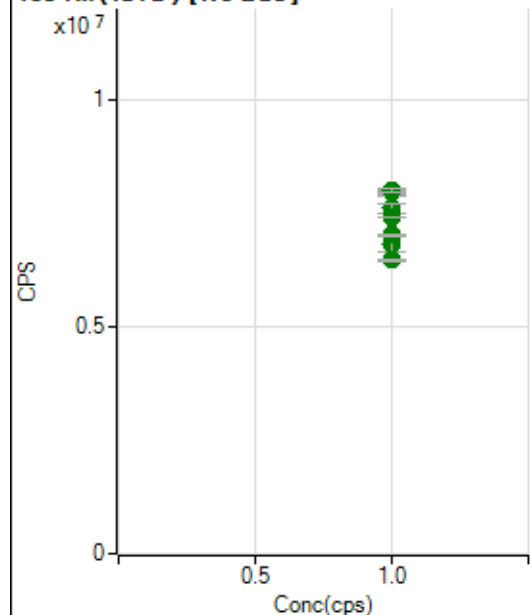
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 365016.75 |       | P        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 369128.93 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 359526.47 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 347755.26 |       | P        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 330573.38 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 325035.72 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 324631.53 |       | P        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 321320.71 |       | P        | 0.5 |

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

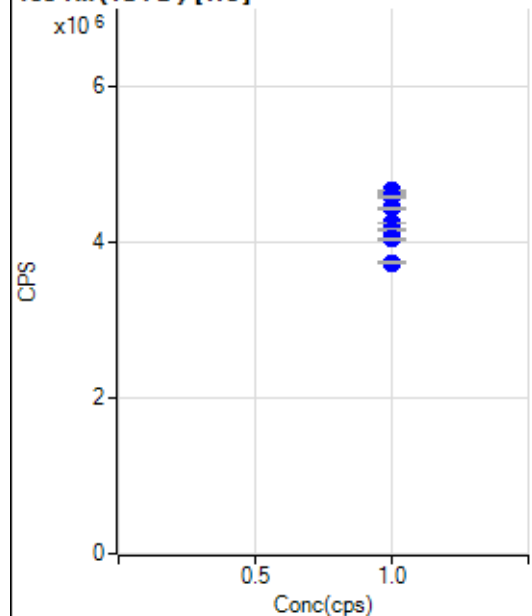
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12265928.84 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 12378385.51 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 12377494.40 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11904464.68 |       | A        | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11702167.74 |       | A        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10964964.00 |       | A        | 4.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11482894.83 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10955938.45 |       | A        | 0.4 |

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

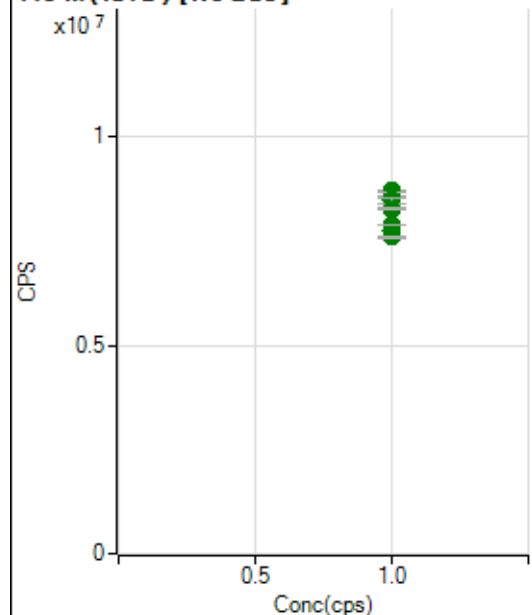
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2659000.46 |       | P        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2688631.63 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2643030.50 |       | P        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2568836.25 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2455644.58 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2419681.35 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2409674.95 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2371772.79 |       | P        | 0.7 |

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

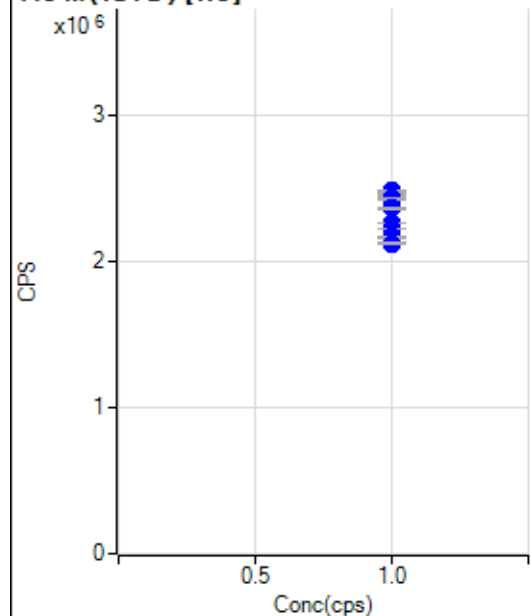
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7979644.25 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7971164.39 |       | A        | 1.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7998712.31 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7620461.21 |       | A        | 2.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7425875.37 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6834306.56 |       | A        | 4.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7022352.40 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6466883.03 |       | A        | 0.3 |

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

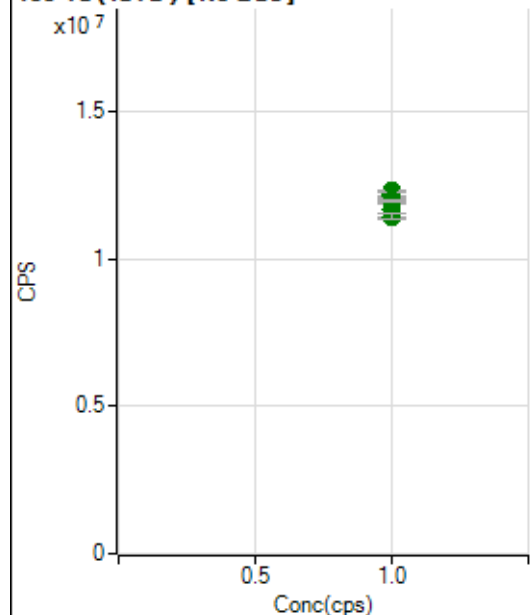
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4640348.19 |       | P        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4663500.76 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4587040.04 |       | P        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4442229.73 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4250479.79 |       | P        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4158716.92 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4049524.45 |       | P        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3738845.57 |       | P        | 0.6 |

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

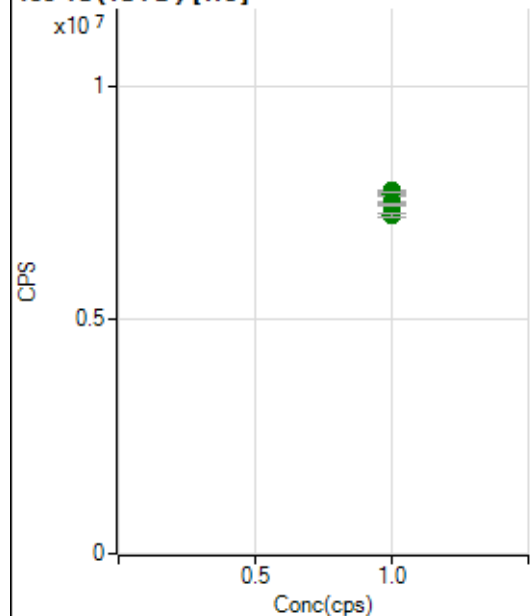
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8600698.83 |       | A        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8708608.98 |       | A        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8678263.16 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8474382.12 |       | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8275508.69 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7759413.01 |       | A        | 3.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7882477.23 |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7603493.22 |       | A        | 0.6 |

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

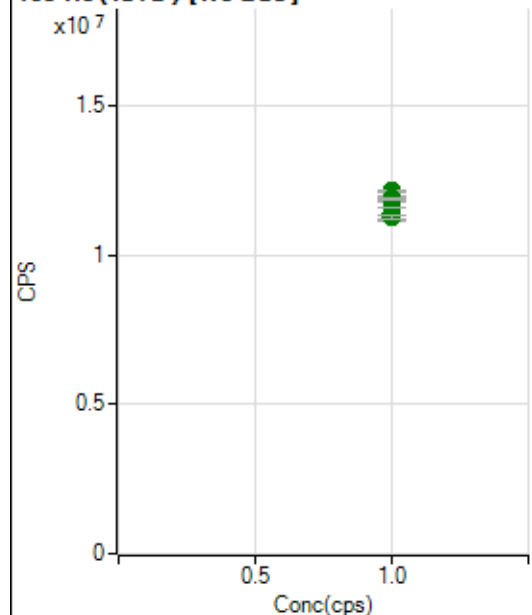
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2459076.95 |       | P        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2486374.58 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2433498.83 |       | P        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2368440.58 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2270193.58 |       | P        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2226708.14 |       | P        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2171798.07 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2124339.54 |       | P        | 0.6 |

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

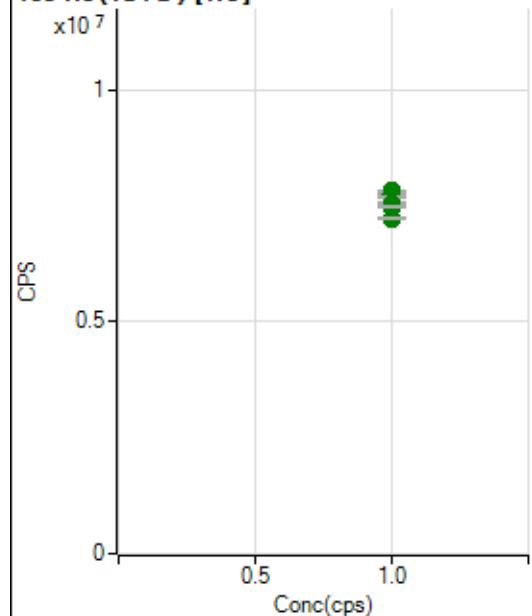
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12028164.26 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 12166944.96 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 12298621.76 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12152036.07 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11997682.74 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11643385.94 |       | A        | 4.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11954764.96 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11439843.30 |       | A        | 1.5 |

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

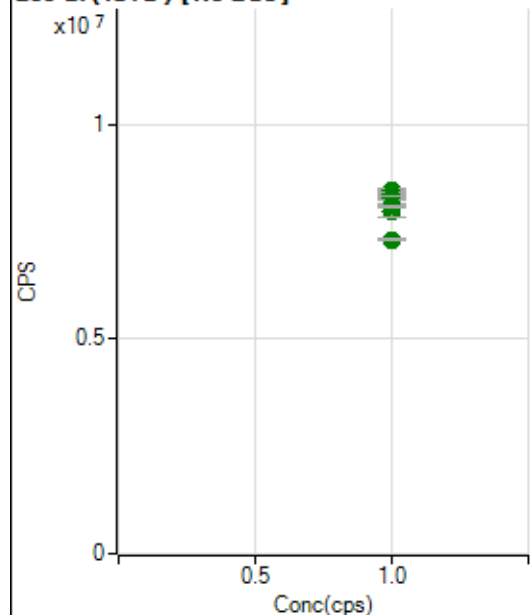
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7745549.33 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7746224.40 |       | A        | 0.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7757372.87 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7698585.79 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7512423.64 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7479008.92 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7462361.00 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7236301.63 |       | A        | 0.7 |

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

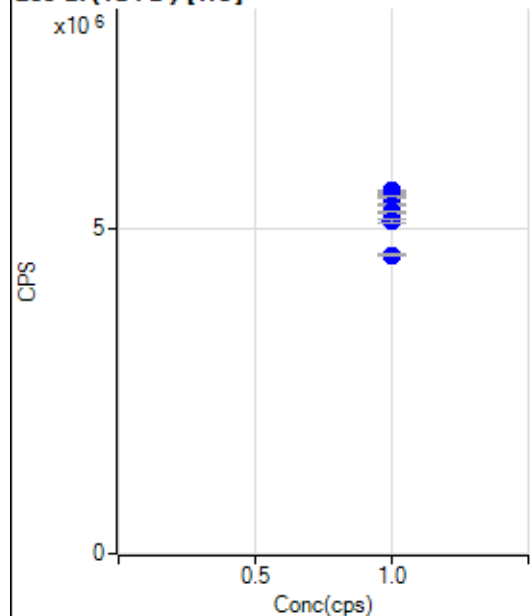
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11788114.13 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 11937269.55 |       | A        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 12137482.18 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11887445.38 |       | A        | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11900388.99 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11373417.75 |       | A        | 4.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11891149.68 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11276177.33 |       | A        | 1.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7820877.52 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7788510.92 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7744096.90 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7702718.08 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7537419.82 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7512381.00 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7469376.83 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7219932.53 |       | A        | 0.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8318740.71 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8431230.15 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8450925.22 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8377182.86 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8295543.28 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7987713.49 |       | A        | 4.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8097731.27 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7319145.59 |       | A        | 0.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5552660.54 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5568247.35 |       | P        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5536112.00 |       | P        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5475328.32 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5345772.18 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5239461.14 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5106315.76 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4584421.32 |       | P        | 0.8 |

US EPA Tune Check Sample Report

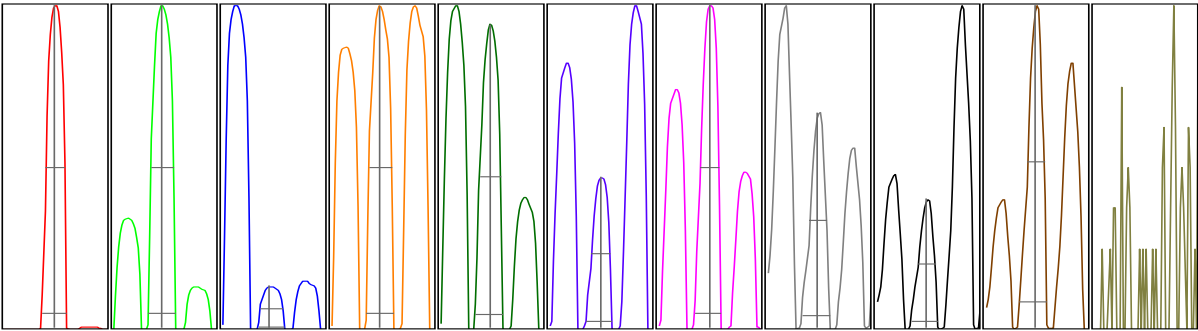
Batch Folder C:\Agilent\ICPMH\1\DATA\P7073121EPA.b  
Report Comment  
Instrument Name G8403A JP14410463

[No Gas]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) | RSD%<br>(Flag) |
|------|-----------------|------------------|--------------------|----------------|
| 9    | 8051            | 2.79             | 5.00               |                |
| 24   | 96800           | 2.86             | 5.00               |                |
| 25   | 12720           | 2.83             | 5.00               |                |
| 26   | 14485           | 2.56             | 5.00               |                |
| 59   | 18511           | 2.90             | 5.00               |                |
| 113  | 11244           | 2.87             | 5.00               |                |
| 115  | 32555           | 3.63             | 5.00               |                |
| 206  | 16743           | 2.50             | 5.00               |                |
| 207  | 14315           | 3.06             | 5.00               |                |
| 208  | 35081           | 2.90             | 5.00               |                |
| 220  | 0               | 72.44            |                    |                |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 9    | 8153                 | 8169                 | 8108                 | 8173                 | 7652                 |
| 24   | 98540                | 98456                | 97998                | 97049                | 91960                |
| 25   | 12906                | 12945                | 12873                | 12793                | 12084                |
| 26   | 14654                | 14753                | 14623                | 14563                | 13832                |
| 59   | 18784                | 18850                | 18752                | 18602                | 17564                |
| 113  | 11371                | 11422                | 11403                | 11357                | 10668                |
| 115  | 33429                | 33202                | 33144                | 32456                | 30545                |
| 206  | 16947                | 16936                | 16989                | 16844                | 16000                |
| 207  | 14515                | 14544                | 14516                | 14466                | 13532                |
| 208  | 35550                | 35590                | 35614                | 35385                | 33266                |
| 220  | 0                    | 0                    | 0                    | 0                    | 0                    |

Integration Time [sec] = 0.1



| Mass | Peak<br>Height | Axis<br>(Actual) | Axis<br>(Required) | Axis<br>(Flag) | Width-X%<br>(Actual) | Width-X%<br>(Required) | Width-<br>X%<br>(Flag) |
|------|----------------|------------------|--------------------|----------------|----------------------|------------------------|------------------------|
| 9    | 14576          | 9.00             | 8.9 - 9.1          |                | 0.723                | 0.900                  |                        |
| 24   | 155131         | 23.95            | 23.9 - 24.1        |                | 0.787                | 0.900                  |                        |
| 25   | 20239          | 24.90            | 24.9 - 25.1        |                | 0.781                | 0.900                  |                        |
| 26   | 23186          | 25.95            | 25.9 - 26.1        |                | 0.790                | 0.900                  |                        |
| 59   | 31464          | 59.00            | 58.9 - 59.1        |                | 0.812                | 0.900                  |                        |
| 113  | 20584          | 113.05           | 112.9 - 113.1      |                | 0.747                | 0.900                  |                        |
| 115  | 59275          | 115.05           | 114.9 - 115.1      |                | 0.769                | 0.900                  |                        |
| 206  | 33107          | 206.00           | 205.9 - 206.1      |                | 0.819                | 0.900                  |                        |
| 207  | 27878          | 207.00           | 206.9 - 207.1      |                | 0.778                | 0.900                  |                        |
| 208  | 69508          | 208.00           | 207.9 - 208.1      |                | 0.786                | 0.900                  |                        |
| 220  |                |                  | -                  |                |                      |                        |                        |

X% = 5 Integration Time [sec] = 0.1 Acquisition Time [sec] = 256.8 Y Axis = Linear

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName       | Value | Unit         |
|---------------|-------|------|----------------|-------|-------|---------------------|-------|--------------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.72  | L/min | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.42 L/min   |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 9.9   | V    | Deflect       | 13.0  | V    |
| Extract 2     | -135.0 | V    | Cell Entrance | -30   | V    | Plate Bias    | -35   | V    |
| Omega Bias    | -75    | V    | Cell Exit     | -50   | V    |               |       |      |

## Cell Parameters ##

| ParameterName | Value | Unit   | ParameterName | Value | Unit | ParameterName         | Value | Unit  |
|---------------|-------|--------|---------------|-------|------|-----------------------|-------|-------|
| Use Gas       | No    |        | OctP Bias     | -8.0  | V    | Energy Discrimination |       | 5.0 V |
| He Flow       | 0.0   | mL/min | OctP RF       | 160   | V    |                       |       |       |

[He]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) |
|------|-----------------|------------------|--------------------|
| 59   | 6300            | 0.64             |                    |
| 89   | 28080           | 0.44             |                    |
| 205  | 17884           | 0.72             |                    |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 59   | 6338                 | 6321                 | 6326                 | 6242                 | 6277                 |
| 89   | 28084                | 28116                | 28264                | 27999                | 27939                |
| 205  | 18037                | 17758                | 17909                | 17967                | 17747                |

Integration Time [sec] = 0.1

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName       | Value | Unit         |
|---------------|-------|------|----------------|-------|-------|---------------------|-------|--------------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.72  | L/min | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.42 L/min   |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 9.4   | V    | Deflect       | 1.8   | V    |
| Extract 2     | -130.0 | V    | Cell Entrance | -40   | V    | Plate Bias    | -60   | V    |
| Omega Bias    | -75    | V    | Cell Exit     | -60   | V    |               |       |      |

## Cell Parameters ##

| ParameterName | Value | Unit   | ParameterName | Value | Unit | ParameterName         | Value | Unit  |
|---------------|-------|--------|---------------|-------|------|-----------------------|-------|-------|
| Use Gas       | Yes   |        | OctP Bias     | -18.0 | V    | Energy Discrimination |       | 5.0 V |
| He Flow       | 3.9   | mL/min | OctP RF       | 200   | V    |                       |       |       |