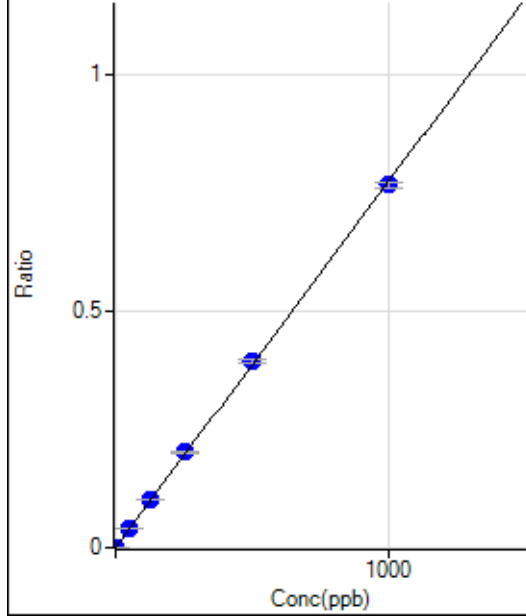


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7062324-MS2.b\  
Analysis File: P7062324-MS2.batch.bin  
DA Date-Time: 2024-06-24 18:47:30  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2024-06-24 16:10:49 |
| 2     | 005CALS.d          | S02         | 2024-06-24 16:14:10 |
| 3     | 007CALS.d          | S03         | 2024-06-24 16:20:53 |
| 4     | 008CALS.d          | S04         | 2024-06-24 16:24:12 |
| 5     | 009CALS.d          | S05         | 2024-06-24 16:27:20 |
| 6     | 010CALS.d          | S06         | 2024-06-24 16:30:25 |
| 7     | 011CALS.d          | S07         | 2024-06-24 16:33:20 |
| 8     | 012CALS.d          | S08         | 2024-06-24 16:36:13 |

**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      | 122.22    | 0.0002 | P   | 10.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.026      | 692.25    | 0.0010 | P   | 12.7 |
| 3 | <input type="checkbox"/> | 50.000   | 54.038     | 30766.04  | 0.0420 | P   | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 132.643    | 74721.53  | 0.1028 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 261.144    | 145014.84 | 0.2023 | P   | 1.9  |
| 6 | <input type="checkbox"/> | 500.000  | 510.194    | 275907.42 | 0.3950 | P   | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.960    | 533985.02 | 0.7670 | P   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 820.03    | 0.0012 | P   | 4.9  |

$$y = 7.7386E-004 * x + 1.6563E-004$$

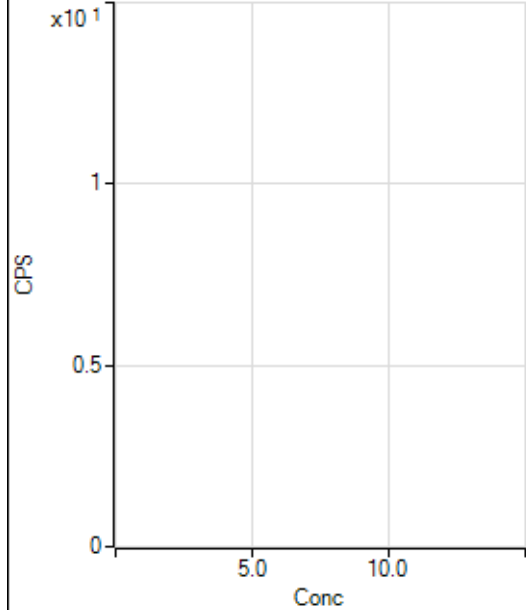
$$R = 0.9998$$

$$DL = 0.06736$$

$$BEC = 0.214$$

Weight: &lt;None&gt;

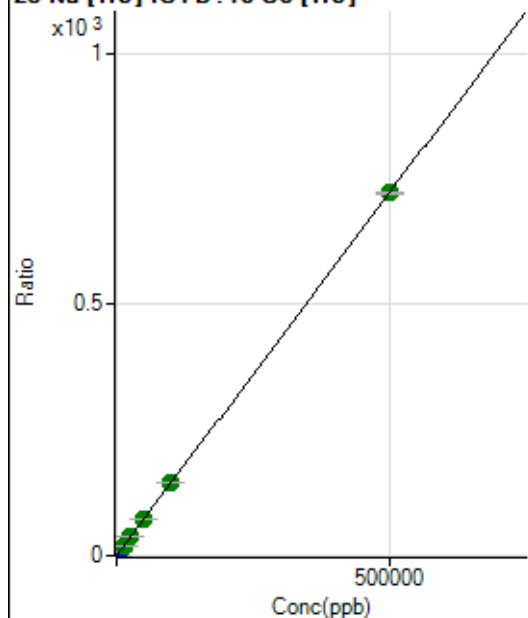
Min Conc: 0

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

|   | Rj<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"/> |       |            |     |       |     |     |

**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      | 11316.46    | 0.0856   | P        | 2.6 |
| 2 | <input type="checkbox"/> | 500.000   | 502.445    | 107112.38   | 0.8112   | P        | 1.2 |
| 3 | <input type="checkbox"/> | 5000.000  | 5337.009   | 1025571.50  | 7.7926   | P        | 0.5 |
| 4 | <input type="checkbox"/> | 12500.000 | 12797.900  | 2385414.76  | 18.5666  | A        | 0.9 |
| 5 | <input type="checkbox"/> | 25000.000 | 25476.913  | 4620935.45  | 36.8758  | A        | 0.7 |
| 6 | <input type="checkbox"/> | 50000.000 | 50515.999  | 8986437.65  | 73.0338  | A        | 0.8 |
| 7 | <input type="checkbox"/> | 100000.00 | 99921.585  | 17660812.52 | 144.3785 | A        | 0.8 |
| 8 | <input type="checkbox"/> | 500000.00 | 499929.41  | 91588964.19 | 722.0145 | A        | 0.8 |

$$y = 0.0014 * x + 0.0856$$

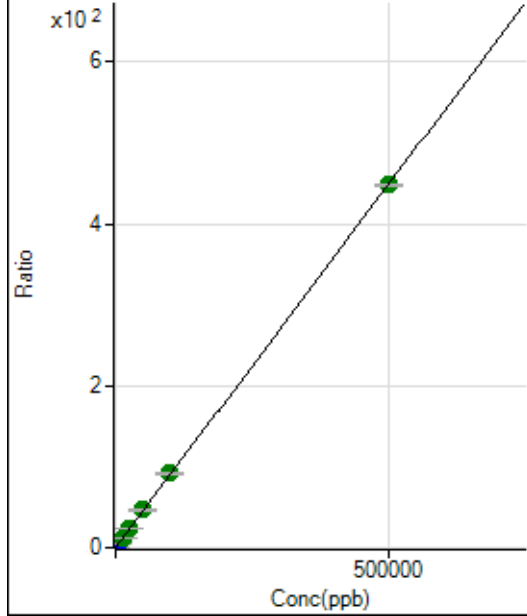
$$R = 1.0000$$

$$DL = 4.542$$

$$BEC = 59.27$$

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      | 726.69      | 0.0055   | P   | 10.8 |
| 2 | <input type="checkbox"/> | 500.000   | 509.147    | 61085.05    | 0.4626   | P   | 1.2  |
| 3 | <input type="checkbox"/> | 5000.000  | 5509.444   | 651695.47   | 4.9518   | P   | 0.3  |
| 4 | <input type="checkbox"/> | 12500.000 | 13157.331  | 1518367.88  | 11.8179  | A   | 0.4  |
| 5 | <input type="checkbox"/> | 25000.000 | 26373.996  | 2967831.52  | 23.6835  | A   | 0.3  |
| 6 | <input type="checkbox"/> | 50000.000 | 51778.145  | 5720471.30  | 46.4909  | A   | 0.8  |
| 7 | <input type="checkbox"/> | 100000.00 | 102010.42  | 11203264.69 | 91.5884  | A   | 1.3  |
| 8 | <input type="checkbox"/> | 500000.00 | 499329.86  | 56867495.26 | 448.2939 | A   | 0.4  |

$$y = 8.9778\text{E-}004 * x + 0.0055$$

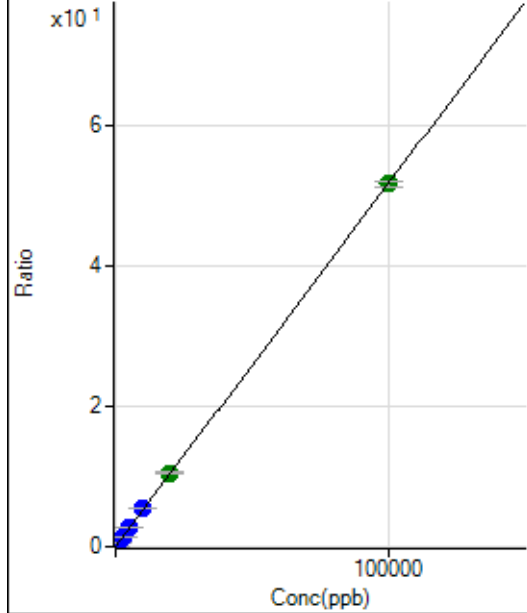
$$R = 1.0000$$

$$DL = 1.988$$

$$BEC = 6.12$$

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      | 94.45      | 0.0007  | P   | 13.6 |
| 2 | <input type="checkbox"/> | 20.000    | 20.633     | 1504.53    | 0.0114  | P   | 10.1 |
| 3 | <input type="checkbox"/> | 1000.000  | 1093.649   | 74656.97   | 0.5673  | P   | 0.3  |
| 4 | <input type="checkbox"/> | 2500.000  | 2658.310   | 177022.63  | 1.3778  | P   | 0.4  |
| 5 | <input type="checkbox"/> | 5000.000  | 5286.161   | 343249.90  | 2.7391  | P   | 0.1  |
| 6 | <input type="checkbox"/> | 10000.000 | 10408.624  | 663555.67  | 5.3928  | P   | 0.1  |
| 7 | <input type="checkbox"/> | 20000.000 | 20352.511  | 1289793.91 | 10.5441 | A   | 1.0  |
| 8 | <input type="checkbox"/> | 100000.00 | 99869.433  | 6562809.14 | 51.7369 | A   | 1.3  |

$$y = 5.1804\text{E-}004 * x + 7.1384\text{E-}004$$

$$R = 1.0000$$

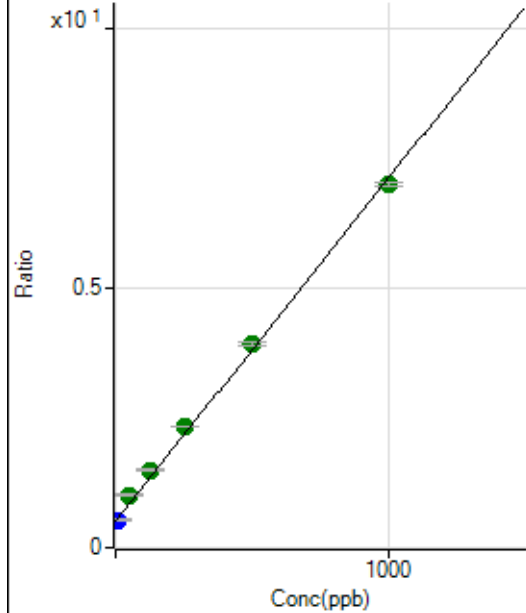
$$DL = 0.5626$$

$$BEC = 1.378$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 829822.04   | 0.5082 | P    | 1.2 |
| 2 | <input type="checkbox"/> | 10.000   | 2.787      | 835988.67   | 0.5266 | P    | 4.9 |
| 3 | <input type="checkbox"/> | 50.000   | 75.059     | 1637809.63  | 1.0046 | A    | 3.1 |
| 4 | <input type="checkbox"/> | 125.000  | 149.055    | 2415420.59  | 1.4939 | A    | 1.2 |
| 5 | <input type="checkbox"/> | 250.000  | 275.567    | 3714623.97  | 2.3306 | A    | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 518.635    | 6099727.62  | 3.9382 | A    | 1.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 980.103    | 10582688.10 | 6.9901 | A    | 1.1 |
| 8 | <input type="checkbox"/> |          |            | 1161194.42  | 0.7431 | A    | 1.6 |

$$y = 0.0066 * x + 0.5082$$

$$R = 0.9989$$

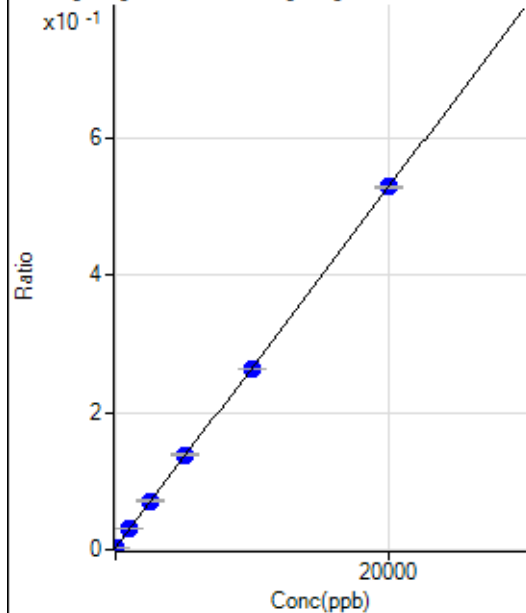
$$DL = 2.82$$

$$BEC = 76.84$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS      | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -17.188    | 368.90   | 0.0028 | P    | 8.2 |
| 2 | <input type="checkbox"/> | 0.000     | 17.188     | 487.79   | 0.0037 | P    | 2.7 |
| 3 | <input type="checkbox"/> | 1000.000  | 1004.330   | 3900.53  | 0.0296 | P    | 1.0 |
| 4 | <input type="checkbox"/> | 2500.000  | 2580.972   | 9131.68  | 0.0711 | P    | 2.8 |
| 5 | <input type="checkbox"/> | 5000.000  | 5149.418   | 17364.37 | 0.1386 | P    | 2.3 |
| 6 | <input type="checkbox"/> | 10000.000 | 9894.196   | 32394.34 | 0.2633 | P    | 0.8 |
| 7 | <input type="checkbox"/> | 20000.000 | 20005.210  | 64709.19 | 0.5290 | P    | 0.4 |
| 8 | <input type="checkbox"/> |           |            | 374.45   | 0.0030 | P    | 6.3 |

$$y = 2.6281E-005 * x + 0.0032$$

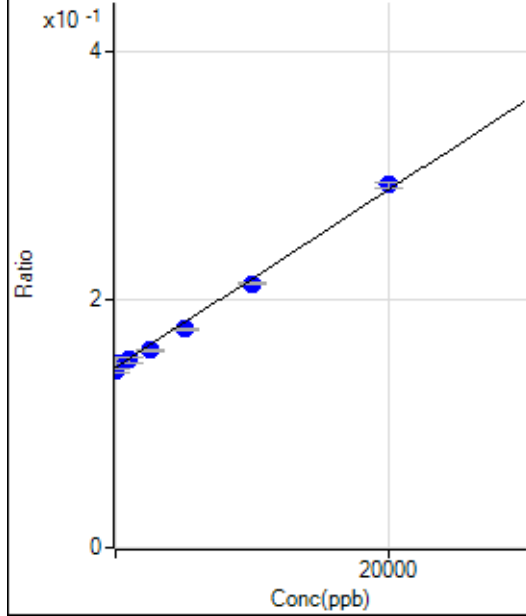
$$R = 0.9999$$

$$DL = 18.65$$

$$BEC = 123.4$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | -378.132   | 232976.68 | 0.1427 | P   | 1.6 |
| 2 | <input type="checkbox"/> | 0.000     | 378.132    | 235090.84 | 0.1481 | P   | 5.0 |
| 3 | <input type="checkbox"/> | 1000.000  | 844.533    | 246890.13 | 0.1514 | P   | 3.0 |
| 4 | <input type="checkbox"/> | 2500.000  | 1912.510   | 257215.48 | 0.1591 | P   | 0.3 |
| 5 | <input type="checkbox"/> | 5000.000  | 4281.610   | 280581.29 | 0.1760 | P   | 1.2 |
| 6 | <input type="checkbox"/> | 10000.000 | 9456.662   | 330108.20 | 0.2131 | P   | 0.9 |
| 7 | <input type="checkbox"/> | 20000.000 | 20532.476  | 442713.80 | 0.2924 | P   | 1.4 |
| 8 | <input type="checkbox"/> |           |            | 223655.33 | 0.1431 | P   | 1.8 |

$$y = 7.1622\text{E-}006 * x + 0.1454$$

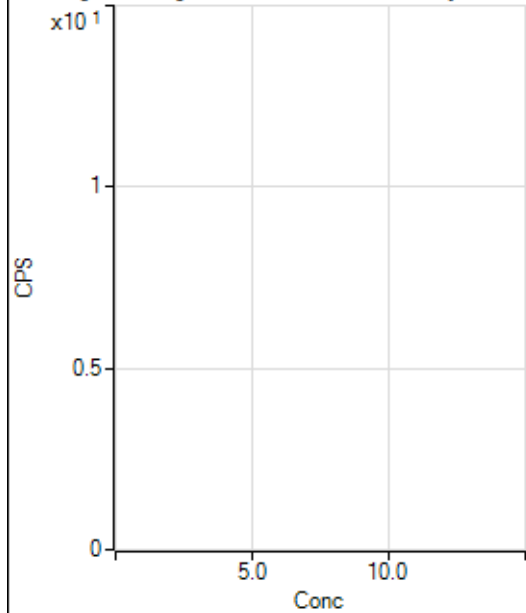
$$R = 0.9982$$

$$DL = 2035$$

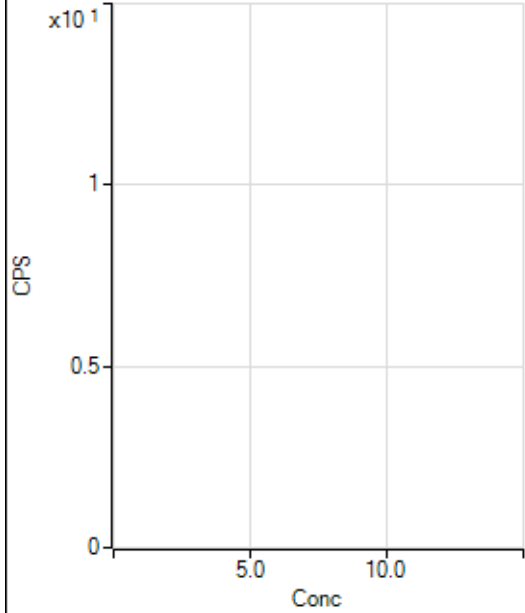
$$BEC = 2.03\text{E}+04$$

Weight: &lt;None&gt;

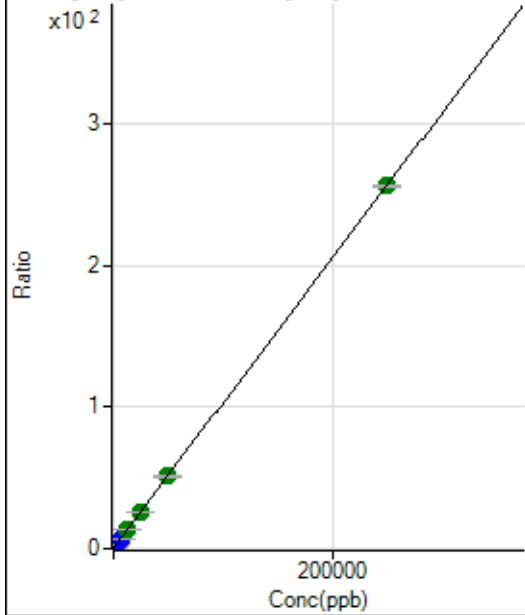
Min Conc: 0

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

|   | Rj<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      | 68946.11    | 0.5215   | P        | 1.0 |
| 2 | <input type="checkbox"/> | 500.000   | 508.765    | 137528.74   | 1.0415   | P        | 0.8 |
| 3 | <input type="checkbox"/> | 2500.000  | 2688.302   | 430249.12   | 3.2692   | P        | 0.4 |
| 4 | <input type="checkbox"/> | 6250.000  | 6656.430   | 941115.30   | 7.3250   | P        | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12702.805  | 1692329.11  | 13.5050  | A        | 0.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 24943.100  | 3201128.46  | 26.0158  | A        | 0.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 49360.429  | 6235164.00  | 50.9728  | A        | 0.7 |
| 8 | <input type="checkbox"/> | 250000.00 | 250111.40  | 32494833.40 | 256.1604 | A        | 0.6 |

$$y = 0.0010 * x + 0.5215$$

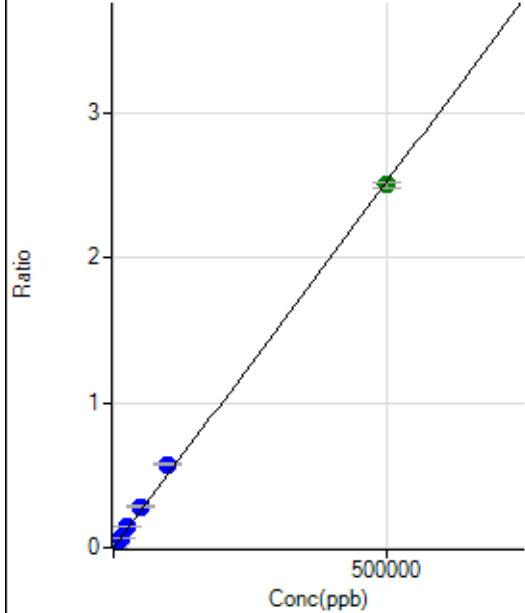
$$R = 1.0000$$

$$DL = 14.64$$

$$BEC = 510.2$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 188.89     | 0.0001 | P    | 8.5 |
| 2 | <input type="checkbox"/> | 500.000   | 529.210    | 4415.13    | 0.0028 | P    | 4.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5827.692   | 48032.37   | 0.0295 | P    | 4.1 |
| 4 | <input type="checkbox"/> | 12500.000 | 14405.690  | 117499.14  | 0.0727 | P    | 0.3 |
| 5 | <input type="checkbox"/> | 25000.000 | 28417.162  | 228305.73  | 0.1432 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 56209.475  | 438690.00  | 0.2832 | P    | 1.3 |
| 7 | <input type="checkbox"/> | 100000.00 | 113474.72  | 865337.91  | 0.5716 | P    | 2.0 |
| 8 | <input type="checkbox"/> | 500000.00 | 496457.30  | 3906855.74 | 2.5006 | A    | 1.7 |

$$y = 5.0366\text{E-}006 * x + 1.1558\text{E-}004$$

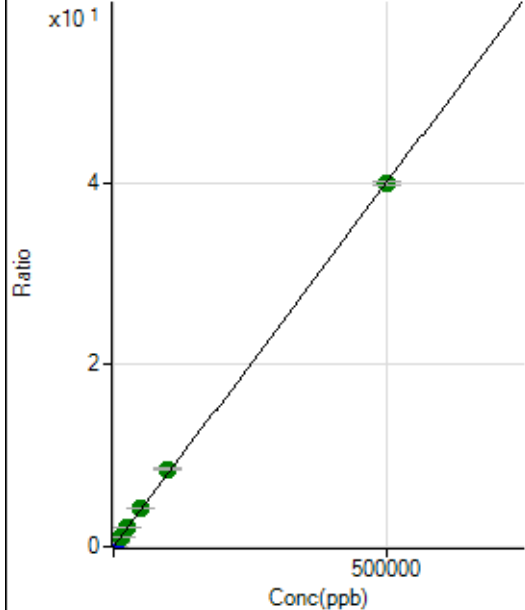
$$R = 0.9996$$

$$DL = 5.855$$

$$BEC = 22.95$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 17292.19    | 0.0106  | P    | 2.7 |
| 2 | <input type="checkbox"/> | 500.000   | 535.837    | 84780.46    | 0.0534  | P    | 6.1 |
| 3 | <input type="checkbox"/> | 5000.000  | 5707.058   | 761053.86   | 0.4668  | P    | 3.4 |
| 4 | <input type="checkbox"/> | 12500.000 | 13371.507  | 1745475.79  | 1.0795  | A    | 0.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 26366.546  | 3376243.49  | 2.1184  | A    | 1.2 |
| 6 | <input type="checkbox"/> | 50000.000 | 52745.291  | 6547750.74  | 4.2272  | A    | 1.3 |
| 7 | <input type="checkbox"/> | 100000.00 | 106142.92  | 12861795.09 | 8.4959  | A    | 1.5 |
| 8 | <input type="checkbox"/> | 500000.00 | 498399.66  | 62274162.41 | 39.8540 | A    | 0.9 |

$$y = 7.9943\text{E-}005 * x + 0.0106$$

$$R = 0.9999$$

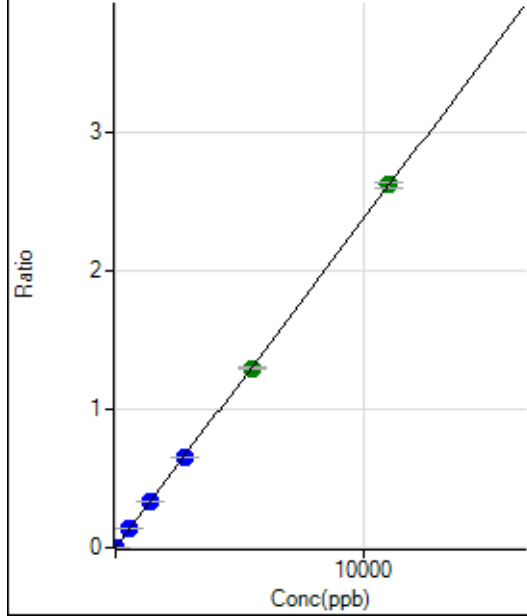
$$DL = 10.58$$

$$BEC = 132.5$$

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<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 76.67      | 0.0000 | P        | 27.4 |
| 2 | <input type="checkbox"/> | 5.000     | 5.039      | 1975.70    | 0.0012 | P        | 6.0  |
| 3 | <input type="checkbox"/> | 550.000   | 565.014    | 219047.36  | 0.1344 | P        | 3.0  |
| 4 | <input type="checkbox"/> | 1375.000  | 1380.899   | 530784.04  | 0.3283 | P        | 0.9  |
| 5 | <input type="checkbox"/> | 2750.000  | 2735.503   | 1036444.92 | 0.6503 | P        | 0.3  |
| 6 | <input type="checkbox"/> | 5500.000  | 5452.627   | 2007747.22 | 1.2961 | A        | 1.2  |
| 7 | <input type="checkbox"/> | 11000.000 | 11025.823  | 3967635.05 | 2.6209 | A        | 1.6  |
| 8 | <input type="checkbox"/> |           |            | 1504.54    | 0.0010 | P        | 5.8  |

$$y = 2.3770\text{E-}004 * x + 4.7047\text{E-}005$$

$$R = 1.0000$$

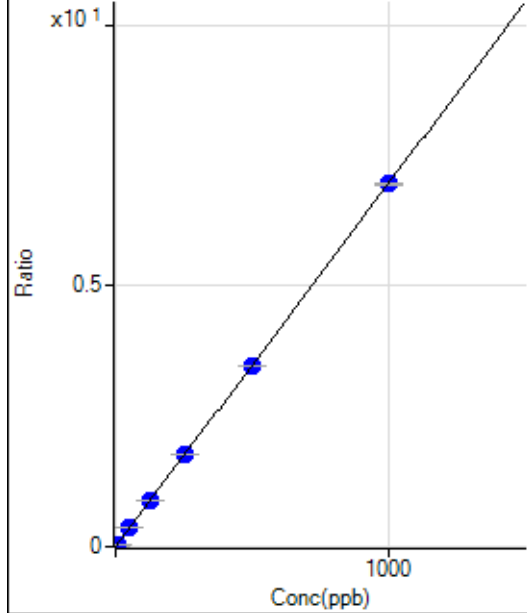
$$DL = 0.1629$$

$$BEC = 0.1979$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 21.11     | 0.0002 | P        | 36.0 |
| 2 | <input type="checkbox"/> | 5.000    | 4.799      | 4434.03   | 0.0336 | P        | 3.3  |
| 3 | <input type="checkbox"/> | 50.000   | 51.068     | 46810.08  | 0.3557 | P        | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 125.785    | 112527.46 | 0.8758 | P        | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 254.582    | 222113.60 | 1.7725 | P        | 0.2  |
| 6 | <input type="checkbox"/> | 500.000  | 499.298    | 427721.11 | 3.4761 | P        | 0.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.055    | 850798.01 | 6.9553 | P        | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 415.56    | 0.0033 | P        | 11.4 |

$$y = 0.0070 * x + 1.5953\text{E-}004$$

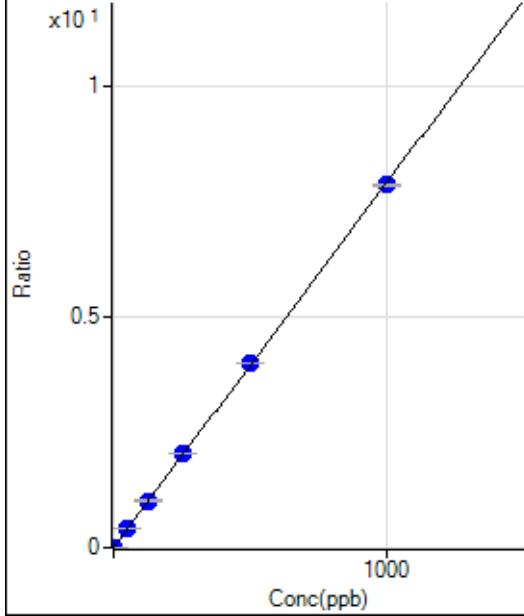
$$R = 1.0000$$

$$DL = 0.02476$$

$$BEC = 0.02292$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 165.56    | 0.0013 | P   | 7.7 |
| 2 | <input type="checkbox"/> | 2.000    | 2.137      | 2396.88   | 0.0181 | P   | 0.9 |
| 3 | <input type="checkbox"/> | 50.000   | 52.320     | 54607.29  | 0.4149 | P   | 0.3 |
| 4 | <input type="checkbox"/> | 125.000  | 128.832    | 131032.80 | 1.0199 | P   | 0.8 |
| 5 | <input type="checkbox"/> | 250.000  | 258.067    | 255848.12 | 2.0417 | P   | 0.1 |
| 6 | <input type="checkbox"/> | 500.000  | 504.894    | 491347.70 | 3.9932 | P   | 0.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 994.941    | 962427.82 | 7.8678 | P   | 0.2 |
| 8 | <input type="checkbox"/> |          |            | 9559.77   | 0.0754 | P   | 0.5 |

$$y = 0.0079 * x + 0.0013$$

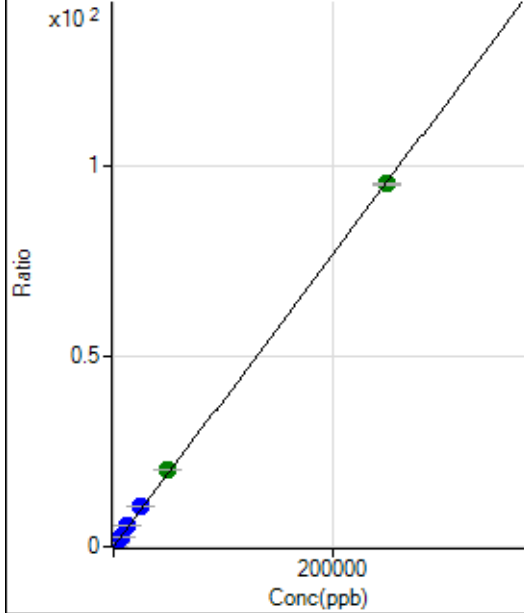
$$R = 0.9999$$

$$DL = 0.0367$$

$$BEC = 0.1584$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1116.72     | 0.0084  | P   | 5.1 |
| 2 | <input type="checkbox"/> | 50.000    | 53.103     | 3798.30     | 0.0288  | P   | 2.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2889.259   | 146551.32   | 1.1136  | P   | 1.4 |
| 4 | <input type="checkbox"/> | 6250.000  | 7070.285   | 348536.12   | 2.7128  | P   | 0.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 14204.229  | 681875.97   | 5.4414  | P   | 0.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 27661.049  | 1302864.11  | 10.5885 | P   | 0.1 |
| 7 | <input type="checkbox"/> | 50000.000 | 52291.576  | 2447639.81  | 20.0094 | A   | 0.2 |
| 8 | <input type="checkbox"/> | 250000.00 | 249165.96  | 12090541.77 | 95.3117 | A   | 0.5 |

$$y = 3.8249E-004 * x + 0.0084$$

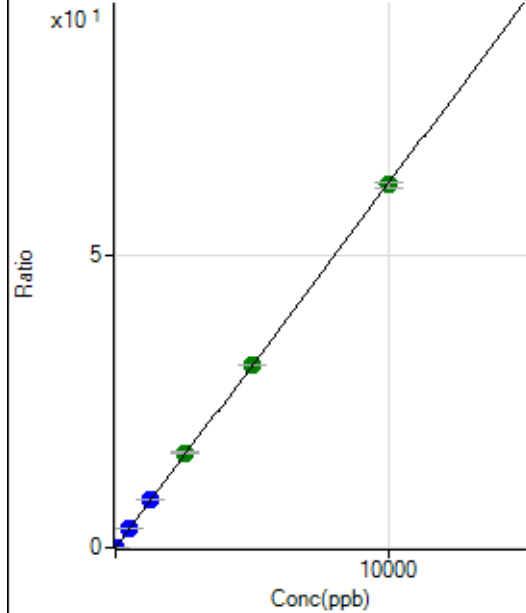
$$R = 0.9999$$

$$DL = 3.367$$

$$BEC = 22.08$$

Weight: &lt;None&gt;

Min Conc: 0

**55 Mn [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      | 163.34     | 0.0012  | P   | 9.6 |
| 2 | <input type="checkbox"/> | 1.000     | 1.000      | 986.71     | 0.0075  | P   | 4.4 |
| 3 | <input type="checkbox"/> | 500.000   | 529.189    | 434460.04  | 3.3012  | P   | 0.2 |
| 4 | <input type="checkbox"/> | 1250.000  | 1299.718   | 1041461.11 | 8.1060  | P   | 0.5 |
| 5 | <input type="checkbox"/> | 2500.000  | 2609.257   | 2039120.49 | 16.2720 | A   | 0.6 |
| 6 | <input type="checkbox"/> | 5000.000  | 5018.789   | 3850997.44 | 31.2974 | A   | 0.6 |
| 7 | <input type="checkbox"/> | 10000.000 | 9955.617   | 7594027.32 | 62.0825 | A   | 1.4 |
| 8 | <input type="checkbox"/> |           |            | 5881.20    | 0.0464  | P   | 4.2 |

$$y = 0.0062 * x + 0.0012$$

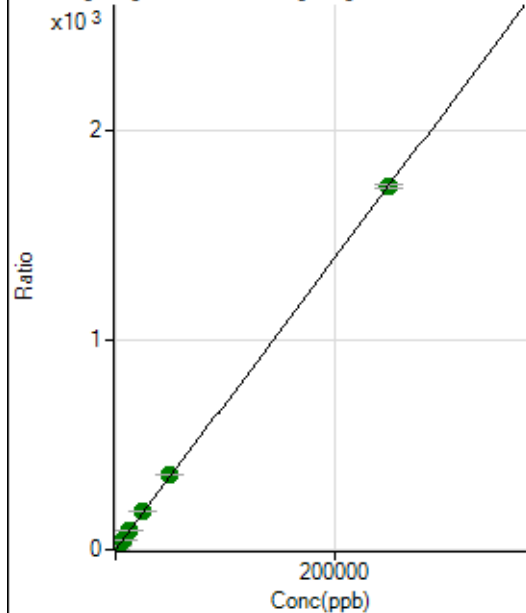
$$R = 0.9999$$

$$DL = 0.05686$$

$$BEC = 0.198$$

Weight: &lt;None&gt;

Min Conc: 0

**56 Fe [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      | 6121.31     | 0.0463    | P   | 3.5 |
| 2 | <input type="checkbox"/> | 50.000    | 54.686     | 56234.68    | 0.4258    | P   | 0.8 |
| 3 | <input type="checkbox"/> | 2500.000  | 2702.879   | 2474999.58  | 18.8056   | A   | 0.8 |
| 4 | <input type="checkbox"/> | 6250.000  | 6648.152   | 5934216.99  | 46.1878   | A   | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 13342.970  | 11610470.38 | 92.6533   | A   | 0.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 26136.220  | 22325956.06 | 181.4449  | A   | 0.1 |
| 7 | <input type="checkbox"/> | 50000.000 | 51778.404  | 43964607.68 | 359.4147  | A   | 0.9 |
| 8 | <input type="checkbox"/> | 250000.00 | 249476.56  | 219647285.6 | 1,731.540 | A   | 1.0 |

$$y = 0.0069 * x + 0.0463$$

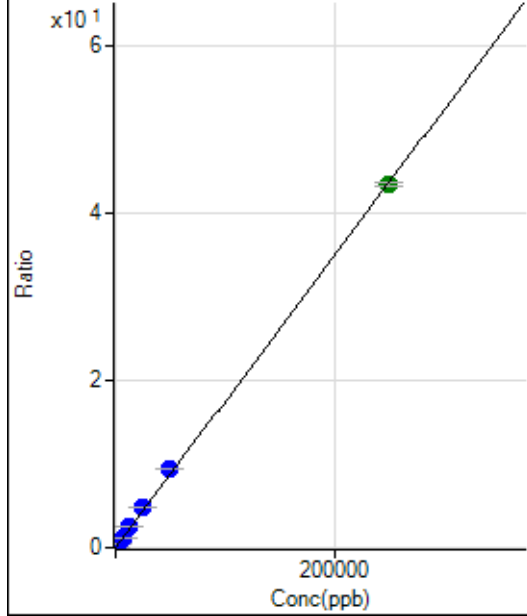
$$R = 1.0000$$

$$DL = 0.7042$$

$$BEC = 6.67$$

Weight: &lt;None&gt;

Min Conc: 0

**57 Fe [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      | 267.78     | 0.0020  | P    | 13.7 |
| 2 | <input type="checkbox"/> | 50.000    | 53.759     | 1503.43    | 0.0114  | P    | 5.6  |
| 3 | <input type="checkbox"/> | 2500.000  | 2851.440   | 65557.67   | 0.4981  | P    | 1.2  |
| 4 | <input type="checkbox"/> | 6250.000  | 6953.338   | 155693.40  | 1.2118  | P    | 0.8  |
| 5 | <input type="checkbox"/> | 12500.000 | 13950.273  | 304401.49  | 2.4292  | P    | 0.4  |
| 6 | <input type="checkbox"/> | 25000.000 | 27362.325  | 586023.50  | 4.7627  | P    | 0.4  |
| 7 | <input type="checkbox"/> | 50000.000 | 53920.727  | 1147817.60 | 9.3834  | P    | 0.5  |
| 8 | <input type="checkbox"/> | 250000.00 | 248886.01  | 5493139.71 | 43.3045 | A    | 1.1  |

$$y = 1.7399\text{E-}004 * x + 0.0020$$

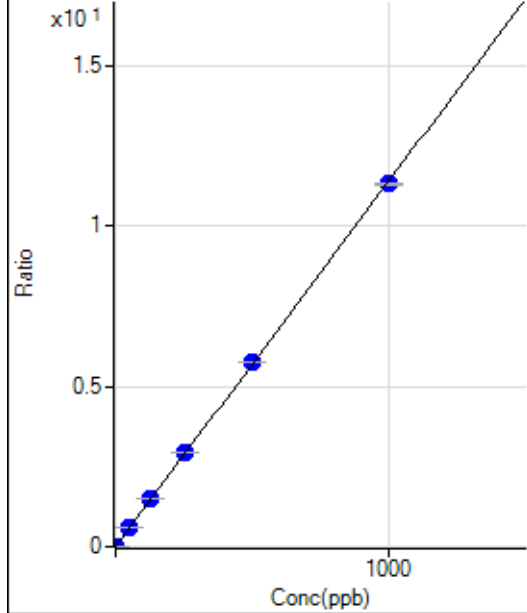
$$R = 0.9998$$

$$DL = 4.793$$

$$BEC = 11.65$$

Weight: &lt;None&gt;

Min Conc: 0

**59 Co [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      | 48.89      | 0.0004  | P    | 17.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.071      | 1660.11    | 0.0126  | P    | 4.5  |
| 3 | <input type="checkbox"/> | 50.000   | 52.737     | 79140.34   | 0.6013  | P    | 0.5  |
| 4 | <input type="checkbox"/> | 125.000  | 130.448    | 191033.63  | 1.4869  | P    | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 259.156    | 370114.69  | 2.9536  | P    | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 506.496    | 710232.10  | 5.7721  | P    | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.645    | 1385127.84 | 11.3234 | P    | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 4437.36    | 0.0350  | P    | 1.0  |

$$y = 0.0114 * x + 3.6981\text{E-}004$$

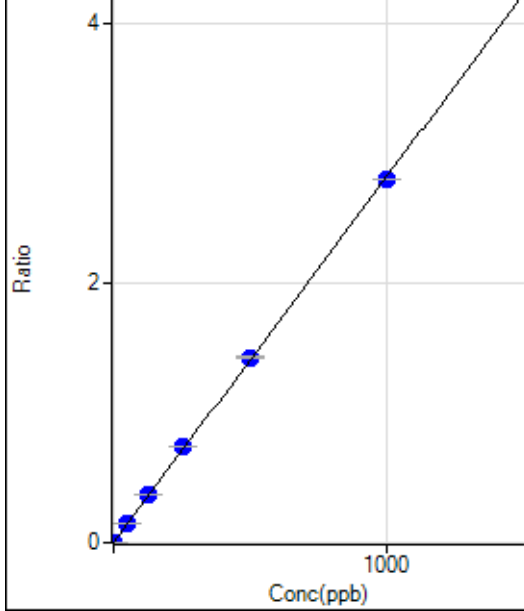
$$R = 0.9999$$

$$DL = 0.01674$$

$$BEC = 0.03245$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 116.67    | 0.0009 | P        | 9.3  |
| 2 | <input type="checkbox"/> | 1.000    | 1.061      | 510.02    | 0.0039 | P        | 10.1 |
| 3 | <input type="checkbox"/> | 50.000   | 54.443     | 20259.33  | 0.1539 | P        | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 132.338    | 47912.88  | 0.3729 | P        | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 263.179    | 92825.81  | 0.7408 | P        | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 506.808    | 175421.43 | 1.4257 | P        | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.162    | 341303.40 | 2.7901 | P        | 0.1  |
| 8 | <input type="checkbox"/> |          |            | 3203.71   | 0.0253 | P        | 1.3  |

$$y = 0.0028 * x + 8.8274E-004$$

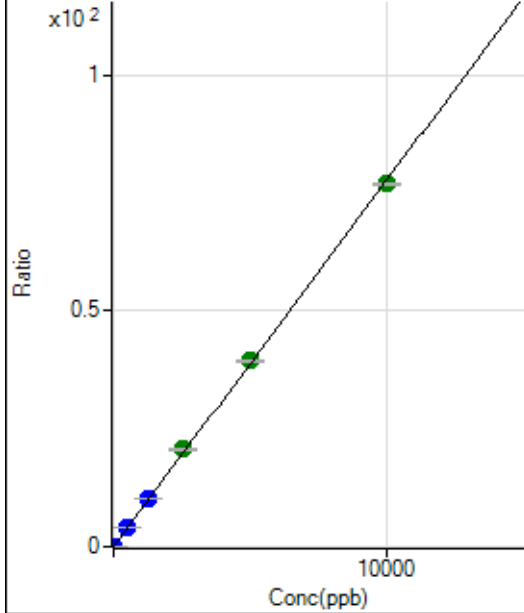
$$R = 0.9999$$

$$DL = 0.08728$$

$$BEC = 0.314$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD |
|---|--------------------------|-----------|------------|------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 484.46     | 0.0037  | P        | 6.0 |
| 2 | <input type="checkbox"/> | 2.000     | 2.110      | 2648.04    | 0.0201  | P        | 0.8 |
| 3 | <input type="checkbox"/> | 500.000   | 536.572    | 549116.13  | 4.1723  | P        | 0.1 |
| 4 | <input type="checkbox"/> | 1250.000  | 1320.986   | 1319048.10 | 10.2665 | P        | 0.8 |
| 5 | <input type="checkbox"/> | 2500.000  | 2651.879   | 2582254.18 | 20.6064 | A        | 0.4 |
| 6 | <input type="checkbox"/> | 5000.000  | 5085.496   | 4861952.26 | 39.5134 | A        | 0.9 |
| 7 | <input type="checkbox"/> | 10000.000 | 9908.580   | 9416969.09 | 76.9844 | A        | 0.8 |
| 8 | <input type="checkbox"/> |           |            | 5331.00    | 0.0420  | P        | 5.2 |

$$y = 0.0078 * x + 0.0037$$

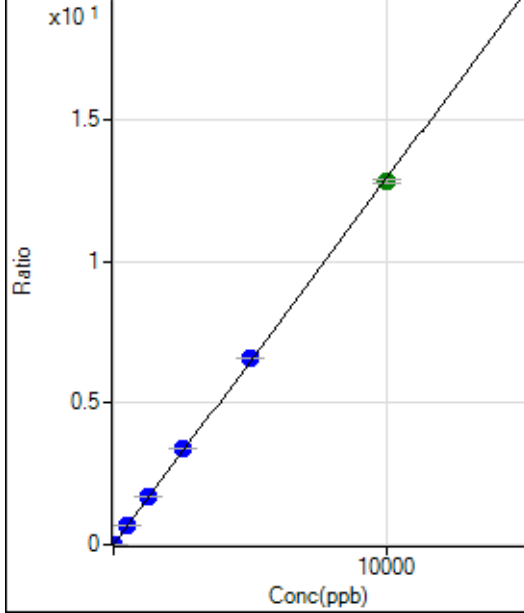
$$R = 0.9998$$

$$DL = 0.08505$$

$$BEC = 0.4715$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 160.00     | 0.0012  | P        | 13.5 |
| 2 | <input type="checkbox"/> | 5.000     | 4.647      | 953.37     | 0.0072  | P        | 4.8  |
| 3 | <input type="checkbox"/> | 500.000   | 536.519    | 91417.23   | 0.6946  | P        | 0.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1328.035   | 220676.02  | 1.7176  | P        | 0.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2630.357   | 426144.03  | 3.4007  | P        | 0.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 5103.574   | 811748.32  | 6.5971  | P        | 0.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 9904.044   | 1565901.99 | 12.8014 | A        | 1.1  |
| 8 | <input type="checkbox"/> |           |            | 777.81     | 0.0061  | P        | 2.1  |

$$y = 0.0013 * x + 0.0012$$

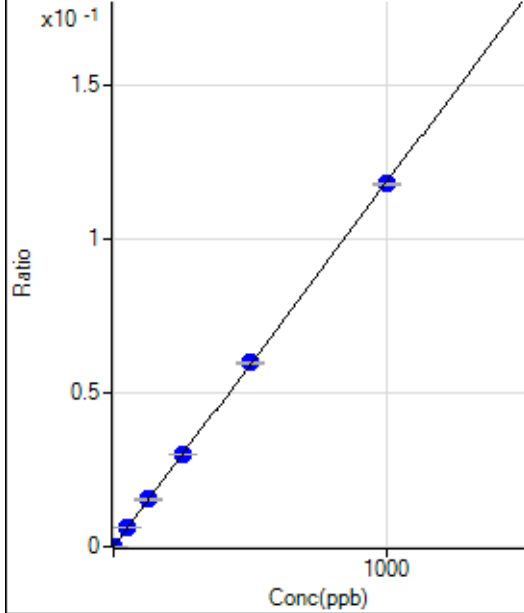
$$R = 0.9998$$

$$DL = 0.38$$

$$BEC = 0.9363$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5.56      | 0.0000 | P        | 35.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.014      | 122.22    | 0.0001 | P        | 11.8 |
| 3 | <input type="checkbox"/> | 50.000   | 50.802     | 5944.58   | 0.0060 | P        | 2.1  |
| 4 | <input type="checkbox"/> | 125.000  | 129.535    | 14668.46  | 0.0154 | P        | 2.3  |
| 5 | <input type="checkbox"/> | 250.000  | 253.859    | 28349.31  | 0.0301 | P        | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 505.204    | 55223.28  | 0.0599 | P        | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.827    | 108334.82 | 0.1182 | P        | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 117.78    | 0.0001 | P        | 28.2 |

$$y = 1.1865E-004 * x + 5.7352E-006$$

$$R = 1.0000$$

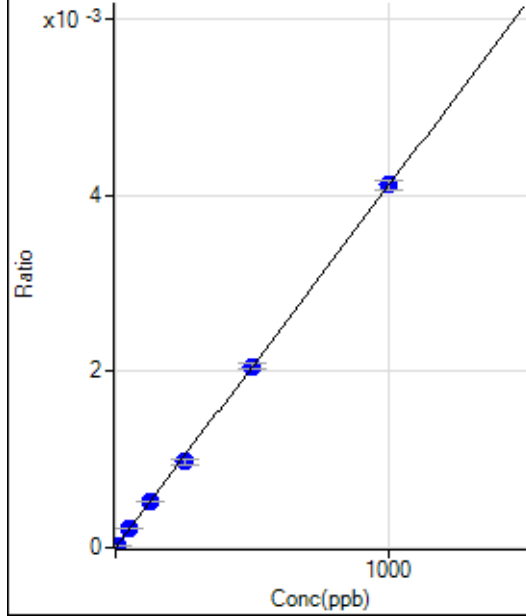
$$DL = 0.05102$$

$$BEC = 0.04834$$

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    | 5.281      | 21.11   | 0.0000 | P   | 63.3 |
| 3 | <input type="checkbox"/> | 50.000   | 51.036     | 206.67  | 0.0002 | P   | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 127.534    | 500.01  | 0.0005 | P   | 2.6  |
| 5 | <input type="checkbox"/> | 250.000  | 236.500    | 914.48  | 0.0010 | P   | 5.9  |
| 6 | <input type="checkbox"/> | 500.000  | 501.653    | 1899.03 | 0.0021 | P   | 3.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.179   | 3776.07 | 0.0041 | P   | 3.0  |
| 8 | <input type="checkbox"/> |          |            | 1.11    | 0.0000 | P   | 173. |

$$y = 4.1095\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

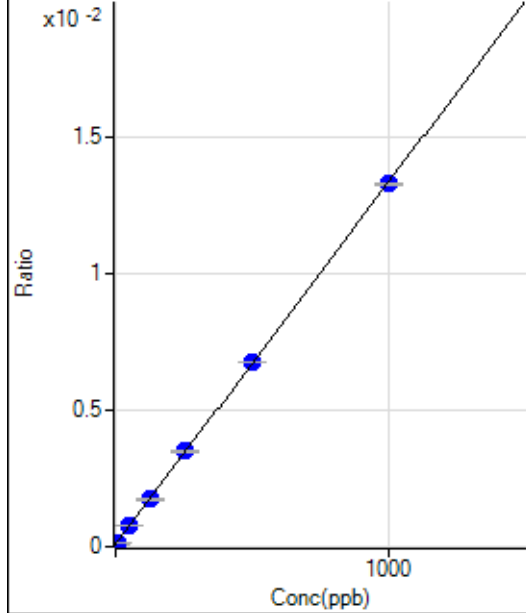
$$DL = 0$$

$$BEC = 0$$

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      | 81.11    | 0.0001 | P   | 8.8  |
| 2 | <input type="checkbox"/> | 5.000    | 4.575      | 140.00   | 0.0001 | P   | 19.7 |
| 3 | <input type="checkbox"/> | 50.000   | 52.986     | 775.59   | 0.0008 | P   | 2.1  |
| 4 | <input type="checkbox"/> | 125.000  | 125.257    | 1666.78  | 0.0017 | P   | 2.8  |
| 5 | <input type="checkbox"/> | 250.000  | 257.894    | 3301.51  | 0.0035 | P   | 2.3  |
| 6 | <input type="checkbox"/> | 500.000  | 504.279    | 6245.82  | 0.0068 | P   | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.708    | 12199.55 | 0.0133 | P   | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 70.00    | 0.0001 | P   | 16.4 |

$$y = 1.3279\text{E-}005 * x + 8.3557\text{E-}005$$

$$R = 0.9999$$

$$DL = 1.662$$

$$BEC = 6.292$$

Weight: &lt;None&gt;

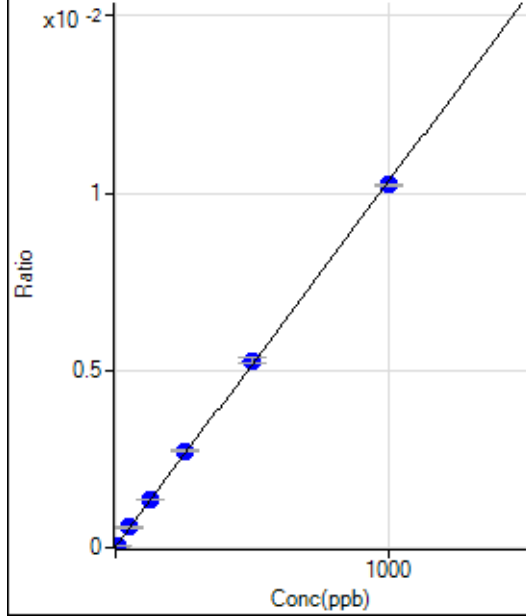
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 17780.83 |       | P        | 2.8 |
| 2 | <input type="checkbox"/> |       |            | 17928.75 |       | P        | 0.2 |
| 3 | <input type="checkbox"/> |       |            | 17937.68 |       | P        | 1.7 |
| 4 | <input type="checkbox"/> |       |            | 17262.40 |       | P        | 2.3 |
| 5 | <input type="checkbox"/> |       |            | 16793.01 |       | P        | 2.0 |
| 6 | <input type="checkbox"/> |       |            | 16292.41 |       | P        | 2.0 |
| 7 | <input type="checkbox"/> |       |            | 16612.76 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> |       |            | 17743.01 |       | P        | 2.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 36.66 |       | P        | 15.7 |
| 2 | <input type="checkbox"/> |       |            | 37.78 |       | P        | 25.5 |
| 3 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 30.1 |
| 4 | <input type="checkbox"/> |       |            | 36.67 |       | P        | 27.3 |
| 5 | <input type="checkbox"/> |       |            | 42.22 |       | P        | 25.4 |
| 6 | <input type="checkbox"/> |       |            | 41.11 |       | P        | 12.4 |
| 7 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 20.0 |
| 8 | <input type="checkbox"/> |       |            | 37.78 |       | P        | 13.5 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 83.83    | 0.0000 | P    | 15.6 |
| 2 | <input type="checkbox"/> | 5.000    | 5.407      | 297.41   | 0.0001 | P    | 6.7  |
| 3 | <input type="checkbox"/> | 50.000   | 53.922     | 2284.80  | 0.0006 | P    | 6.1  |
| 4 | <input type="checkbox"/> | 125.000  | 130.328    | 5416.61  | 0.0014 | P    | 2.0  |
| 5 | <input type="checkbox"/> | 250.000  | 262.389    | 10606.40 | 0.0027 | P    | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 510.121    | 20125.61 | 0.0053 | P    | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.978    | 38989.44 | 0.0102 | P    | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 129.88   | 0.0000 | P    | 36.0 |

$$y = 1.0302\text{E-}005 * x + 2.1043\text{E-}005$$

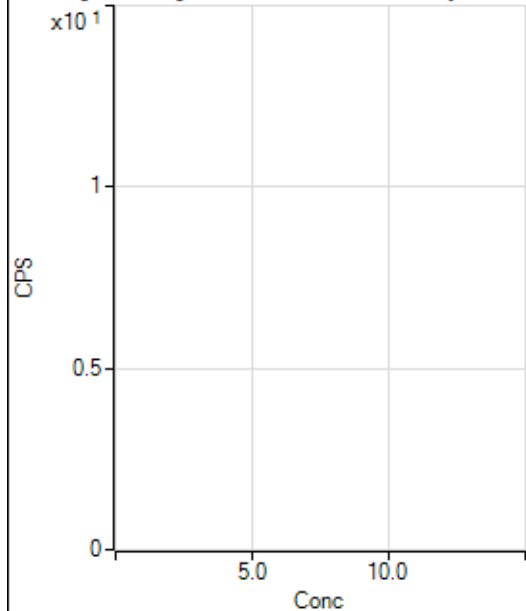
$$R = 0.9998$$

$$DL = 0.9541$$

$$BEC = 2.043$$

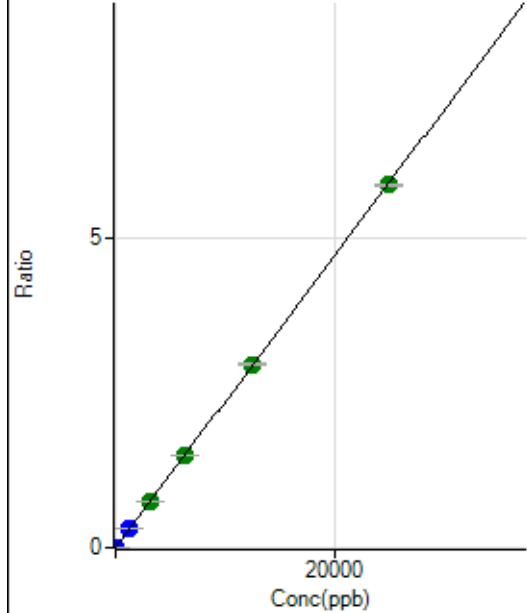
Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS   | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|-------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 32.22 |       | P    | 46.6 |
| 2 | <input type="checkbox"/> |       |            | 43.33 |       | P    | 15.4 |
| 3 | <input type="checkbox"/> |       |            | 35.55 |       | P    | 19.5 |
| 4 | <input type="checkbox"/> |       |            | 36.67 |       | P    | 9.1  |
| 5 | <input type="checkbox"/> |       |            | 48.89 |       | P    | 39.4 |
| 6 | <input type="checkbox"/> |       |            | 47.78 |       | P    | 29.0 |
| 7 | <input type="checkbox"/> |       |            | 70.00 |       | P    | 12.6 |
| 8 | <input type="checkbox"/> |       |            | 46.67 |       | P    | 58.5 |

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 97.78       | 0.0000 | P    | 26.3 |
| 2 | <input type="checkbox"/> | 1.000     | 1.066      | 1062.27     | 0.0003 | P    | 13.5 |
| 3 | <input type="checkbox"/> | 1250.000  | 1282.986   | 1196201.77  | 0.3017 | P    | 3.0  |
| 4 | <input type="checkbox"/> | 3125.000  | 3179.925   | 2969879.50  | 0.7477 | A    | 1.7  |
| 5 | <input type="checkbox"/> | 6250.000  | 6349.391   | 5812408.80  | 1.4929 | A    | 0.4  |
| 6 | <input type="checkbox"/> | 12500.000 | 12607.267  | 11307384.28 | 2.9643 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 25000.000 | 24913.004  | 22324588.83 | 5.8578 | A    | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 7407.49     | 0.0020 | P    | 3.0  |

$$y = 2.3513E-004 * x + 2.4575E-005$$

$$R = 1.0000$$

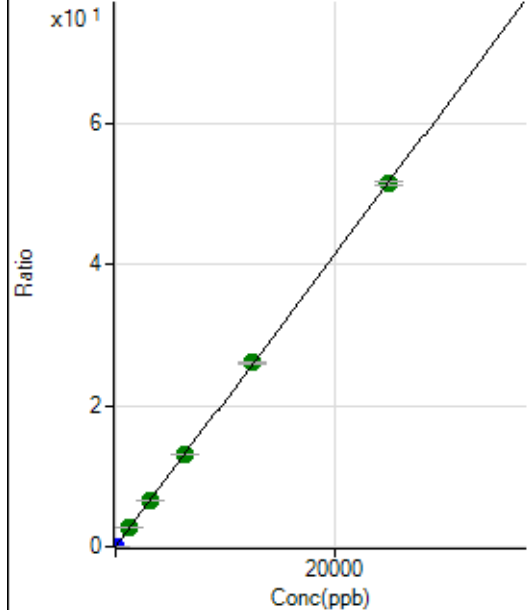
$$DL = 0.08243$$

$$BEC = 0.1045$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 170.00      | 0.0000  | P    | 13.4 |
| 2 | <input type="checkbox"/> | 1.000     | 1.036      | 8459.17     | 0.0022  | P    | 4.8  |
| 3 | <input type="checkbox"/> | 1250.000  | 1296.895   | 10632816.93 | 2.6818  | A    | 3.4  |
| 4 | <input type="checkbox"/> | 3125.000  | 3159.733   | 25952584.89 | 6.5339  | A    | 1.0  |
| 5 | <input type="checkbox"/> | 6250.000  | 6348.176   | 51106346.46 | 13.1271 | A    | 0.8  |
| 6 | <input type="checkbox"/> | 12500.000 | 12628.873  | 99614129.63 | 26.1146 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 25000.000 | 24904.333  | 196265761.5 | 51.4984 | A    | 1.1  |
| 8 | <input type="checkbox"/> |           |            | 65282.75    | 0.0172  | P    | 0.6  |

$$y = 0.0021 * x + 4.2688E-005$$

$$R = 1.0000$$

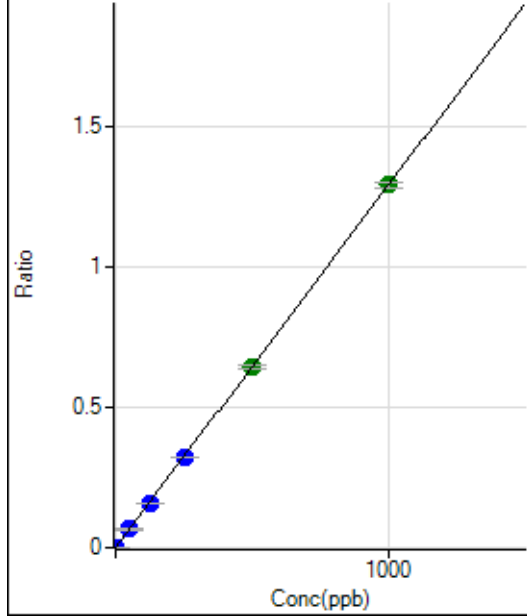
$$DL = 0.008306$$

$$BEC = 0.02064$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 151.11     | 0.0000 | P    | 15.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.935      | 4823.05    | 0.0012 | P    | 5.5  |
| 3 | <input type="checkbox"/> | 50.000   | 50.618     | 259475.33  | 0.0654 | P    | 3.0  |
| 4 | <input type="checkbox"/> | 125.000  | 124.068    | 636886.05  | 0.1603 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 249.815    | 1256776.20 | 0.3228 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 499.568    | 2462146.77 | 0.6455 | A    | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.348   | 4926072.08 | 1.2926 | A    | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 3345.97    | 0.0009 | P    | 3.5  |

$$y = 0.0013 * x + 3.7938E-005$$

$$R = 1.0000$$

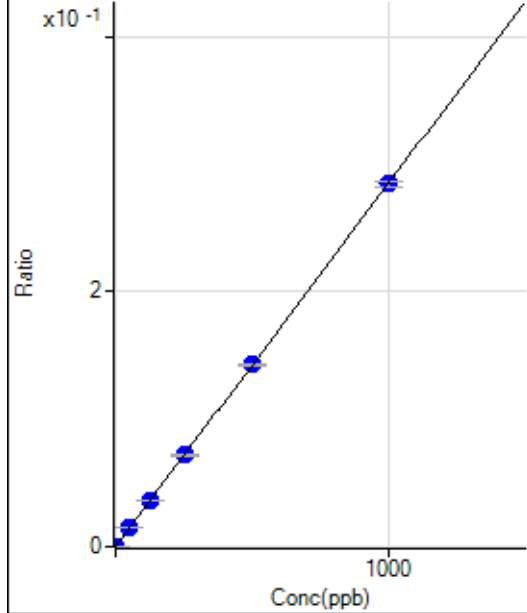
$$DL = 0.01354$$

$$BEC = 0.02936$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 23.33      | 0.0000 | P    | 37.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.980      | 1101.16    | 0.0003 | P    | 11.0 |
| 3 | <input type="checkbox"/> | 50.000   | 51.377     | 58102.09   | 0.0147 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 125.000  | 126.062    | 142759.51  | 0.0359 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 253.081    | 280887.51  | 0.0721 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 500.910    | 544682.20  | 0.1428 | P    | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.573    | 1084870.41 | 0.2847 | P    | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 761.14     | 0.0002 | P    | 9.1  |

$$y = 2.8506E-004 * x + 5.8563E-006$$

$$R = 1.0000$$

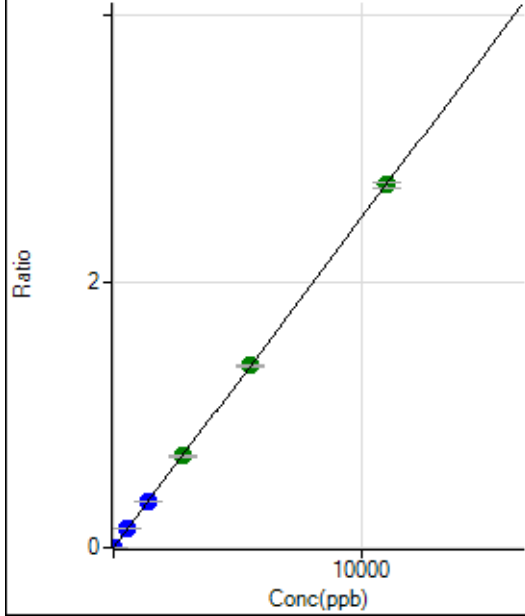
$$DL = 0.02315$$

$$BEC = 0.02054$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 111.11      | 0.0000 | P        | 20.2 |
| 2 | <input type="checkbox"/> | 5.000     | 6.016      | 5891.23     | 0.0015 | P        | 4.5  |
| 3 | <input type="checkbox"/> | 550.000   | 568.938    | 560470.30   | 0.1414 | P        | 2.9  |
| 4 | <input type="checkbox"/> | 1375.000  | 1383.013   | 1364647.97  | 0.3436 | P        | 0.9  |
| 5 | <input type="checkbox"/> | 2750.000  | 2777.017   | 2685624.41  | 0.6898 | A        | 1.2  |
| 6 | <input type="checkbox"/> | 5500.000  | 5509.175   | 5219892.80  | 1.3685 | A        | 1.7  |
| 7 | <input type="checkbox"/> | 11000.000 | 10986.709  | 10400967.07 | 2.7291 | A        | 1.3  |
| 8 | <input type="checkbox"/> |           |            | 7321.89     | 0.0019 | P        | 3.6  |

$$y = 2.4840\text{E-}004 * x + 2.7897\text{E-}005$$

$$R = 1.0000$$

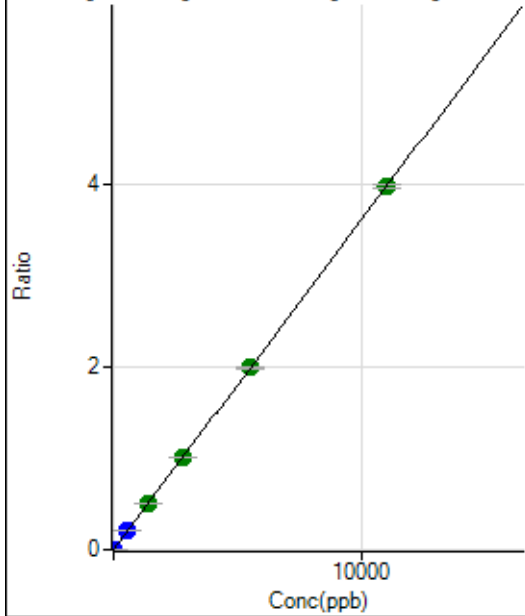
$$DL = 0.06807$$

$$BEC = 0.1123$$

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<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 153.34      | 0.0000 | P        | 14.8 |
| 2 | <input type="checkbox"/> | 5.000     | 4.997      | 7132.91     | 0.0018 | P        | 7.8  |
| 3 | <input type="checkbox"/> | 550.000   | 566.945    | 812968.53   | 0.2050 | P        | 2.8  |
| 4 | <input type="checkbox"/> | 1375.000  | 1386.081   | 1990733.35  | 0.5012 | A        | 1.1  |
| 5 | <input type="checkbox"/> | 2750.000  | 2790.651   | 3928327.79  | 1.0090 | A        | 1.0  |
| 6 | <input type="checkbox"/> | 5500.000  | 5507.085   | 7595229.68  | 1.9912 | A        | 1.2  |
| 7 | <input type="checkbox"/> | 11000.000 | 10984.062  | 15135766.02 | 3.9715 | A        | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 10519.42    | 0.0028 | P        | 0.7  |

$$y = 3.6156\text{E-}004 * x + 3.8493\text{E-}005$$

$$R = 1.0000$$

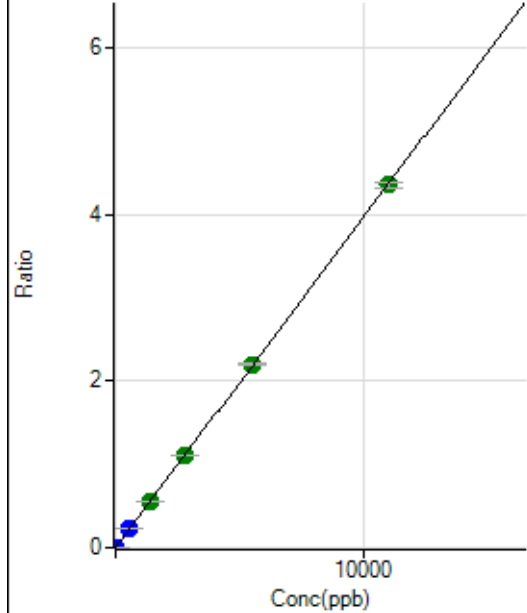
$$DL = 0.04739$$

$$BEC = 0.1065$$

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<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 98.89       | 0.0000 | P        | 10.7 |
| 2 | <input type="checkbox"/> | 5.000     | 5.080      | 7909.97     | 0.0020 | P        | 5.7  |
| 3 | <input type="checkbox"/> | 550.000   | 568.669    | 896547.57   | 0.2261 | P        | 3.3  |
| 4 | <input type="checkbox"/> | 1375.000  | 1386.596   | 2189896.91  | 0.5513 | A        | 0.6  |
| 5 | <input type="checkbox"/> | 2750.000  | 2780.546   | 4304139.93  | 1.1056 | A        | 0.9  |
| 6 | <input type="checkbox"/> | 5500.000  | 5542.516   | 8405657.37  | 2.2037 | A        | 1.6  |
| 7 | <input type="checkbox"/> | 11000.000 | 10968.723  | 16620733.08 | 4.3611 | A        | 1.5  |
| 8 | <input type="checkbox"/> |           |            | 12655.55    | 0.0033 | P        | 2.4  |

$$y = 3.9759\text{E-}004 * x + 2.4842\text{E-}005$$

$$R = 1.0000$$

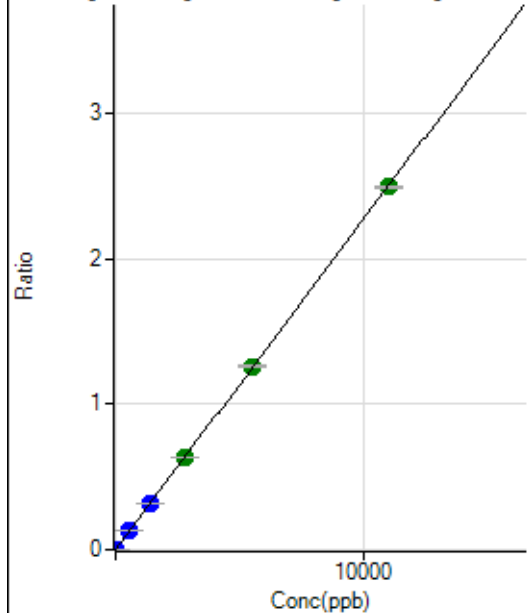
$$DL = 0.02007$$

$$BEC = 0.06248$$

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<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 77.78      | 0.0000 | P        | 22.4 |
| 2 | <input type="checkbox"/> | 5.000     | 5.036      | 4510.74    | 0.0012 | P        | 6.8  |
| 3 | <input type="checkbox"/> | 550.000   | 568.834    | 513732.98  | 0.1296 | P        | 3.0  |
| 4 | <input type="checkbox"/> | 1375.000  | 1382.385   | 1250555.93 | 0.3148 | P        | 0.8  |
| 5 | <input type="checkbox"/> | 2750.000  | 2787.454   | 2471444.74 | 0.6348 | A        | 1.7  |
| 6 | <input type="checkbox"/> | 5500.000  | 5546.373   | 4818147.40 | 1.2631 | A        | 1.2  |
| 7 | <input type="checkbox"/> | 11000.000 | 10965.585  | 9517521.11 | 2.4973 | A        | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 6504.84    | 0.0017 | P        | 2.4  |

$$y = 2.2774\text{E-}004 * x + 1.9544\text{E-}005$$

$$R = 1.0000$$

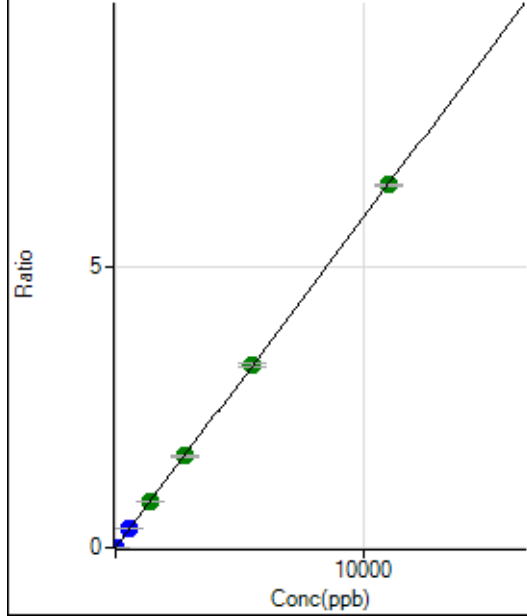
$$DL = 0.05775$$

$$BEC = 0.08582$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 153.34      | 0.0000 | P   | 17.4 |
| 2 | <input type="checkbox"/> | 5.000     | 4.960      | 11456.78    | 0.0030 | P   | 4.7  |
| 3 | <input type="checkbox"/> | 550.000   | 565.701    | 1321736.43  | 0.3333 | P   | 2.7  |
| 4 | <input type="checkbox"/> | 1375.000  | 1376.914   | 3222417.04  | 0.8113 | A   | 0.4  |
| 5 | <input type="checkbox"/> | 2750.000  | 2779.477   | 6375307.19  | 1.6376 | A   | 1.6  |
| 6 | <input type="checkbox"/> | 5500.000  | 5533.760   | 12436138.98 | 3.2603 | A   | 1.5  |
| 7 | <input type="checkbox"/> | 11000.000 | 10974.726  | 24642585.19 | 6.4660 | A   | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 16983.32    | 0.0045 | P   | 0.6  |

$$y = 5.8917\text{E-}004 * x + 3.8527\text{E-}005$$

$$R = 1.0000$$

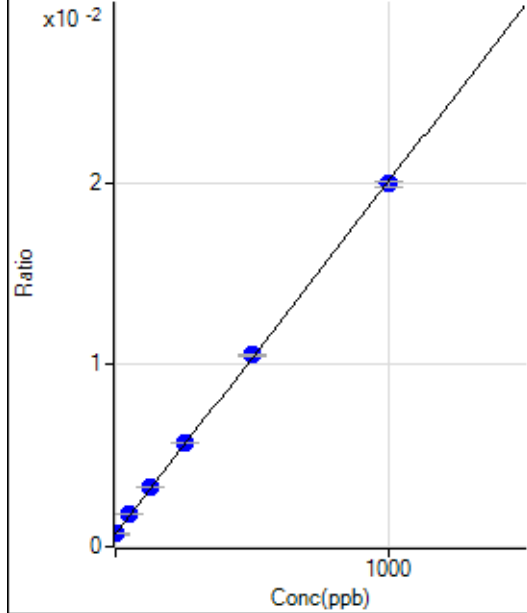
$$DL = 0.03423$$

$$BEC = 0.06539$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3218.17  | 0.0007 | P   | 3.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.708      | 3243.73  | 0.0007 | P   | 2.8 |
| 3 | <input type="checkbox"/> | 50.000   | 57.046     | 8314.68  | 0.0018 | P   | 1.0 |
| 4 | <input type="checkbox"/> | 125.000  | 134.358    | 15241.41 | 0.0033 | P   | 0.3 |
| 5 | <input type="checkbox"/> | 250.000  | 258.208    | 26352.84 | 0.0057 | P   | 0.7 |
| 6 | <input type="checkbox"/> | 500.000  | 506.977    | 47792.73 | 0.0105 | P   | 1.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 992.937    | 91336.87 | 0.0199 | P   | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 3151.49  | 0.0007 | P   | 1.8 |

$$y = 1.9365\text{E-}005 * x + 6.8821\text{E-}004$$

$$R = 0.9999$$

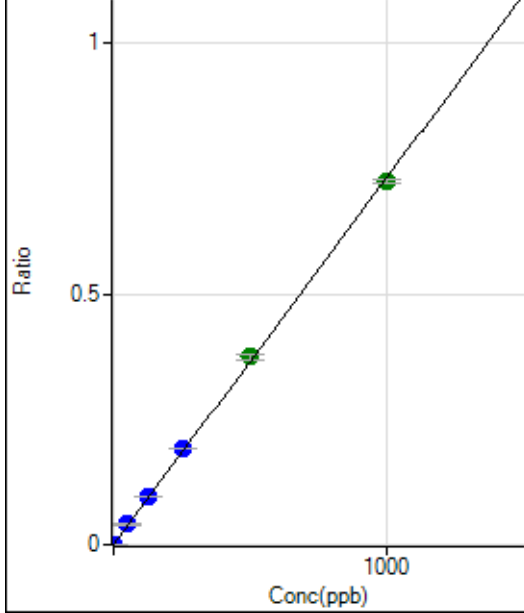
$$DL = 3.655$$

$$BEC = 35.54$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 58.89      | 0.0000 | P        | 33.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.016      | 3393.76    | 0.0008 | P        | 4.3  |
| 3 | <input type="checkbox"/> | 50.000   | 55.085     | 186460.78  | 0.0402 | P        | 3.7  |
| 4 | <input type="checkbox"/> | 125.000  | 132.962    | 449915.56  | 0.0971 | P        | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 262.478    | 888181.71  | 0.1917 | P        | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 511.724    | 1700220.08 | 0.3738 | A        | 2.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.769    | 3315443.60 | 0.7229 | A        | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 1114.50    | 0.0003 | P        | 9.5  |

$$y = 7.3041\text{E-}004 * x + 1.2614\text{E-}005$$

$$R = 0.9998$$

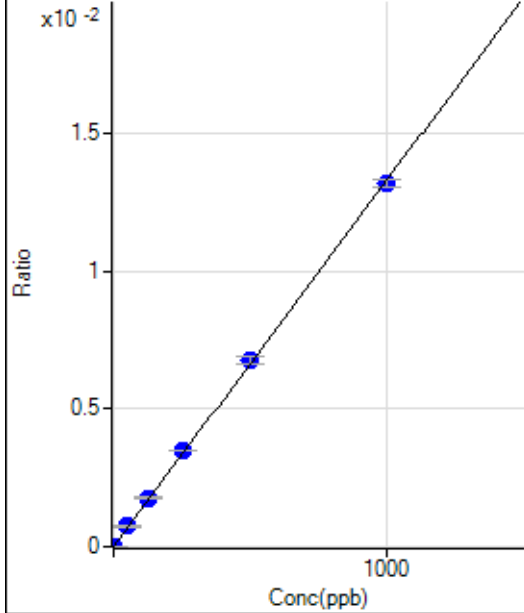
$$DL = 0.0174$$

$$BEC = 0.01727$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 7.78     | 0.0000 | P        | 49.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.104      | 73.33    | 0.0000 | P        | 25.2 |
| 3 | <input type="checkbox"/> | 50.000   | 55.062     | 3402.66  | 0.0007 | P        | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 133.563    | 8239.07  | 0.0018 | P        | 1.7  |
| 5 | <input type="checkbox"/> | 250.000  | 261.235    | 16110.10 | 0.0035 | P        | 0.3  |
| 6 | <input type="checkbox"/> | 500.000  | 509.134    | 30818.32 | 0.0068 | P        | 3.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.301    | 60494.14 | 0.0132 | P        | 2.0  |
| 8 | <input type="checkbox"/> |          |            | 148.89   | 0.0000 | P        | 21.5 |

$$y = 1.3305\text{E-}005 * x + 1.6587\text{E-}006$$

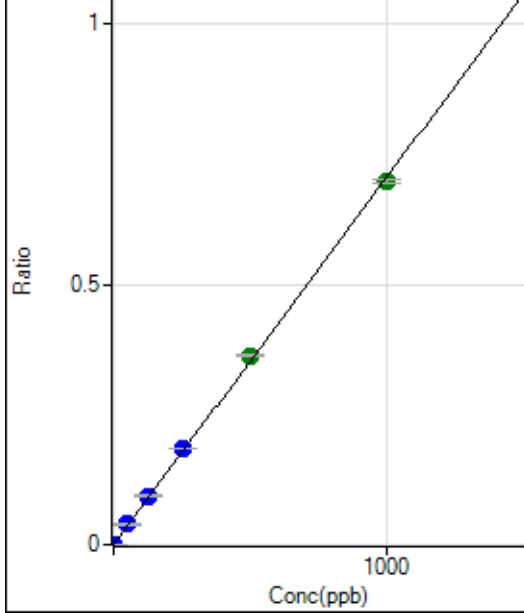
$$R = 0.9999$$

$$DL = 0.1834$$

$$BEC = 0.1247$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 28.89      | 0.0000 | P    | 23.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.980      | 3129.26    | 0.0007 | P    | 8.6  |
| 3 | <input type="checkbox"/> | 50.000   | 55.087     | 180014.76  | 0.0389 | P    | 3.7  |
| 4 | <input type="checkbox"/> | 125.000  | 132.712    | 433543.72  | 0.0936 | P    | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 260.519    | 851141.60  | 0.1837 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 515.709    | 1654445.67 | 0.3637 | A    | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 988.298    | 3196368.49 | 0.6970 | A    | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 1301.55    | 0.0003 | P    | 28.4 |

$$y = 7.0523\text{E-}004 * x + 6.1763\text{E-}006$$

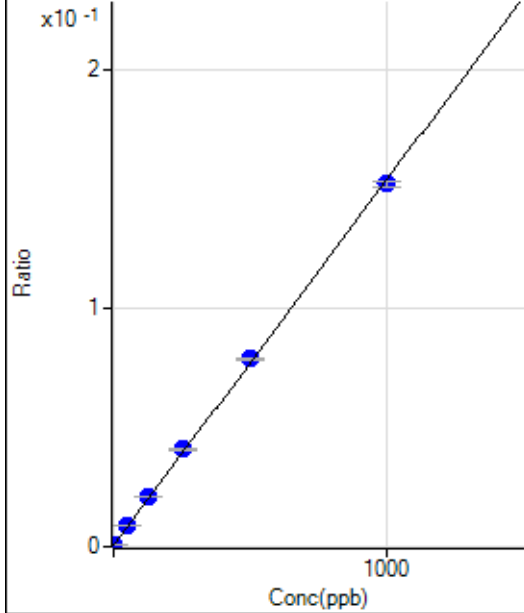
$$R = 0.9997$$

$$DL = 0.00624$$

$$BEC = 0.008758$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2256.17   | 0.0005 | P    | 3.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.187      | 2989.30   | 0.0007 | P    | 1.6 |
| 3 | <input type="checkbox"/> | 50.000   | 55.386     | 41507.20  | 0.0090 | P    | 3.1 |
| 4 | <input type="checkbox"/> | 125.000  | 134.103    | 97289.24  | 0.0210 | P    | 1.4 |
| 5 | <input type="checkbox"/> | 250.000  | 263.258    | 188848.64 | 0.0408 | P    | 1.3 |
| 6 | <input type="checkbox"/> | 500.000  | 511.108    | 357990.44 | 0.0787 | P    | 1.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 989.724    | 696742.72 | 0.1519 | P    | 1.8 |
| 8 | <input type="checkbox"/> |          |            | 2416.27   | 0.0005 | P    | 1.0 |

$$y = 1.5302\text{E-}004 * x + 4.8249\text{E-}004$$

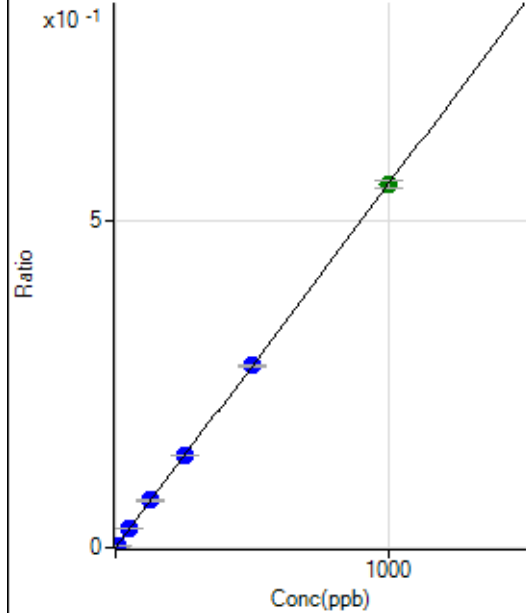
$$R = 0.9998$$

$$DL = 0.3039$$

$$BEC = 3.153$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 518.91     | 0.0001 | P        | 12.3 |
| 2 | <input type="checkbox"/> | 5.000    | 5.088      | 13215.03   | 0.0029 | P        | 3.9  |
| 3 | <input type="checkbox"/> | 50.000   | 52.737     | 136311.52  | 0.0294 | P        | 4.1  |
| 4 | <input type="checkbox"/> | 125.000  | 129.407    | 333713.47  | 0.0720 | P        | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 254.569    | 656011.82  | 0.1416 | P        | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 500.687    | 1266535.28 | 0.2784 | P        | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.826    | 2543983.17 | 0.5547 | A        | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 2243.53    | 0.0005 | P        | 2.5  |

$$y = 5.5585\text{E-}004 * x + 1.1099\text{E-}004$$

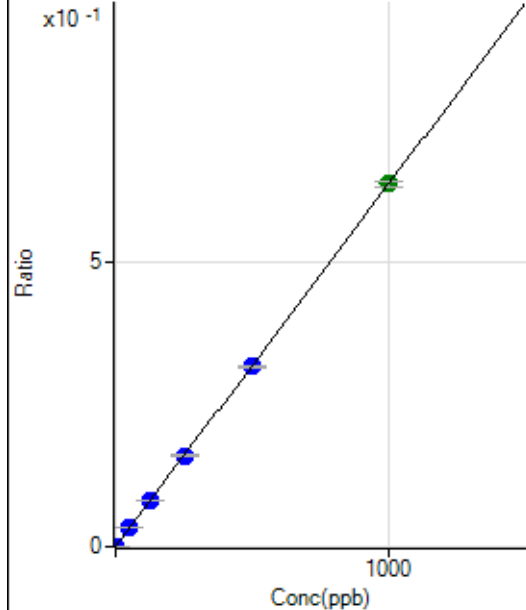
$$R = 1.0000$$

$$DL = 0.07371$$

$$BEC = 0.1997$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 20.00      | 0.0000 | P        | 34.2 |
| 2 | <input type="checkbox"/> | 2.000    | 2.088      | 6003.53    | 0.0013 | P        | 5.7  |
| 3 | <input type="checkbox"/> | 50.000   | 51.626     | 152588.31  | 0.0329 | P        | 3.6  |
| 4 | <input type="checkbox"/> | 125.000  | 127.623    | 377106.13  | 0.0814 | P        | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 251.448    | 743050.86  | 0.1604 | P        | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 496.335    | 1440245.24 | 0.3166 | P        | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.061   | 2928361.63 | 0.6386 | A        | 1.9  |
| 8 | <input type="checkbox"/> |          |            | 2620.27    | 0.0006 | P        | 5.2  |

$$y = 6.3788\text{E-}004 * x + 4.2869\text{E-}006$$

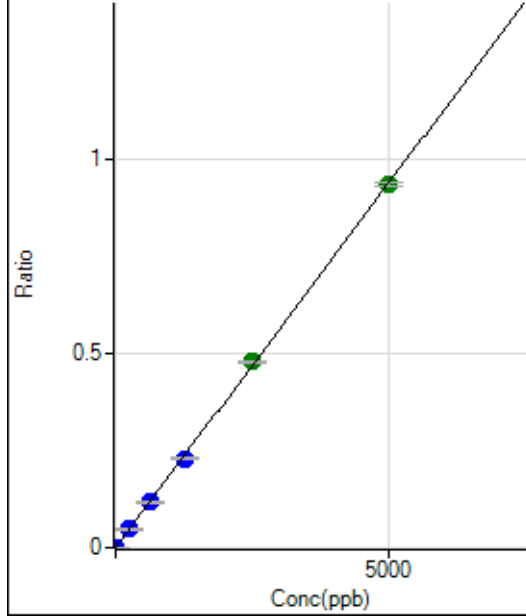
$$R = 1.0000$$

$$DL = 0.006901$$

$$BEC = 0.00672$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 17.78      | 0.0000 | P        | 21.8 |
| 2 | <input type="checkbox"/> | 10.000   | 9.616      | 8120.17    | 0.0018 | P        | 3.6  |
| 3 | <input type="checkbox"/> | 250.000  | 252.164    | 218906.10  | 0.0473 | P        | 3.8  |
| 4 | <input type="checkbox"/> | 625.000  | 621.779    | 539681.73  | 0.1165 | P        | 0.9  |
| 5 | <input type="checkbox"/> | 1250.000 | 1226.506   | 1064613.28 | 0.2298 | P        | 1.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2553.743   | 2176882.28 | 0.4785 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 5000.000 | 4979.297   | 4278751.67 | 0.9330 | A        | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 1940.15    | 0.0004 | P        | 6.0  |

$$y = 1.8737\text{E-}004 * x + 3.8032\text{E-}006$$

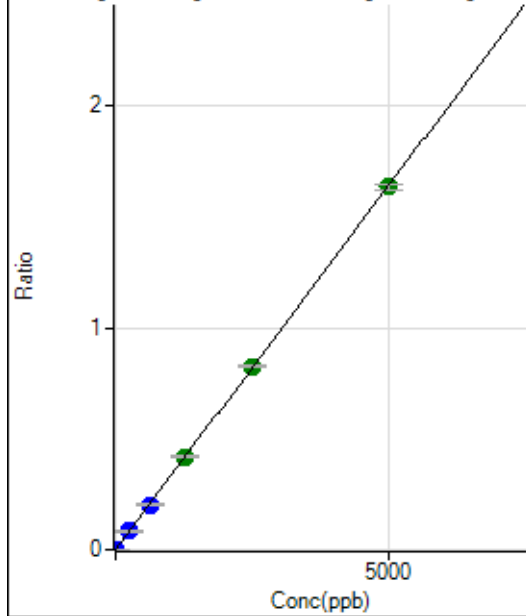
$$R = 0.9999$$

$$DL = 0.01327$$

$$BEC = 0.0203$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 28.89      | 0.0000 | P        | 34.3 |
| 2 | <input type="checkbox"/> | 10.000   | 9.839      | 14539.73   | 0.0032 | P        | 5.1  |
| 3 | <input type="checkbox"/> | 250.000  | 251.283    | 382098.97  | 0.0825 | P        | 3.8  |
| 4 | <input type="checkbox"/> | 625.000  | 618.034    | 939607.70  | 0.2028 | P        | 1.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1277.981   | 1943010.21 | 0.4194 | A        | 1.5  |
| 6 | <input type="checkbox"/> | 2500.000 | 2518.418   | 3759989.74 | 0.8266 | A        | 1.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4984.602   | 7502309.89 | 1.6360 | A        | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 3374.88    | 0.0008 | P        | 1.2  |

$$y = 3.2820\text{E-}004 * x + 6.1908\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.0194$$

$$BEC = 0.01886$$

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"/> |       |            | 1.11    |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 4.45    |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 82.22   |       | P        | 4.7  |
| 4 | <input type="checkbox"/> |       |            | 194.45  |       | P        | 4.3  |
| 5 | <input type="checkbox"/> |       |            | 373.34  |       | P        | 3.2  |
| 6 | <input type="checkbox"/> |       |            | 754.47  |       | P        | 2.4  |
| 7 | <input type="checkbox"/> |       |            | 1532.32 |       | P        | 4.3  |
| 8 | <input type="checkbox"/> |       |            | 68.89   |       | P        | 7.4  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 43.4 |
| 2 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 50.0 |
| 3 | <input type="checkbox"/> |       |            | 13.33  |       | P        | 25.0 |
| 4 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 40.1 |
| 5 | <input type="checkbox"/> |       |            | 98.89  |       | P        | 26.2 |
| 6 | <input type="checkbox"/> |       |            | 187.78 |       | P        | 9.8  |
| 7 | <input type="checkbox"/> |       |            | 335.56 |       | P        | 9.6  |
| 8 | <input type="checkbox"/> |       |            | 36.67  |       | P        | 36.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 114. |
| 3 | <input type="checkbox"/> |       |            | 32.22  |       | P        | 33.3 |
| 4 | <input type="checkbox"/> |       |            | 42.22  |       | P        | 35.6 |
| 5 | <input type="checkbox"/> |       |            | 95.56  |       | P        | 26.6 |
| 6 | <input type="checkbox"/> |       |            | 182.22 |       | P        | 2.1  |
| 7 | <input type="checkbox"/> |       |            | 406.68 |       | P        | 3.6  |
| 8 | <input type="checkbox"/> |       |            | 161.11 |       | P        | 6.0  |

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

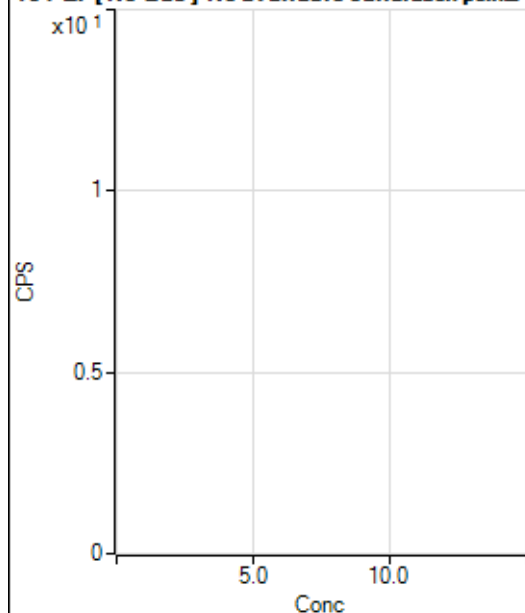
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00   |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 5.55   |       | P        | 124. |
| 3 | <input type="checkbox"/> |       |            | 23.34  |       | P        | 65.5 |
| 4 | <input type="checkbox"/> |       |            | 36.67  |       | P        | 48.1 |
| 5 | <input type="checkbox"/> |       |            | 91.11  |       | P        | 9.2  |
| 6 | <input type="checkbox"/> |       |            | 150.00 |       | P        | 9.7  |
| 7 | <input type="checkbox"/> |       |            | 335.56 |       | P        | 2.5  |
| 8 | <input type="checkbox"/> |       |            | 87.78  |       | P        | 26.7 |

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

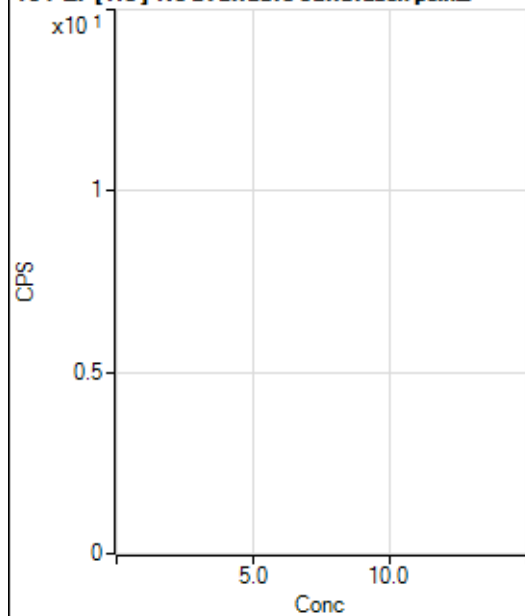
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 24.45  |       | P        | 15.8 |
| 2 | <input type="checkbox"/> |       |            | 17.78  |       | P        | 28.6 |
| 3 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 59.2 |
| 4 | <input type="checkbox"/> |       |            | 30.00  |       | P        | 40.1 |
| 5 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 21.8 |
| 6 | <input type="checkbox"/> |       |            | 78.89  |       | P        | 24.4 |
| 7 | <input type="checkbox"/> |       |            | 172.22 |       | P        | 15.5 |
| 8 | <input type="checkbox"/> |       |            | 124.45 |       | P        | 7.7  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 187.78 |       | P        | 13.1 |
| 2 | <input type="checkbox"/> |       |            | 177.78 |       | P        | 5.4  |
| 3 | <input type="checkbox"/> |       |            | 203.34 |       | P        | 5.9  |
| 4 | <input type="checkbox"/> |       |            | 193.34 |       | P        | 6.2  |
| 5 | <input type="checkbox"/> |       |            | 211.12 |       | P        | 11.4 |
| 6 | <input type="checkbox"/> |       |            | 237.78 |       | P        | 4.0  |
| 7 | <input type="checkbox"/> |       |            | 257.79 |       | P        | 11.7 |
| 8 | <input type="checkbox"/> |       |            | 266.67 |       | P        | 7.8  |

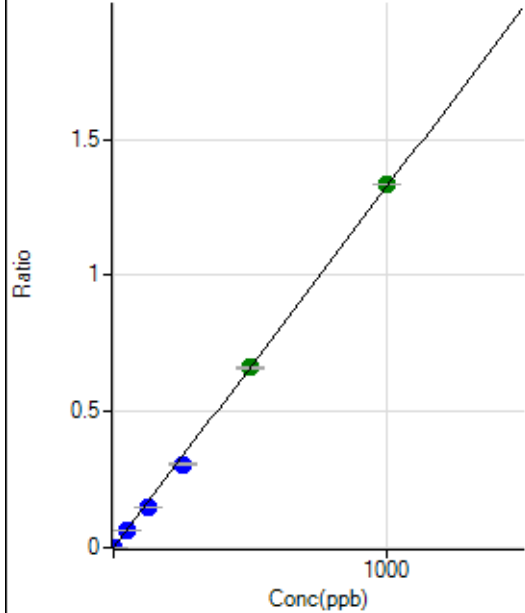
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 30.00  |       | P        | 38.5 |
| 2 | <input type="checkbox"/> |       |            | 43.33  |       | P        | 7.7  |
| 3 | <input type="checkbox"/> |       |            | 36.67  |       | P        | 9.1  |
| 4 | <input type="checkbox"/> |       |            | 53.33  |       | P        | 32.5 |
| 5 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 17.5 |
| 6 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 20.7 |
| 7 | <input type="checkbox"/> |       |            | 141.11 |       | P        | 15.7 |
| 8 | <input type="checkbox"/> |       |            | 142.23 |       | P        | 1.4  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 20.00  |       | P        | 33.4 |
| 2 | <input type="checkbox"/> |       |            | 23.33  |       | P        | NaN  |
| 3 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 18.3 |
| 4 | <input type="checkbox"/> |       |            | 28.89  |       | P        | 46.6 |
| 5 | <input type="checkbox"/> |       |            | 40.00  |       | P        | 14.4 |
| 6 | <input type="checkbox"/> |       |            | 53.33  |       | P        | 25.0 |
| 7 | <input type="checkbox"/> |       |            | 133.34 |       | P        | 2.5  |
| 8 | <input type="checkbox"/> |       |            | 101.11 |       | P        | 20.1 |

203 TI [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      | 105.56     | 0.0000 | P    | 13.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.894      | 3789.45    | 0.0012 | P    | 5.0  |
| 3 | <input type="checkbox"/> | 50.000   | 46.316     | 200736.16  | 0.0613 | P    | 2.6  |
| 4 | <input type="checkbox"/> | 125.000  | 113.056    | 494019.46  | 0.1496 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 230.716    | 984881.97  | 0.3053 | P    | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 499.521    | 2093894.19 | 0.6610 | A    | 1.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.738   | 4091511.22 | 1.3321 | A    | 0.1  |
| 8 | <input type="checkbox"/> |          |            | 1007.83    | 0.0004 | P    | 9.0  |

$$y = 0.0013 * x + 3.3218E-005$$

$$R = 0.9998$$

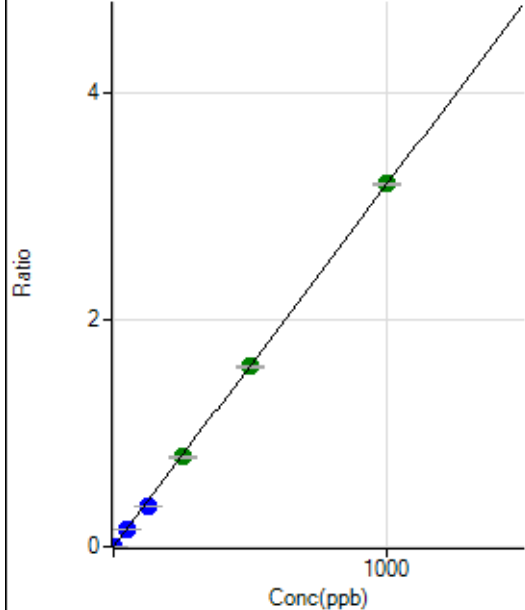
$$DL = 0.01044$$

$$BEC = 0.02511$$

Weight: &lt;None&gt;

Min Conc: 0

205 TI [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      | 242.23     | 0.0001 | P    | 12.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.910      | 9269.91    | 0.0030 | P    | 5.2  |
| 3 | <input type="checkbox"/> | 50.000   | 46.230     | 482243.82  | 0.1473 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 113.731    | 1196127.86 | 0.3623 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 248.438    | 2552352.20 | 0.7912 | A    | 2.3  |
| 6 | <input type="checkbox"/> | 500.000  | 497.853    | 5023081.10 | 1.5855 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.061   | 9811633.88 | 3.1943 | A    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 2602.50    | 0.0010 | P    | 12.2 |

$$y = 0.0032 * x + 7.6209E-005$$

$$R = 0.9999$$

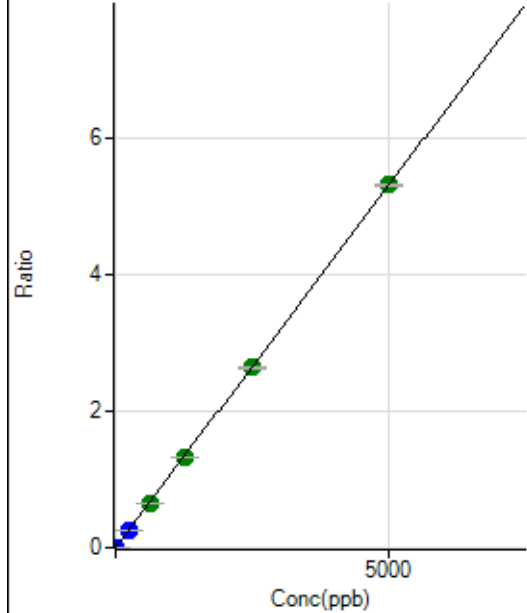
$$DL = 0.008906$$

$$BEC = 0.02393$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 207.78      | 0.0001 | P        | 3.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.919      | 3237.08     | 0.0010 | P        | 6.9 |
| 3 | <input type="checkbox"/> | 250.000  | 236.539    | 821126.56   | 0.2508 | P        | 2.8 |
| 4 | <input type="checkbox"/> | 625.000  | 619.111    | 2167142.14  | 0.6564 | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1250.000 | 1246.119   | 4261620.49  | 1.3210 | A        | 1.2 |
| 6 | <input type="checkbox"/> | 2500.000 | 2485.655   | 8347620.15  | 2.6350 | A        | 1.9 |
| 7 | <input type="checkbox"/> | 5000.000 | 5009.552   | 16311405.45 | 5.3105 | A        | 0.6 |
| 8 | <input type="checkbox"/> |          |            | 8368.19     | 0.0031 | P        | 2.0 |

$$y = 0.0011 * x + 6.5349E-005$$

$$R = 1.0000$$

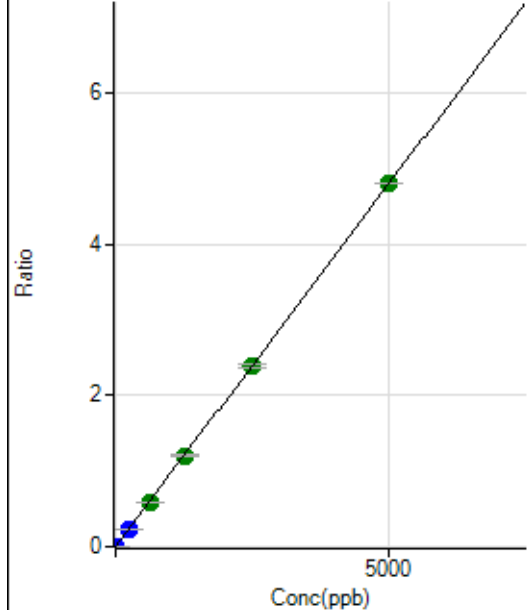
$$DL = 0.005649$$

$$BEC = 0.06165$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 216.67      | 0.0001 | P        | 2.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.913      | 2940.35     | 0.0009 | P        | 4.4 |
| 3 | <input type="checkbox"/> | 250.000  | 230.792    | 724729.53   | 0.2214 | P        | 2.4 |
| 4 | <input type="checkbox"/> | 625.000  | 616.011    | 1950489.03  | 0.5907 | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1250.000 | 1258.615   | 3893252.96  | 1.2069 | A        | 1.6 |
| 6 | <input type="checkbox"/> | 2500.000 | 2487.656   | 7556624.33  | 2.3853 | A        | 1.9 |
| 7 | <input type="checkbox"/> | 5000.000 | 5006.102   | 14743832.00 | 4.8001 | A        | 0.1 |
| 8 | <input type="checkbox"/> |          |            | 7526.59     | 0.0028 | P        | 2.8 |

$$y = 9.5884E-004 * x + 6.8144E-005$$

$$R = 1.0000$$

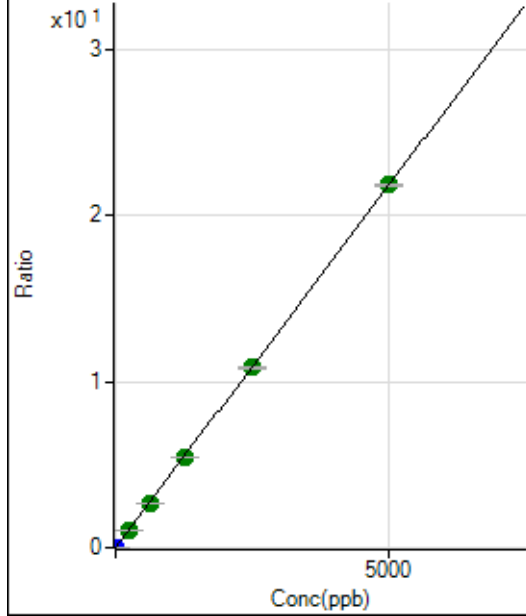
$$DL = 0.005017$$

$$BEC = 0.07107$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 905.58      | 0.0003  | P    | 2.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.912      | 13273.79    | 0.0043  | P    | 5.5 |
| 3 | <input type="checkbox"/> | 250.000  | 243.532    | 3475420.88  | 1.0616  | A    | 2.7 |
| 4 | <input type="checkbox"/> | 625.000  | 617.591    | 8887557.59  | 2.6917  | A    | 1.1 |
| 5 | <input type="checkbox"/> | 1250.000 | 1250.537   | 17581709.84 | 5.4500  | A    | 1.1 |
| 6 | <input type="checkbox"/> | 2500.000 | 2483.036   | 34280903.10 | 10.8211 | A    | 1.8 |
| 7 | <input type="checkbox"/> | 5000.000 | 5009.597   | 67057304.14 | 21.8315 | A    | 0.6 |
| 8 | <input type="checkbox"/> |          |            | 34361.87    | 0.0127  | P    | 3.3 |

$$y = 0.0044 * x + 2.8481E-004$$

$$R = 1.0000$$

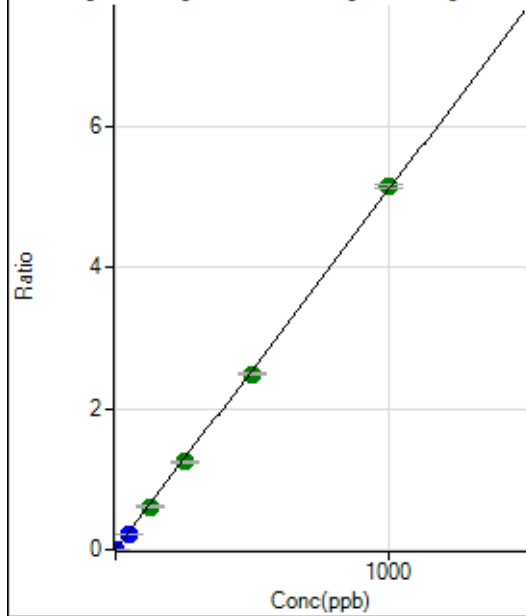
$$DL = 0.00523$$

$$BEC = 0.06536$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 23.33       | 0.0000 | P    | 13.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.841      | 13362.37    | 0.0043 | P    | 6.5  |
| 3 | <input type="checkbox"/> | 50.000   | 43.507     | 725360.84   | 0.2216 | P    | 2.4  |
| 4 | <input type="checkbox"/> | 125.000  | 119.562    | 2010516.90  | 0.6088 | A    | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 244.481    | 4016173.21  | 1.2449 | A    | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 487.635    | 7866839.54  | 2.4831 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.567   | 15775290.74 | 5.1358 | A    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 2962.58     | 0.0011 | P    | 5.5  |

$$y = 0.0051 * x + 7.3333E-006$$

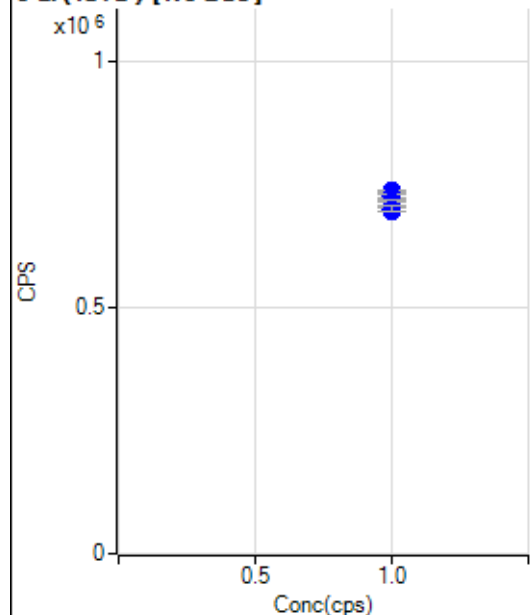
$$R = 0.9999$$

$$DL = 0.0005882$$

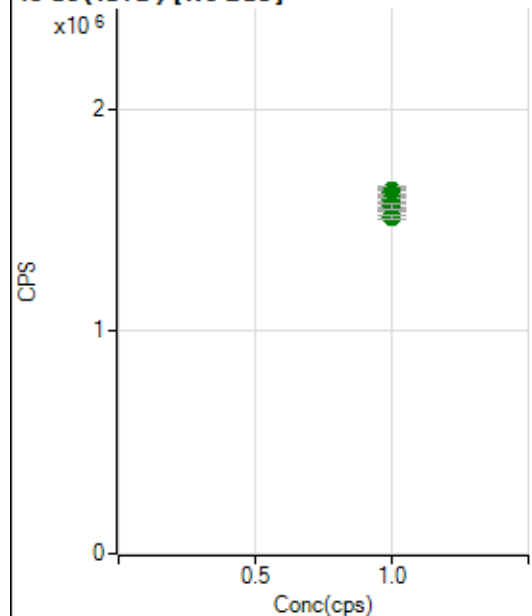
$$BEC = 0.00144$$

Weight: &lt;None&gt;

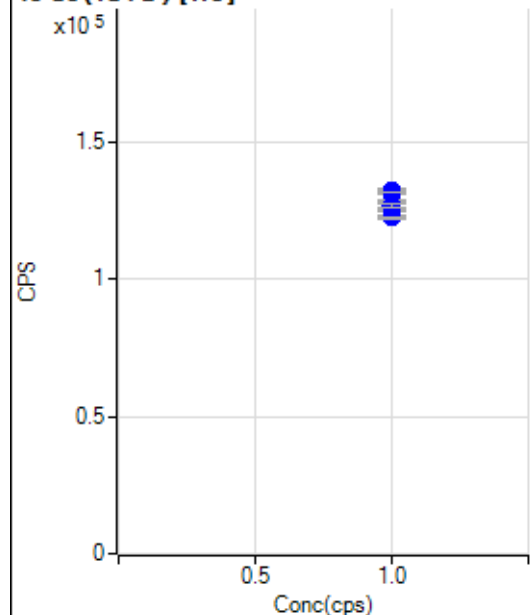
Min Conc: 0

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

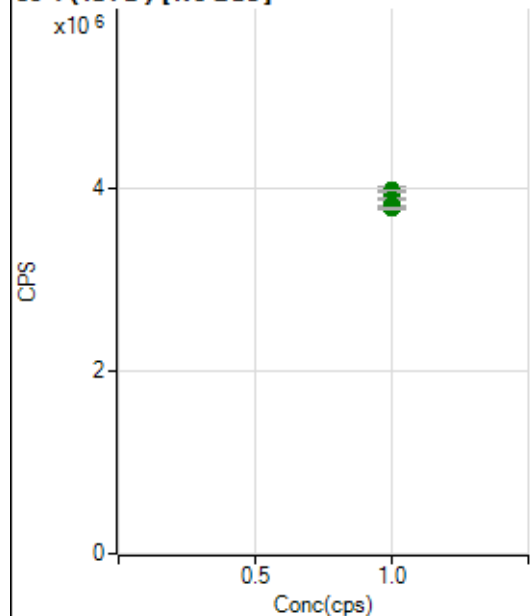
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 738013.97 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 720799.76 |       | P        | 4.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 732902.24 |       | P        | 2.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 726818.98 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 717038.45 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 698595.34 |       | P        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 696184.83 |       | P        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 701260.81 |       | P        | 1.4 |

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

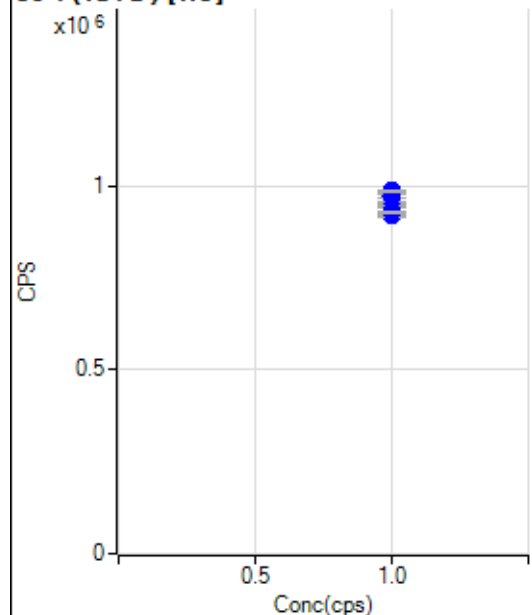
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1633172.56 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1590263.69 |       | A        | 5.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1631338.15 |       | A        | 2.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1616892.25 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1593860.05 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1549109.39 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1514013.36 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1562651.45 |       | A        | 1.6 |

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

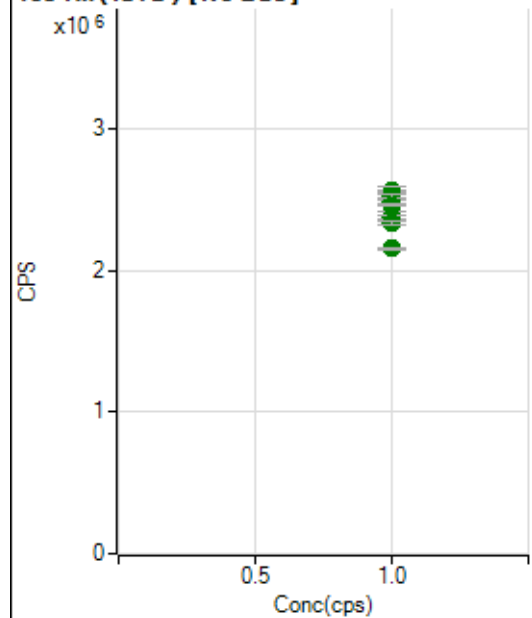
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 132223.78 |       | P        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 132062.24 |       | P        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 131608.37 |       | P        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 128481.01 |       | P        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 125312.52 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 123045.28 |       | P        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 122325.10 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 126855.17 |       | P        | 0.6 |

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

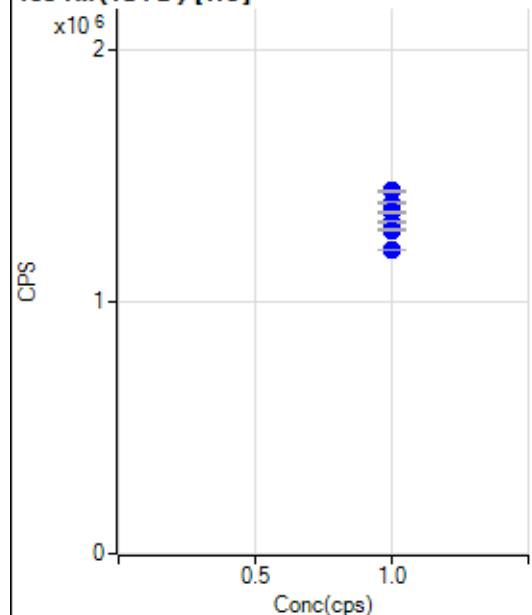
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3981948.17 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3875941.78 |       | A        | 5.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3967205.74 |       | A        | 2.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3972080.05 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3893341.40 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3814629.87 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3811130.43 |       | A        | 0.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3792785.19 |       | A        | 0.3 |

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

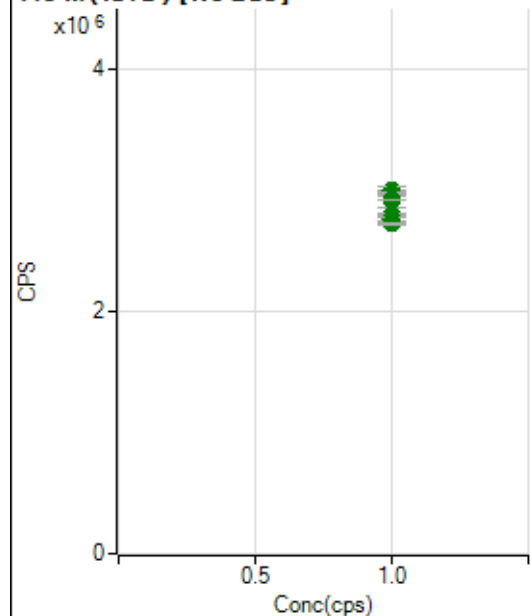
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 970392.43 |       | P        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 970639.16 |       | P        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 985372.13 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 954081.52 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 941053.01 |       | P        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 921221.33 |       | P        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 916875.59 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 927573.13 |       | P        | 0.4 |

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

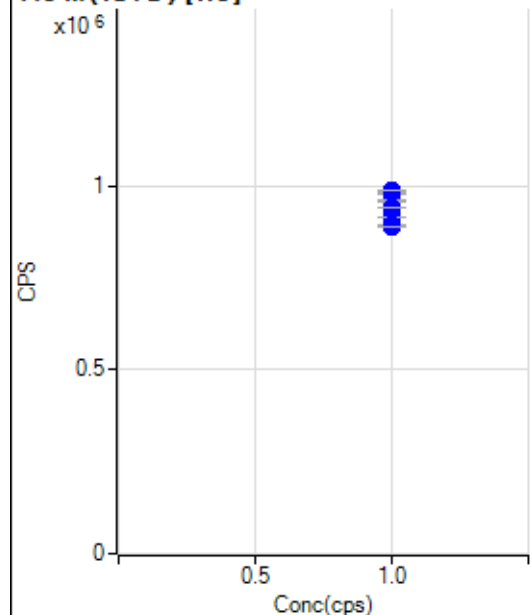
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2562417.97 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2487575.80 |       | A        | 5.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2546446.21 |       | A        | 3.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2529819.37 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2460393.76 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2376704.34 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2335262.32 |       | A        | 1.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2154098.16 |       | A        | 0.9 |

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

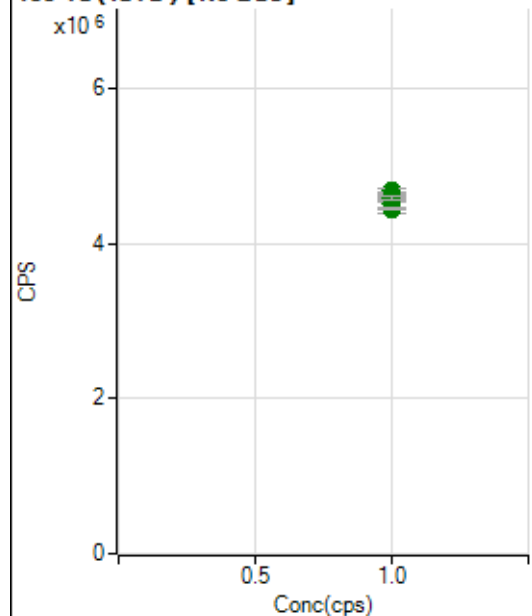
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1439705.67 |       | P        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1439841.12 |       | P        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1440692.86 |       | P        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1391914.41 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1357439.48 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1316764.83 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1285251.68 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1206830.03 |       | P        | 0.6 |

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

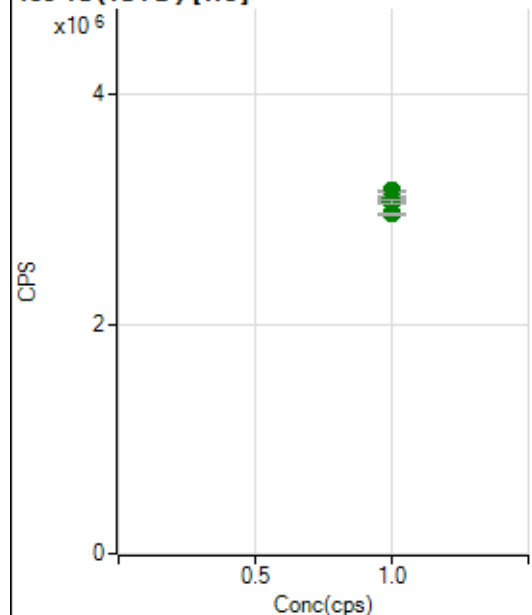
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2987328.29 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2926930.93 |       | A        | 4.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2997236.42 |       | A        | 2.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2973044.87 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2921539.42 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2803423.24 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2767778.39 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2728749.76 |       | A        | 0.8 |

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

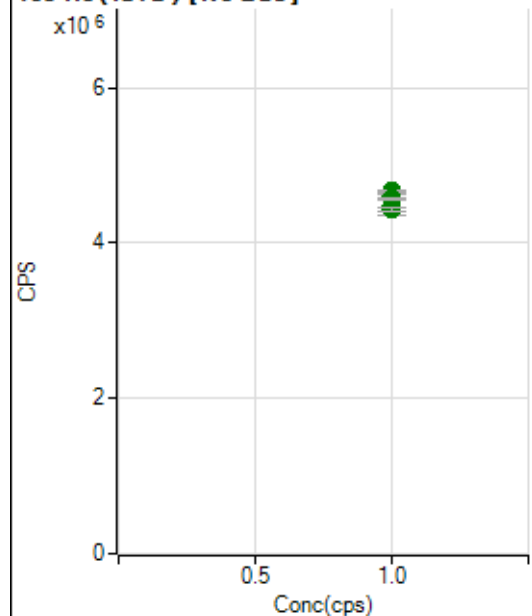
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 980200.68 |       | P        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 982210.32 |       | P        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 986783.03 |       | P        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 959902.56 |       | P        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 942655.96 |       | P        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 915566.09 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 892430.91 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 888247.94 |       | P        | 0.4 |

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

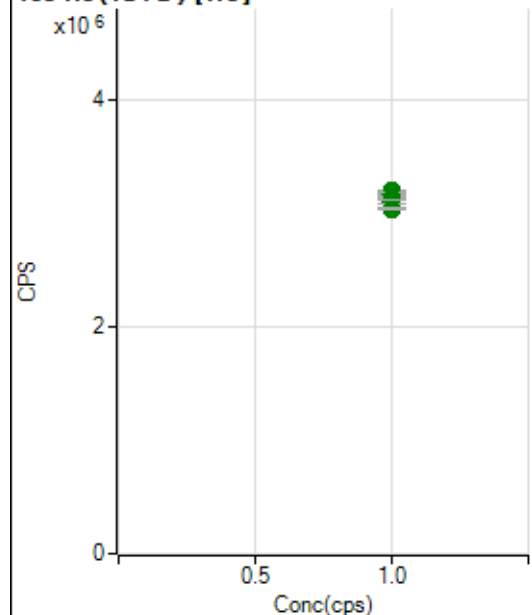
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4675272.60 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4501372.54 |       | A        | 5.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4636504.41 |       | A        | 3.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4632467.36 |       | A        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4632617.54 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4549473.02 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4586275.90 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4444822.57 |       | A        | 0.7 |

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

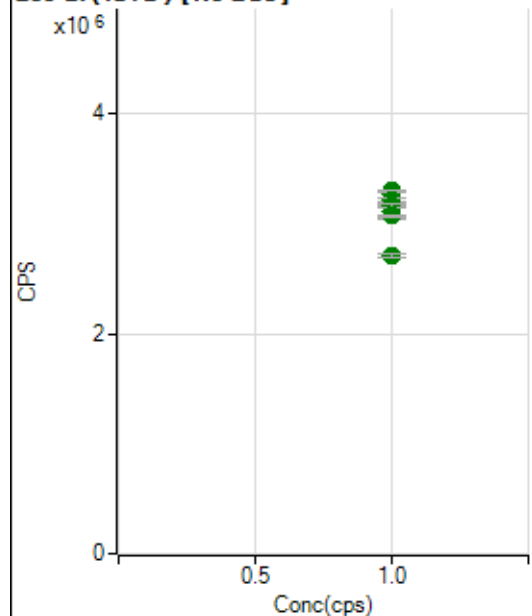
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3092452.94 |       | A        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3085129.88 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3161865.26 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3145842.21 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3102536.21 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3060212.91 |       | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3065313.88 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2959211.31 |       | A        | 0.9 |

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

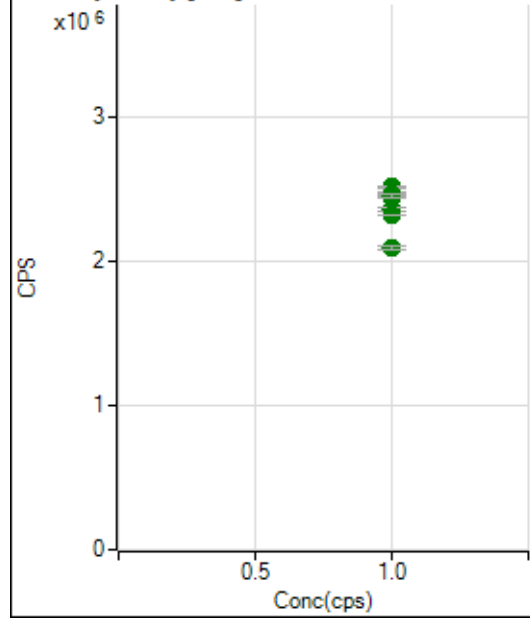
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4592962.88 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4468818.27 |       | A        | 4.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4623927.57 |       | A        | 2.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4640626.81 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4668547.68 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4565702.78 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4560911.67 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4427127.54 |       | A        | 1.0 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3143069.29 |       | A        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3144473.60 |       | A        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3202469.60 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3175292.10 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3173976.72 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3132686.34 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3111996.52 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3046489.78 |       | A        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3180011.20 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3120086.03 |       | A        | 4.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3274962.45 |       | A        | 1.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3302011.10 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3226248.46 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3168349.46 |       | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3071573.67 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2713524.06 |       | A        | 1.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2444125.50 |       | A        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2479562.44 |       | A        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2514013.68 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2465678.77 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2452382.41 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2360948.33 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2318138.49 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2090611.83 |       | A        | 1.3 |

# US EPA Tune Check Report

Operator Name                   Jaswal

Acq/Data Batch                 D:\Agilent\ICPMH\1\DATA\IP7062324-MS2.b

Acq. Date-Time                2024-06-24 15:26:45

Report Comment               ---

Instrument Name                G8403A JP14410463

[No Gas]

Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%   | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|--------|-----------------|
| 9    |              | 3529  | 35292.62  |                            |             | 0.372  | 5.000           |
| 24   |              | 30691 | 306909.19 |                            |             | 0.626  | 5.000           |
| 25   |              | 4086  | 40855.68  |                            |             | 0.245  | 5.000           |
| 26   |              | 4628  | 46278.71  |                            |             | 0.279  | 5.000           |
| 59   |              | 28175 | 281745.52 |                            |             | 0.651  | 5.000           |
| 113  |              | 4151  | 41506.32  |                            |             | 0.459  | 5.000           |
| 115  |              | 52244 | 522435.02 |                            |             | 0.469  | 5.000           |
| 206  |              | 15453 | 154527.72 |                            |             | 0.634  | 5.000           |
| 207  |              | 14228 | 142277.88 |                            |             | 0.519  | 5.000           |
| 208  |              | 33463 | 334627.87 |                            |             | 0.649  | 5.000           |
| 220  |              | 0     | 1.30      |                            |             | 21.066 |                 |

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

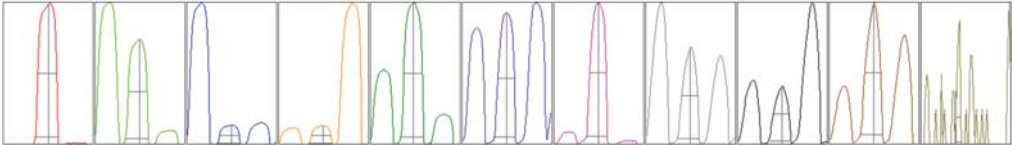
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 3513        | 3518        | 3543        | 3536        | 3537        |
| 24   | 30432       | 30542       | 30868       | 30825       | 30788       |
| 25   | 4071        | 4088        | 4099        | 4084        | 4084        |
| 26   | 4621        | 4612        | 4643        | 4625        | 4639        |
| 59   | 27883       | 28117       | 28329       | 28231       | 28313       |
| 113  | 4130        | 4139        | 4180        | 4147        | 4158        |
| 115  | 52135       | 51937       | 52606       | 52236       | 52304       |
| 206  | 15353       | 15360       | 15469       | 15498       | 15585       |
| 207  | 14143       | 14175       | 14284       | 14217       | 14320       |
| 208  | 33184       | 33323       | 33717       | 33463       | 33627       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 5829.77     | 9.05   | 8.90 - 9.10     |             |
| 24   | 50024.04    | 24.00  | 23.90 - 24.10   |             |
| 25   | 6531.79     | 25.00  | 24.90 - 25.10   |             |
| 26   | 7310.10     | 26.00  | 25.90 - 26.10   |             |
| 59   | 47051.80    | 58.95  | 58.90 - 59.10   |             |
| 113  | 7771.26     | 113.00 | 112.90 - 113.10 |             |
| 115  | 98129.16    | 115.00 | 114.90 - 115.10 |             |
| 206  | 30122.37    | 206.00 | 205.90 - 206.10 |             |
| 207  | 27618.77    | 207.00 | 206.90 - 207.10 |             |
| 208  | 66541.46    | 208.00 | 207.90 - 208.10 |             |
| 220  | 0.15        | 219.70 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.62  | 0.754 | 0.900           |             |
| 24   | 0.63  | 0.774 | 0.900           |             |
| 25   | 0.65  | 0.745 | 0.900           |             |
| 26   | 0.65  | 0.773 | 0.900           |             |
| 59   | 0.62  | 0.771 | 0.900           |             |
| 113  | 0.54  | 0.718 | 0.900           |             |
| 115  | 0.55  | 0.702 | 0.900           |             |
| 206  | 0.53  | 0.741 | 0.900           |             |
| 207  | 0.52  | 0.757 | 0.900           |             |
| 208  | 0.52  | 0.753 | 0.900           |             |
| 220  | 0.16  | 0.196 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.82 L/min Dilution Gas 0.40 L/min

# US EPA Tune Check Report

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

## Lens Parameters

|            |          |               |       |            |        |
|------------|----------|---------------|-------|------------|--------|
| Extract 1  | 0.0 V    | Omega Lens    | 8.8 V | Deflect    | 15.0 V |
| Extract 2  | -110.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -60 V    | Cell Exit     | -50 V |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 5.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 130 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 134 | Axis Gain   | 0.9973 | QP Bias | -3.0 V |
| Mass Offset | 130 | Axis Offset | 0.15   |         |        |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -0.4 mm | Torch V | 0.5 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.7 mV | Analog HV | 2311 V | Pulse HV | 1401 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 8275  | 82750.08  |                            |             | 0.211 |                 |
| 89   |              | 11677 | 116768.66 |                            |             | 0.212 |                 |
| 205  |              | 16440 | 164402.05 |                            |             | 0.256 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 8285        | 8280        | 8262        | 8296        | 8253        |
| 89   | 11715       | 11675       | 11649       | 11663       | 11682       |
| 205  | 16479       | 16438       | 16405       | 16393       | 16486       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |        |                |            |               |            |
|--------------|--------|----------------|------------|---------------|------------|
| Plasma Mode  | ---    | Nebulizer Gas  | 0.82 L/min | Dilution Gas  | 0.40 L/min |
| RF Power     | 1600 W | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 V | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 9.0 mm | S/C Temp       | 2 °C       |               |            |

## Lens Parameters

|           |       |            |       |         |       |
|-----------|-------|------------|-------|---------|-------|
| Extract 1 | 0.0 V | Omega Lens | 9.1 V | Deflect | 2.4 V |
|-----------|-------|------------|-------|---------|-------|

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|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -115.0 V   | Cell Entrance | -40 V   | Plate Bias            | -60 V   |
| Omega Bias               | -65 V      | Cell Exit     | -60 V   |                       |         |
| <b>Cell Parameters</b>   |            |               |         |                       |         |
| Use Gas                  | Yes        | 3rd Gas Flow  | ---     | Energy Discrimination | 5.0 V   |
| He Flow                  | 3.9 mL/min | OctP Bias     | -18.0 V |                       |         |
| H2 Flow                  | ---        | OctP RF       | 200 V   |                       |         |
| <b>QP Parameters</b>     |            |               |         |                       |         |
| Mass Gain                | 134        | Axis Gain     | 0.9973  | QP Bias               | -13.0 V |
| Mass Offset              | 130        | Axis Offset   | 0.15    |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | -0.4 mm    | Torch V       | 0.5 mm  |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 4.7 mV     | Analog HV     | 2311 V  | Pulse HV              | 1401 V  |