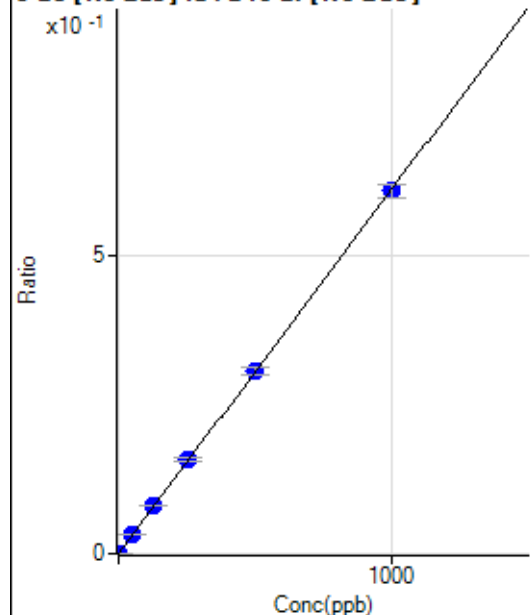


# Calibration for 010CALS.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7053023-MS.b\  
 Analysis File: P7053023-MS.batch.bin  
 DA Date-Time: 2023-05-31 00:19:54  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2023-05-30 13:51:17 |
| 2     | 005CALS.d          | S01         | 2023-05-30 13:54:33 |
| 3     | 006CALS.d          | S02         | 2023-05-30 13:57:51 |
| 4     | 007CALS.d          | S03         | 2023-05-30 14:01:07 |
| 5     | 008CALS.d          | S04         | 2023-05-30 14:04:24 |
| 6     | 009CALS.d          | S05         | 2023-05-30 14:07:30 |
| 7     | 010CALS.d          | S06         | 2023-05-30 14:10:32 |
| 8     | 011CALS.d          | S07         | 2023-05-30 14:13:25 |
| 9     | 012CALS.d          | S08         | 2023-05-30 14:16:15 |

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 10.00     | 0.0000 | P    | 88.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.116      | 64.44     | 0.0001 | P    | 18.2 |
| 3 | <input type="checkbox"/> | 1.000    | 0.973      | 462.24    | 0.0006 | P    | 4.3  |
| 4 | <input type="checkbox"/> | 50.000   | 53.434     | 25569.97  | 0.0326 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 125.000  | 131.776    | 61445.21  | 0.0803 | P    | 1.7  |
| 6 | <input type="checkbox"/> | 250.000  | 258.087    | 118682.09 | 0.1572 | P    | 2.8  |
| 7 | <input type="checkbox"/> | 500.000  | 501.085    | 227813.40 | 0.3052 | P    | 4.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.417    | 437021.00 | 0.6068 | P    | 3.5  |
| 9 | <input type="checkbox"/> |          |            | 416.67    | 0.0006 | P    | 15.9 |

$$y = 6.0897\text{E-}004 * x + 1.2892\text{E-}005$$

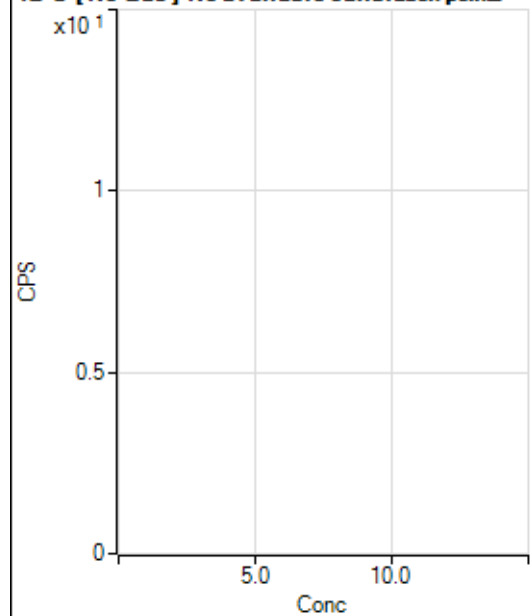
$$R = 0.9999$$

$$DL = 0.05622$$

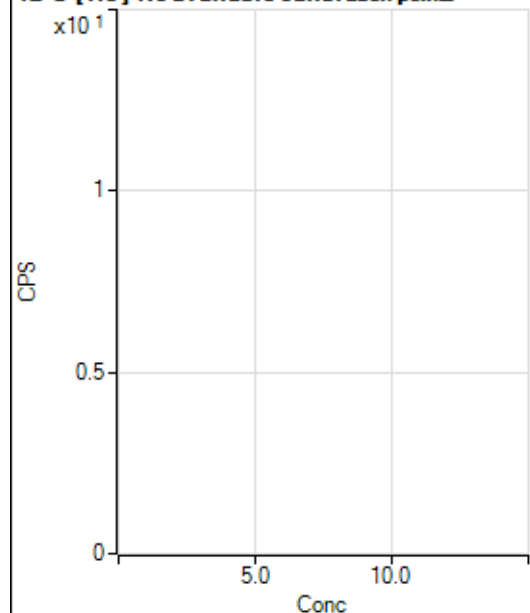
$$BEC = 0.02117$$

Weight: &lt;None&gt;

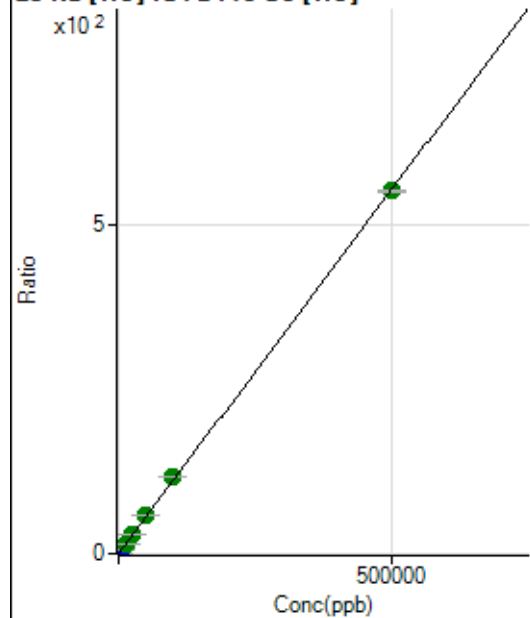
Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-----|-------|------|-----|
| 1 | <input type="checkbox"/> |       |            |     |       |      |     |
| 2 | <input type="checkbox"/> |       |            |     |       |      |     |
| 3 | <input type="checkbox"/> |       |            |     |       |      |     |
| 4 | <input type="checkbox"/> |       |            |     |       |      |     |
| 5 | <input type="checkbox"/> |       |            |     |       |      |     |
| 6 | <input type="checkbox"/> |       |            |     |       |      |     |
| 7 | <input type="checkbox"/> |       |            |     |       |      |     |
| 8 | <input type="checkbox"/> |       |            |     |       |      |     |
| 9 | <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"/> |       |            |     |       |          |     |
| 9 | <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      | 4454.02     | 0.0259   | P        | 3.1 |
| 2 | <input type="checkbox"/> | 50.000    | 49.807     | 13808.49    | 0.0809   | P        | 2.1 |
| 3 | <input type="checkbox"/> | 500.000   | 501.730    | 99246.73    | 0.5800   | P        | 1.2 |
| 4 | <input type="checkbox"/> | 5000.000  | 5534.770   | 1059270.67  | 6.1383   | P        | 0.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 13044.788  | 2442215.69  | 14.4322  | A        | 1.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 25756.078  | 4677113.71  | 28.4701  | A        | 1.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 52815.984  | 9424992.50  | 58.3541  | A        | 1.4 |
| 8 | <input type="checkbox"/> | 100000.00 | 105590.56  | 18532757.08 | 116.6365 | A        | 1.4 |
| 9 | <input type="checkbox"/> | 500000.00 | 498543.51  | 77220427.18 | 550.6002 | A        | 0.9 |

$$y = 0.0011 * x + 0.0259$$

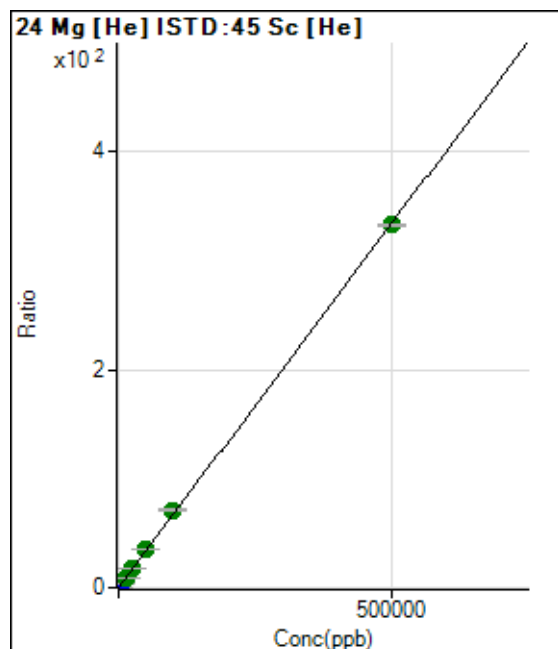
$$R = 0.9999$$

$$DL = 2.151$$

$$BEC = 23.49$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 967.81      | 0.0056   | P    | 2.4 |
| 2 | <input type="checkbox"/> | 50.000    | 51.361     | 6813.79     | 0.0399   | P    | 3.3 |
| 3 | <input type="checkbox"/> | 500.000   | 511.936    | 59473.20    | 0.3476   | P    | 1.1 |
| 4 | <input type="checkbox"/> | 5000.000  | 5629.306   | 649818.60   | 3.7657   | P    | 0.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 13443.904  | 1520390.51  | 8.9854   | A    | 2.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 26875.805  | 2949999.33  | 17.9571  | A    | 0.9 |
| 7 | <input type="checkbox"/> | 50000.000 | 53602.310  | 5783436.86  | 35.8089  | A    | 1.8 |
| 8 | <input type="checkbox"/> | 100000.00 | 106547.33  | 11308938.86 | 71.1730  | A    | 1.4 |
| 9 | <input type="checkbox"/> | 500000.00 | 498206.61  | 46670430.42 | 332.7786 | A    | 0.4 |

$$y = 6.6794\text{E-}004 * x + 0.0056$$

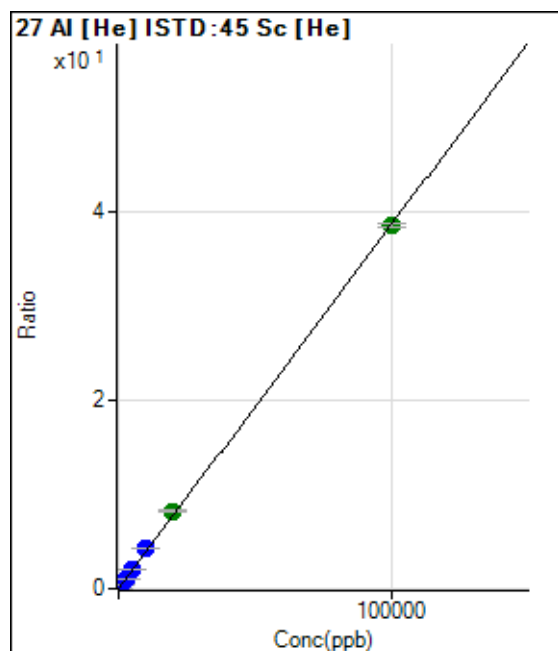
$$R = 0.9999$$

$$DL = 0.6053$$

$$BEC = 8.439$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 32.22      | 0.0002  | P    | 15.9 |
| 2 | <input type="checkbox"/> | 2.000     | 2.231      | 178.89     | 0.0010  | P    | 16.0 |
| 3 | <input type="checkbox"/> | 20.000    | 20.692     | 1397.85    | 0.0082  | P    | 5.9  |
| 4 | <input type="checkbox"/> | 1000.000  | 1113.653   | 74151.22   | 0.4297  | P    | 1.1  |
| 5 | <input type="checkbox"/> | 2500.000  | 2679.881   | 174939.01  | 1.0338  | P    | 1.9  |
| 6 | <input type="checkbox"/> | 5000.000  | 5374.077   | 340540.79  | 2.0729  | P    | 0.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 10980.339  | 684044.25  | 4.2352  | P    | 1.5  |
| 8 | <input type="checkbox"/> | 20000.000 | 21325.660  | 1306940.48 | 8.2253  | A    | 1.4  |
| 9 | <input type="checkbox"/> | 100000.00 | 99612.497  | 5388093.32 | 38.4197 | A    | 0.9  |

$$y = 3.8569\text{E-}004 * x + 1.8769\text{E-}004$$

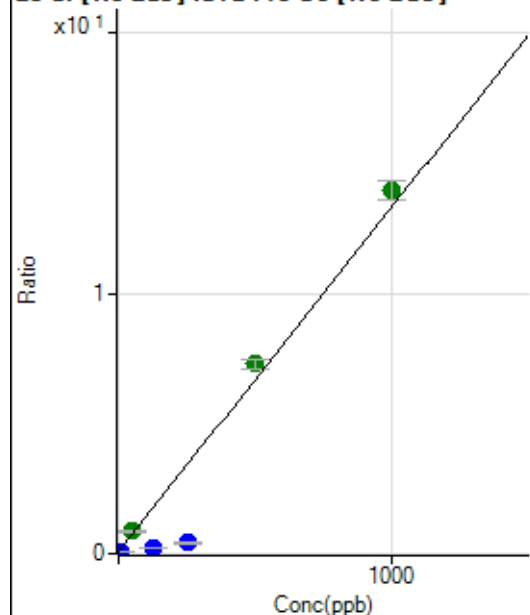
$$R = 0.9999$$

$$DL = 0.2326$$

$$BEC = 0.4866$$

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      | 156304.97   | 0.0864  | P    | 0.8 |
| 2 | <input type="checkbox"/> | 10.000   | 0.017      | 156134.11   | 0.0866  | P    | 1.6 |
| 3 | <input type="checkbox"/> | 10.000   | 0.700      | 170080.18   | 0.0957  | P    | 1.7 |
| 4 | <input type="checkbox"/> | 50.000   | 58.030     | 1581502.96  | 0.8538  | A    | 3.1 |
| 5 | <input type="checkbox"/> | 125.000  | 12.649     | 448288.80   | 0.2537  | P    | 3.1 |
| 6 | <input type="checkbox"/> | 250.000  | 24.454     | 726875.52   | 0.4098  | P    | 6.2 |
| 7 | <input type="checkbox"/> | 500.000  | 544.263    | 12815544.67 | 7.2839  | A    | 5.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 1048.090   | 24249930.47 | 13.9466 | A    | 5.1 |
| 9 | <input type="checkbox"/> |          |            | 347606.80   | 0.2231  | P    | 5.7 |

$$y = 0.0132 * x + 0.0864$$

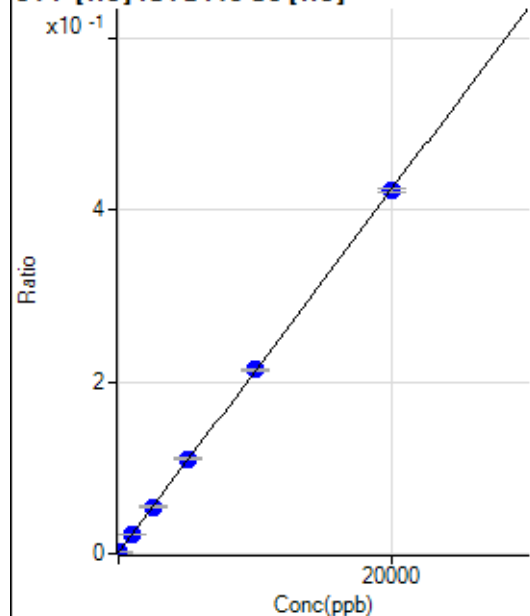
$$R = 0.9732$$

$$DL = 0.1602$$

$$BEC = 6.533$$

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     | -11.225    | 195.56   | 0.0011 | P    | 20.1 |
| 2 | <input type="checkbox"/> | 0.000     | -5.033     | 216.67   | 0.0013 | P    | 11.9 |
| 3 | <input type="checkbox"/> | 0.000     | 16.258     | 294.45   | 0.0017 | P    | 9.4  |
| 4 | <input type="checkbox"/> | 1000.000  | 1030.461   | 3998.34  | 0.0232 | P    | 2.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2530.086   | 9286.22  | 0.0549 | P    | 2.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 5178.979   | 18217.61 | 0.1109 | P    | 0.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 10055.161  | 34564.56 | 0.2140 | P    | 1.6  |
| 8 | <input type="checkbox"/> | 20000.000 | 19922.391  | 67159.66 | 0.4227 | P    | 1.2  |
| 9 | <input type="checkbox"/> |           |            | 198.89   | 0.0014 | P    | 8.9  |

$$y = 2.1146E-005 * x + 0.0014$$

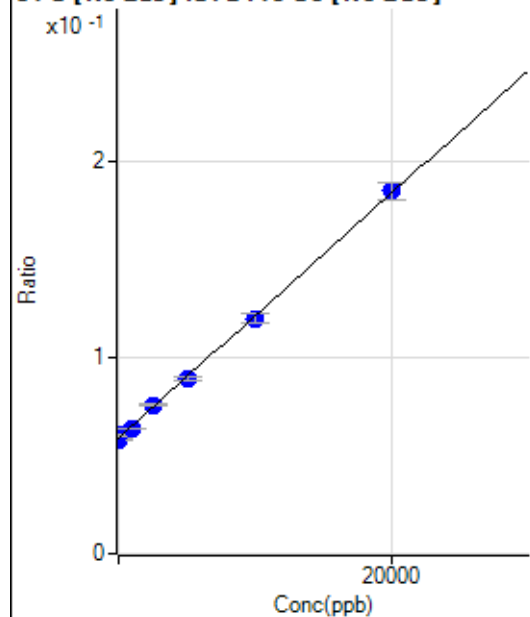
$$R = 1.0000$$

$$DL = 25.6$$

$$BEC = 65.08$$

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<br>. | RSD |
|---|--------------------------|-----------|------------|-----------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -146.813   | 105271.54 | 0.0582 | P        | 1.4 |
| 2 | <input type="checkbox"/> | 0.000     | -68.176    | 105767.18 | 0.0587 | P        | 1.8 |
| 3 | <input type="checkbox"/> | 0.000     | 214.988    | 107490.14 | 0.0605 | P        | 2.8 |
| 4 | <input type="checkbox"/> | 1000.000  | 747.105    | 118183.58 | 0.0638 | P        | 1.3 |
| 5 | <input type="checkbox"/> | 2500.000  | 2649.589   | 133761.69 | 0.0757 | P        | 1.2 |
| 6 | <input type="checkbox"/> | 5000.000  | 4881.739   | 159186.14 | 0.0897 | P        | 2.3 |
| 7 | <input type="checkbox"/> | 10000.000 | 9729.476   | 211257.93 | 0.1200 | P        | 4.1 |
| 8 | <input type="checkbox"/> | 20000.000 | 20158.773  | 322304.20 | 0.1853 | P        | 4.6 |
| 9 | <input type="checkbox"/> |           |            | 90423.15  | 0.0580 | P        | 1.2 |

$$y = 6.2616\text{E-}006 * x + 0.0591$$

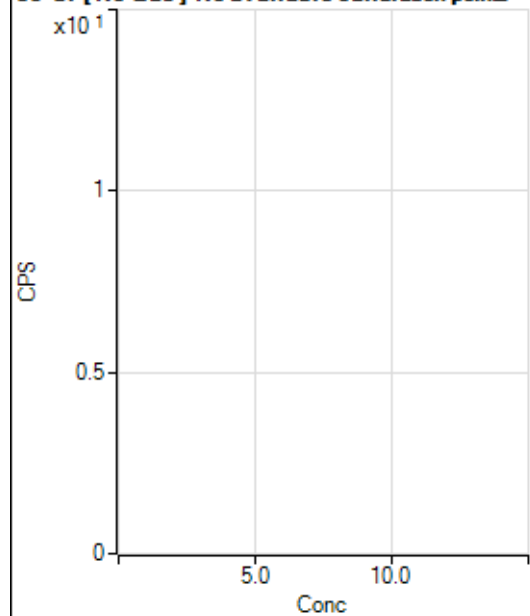
R = 0.9996

DL = 573.5

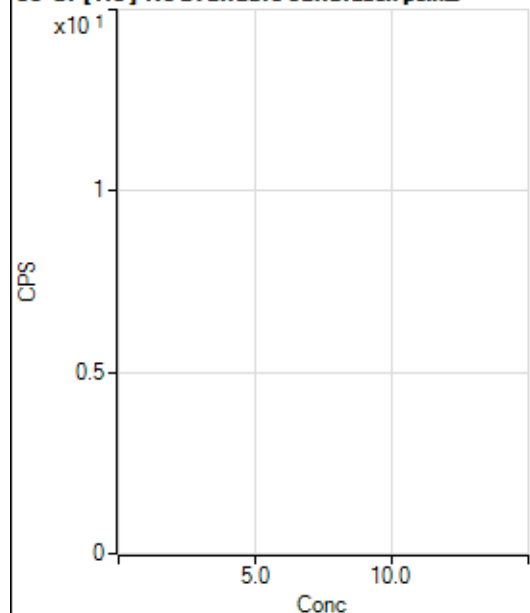
BEC = 9441

Weight: &lt;None&gt;

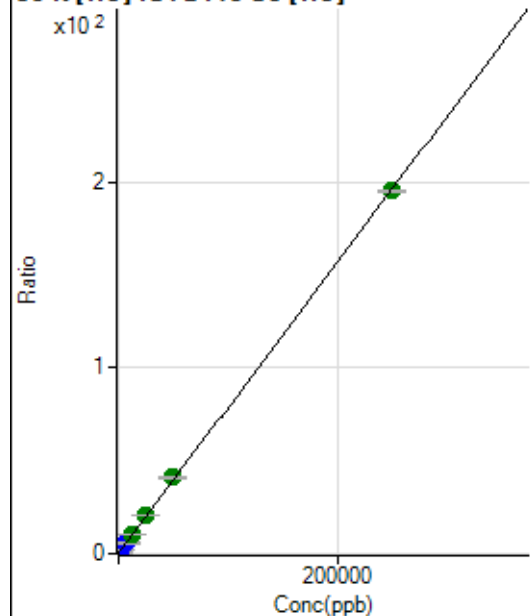
Min Conc: 0

**35 Cl [No Gas] 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"/> |       |            |     |       |          |     |
| 9 | <input type="checkbox"/> |       |            |     |       |          |     |

**35 Cl [He] 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"/> |       |            |     |       |     |     |
| 9 | <input type="checkbox"/> |       |            |     |       |     |     |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 33742.91    | 0.1965   | P   | 1.0 |
| 2 | <input type="checkbox"/> | 50.000    | 51.599     | 40412.41    | 0.2369   | P   | 0.4 |
| 3 | <input type="checkbox"/> | 500.000   | 518.703    | 103066.82   | 0.6023   | P   | 1.0 |
| 4 | <input type="checkbox"/> | 2500.000  | 2821.998   | 414922.45   | 2.4044   | P   | 0.4 |
| 5 | <input type="checkbox"/> | 6250.000  | 7044.296   | 965902.55   | 5.7079   | P   | 1.4 |
| 6 | <input type="checkbox"/> | 12500.000 | 12947.871  | 1696496.38  | 10.3268  | A   | 1.5 |
| 7 | <input type="checkbox"/> | 25000.000 | 26257.746  | 3350013.87  | 20.7404  | A   | 1.1 |
| 8 | <input type="checkbox"/> | 50000.000 | 52407.545  | 6546310.18  | 41.1998  | A   | 1.5 |
| 9 | <input type="checkbox"/> | 250000.00 | 249347.20  | 27387568.76 | 195.2838 | A   | 0.4 |

$$y = 7.8239\text{E-}004 * x + 0.1965$$

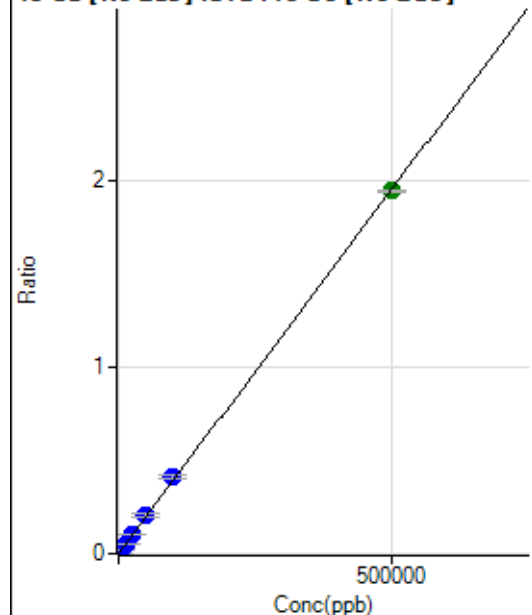
$$R = 0.9999$$

$$DL = 7.615$$

$$BEC = 251.2$$

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      | 62.20      | 0.0000 | P    | 8.8 |
| 2 | <input type="checkbox"/> | 50.000    | 46.668     | 389.73     | 0.0002 | P    | 8.3 |
| 3 | <input type="checkbox"/> | 500.000   | 535.010    | 3771.29    | 0.0021 | P    | 2.7 |
| 4 | <input type="checkbox"/> | 5000.000  | 5406.527   | 39119.29   | 0.0211 | P    | 1.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 13780.216  | 95006.10   | 0.0538 | P    | 0.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 26959.438  | 186592.40  | 0.1051 | P    | 3.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 52892.735  | 362882.52  | 0.2063 | P    | 5.7 |
| 8 | <input type="checkbox"/> | 100000.00 | 106138.61  | 719533.56  | 0.4139 | P    | 5.5 |
| 9 | <input type="checkbox"/> | 500000.00 | 498348.92  | 3028577.78 | 1.9431 | A    | 0.5 |

$$y = 3.8989\text{E-}006 * x + 3.4390\text{E-}005$$

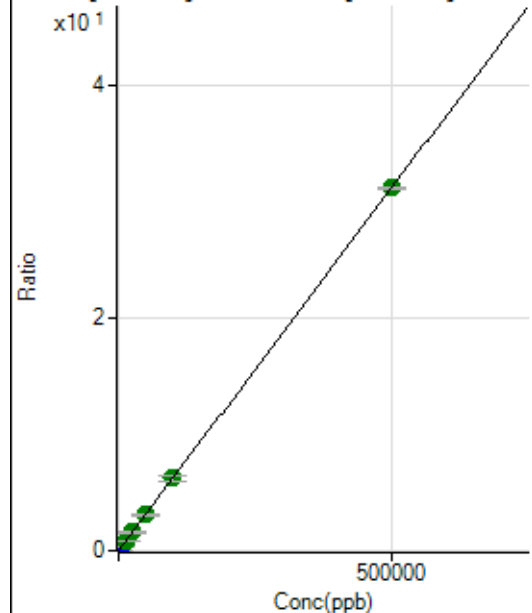
$$R = 0.9999$$

$$DL = 2.324$$

$$BEC = 8.82$$

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      | 2174.37     | 0.0012  | P    | 2.7 |
| 2 | <input type="checkbox"/> | 50.000    | 53.194     | 8156.32     | 0.0045  | P    | 2.3 |
| 3 | <input type="checkbox"/> | 500.000   | 533.840    | 61420.63    | 0.0345  | P    | 0.9 |
| 4 | <input type="checkbox"/> | 5000.000  | 5536.448   | 642722.14   | 0.3469  | P    | 1.8 |
| 5 | <input type="checkbox"/> | 12500.000 | 13003.121  | 1436958.07  | 0.8132  | A    | 0.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 25450.490  | 2822467.77  | 1.5905  | A    | 3.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 49618.885  | 5453256.81  | 3.0997  | A    | 5.9 |
| 8 | <input type="checkbox"/> | 100000.00 | 99478.663  | 10801134.32 | 6.2133  | A    | 5.9 |
| 9 | <input type="checkbox"/> | 500000.00 | 500101.87  | 48680688.18 | 31.2309 | A    | 0.3 |

$$y = 6.2447\text{E-}005 * x + 0.0012$$

$$R = 1.0000$$

$$DL = 1.549$$

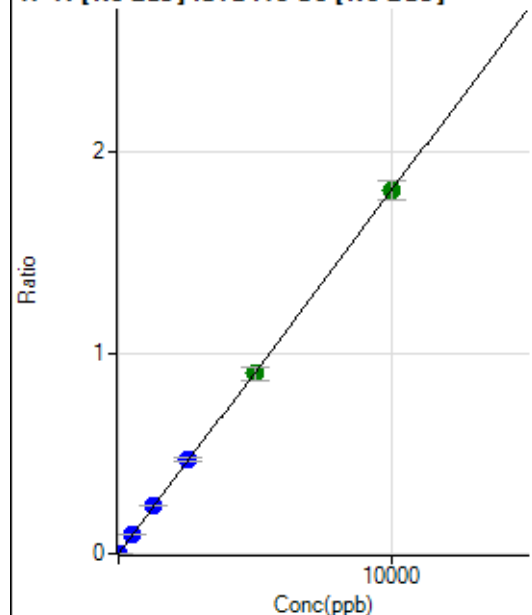
$$BEC = 19.25$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 34.44      | 0.0000 | P    | 46.1 |
| 2 | <input type="checkbox"/> | 0.500     | 0.515      | 202.22     | 0.0001 | P    | 1.8  |
| 3 | <input type="checkbox"/> | 5.000     | 5.020      | 1647.88    | 0.0009 | P    | 6.8  |
| 4 | <input type="checkbox"/> | 500.000   | 524.213    | 175740.52  | 0.0949 | P    | 2.3  |
| 5 | <input type="checkbox"/> | 1250.000  | 1327.597   | 424490.90  | 0.2402 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 2500.000  | 2579.579   | 828303.02  | 0.4668 | P    | 3.7  |
| 7 | <input type="checkbox"/> | 5000.000  | 4959.153   | 1578266.80 | 0.8973 | A    | 6.9  |
| 8 | <input type="checkbox"/> | 10000.000 | 9989.618   | 3142745.68 | 1.8075 | A    | 5.2  |
| 9 | <input type="checkbox"/> |           |            | 952.26     | 0.0006 | P    | 18.8 |

$$y = 1.8094\text{E-}004 * x + 1.8950\text{E-}005$$

$$R = 0.9999$$

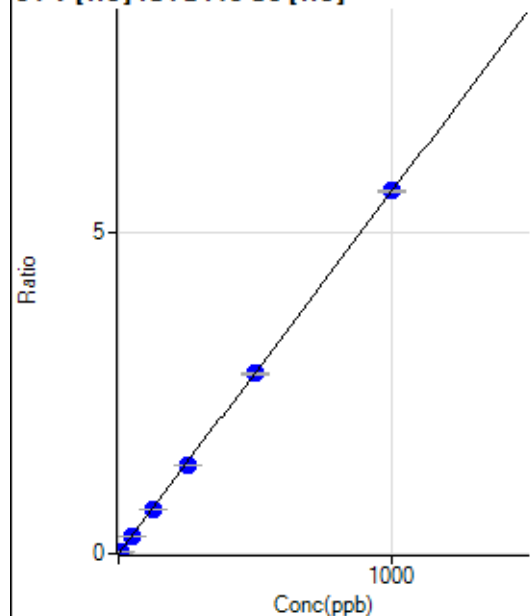
$$DL = 0.1449$$

$$BEC = 0.1047$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.22      | 0.0000 | P    | 86.6 |
| 2 | <input type="checkbox"/> | 0.500    | 0.479      | 463.35    | 0.0027 | P    | 14.8 |
| 3 | <input type="checkbox"/> | 5.000    | 4.558      | 4402.90   | 0.0257 | P    | 3.0  |
| 4 | <input type="checkbox"/> | 50.000   | 49.512     | 48212.24  | 0.2794 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 122.108    | 116589.07 | 0.6890 | P    | 2.4  |
| 6 | <input type="checkbox"/> | 250.000  | 246.385    | 228397.42 | 1.3902 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 498.019    | 453881.26 | 2.8101 | P    | 1.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 1002.283   | 898645.13 | 5.6554 | P    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 313.34    | 0.0022 | P    | 9.7  |

$$y = 0.0056 * x + 1.2939\text{E-}005$$

$$R = 1.0000$$

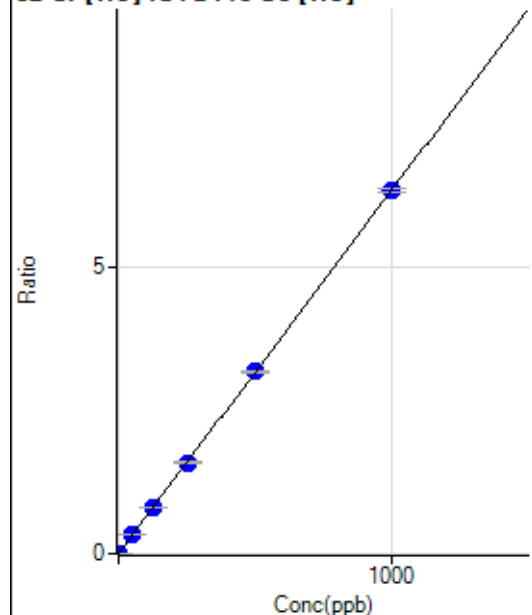
$$DL = 0.005958$$

$$BEC = 0.002293$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 524.46     | 0.0031 | P    | 4.3 |
| 2 | <input type="checkbox"/> | 0.200    | 0.238      | 777.81     | 0.0046 | P    | 4.4 |
| 3 | <input type="checkbox"/> | 2.000    | 2.004      | 2690.27    | 0.0157 | P    | 1.1 |
| 4 | <input type="checkbox"/> | 50.000   | 50.695     | 55814.99   | 0.3234 | P    | 0.8 |
| 5 | <input type="checkbox"/> | 125.000  | 125.207    | 134422.44  | 0.7943 | P    | 1.2 |
| 6 | <input type="checkbox"/> | 250.000  | 250.131    | 260195.86  | 1.5839 | P    | 0.9 |
| 7 | <input type="checkbox"/> | 500.000  | 501.580    | 512497.70  | 3.1730 | P    | 1.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 999.116    | 1003798.35 | 6.3173 | P    | 1.1 |
| 9 | <input type="checkbox"/> |          |            | 6924.98    | 0.0494 | P    | 1.5 |

$$y = 0.0063 * x + 0.0031$$

$$R = 1.0000$$

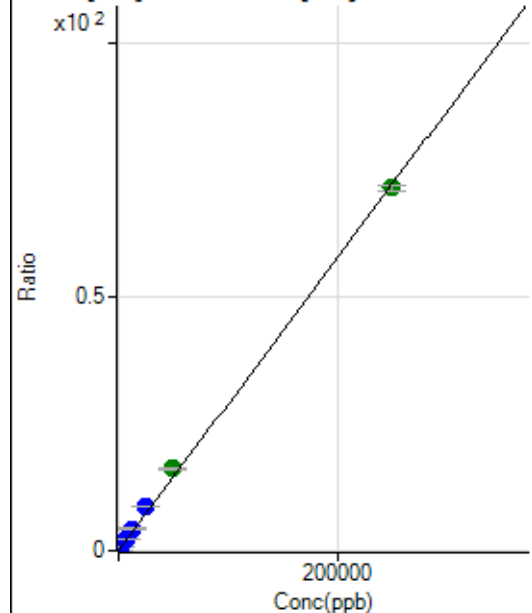
$$DL = 0.0628$$

$$BEC = 0.4833$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 905.59      | 0.0053  | P    | 6.6 |
| 2 | <input type="checkbox"/> | 5.000     | 7.584      | 1272.29     | 0.0075  | P    | 7.3 |
| 3 | <input type="checkbox"/> | 50.000    | 58.577     | 3787.18     | 0.0221  | P    | 2.7 |
| 4 | <input type="checkbox"/> | 2500.000  | 2998.662   | 149866.91   | 0.8685  | P    | 0.6 |
| 5 | <input type="checkbox"/> | 6250.000  | 7535.072   | 367951.88   | 2.1743  | P    | 1.4 |
| 6 | <input type="checkbox"/> | 12500.000 | 15067.086  | 713398.50   | 4.3425  | P    | 0.6 |
| 7 | <input type="checkbox"/> | 25000.000 | 30009.424  | 1396144.72  | 8.6438  | P    | 1.0 |
| 8 | <input type="checkbox"/> | 50000.000 | 55984.461  | 2561635.88  | 16.1210 | A    | 0.8 |
| 9 | <input type="checkbox"/> | 250000.00 | 248136.69  | 10018860.75 | 71.4340 | A    | 1.2 |

$$y = 2.8786E-004 * x + 0.0053$$

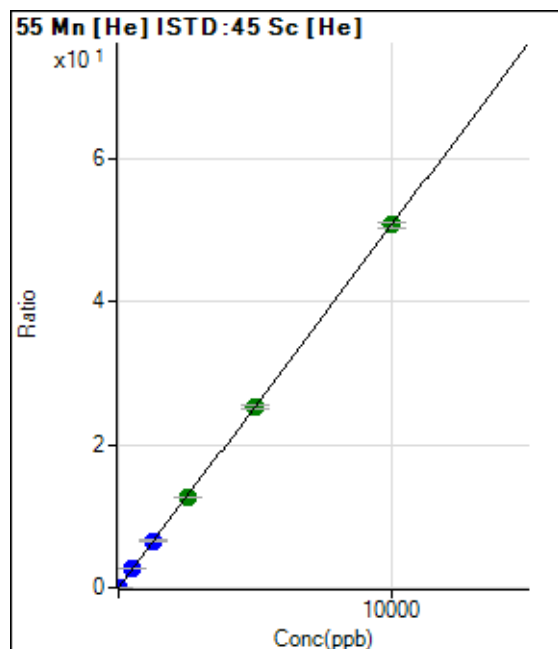
$$R = 0.9995$$

$$DL = 3.653$$

$$BEC = 18.32$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 90.00      | 0.0005  | P    | 16.3 |
| 2 | <input type="checkbox"/> | 0.100     | 0.083      | 161.11     | 0.0009  | P    | 7.5  |
| 3 | <input type="checkbox"/> | 1.000     | 0.950      | 913.37     | 0.0053  | P    | 1.5  |
| 4 | <input type="checkbox"/> | 500.000   | 517.988    | 452867.31  | 2.6243  | P    | 0.5  |
| 5 | <input type="checkbox"/> | 1250.000  | 1290.728   | 1106453.33 | 6.5385  | P    | 1.6  |
| 6 | <input type="checkbox"/> | 2500.000  | 2499.085   | 2079696.05 | 12.6592 | A    | 0.9  |
| 7 | <input type="checkbox"/> | 5000.000  | 4984.237   | 4077864.45 | 25.2472 | A    | 1.2  |
| 8 | <input type="checkbox"/> | 10000.000 | 10002.120  | 8050361.41 | 50.6644 | A    | 1.2  |
| 9 | <input type="checkbox"/> |           |            | 4311.77    | 0.0307  | P    | 1.8  |

$$y = 0.0051 * x + 5.2423E-004$$

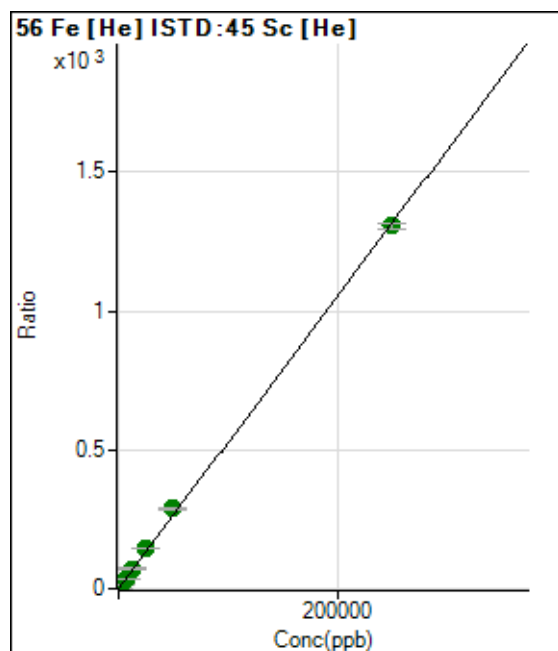
$$R = 1.0000$$

$$DL = 0.05052$$

$$BEC = 0.1035$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 6001.24     | 0.0350    | P    | 1.0 |
| 2 | <input type="checkbox"/> | 5.000     | 5.421      | 10823.97    | 0.0634    | P    | 1.8 |
| 3 | <input type="checkbox"/> | 50.000    | 56.613     | 56890.42    | 0.3325    | P    | 2.1 |
| 4 | <input type="checkbox"/> | 2500.000  | 2777.395   | 2525177.55  | 14.6327   | A    | 1.3 |
| 5 | <input type="checkbox"/> | 6250.000  | 6859.800   | 6107174.29  | 36.0896   | A    | 1.5 |
| 6 | <input type="checkbox"/> | 12500.000 | 13816.724  | 11936031.49 | 72.6547   | A    | 1.3 |
| 7 | <input type="checkbox"/> | 25000.000 | 27571.323  | 23411542.15 | 144.9479  | A    | 1.3 |
| 8 | <input type="checkbox"/> | 50000.000 | 55014.905  | 45949118.20 | 289.1894  | A    | 1.9 |
| 9 | <input type="checkbox"/> | 250000.00 | 248656.03  | 183303463.9 | 1,306.953 | A    | 1.6 |

$$y = 0.0053 * x + 0.0350$$

$$R = 0.9998$$

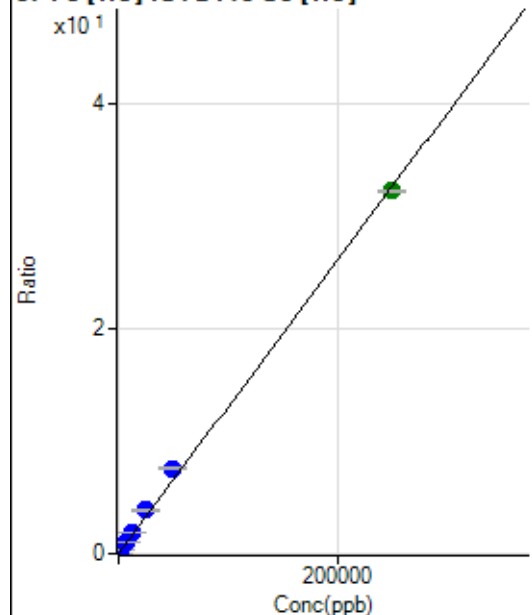
$$DL = 0.192$$

$$BEC = 6.65$$

Weight: <None>

Min Conc: 0

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



|   | R <sub>ct</sub>                     | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|-------------------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 251.11     | 0.0015  | P    | 7.7 |
| 2 | <input checked="" type="checkbox"/> | 5.000     |            |            |         |      |     |
| 3 | <input type="checkbox"/>            | 50.000    | 57.168     | 1523.43    | 0.0089  | P    | 6.7 |
| 4 | <input type="checkbox"/>            | 2500.000  | 2972.411   | 67027.51   | 0.3884  | P    | 0.6 |
| 5 | <input type="checkbox"/>            | 6250.000  | 7403.448   | 163344.48  | 0.9652  | P    | 1.1 |
| 6 | <input type="checkbox"/>            | 12500.000 | 14863.963  | 318126.74  | 1.9365  | P    | 0.7 |
| 7 | <input type="checkbox"/>            | 25000.000 | 29570.674  | 622009.96  | 3.8510  | P    | 1.0 |
| 8 | <input type="checkbox"/>            | 50000.000 | 58414.840  | 1208565.39 | 7.6059  | P    | 0.9 |
| 9 | <input type="checkbox"/>            | 250000.00 | 247708.20  | 4522763.27 | 32.2481 | A    | 0.5 |

$$y = 1.3018\text{E-}004 * x + 0.0015$$

$$R = 0.9993$$

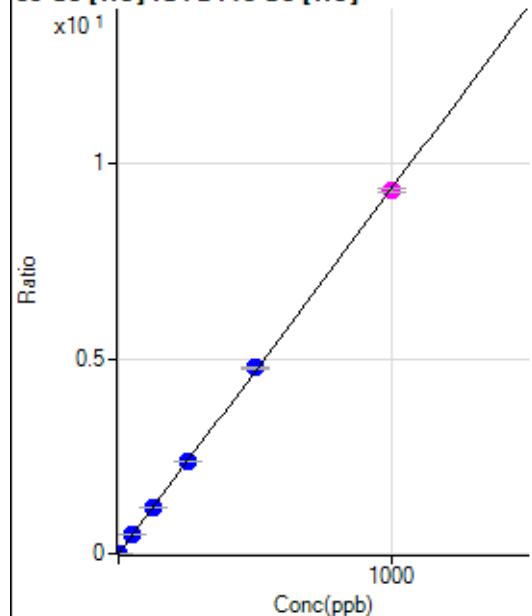
$$DL = 2.59$$

$$BEC = 11.23$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 22.22      | 0.0001 | P    | 8.6 |
| 2 | <input type="checkbox"/> | 0.100    | 0.094      | 172.23     | 0.0010 | P    | 4.5 |
| 3 | <input type="checkbox"/> | 1.000    | 1.062      | 1724.56    | 0.0101 | P    | 4.5 |
| 4 | <input type="checkbox"/> | 50.000   | 51.585     | 83445.73   | 0.4836 | P    | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 127.499    | 202212.86  | 1.1950 | P    | 1.5 |
| 6 | <input type="checkbox"/> | 250.000  | 254.482    | 391814.03  | 2.3850 | P    | 0.4 |
| 7 | <input type="checkbox"/> | 500.000  | 508.754    | 770078.84  | 4.7678 | P    | 1.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 994.111    | 1480380.21 | 9.3163 | M    | 1.1 |
| 9 | <input type="checkbox"/> |          |            | 1494.53    | 0.0107 | P    | 3.9 |

$$y = 0.0094 * x + 1.2940\text{E-}004$$

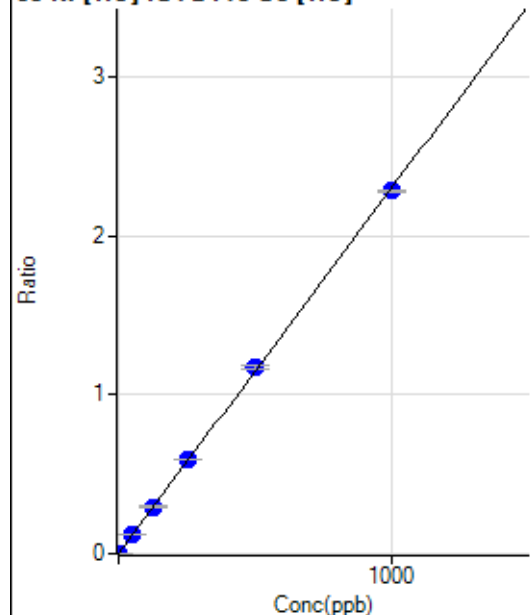
$$R = 0.9999$$

$$DL = 0.003572$$

$$BEC = 0.01381$$

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      | 104.44    | 0.0006 | P        | 18.0 |
| 2 | <input type="checkbox"/> | 0.100    | 0.121      | 151.12    | 0.0009 | P        | 6.8  |
| 3 | <input type="checkbox"/> | 1.000    | 0.980      | 490.01    | 0.0029 | P        | 2.4  |
| 4 | <input type="checkbox"/> | 50.000   | 52.034     | 20772.25  | 0.1204 | P        | 0.3  |
| 5 | <input type="checkbox"/> | 125.000  | 127.966    | 49942.86  | 0.2951 | P        | 1.5  |
| 6 | <input type="checkbox"/> | 250.000  | 257.893    | 97610.49  | 0.5942 | P        | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 509.387    | 189453.93 | 1.1730 | P        | 1.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.861    | 363207.00 | 2.2857 | P        | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 1165.61   | 0.0083 | P        | 7.3  |

$$y = 0.0023 * x + 6.0818E-004$$

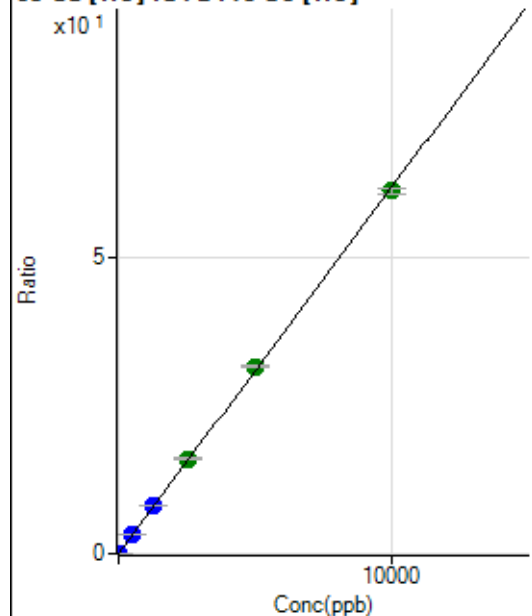
$$R = 0.9999$$

$$DL = 0.143$$

$$BEC = 0.2642$$

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      | 374.45     | 0.0022  | P        | 16.5 |
| 2 | <input type="checkbox"/> | 0.200     | 0.190      | 572.24     | 0.0034  | P        | 2.1  |
| 3 | <input type="checkbox"/> | 2.000     | 1.994      | 2482.45    | 0.0145  | P        | 2.9  |
| 4 | <input type="checkbox"/> | 500.000   | 540.463    | 576922.10  | 3.3432  | P        | 0.3  |
| 5 | <input type="checkbox"/> | 1250.000  | 1325.997   | 1387496.42 | 8.1991  | P        | 1.0  |
| 6 | <input type="checkbox"/> | 2500.000  | 2599.248   | 2640154.18 | 16.0700 | A        | 1.4  |
| 7 | <input type="checkbox"/> | 5000.000  | 5109.671   | 5102159.51 | 31.5888 | A        | 1.4  |
| 8 | <input type="checkbox"/> | 10000.000 | 9908.830   | 9733168.26 | 61.2559 | A        | 1.5  |
| 9 | <input type="checkbox"/> |           |            | 1849.02    | 0.0132  | P        | 5.8  |

$$y = 0.0062 * x + 0.0022$$

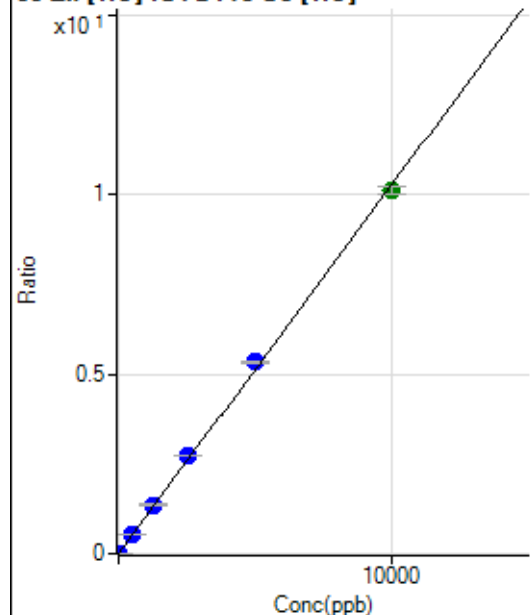
$$R = 0.9998$$

$$DL = 0.1751$$

$$BEC = 0.3528$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>                     | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|-------------------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/>            | 0.000     | 0.000      | 83.33      | 0.0005  | P    | 14.5 |
| 2 | <input checked="" type="checkbox"/> | 0.200     |            |            |         |      |      |
| 3 | <input type="checkbox"/>            | 2.000     | 2.168      | 463.35     | 0.0027  | P    | 5.8  |
| 4 | <input type="checkbox"/>            | 500.000   | 539.624    | 95596.71   | 0.5539  | P    | 0.7  |
| 5 | <input type="checkbox"/>            | 1250.000  | 1326.886   | 230384.30  | 1.3614  | P    | 1.0  |
| 6 | <input type="checkbox"/>            | 2500.000  | 2650.310   | 446645.35  | 2.7188  | P    | 0.7  |
| 7 | <input type="checkbox"/>            | 5000.000  | 5213.399   | 863733.93  | 5.3476  | P    | 1.1  |
| 8 | <input type="checkbox"/>            | 10000.000 | 9844.131   | 1604362.30 | 10.0971 | A    | 2.0  |
| 9 | <input type="checkbox"/>            |           |            | 7759.87    | 0.0553  | P    | 1.5  |

$$y = 0.0010 * x + 4.8536E-004$$

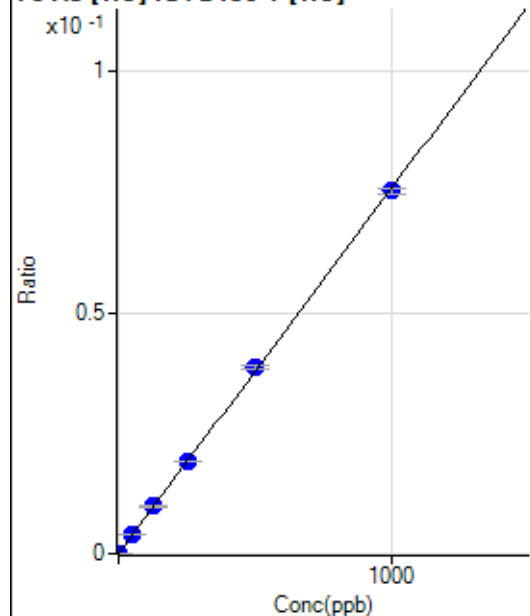
$$R = 0.9995$$

$$DL = 0.206$$

$$BEC = 0.4732$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00      | 0.0000 | P    |      |
| 2 | <input type="checkbox"/> | 0.100    | 0.091      | 11.11     | 0.0000 | P    | 46.2 |
| 3 | <input type="checkbox"/> | 1.000    | 1.130      | 136.67    | 0.0001 | P    | 21.2 |
| 4 | <input type="checkbox"/> | 50.000   | 53.346     | 6392.54   | 0.0040 | P    | 3.4  |
| 5 | <input type="checkbox"/> | 125.000  | 129.046    | 15220.12  | 0.0098 | P    | 4.7  |
| 6 | <input type="checkbox"/> | 250.000  | 252.834    | 29636.28  | 0.0192 | P    | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 510.936    | 58834.86  | 0.0387 | P    | 1.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.150    | 113618.38 | 0.0753 | P    | 1.9  |
| 9 | <input type="checkbox"/> |          |            | 26.67     | 0.0000 | P    | 20.7 |

$$y = 7.5777E-005 * x + 0.0000E+000$$

$$R = 0.9999$$

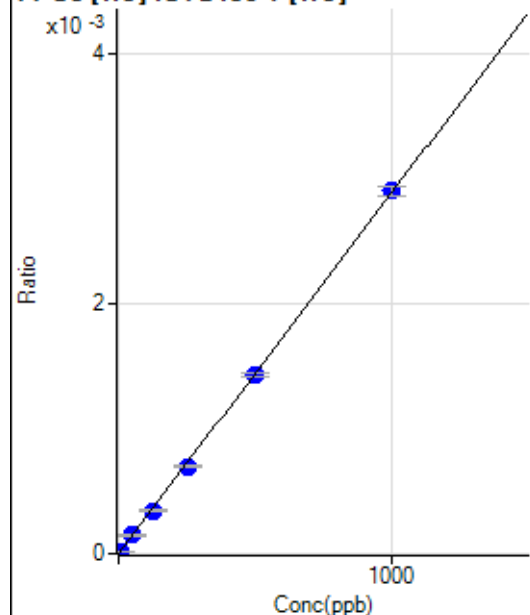
$$DL = 0$$

$$BEC = 0$$

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"/> | 0.500    | 0.000      | 0.00    | 0.0000 | P   |      |
| 3 | <input type="checkbox"/> | 5.000    | 3.610      | 16.67   | 0.0000 | P   | 20.2 |
| 4 | <input type="checkbox"/> | 50.000   | 51.291     | 234.45  | 0.0001 | P   | 9.3  |
| 5 | <input type="checkbox"/> | 125.000  | 118.617    | 534.46  | 0.0003 | P   | 5.6  |
| 6 | <input type="checkbox"/> | 250.000  | 241.228    | 1078.94 | 0.0007 | P   | 2.7  |
| 7 | <input type="checkbox"/> | 500.000  | 494.576    | 2173.51 | 0.0014 | P   | 1.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.646   | 4390.70 | 0.0029 | P   | 2.5  |
| 9 | <input type="checkbox"/> |          |            | 3.33    | 0.0000 | P   | 1.8  |

$$y = 2.8915E-006 * x + 0.0000E+000$$

$$R = 0.9999$$

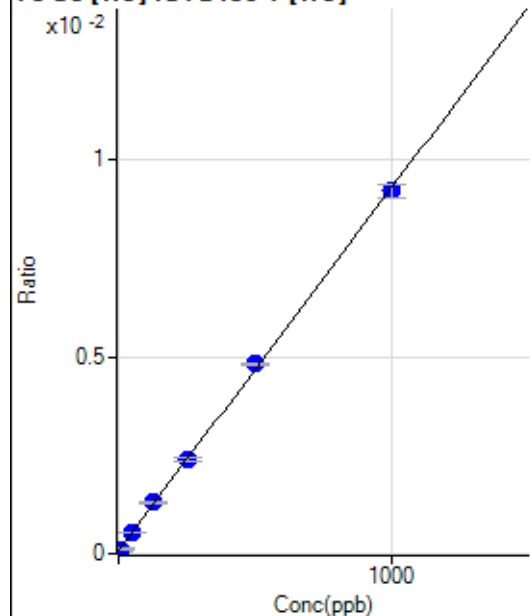
$$DL = 0$$

$$BEC = 0$$

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      | 134.45   | 0.0001 | P   | 7.4  |
| 2 | <input type="checkbox"/> | 0.500    | -0.943     | 120.00   | 0.0001 | P   | 21.5 |
| 3 | <input type="checkbox"/> | 5.000    | 3.934      | 191.11   | 0.0001 | P   | 12.0 |
| 4 | <input type="checkbox"/> | 50.000   | 50.609     | 868.92   | 0.0005 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 131.649    | 2016.82  | 0.0013 | P   | 2.7  |
| 6 | <input type="checkbox"/> | 250.000  | 249.980    | 3688.27  | 0.0024 | P   | 3.2  |
| 7 | <input type="checkbox"/> | 500.000  | 514.353    | 7322.99  | 0.0048 | P   | 1.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.973    | 13911.07 | 0.0092 | P   | 3.8  |
| 9 | <input type="checkbox"/> |          |            | 84.44    | 0.0001 | P   | 27.0 |

$$y = 9.2068E-006 * x + 8.3411E-005$$

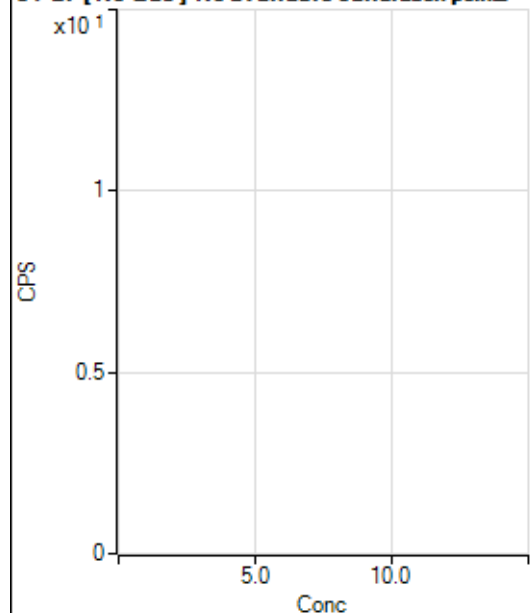
$$R = 0.9998$$

$$DL = 2$$

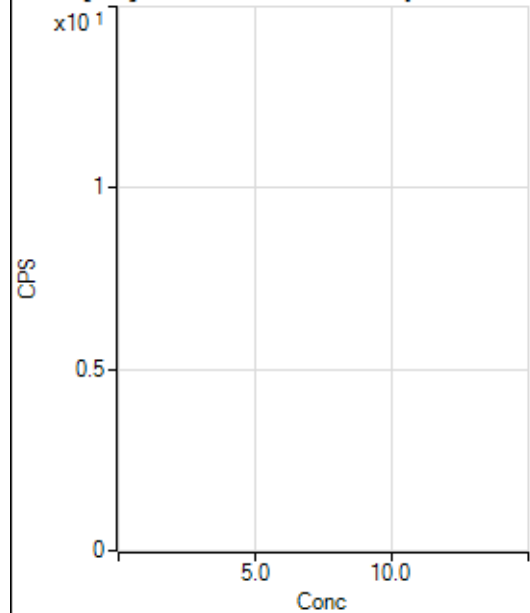
$$BEC = 9.06$$

Weight: &lt;None&gt;

Min Conc: 0

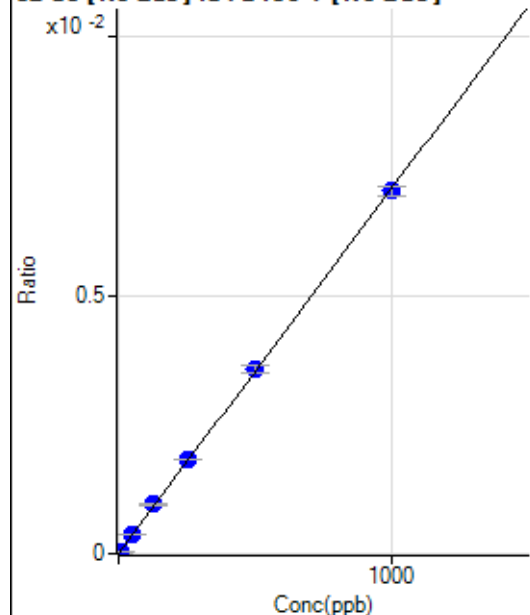
**81 Br [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 27602.54 |       | P        | 2.1 |
| 2 | <input type="checkbox"/> |       |            | 27634.91 |       | P        | 0.7 |
| 3 | <input type="checkbox"/> |       |            | 27691.73 |       | P        | 1.2 |
| 4 | <input type="checkbox"/> |       |            | 26747.68 |       | P        | 1.6 |
| 5 | <input type="checkbox"/> |       |            | 26283.63 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> |       |            | 25505.47 |       | P        | 1.6 |
| 7 | <input type="checkbox"/> |       |            | 25052.49 |       | P        | 1.4 |
| 8 | <input type="checkbox"/> |       |            | 25228.34 |       | P        | 1.2 |
| 9 | <input type="checkbox"/> |       |            | 23599.01 |       | P        | 2.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 33.34 |       | P        | 17.3 |
| 2 | <input type="checkbox"/> |       |            | 30.00 |       | P        | 11.1 |
| 3 | <input type="checkbox"/> |       |            | 36.67 |       | P        | 24.0 |
| 4 | <input type="checkbox"/> |       |            | 36.67 |       | P        | 15.7 |
| 5 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 54.1 |
| 6 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 20.0 |
| 7 | <input type="checkbox"/> |       |            | 37.78 |       | P        | 53.9 |
| 8 | <input type="checkbox"/> |       |            | 35.55 |       | P        | 30.1 |
| 9 | <input type="checkbox"/> |       |            | 37.78 |       | P        | 35.7 |



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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 14.11    | 0.0000 | P    | 32.0 |
| 2 | <input type="checkbox"/> | 0.500    | 0.615      | 41.44    | 0.0000 | P    | 12.3 |
| 3 | <input type="checkbox"/> | 5.000    | 4.516      | 215.35   | 0.0000 | P    | 16.8 |
| 4 | <input type="checkbox"/> | 50.000   | 53.792     | 2443.06  | 0.0004 | P    | 2.7  |
| 5 | <input type="checkbox"/> | 125.000  | 134.207    | 5958.76  | 0.0009 | P    | 4.2  |
| 6 | <input type="checkbox"/> | 250.000  | 258.692    | 11611.68 | 0.0018 | P    | 1.3  |
| 7 | <input type="checkbox"/> | 500.000  | 504.665    | 22472.87 | 0.0036 | P    | 3.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.156    | 43602.99 | 0.0070 | P    | 2.7  |
| 9 | <input type="checkbox"/> |          |            | 93.59    | 0.0000 | P    | 13.2 |

$$y = 7.0587E-006 * x + 2.2231E-006$$

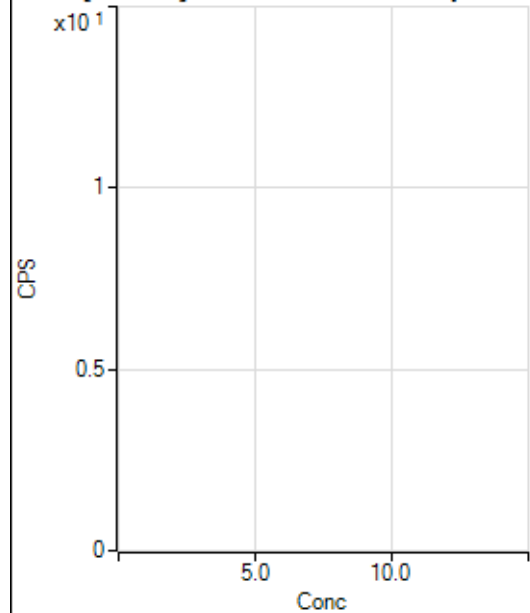
$$R = 0.9999$$

$$DL = 0.3023$$

$$BEC = 0.3149$$

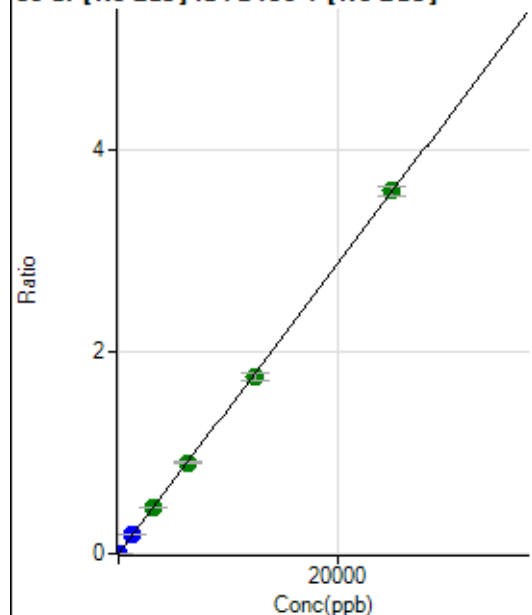
Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|-------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 34.45 |       | P    | 11.2 |
| 2 | <input type="checkbox"/> |       |            | 32.22 |       | P    | 12.0 |
| 3 | <input type="checkbox"/> |       |            | 45.56 |       | P    | 18.4 |
| 4 | <input type="checkbox"/> |       |            | 52.22 |       | P    | 9.7  |
| 5 | <input type="checkbox"/> |       |            | 40.00 |       | P    | 16.7 |
| 6 | <input type="checkbox"/> |       |            | 48.89 |       | P    | 25.8 |
| 7 | <input type="checkbox"/> |       |            | 46.67 |       | P    | 14.3 |
| 8 | <input type="checkbox"/> |       |            | 80.00 |       | P    | 14.4 |
| 9 | <input type="checkbox"/> |       |            | 64.44 |       | P    | 7.9  |

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 94.45       | 0.0000 | P    | 29.4 |
| 2 | <input type="checkbox"/> | 0.100     | 0.080      | 166.67      | 0.0000 | P    | 0.8  |
| 3 | <input type="checkbox"/> | 1.000     | 1.016      | 1016.71     | 0.0002 | P    | 1.2  |
| 4 | <input type="checkbox"/> | 1250.000  | 1288.398   | 1181356.72  | 0.1847 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 3125.000  | 3176.058   | 2858141.24  | 0.4552 | A    | 0.7  |
| 6 | <input type="checkbox"/> | 6250.000  | 6305.157   | 5737883.18  | 0.9037 | A    | 3.5  |
| 7 | <input type="checkbox"/> | 12500.000 | 12270.056  | 11085791.92 | 1.7587 | A    | 4.7  |
| 8 | <input type="checkbox"/> | 25000.000 | 25092.881  | 22340178.28 | 3.5966 | A    | 2.9  |
| 9 | <input type="checkbox"/> |           |            | 8363.61     | 0.0015 | P    | 16.5 |

$$y = 1.4333\text{E-}004 * x + 1.4943\text{E-}005$$

$$R = 0.9999$$

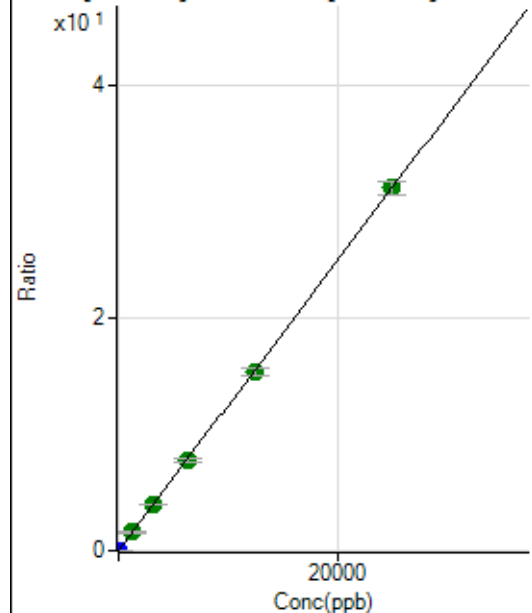
$$DL = 0.09195$$

$$BEC = 0.1043$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 83.33       | 0.0000  | P    | 25.2 |
| 2 | <input type="checkbox"/> | 0.100     | 0.099      | 866.70      | 0.0001  | P    | 6.4  |
| 3 | <input type="checkbox"/> | 1.000     | 0.969      | 7725.43     | 0.0012  | P    | 1.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1269.438   | 10120961.24 | 1.5823  | A    | 2.7  |
| 5 | <input type="checkbox"/> | 3125.000  | 3172.312   | 24819668.52 | 3.9541  | A    | 2.3  |
| 6 | <input type="checkbox"/> | 6250.000  | 6279.824   | 49696517.04 | 7.8275  | A    | 3.4  |
| 7 | <input type="checkbox"/> | 12500.000 | 12361.238  | 97128300.77 | 15.4076 | A    | 4.3  |
| 8 | <input type="checkbox"/> | 25000.000 | 25055.039  | 193963457.1 | 31.2297 | A    | 4.0  |
| 9 | <input type="checkbox"/> |           |            | 72030.74    | 0.0130  | P    | 19.6 |

$$y = 0.0012 * x + 1.3189\text{E-}005$$

$$R = 1.0000$$

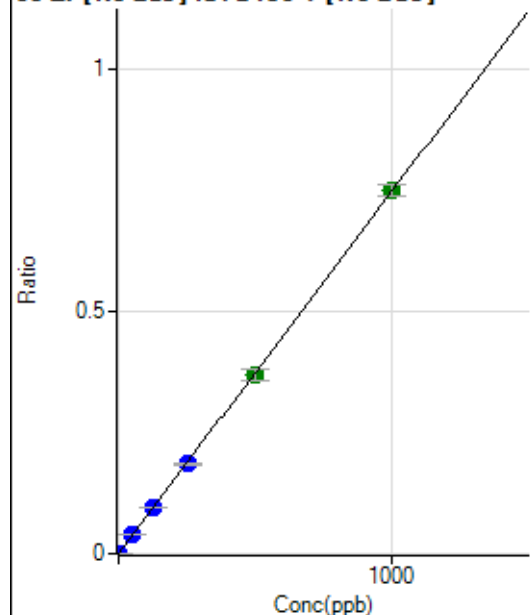
$$DL = 0.008008$$

$$BEC = 0.01058$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 210.01     | 0.0000 | P    | 12.5 |
| 2 | <input type="checkbox"/> | 0.100    | 0.081      | 593.35     | 0.0001 | P    | 4.3  |
| 3 | <input type="checkbox"/> | 1.000    | 0.873      | 4329.56    | 0.0007 | P    | 6.6  |
| 4 | <input type="checkbox"/> | 50.000   | 51.695     | 246663.54  | 0.0386 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 126.170    | 590470.79  | 0.0941 | P    | 1.8  |
| 6 | <input type="checkbox"/> | 250.000  | 247.478    | 1171208.65 | 0.1845 | P    | 3.5  |
| 7 | <input type="checkbox"/> | 500.000  | 494.580    | 2323360.10 | 0.3686 | A    | 5.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 1003.109   | 4643747.54 | 0.7476 | A    | 3.3  |
| 9 | <input type="checkbox"/> |          |            | 1661.22    | 0.0003 | P    | 17.2 |

$$y = 7.4529\text{E-}004 * x + 3.3187\text{E-}005$$

$$R = 1.0000$$

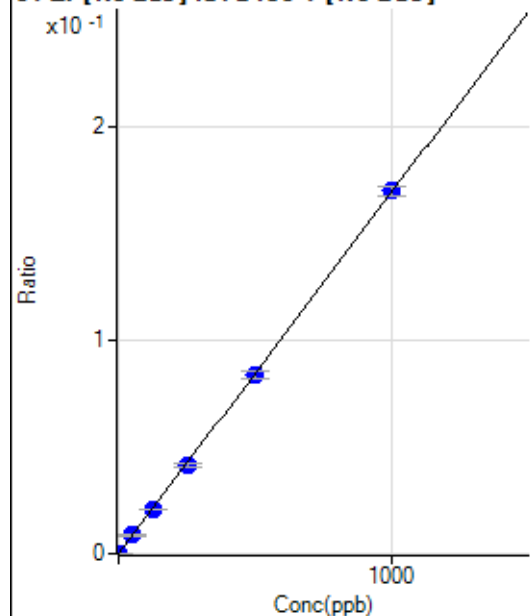
$$DL = 0.01672$$

$$BEC = 0.04453$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 45.56      | 0.0000 | P    | 21.9 |
| 2 | <input type="checkbox"/> | 0.100    | 0.098      | 150.00     | 0.0000 | P    | 6.1  |
| 3 | <input type="checkbox"/> | 1.000    | 0.869      | 975.60     | 0.0002 | P    | 10.5 |
| 4 | <input type="checkbox"/> | 50.000   | 50.999     | 55241.18   | 0.0086 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 125.000  | 123.218    | 130898.76  | 0.0209 | P    | 2.8  |
| 6 | <input type="checkbox"/> | 250.000  | 243.288    | 261387.19  | 0.0412 | P    | 3.5  |
| 7 | <input type="checkbox"/> | 500.000  | 494.968    | 527908.94  | 0.0838 | P    | 5.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.367   | 1055590.54 | 0.1699 | P    | 2.9  |
| 9 | <input type="checkbox"/> |          |            | 335.56     | 0.0001 | P    | 15.3 |

$$y = 1.6920\text{E-}004 * x + 7.1895\text{E-}006$$

$$R = 1.0000$$

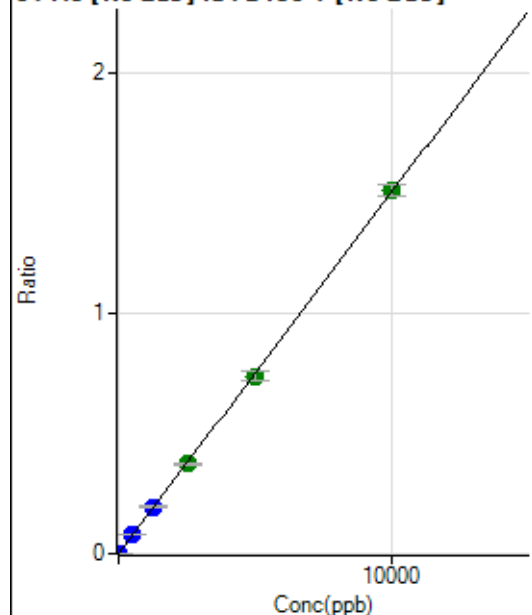
$$DL = 0.02788$$

$$BEC = 0.04249$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 84.44      | 0.0000 | P    | 33.2 |
| 2 | <input type="checkbox"/> | 0.500     | 0.512      | 570.02     | 0.0001 | P    | 3.2  |
| 3 | <input type="checkbox"/> | 5.000     | 5.473      | 5284.34    | 0.0008 | P    | 2.0  |
| 4 | <input type="checkbox"/> | 500.000   | 521.001    | 500431.45  | 0.0782 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 1250.000  | 1297.955   | 1223322.81 | 0.1949 | P    | 1.9  |
| 6 | <input type="checkbox"/> | 2500.000  | 2486.191   | 2370266.53 | 0.3733 | A    | 2.7  |
| 7 | <input type="checkbox"/> | 5000.000  | 4915.547   | 4651969.97 | 0.7380 | A    | 4.8  |
| 8 | <input type="checkbox"/> | 10000.000 | 10038.634  | 9361460.14 | 1.5072 | A    | 3.2  |
| 9 | <input type="checkbox"/> |           |            | 3182.61    | 0.0006 | P    | 23.0 |

$$y = 1.5014\text{E-}004 * x + 1.3326\text{E-}005$$

$$R = 0.9999$$

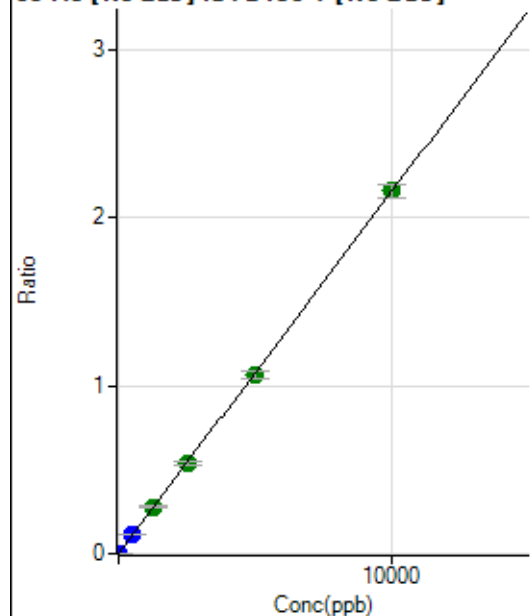
$$DL = 0.08853$$

$$BEC = 0.08876$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 66.67       | 0.0000 | P    | 13.2 |
| 2 | <input type="checkbox"/> | 0.500     | 0.448      | 675.58      | 0.0001 | P    | 11.5 |
| 3 | <input type="checkbox"/> | 5.000     | 4.766      | 6565.97     | 0.0010 | P    | 3.9  |
| 4 | <input type="checkbox"/> | 500.000   | 523.753    | 722102.15   | 0.1129 | P    | 1.6  |
| 5 | <input type="checkbox"/> | 1250.000  | 1296.431   | 1754028.67  | 0.2794 | A    | 1.5  |
| 6 | <input type="checkbox"/> | 2500.000  | 2506.824   | 3430279.46  | 0.5403 | A    | 3.2  |
| 7 | <input type="checkbox"/> | 5000.000  | 4940.430   | 6711136.70  | 1.0648 | A    | 5.3  |
| 8 | <input type="checkbox"/> | 10000.000 | 10021.088  | 13413827.30 | 2.1597 | A    | 3.9  |
| 9 | <input type="checkbox"/> |           |            | 4083.96     | 0.0007 | P    | 20.5 |

$$y = 2.1552\text{E-}004 * x + 1.0530\text{E-}005$$

$$R = 1.0000$$

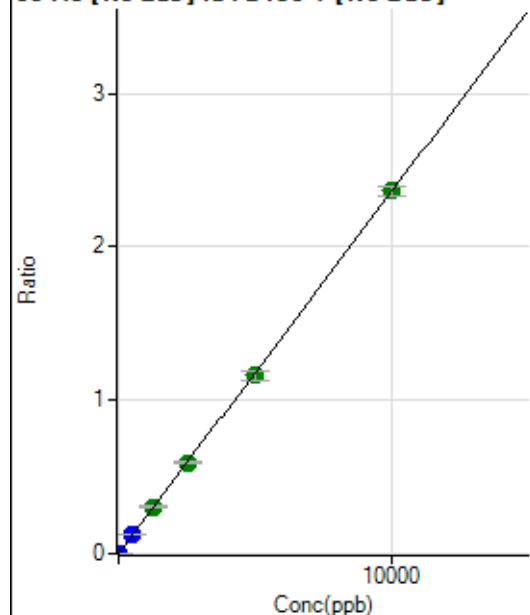
$$DL = 0.01936$$

$$BEC = 0.04886$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 58.89       | 0.0000 | P    | 9.3  |
| 2 | <input type="checkbox"/> | 0.500     | 0.472      | 762.25      | 0.0001 | P    | 0.5  |
| 3 | <input type="checkbox"/> | 5.000     | 4.718      | 7101.78     | 0.0011 | P    | 2.9  |
| 4 | <input type="checkbox"/> | 500.000   | 525.083    | 792555.36   | 0.1239 | P    | 1.5  |
| 5 | <input type="checkbox"/> | 1250.000  | 1284.052   | 1901646.83  | 0.3030 | A    | 3.1  |
| 6 | <input type="checkbox"/> | 2500.000  | 2514.563   | 3766794.63  | 0.5933 | A    | 3.5  |
| 7 | <input type="checkbox"/> | 5000.000  | 4938.227   | 7343680.72  | 1.1652 | A    | 5.4  |
| 8 | <input type="checkbox"/> | 10000.000 | 10021.735  | 14687902.70 | 2.3646 | A    | 2.6  |
| 9 | <input type="checkbox"/> |           |            | 9760.05     | 0.0018 | P    | 13.7 |

$$y = 2.3595E-004 * x + 9.3050E-006$$

$$R = 1.0000$$

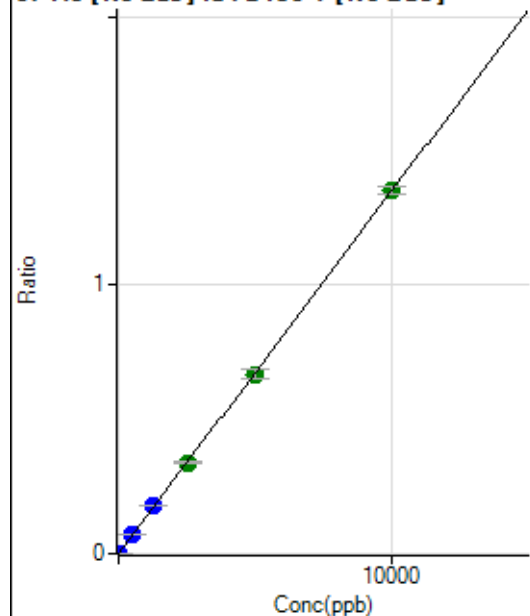
$$DL = 0.01101$$

$$BEC = 0.03944$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 21.11      | 0.0000 | P    | 25.2 |
| 2 | <input type="checkbox"/> | 0.500     | 0.466      | 418.90     | 0.0001 | P    | 4.5  |
| 3 | <input type="checkbox"/> | 5.000     | 4.701      | 4036.16    | 0.0006 | P    | 3.8  |
| 4 | <input type="checkbox"/> | 500.000   | 524.942    | 453350.87  | 0.0709 | P    | 1.5  |
| 5 | <input type="checkbox"/> | 1250.000  | 1316.470   | 1115659.45 | 0.1777 | P    | 1.9  |
| 6 | <input type="checkbox"/> | 2500.000  | 2516.388   | 2157054.99 | 0.3397 | A    | 2.9  |
| 7 | <input type="checkbox"/> | 5000.000  | 4953.532   | 4215498.75 | 0.6687 | A    | 4.6  |
| 8 | <input type="checkbox"/> | 10000.000 | 10009.581  | 8394409.53 | 1.3513 | A    | 2.0  |
| 9 | <input type="checkbox"/> |           |            | 2621.38    | 0.0005 | P    | 23.0 |

$$y = 1.3500E-004 * x + 3.3402E-006$$

$$R = 1.0000$$

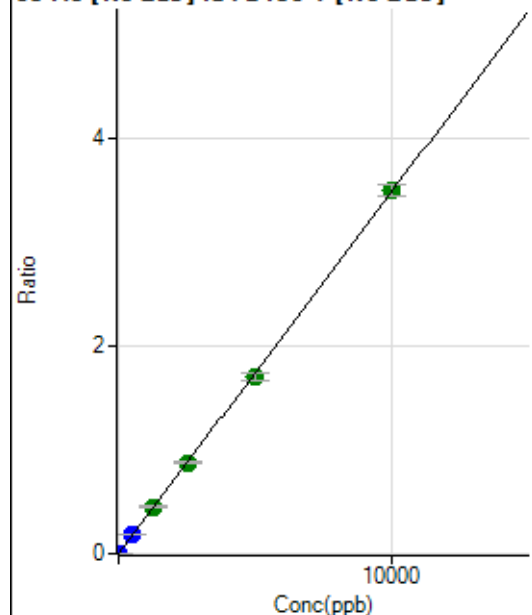
$$DL = 0.01873$$

$$BEC = 0.02474$$

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      | 43.33       | 0.0000 | P    | 39.4 |
| 2 | <input type="checkbox"/> | 0.500     | 0.489      | 1121.16     | 0.0002 | P    | 4.1  |
| 3 | <input type="checkbox"/> | 5.000     | 4.796      | 10620.60    | 0.0017 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 500.000   | 525.118    | 1170692.67  | 0.1830 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 1250.000  | 1291.514   | 2825289.40  | 0.4501 | A    | 2.1  |
| 6 | <input type="checkbox"/> | 2500.000  | 2520.497   | 5577474.92  | 0.8784 | A    | 2.9  |
| 7 | <input type="checkbox"/> | 5000.000  | 4911.038   | 10789879.63 | 1.7115 | A    | 4.0  |
| 8 | <input type="checkbox"/> | 10000.000 | 10032.912  | 21718089.68 | 3.4965 | A    | 3.1  |
| 9 | <input type="checkbox"/> |           |            | 6660.53     | 0.0012 | P    | 22.6 |

$$y = 3.4851\text{E-}004 * x + 6.8588\text{E-}006$$

$$R = 0.9999$$

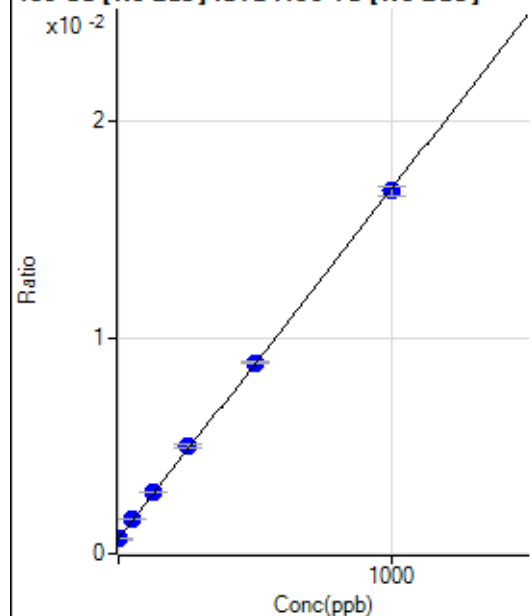
$$DL = 0.02327$$

$$BEC = 0.01968$$

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      | 3411.55  | 0.0007 | P    | 1.4 |
| 2 | <input type="checkbox"/> | 0.100    | -1.607     | 3294.85  | 0.0007 | P    | 4.5 |
| 3 | <input type="checkbox"/> | 1.000    | -1.359     | 3268.18  | 0.0007 | P    | 0.6 |
| 4 | <input type="checkbox"/> | 50.000   | 57.147     | 7931.13  | 0.0016 | P    | 1.8 |
| 5 | <input type="checkbox"/> | 125.000  | 133.244    | 14069.11 | 0.0029 | P    | 0.9 |
| 6 | <input type="checkbox"/> | 250.000  | 262.259    | 24451.77 | 0.0049 | P    | 3.3 |
| 7 | <input type="checkbox"/> | 500.000  | 502.637    | 44066.72 | 0.0088 | P    | 1.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 994.232    | 82732.59 | 0.0168 | P    | 2.6 |
| 9 | <input type="checkbox"/> |          |            | 2948.10  | 0.0007 | P    | 3.8 |

$$y = 1.6165\text{E-}005 * x + 7.0499\text{E-}004$$

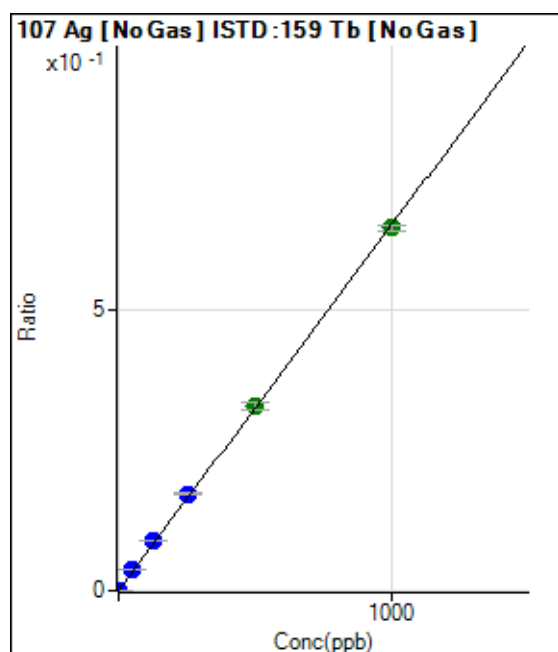
$$R = 0.9999$$

$$DL = 1.8$$

$$BEC = 43.61$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 40.00      | 0.0000 | P    | 29.7 |
| 2 | <input type="checkbox"/> | 0.100    | 0.097      | 346.68     | 0.0001 | P    | 12.1 |
| 3 | <input type="checkbox"/> | 1.000    | 1.086      | 3412.65    | 0.0007 | P    | 3.1  |
| 4 | <input type="checkbox"/> | 50.000   | 56.826     | 179766.11  | 0.0369 | P    | 1.6  |
| 5 | <input type="checkbox"/> | 125.000  | 136.844    | 437427.03  | 0.0889 | P    | 1.3  |
| 6 | <input type="checkbox"/> | 250.000  | 265.389    | 852458.53  | 0.1724 | P    | 2.8  |
| 7 | <input type="checkbox"/> | 500.000  | 504.298    | 1634431.29 | 0.3275 | A    | 3.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.182    | 3178576.55 | 0.6444 | A    | 1.4  |
| 9 | <input type="checkbox"/> |          |            | 1680.12    | 0.0004 | P    | 12.6 |

$$y = 6.4949\text{E-}004 * x + 8.2576\text{E-}006$$

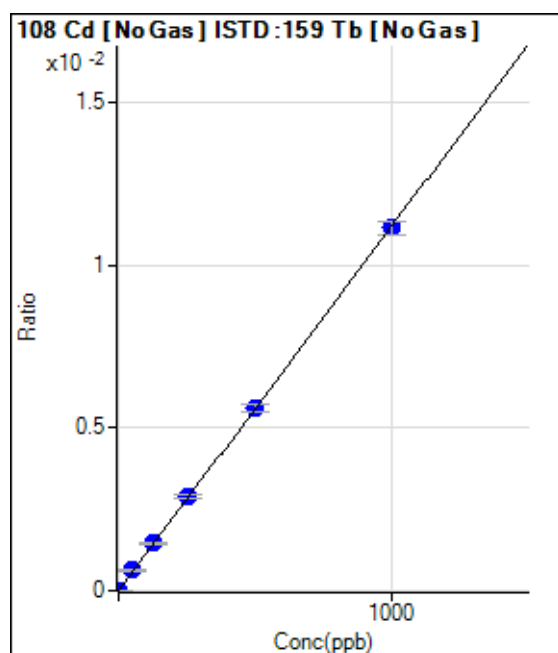
$$R = 0.9998$$

$$DL = 0.01131$$

$$BEC = 0.01271$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.67     | 0.0000 | P    | 0.5  |
| 2 | <input type="checkbox"/> | 0.100    | 0.122      | 13.33    | 0.0000 | P    | 24.1 |
| 3 | <input type="checkbox"/> | 1.000    | 1.078      | 64.44    | 0.0000 | P    | 19.5 |
| 4 | <input type="checkbox"/> | 50.000   | 55.741     | 3041.46  | 0.0006 | P    | 2.9  |
| 5 | <input type="checkbox"/> | 125.000  | 131.226    | 7224.08  | 0.0015 | P    | 4.2  |
| 6 | <input type="checkbox"/> | 250.000  | 259.381    | 14345.00 | 0.0029 | P    | 3.4  |
| 7 | <input type="checkbox"/> | 500.000  | 500.912    | 27948.18 | 0.0056 | P    | 4.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.133    | 54916.79 | 0.0111 | P    | 3.7  |
| 9 | <input type="checkbox"/> |          |            | 42.22    | 0.0000 | P    | 46.8 |

$$y = 1.1179\text{E-}005 * x + 1.3783\text{E-}006$$

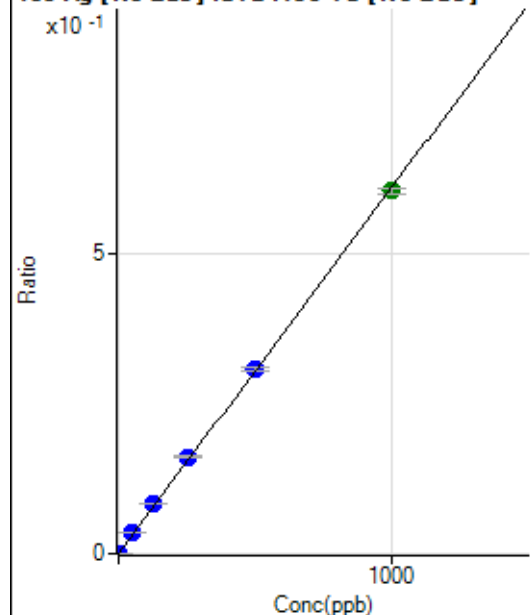
$$R = 0.9999$$

$$DL = 0.001952$$

$$BEC = 0.1233$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 7.78       | 0.0000 | P    | 49.7 |
| 2 | <input type="checkbox"/> | 0.100    | 0.097      | 294.45     | 0.0001 | P    | 9.4  |
| 3 | <input type="checkbox"/> | 1.000    | 1.069      | 3129.26    | 0.0007 | P    | 4.8  |
| 4 | <input type="checkbox"/> | 50.000   | 56.933     | 169306.90  | 0.0348 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 136.820    | 411147.77  | 0.0835 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 250.000  | 265.451    | 801589.08  | 0.1621 | P    | 2.9  |
| 7 | <input type="checkbox"/> | 500.000  | 505.177    | 1539382.76 | 0.3085 | P    | 2.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.725    | 2986756.07 | 0.6056 | A    | 1.6  |
| 9 | <input type="checkbox"/> |          |            | 1487.87    | 0.0003 | P    | 8.0  |

$$y = 6.1063\text{E-}004 * x + 1.6086\text{E-}006$$

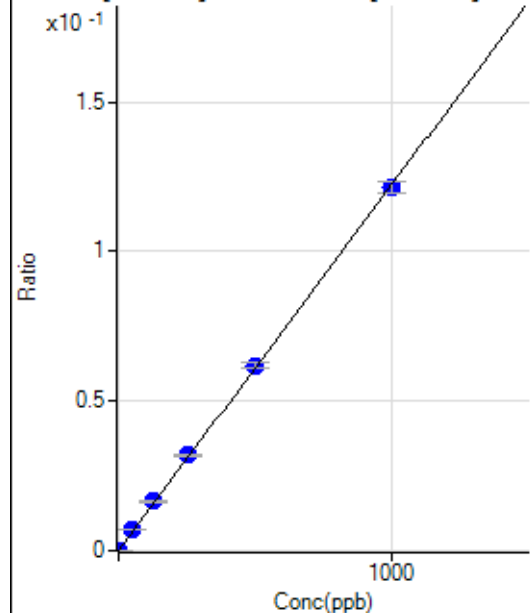
$$R = 0.9998$$

$$DL = 0.003927$$

$$BEC = 0.002634$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.07      | 0.0000 | P    | 159. |
| 2 | <input type="checkbox"/> | 0.100    | 0.073      | 45.07     | 0.0000 | P    | 25.0 |
| 3 | <input type="checkbox"/> | 1.000    | 1.076      | 631.51    | 0.0001 | P    | 2.9  |
| 4 | <input type="checkbox"/> | 50.000   | 55.812     | 33207.57  | 0.0068 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 125.000  | 134.598    | 80929.50  | 0.0164 | P    | 1.8  |
| 6 | <input type="checkbox"/> | 250.000  | 261.340    | 157921.86 | 0.0319 | P    | 2.4  |
| 7 | <input type="checkbox"/> | 500.000  | 507.011    | 309127.25 | 0.0619 | P    | 3.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.169    | 597787.19 | 0.1212 | P    | 3.1  |
| 9 | <input type="checkbox"/> |          |            | 230.06    | 0.0001 | P    | 19.0 |

$$y = 1.2218\text{E-}004 * x + 4.2870\text{E-}007$$

$$R = 0.9999$$

$$DL = 0.0168$$

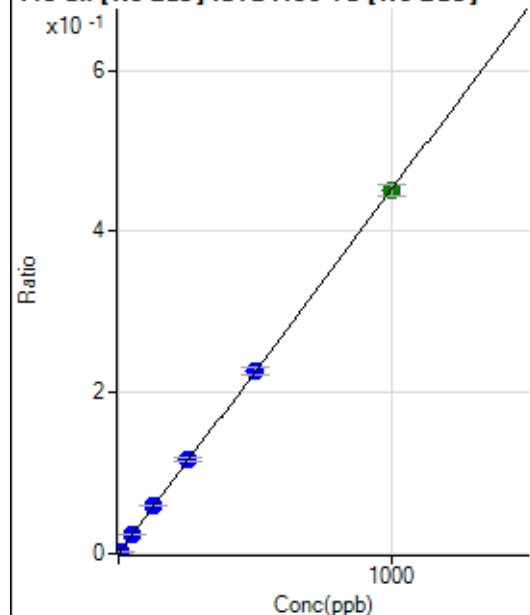
$$BEC = 0.003509$$

Weight: &lt;None&gt;

Min Conc: 0



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



$$y = 4.5172\text{E-}004 * x + 2.4956\text{E-}004$$

$$R = 0.9999$$

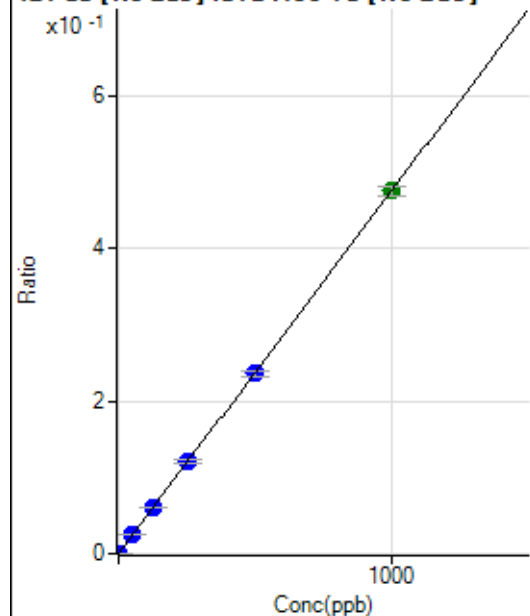
$$DL = 0.06194$$

$$BEC = 0.5525$$

Weight: &lt;None&gt;

Min Conc: 0

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



$$y = 4.7518\text{E-}004 * x + 9.1736\text{E-}007$$

$$R = 1.0000$$

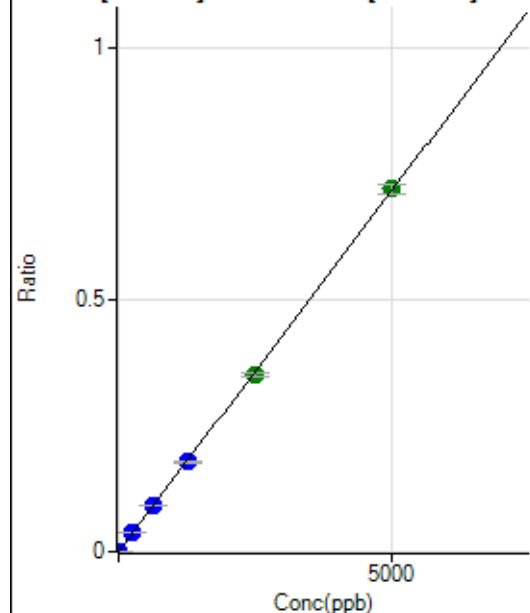
$$DL = 0.002493$$

$$BEC = 0.001931$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.89       | 0.0000 | P    | 57.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.957      | 673.36     | 0.0001 | P    | 7.8  |
| 3 | <input type="checkbox"/> | 10.000   | 9.505      | 6517.10    | 0.0014 | P    | 1.6  |
| 4 | <input type="checkbox"/> | 250.000  | 258.825    | 180340.69  | 0.0370 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 625.000  | 630.569    | 444021.51  | 0.0902 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 1250.000 | 1245.825   | 881526.81  | 0.1783 | P    | 2.8  |
| 7 | <input type="checkbox"/> | 2500.000 | 2444.217   | 1745240.17 | 0.3497 | A    | 2.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 5027.799   | 3547758.21 | 0.7194 | A    | 2.4  |
| 9 | <input type="checkbox"/> |          |            | 2310.22    | 0.0005 | P    | 7.5  |

$$y = 1.4308\text{E-}004 * x + 1.8367\text{E-}006$$

$$R = 0.9999$$

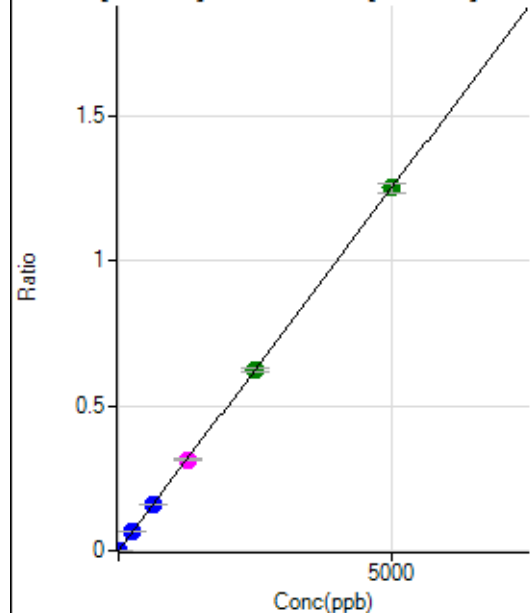
$$DL = 0.02202$$

$$BEC = 0.01284$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 18.89      | 0.0000 | P    | 44.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.923      | 1137.84    | 0.0002 | P    | 3.5  |
| 3 | <input type="checkbox"/> | 10.000   | 9.523      | 11401.34   | 0.0024 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 250.000  | 260.010    | 316310.81  | 0.0650 | P    | 2.1  |
| 5 | <input type="checkbox"/> | 625.000  | 635.629    | 781425.33  | 0.1588 | P    | 1.9  |
| 6 | <input type="checkbox"/> | 1250.000 | 1253.528   | 1548644.11 | 0.3132 | M    | 2.9  |
| 7 | <input type="checkbox"/> | 2500.000 | 2488.488   | 3102235.65 | 0.6217 | A    | 2.7  |
| 8 | <input type="checkbox"/> | 5000.000 | 5003.046   | 6163745.81 | 1.2499 | A    | 2.4  |
| 9 | <input type="checkbox"/> |          |            | 4299.59    | 0.0010 | P    | 8.8  |

$$y = 2.4982\text{E-}004 * x + 3.9035\text{E-}006$$

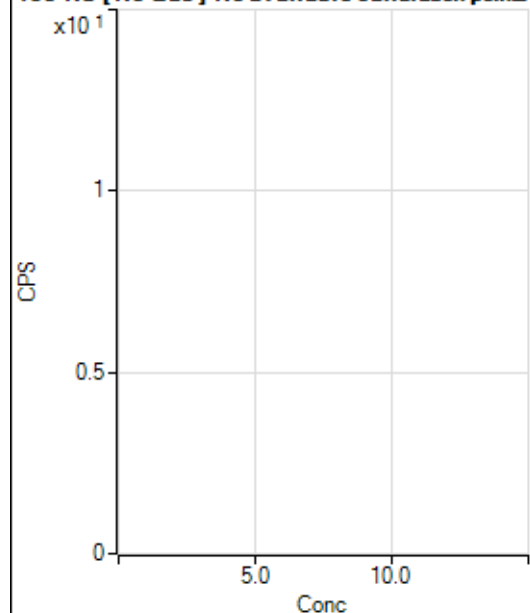
$$R = 1.0000$$

$$DL = 0.02076$$

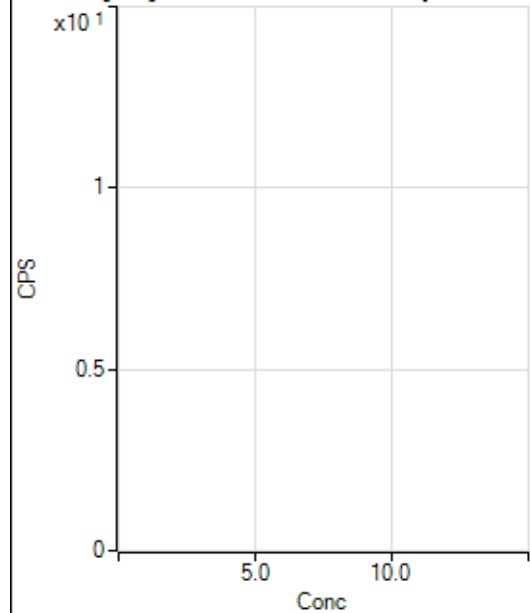
$$BEC = 0.01563$$

Weight: &lt;None&gt;

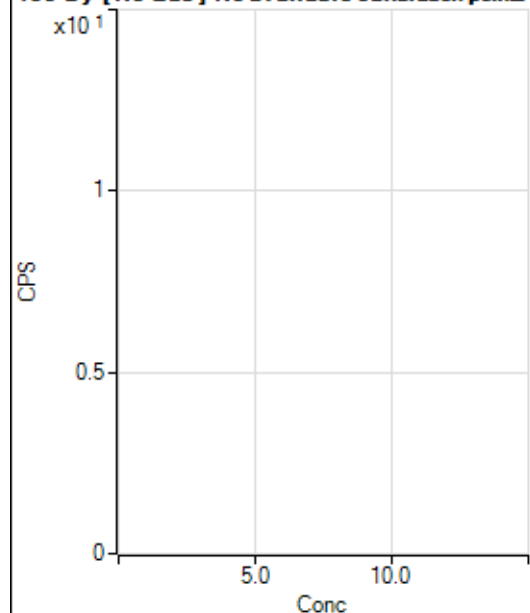
Min Conc: 0

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

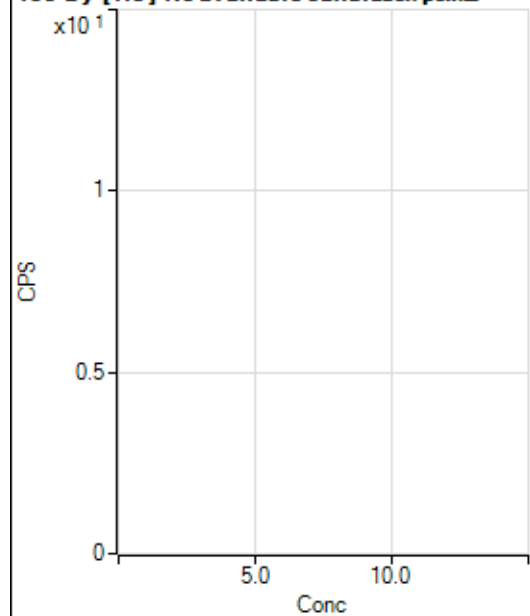
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 3.33    |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 2.22    |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 2.22    |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 63.33   |       | P        | 36.8 |
| 5 | <input type="checkbox"/> |       |            | 117.78  |       | P        | 14.0 |
| 6 | <input type="checkbox"/> |       |            | 248.89  |       | P        | 10.2 |
| 7 | <input type="checkbox"/> |       |            | 468.90  |       | P        | 9.7  |
| 8 | <input type="checkbox"/> |       |            | 1003.38 |       | P        | 8.7  |
| 9 | <input type="checkbox"/> |       |            | 21.11   |       | P        | 55.4 |

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

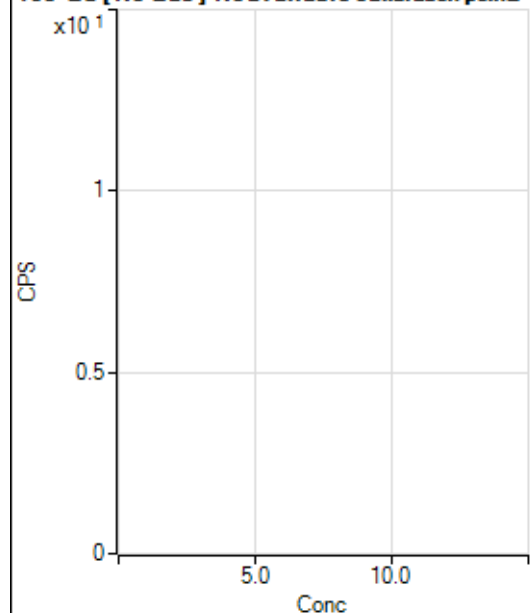
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 4 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 20.0 |
| 5 | <input type="checkbox"/> |       |            | 24.44  |       | P        | 7.9  |
| 6 | <input type="checkbox"/> |       |            | 35.56  |       | P        | 5.4  |
| 7 | <input type="checkbox"/> |       |            | 105.56 |       | P        | 14.9 |
| 8 | <input type="checkbox"/> |       |            | 214.45 |       | P        | 13.9 |
| 9 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 20.0 |

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

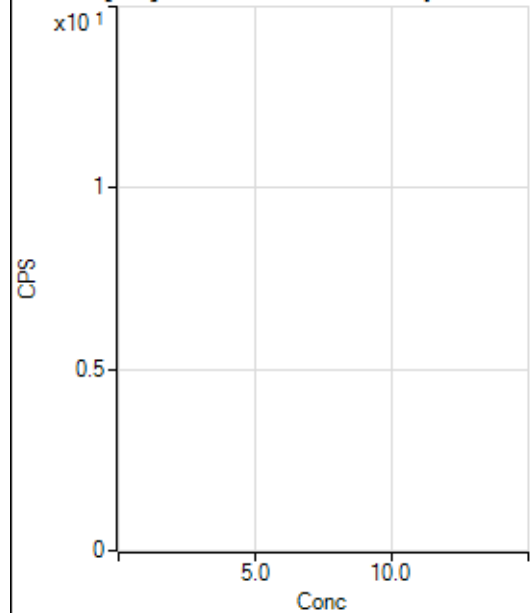
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 7.78   |       | P        | 89.2 |
| 2 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 43.3 |
| 3 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 34.7 |
| 4 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 22.9 |
| 5 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 26.7 |
| 6 | <input type="checkbox"/> |       |            | 78.89  |       | P        | 16.0 |
| 7 | <input type="checkbox"/> |       |            | 154.45 |       | P        | 18.4 |
| 8 | <input type="checkbox"/> |       |            | 320.01 |       | P        | 12.3 |
| 9 | <input type="checkbox"/> |       |            | 570.02 |       | P        | 5.6  |

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

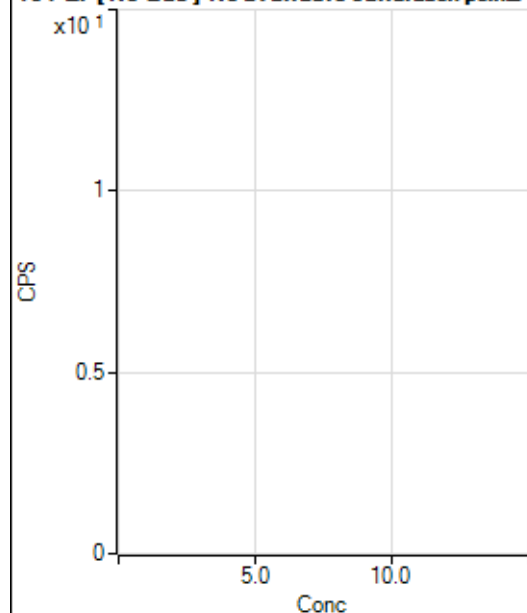
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 17.78  |       | P        | 78.1 |
| 5 | <input type="checkbox"/> |       |            | 32.22  |       | P        | 15.8 |
| 6 | <input type="checkbox"/> |       |            | 78.89  |       | P        | 44.0 |
| 7 | <input type="checkbox"/> |       |            | 148.89 |       | P        | 18.1 |
| 8 | <input type="checkbox"/> |       |            | 245.56 |       | P        | 5.7  |
| 9 | <input type="checkbox"/> |       |            | 377.79 |       | P        | 8.0  |

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

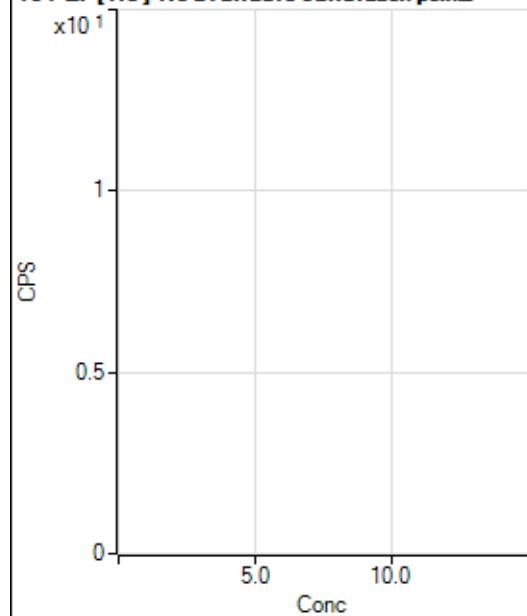
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 30.00  |       | P        | 29.4 |
| 2 | <input type="checkbox"/> |       |            | 17.78  |       | P        | 47.2 |
| 3 | <input type="checkbox"/> |       |            | 24.44  |       | P        | 20.8 |
| 4 | <input type="checkbox"/> |       |            | 35.56  |       | P        | 46.2 |
| 5 | <input type="checkbox"/> |       |            | 51.11  |       | P        | 22.9 |
| 6 | <input type="checkbox"/> |       |            | 47.78  |       | P        | 46.5 |
| 7 | <input type="checkbox"/> |       |            | 111.11 |       | P        | 17.6 |
| 8 | <input type="checkbox"/> |       |            | 205.56 |       | P        | 12.4 |
| 9 | <input type="checkbox"/> |       |            | 650.02 |       | P        | 5.1  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 154.45 |       | P        | 2.5  |
| 2 | <input type="checkbox"/> |       |            | 145.56 |       | P        | 13.8 |
| 3 | <input type="checkbox"/> |       |            | 162.23 |       | P        | 18.5 |
| 4 | <input type="checkbox"/> |       |            | 130.00 |       | P        | 31.2 |
| 5 | <input type="checkbox"/> |       |            | 165.56 |       | P        | 11.1 |
| 6 | <input type="checkbox"/> |       |            | 204.45 |       | P        | 11.1 |
| 7 | <input type="checkbox"/> |       |            | 172.23 |       | P        | 17.5 |
| 8 | <input type="checkbox"/> |       |            | 290.01 |       | P        | 21.1 |
| 9 | <input type="checkbox"/> |       |            | 546.68 |       | P        | 6.7  |

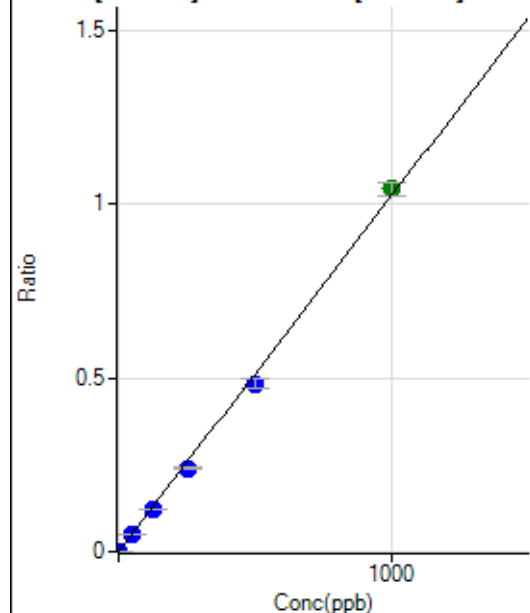
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 44.44 |       | P        | 28.4 |
| 2 | <input type="checkbox"/> |       |            | 35.56 |       | P        | 39.0 |
| 3 | <input type="checkbox"/> |       |            | 42.22 |       | P        | 24.1 |
| 4 | <input type="checkbox"/> |       |            | 41.11 |       | P        | 28.5 |
| 5 | <input type="checkbox"/> |       |            | 45.56 |       | P        | 18.4 |
| 6 | <input type="checkbox"/> |       |            | 31.11 |       | P        | 34.4 |
| 7 | <input type="checkbox"/> |       |            | 44.44 |       | P        | 11.5 |
| 8 | <input type="checkbox"/> |       |            | 92.22 |       | P        | 38.7 |
| 9 | <input type="checkbox"/> |       |            | 46.67 |       | P        | 21.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 68.7 |
| 2 | <input type="checkbox"/> |       |            | 21.11 |       | P        | 36.5 |
| 3 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 10.2 |
| 4 | <input type="checkbox"/> |       |            | 36.67 |       | P        | 24.1 |
| 5 | <input type="checkbox"/> |       |            | 24.44 |       | P        | 20.8 |
| 6 | <input type="checkbox"/> |       |            | 28.89 |       | P        | 53.3 |
| 7 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 22.9 |
| 8 | <input type="checkbox"/> |       |            | 50.00 |       | P        | 17.6 |
| 9 | <input type="checkbox"/> |       |            | 34.44 |       | P        | 49.7 |

203 Tl [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      | 65.55      | 0.0000 | P    | 10.7 |
| 2 | <input type="checkbox"/> | 0.100    | 0.075      | 336.67     | 0.0001 | P    | 7.6  |
| 3 | <input type="checkbox"/> | 1.000    | 0.872      | 3189.29    | 0.0009 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 50.000   | 47.374     | 172499.97  | 0.0485 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 118.134    | 428323.71  | 0.1209 | P    | 2.0  |
| 6 | <input type="checkbox"/> | 250.000  | 233.750    | 852477.69  | 0.2393 | P    | 2.6  |
| 7 | <input type="checkbox"/> | 500.000  | 471.838    | 1692010.55 | 0.4829 | P    | 5.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1019.133   | 3572893.56 | 1.0431 | A    | 3.8  |
| 9 | <input type="checkbox"/> |          |            | 750.03     | 0.0003 | P    | 32.4 |

$$y = 0.0010 * x + 1.8666E-005$$

$$R = 0.9993$$

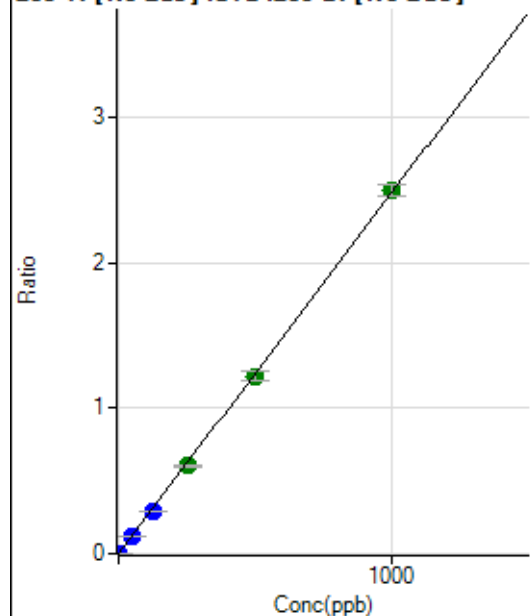
$$DL = 0.00588$$

$$BEC = 0.01824$$

Weight: &lt;None&gt;

Min Conc: 0

205 Tl [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      | 112.22     | 0.0000 | P    | 39.0 |
| 2 | <input type="checkbox"/> | 0.100    | 0.083      | 832.26     | 0.0002 | P    | 4.9  |
| 3 | <input type="checkbox"/> | 1.000    | 0.850      | 7495.47    | 0.0021 | P    | 3.5  |
| 4 | <input type="checkbox"/> | 50.000   | 46.963     | 414809.28  | 0.1166 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 116.048    | 1020652.61 | 0.2882 | P    | 2.4  |
| 6 | <input type="checkbox"/> | 250.000  | 244.106    | 2159573.58 | 0.6061 | A    | 3.1  |
| 7 | <input type="checkbox"/> | 500.000  | 493.024    | 4289851.64 | 1.2242 | A    | 4.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 1006.232   | 8559125.50 | 2.4985 | A    | 3.1  |
| 9 | <input type="checkbox"/> |          |            | 1821.26    | 0.0007 | P    | 29.5 |

$$y = 0.0025 * x + 3.1984E-005$$

$$R = 0.9999$$

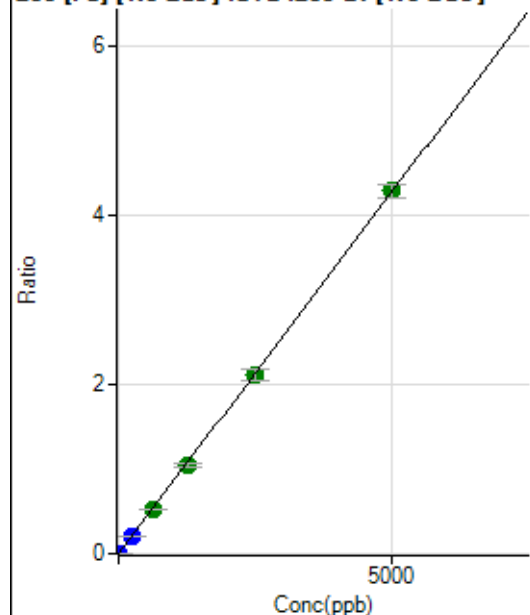
$$DL = 0.01505$$

$$BEC = 0.01288$$

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      | 91.11       | 0.0000 | P        | 9.6  |
| 2 | <input type="checkbox"/> | 0.100    | 0.082      | 337.79      | 0.0001 | P        | 5.5  |
| 3 | <input type="checkbox"/> | 1.000    | 0.889      | 2752.53     | 0.0008 | P        | 4.4  |
| 4 | <input type="checkbox"/> | 250.000  | 235.737    | 716708.18   | 0.2015 | P        | 1.3  |
| 5 | <input type="checkbox"/> | 625.000  | 618.657    | 1873606.31  | 0.5289 | A        | 1.6  |
| 6 | <input type="checkbox"/> | 1250.000 | 1222.219   | 3722315.29  | 1.0448 | A        | 3.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2475.899   | 7414341.56  | 2.1164 | A        | 6.1  |
| 8 | <input type="checkbox"/> | 5000.000 | 5020.502   | 14699777.14 | 4.2916 | A        | 3.9  |
| 9 | <input type="checkbox"/> |          |            | 4051.78     | 0.0015 | P        | 22.5 |

$$y = 8.5481\text{E-}004 * x + 2.5947\text{E-}005$$

$$R = 1.0000$$

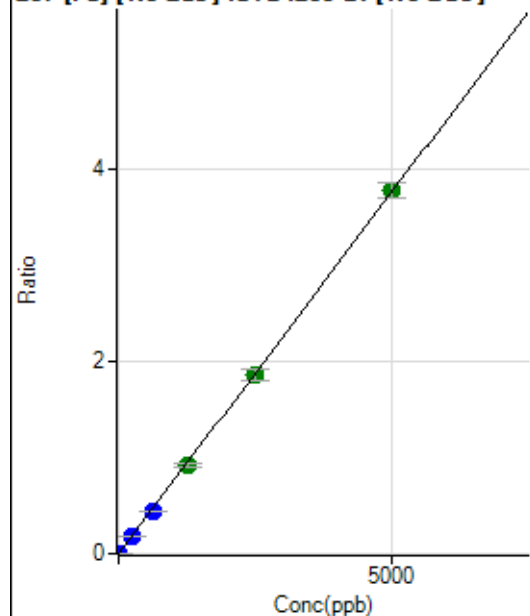
$$DL = 0.008719$$

$$BEC = 0.03035$$

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      | 88.89       | 0.0000 | P        | 3.9  |
| 2 | <input type="checkbox"/> | 0.100    | 0.089      | 324.45      | 0.0001 | P        | 13.3 |
| 3 | <input type="checkbox"/> | 1.000    | 0.852      | 2329.12     | 0.0007 | P        | 2.8  |
| 4 | <input type="checkbox"/> | 250.000  | 235.327    | 629276.55   | 0.1769 | P        | 0.9  |
| 5 | <input type="checkbox"/> | 625.000  | 584.007    | 1555197.69  | 0.4391 | P        | 2.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1223.580   | 3277500.05  | 0.9199 | A        | 3.1  |
| 7 | <input type="checkbox"/> | 2500.000 | 2477.683   | 6526120.53  | 1.8628 | A        | 5.7  |
| 8 | <input type="checkbox"/> | 5000.000 | 5023.622   | 12936002.44 | 3.7769 | A        | 4.2  |
| 9 | <input type="checkbox"/> |          |            | 3655.00     | 0.0013 | P        | 24.8 |

$$y = 7.5182\text{E-}004 * x + 2.5305\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.003894$$

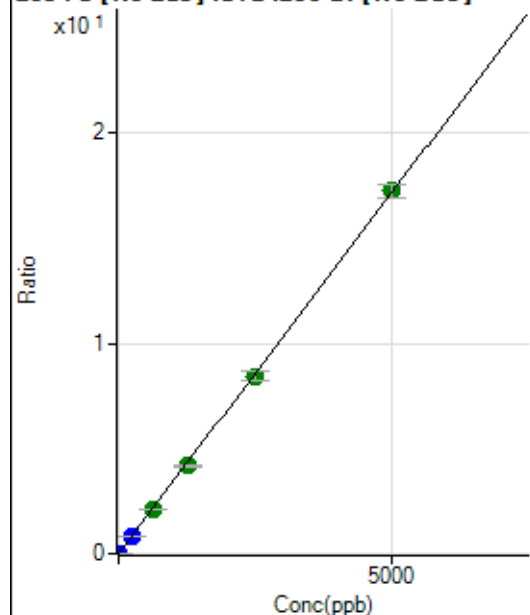
$$BEC = 0.03366$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 417.78      | 0.0001  | P        | 9.7  |
| 2 | <input type="checkbox"/> | 0.100    | 0.087      | 1460.05     | 0.0004  | P        | 2.8  |
| 3 | <input type="checkbox"/> | 1.000    | 0.863      | 10772.89    | 0.0031  | P        | 2.3  |
| 4 | <input type="checkbox"/> | 250.000  | 235.747    | 2874551.85  | 0.8083  | P        | 1.3  |
| 5 | <input type="checkbox"/> | 625.000  | 607.379    | 7376497.62  | 2.0823  | A        | 1.8  |
| 6 | <input type="checkbox"/> | 1250.000 | 1219.455   | 14894575.99 | 4.1807  | A        | 3.1  |
| 7 | <input type="checkbox"/> | 2500.000 | 2464.980   | 29605819.35 | 8.4506  | A        | 5.6  |
| 8 | <input type="checkbox"/> | 5000.000 | 5028.062   | 59043024.68 | 17.2374 | A        | 3.8  |
| 9 | <input type="checkbox"/> |          |            | 16244.07    | 0.0059  | P        | 23.2 |

$$y = 0.0034 * x + 1.1896E-004$$

$$R = 0.9999$$

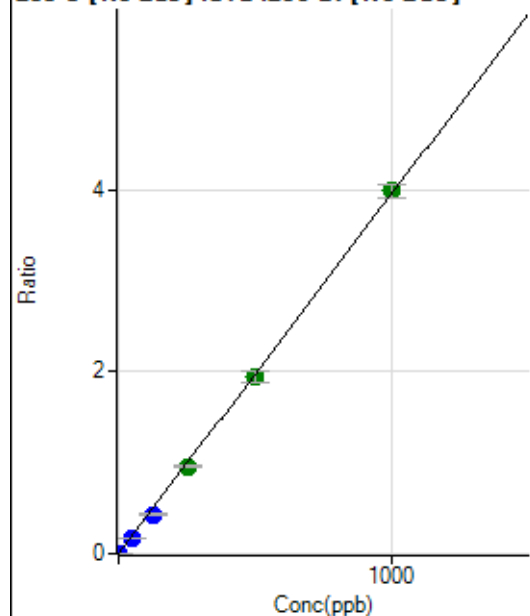
$$DL = 0.01013$$

$$BEC = 0.0347$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.22        | 0.0000 | P        | 86.6 |
| 2 | <input type="checkbox"/> | 0.100    | 0.078      | 1080.05     | 0.0003 | P        | 6.2  |
| 3 | <input type="checkbox"/> | 1.000    | 0.798      | 11044.68    | 0.0032 | P        | 0.4  |
| 4 | <input type="checkbox"/> | 50.000   | 43.304     | 609022.59   | 0.1713 | P        | 1.7  |
| 5 | <input type="checkbox"/> | 125.000  | 108.372    | 1517977.39  | 0.4286 | P        | 2.3  |
| 6 | <input type="checkbox"/> | 250.000  | 241.530    | 3403179.18  | 0.9552 | A        | 2.8  |
| 7 | <input type="checkbox"/> | 500.000  | 491.722    | 6811532.47  | 1.9446 | A        | 6.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1008.670   | 13664504.94 | 3.9890 | A        | 3.6  |
| 9 | <input type="checkbox"/> |          |            | 2263.57     | 0.0008 | P        | 35.0 |

$$y = 0.0040 * x + 6.3126E-007$$

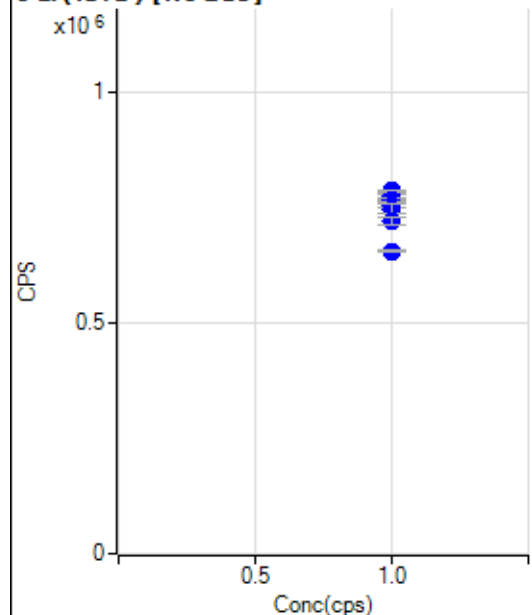
$$R = 0.9998$$

$$DL = 0.0004147$$

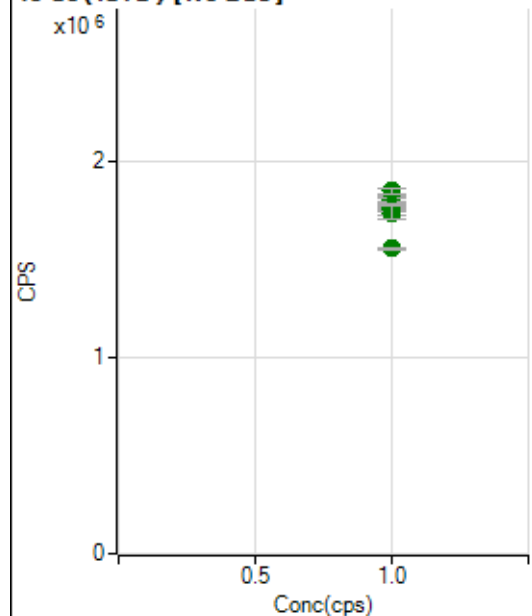
$$BEC = 0.0001596$$

Weight: &lt;None&gt;

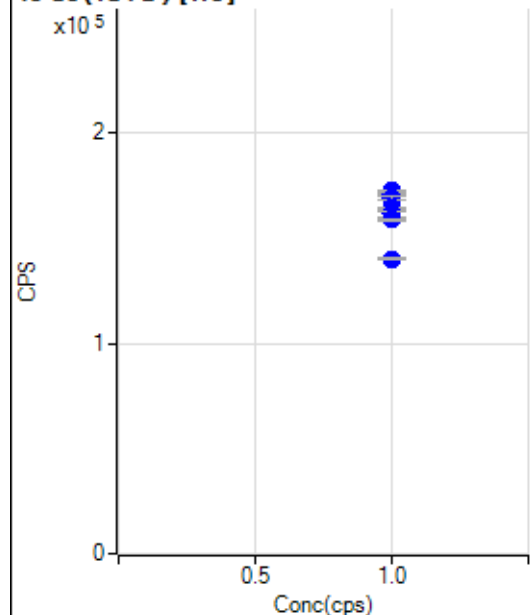
Min Conc: 0

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

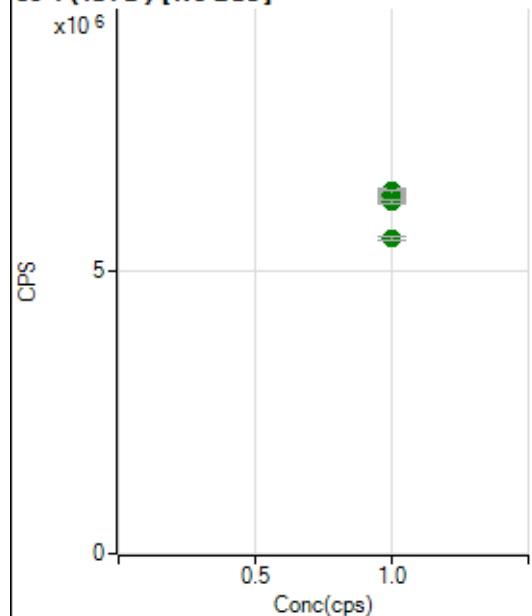
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 775449.32 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 772198.57 |       | P        | 1.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 763367.65 |       | P        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 785532.60 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 765662.70 |       | P        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 755334.89 |       | P        | 1.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 747167.39 |       | P        | 2.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 720551.92 |       | P        | 2.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 655322.21 |       | P        | 0.5 |

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

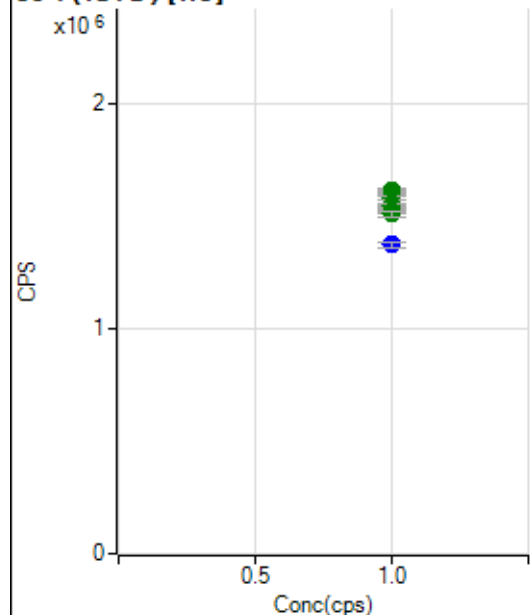
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1809265.13 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1802671.76 |       | A        | 2.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1778452.87 |       | A        | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1852926.40 |       | A        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1767103.24 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1775769.70 |       | A        | 2.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1761572.93 |       | A        | 3.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1741249.38 |       | A        | 4.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1558703.59 |       | A        | 0.9 |

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

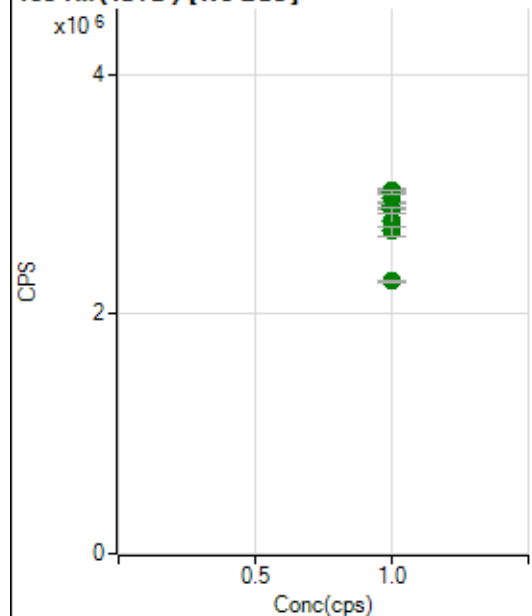
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 171706.52 |       | P        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 170601.52 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 171117.90 |       | P        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 172569.38 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 169234.32 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 164288.19 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 161533.94 |       | P        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 158906.13 |       | P        | 0.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 140247.12 |       | P        | 0.9 |

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

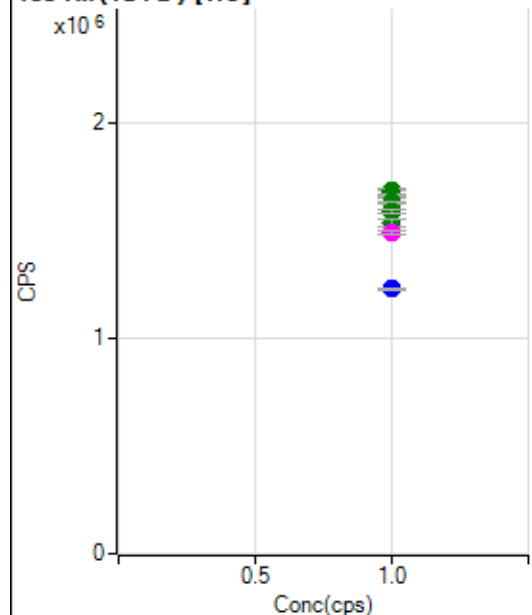
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6331571.64 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6320964.56 |       | A        | 2.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6329093.86 |       | A        | 2.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6397453.52 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6278623.03 |       | A        | 2.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6352704.63 |       | A        | 2.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6308602.27 |       | A        | 2.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6212882.20 |       | A        | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5553412.04 |       | A        | 1.3 |

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

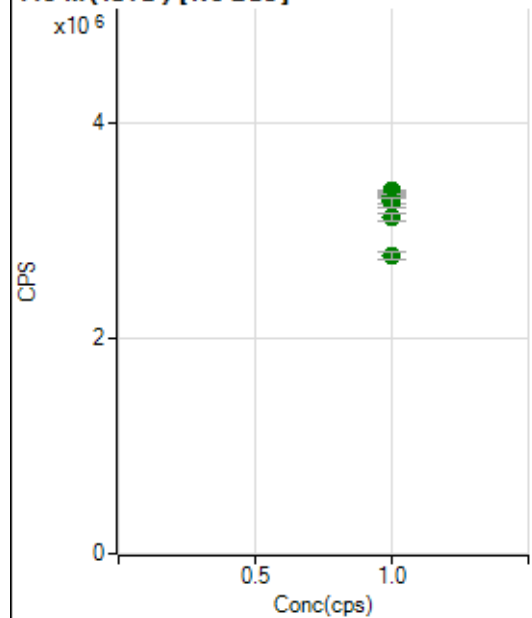
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1612070.36 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1607163.60 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1597141.83 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1581760.46 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1557311.75 |       | A        | 1.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1546900.05 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1519705.17 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1510027.08 |       | A        | 1.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1373581.96 |       | P        | 1.8 |

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

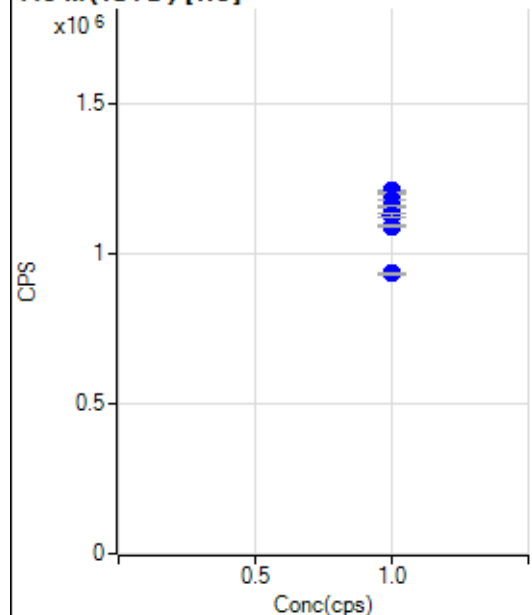
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3029723.18 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2970292.42 |       | A        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2973912.52 |       | A        | 2.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3016289.54 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2899211.73 |       | A        | 1.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2870426.24 |       | A        | 1.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2786140.10 |       | A        | 4.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2690707.03 |       | A        | 2.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2274158.39 |       | A        | 0.6 |

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

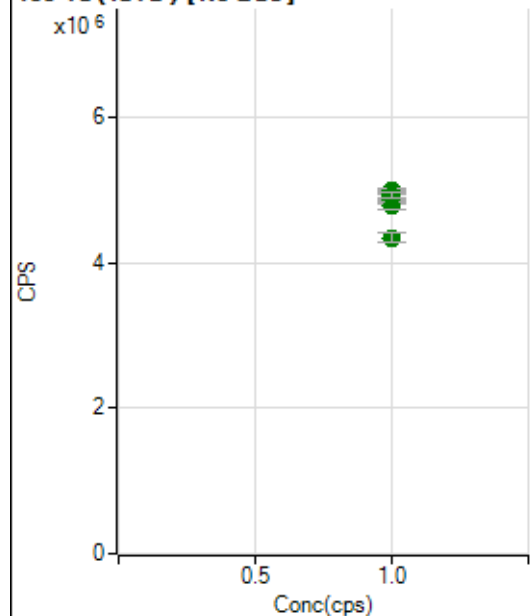
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1680618.14 |       | A        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1685688.65 |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1660130.89 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1667904.58 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1631370.91 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1589532.51 |       | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1538099.94 |       | A        | 2.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1490477.29 |       | M        | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1228665.10 |       | P        | 1.2 |

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

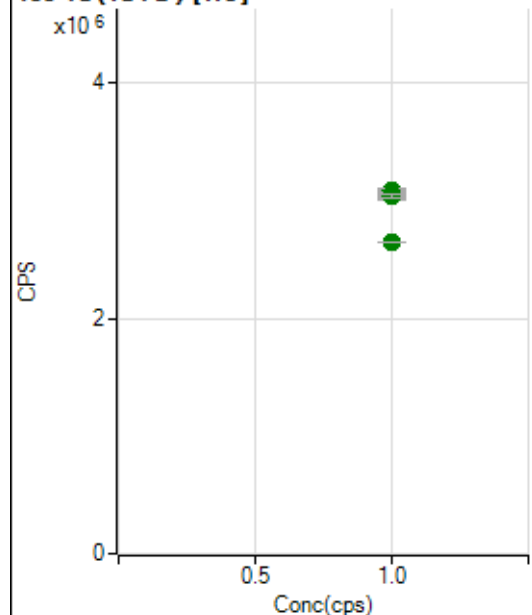
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3370153.90 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3342630.51 |       | A        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3292139.22 |       | A        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3340678.22 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3320425.00 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3294419.09 |       | A        | 2.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3263997.59 |       | A        | 2.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3127865.33 |       | A        | 1.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2772483.06 |       | A        | 2.3 |

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

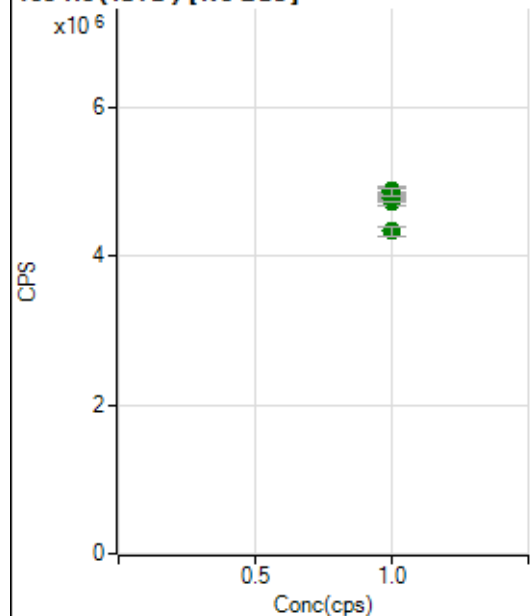
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1209397.24 |       | P        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1203711.43 |       | P        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1200950.71 |       | P        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1202633.65 |       | P        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1178878.50 |       | P        | 0.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1158721.98 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1129202.83 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1091183.46 |       | P        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 933935.75  |       | P        | 1.1 |

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

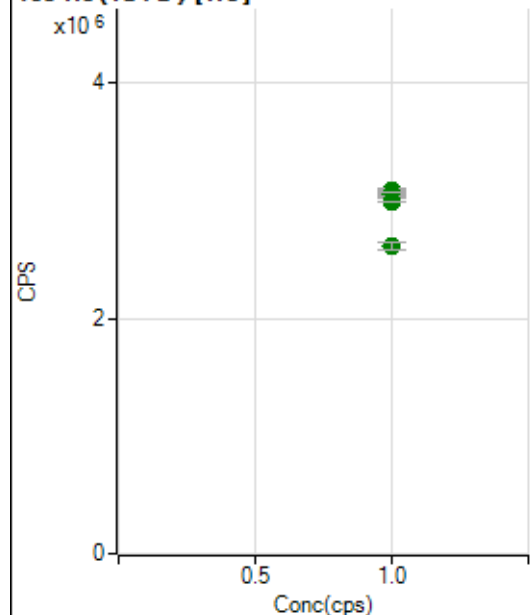
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4839371.11 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4851131.73 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4785224.48 |       | A        | 2.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4869927.56 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4921514.23 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4947407.70 |       | A        | 2.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4990801.35 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4932930.66 |       | A        | 1.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4350242.78 |       | A        | 2.7 |

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

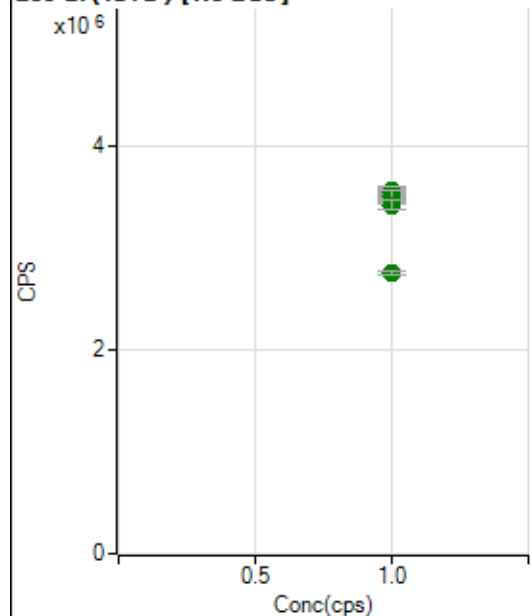
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3079703.36 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3074545.93 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3059386.66 |       | A        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3082081.76 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3041385.75 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3058028.39 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3032979.92 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3037411.31 |       | A        | 1.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2644677.83 |       | A        | 0.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4807218.30 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4723258.47 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4769778.61 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4823637.91 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4777467.32 |       | A        | 2.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4877147.74 |       | A        | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4873595.73 |       | A        | 3.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4866643.99 |       | A        | 2.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4331202.47 |       | A        | 3.1 |

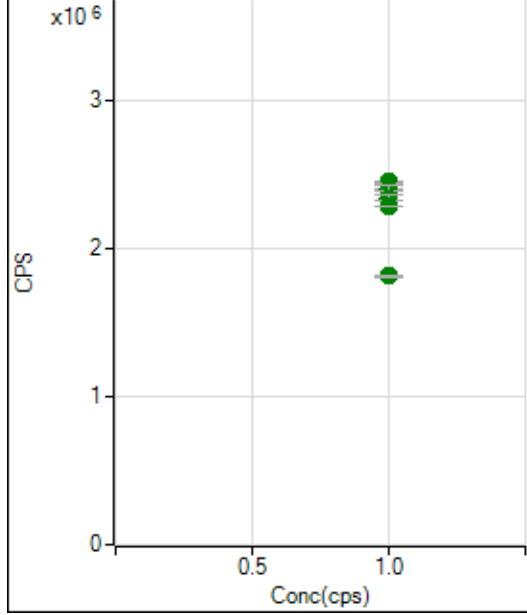
**165 Ho (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3070274.05 |       | A        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3044545.33 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3063049.19 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3084838.11 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3076329.68 |       | A        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3067033.29 |       | A        | 2.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3054699.57 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2992350.82 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2621886.89 |       | A        | 2.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3512295.54 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3512573.00 |       | A        | 2.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3501105.54 |       | A        | 2.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3556271.23 |       | A        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3543083.38 |       | A        | 2.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3564339.39 |       | A        | 2.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3507911.13 |       | A        | 3.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3427431.06 |       | A        | 2.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2756715.86 |       | A        | 1.5 |



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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2448796.65 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2440432.53 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2422794.04 |       | A        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2446495.33 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2440955.35 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2403725.42 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2337517.81 |       | A        | 1.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2283201.65 |       | A        | 0.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1810755.79 |       | A        | 1.1 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7053023-MS.b  
Acq. Date-Time 2023-05-30 12:29:40  
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    |              | 3224  | 32237.64  |                            |             | 1.081  | 5.000           |
| 24   |              | 38011 | 380109.89 |                            |             | 0.338  | 5.000           |
| 25   |              | 5250  | 52499.04  |                            |             | 0.775  | 5.000           |
| 26   |              | 6057  | 60569.93  |                            |             | 0.314  | 5.000           |
| 59   |              | 27431 | 274307.09 |                            |             | 0.781  | 5.000           |
| 113  |              | 3971  | 39711.61  |                            |             | 1.210  | 5.000           |
| 115  |              | 48878 | 488778.48 |                            |             | 1.678  | 5.000           |
| 206  |              | 14550 | 145498.29 |                            |             | 1.514  | 5.000           |
| 207  |              | 13287 | 132869.11 |                            |             | 1.166  | 5.000           |
| 208  |              | 31159 | 311587.60 |                            |             | 1.473  | 5.000           |
| 220  |              | 0     | 0.70      |                            |             | 81.441 |                 |

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

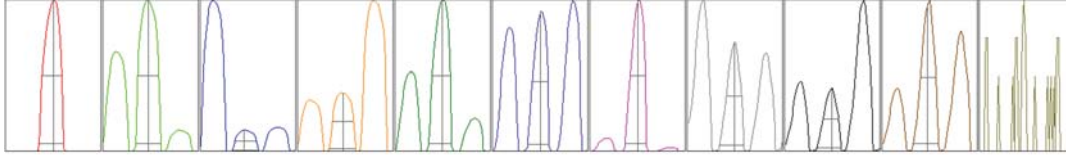
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 3283        | 3228        | 3202        | 3201        | 3205        |
| 24   | 38023       | 38102       | 38167       | 37885       | 37878       |
| 25   | 5264        | 5310        | 5247        | 5227        | 5202        |
| 26   | 6065        | 6074        | 6072        | 6042        | 6032        |
| 59   | 27077       | 27546       | 27642       | 27448       | 27441       |
| 113  | 3887        | 3993        | 4007        | 3985        | 3984        |
| 115  | 47491       | 49056       | 49686       | 49105       | 49051       |
| 206  | 14181       | 14609       | 14749       | 14671       | 14538       |
| 207  | 13044       | 13242       | 13436       | 13395       | 13318       |
| 208  | 30391       | 31129       | 31585       | 31319       | 31370       |

# 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    | 5633.11     | 9.05   | 8.90 - 9.10     |             |
| 24   | 60357.84    | 23.95  | 23.90 - 24.10   |             |
| 25   | 8231.59     | 24.90  | 24.90 - 25.10   |             |
| 26   | 9289.41     | 25.95  | 25.90 - 26.10   |             |
| 59   | 50599.60    | 59.00  | 58.90 - 59.10   |             |
| 113  | 8357.15     | 113.05 | 112.90 - 113.10 |             |
| 115  | 104824.83   | 115.05 | 114.90 - 115.10 |             |
| 206  | 30380.60    | 206.00 | 205.90 - 206.10 |             |
| 207  | 27517.08    | 207.00 | 206.90 - 207.10 |             |
| 208  | 64234.18    | 207.95 | 207.90 - 208.10 |             |
| 220  | 0.00        | 219.60 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.61  | 0.778 | 0.900           |             |
| 24   | 0.66  | 0.791 | 0.900           |             |
| 25   | 0.67  | 0.825 | 0.900           |             |
| 26   | 0.67  | 0.833 | 0.900           |             |
| 59   | 0.56  | 0.734 | 0.900           |             |
| 113  | 0.49  | 0.674 | 0.900           |             |
| 115  | 0.47  | 0.678 | 0.900           |             |
| 206  | 0.48  | 0.770 | 0.900           |             |
| 207  | 0.48  | 0.770 | 0.900           |             |
| 208  | 0.48  | 0.797 | 0.900           |             |
| 220  | 0.25  | 0.250 |                 |             |

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    | 8.7 V | Deflect    | 16.8 V |
| Extract 2  | -80.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -55 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      | 190 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 1.0001 | QP Bias | -3.0 V |
| Mass Offset | 125 | Axis Offset | 0.03   |         |        |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -1.4 mm | Torch V | 1.2 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.2 mV | Analog HV | 2294 V | Pulse HV | 1644 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 9624  | 96240.52  |                            |             | 0.267 |                 |
| 89   |              | 15023 | 150226.85 |                            |             | 0.373 |                 |
| 205  |              | 12807 | 128066.30 |                            |             | 0.272 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 9625        | 9666        | 9625        | 9602        | 9603        |
| 89   | 15066       | 14959       | 15091       | 14978       | 15019       |
| 205  | 12804       | 12748       | 12829       | 12818       | 12834       |

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 | 8.3 V | Deflect | 2.8 V |
|-----------|-------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |         |               |       |            |       |
|------------|---------|---------------|-------|------------|-------|
| Extract 2  | -65.0 V | Cell Entrance | -40 V | Plate Bias | -60 V |
| Omega Bias | -45 V   | Cell Exit     | -60 V |            |       |

## Cell Parameters

|         |            |              |         |                       |       |
|---------|------------|--------------|---------|-----------------------|-------|
| Use Gas | Yes        | 3rd Gas Flow | ---     | Energy Discrimination | 5.0 V |
| He Flow | 3.9 mL/min | OctP Bias    | -18.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 190 V   |                       |       |

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 123 | Axis Gain   | 1.0001 | QP Bias | -13.0 V |
| Mass Offset | 125 | Axis Offset | 0.03   |         |         |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -1.4 mm | Torch V | 1.2 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.2 mV | Analog HV | 2294 V | Pulse HV | 1644 V |
|---------------|--------|-----------|--------|----------|--------|