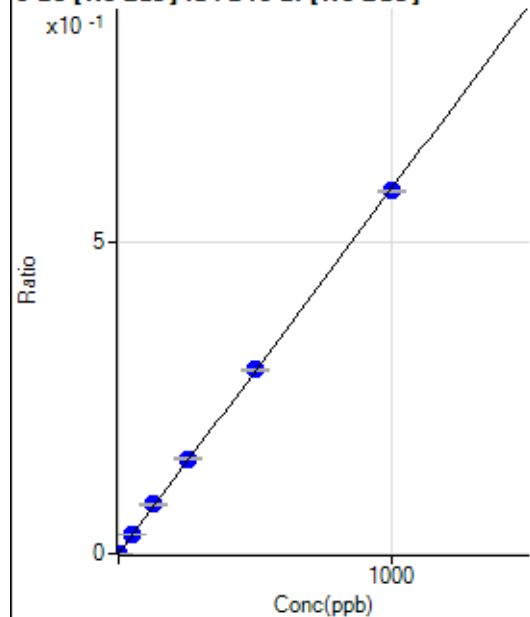


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7052223 MS.b\  
Analysis File: P7052223 MS.batch.bin  
DA Date-Time: 2023-05-22 19:03:18  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2023-05-22 12:28:15 |
| 2     | 005CALS.d          | S02         | 2023-05-22 12:34:46 |
| 3     | 006CALS.d          | S03         | 2023-05-22 12:38:02 |
| 4     | 007CALS.d          | S04         | 2023-05-22 12:41:13 |
| 5     | 008CALS.d          | S05         | 2023-05-22 12:44:19 |
| 6     | 009CALS.d          | S06         | 2023-05-22 12:47:15 |
| 7     | 010CALS.d          | S07         | 2023-05-22 12:50:07 |
| 8     | 011CALS.d          | S08         | 2023-05-22 12:52:54 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 32.22     | 0.0000 | P    | 20.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.104      | 743.36    | 0.0007 | P    | 5.8  |
| 3 | <input type="checkbox"/> | 50.000   | 54.233     | 34311.14  | 0.0317 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 125.000  | 134.339    | 81573.32  | 0.0786 | P    | 2.7  |
| 5 | <input type="checkbox"/> | 250.000  | 258.890    | 157245.29 | 0.1514 | P    | 1.8  |
| 6 | <input type="checkbox"/> | 500.000  | 505.109    | 302871.86 | 0.2954 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.844    | 579141.59 | 0.5812 | P    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 371.12    | 0.0004 | P    | 11.4 |

$$y = 5.8473\text{E-}004 * x + 3.0407\text{E-}005$$

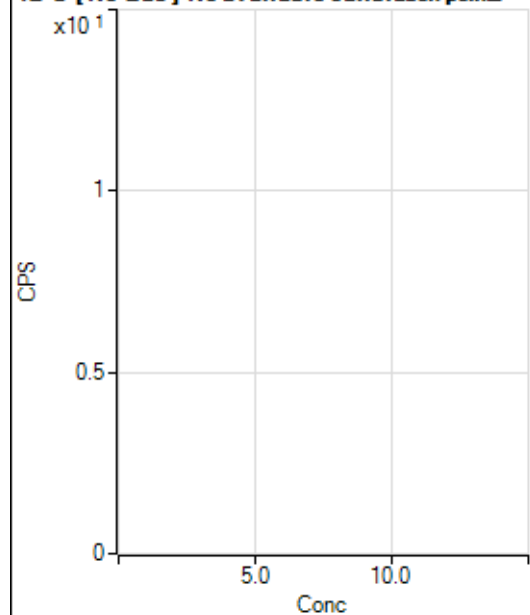
$$R = 0.9999$$

$$DL = 0.03267$$

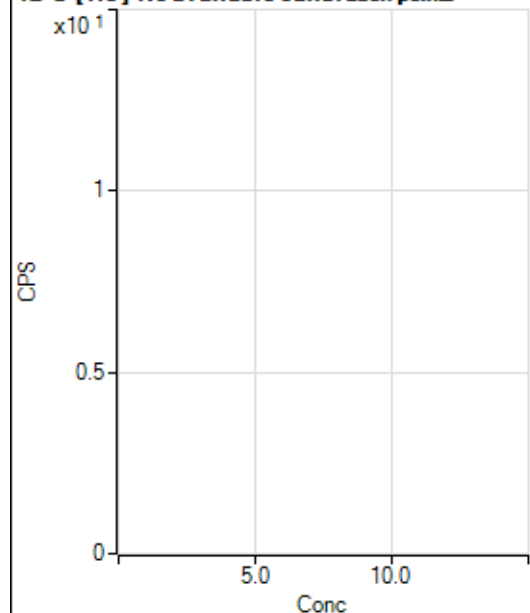
$$BEC = 0.052$$

Weight: &lt;None&gt;

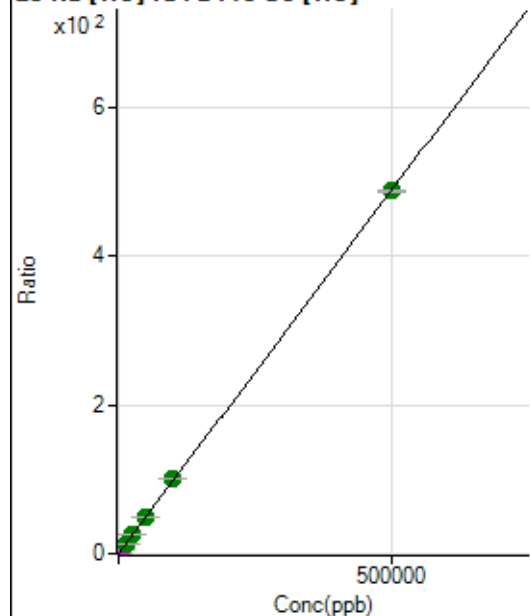
Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-----|-------|------|-----|
| 1 | <input type="checkbox"/> |       |            |     |       |      |     |
| 2 | <input type="checkbox"/> |       |            |     |       |      |     |
| 3 | <input type="checkbox"/> |       |            |     |       |      |     |
| 4 | <input type="checkbox"/> |       |            |     |       |      |     |
| 5 | <input type="checkbox"/> |       |            |     |       |      |     |
| 6 | <input type="checkbox"/> |       |            |     |       |      |     |
| 7 | <input type="checkbox"/> |       |            |     |       |      |     |
| 8 | <input type="checkbox"/> |       |            |     |       |      |     |

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

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

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 4592.94     | 0.0220   | P        | 1.0 |
| 2 | <input type="checkbox"/> | 500.000   | 500.821    | 109513.48   | 0.5107   | P        | 2.6 |
| 3 | <input type="checkbox"/> | 5000.000  | 5207.029   | 1066623.64  | 5.1035   | M        | 1.5 |
| 4 | <input type="checkbox"/> | 12500.000 | 12946.066  | 2525337.25  | 12.6560  | A        | 0.6 |
| 5 | <input type="checkbox"/> | 25000.000 | 25645.043  | 4865408.12  | 25.0488  | A        | 0.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 51321.153  | 9657572.70  | 50.1060  | A        | 0.3 |
| 7 | <input type="checkbox"/> | 100000.00 | 102438.69  | 18806227.92 | 99.9913  | A        | 0.7 |
| 8 | <input type="checkbox"/> | 500000.00 | 499334.67  | 84852573.18 | 487.3199 | A        | 0.3 |

$$y = 9.7589\text{E-}004 * x + 0.0220$$

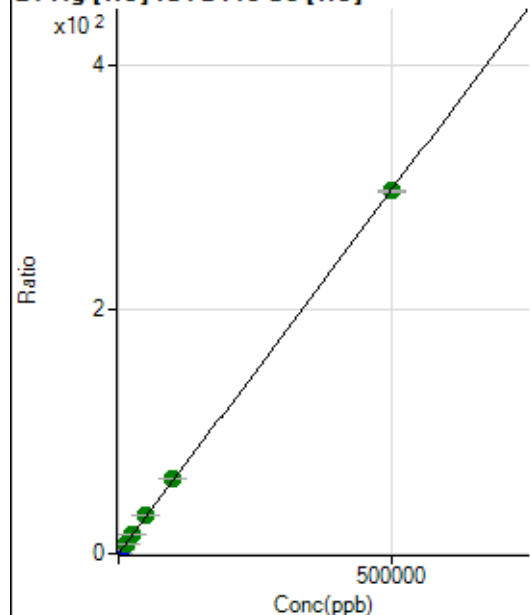
$$R = 1.0000$$

$$DL = 0.7082$$

$$BEC = 22.5$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 384.45      | 0.0018   | P   | 6.4 |
| 2 | <input type="checkbox"/> | 500.000   | 514.285    | 66031.83    | 0.3080   | P   | 3.3 |
| 3 | <input type="checkbox"/> | 5000.000  | 5418.763   | 674522.58   | 3.2274   | P   | 0.1 |
| 4 | <input type="checkbox"/> | 12500.000 | 13359.699  | 1587205.34  | 7.9544   | A   | 0.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 26693.075  | 3086683.60  | 15.8913  | A   | 0.7 |
| 6 | <input type="checkbox"/> | 50000.000 | 51939.445  | 5959450.74  | 30.9196  | A   | 1.2 |
| 7 | <input type="checkbox"/> | 100000.00 | 103796.68  | 11621155.38 | 61.7884  | A   | 0.1 |
| 8 | <input type="checkbox"/> | 500000.00 | 498936.37  | 51712769.79 | 297.0013 | A   | 0.7 |

$$y = 5.9527\text{E-}004 * x + 0.0018$$

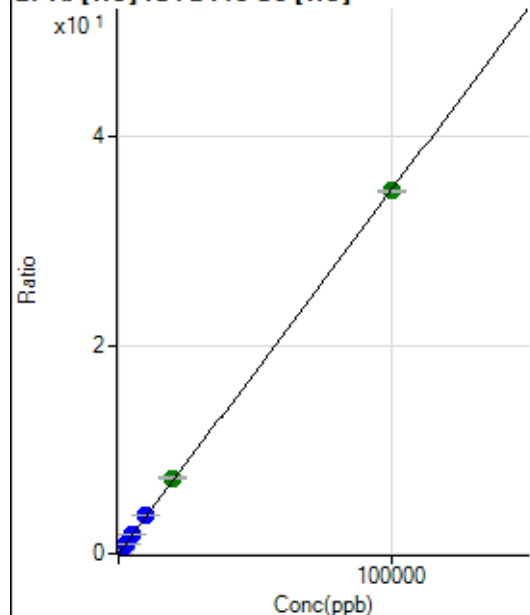
$$R = 1.0000$$

$$DL = 0.5935$$

$$BEC = 3.088$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 42.22      | 0.0002  | P   | 12.1 |
| 2 | <input type="checkbox"/> | 20.000    | 20.587     | 1580.10    | 0.0074  | P   | 10.7 |
| 3 | <input type="checkbox"/> | 1000.000  | 1076.572   | 78481.57   | 0.3755  | P   | 0.9  |
| 4 | <input type="checkbox"/> | 2500.000  | 2621.316   | 182386.69  | 0.9141  | P   | 0.9  |
| 5 | <input type="checkbox"/> | 5000.000  | 5242.018   | 355017.19  | 1.8277  | P   | 0.6  |
| 6 | <input type="checkbox"/> | 10000.000 | 10480.540  | 704285.33  | 3.6540  | P   | 0.3  |
| 7 | <input type="checkbox"/> | 20000.000 | 20863.434  | 1368064.37 | 7.2738  | A   | 0.9  |
| 8 | <input type="checkbox"/> | 100000.00 | 99763.360  | 6055919.98 | 34.7805 | A   | 0.4  |

$$y = 3.4863\text{E-}004 * x + 2.0187\text{E-}004$$

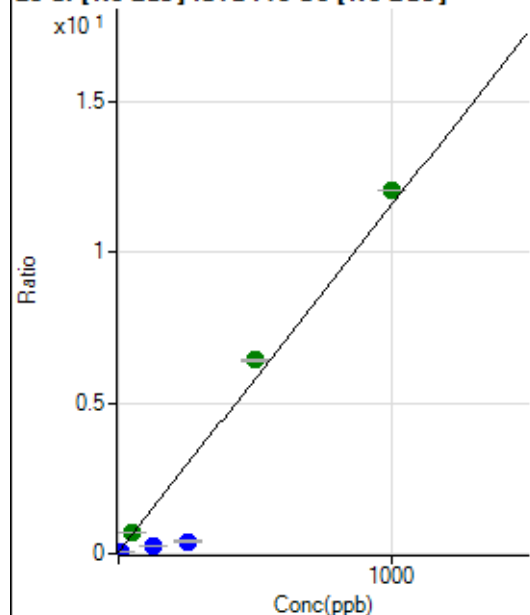
$$R = 1.0000$$

$$DL = 0.21$$

$$BEC = 0.579$$

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      | 146656.50   | 0.0592  | P    | 0.7  |
| 2 | <input type="checkbox"/> | 10.000   | 0.483      | 164678.52   | 0.0647  | P    | 3.9  |
| 3 | <input type="checkbox"/> | 50.000   | 56.084     | 1767440.98  | 0.7042  | A    | 2.0  |
| 4 | <input type="checkbox"/> | 125.000  | 16.008     | 573874.87   | 0.2433  | P    | 3.6  |
| 5 | <input type="checkbox"/> | 250.000  | 29.981     | 960077.12   | 0.4040  | P    | 6.4  |
| 6 | <input type="checkbox"/> | 500.000  | 554.136    | 15052756.58 | 6.4321  | A    | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 1041.352   | 27538570.42 | 12.0354 | A    | 0.1  |
| 8 | <input type="checkbox"/> |          |            | 664241.53   | 0.3102  | P    | 10.4 |

$$y = 0.0115 * x + 0.0592$$

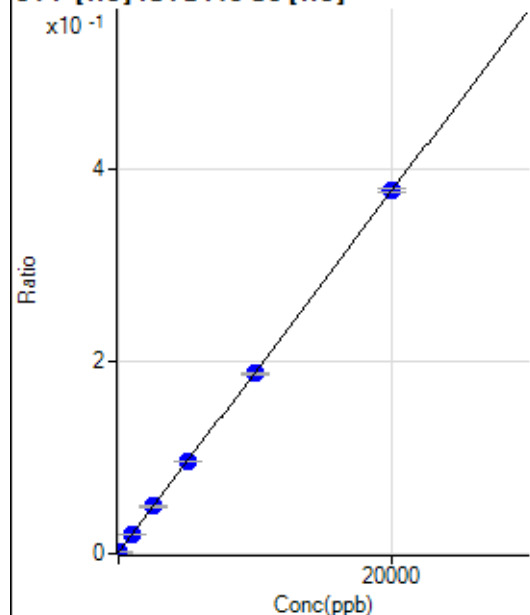
$$R = 0.9734$$

$$DL = 0.1072$$

$$BEC = 5.144$$

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     | -10.554    | 170.00   | 0.0008 | P    | 5.3  |
| 2 | <input type="checkbox"/> | 0.000     | 10.554     | 260.01   | 0.0012 | P    | 13.5 |
| 3 | <input type="checkbox"/> | 1000.000  | 987.319    | 4085.03  | 0.0195 | P    | 0.8  |
| 4 | <input type="checkbox"/> | 2500.000  | 2560.881   | 9794.33  | 0.0491 | P    | 1.6  |
| 5 | <input type="checkbox"/> | 5000.000  | 5076.054   | 18705.94 | 0.0963 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 10000.000 | 9900.501   | 36016.73 | 0.1869 | P    | 1.6  |
| 7 | <input type="checkbox"/> | 20000.000 | 20023.760  | 70889.87 | 0.3769 | P    | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 197.78   | 0.0011 | P    | 4.7  |

$$y = 1.8773E-005 * x + 0.0010$$

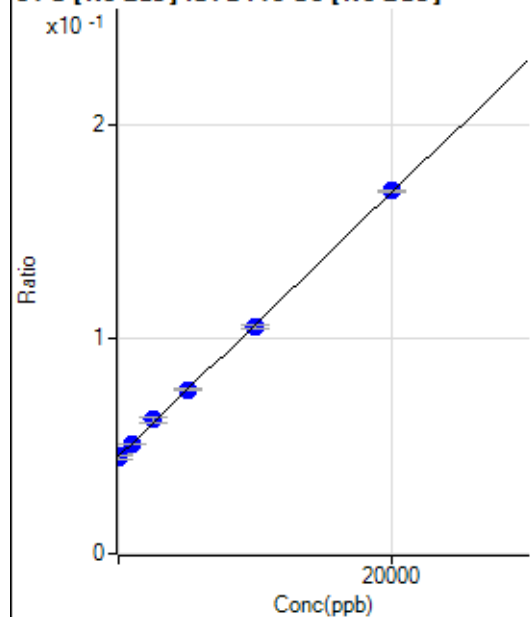
$$R = 1.0000$$

$$DL = 16.48$$

$$BEC = 53.85$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 78.386     | 114086.09 | 0.0460 | P   | 0.5 |
| 2 | <input type="checkbox"/> | 0.000     | -78.386    | 114644.63 | 0.0451 | P   | 4.2 |
| 3 | <input type="checkbox"/> | 1000.000  | 904.037    | 128253.57 | 0.0511 | P   | 1.3 |
| 4 | <input type="checkbox"/> | 2500.000  | 2781.615   | 147560.24 | 0.0626 | P   | 4.2 |
| 5 | <input type="checkbox"/> | 5000.000  | 5046.721   | 182012.99 | 0.0765 | P   | 1.2 |
| 6 | <input type="checkbox"/> | 10000.000 | 9738.116   | 246571.82 | 0.1054 | P   | 1.7 |
| 7 | <input type="checkbox"/> | 20000.000 | 20088.858  | 386605.92 | 0.1690 | P   | 0.5 |
| 8 | <input type="checkbox"/> |           |            | 97705.33  | 0.0456 | P   | 3.4 |

$$y = 6.1437E-006 * x + 0.0455$$

$$R = 0.9997$$

$$DL = 508.3$$

$$BEC = 7413$$

Weight: &lt;None&gt;

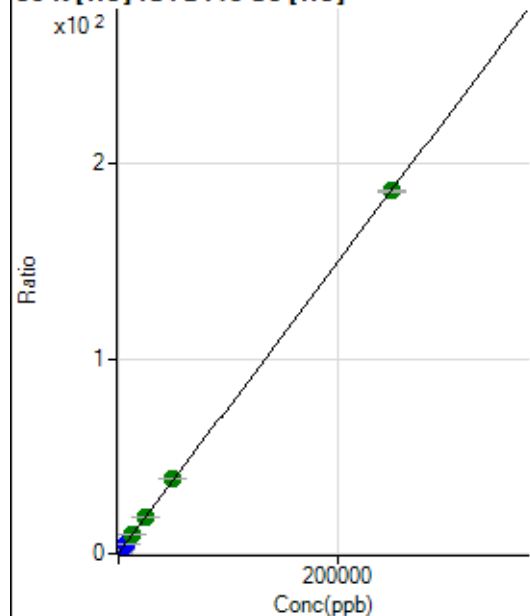
Min Conc: 0

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

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

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

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

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 32121.63    | 0.1536   | P        | 1.2 |
| 2 | <input type="checkbox"/> | 500.000   | 530.036    | 117594.10   | 0.5485   | P        | 3.3 |
| 3 | <input type="checkbox"/> | 2500.000  | 2753.437   | 460813.40   | 2.2049   | P        | 0.5 |
| 4 | <input type="checkbox"/> | 6250.000  | 6865.708   | 1051301.05  | 5.2686   | P        | 0.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 12917.023  | 1899077.37  | 9.7769   | A        | 0.9 |
| 6 | <input type="checkbox"/> | 25000.000 | 25450.940  | 3684249.08  | 19.1148  | A        | 0.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 51188.914  | 7201567.19  | 38.2899  | A        | 0.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 249678.28  | 32415132.85 | 186.1668 | A        | 0.6 |

$$y = 7.4501E-004 * x + 0.1536$$

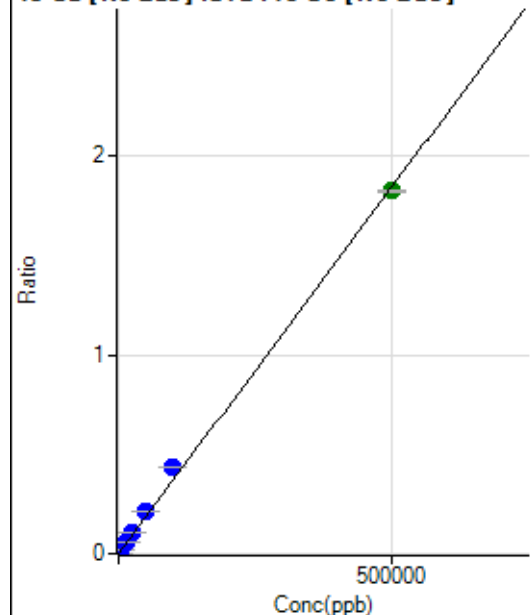
$$R = 1.0000$$

$$DL = 7.142$$

$$BEC = 206.1$$

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      | 98.89      | 0.0000 | P    | 17.2 |
| 2 | <input type="checkbox"/> | 500.000   | 544.173    | 5195.38    | 0.0020 | P    | 5.6  |
| 3 | <input type="checkbox"/> | 5000.000  | 6025.609   | 55764.12   | 0.0222 | P    | 1.9  |
| 4 | <input type="checkbox"/> | 12500.000 | 15316.573  | 132929.99  | 0.0564 | P    | 3.2  |
| 5 | <input type="checkbox"/> | 25000.000 | 29720.713  | 260178.83  | 0.1094 | P    | 1.3  |
| 6 | <input type="checkbox"/> | 50000.000 | 58557.279  | 504415.16  | 0.2156 | P    | 1.6  |
| 7 | <input type="checkbox"/> | 100000.00 | 117449.92  | 989178.77  | 0.4323 | P    | 0.6  |
| 8 | <input type="checkbox"/> | 500000.00 | 495337.53  | 3907909.32 | 1.8231 | A    | 0.4  |

$$y = 3.6805\text{E-}006 * x + 3.9901\text{E-}005$$

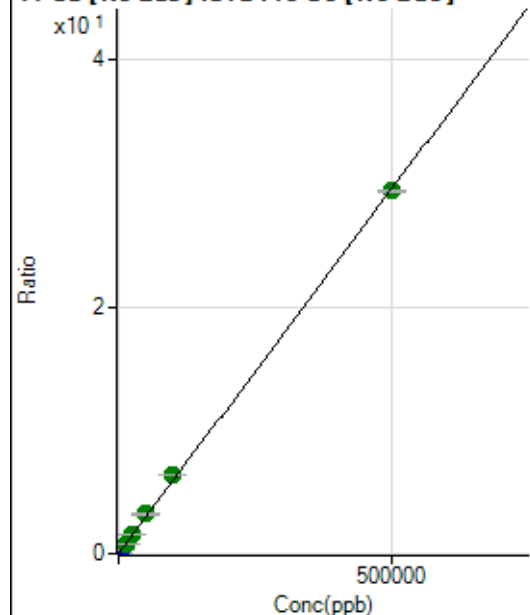
$$R = 0.9993$$

$$DL = 5.583$$

$$BEC = 10.84$$

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      | 7428.59     | 0.0030  | P    | 4.2 |
| 2 | <input type="checkbox"/> | 500.000   | 535.703    | 88162.87    | 0.0346  | P    | 3.2 |
| 3 | <input type="checkbox"/> | 5000.000  | 5757.730   | 861325.61   | 0.3431  | P    | 0.6 |
| 4 | <input type="checkbox"/> | 12500.000 | 14025.854  | 1959781.12  | 0.8316  | A    | 2.9 |
| 5 | <input type="checkbox"/> | 25000.000 | 26914.814  | 3788012.34  | 1.5930  | A    | 0.7 |
| 6 | <input type="checkbox"/> | 50000.000 | 54151.939  | 7493099.19  | 3.2021  | A    | 1.9 |
| 7 | <input type="checkbox"/> | 100000.00 | 108402.47  | 14660272.56 | 6.4071  | A    | 0.2 |
| 8 | <input type="checkbox"/> | 500000.00 | 497762.81  | 63040624.62 | 29.4094 | A    | 0.2 |

$$y = 5.9077\text{E-}005 * x + 0.0030$$

$$R = 0.9998$$

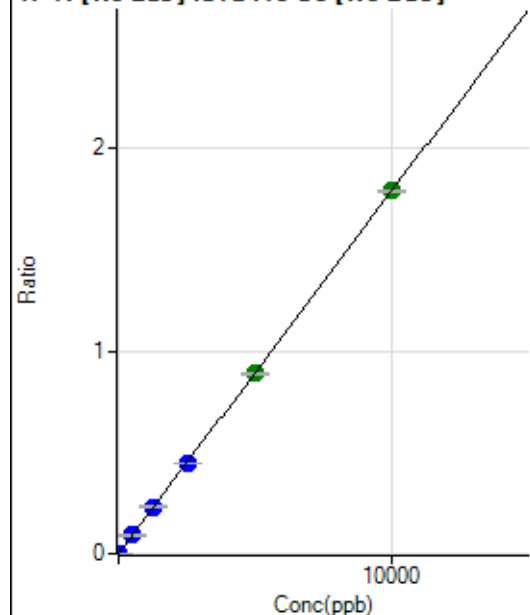
$$DL = 6.374$$

$$BEC = 50.73$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 58.89      | 0.0000 | P    | 34.4 |
| 2 | <input type="checkbox"/> | 5.000     | 5.028      | 2349.09    | 0.0009 | P    | 6.0  |
| 3 | <input type="checkbox"/> | 500.000   | 504.593    | 226766.58  | 0.0903 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1292.662   | 545278.34  | 0.2314 | P    | 3.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2482.005   | 1056407.01 | 0.4443 | P    | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 4975.739   | 2084419.74 | 0.8907 | A    | 1.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 10011.067  | 4100209.66 | 1.7920 | A    | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 713.36     | 0.0003 | P    | 1.1  |

$$y = 1.7900\text{E-}004 * x + 2.3776\text{E-}005$$

$$R = 1.0000$$

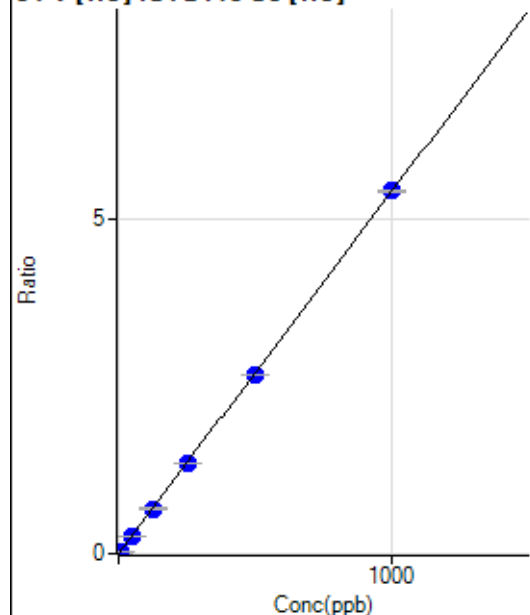
$$DL = 0.137$$

$$BEC = 0.1328$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5.55       | 0.0000 | P    | 69.4 |
| 2 | <input type="checkbox"/> | 5.000    | 4.883      | 5665.56    | 0.0264 | P    | 2.6  |
| 3 | <input type="checkbox"/> | 50.000   | 49.979     | 56451.74   | 0.2701 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 124.703    | 134472.37  | 0.6739 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 249.395    | 261787.45  | 1.3478 | P    | 0.2  |
| 6 | <input type="checkbox"/> | 500.000  | 494.775    | 515351.56  | 2.6738 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.802   | 1019231.85 | 5.4192 | P    | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 333.34     | 0.0019 | P    | 5.4  |

$$y = 0.0054 * x + 2.6553\text{E-}005$$

$$R = 1.0000$$

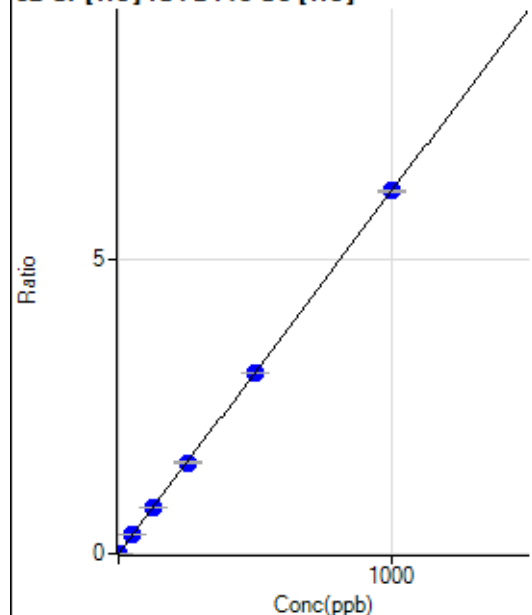
$$DL = 0.01023$$

$$BEC = 0.004914$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 580.02     | 0.0028 | P        | 4.6 |
| 2 | <input type="checkbox"/> | 2.000    | 2.157      | 3438.21    | 0.0160 | P        | 2.4 |
| 3 | <input type="checkbox"/> | 50.000   | 50.894     | 65951.02   | 0.3156 | P        | 0.8 |
| 4 | <input type="checkbox"/> | 125.000  | 128.491    | 158127.47  | 0.7925 | P        | 0.8 |
| 5 | <input type="checkbox"/> | 250.000  | 251.514    | 300796.81  | 1.5486 | P        | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 497.434    | 589804.46  | 3.0600 | P        | 0.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.423   | 1156944.64 | 6.1514 | P        | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 8502.46    | 0.0488 | P        | 3.8 |

$$y = 0.0061 * x + 0.0028$$

$$R = 1.0000$$

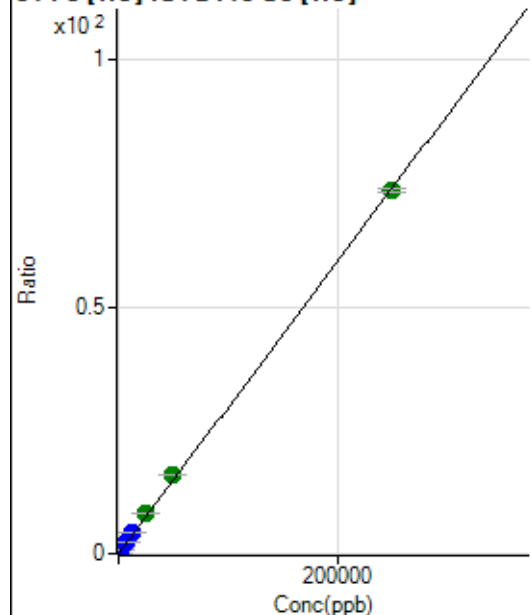
$$DL = 0.06247$$

$$BEC = 0.4512$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1156.73     | 0.0055  | P        | 7.0 |
| 2 | <input type="checkbox"/> | 50.000    | 55.167     | 4680.77     | 0.0218  | P        | 4.0 |
| 3 | <input type="checkbox"/> | 2500.000  | 2896.672   | 180066.65   | 0.8616  | P        | 0.8 |
| 4 | <input type="checkbox"/> | 6250.000  | 7249.357   | 428597.97   | 2.1480  | P        | 0.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 14439.117  | 829940.49   | 4.2728  | P        | 0.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 27183.459  | 1549488.88  | 8.0392  | A        | 0.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 54359.530  | 3022528.95  | 16.0706 | A        | 0.8 |
| 8 | <input type="checkbox"/> | 250000.00 | 248783.84  | 12802682.31 | 73.5297 | A        | 0.9 |

$$y = 2.9553E-004 * x + 0.0055$$

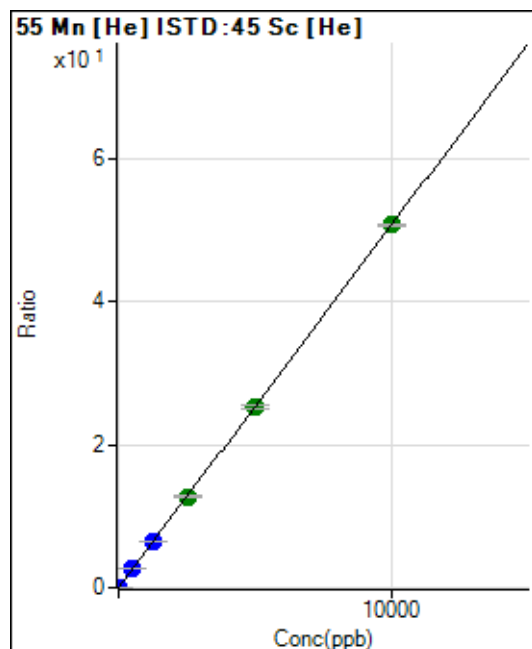
$$R = 0.9998$$

$$DL = 3.939$$

$$BEC = 18.71$$

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      | 138.89     | 0.0007  | P    | 9.1 |
| 2 | <input type="checkbox"/> | 1.000     | 1.029      | 1263.40    | 0.0059  | P    | 4.3 |
| 3 | <input type="checkbox"/> | 500.000   | 517.061    | 549233.25  | 2.6280  | P    | 0.5 |
| 4 | <input type="checkbox"/> | 1250.000  | 1282.847   | 1300791.13 | 6.5191  | P    | 0.6 |
| 5 | <input type="checkbox"/> | 2500.000  | 2515.659   | 2483006.04 | 12.7833 | A    | 0.2 |
| 6 | <input type="checkbox"/> | 5000.000  | 4983.696   | 4880867.91 | 25.3239 | A    | 1.2 |
| 7 | <input type="checkbox"/> | 10000.000 | 9999.278   | 9556113.54 | 50.8092 | A    | 0.4 |
| 8 | <input type="checkbox"/> |           |            | 4748.57    | 0.0273  | P    | 0.3 |

$$y = 0.0051 * x + 6.6404E-004$$

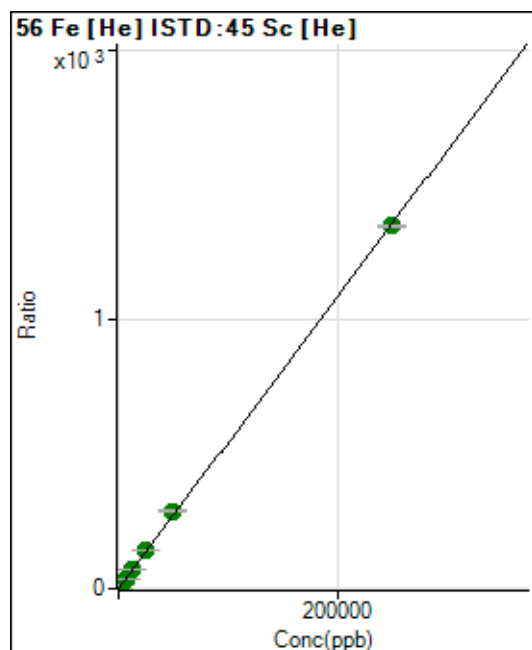
$$R = 1.0000$$

$$DL = 0.03567$$

$$BEC = 0.1307$$

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      | 9295.17     | 0.0444    | P    | 1.5 |
| 2 | <input type="checkbox"/> | 50.000    | 56.003     | 74515.34    | 0.3475    | P    | 2.3 |
| 3 | <input type="checkbox"/> | 2500.000  | 2734.594   | 3101863.67  | 14.8416   | A    | 0.4 |
| 4 | <input type="checkbox"/> | 6250.000  | 6825.850   | 7378802.53  | 36.9798   | A    | 0.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 13670.799  | 14377321.73 | 74.0184   | A    | 0.9 |
| 6 | <input type="checkbox"/> | 25000.000 | 26797.797  | 27957893.75 | 145.0499  | A    | 0.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 53391.349  | 54346439.19 | 288.9501  | A    | 0.6 |
| 8 | <input type="checkbox"/> | 250000.00 | 249066.66  | 234669947.6 | 1,347.767 | A    | 0.8 |

$$y = 0.0054 * x + 0.0444$$

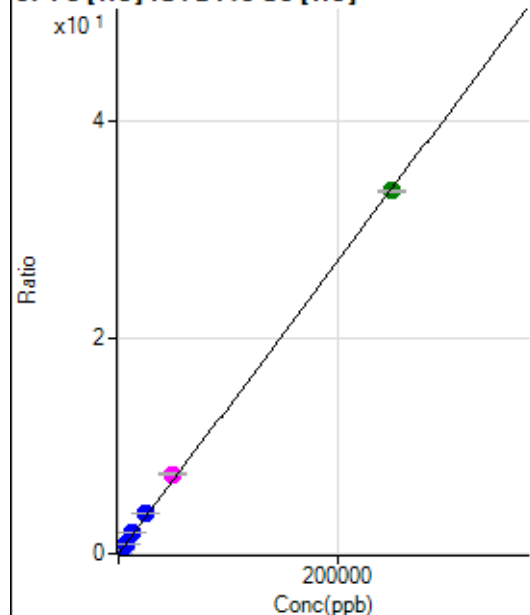
$$R = 0.9999$$

$$DL = 0.3731$$

$$BEC = 8.213$$

Weight: <None>

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 288.89     | 0.0014  | P    | 9.6 |
| 2 | <input type="checkbox"/> | 50.000    | 58.139     | 1975.71    | 0.0092  | P    | 8.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2825.208   | 79934.34   | 0.3825  | P    | 0.1 |
| 4 | <input type="checkbox"/> | 6250.000  | 7132.605   | 192247.06  | 0.9635  | P    | 0.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 14277.453  | 374346.02  | 1.9272  | P    | 0.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 27754.024  | 721834.07  | 3.7451  | P    | 0.5 |
| 7 | <input type="checkbox"/> | 50000.000 | 54287.148  | 1377554.84 | 7.3241  | M    | 1.7 |
| 8 | <input type="checkbox"/> | 250000.00 | 248752.97  | 5842453.32 | 33.5551 | A    | 0.9 |

$$y = 1.3489\text{E-}004 * x + 0.0014$$

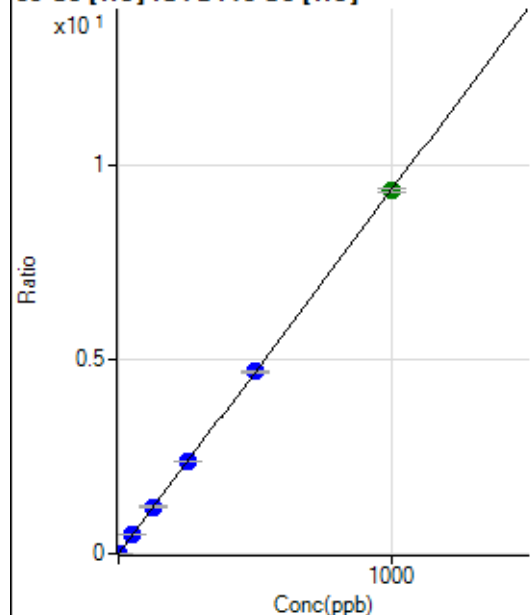
$$R = 0.9998$$

$$DL = 2.962$$

$$BEC = 10.24$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 23.33      | 0.0001 | P    | 28.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.997      | 2026.82    | 0.0094 | P    | 1.7  |
| 3 | <input type="checkbox"/> | 50.000   | 51.975     | 101726.02  | 0.4867 | P    | 0.3  |
| 4 | <input type="checkbox"/> | 125.000  | 129.149    | 241294.23  | 1.2093 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 255.327    | 464353.34  | 2.3906 | P    | 0.1  |
| 6 | <input type="checkbox"/> | 500.000  | 500.940    | 904002.64  | 4.6902 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.581    | 1756675.96 | 9.3401 | A    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 1944.59    | 0.0112 | P    | 6.4  |

$$y = 0.0094 * x + 1.1157\text{E-}004$$

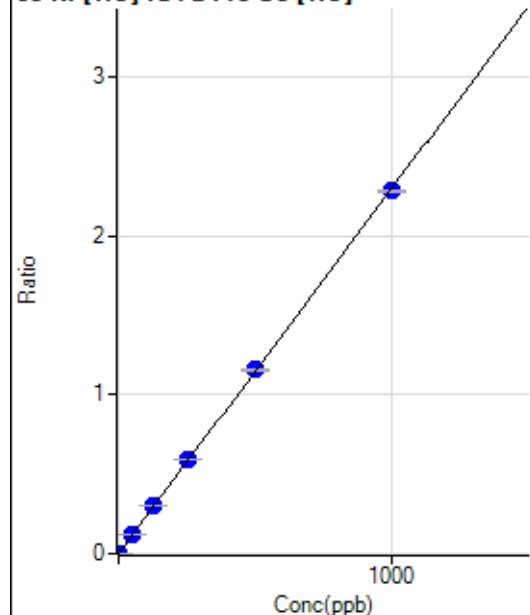
$$R = 1.0000$$

$$DL = 0.01024$$

$$BEC = 0.01192$$

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      | 121.11    | 0.0006 | P        | 6.8  |
| 2 | <input type="checkbox"/> | 1.000    | 1.276      | 750.03    | 0.0035 | P        | 17.8 |
| 3 | <input type="checkbox"/> | 50.000   | 52.672     | 25391.51  | 0.1215 | P        | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 130.311    | 59807.52  | 0.2997 | P        | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 259.770    | 115944.60 | 0.5969 | P        | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 504.591    | 223370.06 | 1.1589 | P        | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.464    | 429472.69 | 2.2835 | P        | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 1458.97   | 0.0084 | P        | 3.7  |

$$y = 0.0023 * x + 5.7900E-004$$

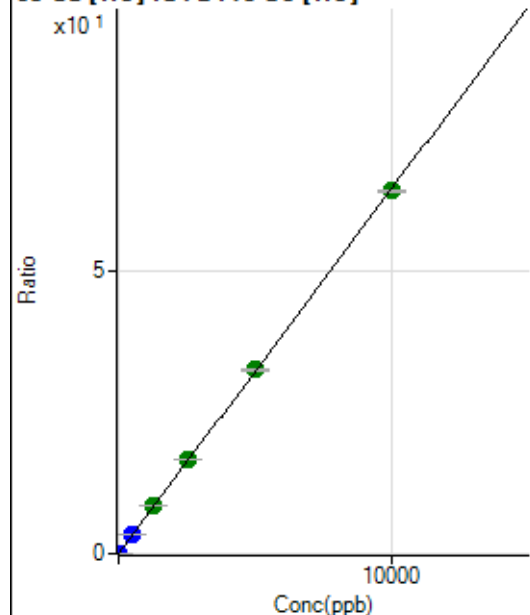
$$R = 0.9999$$

$$DL = 0.05157$$

$$BEC = 0.2522$$

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      | 505.57      | 0.0024  | P        | 14.0 |
| 2 | <input type="checkbox"/> | 2.000     | 2.106      | 3430.42     | 0.0160  | P        | 5.4  |
| 3 | <input type="checkbox"/> | 500.000   | 524.007    | 707060.91   | 3.3831  | P        | 0.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1316.706   | 1695508.48  | 8.4974  | A        | 1.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2585.276   | 3240265.72  | 16.6818 | A        | 0.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 5044.370   | 6273220.81  | 32.5471 | A        | 0.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 9946.957   | 12070260.79 | 64.1771 | A        | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 2187.96     | 0.0126  | P        | 2.4  |

$$y = 0.0065 * x + 0.0024$$

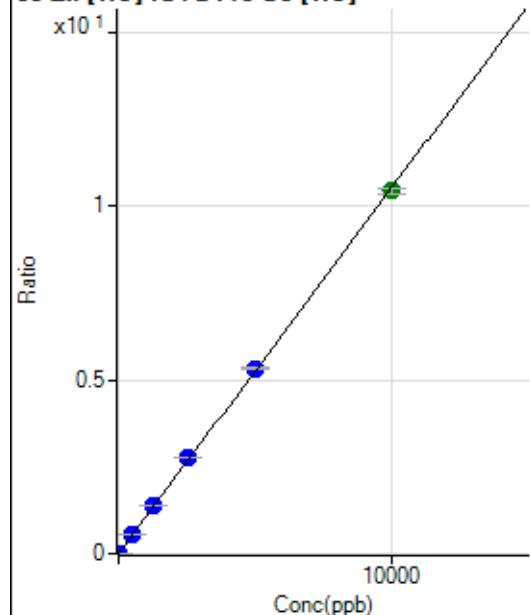
$$R = 0.9999$$

$$DL = 0.157$$

$$BEC = 0.3747$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD |
|---|--------------------------|-----------|------------|------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 107.78     | 0.0005  | P        | 1.6 |
| 2 | <input type="checkbox"/> | 2.000     | 2.147      | 595.57     | 0.0028  | P        | 5.1 |
| 3 | <input type="checkbox"/> | 500.000   | 527.685    | 116200.59  | 0.5560  | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1250.000  | 1322.744   | 277944.83  | 1.3929  | P        | 0.4 |
| 5 | <input type="checkbox"/> | 2500.000  | 2626.864   | 537217.15  | 2.7658  | P        | 0.2 |
| 6 | <input type="checkbox"/> | 5000.000  | 5068.266   | 1028418.34 | 5.3358  | P        | 0.7 |
| 7 | <input type="checkbox"/> | 10000.000 | 9923.674   | 1964826.93 | 10.4470 | A        | 1.8 |
| 8 | <input type="checkbox"/> |           |            | 9053.93    | 0.0520  | P        | 1.5 |

$$y = 0.0011 * x + 5.1528E-004$$

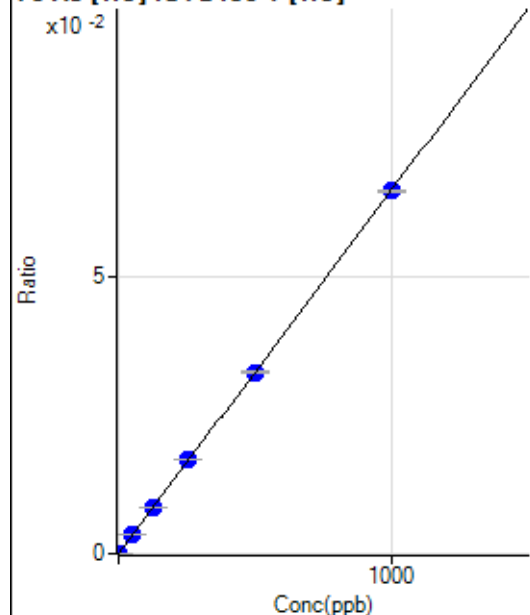
$$R = 0.9999$$

$$DL = 0.02422$$

$$BEC = 0.4895$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4.44      | 0.0000 | P        | 173. |
| 2 | <input type="checkbox"/> | 1.000    | 1.083      | 172.23    | 0.0001 | P        | 13.6 |
| 3 | <input type="checkbox"/> | 50.000   | 51.795     | 7759.86   | 0.0034 | P        | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 128.648    | 18616.20  | 0.0084 | P        | 0.2  |
| 5 | <input type="checkbox"/> | 250.000  | 257.996    | 36403.43  | 0.0169 | P        | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 499.095    | 70519.57  | 0.0328 | P        | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.908    | 138426.89 | 0.0655 | P        | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 43.33     | 0.0000 | P        | 15.6 |

$$y = 6.5649E-005 * x + 1.9630E-006$$

$$R = 1.0000$$

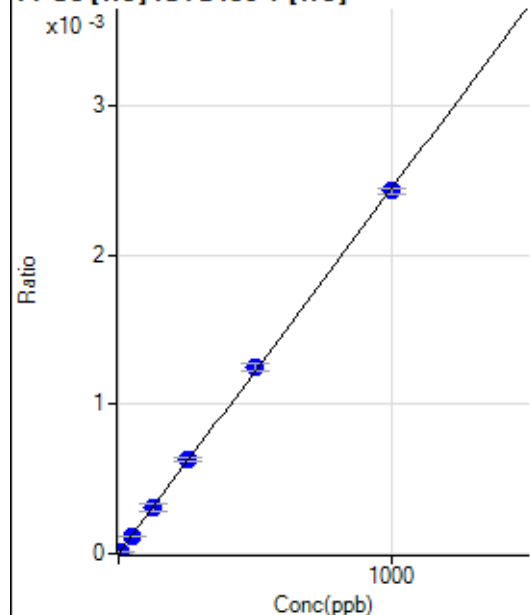
$$DL = 0.1554$$

$$BEC = 0.0299$$

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      | 3.33    | 0.0000 | P    | 173. |
| 2 | <input type="checkbox"/> | 5.000    | 4.442      | 28.89   | 0.0000 | P    | 34.7 |
| 3 | <input type="checkbox"/> | 50.000   | 46.859     | 264.45  | 0.0001 | P    | 8.2  |
| 4 | <input type="checkbox"/> | 125.000  | 125.972    | 681.14  | 0.0003 | P    | 16.8 |
| 5 | <input type="checkbox"/> | 250.000  | 256.465    | 1350.07 | 0.0006 | P    | 3.7  |
| 6 | <input type="checkbox"/> | 500.000  | 508.793    | 2679.16 | 0.0012 | P    | 4.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.026    | 5135.38 | 0.0024 | P    | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 0.00    | 0.0000 | P    |      |

$$y = 2.4434\text{E-}006 * x + 1.4448\text{E-}006$$

$$R = 0.9999$$

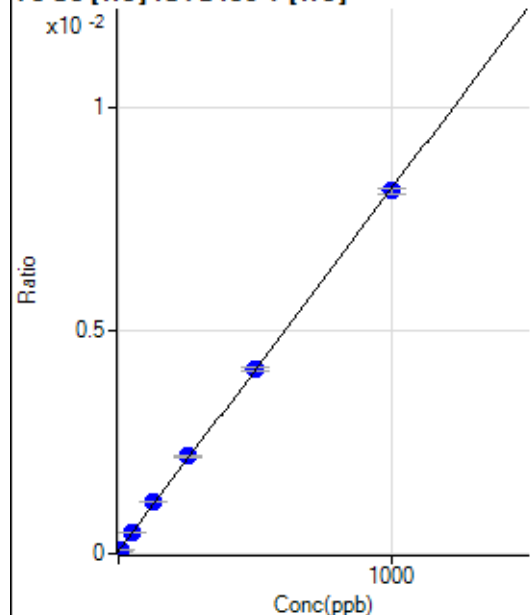
$$DL = 3.073$$

$$BEC = 0.5913$$

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      | 140.00   | 0.0001 | P    | 22.2 |
| 2 | <input type="checkbox"/> | 5.000    | 4.457      | 228.89   | 0.0001 | P    | 17.0 |
| 3 | <input type="checkbox"/> | 50.000   | 51.153     | 1085.61  | 0.0005 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 136.003    | 2565.80  | 0.0012 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 261.366    | 4687.44  | 0.0022 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 503.788    | 8927.20  | 0.0041 | P    | 2.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.834    | 17164.47 | 0.0081 | P    | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 125.56   | 0.0001 | P    | 15.1 |

$$y = 8.1120\text{E-}006 * x + 6.1035\text{E-}005$$

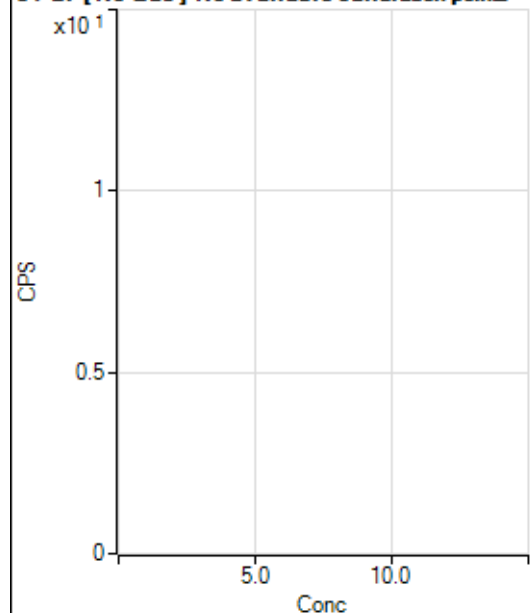
$$R = 0.9999$$

$$DL = 5.018$$

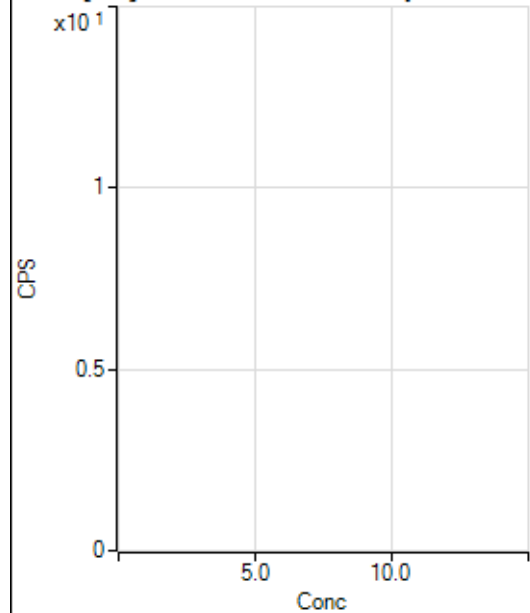
$$BEC = 7.524$$

Weight: &lt;None&gt;

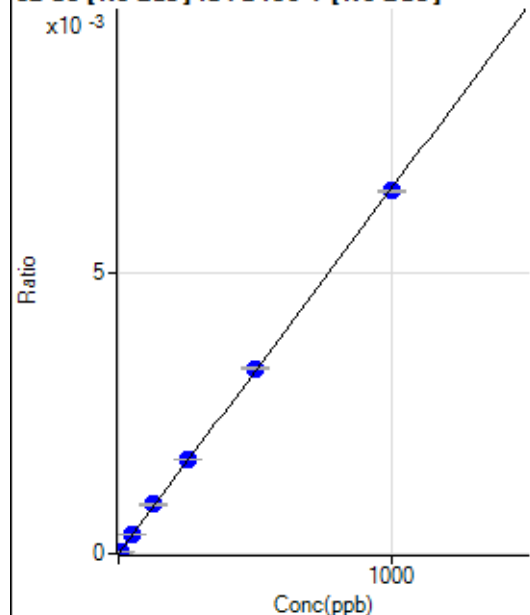
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 34101.71 |       | P        | 1.2 |
| 2 | <input type="checkbox"/> |       |            | 34512.55 |       | P        | 1.7 |
| 3 | <input type="checkbox"/> |       |            | 33369.88 |       | P        | 1.7 |
| 4 | <input type="checkbox"/> |       |            | 32736.36 |       | P        | 2.2 |
| 5 | <input type="checkbox"/> |       |            | 31650.67 |       | P        | 1.8 |
| 6 | <input type="checkbox"/> |       |            | 30276.71 |       | P        | 1.5 |
| 7 | <input type="checkbox"/> |       |            | 30246.56 |       | P        | 1.4 |
| 8 | <input type="checkbox"/> |       |            | 28867.15 |       | P        | 1.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 46.67 |       | P        | 12.4 |
| 2 | <input type="checkbox"/> |       |            | 50.00 |       | P        | 24.0 |
| 3 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 13.1 |
| 4 | <input type="checkbox"/> |       |            | 44.45 |       | P        | 24.1 |
| 5 | <input type="checkbox"/> |       |            | 47.78 |       | P        | 4.0  |
| 6 | <input type="checkbox"/> |       |            | 32.22 |       | P        | 43.1 |
| 7 | <input type="checkbox"/> |       |            | 45.56 |       | P        | 11.2 |
| 8 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 50.2 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.72     | 0.0000 | P   | 169. |
| 2 | <input type="checkbox"/> | 5.000    | 5.126      | 314.82   | 0.0000 | P   | 3.9  |
| 3 | <input type="checkbox"/> | 50.000   | 53.192     | 3135.99  | 0.0003 | P   | 3.0  |
| 4 | <input type="checkbox"/> | 125.000  | 134.954    | 7496.17  | 0.0009 | P   | 3.7  |
| 5 | <input type="checkbox"/> | 250.000  | 259.075    | 14469.51 | 0.0017 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 500.000  | 506.090    | 27944.85 | 0.0033 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.282    | 54234.98 | 0.0064 | P   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 135.85   | 0.0000 | P   | 24.0 |

$$y = 6.4830E-006 * x + 9.8517E-007$$

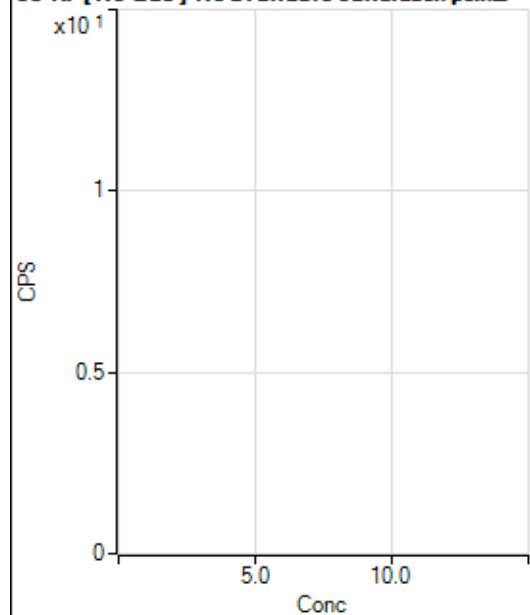
$$R = 0.9999$$

$$DL = 0.7745$$

$$BEC = 0.152$$

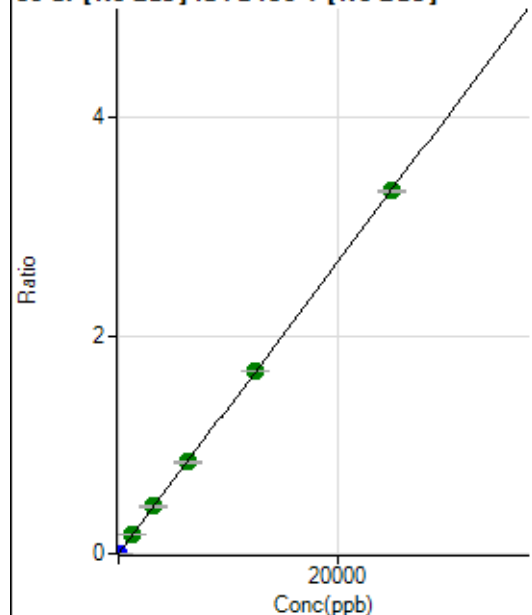
Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS   | Ratio | Det | RSD  |
|---|--------------------------|-------|------------|-------|-------|-----|------|
| 1 | <input type="checkbox"/> |       |            | 60.00 |       | P   | 16.7 |
| 2 | <input type="checkbox"/> |       |            | 55.55 |       | P   | 12.5 |
| 3 | <input type="checkbox"/> |       |            | 57.78 |       | P   | 37.5 |
| 4 | <input type="checkbox"/> |       |            | 44.44 |       | P   | 53.2 |
| 5 | <input type="checkbox"/> |       |            | 57.78 |       | P   | 37.1 |
| 6 | <input type="checkbox"/> |       |            | 58.89 |       | P   | 18.2 |
| 7 | <input type="checkbox"/> |       |            | 58.89 |       | P   | 25.5 |
| 8 | <input type="checkbox"/> |       |            | 63.33 |       | P   | 55.5 |

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 135.56      | 0.0000 | P    | 4.9 |
| 2 | <input type="checkbox"/> | 1.000     | 0.925      | 1275.63     | 0.0001 | P    | 5.8 |
| 3 | <input type="checkbox"/> | 1250.000  | 1262.581   | 1528765.92  | 0.1686 | A    | 0.5 |
| 4 | <input type="checkbox"/> | 3125.000  | 3253.455   | 3718010.92  | 0.4344 | A    | 3.4 |
| 5 | <input type="checkbox"/> | 6250.000  | 6292.212   | 7233519.61  | 0.8401 | A    | 0.4 |
| 6 | <input type="checkbox"/> | 12500.000 | 12547.610  | 14265051.73 | 1.6753 | A    | 0.6 |
| 7 | <input type="checkbox"/> | 25000.000 | 24948.956  | 28052015.42 | 3.3312 | A    | 0.7 |
| 8 | <input type="checkbox"/> |           |            | 7607.73     | 0.0010 | P    | 6.9 |

$$y = 1.3352\text{E-}004 * x + 1.5137\text{E-}005$$

$$R = 1.0000$$

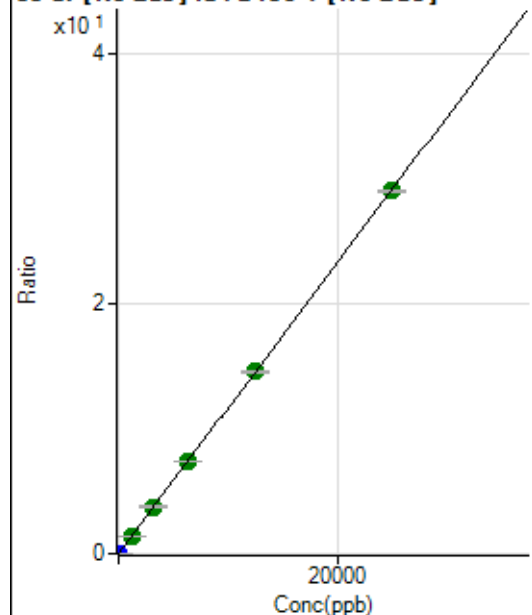
$$DL = 0.01679$$

$$BEC = 0.1134$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 193.34      | 0.0000  | P    | 20.2 |
| 2 | <input type="checkbox"/> | 1.000     | 0.976      | 10646.16    | 0.0012  | P    | 2.8  |
| 3 | <input type="checkbox"/> | 1250.000  | 1253.187   | 13226751.89 | 1.4587  | A    | 0.4  |
| 4 | <input type="checkbox"/> | 3125.000  | 3239.101   | 32267249.80 | 3.7701  | A    | 3.3  |
| 5 | <input type="checkbox"/> | 6250.000  | 6314.649   | 63281703.50 | 7.3499  | A    | 0.8  |
| 6 | <input type="checkbox"/> | 12500.000 | 12518.180  | 124062228.1 | 14.5704 | A    | 0.6  |
| 7 | <input type="checkbox"/> | 25000.000 | 24960.326  | 244653258.5 | 29.0523 | A    | 0.6  |
| 8 | <input type="checkbox"/> |           |            | 65787.41    | 0.0085  | P    | 1.7  |

$$y = 0.0012 * x + 2.1622\text{E-}005$$

$$R = 1.0000$$

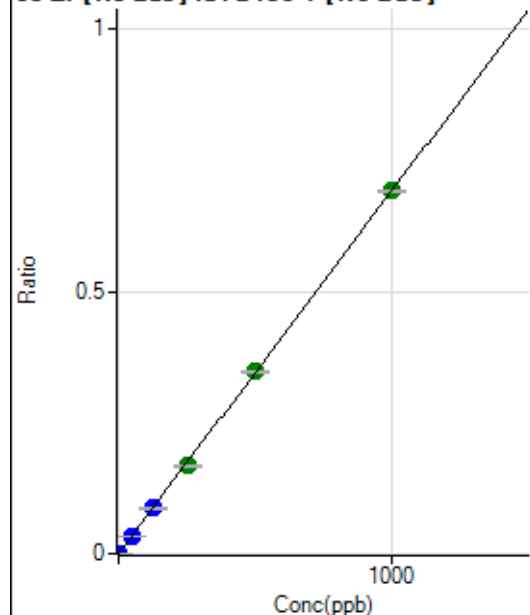
$$DL = 0.01123$$

$$BEC = 0.01858$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 283.34     | 0.0000 | P    | 9.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.877      | 5867.90    | 0.0006 | P    | 8.2 |
| 3 | <input type="checkbox"/> | 50.000   | 49.685     | 311832.22  | 0.0344 | P    | 0.1 |
| 4 | <input type="checkbox"/> | 125.000  | 125.796    | 744819.12  | 0.0870 | P    | 3.1 |
| 5 | <input type="checkbox"/> | 250.000  | 242.084    | 1441590.43 | 0.1674 | A    | 1.0 |
| 6 | <input type="checkbox"/> | 500.000  | 501.841    | 2955167.60 | 0.3471 | A    | 1.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.975   | 5829256.93 | 0.6922 | A    | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 1401.19    | 0.0002 | P    | 7.0 |

$$y = 6.9151\text{E-}004 * x + 3.1643\text{E-}005$$

$$R = 1.0000$$

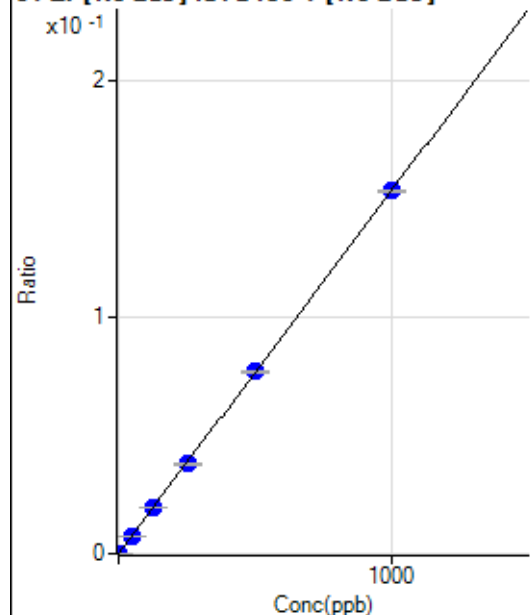
$$DL = 0.01347$$

$$BEC = 0.04576$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 42.22      | 0.0000 | P    | 11.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.875      | 1280.07    | 0.0001 | P    | 4.8  |
| 3 | <input type="checkbox"/> | 50.000   | 49.924     | 69580.47   | 0.0077 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 126.742    | 166676.23  | 0.0195 | P    | 3.2  |
| 5 | <input type="checkbox"/> | 250.000  | 246.579    | 326166.48  | 0.0379 | P    | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 502.004    | 656650.68  | 0.0771 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.640    | 1293175.64 | 0.1536 | P    | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 304.45     | 0.0000 | P    | 9.6  |

$$y = 1.5362\text{E-}004 * x + 4.7143\text{E-}006$$

$$R = 1.0000$$

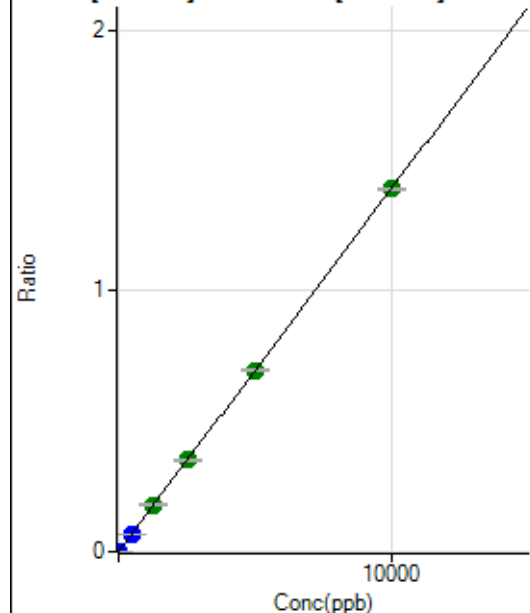
$$DL = 0.01066$$

$$BEC = 0.03069$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 91.11       | 0.0000 | P        | 18.0 |
| 2 | <input type="checkbox"/> | 5.000     | 5.561      | 7210.73     | 0.0008 | P        | 4.3  |
| 3 | <input type="checkbox"/> | 500.000   | 500.562    | 631628.05   | 0.0697 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1292.018   | 1538324.78  | 0.1798 | A        | 4.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2521.536   | 3020870.41  | 0.3509 | A        | 0.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 4995.647   | 5918576.37  | 0.6951 | A        | 1.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 9991.512   | 11707164.41 | 1.3902 | A        | 0.5  |
| 8 | <input type="checkbox"/> |           |            | 2786.96     | 0.0004 | P        | 9.5  |

$$y = 1.3914\text{E-}004 * x + 1.0186\text{E-}005$$

$$R = 1.0000$$

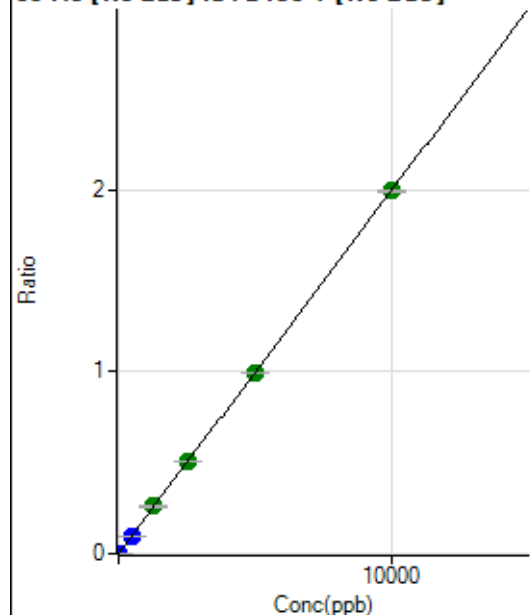
$$DL = 0.03946$$

$$BEC = 0.07321$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 36.67       | 0.0000 | P        | 18.7 |
| 2 | <input type="checkbox"/> | 5.000     | 4.828      | 8893.89     | 0.0010 | P        | 4.5  |
| 3 | <input type="checkbox"/> | 500.000   | 501.237    | 906326.87   | 0.1000 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1310.942   | 2237470.85  | 0.2614 | A        | 3.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2546.218   | 4371529.80  | 0.5077 | A        | 0.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 4979.188   | 8454136.68  | 0.9929 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 9991.172   | 16777519.61 | 1.9923 | A        | 0.7  |
| 8 | <input type="checkbox"/> |           |            | 3123.70     | 0.0004 | P        | 7.4  |

$$y = 1.9941\text{E-}004 * x + 4.0978\text{E-}006$$

$$R = 1.0000$$

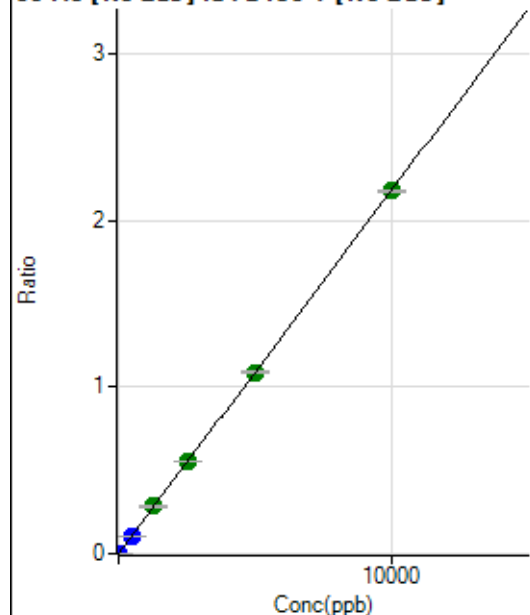
$$DL = 0.01153$$

$$BEC = 0.02055$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 63.33       | 0.0000 | P        | 14.2 |
| 2 | <input type="checkbox"/> | 5.000     | 4.794      | 9692.18     | 0.0011 | P        | 4.7  |
| 3 | <input type="checkbox"/> | 500.000   | 500.516    | 990817.94   | 0.1093 | P        | 0.6  |
| 4 | <input type="checkbox"/> | 1250.000  | 1308.814   | 2445125.36  | 0.2857 | A        | 4.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2539.599   | 4773397.29  | 0.5544 | A        | 0.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 4995.458   | 9285586.67  | 1.0905 | A        | 0.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 9984.994   | 18355771.53 | 2.1798 | A        | 0.5  |
| 8 | <input type="checkbox"/> |           |            | 11594.71    | 0.0015 | P        | 2.7  |

$$y = 2.1830\text{E-}004 * x + 7.0762\text{E-}006$$

$$R = 1.0000$$

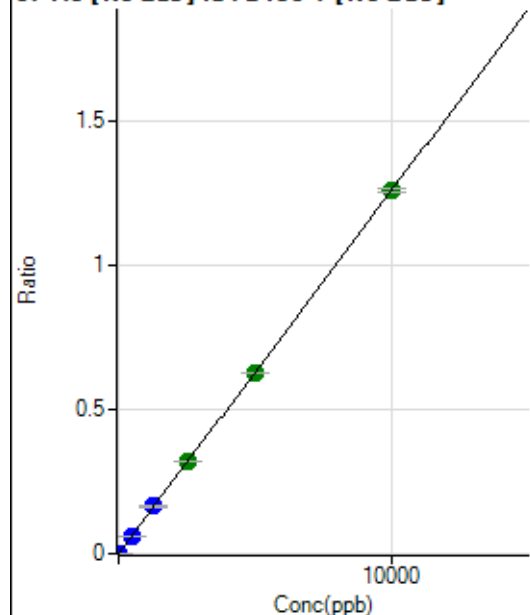
$$DL = 0.01379$$

$$BEC = 0.03241$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 12.22       | 0.0000 | P        | 55.8 |
| 2 | <input type="checkbox"/> | 5.000     | 4.846      | 5626.68     | 0.0006 | P        | 0.9  |
| 3 | <input type="checkbox"/> | 500.000   | 501.366    | 572207.46   | 0.0631 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1301.727   | 1402345.00  | 0.1638 | P        | 3.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2536.960   | 2749223.33  | 0.3193 | A        | 0.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 4983.806   | 5341104.78  | 0.6273 | A        | 0.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 9992.323   | 10590674.29 | 1.2577 | A        | 1.1  |
| 8 | <input type="checkbox"/> |           |            | 2099.07     | 0.0003 | P        | 2.9  |

$$y = 1.2586\text{E-}004 * x + 1.3604\text{E-}006$$

$$R = 1.0000$$

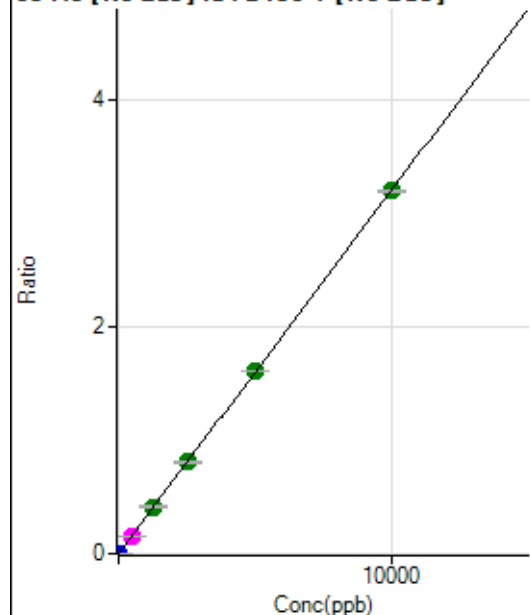
$$DL = 0.0181$$

$$BEC = 0.01081$$

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      | 34.44       | 0.0000 | P    | 14.0 |
| 2 | <input type="checkbox"/> | 5.000     | 4.722      | 13970.13    | 0.0015 | P    | 2.3  |
| 3 | <input type="checkbox"/> | 500.000   | 501.138    | 1457365.02  | 0.1607 | M    | 0.4  |
| 4 | <input type="checkbox"/> | 1250.000  | 1295.602   | 3556575.02  | 0.4155 | A    | 3.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2520.660   | 6959886.63  | 0.8084 | A    | 1.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 5007.752   | 13674336.88 | 1.6060 | A    | 0.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 9985.202   | 26965794.32 | 3.2022 | A    | 0.4  |
| 8 | <input type="checkbox"/> |           |            | 4864.19     | 0.0006 | P    | 6.8  |

$$y = 3.2070\text{E-}004 * x + 3.8447\text{E-}006$$

$$R = 1.0000$$

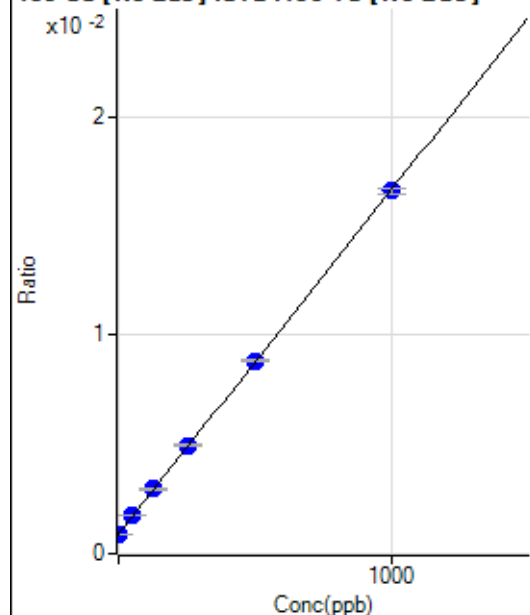
$$DL = 0.005046$$

$$BEC = 0.01199$$

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      | 5577.80  | 0.0009 | P    | 1.4 |
| 2 | <input type="checkbox"/> | 1.000    | -1.016     | 5591.13  | 0.0009 | P    | 0.8 |
| 3 | <input type="checkbox"/> | 50.000   | 52.881     | 10886.37 | 0.0017 | P    | 1.0 |
| 4 | <input type="checkbox"/> | 125.000  | 129.804    | 17707.54 | 0.0030 | P    | 1.8 |
| 5 | <input type="checkbox"/> | 250.000  | 257.375    | 30239.27 | 0.0050 | P    | 0.7 |
| 6 | <input type="checkbox"/> | 500.000  | 502.134    | 53618.38 | 0.0088 | P    | 0.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 996.347    | 99014.23 | 0.0166 | P    | 1.8 |
| 8 | <input type="checkbox"/> |          |            | 4541.87  | 0.0008 | P    | 3.0 |

$$y = 1.5763\text{E-}005 * x + 9.0856\text{E-}004$$

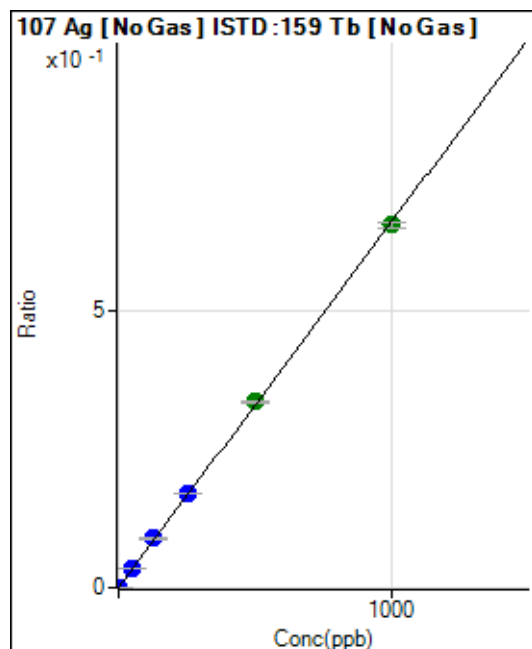
$$R = 1.0000$$

$$DL = 2.394$$

$$BEC = 57.64$$

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      | 67.78      | 0.0000 | P    | 6.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.076      | 4509.63    | 0.0007 | P    | 7.2 |
| 3 | <input type="checkbox"/> | 50.000   | 54.159     | 223340.18  | 0.0357 | P    | 1.7 |
| 4 | <input type="checkbox"/> | 125.000  | 136.061    | 537813.78  | 0.0898 | P    | 3.6 |
| 5 | <input type="checkbox"/> | 250.000  | 258.299    | 1037851.98 | 0.1704 | P    | 0.1 |
| 6 | <input type="checkbox"/> | 500.000  | 508.457    | 2038491.72 | 0.3355 | A    | 0.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 992.106    | 3900904.11 | 0.6546 | A    | 1.7 |
| 8 | <input type="checkbox"/> |          |            | 1830.13    | 0.0003 | P    | 4.1 |

$$y = 6.5977\text{E-}004 * x + 1.1036\text{E-}005$$

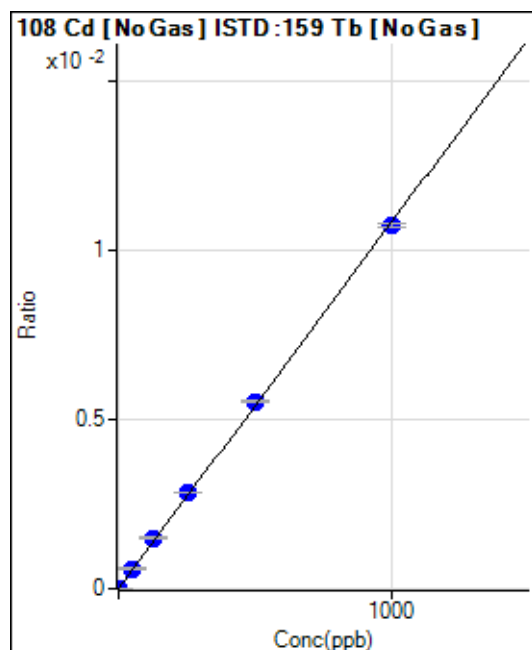
$$R = 0.9999$$

$$DL = 0.003382$$

$$BEC = 0.01673$$

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      | 10.00    | 0.0000 | P    | 32.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.043      | 81.11    | 0.0000 | P    | 29.1 |
| 3 | <input type="checkbox"/> | 50.000   | 54.880     | 3723.84  | 0.0006 | P    | 3.3  |
| 4 | <input type="checkbox"/> | 125.000  | 137.962    | 8958.40  | 0.0015 | P    | 5.4  |
| 5 | <input type="checkbox"/> | 250.000  | 261.430    | 17253.68 | 0.0028 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 510.264    | 33593.33 | 0.0055 | P    | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.146    | 63925.39 | 0.0107 | P    | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 35.56    | 0.0000 | P    | 32.3 |

$$y = 1.0831\text{E-}005 * x + 1.6257\text{E-}006$$

$$R = 0.9998$$

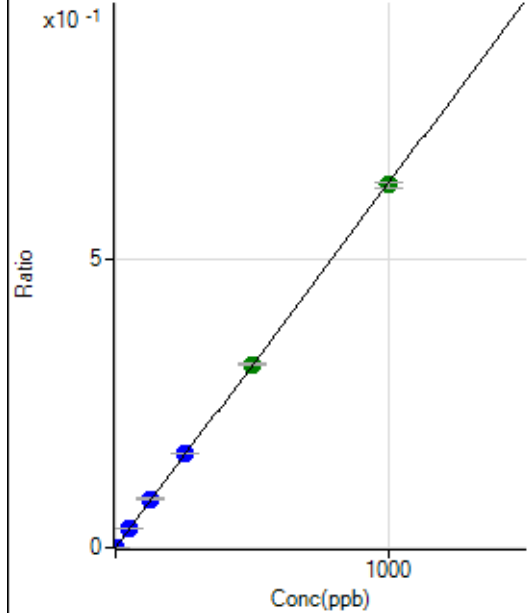
$$DL = 0.1466$$

$$BEC = 0.1501$$

Weight: <None>

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 20.00      | 0.0000 | P   | 43.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.046      | 4152.86    | 0.0007 | P   | 3.7  |
| 3 | <input type="checkbox"/> | 50.000   | 53.832     | 212388.76  | 0.0340 | P   | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 134.362    | 508054.83  | 0.0848 | P   | 4.7  |
| 5 | <input type="checkbox"/> | 250.000  | 256.637    | 986714.54  | 0.1620 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 500.000  | 503.528    | 1931779.14 | 0.3179 | A   | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.215    | 3744645.40 | 0.6283 | A   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 1650.11    | 0.0003 | P   | 1.0  |

$$y = 6.3135E-004 * x + 3.2509E-006$$

$$R = 0.9999$$

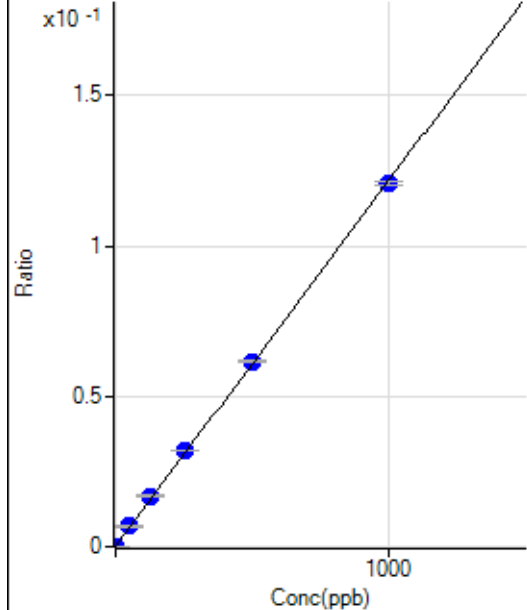
$$DL = 0.006706$$

$$BEC = 0.005149$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 558.56    | 0.0001 | P   | 1.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.107      | 1411.27   | 0.0002 | P   | 3.8 |
| 3 | <input type="checkbox"/> | 50.000   | 54.511     | 41982.61  | 0.0067 | P   | 1.3 |
| 4 | <input type="checkbox"/> | 125.000  | 136.632    | 100024.55 | 0.0167 | P   | 4.3 |
| 5 | <input type="checkbox"/> | 250.000  | 263.930    | 195925.04 | 0.0322 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 505.913    | 374231.01 | 0.0616 | P   | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 991.881    | 719103.92 | 0.1207 | P   | 1.2 |
| 8 | <input type="checkbox"/> |          |            | 684.86    | 0.0001 | P   | 3.7 |

$$y = 1.2156E-004 * x + 9.0984E-005$$

$$R = 0.9998$$

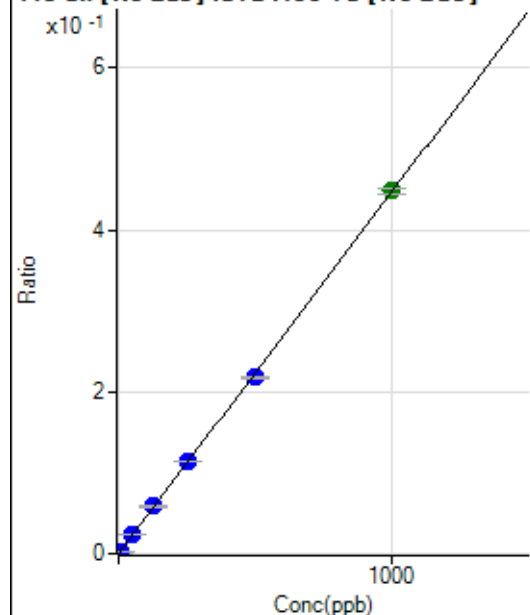
$$DL = 0.04255$$

$$BEC = 0.7485$$

Weight: &lt;None&gt;

Min Conc: 0

118 Sn [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      | 484.46     | 0.0001 | P    | 9.8 |
| 2 | <input type="checkbox"/> | 5.000    | 4.965      | 14361.68   | 0.0023 | P    | 4.9 |
| 3 | <input type="checkbox"/> | 50.000   | 51.459     | 144069.26  | 0.0231 | P    | 1.3 |
| 4 | <input type="checkbox"/> | 125.000  | 131.584    | 352431.43  | 0.0588 | P    | 3.5 |
| 5 | <input type="checkbox"/> | 250.000  | 253.884    | 690806.47  | 0.1134 | P    | 0.3 |
| 6 | <input type="checkbox"/> | 500.000  | 488.574    | 1326052.14 | 0.2182 | P    | 1.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.846   | 2671681.45 | 0.4483 | A    | 1.9 |
| 8 | <input type="checkbox"/> |          |            | 1642.34    | 0.0003 | P    | 8.2 |

$$y = 4.4651\text{E-}004 * x + 7.8921\text{E-}005$$

$$R = 0.9999$$

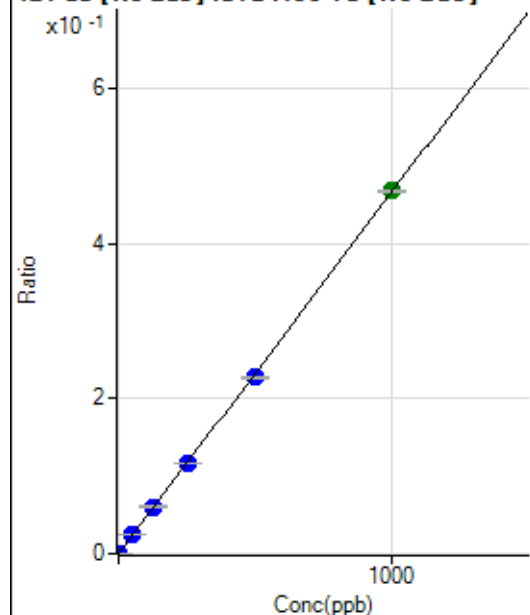
$$DL = 0.052$$

$$BEC = 0.1768$$

Weight: &lt;None&gt;

Min Conc: 0

121 Sb [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      | 14.44      | 0.0000 | P    | 34.5 |
| 2 | <input type="checkbox"/> | 2.000    | 1.999      | 5849.02    | 0.0009 | P    | 4.4  |
| 3 | <input type="checkbox"/> | 50.000   | 50.907     | 148390.56  | 0.0237 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 129.340    | 361378.67  | 0.0603 | P    | 3.8  |
| 5 | <input type="checkbox"/> | 250.000  | 249.900    | 709824.03  | 0.1166 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 489.741    | 1388031.15 | 0.2284 | P    | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1004.567   | 2792609.89 | 0.4686 | A    | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 1574.55    | 0.0003 | P    | 5.3  |

$$y = 4.6643\text{E-}004 * x + 2.3483\text{E-}006$$

$$R = 0.9999$$

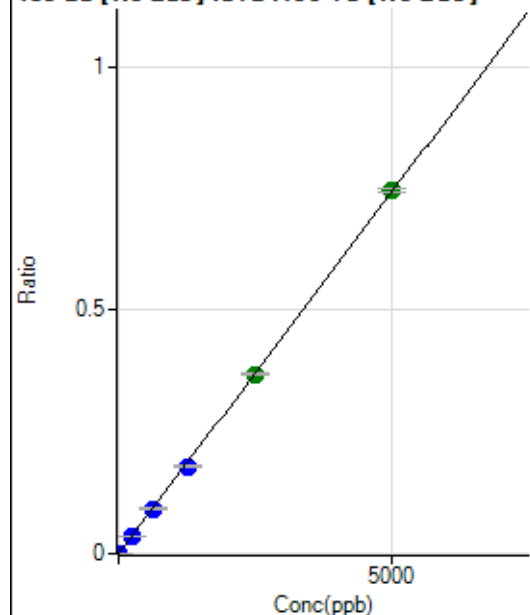
$$DL = 0.005215$$

$$BEC = 0.005035$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.67       | 0.0000 | P        | 49.9 |
| 2 | <input type="checkbox"/> | 10.000   | 9.447      | 8771.67    | 0.0014 | P        | 5.2  |
| 3 | <input type="checkbox"/> | 250.000  | 245.505    | 227534.97  | 0.0364 | P        | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 624.665    | 554952.16  | 0.0926 | P        | 4.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1210.422   | 1093239.30 | 0.1795 | P        | 0.1  |
| 6 | <input type="checkbox"/> | 2500.000 | 2479.841   | 2234885.82 | 0.3678 | A        | 0.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 5020.241   | 4437581.32 | 0.7446 | A        | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 2530.25    | 0.0005 | P        | 0.9  |

$$y = 1.4832\text{E-}004 * x + 1.0864\text{E-}006$$

$$R = 1.0000$$

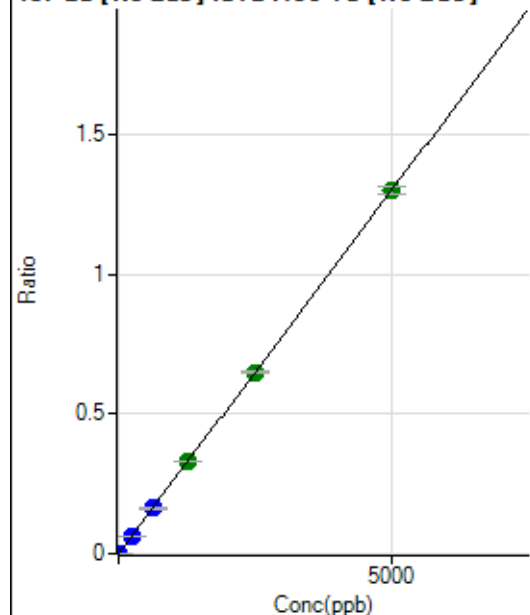
$$DL = 0.01096$$

$$BEC = 0.007325$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 21.11      | 0.0000 | P        | 72.0 |
| 2 | <input type="checkbox"/> | 10.000   | 9.611      | 15630.91   | 0.0025 | P        | 6.1  |
| 3 | <input type="checkbox"/> | 250.000  | 245.087    | 397682.83  | 0.0636 | P        | 1.8  |
| 4 | <input type="checkbox"/> | 625.000  | 627.493    | 976122.91  | 0.1629 | P        | 3.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1265.912   | 2001820.21 | 0.3287 | A        | 0.2  |
| 6 | <input type="checkbox"/> | 2500.000 | 2498.591   | 3942409.45 | 0.6488 | A        | 1.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 4996.661   | 7732137.11 | 1.2975 | A        | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 4625.24    | 0.0008 | P        | 2.0  |

$$y = 2.5967\text{E-}004 * x + 3.4536\text{E-}006$$

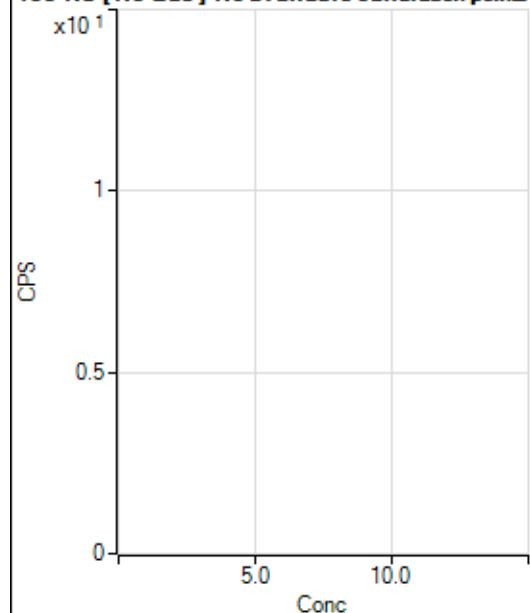
$$R = 1.0000$$

$$DL = 0.02872$$

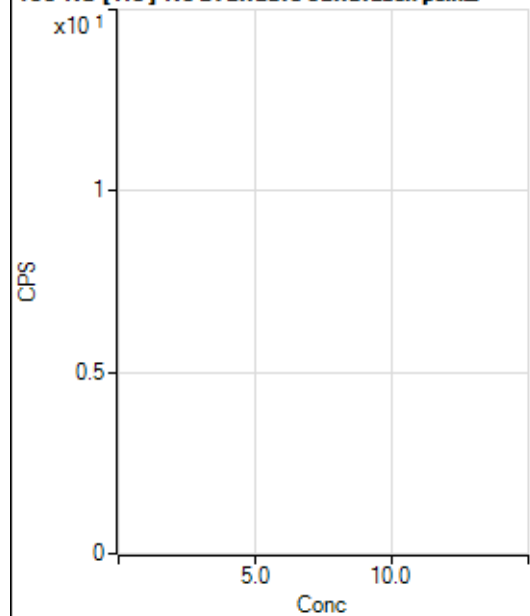
$$BEC = 0.0133$$

Weight: &lt;None&gt;

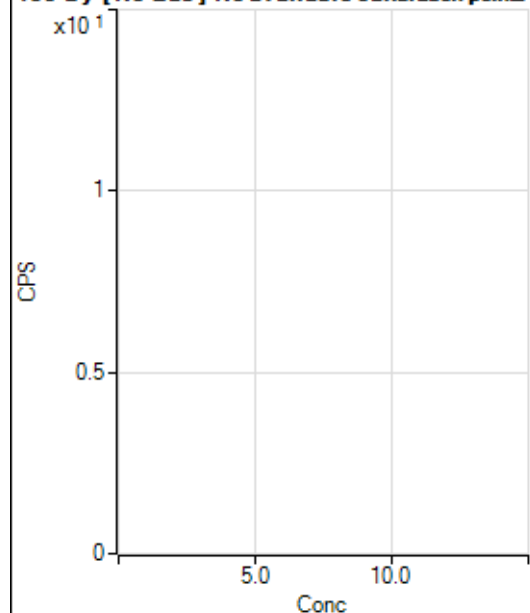
Min Conc: 0

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

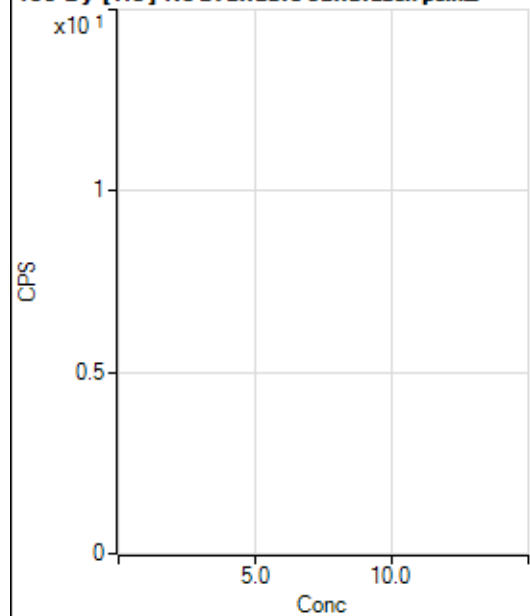
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22    |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 5.56    |       | P        | 34.7 |
| 3 | <input type="checkbox"/> |       |            | 62.22   |       | P        | 18.8 |
| 4 | <input type="checkbox"/> |       |            | 117.78  |       | P        | 3.3  |
| 5 | <input type="checkbox"/> |       |            | 234.45  |       | P        | 13.5 |
| 6 | <input type="checkbox"/> |       |            | 518.90  |       | P        | 6.2  |
| 7 | <input type="checkbox"/> |       |            | 1040.05 |       | P        | 10.1 |
| 8 | <input type="checkbox"/> |       |            | 25.56   |       | P        | 39.8 |

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

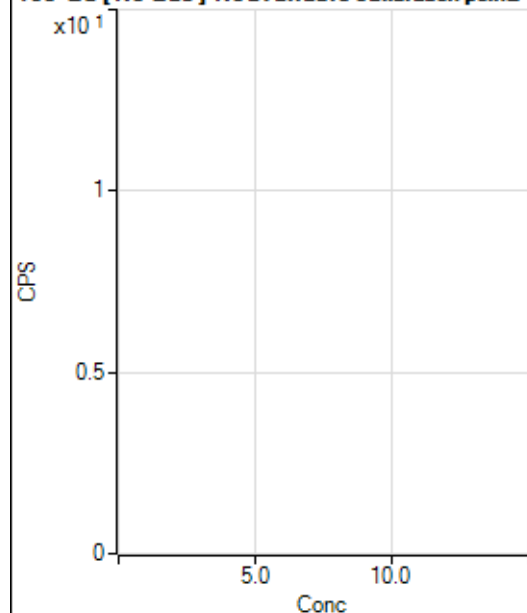
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 20.0 |
| 4 | <input type="checkbox"/> |       |            | 25.56  |       | P        | 45.8 |
| 5 | <input type="checkbox"/> |       |            | 48.89  |       | P        | 17.2 |
| 6 | <input type="checkbox"/> |       |            | 141.12 |       | P        | 28.2 |
| 7 | <input type="checkbox"/> |       |            | 236.67 |       | P        | 9.2  |
| 8 | <input type="checkbox"/> |       |            | 13.33  |       | P        | 50.0 |

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

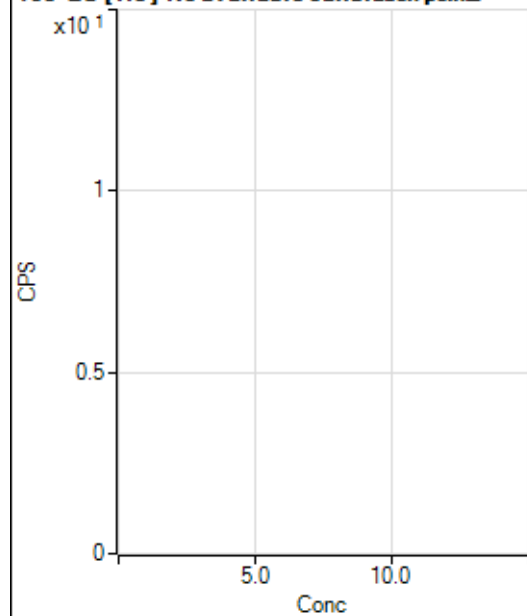
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 50.0 |
| 3 | <input type="checkbox"/> |       |            | 24.44  |       | P        | 20.8 |
| 4 | <input type="checkbox"/> |       |            | 143.34 |       | P        | 17.6 |
| 5 | <input type="checkbox"/> |       |            | 77.78  |       | P        | 24.7 |
| 6 | <input type="checkbox"/> |       |            | 195.56 |       | P        | 17.2 |
| 7 | <input type="checkbox"/> |       |            | 372.23 |       | P        | 6.7  |
| 8 | <input type="checkbox"/> |       |            | 720.03 |       | P        | 3.6  |

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

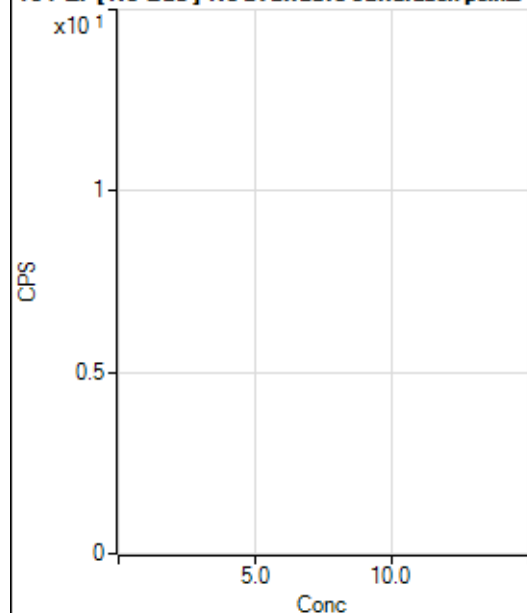
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 50.0 |
| 3 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 37.8 |
| 4 | <input type="checkbox"/> |       |            | 91.11  |       | P        | 24.4 |
| 5 | <input type="checkbox"/> |       |            | 74.44  |       | P        | 29.1 |
| 6 | <input type="checkbox"/> |       |            | 173.33 |       | P        | 13.3 |
| 7 | <input type="checkbox"/> |       |            | 301.12 |       | P        | 3.2  |
| 8 | <input type="checkbox"/> |       |            | 478.90 |       | P        | 15.6 |

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

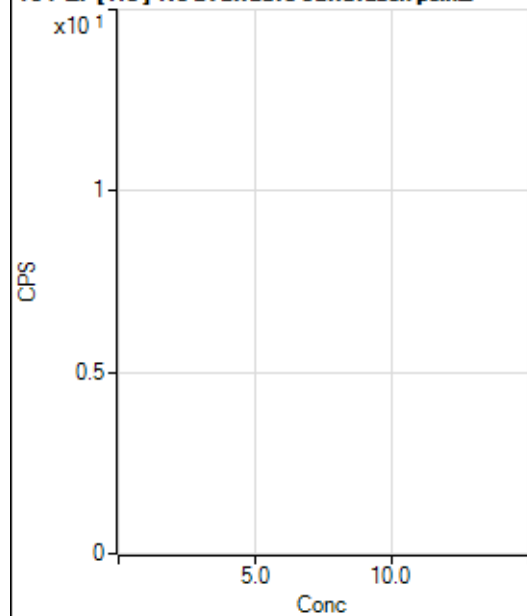
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 47.78  |       | P        | 28.2 |
| 2 | <input type="checkbox"/> |       |            | 30.00  |       | P        | 40.1 |
| 3 | <input type="checkbox"/> |       |            | 52.22  |       | P        | 3.7  |
| 4 | <input type="checkbox"/> |       |            | 76.67  |       | P        | 39.8 |
| 5 | <input type="checkbox"/> |       |            | 90.00  |       | P        | 9.8  |
| 6 | <input type="checkbox"/> |       |            | 140.00 |       | P        | 8.6  |
| 7 | <input type="checkbox"/> |       |            | 236.67 |       | P        | 7.8  |
| 8 | <input type="checkbox"/> |       |            | 785.59 |       | P        | 5.4  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 192.22 |       | P        | 12.5 |
| 2 | <input type="checkbox"/> |       |            | 210.01 |       | P        | 24.0 |
| 3 | <input type="checkbox"/> |       |            | 224.45 |       | P        | 9.5  |
| 4 | <input type="checkbox"/> |       |            | 235.56 |       | P        | 22.9 |
| 5 | <input type="checkbox"/> |       |            | 210.00 |       | P        | 6.9  |
| 6 | <input type="checkbox"/> |       |            | 285.56 |       | P        | 12.9 |
| 7 | <input type="checkbox"/> |       |            | 330.01 |       | P        | 11.6 |
| 8 | <input type="checkbox"/> |       |            | 752.25 |       | P        | 5.3  |

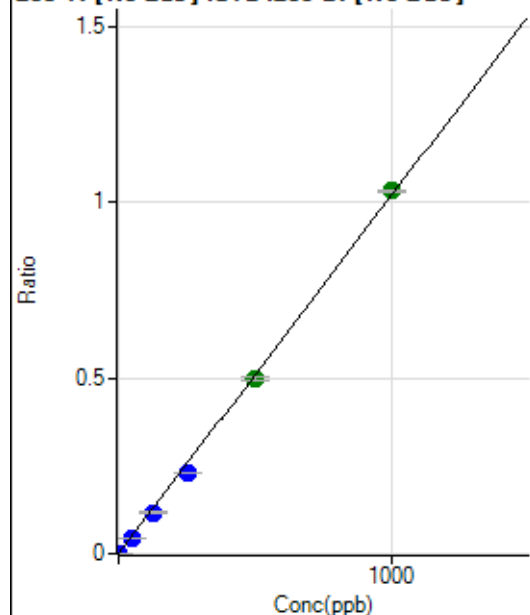
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 53.33  |       | P        | 22.5 |
| 2 | <input type="checkbox"/> |       |            | 52.22  |       | P        | 29.5 |
| 3 | <input type="checkbox"/> |       |            | 47.78  |       | P        | 40.3 |
| 4 | <input type="checkbox"/> |       |            | 36.67  |       | P        | 9.1  |
| 5 | <input type="checkbox"/> |       |            | 54.45  |       | P        | 7.1  |
| 6 | <input type="checkbox"/> |       |            | 80.00  |       | P        | 4.2  |
| 7 | <input type="checkbox"/> |       |            | 101.11 |       | P        | 10.1 |
| 8 | <input type="checkbox"/> |       |            | 75.56  |       | P        | 26.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 21.11 |       | P        | 50.8 |
| 2 | <input type="checkbox"/> |       |            | 26.67 |       | P        | 12.5 |
| 3 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 17.8 |
| 4 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 48.2 |
| 5 | <input type="checkbox"/> |       |            | 36.67 |       | P        | 36.4 |
| 6 | <input type="checkbox"/> |       |            | 48.89 |       | P        | 21.9 |
| 7 | <input type="checkbox"/> |       |            | 66.66 |       | P        | 8.7  |
| 8 | <input type="checkbox"/> |       |            | 57.78 |       | P        | 35.3 |

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 75.56      | 0.0000 | P    | 13.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.889      | 3797.23    | 0.0009 | P    | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 45.256     | 187854.47  | 0.0462 | P    | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 114.971    | 459991.28  | 0.1174 | P    | 4.0  |
| 5 | <input type="checkbox"/> | 250.000  | 227.113    | 917264.40  | 0.2319 | P    | 0.2  |
| 6 | <input type="checkbox"/> | 500.000  | 489.373    | 1955948.74 | 0.4996 | A    | 1.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1012.526   | 3875250.46 | 1.0337 | A    | 0.2  |
| 8 | <input type="checkbox"/> |          |            | 600.02     | 0.0002 | P    | 9.9  |

$$y = 0.0010 * x + 1.8755E-005$$

$$R = 0.9996$$

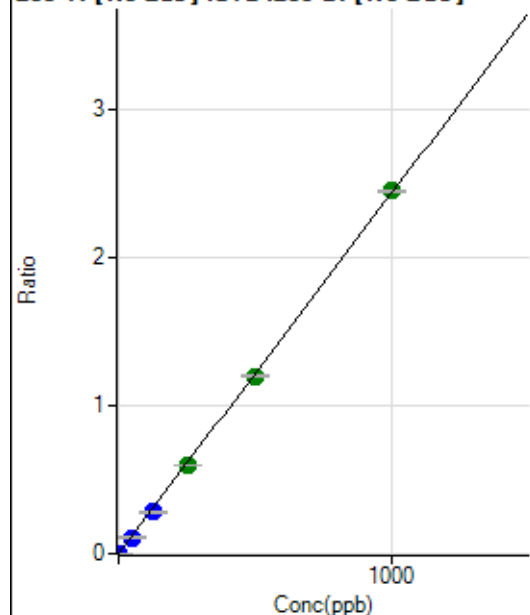
$$DL = 0.00761$$

$$BEC = 0.01837$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 178.89     | 0.0000 | P    | 8.6  |
| 2 | <input type="checkbox"/> | 1.000    | 0.877      | 8940.78    | 0.0022 | P    | 3.5  |
| 3 | <input type="checkbox"/> | 50.000   | 45.251     | 448478.67  | 0.1103 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 115.229    | 1100768.31 | 0.2809 | P    | 3.9  |
| 5 | <input type="checkbox"/> | 250.000  | 245.100    | 2363440.12 | 0.5975 | A    | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 491.741    | 4692746.46 | 1.1987 | A    | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.813   | 9200138.96 | 2.4542 | A    | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 1378.97    | 0.0004 | P    | 10.5 |

$$y = 0.0024 * x + 4.4388E-005$$

$$R = 0.9999$$

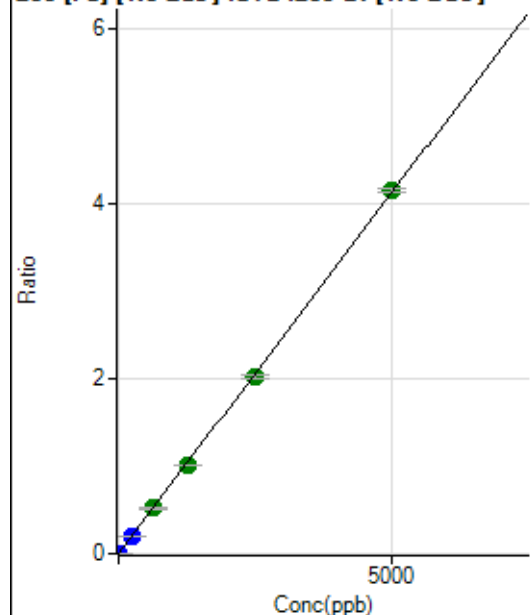
$$DL = 0.004687$$

$$BEC = 0.01821$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 211.11      | 0.0001 | P   | 6.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.906      | 3271.54     | 0.0008 | P   | 4.2 |
| 3 | <input type="checkbox"/> | 250.000  | 227.803    | 762736.81   | 0.1877 | P   | 0.6 |
| 4 | <input type="checkbox"/> | 625.000  | 628.065    | 2027126.57  | 0.5173 | A   | 3.8 |
| 5 | <input type="checkbox"/> | 1250.000 | 1232.733   | 4016237.40  | 1.0153 | A   | 0.6 |
| 6 | <input type="checkbox"/> | 2500.000 | 2444.804   | 7882589.39  | 2.0136 | A   | 1.9 |
| 7 | <input type="checkbox"/> | 5000.000 | 5032.642   | 15538024.77 | 4.1449 | A   | 1.0 |
| 8 | <input type="checkbox"/> |          |            | 3201.53     | 0.0010 | P   | 1.3 |

$$y = 8.2358\text{E-}004 * x + 5.2395\text{E-}005$$

$$R = 0.9999$$

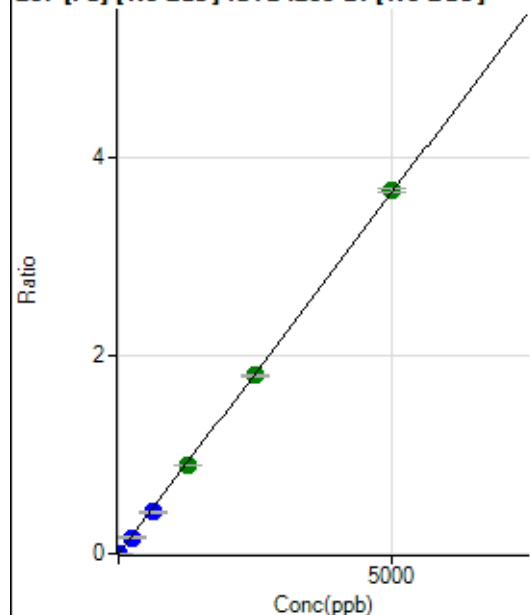
$$DL = 0.01199$$

$$BEC = 0.06362$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 196.67      | 0.0000 | P   | 7.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.868      | 2793.65     | 0.0007 | P   | 6.7 |
| 3 | <input type="checkbox"/> | 250.000  | 225.363    | 667855.36   | 0.1643 | P   | 1.2 |
| 4 | <input type="checkbox"/> | 625.000  | 574.841    | 1642249.01  | 0.4191 | P   | 3.6 |
| 5 | <input type="checkbox"/> | 1250.000 | 1228.143   | 3541522.10  | 0.8953 | A   | 0.2 |
| 6 | <input type="checkbox"/> | 2500.000 | 2468.238   | 7043761.63  | 1.7993 | A   | 1.7 |
| 7 | <input type="checkbox"/> | 5000.000 | 5028.847   | 13741983.69 | 3.6658 | A   | 0.9 |
| 8 | <input type="checkbox"/> |          |            | 2683.62     | 0.0009 | P   | 3.4 |

$$y = 7.2894\text{E-}004 * x + 4.8801\text{E-}005$$

$$R = 0.9999$$

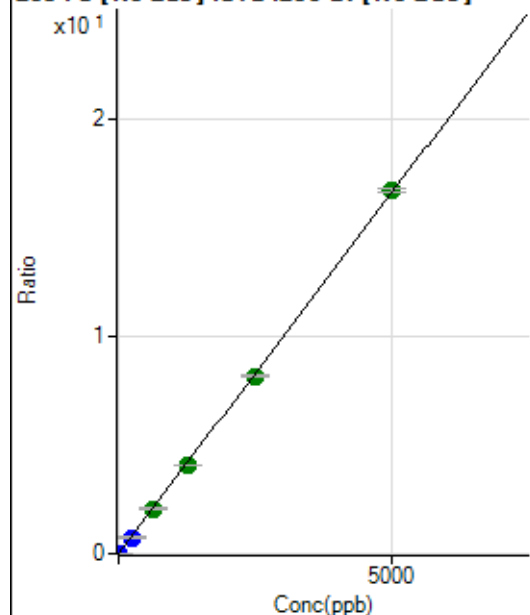
$$DL = 0.01523$$

$$BEC = 0.06695$$

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      | 877.80      | 0.0002  | P        | 2.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.879      | 12865.83    | 0.0031  | P        | 3.4 |
| 3 | <input type="checkbox"/> | 250.000  | 226.423    | 3060169.04  | 0.7529  | P        | 0.7 |
| 4 | <input type="checkbox"/> | 625.000  | 613.704    | 7994756.27  | 2.0404  | A        | 4.2 |
| 5 | <input type="checkbox"/> | 1250.000 | 1226.066   | 16124004.10 | 4.0762  | A        | 0.6 |
| 6 | <input type="checkbox"/> | 2500.000 | 2459.303   | 32007766.33 | 8.1759  | A        | 1.1 |
| 7 | <input type="checkbox"/> | 5000.000 | 5028.923   | 62672668.79 | 16.7184 | A        | 1.0 |
| 8 | <input type="checkbox"/> |          |            | 12544.62    | 0.0040  | P        | 0.3 |

$$y = 0.0033 * x + 2.1784E-004$$

$$R = 0.9999$$

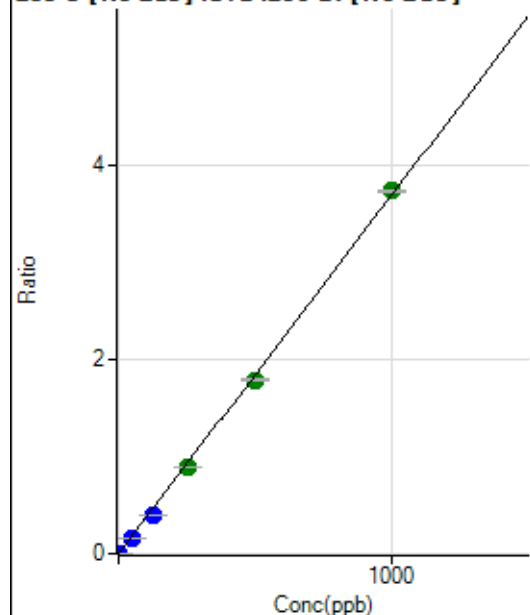
$$DL = 0.005422$$

$$BEC = 0.06553$$

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      | 10.00       | 0.0000 | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.795      | 12018.85    | 0.0029 | P        | 2.0 |
| 3 | <input type="checkbox"/> | 50.000   | 41.979     | 628620.92   | 0.1547 | P        | 1.1 |
| 4 | <input type="checkbox"/> | 125.000  | 107.348    | 1549922.32  | 0.3955 | P        | 3.6 |
| 5 | <input type="checkbox"/> | 250.000  | 242.473    | 3533975.54  | 0.8934 | A        | 0.9 |
| 6 | <input type="checkbox"/> | 500.000  | 484.155    | 6983782.53  | 1.7838 | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 1012.412   | 13983312.99 | 3.7301 | A        | 0.8 |
| 8 | <input type="checkbox"/> |          |            | 1122.28     | 0.0004 | P        | 5.7 |

$$y = 0.0037 * x + 2.4816E-006$$

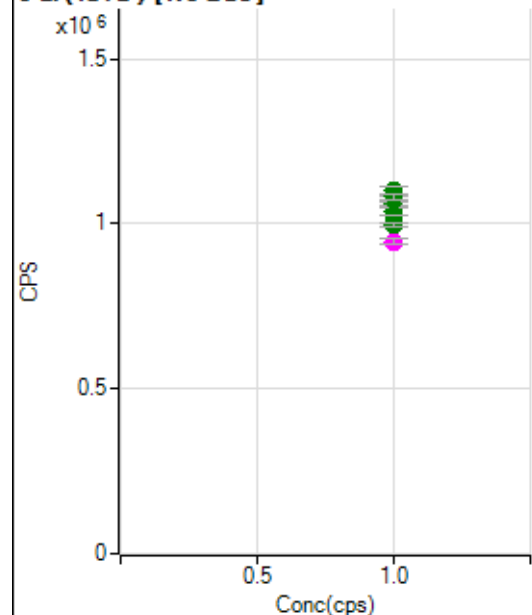
$$R = 0.9997$$

$$DL = 7.6E-06$$

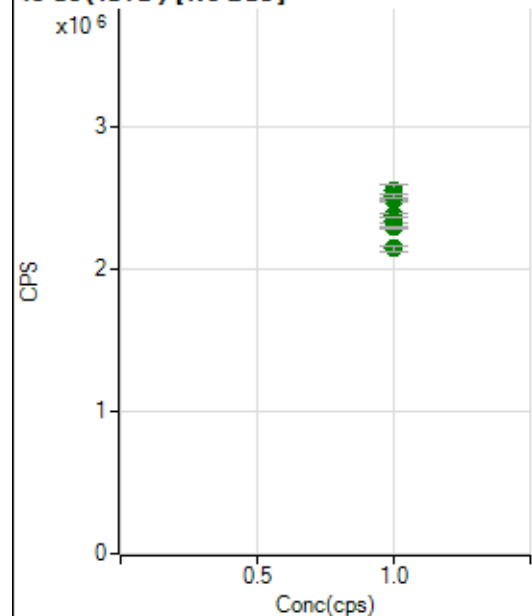
$$BEC = 0.0006735$$

Weight: &lt;None&gt;

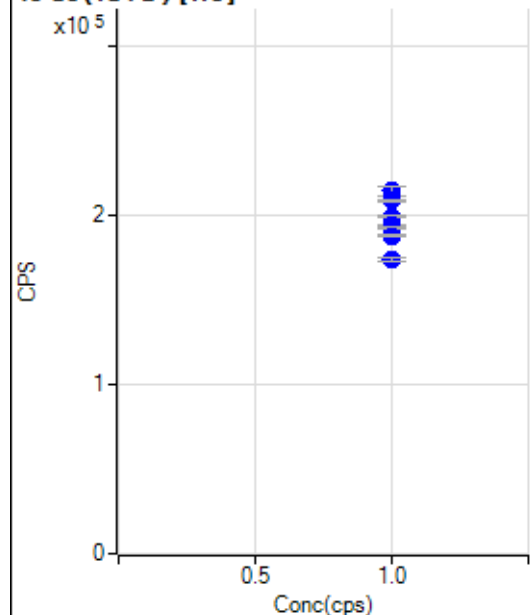
Min Conc: 0

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

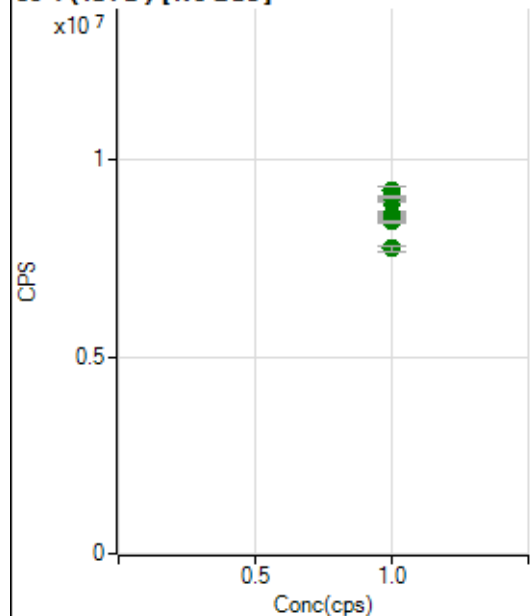
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1058862.44 |       | A        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1099511.45 |       | A        | 3.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1081203.29 |       | A        | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1038512.01 |       | A        | 2.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1038783.09 |       | A        | 2.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1025357.29 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 996581.42  |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 945912.22  |       | M        | 1.7 |

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

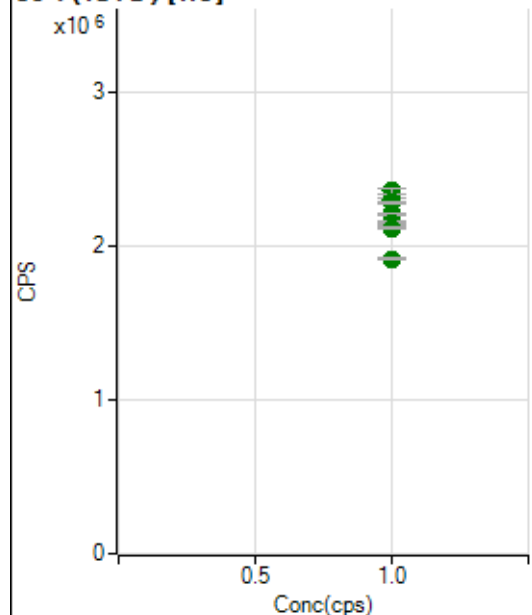
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2478824.30 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2546633.40 |       | A        | 3.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2510122.26 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2357743.35 |       | A        | 2.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2377965.56 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2340389.34 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2288135.83 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2143506.65 |       | A        | 1.7 |

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

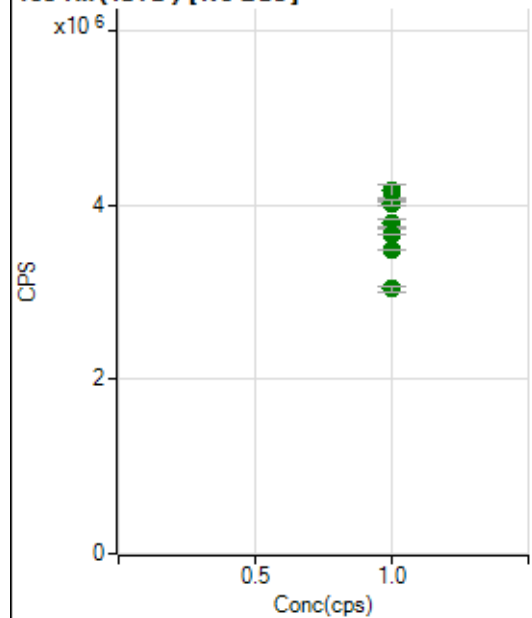
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 209166.03 |       | P        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 214534.33 |       | P        | 2.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 208996.29 |       | P        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 199539.51 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 194238.83 |       | P        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 192745.50 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 188080.21 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 174123.00 |       | P        | 1.0 |

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

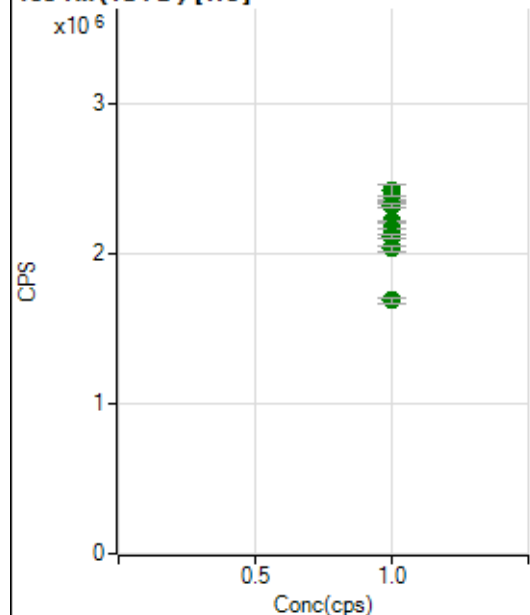
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8952927.85 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9205793.61 |       | A        | 2.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9067753.69 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8564119.73 |       | A        | 2.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8609879.45 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8514724.67 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8421048.00 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7735842.25 |       | A        | 2.4 |

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

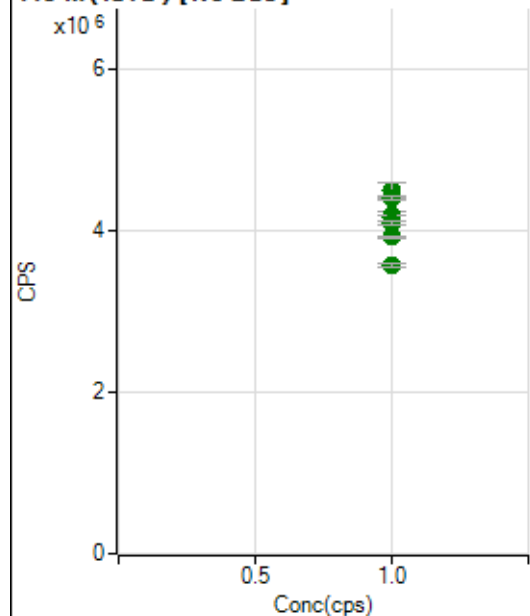
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2291463.40 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2355519.41 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2280720.41 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2203748.63 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2149110.89 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2152253.89 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2113011.86 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1911216.17 |       | A        | 0.6 |

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

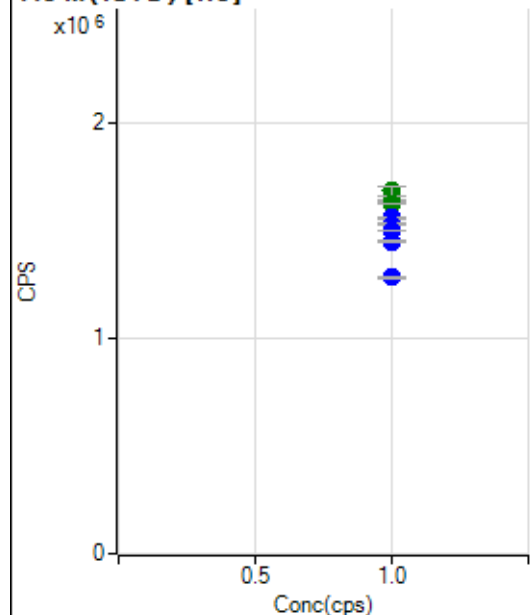
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4057158.38 |       | A        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4162831.92 |       | A        | 4.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4022466.12 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3788445.01 |       | A        | 2.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3738032.34 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3663325.75 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3487074.57 |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3035279.16 |       | A        | 2.5 |

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

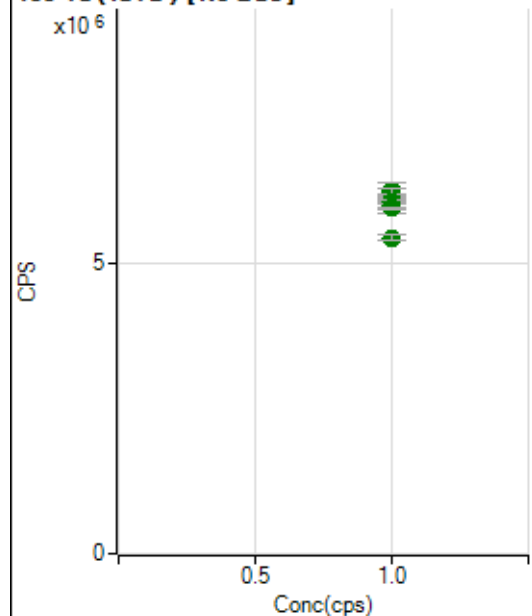
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2352193.79 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2423479.10 |       | A        | 3.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2325320.50 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2216208.53 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2166818.44 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2116856.84 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2036273.20 |       | A        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1691796.62 |       | A        | 1.9 |

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

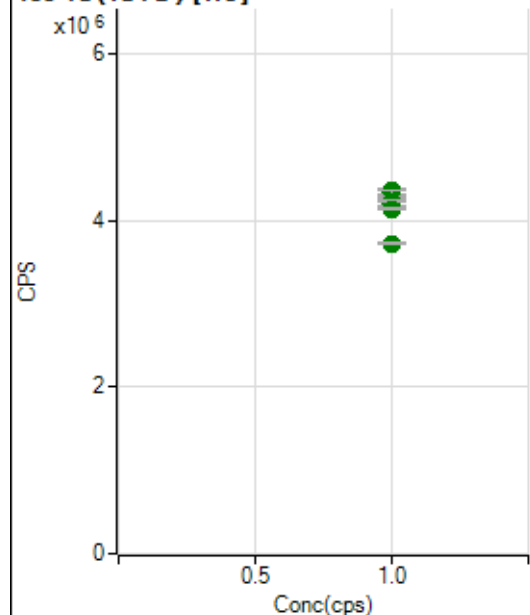
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4398153.89 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4495842.98 |       | A        | 4.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4408204.33 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4160906.93 |       | A        | 3.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4197780.34 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4095488.89 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3923979.48 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3565725.36 |       | A        | 1.4 |

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

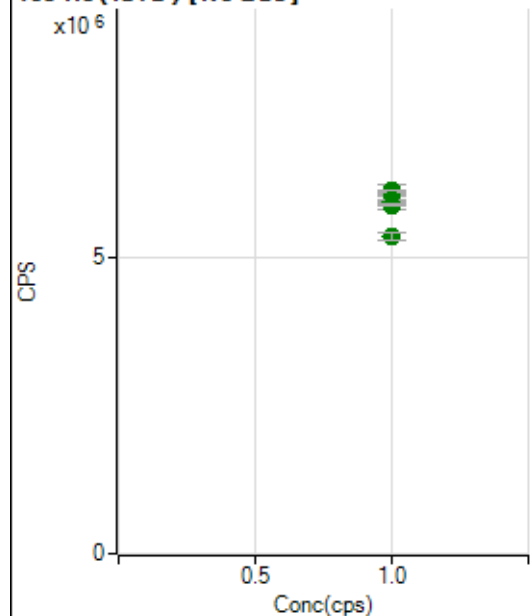
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1643240.24 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1687322.30 |       | A        | 2.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1626233.92 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1563772.59 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1532145.16 |       | P        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1503380.40 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1451446.42 |       | P        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1286526.25 |       | P        | 0.7 |

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

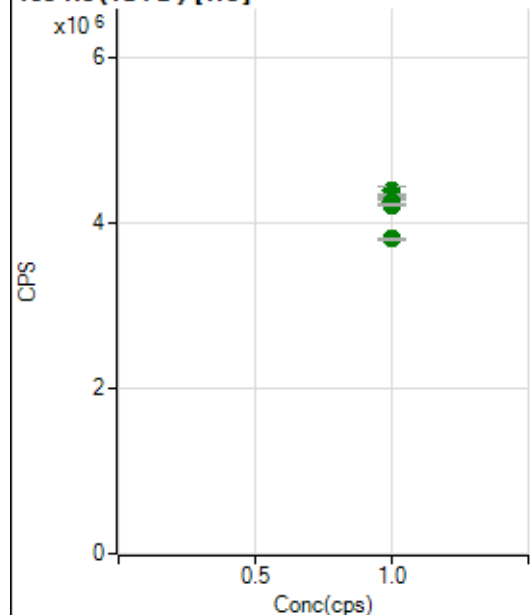
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6139596.85 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6264464.07 |       | A        | 4.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6249504.98 |       | A        | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5995276.86 |       | A        | 3.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6089618.87 |       | A        | 0.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6076562.55 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5960120.19 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5452302.52 |       | A        | 1.7 |

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

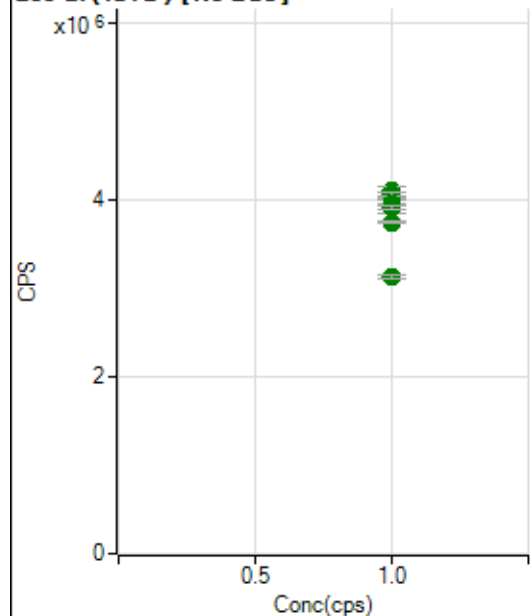
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4276543.06 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4358661.11 |       | A        | 1.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4332811.50 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4217683.45 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4207618.93 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4231728.62 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4143301.43 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3727328.31 |       | A        | 0.7 |

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

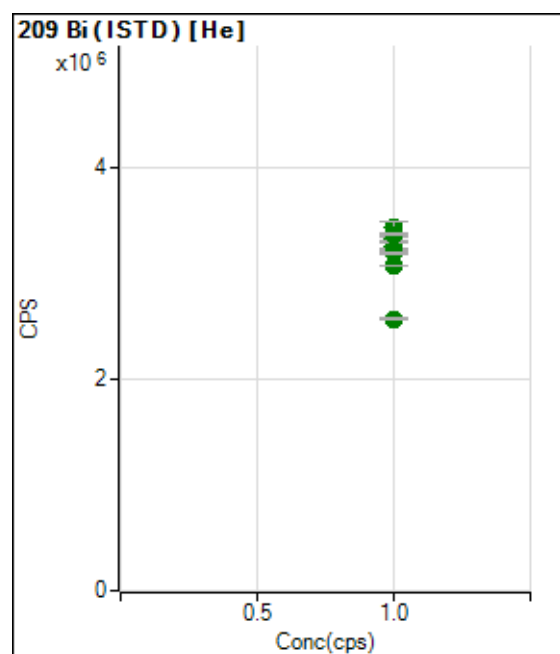
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6040549.91 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6112982.96 |       | A        | 3.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6116109.22 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5878647.83 |       | A        | 2.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5957377.97 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5940697.90 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5881564.57 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5346103.84 |       | A        | 2.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4300276.01 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4392591.74 |       | A        | 2.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4344489.41 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4263509.76 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4217231.15 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4263903.72 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4229170.94 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3806773.07 |       | A        | 1.0 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4029758.14 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4100470.39 |       | A        | 2.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4064389.28 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3922451.51 |       | A        | 3.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3955716.02 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3915111.75 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3748837.75 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3127904.81 |       | A        | 1.7 |



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3331924.85 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3428908.73 |       | A        | 3.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3367312.24 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3262225.47 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3211777.14 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3195009.67 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3072544.85 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2567819.42 |       | A        | 0.4 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7052223 MS.b  
Acq. Date-Time 2023-05-22 11:54:03  
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    |              | 4156  | 41558.96  |                            |             | 1.150  | 5.000           |
| 24   |              | 49665 | 496646.26 |                            |             | 0.369  | 5.000           |
| 25   |              | 6768  | 67680.16  |                            |             | 0.554  | 5.000           |
| 26   |              | 7979  | 79787.07  |                            |             | 0.281  | 5.000           |
| 59   |              | 37305 | 373050.36 |                            |             | 0.431  | 5.000           |
| 113  |              | 5027  | 50265.37  |                            |             | 0.584  | 5.000           |
| 115  |              | 63001 | 630007.56 |                            |             | 0.645  | 5.000           |
| 206  |              | 16563 | 165627.09 |                            |             | 0.238  | 5.000           |
| 207  |              | 15342 | 153423.94 |                            |             | 0.565  | 5.000           |
| 208  |              | 35633 | 356328.63 |                            |             | 0.434  | 5.000           |
| 220  |              | 0     | 2.50      |                            |             | 50.990 |                 |

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

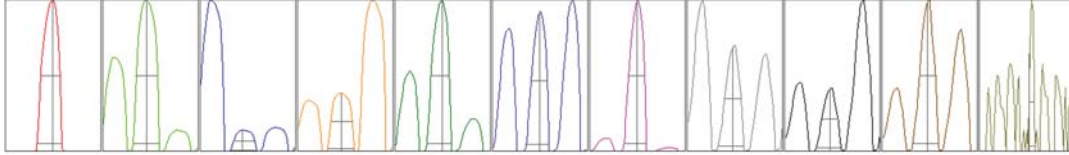
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 4216        | 4196        | 4125        | 4138        | 4104        |
| 24   | 49776       | 49935       | 49553       | 49541       | 49519       |
| 25   | 6805        | 6808        | 6761        | 6744        | 6723        |
| 26   | 7991        | 8010        | 7972        | 7951        | 7970        |
| 59   | 37248       | 37515       | 37414       | 37244       | 37104       |
| 113  | 4986        | 5056        | 5038        | 5046        | 5006        |
| 115  | 62339       | 63335       | 63329       | 63043       | 62958       |
| 206  | 16535       | 16614       | 16577       | 16575       | 16513       |
| 207  | 15242       | 15436       | 15415       | 15353       | 15266       |
| 208  | 35519       | 35701       | 35700       | 35813       | 35431       |

# 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    | 7280.76     | 9.00   | 8.90 - 9.10     |             |
| 24   | 77845.14    | 23.90  | 23.90 - 24.10   |             |
| 25   | 10599.39    | 24.85  | 24.90 - 25.10   | Fail        |
| 26   | 12001.45    | 25.90  | 25.90 - 26.10   |             |
| 59   | 67731.40    | 59.00  | 58.90 - 59.10   |             |
| 113  | 10352.04    | 113.00 | 112.90 - 113.10 |             |
| 115  | 129783.28   | 115.00 | 114.90 - 115.10 |             |
| 206  | 32582.62    | 205.95 | 205.90 - 206.10 |             |
| 207  | 30003.68    | 206.95 | 206.90 - 207.10 |             |
| 208  | 71834.00    | 207.95 | 207.90 - 208.10 |             |
| 220  | 0.45        | 220.10 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.60  | 0.782 | 0.900           |             |
| 24   | 0.68  | 0.828 | 0.900           |             |
| 25   | 0.67  | 0.822 | 0.900           |             |
| 26   | 0.69  | 0.833 | 0.900           |             |
| 59   | 0.57  | 0.783 | 0.900           |             |
| 113  | 0.50  | 0.720 | 0.900           |             |
| 115  | 0.50  | 0.717 | 0.900           |             |
| 206  | 0.52  | 0.812 | 0.900           |             |
| 207  | 0.51  | 0.782 | 0.900           |             |
| 208  | 0.50  | 0.816 | 0.900           |             |
| 220  | 0.16  | 0.196 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

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

# US EPA Tune Check Report

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

## Lens Parameters

|            |         |               |       |            |        |
|------------|---------|---------------|-------|------------|--------|
| Extract 1  | 0.0 V   | Omega Lens    | 8.6 V | Deflect    | 16.8 V |
| Extract 2  | -85.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -60 V   | Cell Exit     | -50 V |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 5.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 170 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 1.0002 | QP Bias | -3.0 V |
| Mass Offset | 125 | Axis Offset | -0.01  |         |        |

## Hardware Settings

### Torch

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

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.2 mV | Analog HV | 2290 V | Pulse HV | 1601 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 12322 | 123218.03 |                            |             | 0.159 |                 |
| 89   |              | 20057 | 200570.43 |                            |             | 0.324 |                 |
| 205  |              | 18058 | 180582.51 |                            |             | 0.155 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 12310       | 12332       | 12319       | 12299       | 12349       |
| 89   | 19965       | 20096       | 20018       | 20080       | 20126       |
| 205  | 18027       | 18041       | 18056       | 18068       | 18100       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

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

### Lens Parameters

|           |       |            |       |         |       |
|-----------|-------|------------|-------|---------|-------|
| Extract 1 | 0.0 V | Omega Lens | 9.3 V | Deflect | 3.0 V |
|-----------|-------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |         |               |       |            |       |
|------------|---------|---------------|-------|------------|-------|
| Extract 2  | -85.0 V | Cell Entrance | -40 V | Plate Bias | -60 V |
| Omega Bias | -55 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      | 180 V   |                       |       |

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 123 | Axis Gain   | 1.0002 | QP Bias | -13.0 V |
| Mass Offset | 125 | Axis Offset | -0.01  |         |         |

## Hardware Settings

### Torch

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

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.2 mV | Analog HV | 2290 V | Pulse HV | 1601 V |
|---------------|--------|-----------|--------|----------|--------|