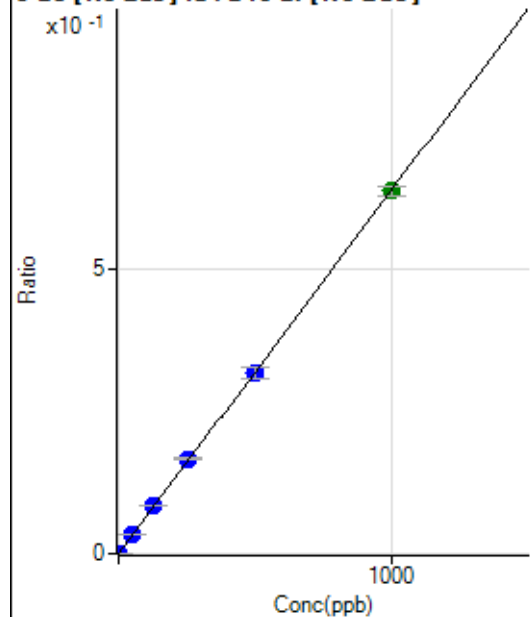


# Calibration for 010CAL.S.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7091823-MS.b\  
 Analysis File: P7091823-MS.batch.bin  
 DA Date-Time: 2023-09-18 18:16:13  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2023-09-18 13:22:44 |
| 2     | 005CAL.S.d         | S02         | 2023-09-18 13:26:00 |
| 3     | 006CAL.S.d         | S03         | 2023-09-18 13:29:16 |
| 4     | 007CAL.S.d         | S04         | 2023-09-18 13:32:16 |
| 5     | 008CAL.S.d         | S05         | 2023-09-18 13:35:10 |
| 6     | 009CAL.S.d         | S06         | 2023-09-18 13:37:58 |
| 7     | 010CAL.S.d         | S07         | 2023-09-18 13:40:46 |
| 8     | 011CAL.S.d         | S08         | 2023-09-18 13:43:31 |

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 103.33     | 0.0000 | P   | 15. |
| 2 | <input type="checkbox"/> | 1.000    | 1.103      | 1946.81    | 0.0007 | P   | 4.2 |
| 3 | <input type="checkbox"/> | 50.000   | 54.089     | 92080.29   | 0.0347 | P   | 3.8 |
| 4 | <input type="checkbox"/> | 125.000  | 132.162    | 226010.06  | 0.0847 | P   | 2.4 |
| 5 | <input type="checkbox"/> | 250.000  | 261.714    | 439501.85  | 0.1677 | P   | 0.4 |
| 6 | <input type="checkbox"/> | 500.000  | 495.890    | 851196.92  | 0.3177 | P   | 6.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 998.026    | 1612834.87 | 0.6393 | A   | 2.4 |
| 8 | <input type="checkbox"/> |          |            | 740.03     | 0.0003 | P   | 13. |

$$y = 6.4050\text{E-}004 * x + 3.8616\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.02746$$

$$BEC = 0.06029$$

Weight: &lt;None&gt;

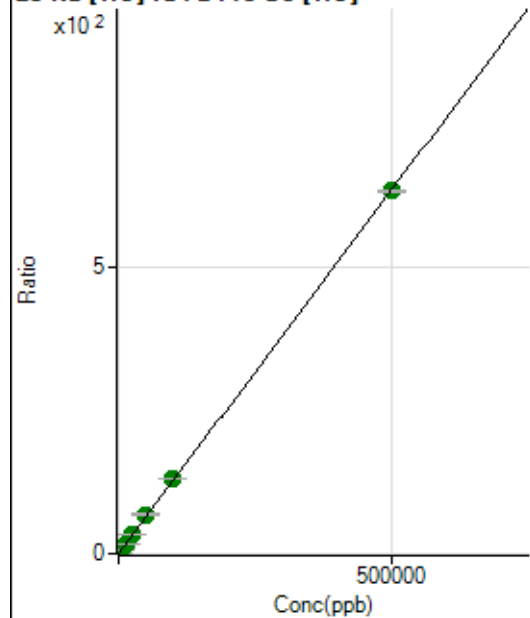
Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | 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**

|   | Rjct                     | 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"/> |       |            |     |       |     |     |

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

|   | Rjct                     | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 14915.09    | 0.0307   | P   | 1.5 |
| 2 | <input type="checkbox"/> | 500.000   | 487.588    | 317338.98   | 0.6480   | P   | 0.5 |
| 3 | <input type="checkbox"/> | 5000.000  | 5288.520   | 3228323.95  | 6.7260   | A   | 0.3 |
| 4 | <input type="checkbox"/> | 12500.000 | 13061.531  | 7856821.55  | 16.5668  | A   | 0.6 |
| 5 | <input type="checkbox"/> | 25000.000 | 26038.449  | 15350879.77 | 32.9959  | A   | 0.2 |
| 6 | <input type="checkbox"/> | 50000.000 | 53632.943  | 30729451.21 | 67.9311  | A   | 4.1 |
| 7 | <input type="checkbox"/> | 100000.00 | 103480.99  | 60521082.43 | 131.0398 | A   | 0.3 |
| 8 | <input type="checkbox"/> | 500000.00 | 498871.67  | 284439866.8 | 631.6129 | A   | 0.4 |

$$y = 0.0013 * x + 0.0307$$

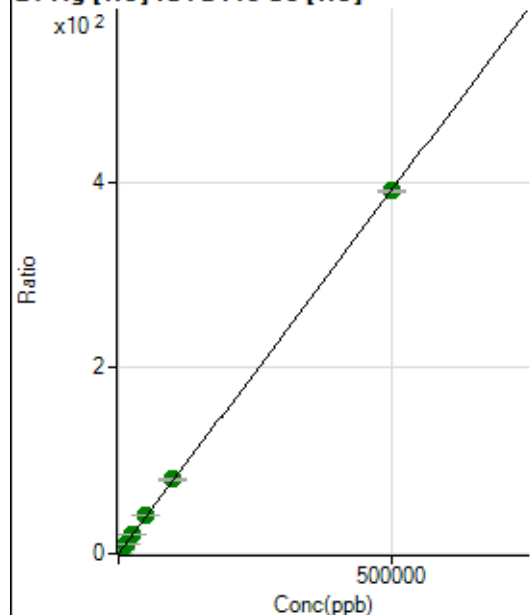
$$R = 1.0000$$

$$DL = 1.07$$

$$BEC = 24.22$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 567.79      | 0.0012   | P   | 2.1 |
| 2 | <input type="checkbox"/> | 500.000   | 482.301    | 185473.56   | 0.3787   | P   | 0.6 |
| 3 | <input type="checkbox"/> | 5000.000  | 5286.586   | 1986833.48  | 4.1395   | A   | 0.1 |
| 4 | <input type="checkbox"/> | 12500.000 | 12985.976  | 4821533.33  | 10.1665  | A   | 0.5 |
| 5 | <input type="checkbox"/> | 25000.000 | 25860.765  | 9418401.60  | 20.2448  | A   | 0.9 |
| 6 | <input type="checkbox"/> | 50000.000 | 53031.179  | 18782352.22 | 41.5137  | A   | 3.6 |
| 7 | <input type="checkbox"/> | 100000.00 | 101898.16  | 36839121.12 | 79.7665  | A   | 0.9 |
| 8 | <input type="checkbox"/> | 500000.00 | 499259.21  | 175999212.9 | 390.8186 | A   | 0.5 |

$$y = 7.8279E-004 * x + 0.0012$$

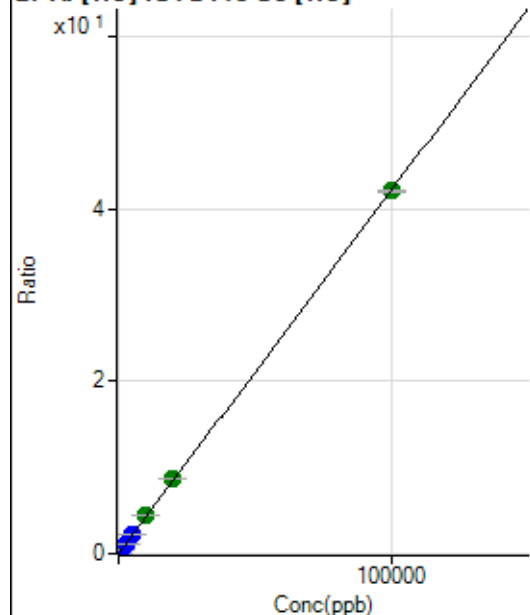
$$R = 1.0000$$

$$DL = 0.09436$$

$$BEC = 1.491$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 333.34      | 0.0007  | P   | 12. |
| 2 | <input type="checkbox"/> | 20.000    | 21.598     | 4803.02     | 0.0098  | P   | 1.5 |
| 3 | <input type="checkbox"/> | 1000.000  | 1078.881   | 219037.83   | 0.4564  | P   | 0.2 |
| 4 | <input type="checkbox"/> | 2500.000  | 2644.049   | 529933.68   | 1.1174  | P   | 0.3 |
| 5 | <input type="checkbox"/> | 5000.000  | 5321.654   | 1045989.59  | 2.2483  | P   | 0.6 |
| 6 | <input type="checkbox"/> | 10000.000 | 10600.267  | 2025409.67  | 4.4778  | A   | 4.5 |
| 7 | <input type="checkbox"/> | 20000.000 | 20594.347  | 4017527.82  | 8.6988  | A   | 1.2 |
| 8 | <input type="checkbox"/> | 100000.00 | 99800.631  | 18982683.61 | 42.1520 | A   | 0.5 |

$$y = 4.2236E-004 * x + 6.8489E-004$$

$$R = 1.0000$$

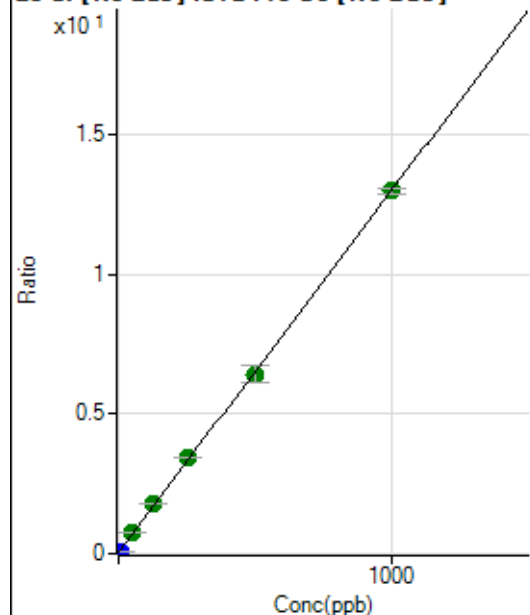
$$DL = 0.5938$$

$$BEC = 1.622$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rjc<br>t                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 290078.75   | 0.0480  | P   | 1.5 |
| 2 | <input type="checkbox"/> | 10.000   | 0.923      | 352389.07   | 0.0599  | P   | 3.7 |
| 3 | <input type="checkbox"/> | 50.000   | 54.858     | 4486142.40  | 0.7575  | A   | 3.4 |
| 4 | <input type="checkbox"/> | 125.000  | 133.637    | 10460206.86 | 1.7764  | A   | 0.5 |
| 5 | <input type="checkbox"/> | 250.000  | 261.700    | 19770595.82 | 3.4328  | A   | 1.1 |
| 6 | <input type="checkbox"/> | 500.000  | 492.550    | 37826673.88 | 6.4187  | A   | 9.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 999.568    | 72963459.47 | 12.9766 | A   | 1.5 |
| 8 | <input type="checkbox"/> |          |            | 475933.13   | 0.0852  | P   | 2.7 |

$$y = 0.0129 * x + 0.0480$$

$$R = 0.9998$$

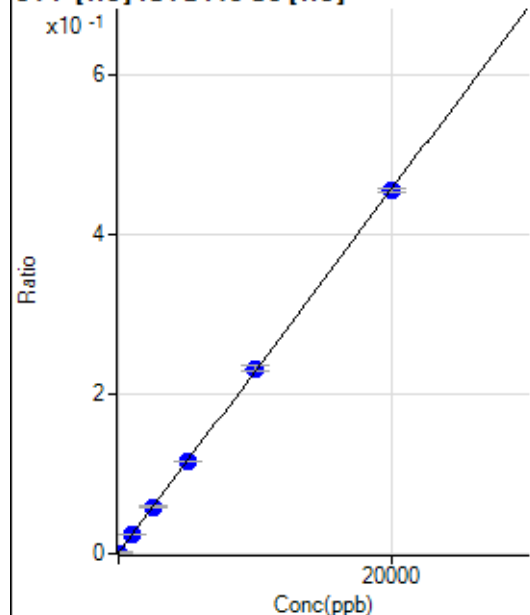
$$DL = 0.1645$$

$$BEC = 3.708$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rjc<br>t                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | -8.229     | 398.90    | 0.0008 | P   | 15. |
| 2 | <input type="checkbox"/> | 0.000     | 8.229      | 585.57    | 0.0012 | P   | 2.6 |
| 3 | <input type="checkbox"/> | 1000.000  | 1001.752   | 11445.47  | 0.0238 | P   | 2.1 |
| 4 | <input type="checkbox"/> | 2500.000  | 2543.384   | 27976.69  | 0.0590 | P   | 2.1 |
| 5 | <input type="checkbox"/> | 5000.000  | 5052.311   | 54054.00  | 0.1162 | P   | 0.9 |
| 6 | <input type="checkbox"/> | 10000.000 | 10158.036  | 105235.23 | 0.2326 | P   | 3.1 |
| 7 | <input type="checkbox"/> | 20000.000 | 19902.393  | 210012.95 | 0.4547 | P   | 0.9 |
| 8 | <input type="checkbox"/> |           |            | 474.45    | 0.0011 | P   | 3.9 |

$$y = 2.2798E-005 * x + 0.0010$$

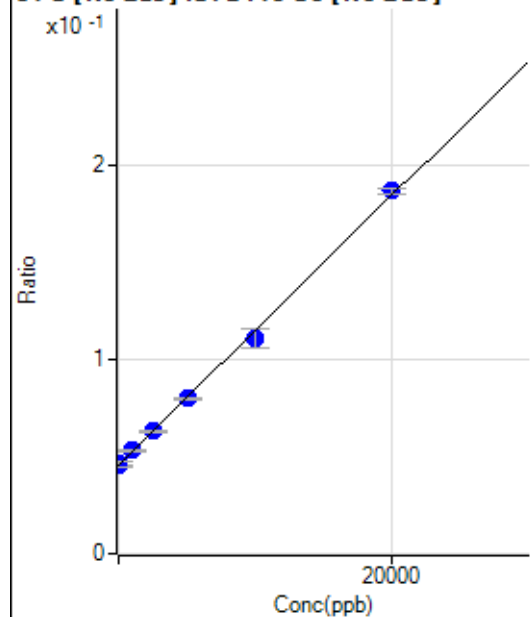
$$R = 0.9999$$

$$DL = 10.6$$

$$BEC = 44.22$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | -38.685    | 276196.46  | 0.0457 | P   | 0.4 |
| 2 | <input type="checkbox"/> | 0.000     | 38.685     | 271706.31  | 0.0462 | P   | 4.9 |
| 3 | <input type="checkbox"/> | 1000.000  | 1055.321   | 315373.31  | 0.0532 | P   | 2.0 |
| 4 | <input type="checkbox"/> | 2500.000  | 2455.045   | 370592.73  | 0.0629 | P   | 0.2 |
| 5 | <input type="checkbox"/> | 5000.000  | 4896.289   | 459910.97  | 0.0799 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 10000.000 | 9354.332   | 652734.30  | 0.1107 | P   | 9.2 |
| 7 | <input type="checkbox"/> | 20000.000 | 20351.615  | 1051112.12 | 0.1869 | P   | 1.4 |
| 8 | <input type="checkbox"/> |           |            | 239640.87  | 0.0429 | P   | 2.6 |

$$y = 6.9289E-006 * x + 0.0459$$

R = 0.9992

DL = 525

BEC = 6628

Weight: &lt;None&gt;

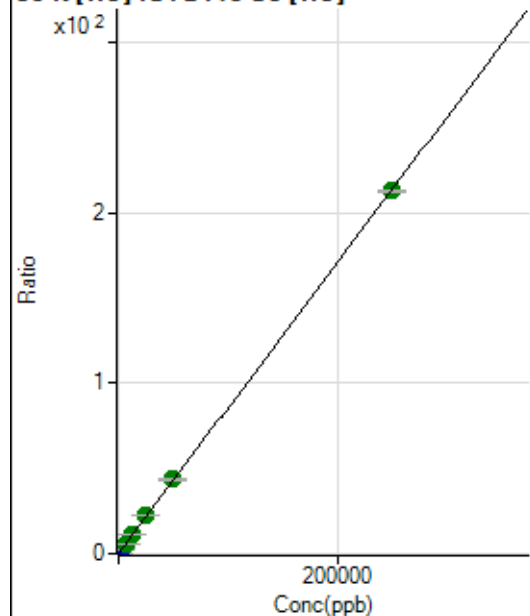
Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | 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**

|   | Rjct                     | 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"/> |       |            |     |       |      |     |

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

|   | Rjct                     | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 63115.63    | 0.1297   | P    | 1.3 |
| 2 | <input type="checkbox"/> | 500.000   | 485.344    | 266297.17   | 0.5437   | P    | 0.3 |
| 3 | <input type="checkbox"/> | 2500.000  | 2725.669   | 1178182.60  | 2.4547   | P    | 0.6 |
| 4 | <input type="checkbox"/> | 6250.000  | 6434.614   | 2664433.75  | 5.6184   | A    | 0.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 12774.344  | 5129791.17  | 11.0260  | A    | 0.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 26093.363  | 10130069.78 | 22.3869  | A    | 2.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 51076.830  | 20180799.70 | 43.6974  | A    | 1.0 |
| 8 | <input type="checkbox"/> | 250000.00 | 249654.73  | 95958853.02 | 213.0811 | A    | 0.7 |

$$y = 8.5298E-004 * x + 0.1297$$

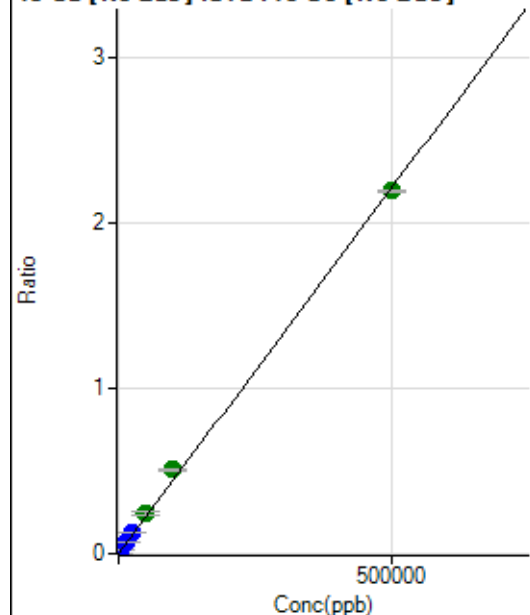
$$R = 1.0000$$

$$DL = 6.024$$

$$BEC = 152.1$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 744.47      | 0.0001 | P   | 3.1 |
| 2 | <input type="checkbox"/> | 500.000   | 489.367    | 13437.16    | 0.0023 | P   | 2.9 |
| 3 | <input type="checkbox"/> | 5000.000  | 5950.623   | 156318.80   | 0.0264 | P   | 2.6 |
| 4 | <input type="checkbox"/> | 12500.000 | 14593.146  | 380027.73   | 0.0645 | P   | 1.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 29132.389  | 741315.20   | 0.1287 | P   | 1.7 |
| 6 | <input type="checkbox"/> | 50000.000 | 54324.627  | 1414991.23  | 0.2399 | A   | 8.4 |
| 7 | <input type="checkbox"/> | 100000.00 | 114525.74  | 2843307.88  | 0.5057 | A   | 2.0 |
| 8 | <input type="checkbox"/> | 500000.00 | 496393.94  | 12240562.32 | 2.1914 | A   | 0.6 |

$$y = 4.4143\text{E-}006 * x + 1.2305\text{E-}004$$

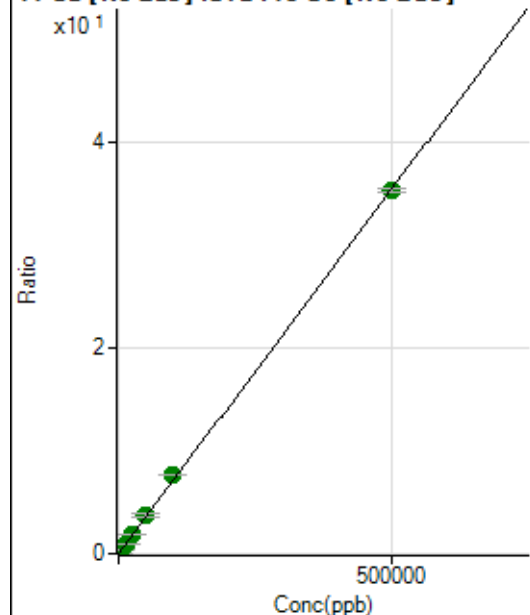
$$R = 0.9995$$

$$DL = 2.573$$

$$BEC = 27.88$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 14653.83    | 0.0024  | P   | 1.4 |
| 2 | <input type="checkbox"/> | 500.000   | 497.572    | 221080.29   | 0.0376  | P   | 4.0 |
| 3 | <input type="checkbox"/> | 5000.000  | 5535.775   | 2331043.99  | 0.3935  | A   | 2.5 |
| 4 | <input type="checkbox"/> | 12500.000 | 13466.258  | 5616477.63  | 0.9539  | A   | 0.9 |
| 5 | <input type="checkbox"/> | 25000.000 | 26958.186  | 10983152.06 | 1.9071  | A   | 1.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 52186.213  | 21755926.62 | 3.6895  | A   | 8.6 |
| 7 | <input type="checkbox"/> | 100000.00 | 108433.15  | 43089663.25 | 7.6636  | A   | 1.5 |
| 8 | <input type="checkbox"/> | 500000.00 | 497967.32  | 196538174.8 | 35.1854 | A   | 1.0 |

$$y = 7.0653\text{E-}005 * x + 0.0024$$

$$R = 0.9998$$

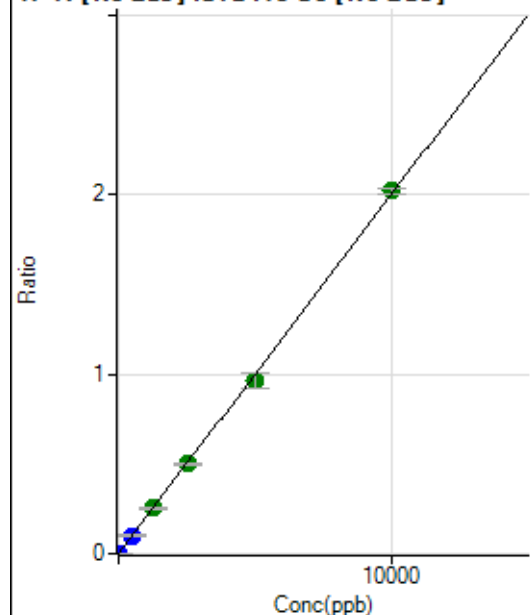
$$DL = 1.488$$

$$BEC = 34.29$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 86.67       | 0.0000 | P   | 40. |
| 2 | <input type="checkbox"/> | 5.000     | 4.844      | 5800.05     | 0.0010 | P   | 2.1 |
| 3 | <input type="checkbox"/> | 500.000   | 504.746    | 599223.81   | 0.1012 | P   | 3.2 |
| 4 | <input type="checkbox"/> | 1250.000  | 1258.079   | 1484788.33  | 0.2522 | A   | 0.9 |
| 5 | <input type="checkbox"/> | 2500.000  | 2490.548   | 2874899.64  | 0.4992 | A   | 1.0 |
| 6 | <input type="checkbox"/> | 5000.000  | 4817.968   | 5692480.33  | 0.9657 | A   | 9.1 |
| 7 | <input type="checkbox"/> | 10000.000 | 10092.132  | 11372724.13 | 2.0227 | A   | 1.9 |
| 8 | <input type="checkbox"/> |           |            | 2468.01     | 0.0004 | P   | 22. |

$$y = 2.0042\text{E-}004 * x + 1.4349\text{E-}005$$

$$R = 0.9998$$

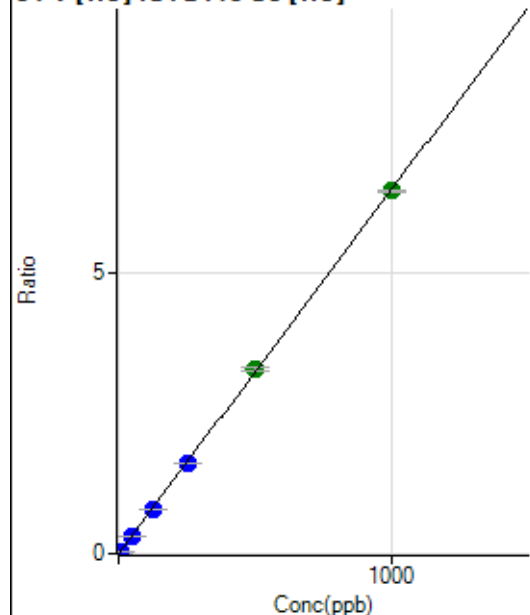
$$DL = 0.08763$$

$$BEC = 0.07159$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.22       | 0.0000 | P   | 86. |
| 2 | <input type="checkbox"/> | 5.000    | 4.593      | 14621.62   | 0.0299 | P   | 0.6 |
| 3 | <input type="checkbox"/> | 50.000   | 49.970     | 155888.58  | 0.3248 | P   | 0.5 |
| 4 | <input type="checkbox"/> | 125.000  | 122.806    | 378544.15  | 0.7982 | P   | 0.4 |
| 5 | <input type="checkbox"/> | 250.000  | 248.917    | 752695.92  | 1.6179 | P   | 0.2 |
| 6 | <input type="checkbox"/> | 500.000  | 507.824    | 1493654.75 | 3.3007 | A   | 2.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 996.636    | 2991684.36 | 6.4778 | A   | 0.8 |
| 8 | <input type="checkbox"/> |          |            | 1311.18    | 0.0029 | P   | 2.4 |

$$y = 0.0065 * x + 4.5527\text{E-}006$$

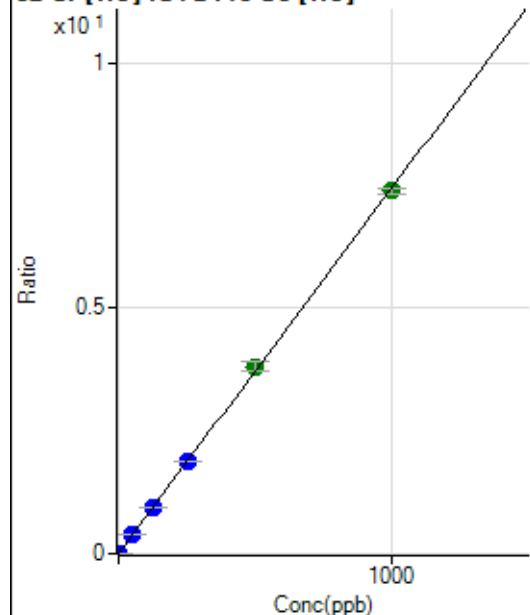
$$R = 1.0000$$

$$DL = 0.00182$$

$$BEC = 0.0007004$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jt</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1120.05    | 0.0023 | P   | 5.2 |
| 2 | <input type="checkbox"/> | 2.000    | 1.940      | 8190.07    | 0.0167 | P   | 4.2 |
| 3 | <input type="checkbox"/> | 50.000   | 51.170     | 183666.04  | 0.3827 | P   | 0.6 |
| 4 | <input type="checkbox"/> | 125.000  | 126.351    | 446487.00  | 0.9415 | P   | 1.2 |
| 5 | <input type="checkbox"/> | 250.000  | 252.631    | 874717.34  | 1.8802 | P   | 0.6 |
| 6 | <input type="checkbox"/> | 500.000  | 511.717    | 1721271.83 | 3.8060 | A   | 5.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 993.256    | 3410766.34 | 7.3854 | A   | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 13536.16   | 0.0301 | P   | 3.0 |

$$y = 0.0074 * x + 0.0023$$

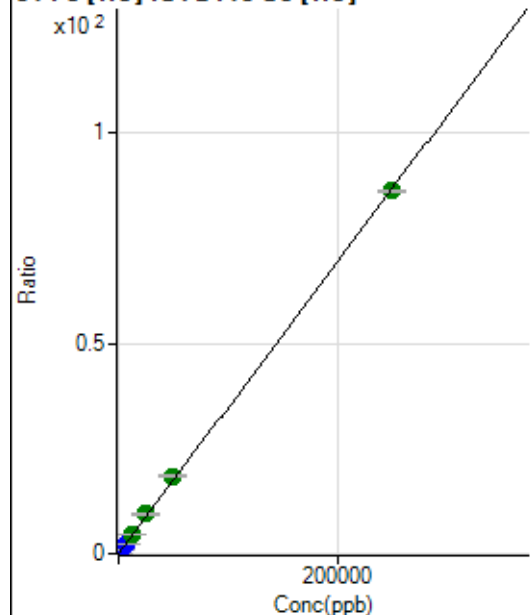
$$R = 0.9999$$

$$DL = 0.04813$$

$$BEC = 0.3097$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jt</sub>          | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1813.46     | 0.0037  | P   | 1.6 |
| 2 | <input type="checkbox"/> | 50.000    | 53.854     | 10955.20    | 0.0224  | P   | 2.4 |
| 3 | <input type="checkbox"/> | 2500.000  | 2842.877   | 474111.45   | 0.9878  | P   | 0.1 |
| 4 | <input type="checkbox"/> | 6250.000  | 7013.113   | 1153087.27  | 2.4313  | P   | 0.3 |
| 5 | <input type="checkbox"/> | 12500.000 | 13412.959  | 2161838.27  | 4.6466  | A   | 0.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 27217.813  | 4264573.96  | 9.4252  | A   | 3.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 53309.522  | 8523782.86  | 18.4568 | A   | 1.5 |
| 8 | <input type="checkbox"/> | 250000.00 | 249048.15  | 38824194.42 | 86.2118 | A   | 0.5 |

$$y = 3.4615E-004 * x + 0.0037$$

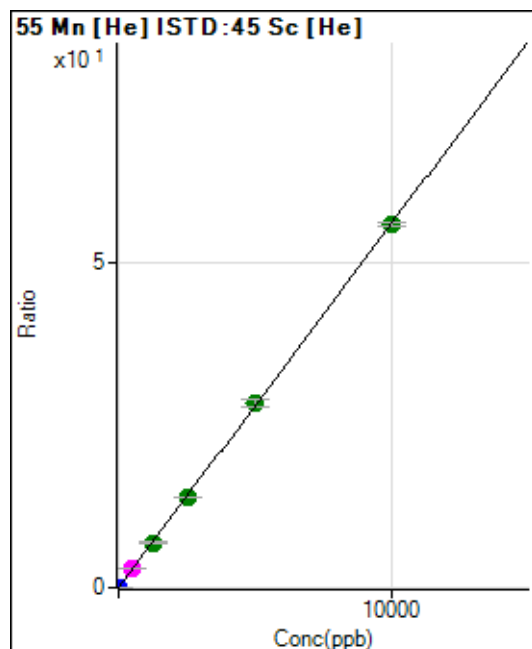
$$R = 0.9999$$

$$DL = 0.5181$$

$$BEC = 10.77$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 235.56      | 0.0005  | P   | 3.1 |
| 2 | <input type="checkbox"/> | 1.000     | 1.024      | 3042.56     | 0.0062  | P   | 1.9 |
| 3 | <input type="checkbox"/> | 500.000   | 511.197    | 1373196.25  | 2.8610  | M   | 0.5 |
| 4 | <input type="checkbox"/> | 1250.000  | 1239.000   | 3288042.21  | 6.9337  | A   | 2.0 |
| 5 | <input type="checkbox"/> | 2500.000  | 2492.835   | 6490042.54  | 13.9499 | A   | 0.9 |
| 6 | <input type="checkbox"/> | 5000.000  | 5081.823   | 12865498.56 | 28.4373 | A   | 3.9 |
| 7 | <input type="checkbox"/> | 10000.000 | 9961.695   | 25744214.62 | 55.7440 | A   | 1.1 |
| 8 | <input type="checkbox"/> |           |            | 22009.51    | 0.0489  | P   | 1.0 |

$$y = 0.0056 * x + 4.8415E-004$$

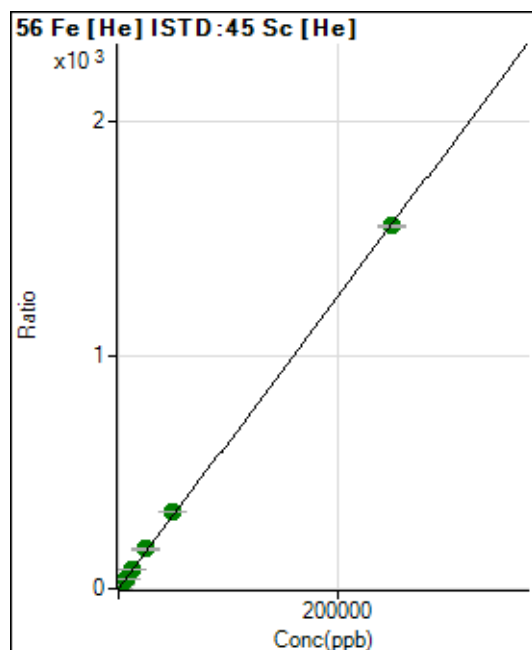
$$R = 0.9999$$

$$DL = 0.007918$$

$$BEC = 0.08652$$

Weight: <None>

Min Conc: 0



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 15156.61    | 0.0312   | P   | 3.6 |
| 2 | <input type="checkbox"/> | 50.000    | 52.417     | 175378.01   | 0.3581   | P   | 0.1 |
| 3 | <input type="checkbox"/> | 2500.000  | 2699.933   | 8097604.11  | 16.8710  | A   | 0.7 |
| 4 | <input type="checkbox"/> | 6250.000  | 6550.657   | 19390859.57 | 40.8884  | A   | 0.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 13295.099  | 38594256.09 | 82.9543  | A   | 0.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 27186.497  | 76718923.86 | 169.5965 | A   | 4.2 |
| 7 | <input type="checkbox"/> | 50000.000 | 52832.257  | 152201406.6 | 329.5522 | A   | 0.5 |
| 8 | <input type="checkbox"/> | 250000.00 | 249165.62  | 699880914.0 | 1554.106 | A   | 0.8 |

$$y = 0.0062 * x + 0.0312$$

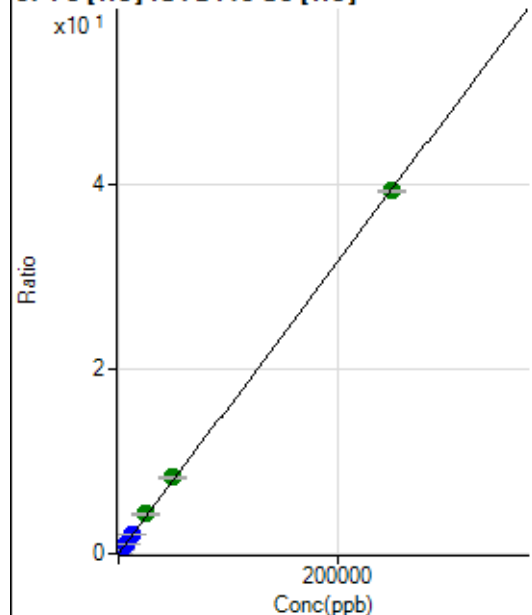
$$R = 0.9999$$

$$DL = 0.5469$$

$$BEC = 4.995$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 788.92      | 0.0016  | P   | 2.7 |
| 2 | <input type="checkbox"/> | 50.000    | 52.215     | 4823.04     | 0.0098  | P   | 2.4 |
| 3 | <input type="checkbox"/> | 2500.000  | 2794.561   | 212101.09   | 0.4419  | P   | 0.8 |
| 4 | <input type="checkbox"/> | 6250.000  | 6879.918   | 514822.58   | 1.0856  | P   | 1.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 13794.458  | 1011855.45  | 2.1750  | P   | 0.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 27257.837  | 1943524.68  | 4.2961  | A   | 4.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 52190.722  | 3798252.16  | 8.2243  | A   | 1.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 249252.65  | 17685407.24 | 39.2717 | A   | 0.8 |

$$y = 1.5755\text{E-}004 * x + 0.0016$$

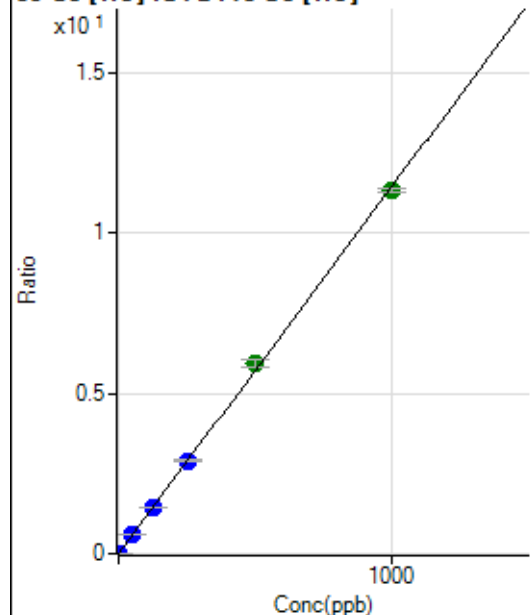
$$R = 0.9999$$

$$DL = 0.848$$

$$BEC = 10.29$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 48.89      | 0.0001  | P   | 35. |
| 2 | <input type="checkbox"/> | 1.000    | 0.953      | 5383.24    | 0.0110  | P   | 3.8 |
| 3 | <input type="checkbox"/> | 50.000   | 51.772     | 283987.37  | 0.5917  | P   | 0.5 |
| 4 | <input type="checkbox"/> | 125.000  | 127.902    | 693133.81  | 1.4616  | P   | 0.8 |
| 5 | <input type="checkbox"/> | 250.000  | 254.354    | 1352187.97 | 2.9065  | P   | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 517.645    | 2675844.33 | 5.9150  | A   | 3.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 989.638    | 5222558.29 | 11.3082 | A   | 0.9 |
| 8 | <input type="checkbox"/> |          |            | 15097.69   | 0.0335  | P   | 1.7 |

$$y = 0.0114 * x + 1.0059\text{E-}004$$

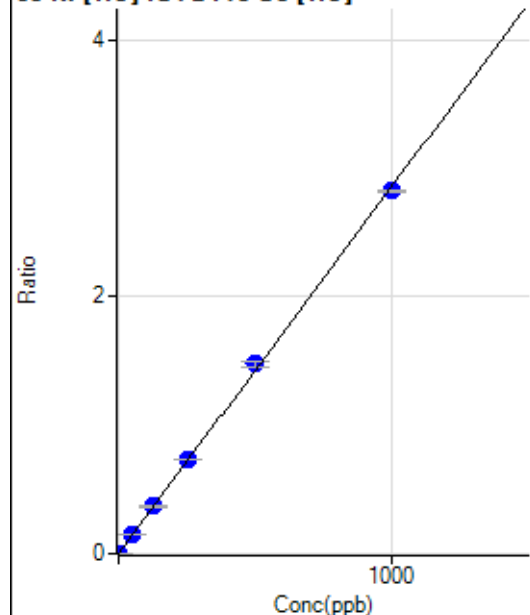
$$R = 0.9998$$

$$DL = 0.00932$$

$$BEC = 0.008804$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 165.56     | 0.0003 | P   | 17. |
| 2 | <input type="checkbox"/> | 1.000    | 1.025      | 1600.10    | 0.0033 | P   | 4.8 |
| 3 | <input type="checkbox"/> | 50.000   | 53.454     | 73390.62   | 0.1529 | P   | 0.6 |
| 4 | <input type="checkbox"/> | 125.000  | 128.411    | 173976.92  | 0.3669 | P   | 0.8 |
| 5 | <input type="checkbox"/> | 250.000  | 256.937    | 341338.18  | 0.7337 | P   | 0.7 |
| 6 | <input type="checkbox"/> | 500.000  | 516.770    | 667528.73  | 1.4753 | P   | 3.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 989.282    | 1304206.34 | 2.8240 | P   | 0.8 |
| 8 | <input type="checkbox"/> |          |            | 10356.98   | 0.0230 | P   | 1.5 |

$$y = 0.0029 * x + 3.4053E-004$$

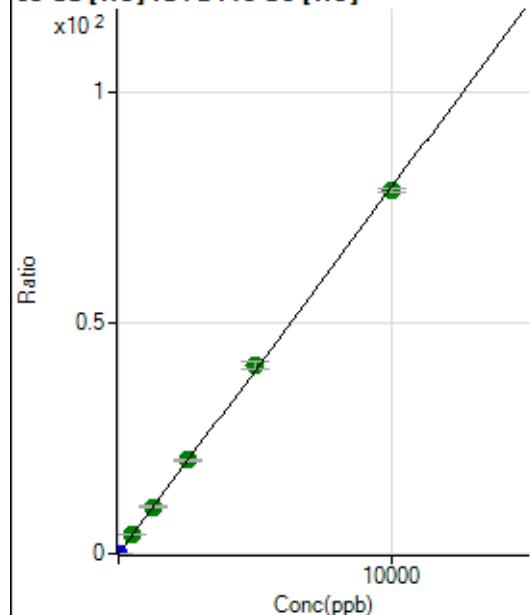
$$R = 0.9998$$

$$DL = 0.06312$$

$$BEC = 0.1193$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1200.06     | 0.0025  | P   | 3.2 |
| 2 | <input type="checkbox"/> | 2.000     | 1.941      | 8767.10     | 0.0179  | P   | 2.3 |
| 3 | <input type="checkbox"/> | 500.000   | 528.850    | 2019815.91  | 4.2081  | A   | 1.0 |
| 4 | <input type="checkbox"/> | 1250.000  | 1283.058   | 4839963.16  | 10.2059 | A   | 1.3 |
| 5 | <input type="checkbox"/> | 2500.000  | 2547.075   | 9424571.74  | 20.2579 | A   | 0.6 |
| 6 | <input type="checkbox"/> | 5000.000  | 5166.548   | 18586773.06 | 41.0891 | A   | 4.1 |
| 7 | <input type="checkbox"/> | 10000.000 | 9899.382   | 36358502.51 | 78.7266 | A   | 1.0 |
| 8 | <input type="checkbox"/> |           |            | 13096.93    | 0.0291  | P   | 4.0 |

$$y = 0.0080 * x + 0.0025$$

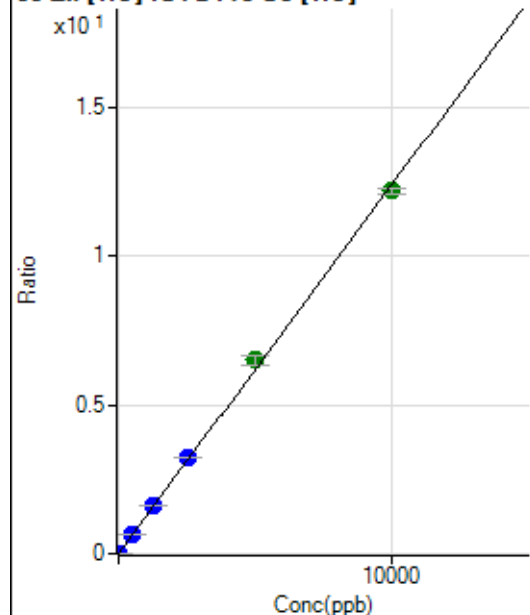
$$R = 0.9998$$

$$DL = 0.02975$$

$$BEC = 0.3102$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 451.12     | 0.0009  | P   | 7.1 |
| 2 | <input type="checkbox"/> | 2.000     | 2.130      | 1743.46    | 0.0036  | P   | 4.6 |
| 3 | <input type="checkbox"/> | 500.000   | 525.297    | 312115.25  | 0.6503  | P   | 0.2 |
| 4 | <input type="checkbox"/> | 1250.000  | 1301.765   | 763569.47  | 1.6101  | P   | 1.3 |
| 5 | <input type="checkbox"/> | 2500.000  | 2589.143   | 1489454.26 | 3.2015  | P   | 0.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 5246.373   | 2934038.91 | 6.4863  | A   | 4.2 |
| 7 | <input type="checkbox"/> | 10000.000 | 9846.792   | 5621842.76 | 12.1731 | A   | 1.5 |
| 8 | <input type="checkbox"/> |           |            | 16295.63   | 0.0362  | P   | 0.4 |

$$y = 0.0012 * x + 9.2706E-004$$

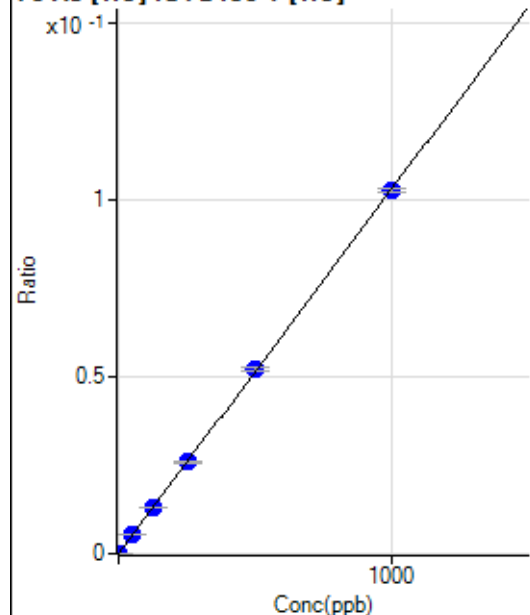
$$R = 0.9995$$

$$DL = 0.1605$$

$$BEC = 0.75$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.67      | 0.0000 | P   | 50. |
| 2 | <input type="checkbox"/> | 1.000    | 1.070      | 442.24    | 0.0001 | P   | 11. |
| 3 | <input type="checkbox"/> | 50.000   | 50.874     | 20197.17  | 0.0052 | P   | 2.4 |
| 4 | <input type="checkbox"/> | 125.000  | 125.244    | 49652.71  | 0.0129 | P   | 1.7 |
| 5 | <input type="checkbox"/> | 250.000  | 251.184    | 98237.77  | 0.0258 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 507.682    | 194558.50 | 0.0522 | P   | 2.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 995.789    | 387846.05 | 0.1024 | P   | 1.0 |
| 8 | <input type="checkbox"/> |          |            | 177.78    | 0.0000 | P   | 23. |

$$y = 1.0288E-004 * x + 1.7025E-006$$

$$R = 1.0000$$

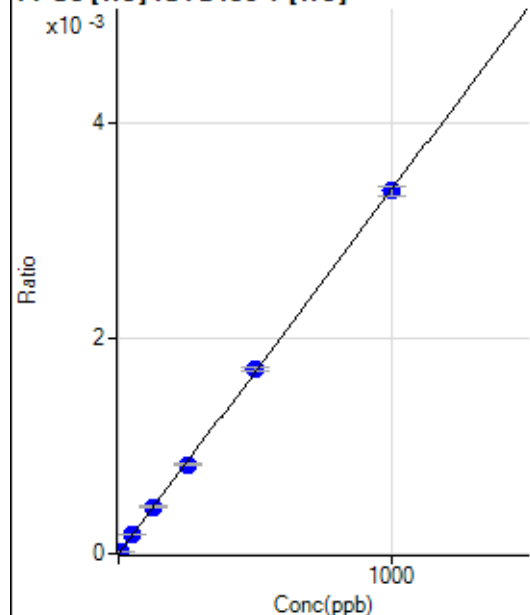
$$DL = 0.02505$$

$$BEC = 0.01655$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00     | 0.0000 | P   |     |
| 2 | <input type="checkbox"/> | 5.000    | 5.325      | 71.11    | 0.0000 | P   | 11. |
| 3 | <input type="checkbox"/> | 50.000   | 52.501     | 683.36   | 0.0002 | P   | 7.8 |
| 4 | <input type="checkbox"/> | 125.000  | 127.491    | 1657.89  | 0.0004 | P   | 5.1 |
| 5 | <input type="checkbox"/> | 250.000  | 245.553    | 3149.26  | 0.0008 | P   | 3.0 |
| 6 | <input type="checkbox"/> | 500.000  | 507.497    | 6378.10  | 0.0017 | P   | 2.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 996.925    | 12732.22 | 0.0034 | P   | 2.9 |
| 8 | <input type="checkbox"/> |          |            | 51.11    | 0.0000 | P   | 31. |

$$y = 3.3739\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

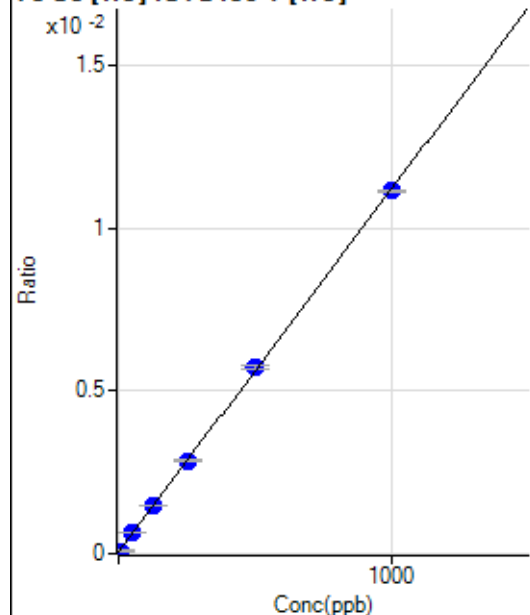
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 195.56   | 0.0000 | P   | 10. |
| 2 | <input type="checkbox"/> | 5.000    | 3.261      | 341.12   | 0.0001 | P   | 6.7 |
| 3 | <input type="checkbox"/> | 50.000   | 53.191     | 2480.23  | 0.0006 | P   | 1.0 |
| 4 | <input type="checkbox"/> | 125.000  | 129.906    | 5773.41  | 0.0015 | P   | 0.8 |
| 5 | <input type="checkbox"/> | 250.000  | 251.718    | 10857.38 | 0.0029 | P   | 2.2 |
| 6 | <input type="checkbox"/> | 500.000  | 507.532    | 21264.25 | 0.0057 | P   | 2.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 995.041    | 42193.31 | 0.0111 | P   | 0.5 |
| 8 | <input type="checkbox"/> |          |            | 385.57   | 0.0001 | P   | 3.9 |

$$y = 1.1150\text{E-}005 * x + 4.9836\text{E-}005$$

$$R = 0.9999$$

$$DL = 1.386$$

$$BEC = 4.47$$

Weight: &lt;None&gt;

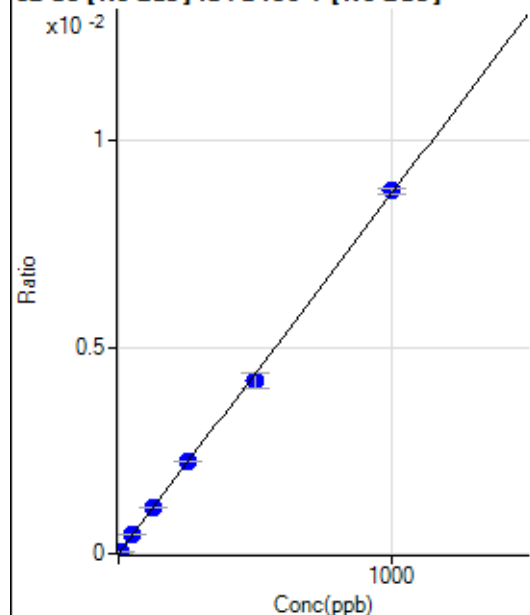
Min Conc: 0

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 26739.90 |       | P        | 1.3 |
| 2 | <input type="checkbox"/> |       |            | 26512.78 |       | P        | 1.6 |
| 3 | <input type="checkbox"/> |       |            | 26452.75 |       | P        | 1.7 |
| 4 | <input type="checkbox"/> |       |            | 25325.15 |       | P        | 1.4 |
| 5 | <input type="checkbox"/> |       |            | 25198.37 |       | P        | 2.9 |
| 6 | <input type="checkbox"/> |       |            | 25075.93 |       | P        | 2.7 |
| 7 | <input type="checkbox"/> |       |            | 25937.31 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> |       |            | 29202.35 |       | P        | 1.8 |

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|--------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 148.89 |       | P        | 20. |
| 2 | <input type="checkbox"/> |       |            | 181.12 |       | P        | 13. |
| 3 | <input type="checkbox"/> |       |            | 91.11  |       | P        | 30. |
| 4 | <input type="checkbox"/> |       |            | 86.67  |       | P        | 13. |
| 5 | <input type="checkbox"/> |       |            | 131.12 |       | P        | 29. |
| 6 | <input type="checkbox"/> |       |            | 117.78 |       | P        | 6.5 |
| 7 | <input type="checkbox"/> |       |            | 140.00 |       | P        | 13. |
| 8 | <input type="checkbox"/> |       |            | 558.90 |       | P        | 10. |

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 48.80     | 0.0000 | P   | 36. |
| 2 | <input type="checkbox"/> | 5.000    | 4.944      | 808.18    | 0.0000 | P   | 5.7 |
| 3 | <input type="checkbox"/> | 50.000   | 53.060     | 8338.77   | 0.0005 | P   | 2.4 |
| 4 | <input type="checkbox"/> | 125.000  | 129.731    | 20189.31  | 0.0011 | P   | 0.4 |
| 5 | <input type="checkbox"/> | 250.000  | 255.237    | 39825.32  | 0.0022 | P   | 0.3 |
| 6 | <input type="checkbox"/> | 500.000  | 480.496    | 77141.84  | 0.0042 | P   | 8.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 1007.699   | 152800.85 | 0.0088 | P   | 1.5 |
| 8 | <input type="checkbox"/> |          |            | 933.59    | 0.0001 | P   | 5.0 |

$$y = 8.7167\text{E-}006 * x + 2.7310\text{E-}006$$

$$R = 0.9997$$

$$DL = 0.3423$$

$$BEC = 0.3133$$

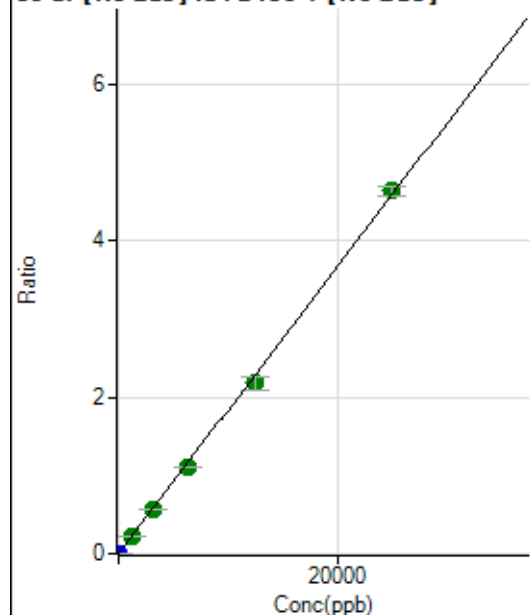
Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc. | Calc Conc. | CPS    | Ratio | Det | RSD |
|---|--------------------------|-------|------------|--------|-------|-----|-----|
| 1 | <input type="checkbox"/> |       |            | 157.78 |       | P   | 4.9 |
| 2 | <input type="checkbox"/> |       |            | 128.89 |       | P   | 23. |
| 3 | <input type="checkbox"/> |       |            | 134.45 |       | P   | 7.6 |
| 4 | <input type="checkbox"/> |       |            | 137.78 |       | P   | 18. |
| 5 | <input type="checkbox"/> |       |            | 148.89 |       | P   | 5.6 |
| 6 | <input type="checkbox"/> |       |            | 138.89 |       | P   | 2.8 |
| 7 | <input type="checkbox"/> |       |            | 182.23 |       | P   | 17. |
| 8 | <input type="checkbox"/> |       |            | 205.56 |       | P   | 6.8 |

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



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 257.78      | 0.0000 | P   | 15. |
| 2 | <input type="checkbox"/> | 1.000     | 0.924      | 3235.94     | 0.0002 | P   | 7.5 |
| 3 | <input type="checkbox"/> | 1250.000  | 1256.233   | 4127852.09  | 0.2303 | A   | 2.2 |
| 4 | <input type="checkbox"/> | 3125.000  | 3120.343   | 10188424.78 | 0.5720 | A   | 0.5 |
| 5 | <input type="checkbox"/> | 6250.000  | 6085.928   | 19946950.68 | 1.1157 | A   | 0.2 |
| 6 | <input type="checkbox"/> | 12500.000 | 11937.464  | 40294758.29 | 2.1884 | A   | 7.9 |
| 7 | <input type="checkbox"/> | 25000.000 | 25322.556  | 80722720.47 | 4.6422 | A   | 2.3 |
| 8 | <input type="checkbox"/> |           |            | 19192.56    | 0.0012 | P   | 26. |

$$y = 1.8332\text{E-}004 * x + 1.4342\text{E-}005$$

$$R = 0.9996$$

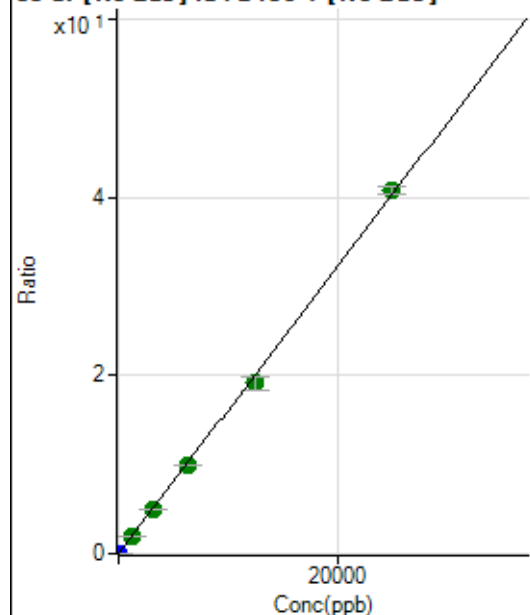
$$DL = 0.03517$$

$$BEC = 0.07823$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 201.12      | 0.0000  | P   | 19. |
| 2 | <input type="checkbox"/> | 1.000     | 0.935      | 26716.56    | 0.0015  | P   | 3.5 |
| 3 | <input type="checkbox"/> | 1250.000  | 1254.698   | 36202271.13 | 2.0198  | A   | 1.8 |
| 4 | <input type="checkbox"/> | 3125.000  | 3112.924   | 89252167.56 | 5.0112  | A   | 0.6 |
| 5 | <input type="checkbox"/> | 6250.000  | 6148.687   | 176964584.0 | 9.8981  | A   | 0.7 |
| 6 | <input type="checkbox"/> | 12500.000 | 11902.404  | 352793612.5 | 19.1605 | A   | 8.0 |
| 7 | <input type="checkbox"/> | 25000.000 | 25325.401  | 708939456.1 | 40.7687 | A   | 2.1 |
| 8 | <input type="checkbox"/> |           |            | 189261.27   | 0.0114  | P   | 42. |

$$y = 0.0016 * x + 1.1204\text{E-}005$$

$$R = 0.9996$$

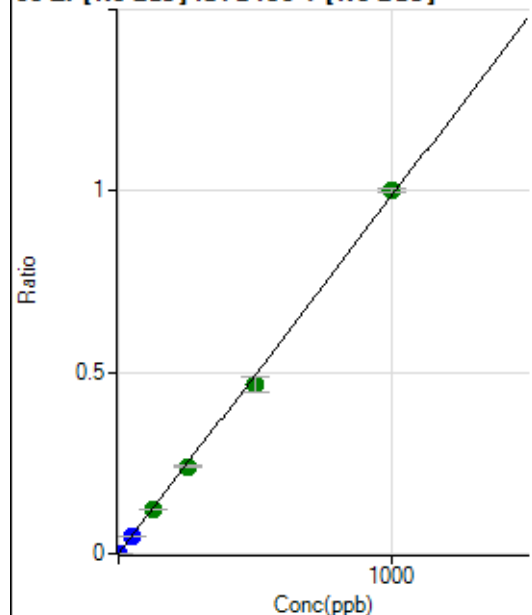
$$DL = 0.004042$$

$$BEC = 0.00696$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 660.02      | 0.0000 | P   | 6.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.870      | 15753.00    | 0.0009 | P   | 4.6 |
| 3 | <input type="checkbox"/> | 50.000   | 49.557     | 876189.33   | 0.0489 | P   | 2.0 |
| 4 | <input type="checkbox"/> | 125.000  | 125.385    | 2201902.28  | 0.1236 | A   | 0.8 |
| 5 | <input type="checkbox"/> | 250.000  | 243.437    | 4290640.87  | 0.2400 | A   | 1.5 |
| 6 | <input type="checkbox"/> | 500.000  | 474.100    | 8602425.84  | 0.4674 | A   | 8.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 1014.565   | 17392898.49 | 1.0001 | A   | 1.1 |
| 8 | <input type="checkbox"/> |          |            | 10752.07    | 0.0006 | P   | 21. |

$$y = 9.8570\text{E-}004 * x + 3.6812\text{E-}005$$

$$R = 0.9995$$

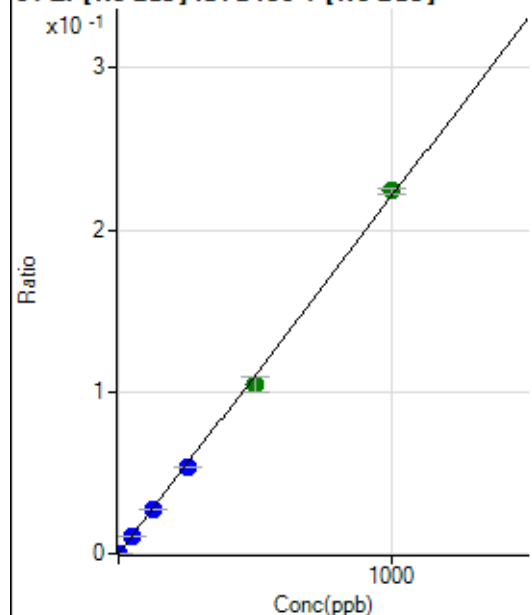
$$DL = 0.007139$$

$$BEC = 0.03735$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 117.78     | 0.0000 | P   | 21. |
| 2 | <input type="checkbox"/> | 1.000    | 0.862      | 3463.78    | 0.0002 | P   | 5.8 |
| 3 | <input type="checkbox"/> | 50.000   | 49.582     | 196098.50  | 0.0109 | P   | 2.0 |
| 4 | <input type="checkbox"/> | 125.000  | 123.737    | 486122.97  | 0.0273 | P   | 0.4 |
| 5 | <input type="checkbox"/> | 250.000  | 243.625    | 960664.21  | 0.0537 | P   | 0.8 |
| 6 | <input type="checkbox"/> | 500.000  | 472.616    | 1918682.75 | 0.1042 | A   | 8.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 1015.465   | 3894758.59 | 0.2239 | A   | 1.6 |
| 8 | <input type="checkbox"/> |          |            | 2356.06    | 0.0001 | P   | 21. |

$$y = 2.2053\text{E-}004 * x + 6.5535\text{E-}006$$

$$R = 0.9994$$

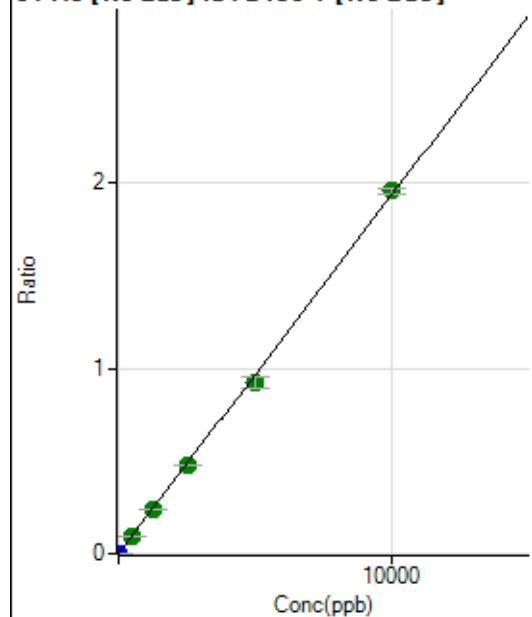
$$DL = 0.01937$$

$$BEC = 0.02972$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jt</sub>          | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 223.34      | 0.0000 | P    | 11. |
| 2 | <input type="checkbox"/> | 5.000     | 5.498      | 18953.45    | 0.0011 | P    | 3.7 |
| 3 | <input type="checkbox"/> | 500.000   | 502.881    | 1743256.59  | 0.0973 | A    | 1.3 |
| 4 | <input type="checkbox"/> | 1250.000  | 1255.918   | 4325653.23  | 0.2429 | A    | 0.6 |
| 5 | <input type="checkbox"/> | 2500.000  | 2460.657   | 8507459.18  | 0.4758 | A    | 0.6 |
| 6 | <input type="checkbox"/> | 5000.000  | 4776.982   | 17013481.97 | 0.9238 | A    | 7.5 |
| 7 | <input type="checkbox"/> | 10000.000 | 10120.461  | 34032334.21 | 1.9570 | A    | 1.5 |
| 8 | <input type="checkbox"/> |           |            | 13755.21    | 0.0008 | P    | 27. |

$$y = 1.9337E-004 * x + 1.2436E-005$$

$$R = 0.9996$$

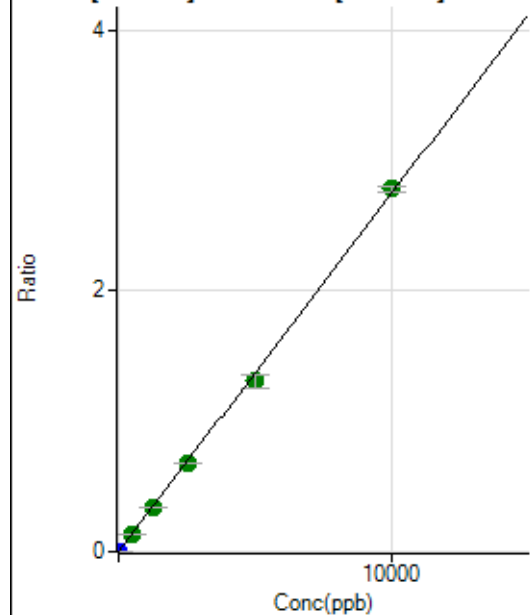
$$DL = 0.02118$$

$$BEC = 0.06431$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jt</sub>          | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 38.89       | 0.0000 | P    | 20. |
| 2 | <input type="checkbox"/> | 5.000     | 4.798      | 23263.00    | 0.0013 | P    | 2.6 |
| 3 | <input type="checkbox"/> | 500.000   | 501.717    | 2469814.51  | 0.1378 | A    | 0.7 |
| 4 | <input type="checkbox"/> | 1250.000  | 1244.011   | 6084803.94  | 0.3416 | A    | 0.1 |
| 5 | <input type="checkbox"/> | 2500.000  | 2473.683   | 12145585.37 | 0.6793 | A    | 0.1 |
| 6 | <input type="checkbox"/> | 5000.000  | 4753.826   | 24036655.75 | 1.3055 | A    | 8.1 |
| 7 | <input type="checkbox"/> | 10000.000 | 10130.329  | 48379685.94 | 2.7821 | A    | 1.8 |
| 8 | <input type="checkbox"/> |           |            | 15122.73    | 0.0009 | P    | 23. |

$$y = 2.7463E-004 * x + 2.1687E-006$$

$$R = 0.9995$$

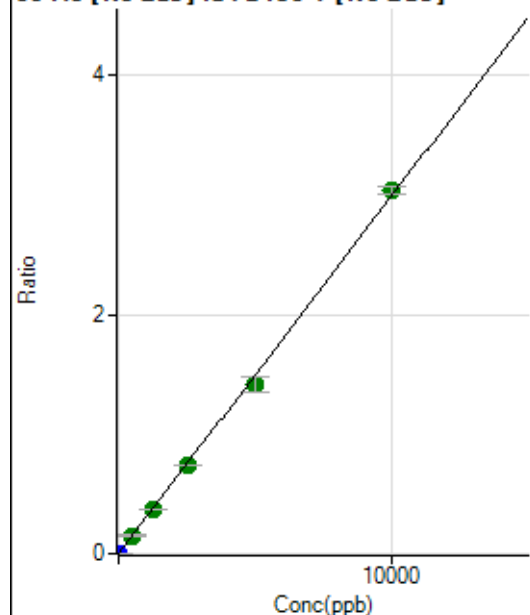
$$DL = 0.004771$$

$$BEC = 0.007897$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 113.33      | 0.0000 | P   | 26. |
| 2 | <input type="checkbox"/> | 5.000     | 4.869      | 25748.26    | 0.0015 | P   | 4.2 |
| 3 | <input type="checkbox"/> | 500.000   | 509.563    | 2729392.15  | 0.1523 | A   | 1.7 |
| 4 | <input type="checkbox"/> | 1250.000  | 1250.470   | 6655355.80  | 0.3737 | A   | 0.9 |
| 5 | <input type="checkbox"/> | 2500.000  | 2459.814   | 13141930.50 | 0.7351 | A   | 0.4 |
| 6 | <input type="checkbox"/> | 5000.000  | 4728.733   | 26007455.72 | 1.4131 | A   | 8.7 |
| 7 | <input type="checkbox"/> | 10000.000 | 10145.143  | 52719095.33 | 3.0317 | A   | 2.1 |
| 8 | <input type="checkbox"/> |           |            | 28967.53    | 0.0018 | P   | 6.7 |

$$y = 2.9883\text{E-}004 * x + 6.3370\text{E-}006$$

$$R = 0.9994$$

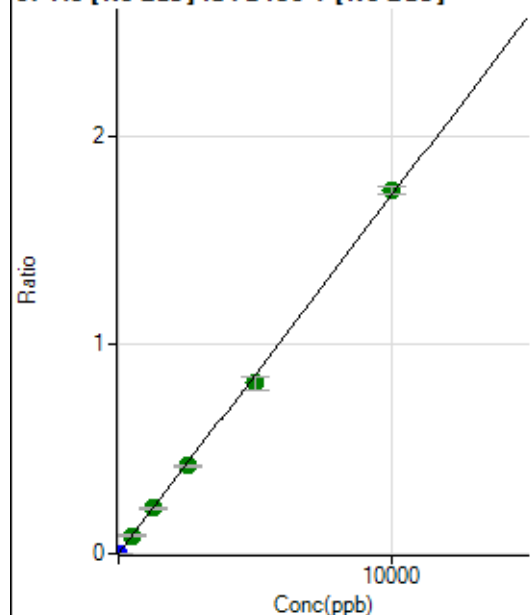
$$DL = 0.01707$$

$$BEC = 0.02121$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 22.22       | 0.0000 | P   | 22. |
| 2 | <input type="checkbox"/> | 5.000     | 4.887      | 14812.03    | 0.0008 | P   | 1.8 |
| 3 | <input type="checkbox"/> | 500.000   | 506.551    | 1558408.24  | 0.0870 | A   | 3.2 |
| 4 | <input type="checkbox"/> | 1250.000  | 1261.559   | 3856956.71  | 0.2166 | A   | 0.4 |
| 5 | <input type="checkbox"/> | 2500.000  | 2448.617   | 7514885.10  | 0.4203 | A   | 0.9 |
| 6 | <input type="checkbox"/> | 5000.000  | 4769.265   | 15073403.94 | 0.8187 | A   | 8.0 |
| 7 | <input type="checkbox"/> | 10000.000 | 10126.441  | 30226767.60 | 1.7383 | A   | 2.2 |
| 8 | <input type="checkbox"/> |           |            | 8756.94     | 0.0005 | P   | 14. |

$$y = 1.7166\text{E-}004 * x + 1.2383\text{E-}006$$

$$R = 0.9996$$

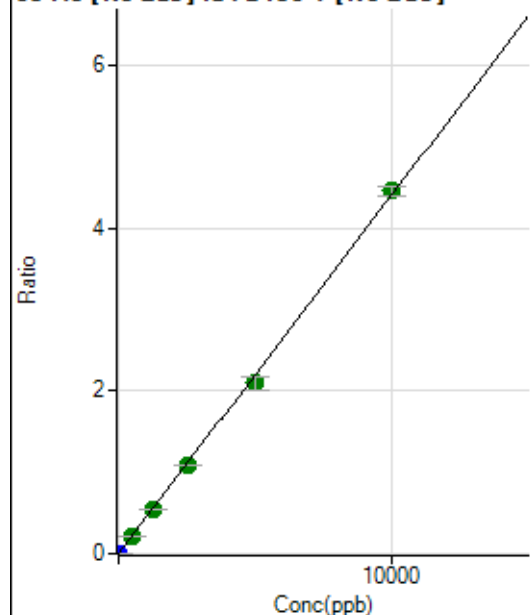
$$DL = 0.004869$$

$$BEC = 0.007214$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 52.22       | 0.0000 | P   | 40. |
| 2 | <input type="checkbox"/> | 5.000     | 4.831      | 37552.61    | 0.0021 | P   | 4.7 |
| 3 | <input type="checkbox"/> | 500.000   | 504.903    | 3988159.25  | 0.2225 | A   | 1.3 |
| 4 | <input type="checkbox"/> | 1250.000  | 1256.566   | 9862377.35  | 0.5537 | A   | 0.3 |
| 5 | <input type="checkbox"/> | 2500.000  | 2464.309   | 19415576.52 | 1.0860 | A   | 0.4 |
| 6 | <input type="checkbox"/> | 5000.000  | 4768.737   | 38700205.81 | 2.1014 | A   | 7.7 |
| 7 | <input type="checkbox"/> | 10000.000 | 10123.488  | 77570398.29 | 4.4611 | A   | 2.5 |
| 8 | <input type="checkbox"/> |           |            | 21908.66    | 0.0013 | P   | 14. |

$$y = 4.4067\text{E-}004 * x + 2.8972\text{E-}006$$

$$R = 0.9996$$

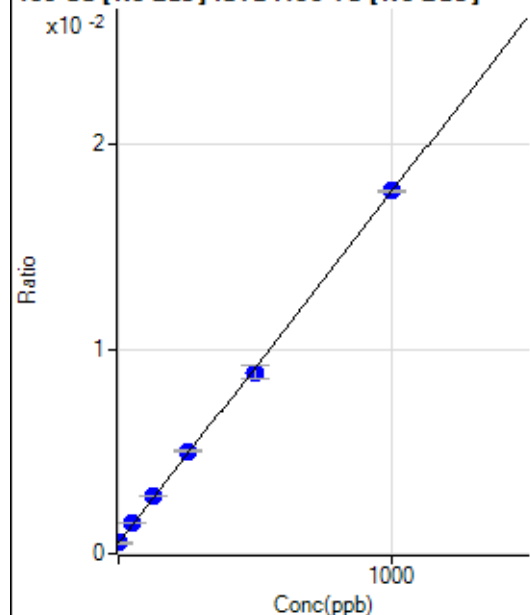
$$DL = 0.008059$$

$$BEC = 0.006574$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 7945.57   | 0.0005 | P   | 1.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.578      | 7938.91   | 0.0005 | P   | 5.8 |
| 3 | <input type="checkbox"/> | 50.000   | 55.379     | 22623.21  | 0.0015 | P   | 0.7 |
| 4 | <input type="checkbox"/> | 125.000  | 133.898    | 43558.49  | 0.0028 | P   | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 260.931    | 76971.31  | 0.0050 | P   | 2.3 |
| 6 | <input type="checkbox"/> | 500.000  | 485.809    | 143774.64 | 0.0089 | P   | 7.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.982   | 273618.79 | 0.0177 | P   | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 7818.83   | 0.0005 | P   | 1.6 |

$$y = 1.7154\text{E-}005 * x + 5.1757\text{E-}004$$

$$R = 0.9998$$

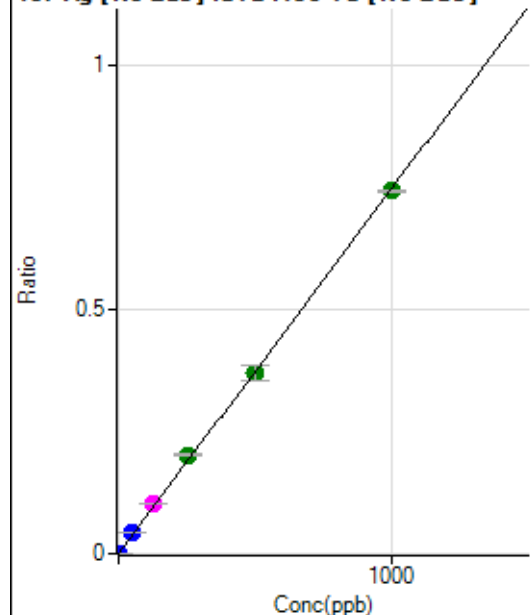
$$DL = 1.576$$

$$BEC = 30.17$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jt</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 106.67      | 0.0000 | P    | 10. |
| 2 | <input type="checkbox"/> | 1.000    | 1.050      | 11902.74    | 0.0008 | P    | 2.6 |
| 3 | <input type="checkbox"/> | 50.000   | 56.445     | 649403.67   | 0.0421 | P    | 2.9 |
| 4 | <input type="checkbox"/> | 125.000  | 137.893    | 1593251.83  | 0.1029 | M    | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 270.836    | 3116822.07  | 0.2022 | A    | 1.9 |
| 6 | <input type="checkbox"/> | 500.000  | 496.563    | 6017672.48  | 0.3707 | A    | 8.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 994.576    | 11463021.49 | 0.7425 | A    | 0.3 |
| 8 | <input type="checkbox"/> |          |            | 3440.48     | 0.0002 | P    | 15. |

$$y = 7.4653\text{E-}004 * x + 6.9452\text{E-}006$$

$$R = 0.9997$$

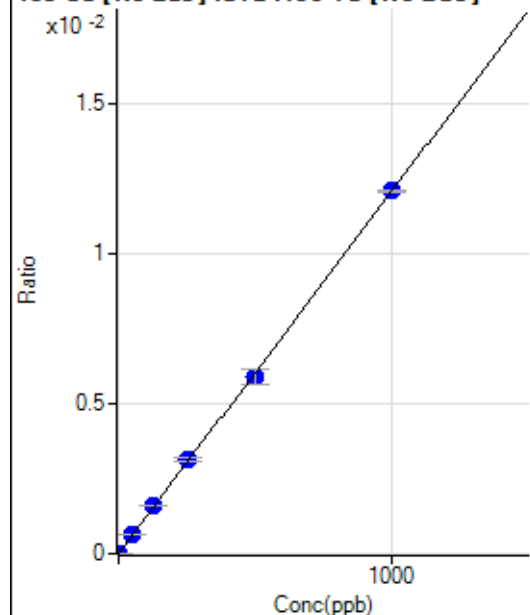
$$DL = 0.002804$$

$$BEC = 0.009303$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jt</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 23.33     | 0.0000 | P    | 62. |
| 2 | <input type="checkbox"/> | 1.000    | 0.976      | 200.00    | 0.0000 | P    | 10. |
| 3 | <input type="checkbox"/> | 50.000   | 54.468     | 10153.63  | 0.0007 | P    | 2.0 |
| 4 | <input type="checkbox"/> | 125.000  | 132.482    | 24765.65  | 0.0016 | P    | 1.8 |
| 5 | <input type="checkbox"/> | 250.000  | 260.122    | 48402.66  | 0.0031 | P    | 3.8 |
| 6 | <input type="checkbox"/> | 500.000  | 488.777    | 95793.37  | 0.0059 | P    | 8.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.923   | 186697.24 | 0.0121 | P    | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 175.56    | 0.0000 | P    | 2.3 |

$$y = 1.2068\text{E-}005 * x + 1.5183\text{E-}006$$

$$R = 0.9998$$

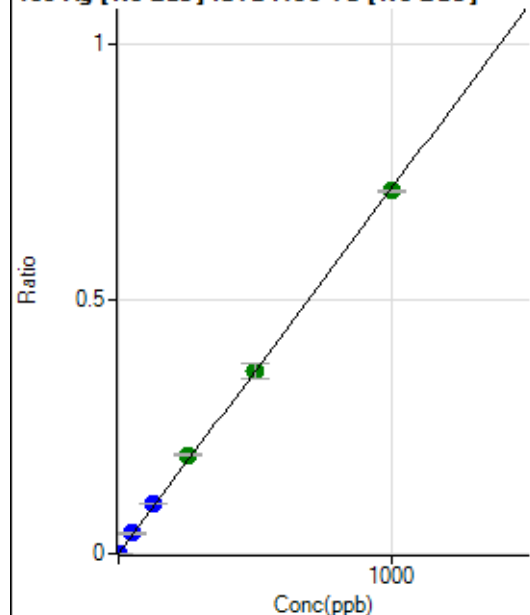
$$DL = 0.2343$$

$$BEC = 0.1258$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jt</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 42.22       | 0.0000 | P   | 20. |
| 2 | <input type="checkbox"/> | 1.000    | 1.024      | 11111.00    | 0.0007 | P   | 3.3 |
| 3 | <input type="checkbox"/> | 50.000   | 55.403     | 612866.92   | 0.0398 | P   | 3.3 |
| 4 | <input type="checkbox"/> | 125.000  | 135.986    | 1510902.31  | 0.0976 | P   | 1.0 |
| 5 | <input type="checkbox"/> | 250.000  | 269.703    | 2984507.66  | 0.1936 | A   | 2.6 |
| 6 | <input type="checkbox"/> | 500.000  | 499.964    | 5827181.30  | 0.3589 | A   | 8.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 993.449    | 11010710.11 | 0.7132 | A   | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 3220.44     | 0.0002 | P   | 13. |

$$y = 7.1790\text{E-}004 * x + 2.7526\text{E-}006$$

$$R = 0.9998$$

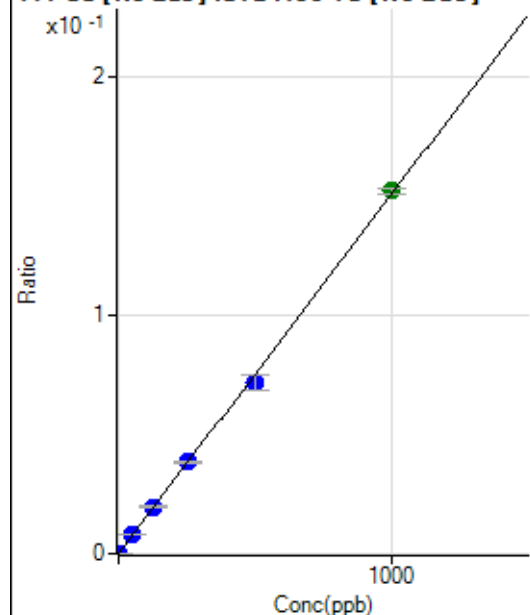
$$DL = 0.002345$$

$$BEC = 0.003834$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jt</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 790.45     | 0.0001 | P   | 0.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.058      | 3173.02    | 0.0002 | P   | 7.9 |
| 3 | <input type="checkbox"/> | 50.000   | 53.085     | 124075.71  | 0.0081 | P   | 3.0 |
| 4 | <input type="checkbox"/> | 125.000  | 130.720    | 305716.34  | 0.0198 | P   | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 255.886    | 595278.01  | 0.0386 | P   | 2.1 |
| 6 | <input type="checkbox"/> | 500.000  | 476.732    | 1167370.43 | 0.0719 | P   | 8.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 1009.293   | 2349560.28 | 0.1522 | A   | 1.8 |
| 8 | <input type="checkbox"/> |          |            | 1867.94    | 0.0001 | P   | 5.7 |

$$y = 1.5072\text{E-}004 * x + 5.1494\text{E-}005$$

$$R = 0.9996$$

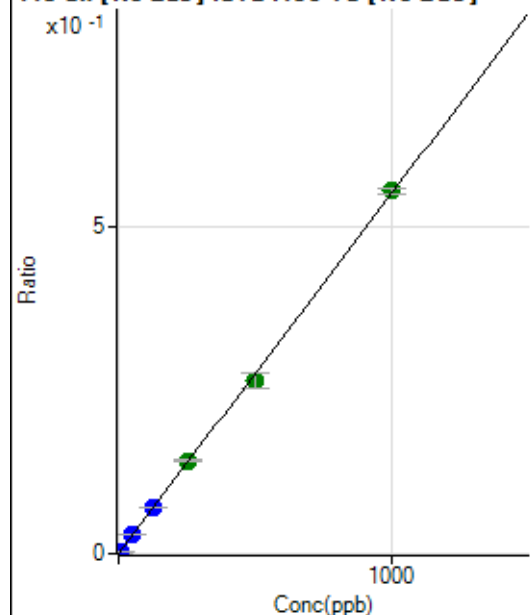
$$DL = 0.007921$$

$$BEC = 0.3417$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1220.07    | 0.0001 | P   | 3.8 |
| 2 | <input type="checkbox"/> | 5.000    | 4.856      | 41540.85   | 0.0028 | P   | 4.7 |
| 3 | <input type="checkbox"/> | 50.000   | 51.583     | 439979.89  | 0.0286 | P   | 3.2 |
| 4 | <input type="checkbox"/> | 125.000  | 127.749    | 1092622.74 | 0.0706 | P   | 1.3 |
| 5 | <input type="checkbox"/> | 250.000  | 256.576    | 2184453.72 | 0.1417 | A   | 2.2 |
| 6 | <input type="checkbox"/> | 500.000  | 481.167    | 4314113.69 | 0.2657 | A   | 8.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 1007.350   | 8586740.63 | 0.5562 | A   | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 71556.58   | 0.0050 | P   | 2.5 |

$$y = 5.5203\text{E-}004 * x + 7.9471\text{E-}005$$

$$R = 0.9997$$

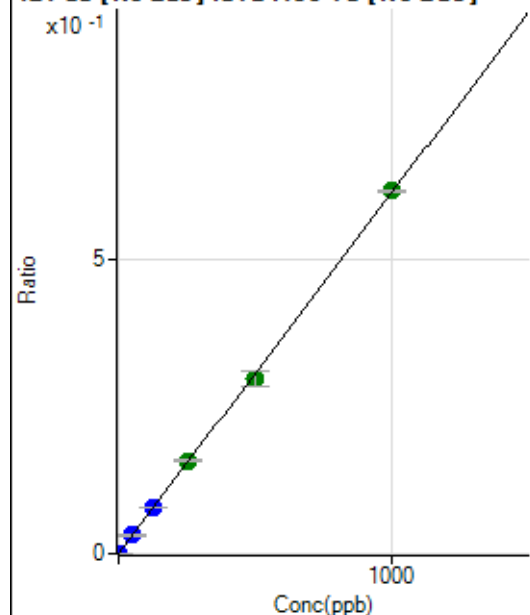
$$DL = 0.01629$$

$$BEC = 0.144$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 56.66      | 0.0000 | P   | 10. |
| 2 | <input type="checkbox"/> | 2.000    | 1.915      | 17675.41   | 0.0012 | P   | 6.3 |
| 3 | <input type="checkbox"/> | 50.000   | 51.165     | 482160.84  | 0.0313 | P   | 3.0 |
| 4 | <input type="checkbox"/> | 125.000  | 126.496    | 1197194.63 | 0.0774 | P   | 1.4 |
| 5 | <input type="checkbox"/> | 250.000  | 257.989    | 2431870.92 | 0.1578 | A   | 2.2 |
| 6 | <input type="checkbox"/> | 500.000  | 484.869    | 4813802.57 | 0.2965 | A   | 8.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 1005.323   | 9491422.43 | 0.6148 | A   | 0.3 |
| 8 | <input type="checkbox"/> |          |            | 10576.22   | 0.0007 | P   | 4.5 |

$$y = 6.1151\text{E-}004 * x + 3.6919\text{E-}006$$

$$R = 0.9998$$

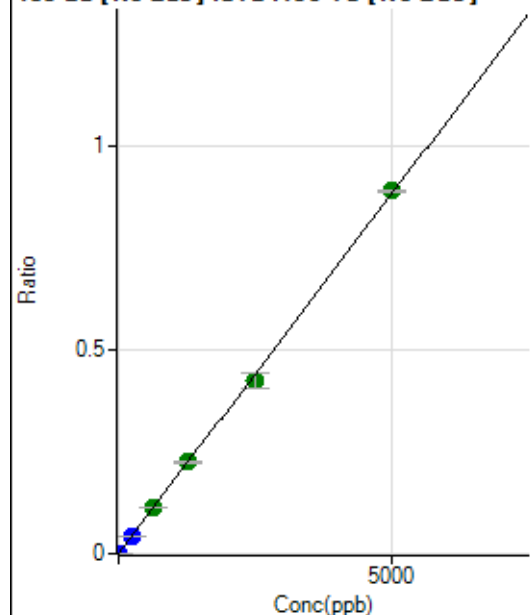
$$DL = 0.001886$$

$$BEC = 0.006037$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 36.67       | 0.0000 | P   | 24. |
| 2 | <input type="checkbox"/> | 10.000   | 9.212      | 24458.89    | 0.0016 | P   | 3.3 |
| 3 | <input type="checkbox"/> | 250.000  | 247.990    | 672867.37   | 0.0437 | P   | 3.0 |
| 4 | <input type="checkbox"/> | 625.000  | 638.952    | 1741254.59  | 0.1125 | A   | 1.5 |
| 5 | <input type="checkbox"/> | 1250.000 | 1277.912   | 3468303.49  | 0.2250 | A   | 2.7 |
| 6 | <input type="checkbox"/> | 2500.000 | 2394.229   | 6841368.23  | 0.4216 | A   | 9.0 |
| 7 | <input type="checkbox"/> | 5000.000 | 5044.266   | 13713131.60 | 0.8882 | A   | 0.9 |
| 8 | <input type="checkbox"/> |          |            | 8696.08     | 0.0006 | P   | 4.1 |

$$y = 1.7608\text{E-}004 * x + 2.3899\text{E-}006$$

$$R = 0.9997$$

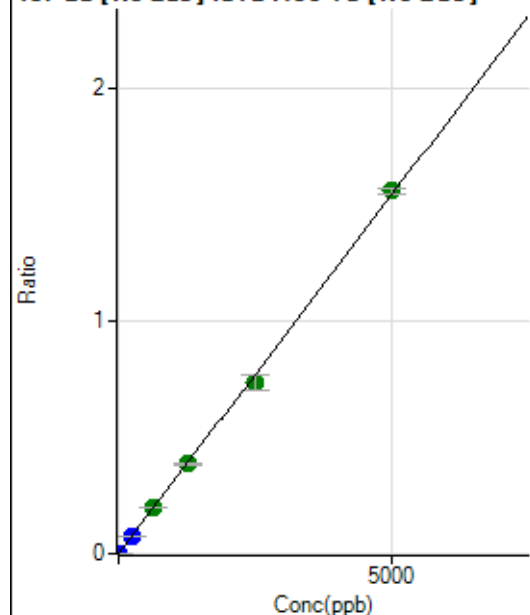
$$DL = 0.009923$$

$$BEC = 0.01357$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 35.55       | 0.0000 | P   | 19. |
| 2 | <input type="checkbox"/> | 10.000   | 9.192      | 42614.69    | 0.0028 | P   | 3.5 |
| 3 | <input type="checkbox"/> | 250.000  | 245.244    | 1162757.86  | 0.0755 | P   | 3.1 |
| 4 | <input type="checkbox"/> | 625.000  | 634.279    | 3020385.69  | 0.1952 | A   | 1.3 |
| 5 | <input type="checkbox"/> | 1250.000 | 1251.246   | 5934459.08  | 0.3850 | A   | 2.4 |
| 6 | <input type="checkbox"/> | 2500.000 | 2380.711   | 11888374.82 | 0.7325 | A   | 8.9 |
| 7 | <input type="checkbox"/> | 5000.000 | 5058.413   | 24031573.81 | 1.5565 | A   | 1.5 |
| 8 | <input type="checkbox"/> |          |            | 14852.45    | 0.0010 | P   | 3.3 |

$$y = 3.0770\text{E-}004 * x + 2.3162\text{E-}006$$

$$R = 0.9996$$

$$DL = 0.004425$$

$$BEC = 0.007527$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 14.45   |       | P        | 74. |
| 2 | <input type="checkbox"/> |       |            | 20.00   |       | P        | 57. |
| 3 | <input type="checkbox"/> |       |            | 95.56   |       | P        | 15. |
| 4 | <input type="checkbox"/> |       |            | 237.78  |       | P        | 3.5 |
| 5 | <input type="checkbox"/> |       |            | 383.34  |       | P        | 0.9 |
| 6 | <input type="checkbox"/> |       |            | 837.81  |       | P        | 4.0 |
| 7 | <input type="checkbox"/> |       |            | 1669.01 |       | P        | 2.8 |
| 8 | <input type="checkbox"/> |       |            | 404.45  |       | P        | 2.5 |

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|--------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 43. |
| 2 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 43. |
| 3 | <input type="checkbox"/> |       |            | 24.44  |       | P        | 7.9 |
| 4 | <input type="checkbox"/> |       |            | 47.78  |       | P        | 34. |
| 5 | <input type="checkbox"/> |       |            | 95.56  |       | P        | 15. |
| 6 | <input type="checkbox"/> |       |            | 183.34 |       | P        | 6.6 |
| 7 | <input type="checkbox"/> |       |            | 325.56 |       | P        | 14. |
| 8 | <input type="checkbox"/> |       |            | 191.11 |       | P        | 13. |

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 13.33   |       | P        | 25. |
| 2 | <input type="checkbox"/> |       |            | 10.00   |       | P        | 57. |
| 3 | <input type="checkbox"/> |       |            | 67.78   |       | P        | 12. |
| 4 | <input type="checkbox"/> |       |            | 125.56  |       | P        | 12. |
| 5 | <input type="checkbox"/> |       |            | 225.56  |       | P        | 2.3 |
| 6 | <input type="checkbox"/> |       |            | 480.01  |       | P        | 8.4 |
| 7 | <input type="checkbox"/> |       |            | 848.92  |       | P        | 1.6 |
| 8 | <input type="checkbox"/> |       |            | 2293.55 |       | P        | 7.6 |

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 7.78    |       | P        | 24. |
| 2 | <input type="checkbox"/> |       |            | 10.00   |       | P        | 66. |
| 3 | <input type="checkbox"/> |       |            | 56.67   |       | P        | 15. |
| 4 | <input type="checkbox"/> |       |            | 97.78   |       | P        | 32. |
| 5 | <input type="checkbox"/> |       |            | 226.67  |       | P        | 12. |
| 6 | <input type="checkbox"/> |       |            | 432.23  |       | P        | 1.9 |
| 7 | <input type="checkbox"/> |       |            | 873.37  |       | P        | 3.6 |
| 8 | <input type="checkbox"/> |       |            | 1460.09 |       | P        | 6.7 |

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

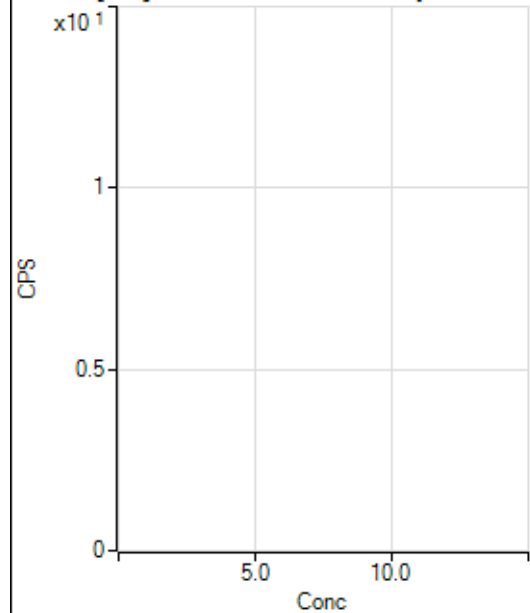
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 87.78   |       | P        | 22. |
| 2 | <input type="checkbox"/> |       |            | 84.45   |       | P        | 8.2 |
| 3 | <input type="checkbox"/> |       |            | 110.00  |       | P        | 13. |
| 4 | <input type="checkbox"/> |       |            | 158.89  |       | P        | 14. |
| 5 | <input type="checkbox"/> |       |            | 265.56  |       | P        | 14. |
| 6 | <input type="checkbox"/> |       |            | 443.34  |       | P        | 6.2 |
| 7 | <input type="checkbox"/> |       |            | 777.81  |       | P        | 8.0 |
| 8 | <input type="checkbox"/> |       |            | 2543.59 |       | P        | 6.6 |

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 444.46  |       | P        | 6.7 |
| 2 | <input type="checkbox"/> |       |            | 460.02  |       | P        | 19. |
| 3 | <input type="checkbox"/> |       |            | 477.79  |       | P        | 6.5 |
| 4 | <input type="checkbox"/> |       |            | 527.80  |       | P        | 5.7 |
| 5 | <input type="checkbox"/> |       |            | 550.02  |       | P        | 2.8 |
| 6 | <input type="checkbox"/> |       |            | 646.69  |       | P        | 5.5 |
| 7 | <input type="checkbox"/> |       |            | 881.15  |       | P        | 6.9 |
| 8 | <input type="checkbox"/> |       |            | 1917.93 |       | P        | 4.8 |

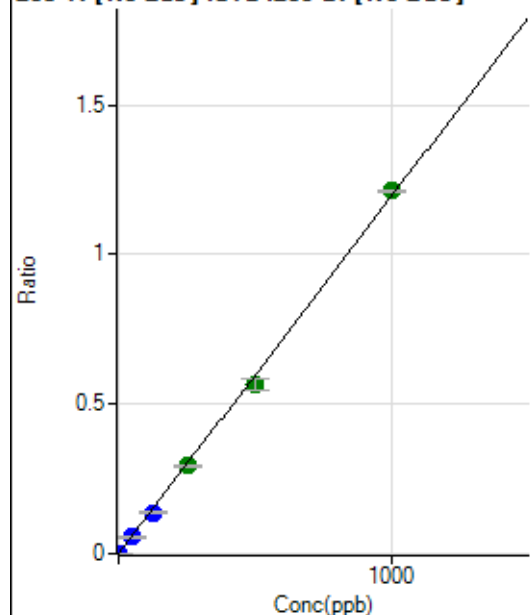
**164 Er [ No Gas ] No available calibration points**

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|--------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 102.22 |       | P        | 13. |
| 2 | <input type="checkbox"/> |       |            | 112.23 |       | P        | 4.5 |
| 3 | <input type="checkbox"/> |       |            | 107.78 |       | P        | 34. |
| 4 | <input type="checkbox"/> |       |            | 136.67 |       | P        | 4.2 |
| 5 | <input type="checkbox"/> |       |            | 166.67 |       | P        | 12. |
| 6 | <input type="checkbox"/> |       |            | 248.89 |       | P        | 17. |
| 7 | <input type="checkbox"/> |       |            | 330.01 |       | P        | 3.0 |
| 8 | <input type="checkbox"/> |       |            | 386.68 |       | P        | 9.5 |

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|--------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 56.67  |       | P        | 15. |
| 2 | <input type="checkbox"/> |       |            | 62.22  |       | P        | 16. |
| 3 | <input type="checkbox"/> |       |            | 66.66  |       | P        | 22. |
| 4 | <input type="checkbox"/> |       |            | 82.22  |       | P        | 43. |
| 5 | <input type="checkbox"/> |       |            | 83.33  |       | P        | 10. |
| 6 | <input type="checkbox"/> |       |            | 116.67 |       | P        | 14. |
| 7 | <input type="checkbox"/> |       |            | 186.67 |       | P        | 9.9 |
| 8 | <input type="checkbox"/> |       |            | 228.89 |       | P        | 6.7 |

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 133.34      | 0.0000 | P   | 17. |
| 2 | <input type="checkbox"/> | 1.000    | 0.861      | 9158.72     | 0.0010 | P   | 5.9 |
| 3 | <input type="checkbox"/> | 50.000   | 46.210     | 493483.42   | 0.0552 | P   | 2.3 |
| 4 | <input type="checkbox"/> | 125.000  | 115.093    | 1231837.48  | 0.1375 | P   | 1.6 |
| 5 | <input type="checkbox"/> | 250.000  | 246.089    | 2625463.92  | 0.2940 | A   | 1.2 |
| 6 | <input type="checkbox"/> | 500.000  | 474.318    | 5210712.73  | 0.5667 | A   | 7.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 1015.247   | 10332553.11 | 1.2130 | A   | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 2593.62     | 0.0004 | P   | 14. |

$$y = 0.0012 * x + 1.4871E-005$$

$$R = 0.9995$$

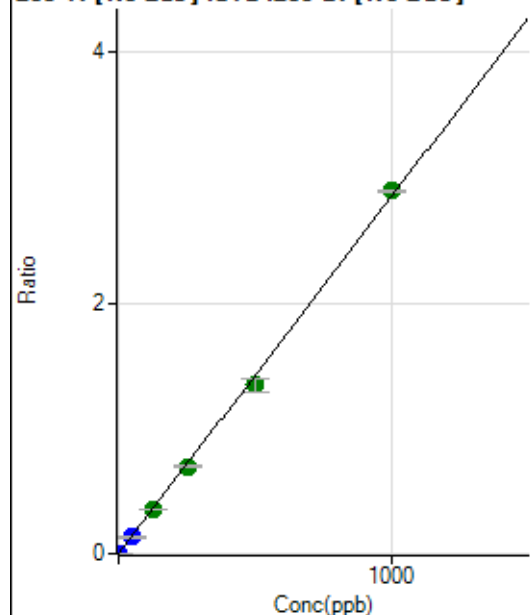
$$DL = 0.006367$$

$$BEC = 0.01245$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 383.34      | 0.0000 | P   | 15. |
| 2 | <input type="checkbox"/> | 1.000    | 0.854      | 21753.05    | 0.0025 | P   | 4.8 |
| 3 | <input type="checkbox"/> | 50.000   | 45.923     | 1169852.41  | 0.1309 | P   | 2.3 |
| 4 | <input type="checkbox"/> | 125.000  | 123.028    | 3140916.93  | 0.3507 | A   | 2.0 |
| 5 | <input type="checkbox"/> | 250.000  | 244.090    | 6211355.32  | 0.6957 | A   | 1.5 |
| 6 | <input type="checkbox"/> | 500.000  | 471.893    | 12360124.96 | 1.3449 | A   | 8.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 1015.982   | 24663832.13 | 2.8955 | A   | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 6193.74     | 0.0009 | P   | 17. |

$$y = 0.0028 * x + 4.2822E-005$$

$$R = 0.9994$$

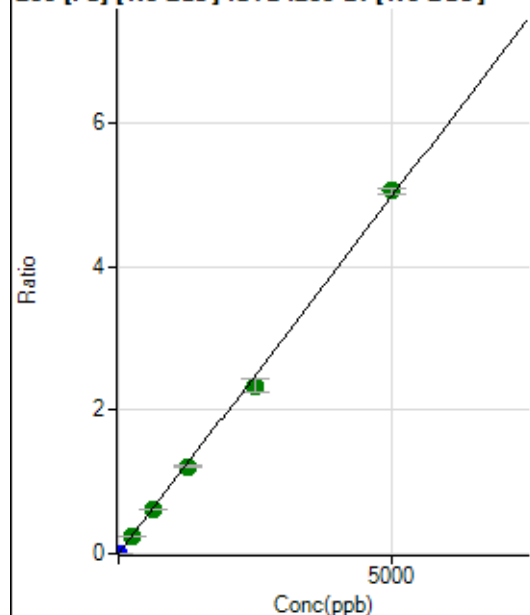
$$DL = 0.007019$$

$$BEC = 0.01503$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 316.68      | 0.0000 | P   | 11. |
| 2 | <input type="checkbox"/> | 1.000    | 0.830      | 7551.06     | 0.0009 | P   | 6.3 |
| 3 | <input type="checkbox"/> | 250.000  | 245.995    | 2185246.58  | 0.2445 | A   | 2.0 |
| 4 | <input type="checkbox"/> | 625.000  | 610.365    | 5434809.43  | 0.6067 | A   | 0.8 |
| 5 | <input type="checkbox"/> | 1250.000 | 1218.067   | 10809736.92 | 1.2107 | A   | 1.9 |
| 6 | <input type="checkbox"/> | 2500.000 | 2353.834   | 21506345.93 | 2.3396 | A   | 7.8 |
| 7 | <input type="checkbox"/> | 5000.000 | 5083.096   | 43035292.97 | 5.0524 | A   | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 222505.06   | 0.0307 | P   | 0.8 |

$$y = 9.9396E-004 * x + 3.5325E-005$$

$$R = 0.9994$$

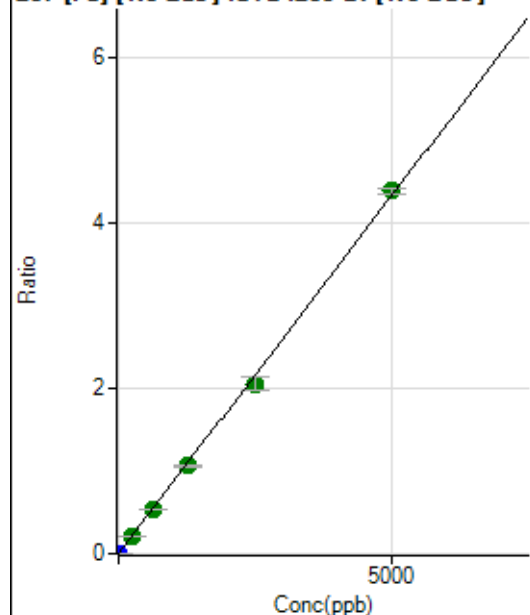
$$DL = 0.01231$$

$$BEC = 0.03554$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 273.34      | 0.0000 | P   | 4.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.843      | 6675.03     | 0.0008 | P   | 3.4 |
| 3 | <input type="checkbox"/> | 250.000  | 247.161    | 1909970.29  | 0.2137 | A   | 1.3 |
| 4 | <input type="checkbox"/> | 625.000  | 612.303    | 4742049.65  | 0.5294 | A   | 2.1 |
| 5 | <input type="checkbox"/> | 1250.000 | 1228.696   | 9485078.75  | 1.0624 | A   | 1.7 |
| 6 | <input type="checkbox"/> | 2500.000 | 2373.156   | 18863664.58 | 2.0519 | A   | 7.5 |
| 7 | <input type="checkbox"/> | 5000.000 | 5070.477   | 37343751.94 | 4.3840 | A   | 1.3 |
| 8 | <input type="checkbox"/> |          |            | 180854.63   | 0.0250 | P   | 1.2 |

$$y = 8.6460E-004 * x + 3.0503E-005$$

$$R = 0.9995$$

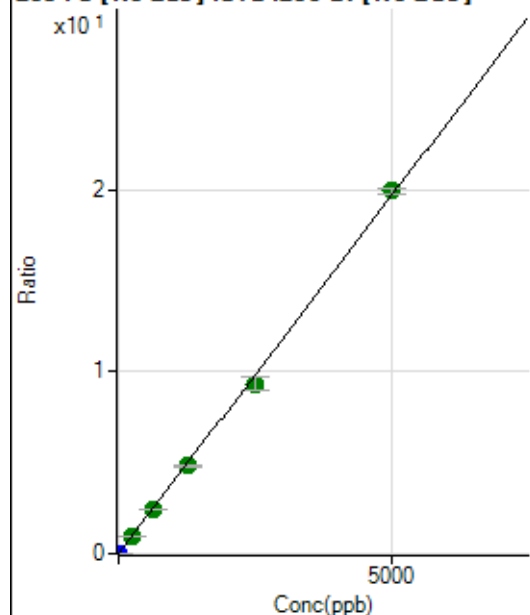
$$DL = 0.005059$$

$$BEC = 0.03528$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1247.82     | 0.0001  | P   | 3.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.846      | 30460.30    | 0.0035  | P   | 4.8 |
| 3 | <input type="checkbox"/> | 250.000  | 247.230    | 8693261.69  | 0.9728  | A   | 2.0 |
| 4 | <input type="checkbox"/> | 625.000  | 613.694    | 21629051.00 | 2.4147  | A   | 1.1 |
| 5 | <input type="checkbox"/> | 1250.000 | 1231.620   | 43265724.50 | 4.8458  | A   | 1.5 |
| 6 | <input type="checkbox"/> | 2500.000 | 2373.869   | 85848052.05 | 9.3399  | A   | 7.8 |
| 7 | <input type="checkbox"/> | 5000.000 | 5069.212   | 169883742.4 | 19.9444 | A   | 1.3 |
| 8 | <input type="checkbox"/> |          |            | 849116.95   | 0.1173  | P   | 0.9 |

$$y = 0.0039 * x + 1.3918E-004$$

$$R = 0.9995$$

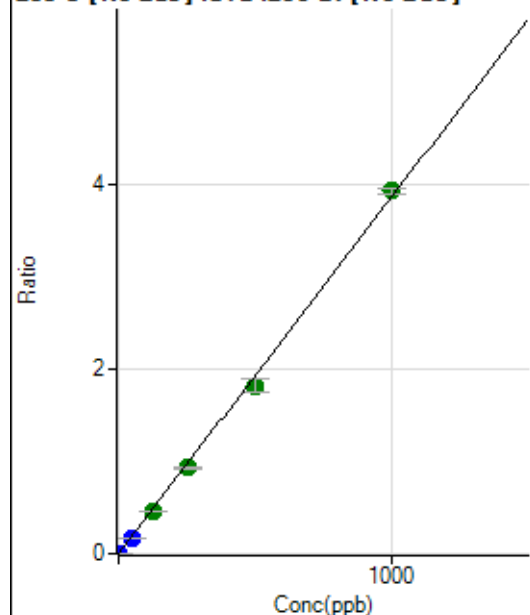
$$DL = 0.003868$$

$$BEC = 0.03538$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.67        | 0.0000 | P   | 49. |
| 2 | <input type="checkbox"/> | 1.000    | 0.807      | 27311.33    | 0.0031 | P   | 4.6 |
| 3 | <input type="checkbox"/> | 50.000   | 43.618     | 1501945.81  | 0.1681 | P   | 2.4 |
| 4 | <input type="checkbox"/> | 125.000  | 120.070    | 4144481.88  | 0.4627 | A   | 1.4 |
| 5 | <input type="checkbox"/> | 250.000  | 240.107    | 8261250.22  | 0.9253 | A   | 1.5 |
| 6 | <input type="checkbox"/> | 500.000  | 471.299    | 16697848.08 | 1.8162 | A   | 7.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 1017.759   | 33406553.11 | 3.9220 | A   | 1.3 |
| 8 | <input type="checkbox"/> |          |            | 5853.63     | 0.0008 | P   | 21. |

$$y = 0.0039 * x + 7.4096E-007$$

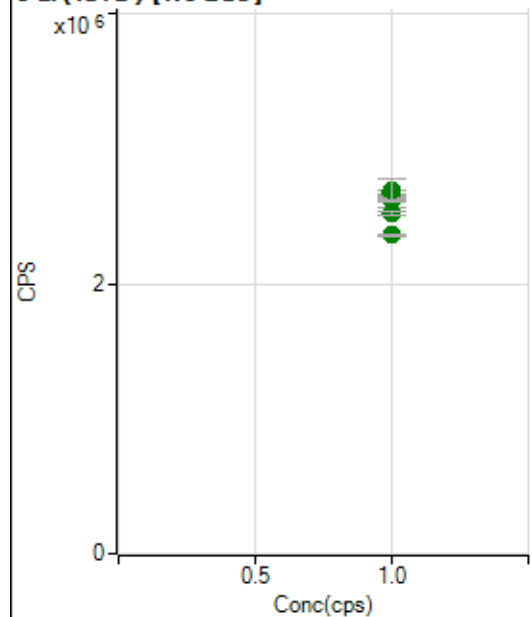
$$R = 0.9994$$

$$DL = 0.0002838$$

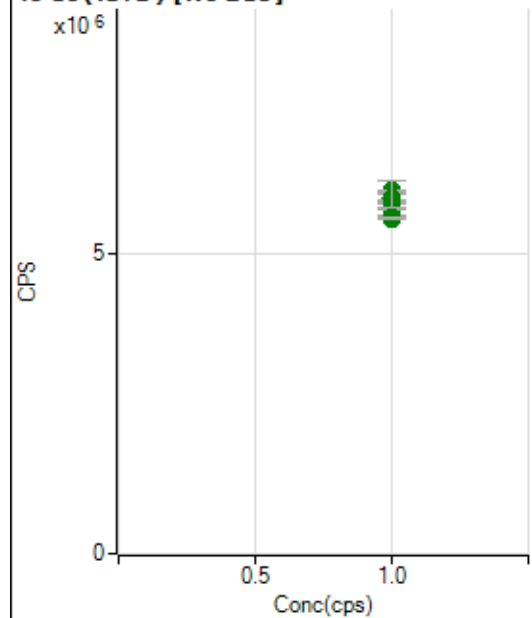
$$BEC = 0.0001923$$

Weight: &lt;None&gt;

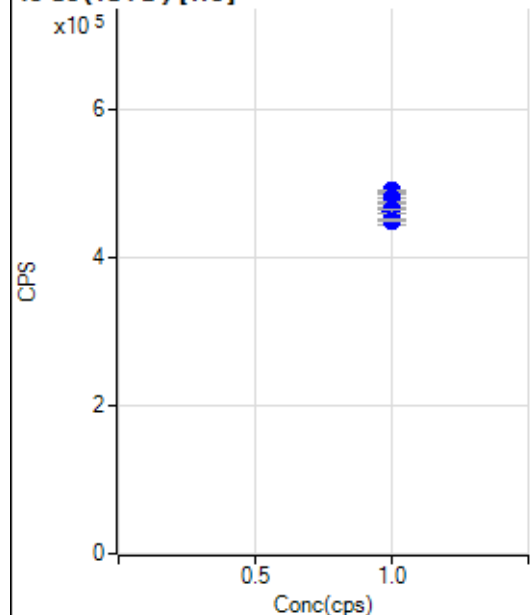
Min Conc: 0

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

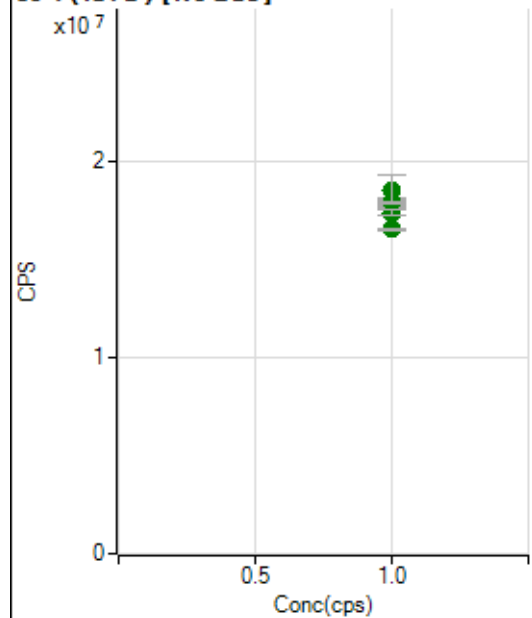
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2673200.10 |       | A    | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2615580.24 |       | A    | 4.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2656957.61 |       | A    | 3.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2669603.80 |       | A    | 2.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2621319.37 |       | A    | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2686510.46 |       | A    | 6.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2523361.25 |       | A    | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2358562.07 |       | A    | 0.7 |

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

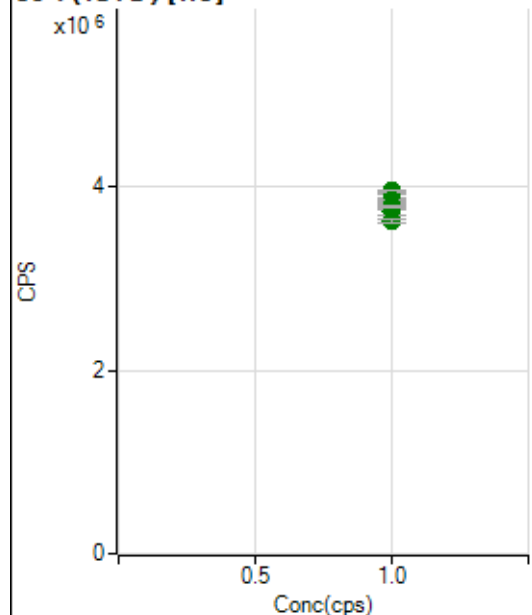
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6049357.89 |       | A    | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5889920.61 |       | A    | 4.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5925838.45 |       | A    | 2.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5888355.68 |       | A    | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5759562.48 |       | A    | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5929440.19 |       | A    | 9.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5623220.13 |       | A    | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5585756.17 |       | A    | 0.7 |

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

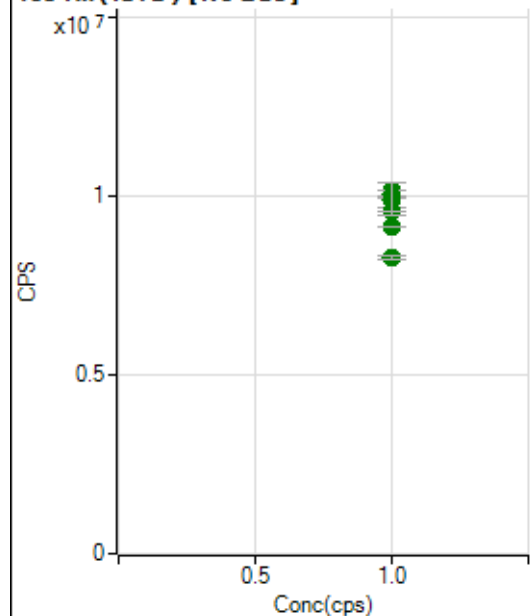
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS       | Ratio | Det | RSD |
|---|--------------------------|-------|------------|-----------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 486489.06 |       | P   | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 489758.48 |       | P   | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 479970.74 |       | P   | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 474257.17 |       | P   | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 465238.37 |       | P   | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 452777.40 |       | P   | 3.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 461853.51 |       | P   | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 450335.75 |       | P   | 0.4 |

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

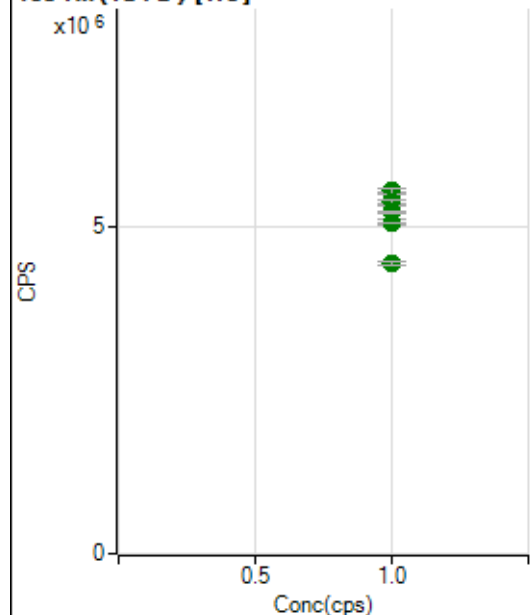
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS         | Ratio | Det | RSD |
|---|--------------------------|-------|------------|-------------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 17941921.26 |       | A   | 1.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 17639366.68 |       | A   | 4.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 17925727.79 |       | A   | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 17810570.43 |       | A   | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 17878587.93 |       | A   | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 18503813.19 |       | A   | 9.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 17392228.63 |       | A   | 1.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 16543340.03 |       | A   | 0.9 |

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

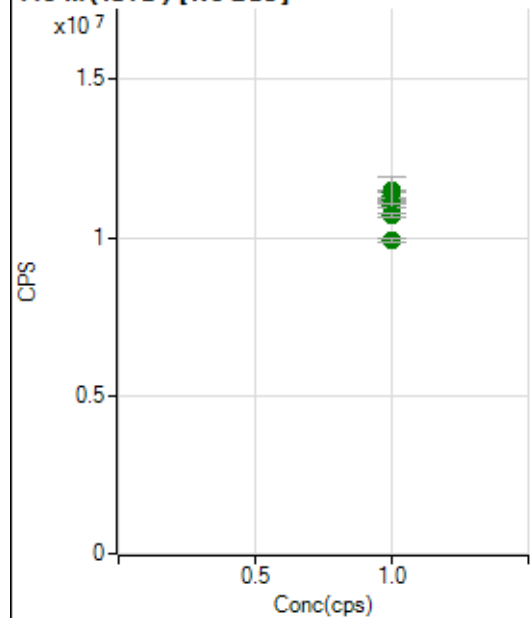
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det | RSD |
|---|--------------------------|-------|------------|------------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3922815.36 |       | A   | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3956978.97 |       | A   | 0.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3857786.68 |       | A   | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3853222.13 |       | A   | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3801202.52 |       | A   | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3725550.33 |       | A   | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3785965.53 |       | A   | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3634536.23 |       | A   | 1.1 |

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

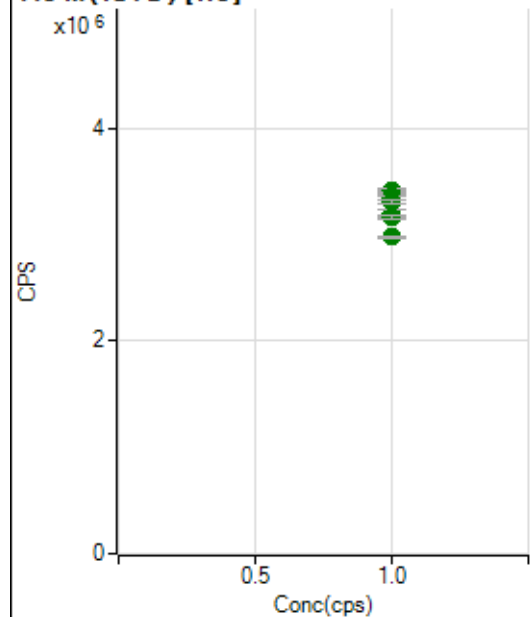
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS         | Ratio | Det | RSD |
|---|--------------------------|-------|------------|-------------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10153928.81 |       | A   | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9921481.03  |       | A   | 5.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10055776.17 |       | A   | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9989894.78  |       | A   | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9590015.00  |       | A   | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9912930.75  |       | A   | 9.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9146032.85  |       | A   | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8286842.66  |       | A   | 0.7 |

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

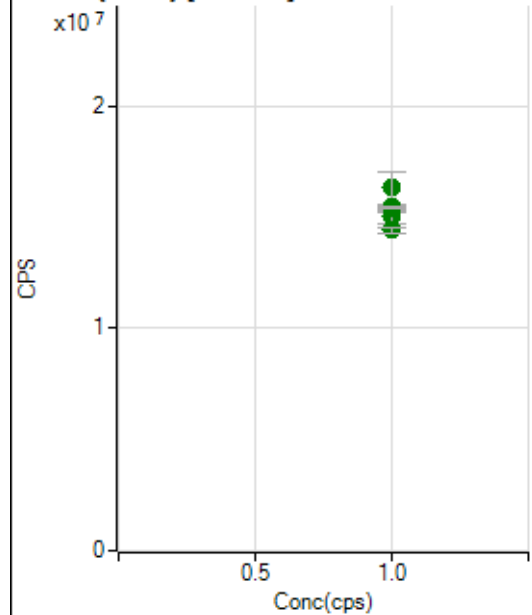
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det | RSD |
|---|--------------------------|-------|------------|------------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5529967.42 |       | A   | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5559712.21 |       | A   | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5386139.50 |       | A   | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5383823.60 |       | A   | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5240065.69 |       | A   | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5073113.25 |       | A   | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5059328.68 |       | A   | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4456307.15 |       | A   | 1.1 |

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

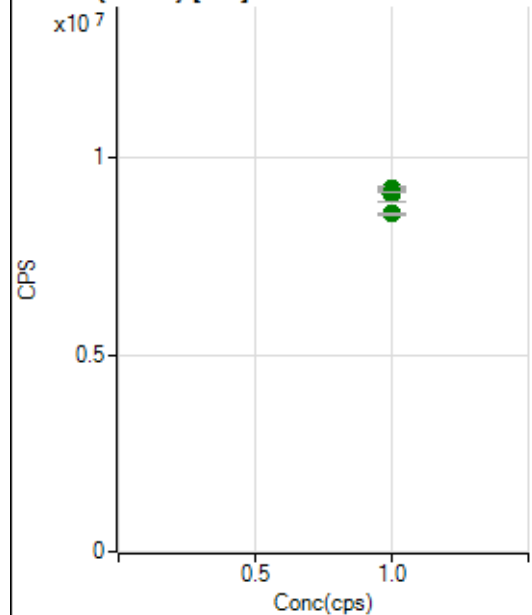
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS         | Ratio | Det | RSD |
|---|--------------------------|-------|------------|-------------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11478923.68 |       | A   | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 11170733.57 |       | A   | 4.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 11312791.24 |       | A   | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11209707.35 |       | A   | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11003343.35 |       | A   | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11428616.00 |       | A   | 8.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10710164.60 |       | A   | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9935116.31  |       | A   | 1.3 |

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

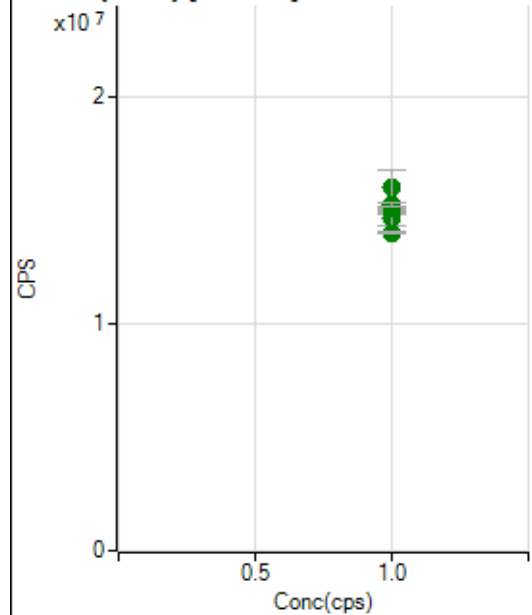
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det | RSD |
|---|--------------------------|-------|------------|------------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3405359.58 |       | A   | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3412242.39 |       | A   | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3370056.21 |       | A   | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3343953.65 |       | A   | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3303838.46 |       | A   | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3200134.99 |       | A   | 2.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3166299.13 |       | A   | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2977796.21 |       | A   | 0.9 |

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

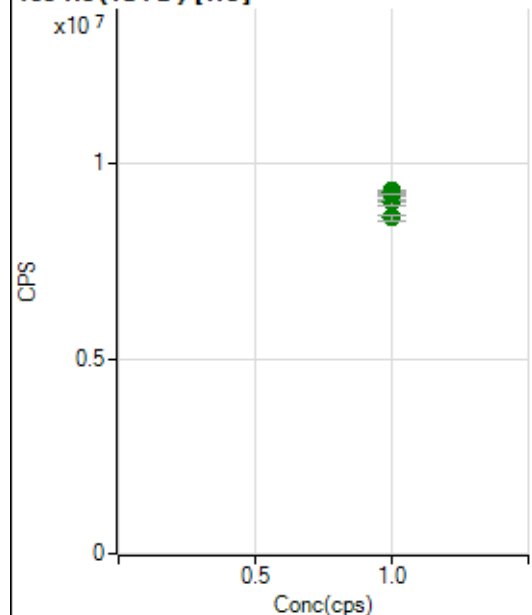
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS         | Ratio | Det | RSD |
|---|--------------------------|-------|------------|-------------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 15350779.49 |       | A   | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 15070257.14 |       | A   | 4.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 15415703.94 |       | A   | 2.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 15477436.57 |       | A   | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 15418439.08 |       | A   | 1.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 16316130.03 |       | A   | 9.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 15438712.13 |       | A   | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 14432114.65 |       | A   | 1.7 |

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

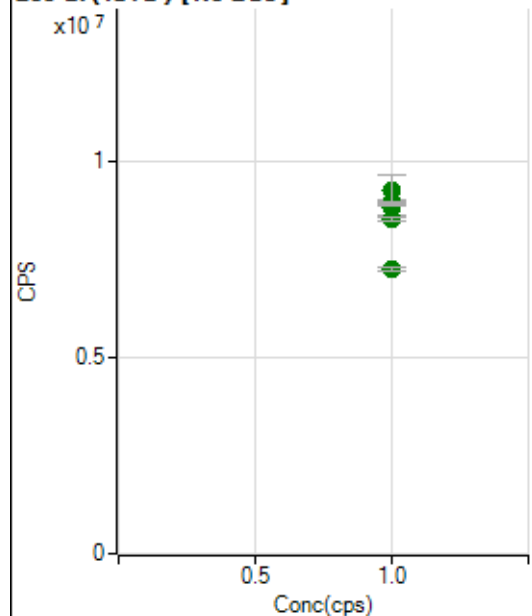
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det | RSD |
|---|--------------------------|-------|------------|------------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9155408.41 |       | A   | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9195190.63 |       | A   | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9186553.27 |       | A   | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9213448.06 |       | A   | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9208722.64 |       | A   | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9079749.66 |       | A   | 4.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9127280.49 |       | A   | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8579530.36 |       | A   | 0.9 |

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

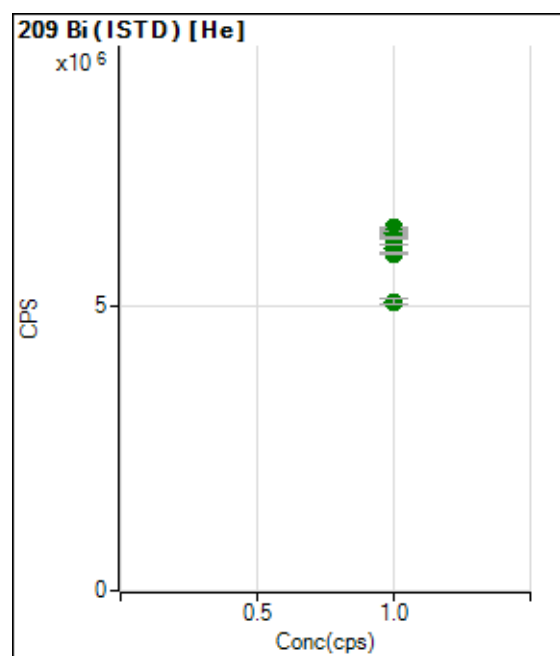
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS         | Ratio | Det | RSD |
|---|--------------------------|-------|------------|-------------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 14894480.89 |       | A   | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 14682309.64 |       | A   | 4.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 15043216.86 |       | A   | 1.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 15179421.72 |       | A   | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 15066390.89 |       | A   | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 15988982.95 |       | A   | 10. |
| 7 | <input type="checkbox"/> | 1.000 |            | 15261983.66 |       | A   | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 14020594.93 |       | A   | 0.7 |

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

|   | Rjct                     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9307109.24 |       | A    | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9286457.78 |       | A    | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9054791.33 |       | A    | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9237300.63 |       | A    | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9199835.49 |       | A    | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9005583.48 |       | A    | 1.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9224356.74 |       | A    | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8616863.42 |       | A    | 1.5 |

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

|   | Rjct                     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8962736.12 |       | A    | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8794609.94 |       | A    | 4.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8937907.44 |       | A    | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8958004.87 |       | A    | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8929339.87 |       | A    | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9232633.20 |       | A    | 8.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8518198.90 |       | A    | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7241583.85 |       | A    | 1.3 |



|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6322470.46 |       | A        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6368721.71 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6236586.30 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6272688.03 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6190175.53 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6004581.02 |       | A        | 2.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5923025.75 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5076220.17 |       | A        | 1.7 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7091823-MS.b  
Acq. Date-Time 2023-09-18 12:47:55  
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    |              | 8399   | 83992.74   |                            |             | 1.832  | 5.000           |
| 24   |              | 340430 | 3404299.17 |                            |             | 1.236  | 5.000           |
| 25   |              | 44603  | 446027.13  |                            |             | 1.159  | 5.000           |
| 26   |              | 51442  | 514416.64  |                            |             | 1.432  | 5.000           |
| 59   |              | 79010  | 790103.47  |                            |             | 1.479  | 5.000           |
| 113  |              | 12261  | 122606.91  |                            |             | 1.866  | 5.000           |
| 115  |              | 152567 | 1525668.78 |                            |             | 2.464  | 5.000           |
| 206  |              | 85387  | 853872.79  |                            |             | 3.458  | 5.000           |
| 207  |              | 74527  | 745271.36  |                            |             | 1.537  | 5.000           |
| 208  |              | 195549 | 1955493.65 |                            |             | 1.613  | 5.000           |
| 220  |              | 0      | 2.20       |                            |             | 25.913 |                 |

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

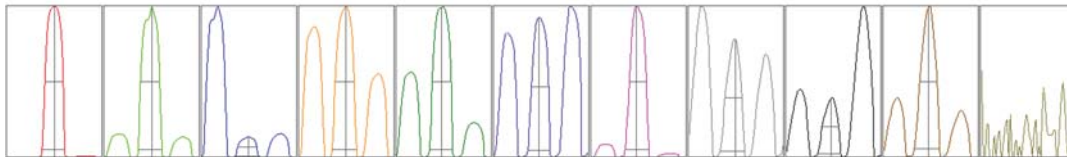
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 8590        | 8460        | 8387        | 8166        | 8394        |
| 24   | 346842      | 339854      | 340452      | 335033      | 339968      |
| 25   | 45060       | 44759       | 44477       | 43767       | 44951       |
| 26   | 52407       | 51539       | 51310       | 50353       | 51599       |
| 59   | 80703       | 79056       | 78301       | 77611       | 79381       |
| 113  | 12595       | 12289       | 12133       | 11981       | 12306       |
| 115  | 159027      | 151856      | 152041      | 149525      | 150385      |
| 206  | 90466       | 84303       | 84084       | 82907       | 85176       |
| 207  | 76213       | 74215       | 74459       | 73022       | 74727       |
| 208  | 199162      | 195720      | 195268      | 190596      | 197002      |

# 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    | 15182.84    | 9.05   | 8.90 - 9.10     |             |
| 24   | 604535.11   | 24.05  | 23.90 - 24.10   |             |
| 25   | 79099.74    | 25.00  | 24.90 - 25.10   |             |
| 26   | 91384.41    | 26.00  | 25.90 - 26.10   |             |
| 59   | 138059.65   | 58.95  | 58.90 - 59.10   |             |
| 113  | 23582.42    | 112.95 | 112.90 - 113.10 |             |
| 115  | 294385.14   | 114.95 | 114.90 - 115.10 |             |
| 206  | 168180.64   | 206.00 | 205.90 - 206.10 |             |
| 207  | 147435.86   | 206.95 | 206.90 - 207.10 |             |
| 208  | 375117.13   | 207.95 | 207.90 - 208.10 |             |
| 220  |             |        | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.57  | 0.689 | 0.900           |             |
| 24   | 0.59  | 0.740 | 0.900           |             |
| 25   | 0.58  | 0.726 | 0.900           |             |
| 26   | 0.59  | 0.775 | 0.900           |             |
| 59   | 0.59  | 0.737 | 0.900           |             |
| 113  | 0.53  | 0.705 | 0.900           |             |
| 115  | 0.52  | 0.761 | 0.900           |             |
| 206  | 0.53  | 0.777 | 0.900           |             |
| 207  | 0.53  | 0.732 | 0.900           |             |
| 208  | 0.54  | 0.804 | 0.900           |             |
| 220  |       |       |                 |             |

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    | 9.1 V | Deflect    | 14.8 V |
| Extract 2  | -135.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -70 V    | Cell Exit     | -50 V |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 5.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 190 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 131 | Axis Gain   | 0.9970 | QP Bias | -3.0 V |
| Mass Offset | 131 | Axis Offset | 0.18   |         |        |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -1.0 mm | Torch V | 0.9 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.7 mV | Analog HV | 2270 V | Pulse HV | 1376 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count  | CPS        | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|--------|------------|----------------------------|-------------|-------|-----------------|
| 59   |              | 25629  | 256285.08  |                            |             | 0.610 |                 |
| 89   |              | 289689 | 2896885.29 |                            |             | 1.010 |                 |
| 205  |              | 69014  | 690137.00  |                            |             | 0.828 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 25764       | 25598       | 25817       | 25488       | 25476       |
| 89   | 292299      | 289908      | 292789      | 287031      | 286415      |
| 205  | 68803       | 68692       | 70033       | 68790       | 68750       |

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 | 9.0 V | Deflect | 2.2 V |
|-----------|-------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -120.0 V | Cell Entrance | -40 V | Plate Bias | -60 V |
| Omega Bias | -60 V    | Cell Exit     | -60 V |            |       |

## Cell Parameters

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

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 131 | Axis Gain   | 0.9970 | QP Bias | -13.0 V |
| Mass Offset | 131 | Axis Offset | 0.18   |         |         |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -1.0 mm | Torch V | 0.9 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.7 mV | Analog HV | 2270 V | Pulse HV | 1376 V |
|---------------|--------|-----------|--------|----------|--------|