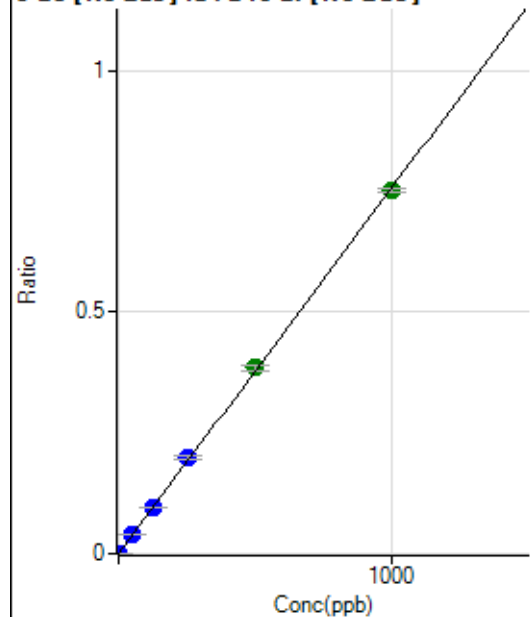


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8122222-MS.b\  
Analysis File: P8122222-MS.batch.bin  
DA Date-Time: 2022-12-23 00:07:06  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2022-12-22 15:22:46 |
| 2     | 005CALS.d          | S02         | 2022-12-22 15:25:58 |
| 3     | 006CALS.d          | S03         | 2022-12-22 15:29:11 |
| 4     | 007CALS.d          | S04         | 2022-12-22 15:32:18 |
| 5     | 008CALS.d          | S05         | 2022-12-22 15:35:27 |
| 6     | 009CALS.d          | S06         | 2022-12-22 15:38:33 |
| 7     | 010CALS.d          | S07         | 2022-12-22 15:41:42 |
| 8     | 011CALS.d          | S08         | 2022-12-22 15:44:48 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 65.41      | 0.0000 | P    | 5.6  |
| 2 | <input type="checkbox"/> | 1.000    | 1.040      | 2498.24    | 0.0008 | P    | 0.9  |
| 3 | <input type="checkbox"/> | 50.000   | 51.144     | 121662.06  | 0.0387 | P    | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 126.861    | 300104.90  | 0.0959 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 261.483    | 603226.00  | 0.1977 | P    | 3.7  |
| 6 | <input type="checkbox"/> | 500.000  | 507.889    | 1166197.80 | 0.3839 | A    | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.895    | 2202322.42 | 0.7505 | A    | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 799.93     | 0.0003 | P    | 15.9 |

$$y = 7.5589\text{E-}004 * x + 2.0647\text{E-}005$$

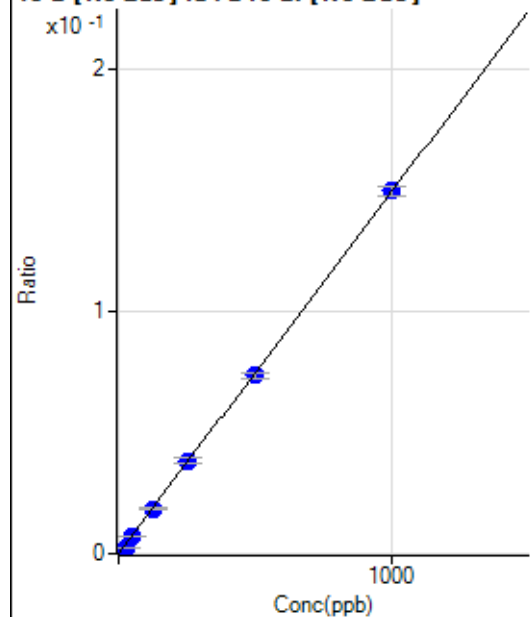
$$R = 0.9999$$

$$DL = 0.004628$$

$$BEC = 0.02732$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 282.62    | 0.0001 | P    | 1.7  |
| 2 | <input type="checkbox"/> | 25.000   | 15.940     | 7639.17   | 0.0025 | P    | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 47.775     | 22698.38  | 0.0072 | P    | 3.4  |
| 4 | <input type="checkbox"/> | 125.000  | 122.775    | 57565.47  | 0.0184 | P    | 4.4  |
| 5 | <input type="checkbox"/> | 250.000  | 256.109    | 116850.31 | 0.0383 | P    | 5.7  |
| 6 | <input type="checkbox"/> | 500.000  | 491.733    | 223138.15 | 0.0735 | P    | 2.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.222   | 439457.74 | 0.1498 | P    | 2.7  |
| 8 | <input type="checkbox"/> |          |            | 33108.19  | 0.0118 | P    | 11.7 |

$$y = 1.4920\text{E-}004 * x + 8.9221\text{E-}005$$

$$R = 0.9999$$

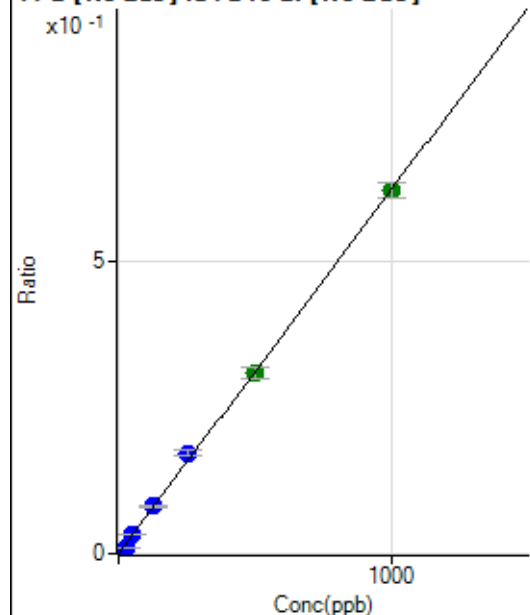
$$DL = 0.03122$$

$$BEC = 0.598$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1229.15    | 0.0004 | P    | 6.7  |
| 2 | <input type="checkbox"/> | 25.000   | 16.829     | 33645.81   | 0.0109 | P    | 1.7  |
| 3 | <input type="checkbox"/> | 50.000   | 51.467     | 102008.92  | 0.0324 | P    | 4.1  |
| 4 | <input type="checkbox"/> | 125.000  | 129.976    | 254280.86  | 0.0813 | P    | 5.7  |
| 5 | <input type="checkbox"/> | 250.000  | 275.360    | 524174.11  | 0.1718 | P    | 5.9  |
| 6 | <input type="checkbox"/> | 500.000  | 493.869    | 934889.70  | 0.3079 | A    | 6.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.234    | 1821169.52 | 0.6207 | A    | 4.3  |
| 8 | <input type="checkbox"/> |          |            | 147620.59  | 0.0524 | P    | 10.7 |

$$y = 6.2264E-004 * x + 3.8799E-004$$

$$R = 0.9995$$

$$DL = 0.1258$$

$$BEC = 0.6231$$

Weight: &lt;None&gt;

Min Conc: 0

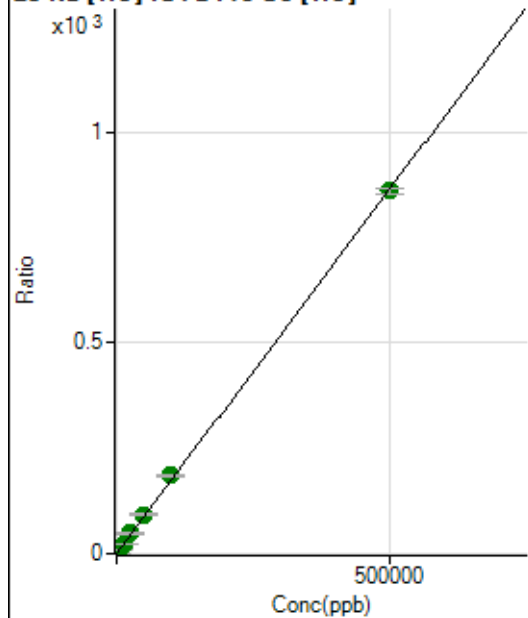
12 C [No Gas] No available calibration points



|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> |       |            | 4523168.63 |       | A    | 1.1 |
| 2 | <input type="checkbox"/> |       |            | 4917244.68 |       | A    | 1.3 |
| 3 | <input type="checkbox"/> |       |            | 5455801.68 |       | A    | 2.7 |
| 4 | <input type="checkbox"/> |       |            | 5647152.43 |       | A    | 2.4 |
| 5 | <input type="checkbox"/> |       |            | 5715385.46 |       | A    | 2.1 |
| 6 | <input type="checkbox"/> |       |            | 5877992.41 |       | A    | 2.6 |
| 7 | <input type="checkbox"/> |       |            | 5831711.11 |       | A    | 1.9 |
| 8 | <input type="checkbox"/> |       |            | 5225994.69 |       | A    | 1.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 50573.70 |       | P        | 1.0 |
| 2 | <input type="checkbox"/> |       |            | 56408.91 |       | P        | 0.8 |
| 3 | <input type="checkbox"/> |       |            | 64924.31 |       | P        | 1.7 |
| 4 | <input type="checkbox"/> |       |            | 66486.87 |       | P        | 1.4 |
| 5 | <input type="checkbox"/> |       |            | 67851.28 |       | P        | 0.3 |
| 6 | <input type="checkbox"/> |       |            | 70190.22 |       | P        | 1.7 |
| 7 | <input type="checkbox"/> |       |            | 69207.91 |       | P        | 2.1 |
| 8 | <input type="checkbox"/> |       |            | 64432.97 |       | P        | 1.0 |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 22929.59    | 0.1729   | P        | 2.7 |
| 2 | <input type="checkbox"/> | 500.000   | 493.014    | 133893.32   | 1.0247   | P        | 4.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5560.529   | 1287422.04  | 9.7796   | A        | 2.2 |
| 4 | <input type="checkbox"/> | 12500.000 | 13634.700  | 3105073.44  | 23.7288  | A        | 2.0 |
| 5 | <input type="checkbox"/> | 25000.000 | 27761.915  | 6178276.88  | 48.1356  | A        | 1.8 |
| 6 | <input type="checkbox"/> | 50000.000 | 53616.106  | 12171470.93 | 92.8025  | A        | 3.8 |
| 7 | <input type="checkbox"/> | 100000.00 | 107252.29  | 24294223.46 | 185.4667 | A        | 2.5 |
| 8 | <input type="checkbox"/> | 500000.00 | 498015.87  | 109853458.0 | 860.5668 | A        | 1.6 |

$$y = 0.0017 * x + 0.1729$$

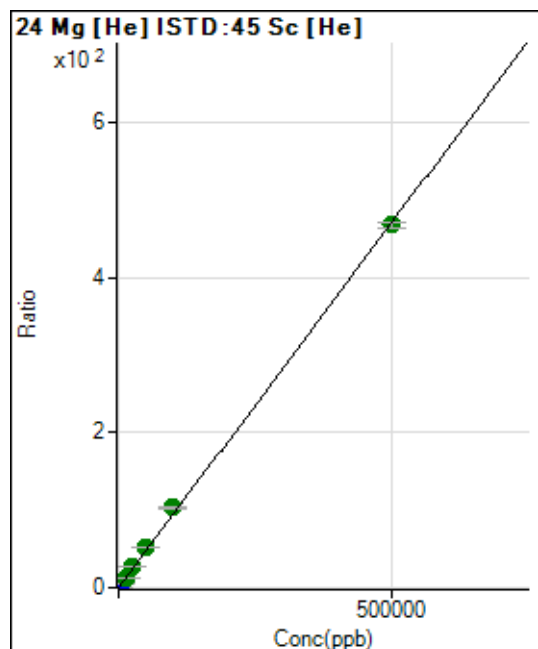
$$R = 0.9999$$

$$DL = 8.13$$

$$BEC = 100.1$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 327.79      | 0.0025   | P    | 24.3 |
| 2 | <input type="checkbox"/> | 500.000   | 503.068    | 62189.12    | 0.4758   | P    | 2.5  |
| 3 | <input type="checkbox"/> | 5000.000  | 5670.317   | 702577.40   | 5.3371   | P    | 2.9  |
| 4 | <input type="checkbox"/> | 12500.000 | 14288.123  | 1759248.52  | 13.4448  | A    | 0.9  |
| 5 | <input type="checkbox"/> | 25000.000 | 28530.709  | 3445590.53  | 26.8443  | A    | 1.6  |
| 6 | <input type="checkbox"/> | 50000.000 | 55271.573  | 6818843.64  | 52.0022  | A    | 3.6  |
| 7 | <input type="checkbox"/> | 100000.00 | 109471.36  | 13491342.84 | 102.9935 | A    | 2.3  |
| 8 | <input type="checkbox"/> | 500000.00 | 497350.62  | 59728465.92 | 467.9117 | A    | 1.8  |

$$y = 9.4080\text{E-}004 * x + 0.0025$$

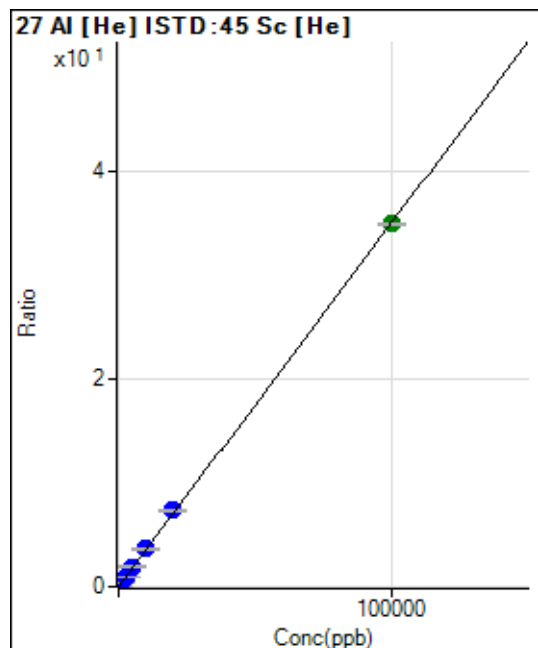
$$R = 0.9998$$

$$DL = 1.917$$

$$BEC = 2.635$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 67.36      | 0.0005  | P    | 5.4 |
| 2 | <input type="checkbox"/> | 20.000    | 20.472     | 1005.12    | 0.0077  | P    | 4.4 |
| 3 | <input type="checkbox"/> | 1000.000  | 1085.934   | 50194.76   | 0.3813  | P    | 1.2 |
| 4 | <input type="checkbox"/> | 2500.000  | 2668.697   | 122503.21  | 0.9363  | P    | 1.5 |
| 5 | <input type="checkbox"/> | 5000.000  | 5499.144   | 247552.90  | 1.9288  | P    | 2.2 |
| 6 | <input type="checkbox"/> | 10000.000 | 10309.404  | 474167.00  | 3.6155  | P    | 2.7 |
| 7 | <input type="checkbox"/> | 20000.000 | 20922.011  | 961063.87  | 7.3368  | P    | 2.2 |
| 8 | <input type="checkbox"/> | 100000.00 | 99754.623  | 4466032.30 | 34.9793 | A    | 0.7 |

$$y = 3.5065\text{E-}004 * x + 5.0821\text{E-}004$$

$$R = 1.0000$$

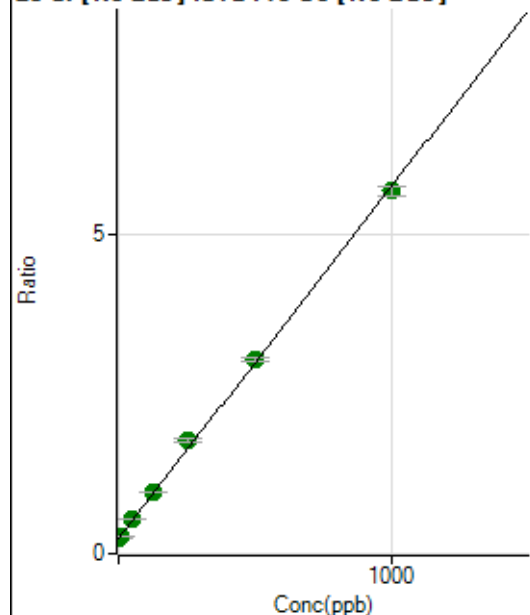
$$DL = 0.2348$$

$$BEC = 1.449$$

Weight: <None>

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 919485.65   | 0.2388 | A   | 0.8 |
| 2 | <input type="checkbox"/> | 10.000   | 3.199      | 985612.22   | 0.2564 | A   | 0.5 |
| 3 | <input type="checkbox"/> | 50.000   | 55.712     | 2129116.52  | 0.5452 | A   | 2.6 |
| 4 | <input type="checkbox"/> | 125.000  | 132.525    | 3790701.52  | 0.9678 | A   | 1.4 |
| 5 | <input type="checkbox"/> | 250.000  | 279.180    | 6698696.68  | 1.7746 | A   | 4.9 |
| 6 | <input type="checkbox"/> | 500.000  | 508.383    | 11625978.73 | 3.0355 | A   | 1.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 987.355    | 22082752.57 | 5.6704 | A   | 2.8 |
| 8 | <input type="checkbox"/> |          |            | 1259231.11  | 0.3309 | A   | 0.5 |

$$y = 0.0055 * x + 0.2388$$

$$R = 0.9994$$

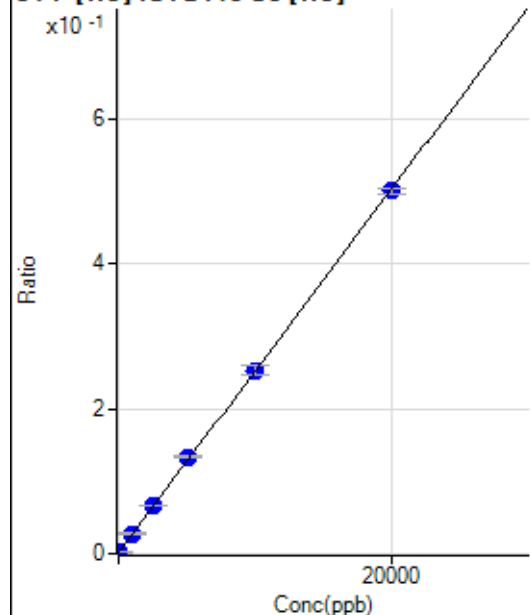
$$DL = 1.052$$

$$BEC = 43.4$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | -11.693    | 147.23   | 0.0011 | P   | 17.9 |
| 2 | <input type="checkbox"/> | 0.000     | 11.693     | 222.23   | 0.0017 | P   | 3.5  |
| 3 | <input type="checkbox"/> | 1000.000  | 1041.380   | 3628.34  | 0.0276 | P   | 2.8  |
| 4 | <input type="checkbox"/> | 2500.000  | 2577.360   | 8655.60  | 0.0661 | P   | 2.0  |
| 5 | <input type="checkbox"/> | 5000.000  | 5258.770   | 17135.56 | 0.1335 | P   | 1.5  |
| 6 | <input type="checkbox"/> | 10000.000 | 10045.772  | 33258.28 | 0.2537 | P   | 5.5  |
| 7 | <input type="checkbox"/> | 20000.000 | 19900.682  | 65665.75 | 0.5013 | P   | 1.4  |
| 8 | <input type="checkbox"/> |           |            | 163.89   | 0.0013 | P   | 21.0 |

$$y = 2.5118E-005 * x + 0.0014$$

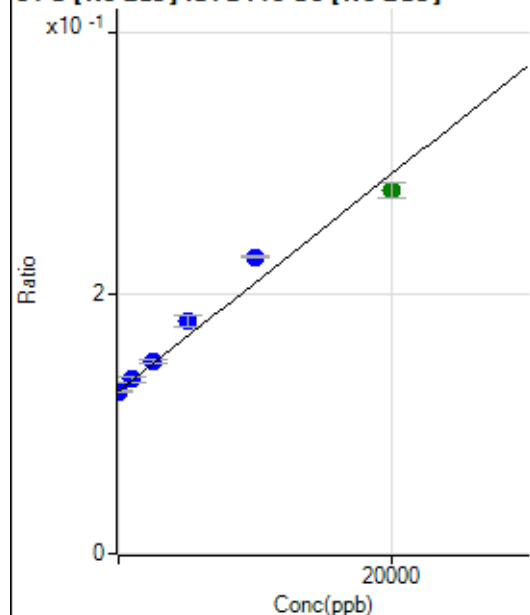
$$R = 0.9999$$

$$DL = 15.46$$

$$BEC = 55.93$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|-----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -2.566     | 480788.79  | 0.1249 | P        | 1.3 |
| 2 | <input type="checkbox"/> | 0.000     | 2.566      | 480125.21  | 0.1249 | P        | 1.0 |
| 3 | <input type="checkbox"/> | 1000.000  | 1074.441   | 522684.64  | 0.1339 | P        | 2.4 |
| 4 | <input type="checkbox"/> | 2500.000  | 2784.574   | 580173.68  | 0.1481 | P        | 2.0 |
| 5 | <input type="checkbox"/> | 5000.000  | 6493.424   | 675985.05  | 0.1791 | P        | 5.2 |
| 6 | <input type="checkbox"/> | 10000.000 | 12312.534  | 872092.13  | 0.2277 | P        | 0.8 |
| 7 | <input type="checkbox"/> | 20000.000 | 18431.083  | 1085616.97 | 0.2788 | A        | 4.3 |
| 8 | <input type="checkbox"/> |           |            | 403512.86  | 0.1060 | P        | 0.3 |

$$y = 8.3510E-006 * x + 0.1249$$

$$R = 0.9857$$

$$DL = 526.2$$

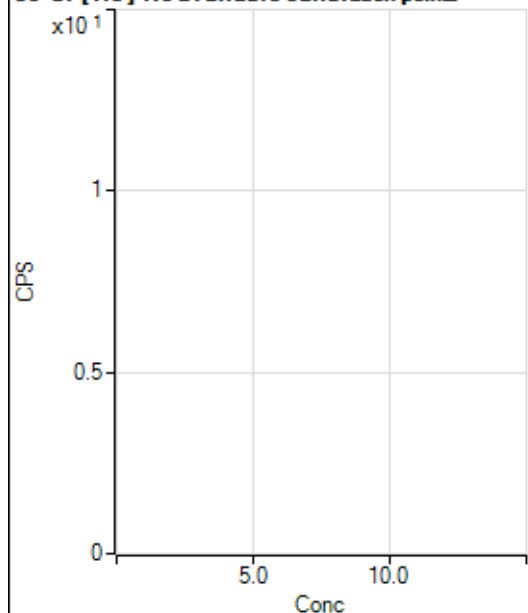
$$BEC = 1.495E+04$$

Weight: &lt;None&gt;

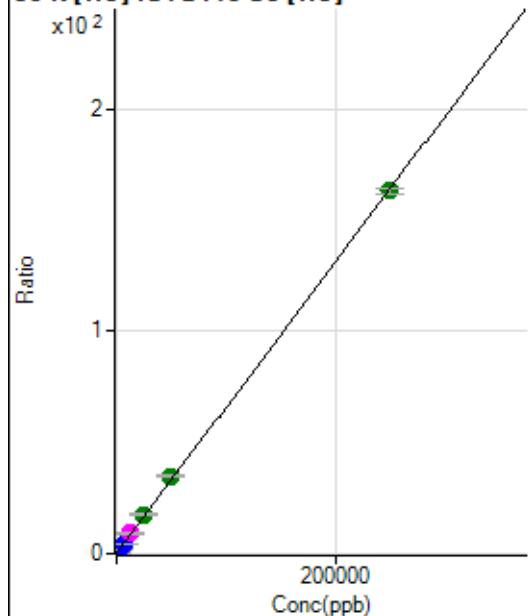
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 106733.71 |       | P        | 1.6 |
| 2 | <input type="checkbox"/> |       |            | 125522.44 |       | P        | 1.5 |
| 3 | <input type="checkbox"/> |       |            | 125076.34 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> |       |            | 125981.40 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> |       |            | 125361.98 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> |       |            | 128152.98 |       | P        | 0.3 |
| 7 | <input type="checkbox"/> |       |            | 131684.12 |       | P        | 1.2 |
| 8 | <input type="checkbox"/> |       |            | 124863.06 |       | P        | 2.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 752.82 |       | P        | 13.3 |
| 2 | <input type="checkbox"/> |       |            | 819.49 |       | P        | 9.2  |
| 3 | <input type="checkbox"/> |       |            | 930.61 |       | P        | 1.9  |
| 4 | <input type="checkbox"/> |       |            | 883.38 |       | P        | 9.1  |
| 5 | <input type="checkbox"/> |       |            | 927.83 |       | P        | 8.5  |
| 6 | <input type="checkbox"/> |       |            | 911.17 |       | P        | 7.4  |
| 7 | <input type="checkbox"/> |       |            | 927.83 |       | P        | 3.2  |
| 8 | <input type="checkbox"/> |       |            | 869.50 |       | P        | 12.8 |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 27791.21    | 0.2096   | P        | 4.0 |
| 2 | <input type="checkbox"/> | 500.000   | 484.633    | 68791.87    | 0.5264   | P        | 3.7 |
| 3 | <input type="checkbox"/> | 2500.000  | 2629.269   | 253821.73   | 1.9281   | P        | 1.6 |
| 4 | <input type="checkbox"/> | 6250.000  | 6509.334   | 584108.24   | 4.4641   | P        | 0.6 |
| 5 | <input type="checkbox"/> | 12500.000 | 13564.889  | 1164797.01  | 9.0755   | M        | 2.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 26594.693  | 2306138.79  | 17.5917  | A        | 4.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 53138.127  | 4576938.34  | 34.9402  | A        | 3.0 |
| 8 | <input type="checkbox"/> | 250000.00 | 249151.91  | 20812985.36 | 163.0529 | A        | 1.9 |

$$y = 6.5359E-004 * x + 0.2096$$

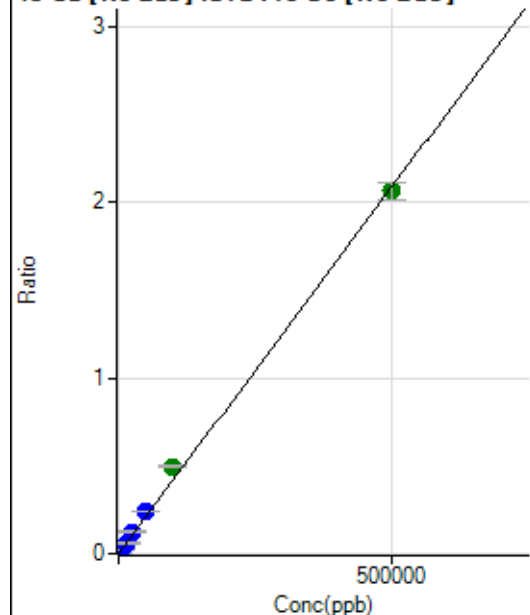
$$R = 0.9999$$

$$DL = 38.08$$

$$BEC = 320.8$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 162.06     | 0.0000 | P    | 5.0 |
| 2 | <input type="checkbox"/> | 500.000   | 492.228    | 8047.09    | 0.0021 | P    | 1.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5764.426   | 93959.58   | 0.0241 | P    | 3.3 |
| 4 | <input type="checkbox"/> | 12500.000 | 14380.991  | 234880.53  | 0.0600 | P    | 2.5 |
| 5 | <input type="checkbox"/> | 25000.000 | 29929.889  | 470929.21  | 0.1248 | P    | 5.1 |
| 6 | <input type="checkbox"/> | 50000.000 | 58482.825  | 933571.31  | 0.2438 | P    | 0.7 |
| 7 | <input type="checkbox"/> | 100000.00 | 118298.79  | 1920143.34 | 0.4930 | A    | 2.1 |
| 8 | <input type="checkbox"/> | 500000.00 | 495190.80  | 7851359.64 | 2.0636 | A    | 4.7 |

$$y = 4.1672\text{E-}006 * x + 4.2083\text{E-}005$$

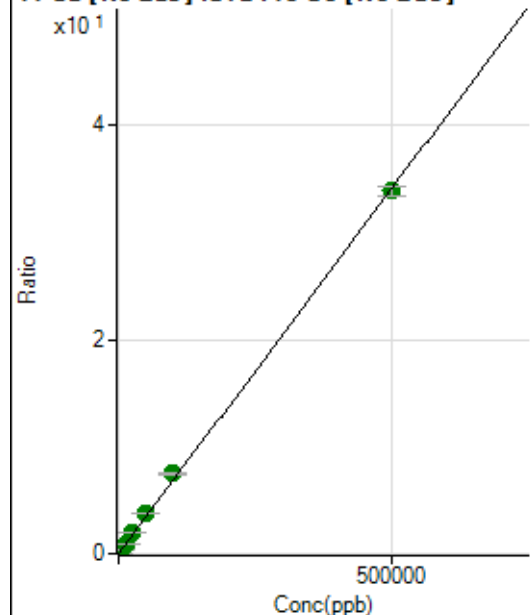
$$R = 0.9992$$

$$DL = 1.518$$

$$BEC = 10.1$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 12654.57    | 0.0033  | P    | 2.5 |
| 2 | <input type="checkbox"/> | 500.000   | 500.474    | 143698.22   | 0.0374  | P    | 1.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5659.369   | 1517971.96  | 0.3888  | A    | 3.9 |
| 4 | <input type="checkbox"/> | 12500.000 | 13789.870  | 3691938.07  | 0.9426  | A    | 2.6 |
| 5 | <input type="checkbox"/> | 25000.000 | 28457.559  | 7329944.19  | 1.9418  | A    | 4.9 |
| 6 | <input type="checkbox"/> | 50000.000 | 55231.134  | 14422189.75 | 3.7656  | A    | 0.4 |
| 7 | <input type="checkbox"/> | 100000.00 | 109833.10  | 29150958.47 | 7.4850  | A    | 2.1 |
| 8 | <input type="checkbox"/> | 500000.00 | 497298.54  | 128907405.9 | 33.8787 | A    | 3.0 |

$$y = 6.8119\text{E-}005 * x + 0.0033$$

$$R = 0.9998$$

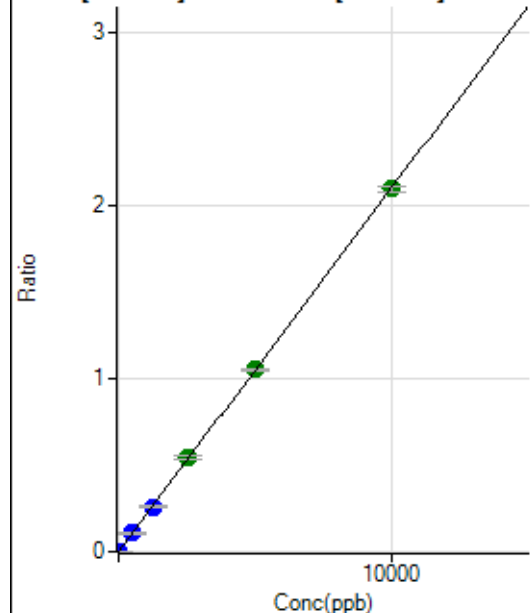
$$DL = 3.659$$

$$BEC = 48.25$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 216.67     | 0.0001 | P        | 4.7  |
| 2 | <input type="checkbox"/> | 5.000     | 4.765      | 4064.59    | 0.0011 | P        | 3.2  |
| 3 | <input type="checkbox"/> | 500.000   | 507.905    | 416772.20  | 0.1067 | P        | 3.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1238.045   | 1018687.18 | 0.2601 | P        | 2.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2597.023   | 2060921.68 | 0.5456 | A        | 3.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 5001.166   | 4023628.91 | 1.0506 | A        | 1.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 9976.260   | 8161658.77 | 2.0956 | A        | 1.7  |
| 8 | <input type="checkbox"/> |           |            | 3503.38    | 0.0009 | P        | 18.3 |

$$y = 2.1005\text{E-}004 * x + 5.6280\text{E-}005$$

$$R = 0.9999$$

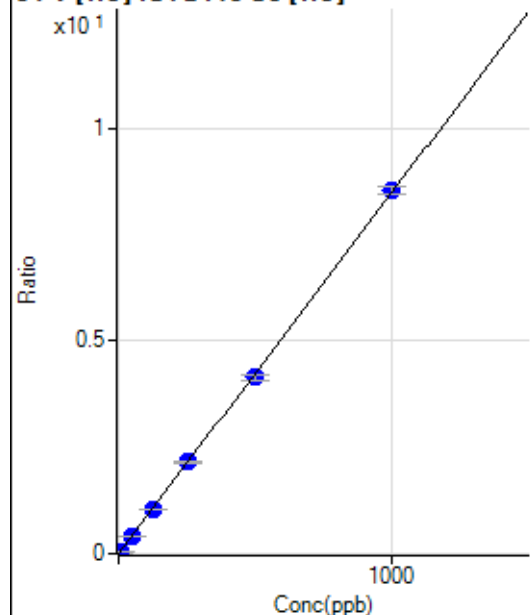
$$DL = 0.03809$$

$$BEC = 0.2679$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3.33       | 0.0000 | P        | 173. |
| 2 | <input type="checkbox"/> | 5.000    | 4.594      | 5097.62    | 0.0390 | P        | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 49.170     | 54905.10   | 0.4171 | P        | 1.9  |
| 4 | <input type="checkbox"/> | 125.000  | 124.209    | 137844.69  | 1.0535 | P        | 0.2  |
| 5 | <input type="checkbox"/> | 250.000  | 253.200    | 275623.48  | 2.1475 | P        | 2.7  |
| 6 | <input type="checkbox"/> | 500.000  | 488.212    | 543057.77  | 4.1408 | P        | 3.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1005.236   | 1116786.44 | 8.5259 | P        | 2.1  |
| 8 | <input type="checkbox"/> |          |            | 292.23     | 0.0023 | P        | 8.8  |

$$y = 0.0085 * x + 2.4657\text{E-}005$$

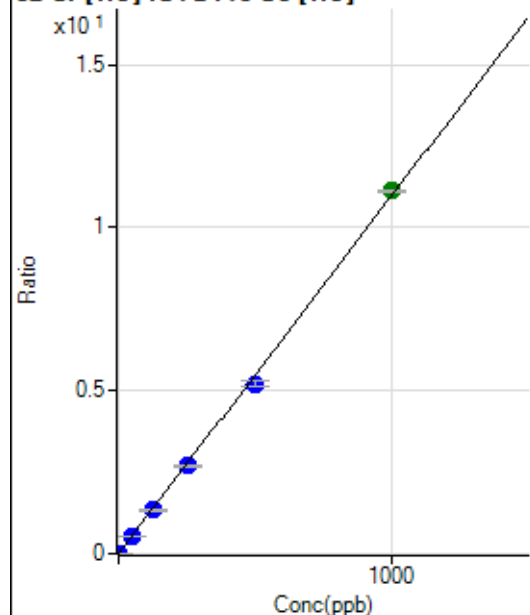
$$R = 0.9999$$

$$DL = 0.01511$$

$$BEC = 0.002907$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 425.57     | 0.0032  | P        | 13.8 |
| 2 | <input type="checkbox"/> | 2.000    | 1.803      | 3002.57    | 0.0230  | P        | 5.3  |
| 3 | <input type="checkbox"/> | 50.000   | 48.504     | 70423.62   | 0.5349  | P        | 1.7  |
| 4 | <input type="checkbox"/> | 125.000  | 121.026    | 173992.27  | 1.3300  | P        | 2.2  |
| 5 | <input type="checkbox"/> | 250.000  | 246.510    | 347247.36  | 2.7056  | P        | 2.5  |
| 6 | <input type="checkbox"/> | 500.000  | 474.567    | 682654.36  | 5.2056  | P        | 3.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1014.161   | 1456860.73 | 11.1209 | A        | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 8910.65    | 0.0698  | P        | 1.4  |

$$y = 0.0110 * x + 0.0032$$

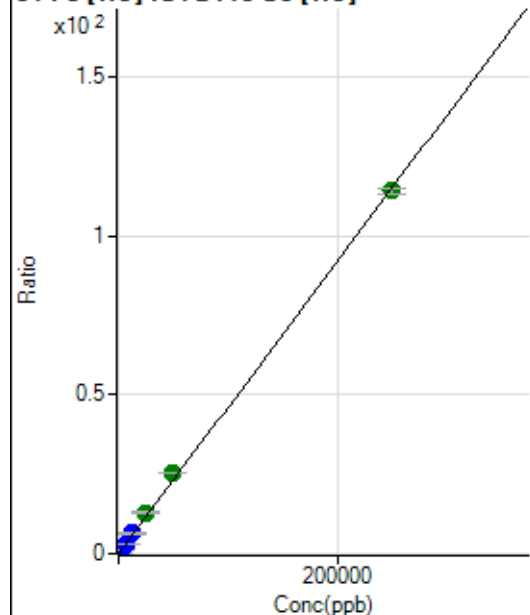
$$R = 0.9995$$

$$DL = 0.1215$$

$$BEC = 0.2927$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 574.10      | 0.0043   | P        | 12.3 |
| 2 | <input type="checkbox"/> | 50.000    | 55.755     | 3911.71     | 0.0299   | P        | 3.6  |
| 3 | <input type="checkbox"/> | 2500.000  | 2695.940   | 163581.71   | 1.2426   | P        | 0.4  |
| 4 | <input type="checkbox"/> | 6250.000  | 6864.738   | 413103.65   | 3.1573   | P        | 1.1  |
| 5 | <input type="checkbox"/> | 12500.000 | 13892.998  | 819514.66   | 6.3854   | P        | 2.9  |
| 6 | <input type="checkbox"/> | 25000.000 | 27731.312  | 1670454.41  | 12.7413  | A        | 4.4  |
| 7 | <input type="checkbox"/> | 50000.000 | 55483.212  | 3338948.92  | 25.4878  | A        | 0.5  |
| 8 | <input type="checkbox"/> | 250000.00 | 248543.24  | 14572374.40 | 114.1604 | A        | 1.7  |

$$y = 4.5930E-004 * x + 0.0043$$

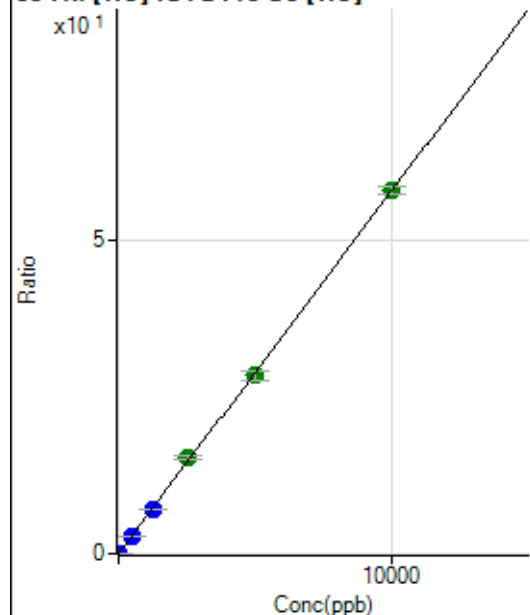
$$R = 0.9997$$

$$DL = 3.48$$

$$BEC = 9.413$$

Weight: &lt;None&gt;

Min Conc: 0

**55 Mn [He] ISTD:45 Sc [He]**

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 37.78      | 0.0003  | P   | 15.4 |
| 2 | <input type="checkbox"/> | 1.000     | 0.976      | 774.47     | 0.0059  | P   | 8.1  |
| 3 | <input type="checkbox"/> | 500.000   | 493.526    | 375544.47  | 2.8527  | P   | 1.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1235.318   | 934146.96  | 7.1401  | P   | 1.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2648.112   | 1964371.74 | 15.3056 | A   | 3.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4922.388   | 3729939.53 | 28.4503 | A   | 5.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 10003.937  | 7574167.32 | 57.8202 | A   | 2.0  |
| 8 | <input type="checkbox"/> |           |            | 6829.47    | 0.0535  | P   | 3.5  |

$$y = 0.0058 * x + 2.8539E-004$$

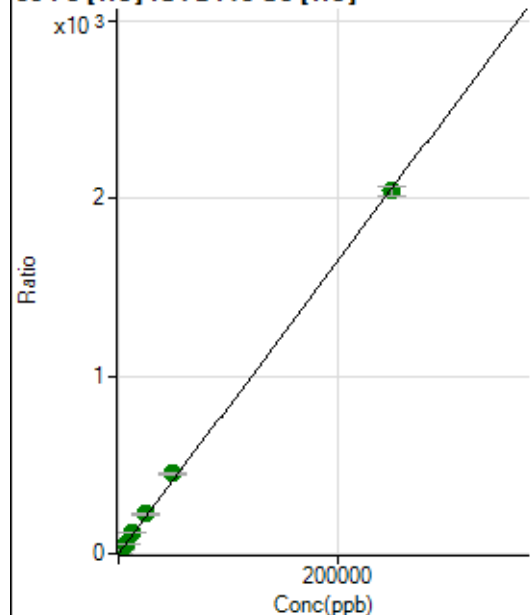
$$R = 0.9998$$

$$DL = 0.02278$$

$$BEC = 0.04938$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 3370.83     | 0.0254    | P   | 4.8 |
| 2 | <input type="checkbox"/> | 50.000    | 50.390     | 57409.96    | 0.4392    | P   | 4.0 |
| 3 | <input type="checkbox"/> | 2500.000  | 2831.239   | 3063950.79  | 23.2748   | A   | 2.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6856.485   | 7370755.26  | 56.3290   | A   | 0.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 14239.443  | 15010475.57 | 116.9558  | A   | 2.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 27022.577  | 29096596.95 | 221.9275  | A   | 4.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 54940.330  | 59097523.54 | 451.1805  | A   | 2.7 |
| 8 | <input type="checkbox"/> | 250000.00 | 248704.23  | 260677689.1 | 2.042.317 | A   | 2.5 |

$$y = 0.0082 * x + 0.0254$$

$$R = 0.9998$$

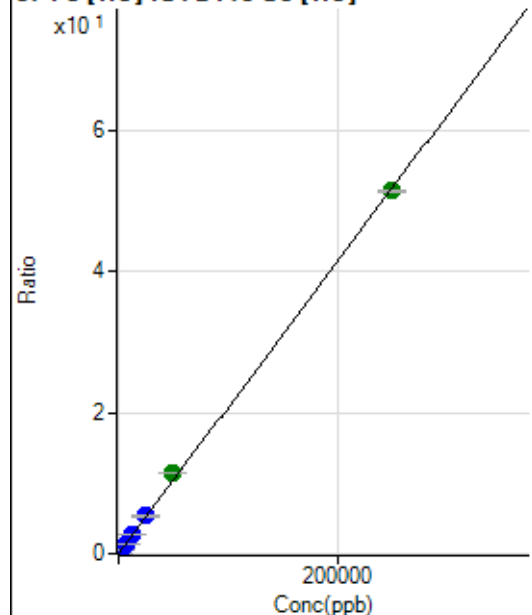
$$DL = 0.4444$$

$$BEC = 3.094$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 377.79     | 0.0029  | P    | 15.9 |
| 2 | <input type="checkbox"/> | 50.000    | 45.815     | 1609.38    | 0.0123  | P    | 9.2  |
| 3 | <input type="checkbox"/> | 2500.000  | 2682.939   | 73371.54   | 0.5573  | P    | 1.7  |
| 4 | <input type="checkbox"/> | 6250.000  | 6594.479   | 178685.89  | 1.3657  | P    | 1.3  |
| 5 | <input type="checkbox"/> | 12500.000 | 13619.842  | 361644.22  | 2.8177  | P    | 2.2  |
| 6 | <input type="checkbox"/> | 25000.000 | 26008.868  | 705100.12  | 5.3781  | P    | 4.3  |
| 7 | <input type="checkbox"/> | 50000.000 | 55348.881  | 1498774.06 | 11.4419 | A    | 1.7  |
| 8 | <input type="checkbox"/> | 250000.00 | 248762.90  | 6563846.10 | 51.4151 | A    | 0.6  |

$$y = 2.0667\text{E-}004 * x + 0.0029$$

$$R = 0.9997$$

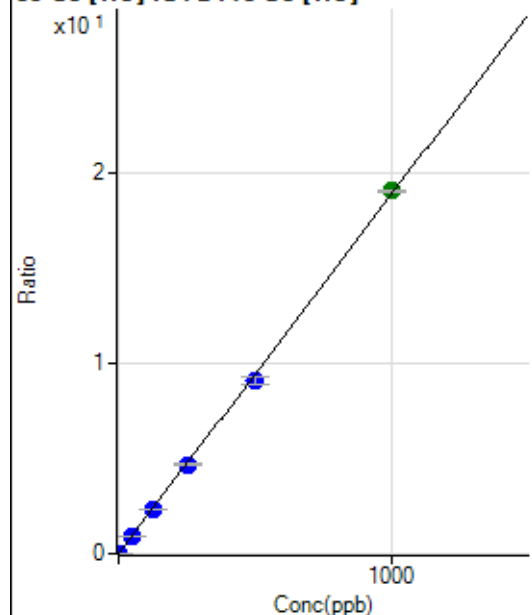
$$DL = 6.579$$

$$BEC = 13.81$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 108.89     | 0.0008  | P    | 13.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.921      | 2374.67    | 0.0182  | P    | 4.7  |
| 3 | <input type="checkbox"/> | 50.000   | 49.135     | 121976.81  | 0.9266  | P    | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 122.140    | 301200.92  | 2.3020  | P    | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 248.215    | 600320.84  | 4.6774  | P    | 2.9  |
| 6 | <input type="checkbox"/> | 500.000  | 482.319    | 1191518.84 | 9.0881  | P    | 4.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1009.687   | 2492219.11 | 19.0242 | A    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 2077.95    | 0.0163  | P    | 3.3  |

$$y = 0.0188 * x + 8.2154\text{E-}004$$

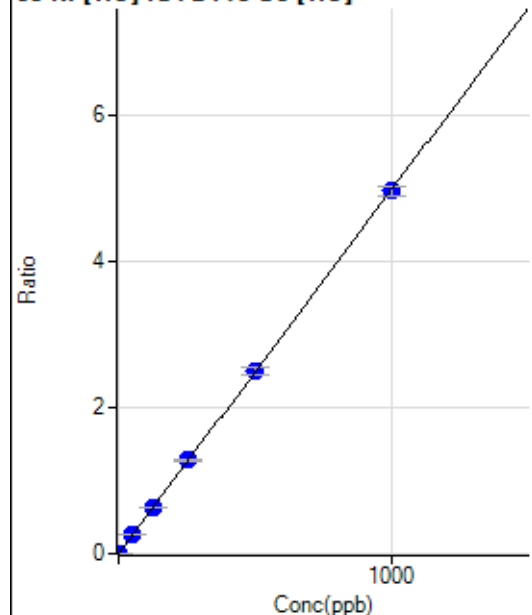
$$R = 0.9998$$

$$DL = 0.01753$$

$$BEC = 0.0436$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 42.22     | 0.0003 | P    | 31.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.899      | 626.68    | 0.0048 | P    | 2.1  |
| 3 | <input type="checkbox"/> | 50.000   | 52.091     | 34177.78  | 0.2596 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 128.102    | 83470.12  | 0.6380 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 257.353    | 164460.52 | 1.2814 | P    | 2.0  |
| 6 | <input type="checkbox"/> | 500.000  | 501.181    | 327178.96 | 2.4951 | P    | 4.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.079    | 650162.51 | 4.9635 | P    | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 1752.35   | 0.0137 | P    | 2.2  |

$$y = 0.0050 * x + 3.1717E-004$$

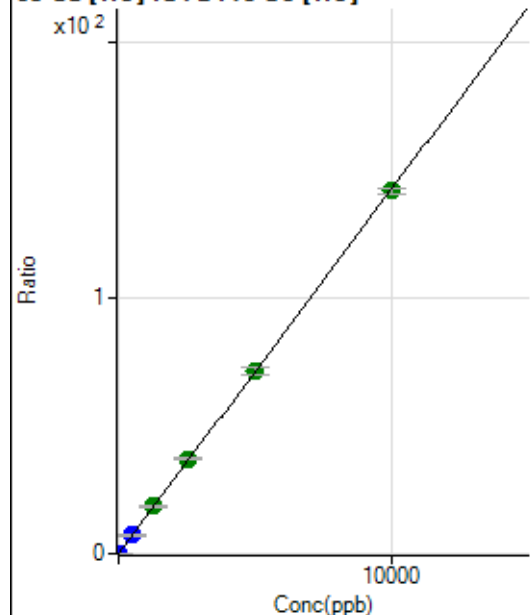
$$R = 1.0000$$

$$DL = 0.05994$$

$$BEC = 0.06372$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 805.59      | 0.0061   | P    | 15.0 |
| 2 | <input type="checkbox"/> | 2.000     | 1.932      | 4399.61     | 0.0336   | P    | 5.3  |
| 3 | <input type="checkbox"/> | 500.000   | 503.409    | 945797.25   | 7.1842   | P    | 1.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1304.913   | 2435192.15  | 18.6127  | A    | 2.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2602.177   | 4762985.94  | 37.1103  | A    | 2.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 5025.491   | 9396790.14  | 71.6642  | A    | 4.0  |
| 7 | <input type="checkbox"/> | 10000.000 | 9954.676   | 18595076.25 | 141.9490 | A    | 1.3  |
| 8 | <input type="checkbox"/> |           |            | 5165.43     | 0.0405   | P    | 4.4  |

$$y = 0.0143 * x + 0.0061$$

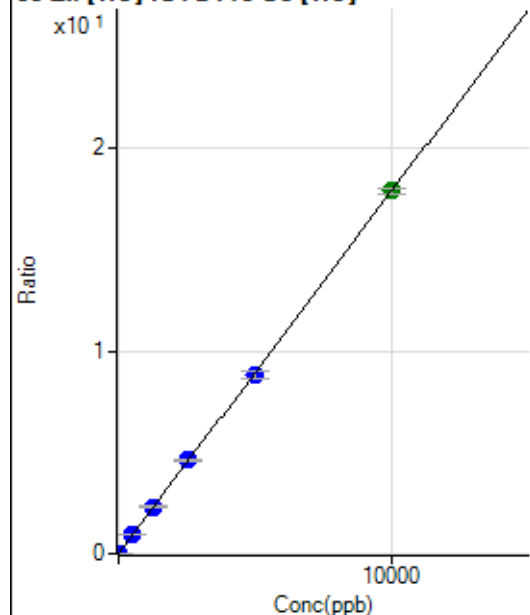
$$R = 0.9999$$

$$DL = 0.1922$$

$$BEC = 0.4266$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 123.34     | 0.0009  | P   | 15.1 |
| 2 | <input type="checkbox"/> | 2.000     | 2.530      | 713.36     | 0.0055  | P   | 9.4  |
| 3 | <input type="checkbox"/> | 500.000   | 516.993    | 121967.13  | 0.9265  | P   | 1.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1289.726   | 302204.73  | 2.3099  | P   | 1.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2581.810   | 593333.83  | 4.6230  | P   | 2.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 4930.024   | 1157421.21 | 8.8269  | P   | 3.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 10008.720  | 2347270.71 | 17.9190 | A   | 1.6  |
| 8 | <input type="checkbox"/> |           |            | 1461.20    | 0.0114  | P   | 5.3  |

$$y = 0.0018 * x + 9.2861E-004$$

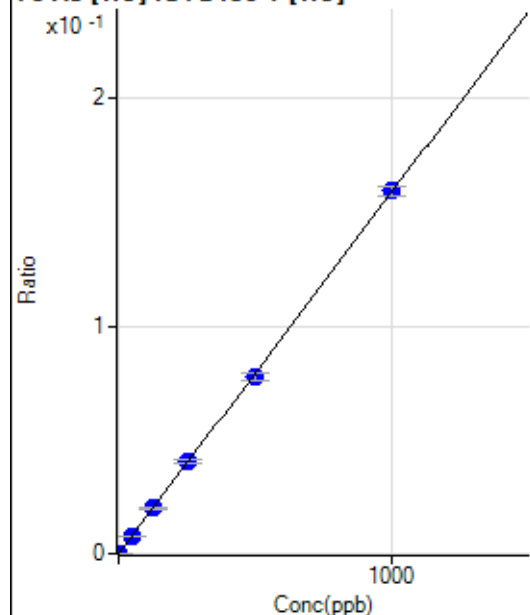
$$R = 0.9999$$

$$DL = 0.2353$$

$$BEC = 0.5187$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.67      | 0.0000 | P   | 9.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.990      | 153.69    | 0.0002 | P   | 7.3 |
| 3 | <input type="checkbox"/> | 50.000   | 49.703     | 7425.70   | 0.0079 | P   | 2.5 |
| 4 | <input type="checkbox"/> | 125.000  | 126.459    | 18632.45  | 0.0201 | P   | 2.6 |
| 5 | <input type="checkbox"/> | 250.000  | 255.042    | 37284.01  | 0.0405 | P   | 3.8 |
| 6 | <input type="checkbox"/> | 500.000  | 488.441    | 72860.08  | 0.0775 | P   | 4.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 1004.351   | 147662.89 | 0.1593 | P   | 2.8 |
| 8 | <input type="checkbox"/> |          |            | 46.67     | 0.0000 | P   | 5.1 |

$$y = 1.5859E-004 * x + 7.0622E-006$$

$$R = 0.9999$$

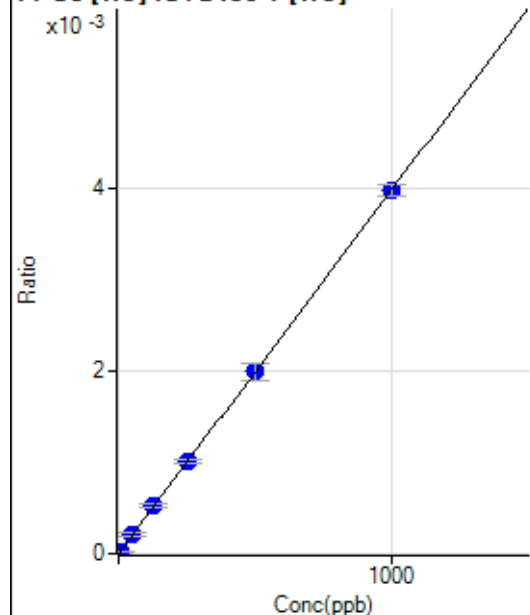
$$DL = 0.01249$$

$$BEC = 0.04453$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS     | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|---------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.11    | 0.0000 | P    | 173. |
| 2 | <input type="checkbox"/> | 5.000    | 6.256      | 24.45   | 0.0000 | P    | 16.9 |
| 3 | <input type="checkbox"/> | 50.000   | 52.423     | 197.78  | 0.0002 | P    | 15.0 |
| 4 | <input type="checkbox"/> | 125.000  | 131.822    | 488.90  | 0.0005 | P    | 11.1 |
| 5 | <input type="checkbox"/> | 250.000  | 254.718    | 937.82  | 0.0010 | P    | 3.2  |
| 6 | <input type="checkbox"/> | 500.000  | 499.842    | 1874.59 | 0.0020 | P    | 8.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.919    | 3691.64 | 0.0040 | P    | 3.1  |
| 8 | <input type="checkbox"/> |          |            | 2.22    | 0.0000 | P    | 173. |

$$y = 3.9879\text{E-}006 * x + 1.1659\text{E-}006$$

$$R = 1.0000$$

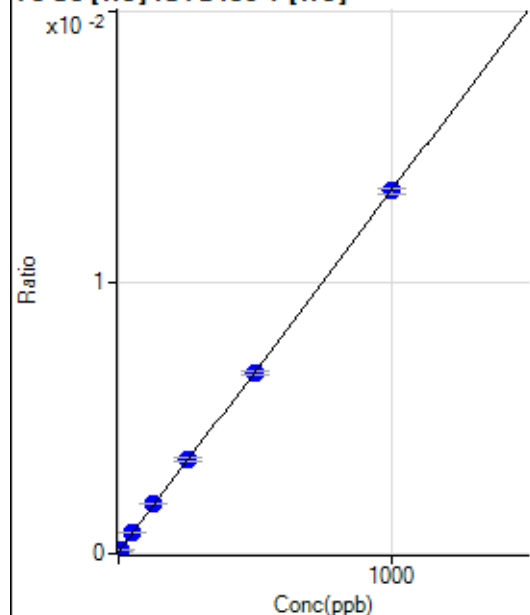
$$\text{DL} = 1.519$$

$$\text{BEC} = 0.2923$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 79.68    | 0.0001 | P    | 13.3 |
| 2 | <input type="checkbox"/> | 5.000    | 4.062      | 129.68   | 0.0001 | P    | 11.9 |
| 3 | <input type="checkbox"/> | 50.000   | 52.212     | 732.76   | 0.0008 | P    | 3.4  |
| 4 | <input type="checkbox"/> | 125.000  | 132.398    | 1713.62  | 0.0018 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 250.000  | 256.689    | 3222.70  | 0.0035 | P    | 4.1  |
| 6 | <input type="checkbox"/> | 500.000  | 496.049    | 6284.04  | 0.0067 | P    | 2.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.273    | 12394.69 | 0.0134 | P    | 1.9  |
| 8 | <input type="checkbox"/> |          |            | 72.68    | 0.0001 | P    | 7.5  |

$$y = 1.3294\text{E-}005 * x + 8.4418\text{E-}005$$

$$R = 0.9999$$

$$\text{DL} = 2.538$$

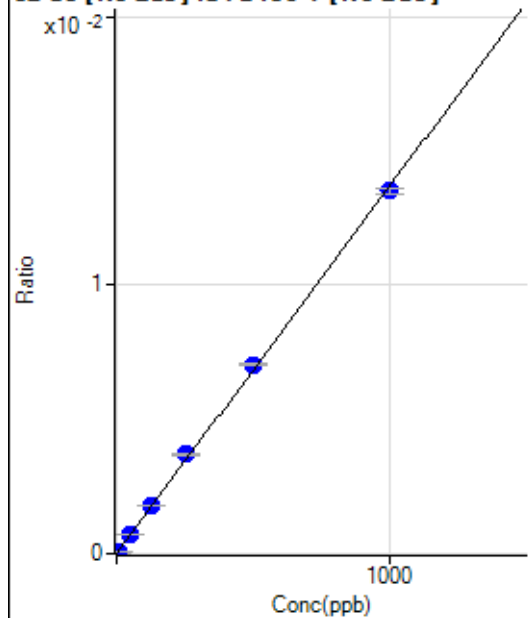
$$\text{BEC} = 6.35$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 41136.54 |       | P        | 4.5 |
| 2 | <input type="checkbox"/> |       |            | 42163.50 |       | P        | 0.6 |
| 3 | <input type="checkbox"/> |       |            | 39838.44 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> |       |            | 38389.47 |       | P        | 3.1 |
| 5 | <input type="checkbox"/> |       |            | 38218.97 |       | P        | 1.5 |
| 6 | <input type="checkbox"/> |       |            | 37415.31 |       | P        | 1.9 |
| 7 | <input type="checkbox"/> |       |            | 36251.36 |       | P        | 2.6 |
| 8 | <input type="checkbox"/> |       |            | 35970.16 |       | P        | 1.5 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 60.83     | 0.0000 | P        | 26.7 |
| 2 | <input type="checkbox"/> | 5.000    | 4.713      | 612.87    | 0.0001 | P        | 1.3  |
| 3 | <input type="checkbox"/> | 50.000   | 52.950     | 6246.17   | 0.0007 | P        | 2.7  |
| 4 | <input type="checkbox"/> | 125.000  | 129.553    | 15061.51  | 0.0018 | P        | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 269.442    | 30291.48  | 0.0037 | P        | 3.4  |
| 6 | <input type="checkbox"/> | 500.000  | 513.427    | 60010.89  | 0.0070 | P        | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 987.711    | 116805.05 | 0.0135 | P        | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 164.99    | 0.0000 | P        | 19.5 |

$$y = 1.3664\text{E-}005 * x + 7.1871\text{E-}006$$

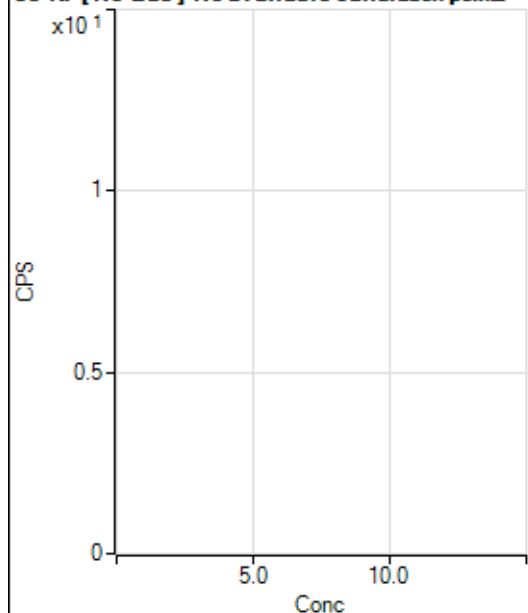
$$R = 0.9996$$

$$DL = 0.4205$$

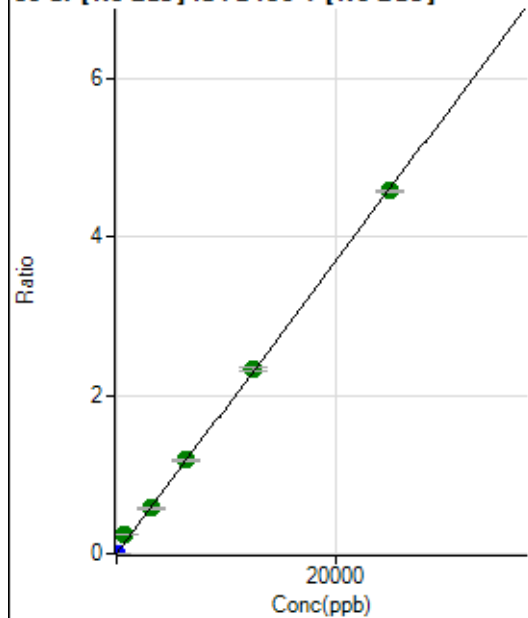
$$BEC = 0.526$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 263.72 |       | P        | 3.6  |
| 2 | <input type="checkbox"/> |       |            | 278.72 |       | P        | 2.5  |
| 3 | <input type="checkbox"/> |       |            | 294.14 |       | P        | 5.1  |
| 4 | <input type="checkbox"/> |       |            | 303.72 |       | P        | 1.1  |
| 5 | <input type="checkbox"/> |       |            | 295.80 |       | P        | 3.6  |
| 6 | <input type="checkbox"/> |       |            | 282.05 |       | P        | 6.4  |
| 7 | <input type="checkbox"/> |       |            | 299.97 |       | P        | 10.2 |
| 8 | <input type="checkbox"/> |       |            | 319.55 |       | P        | 5.9  |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 494.47      | 0.0001 | P        | 5.1  |
| 2 | <input type="checkbox"/> | 1.000     | 0.838      | 1822.39     | 0.0002 | P        | 8.0  |
| 3 | <input type="checkbox"/> | 625.000   | 1270.734   | 1999563.95  | 0.2339 | A        | 0.9  |
| 4 | <input type="checkbox"/> | 3125.000  | 3134.256   | 4887430.27  | 0.5768 | A        | 2.2  |
| 5 | <input type="checkbox"/> | 6250.000  | 6412.925   | 9694284.94  | 1.1801 | A        | 1.8  |
| 6 | <input type="checkbox"/> | 12500.000 | 12617.012  | 19837757.04 | 2.3216 | A        | 1.8  |
| 7 | <input type="checkbox"/> | 25000.000 | 24883.462  | 39607946.72 | 4.5787 | A        | 0.4  |
| 8 | <input type="checkbox"/> |           |            | 17404.34    | 0.0021 | P        | 14.3 |

$$y = 1.8400E-004 * x + 5.8569E-005$$

$$R = 0.9997$$

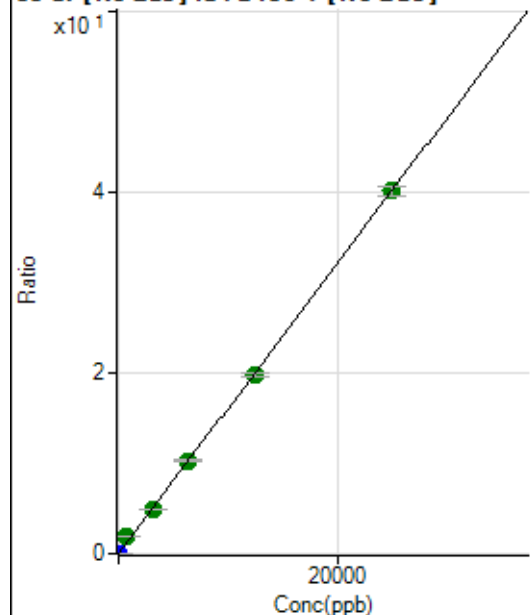
$$DL = 0.04867$$

$$BEC = 0.3183$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 150.01      | 0.0000  | P    | 36.0 |
| 2 | <input type="checkbox"/> | 1.000     | 0.918      | 12739.48    | 0.0015  | P    | 3.2  |
| 3 | <input type="checkbox"/> | 625.000   | 1223.174   | 16743895.17 | 1.9590  | A    | 3.5  |
| 4 | <input type="checkbox"/> | 3125.000  | 3041.878   | 41282819.32 | 4.8718  | A    | 1.1  |
| 5 | <input type="checkbox"/> | 6250.000  | 6415.963   | 84380502.58 | 10.2756 | A    | 3.2  |
| 6 | <input type="checkbox"/> | 12500.000 | 12356.600  | 169092103.7 | 19.7899 | A    | 2.6  |
| 7 | <input type="checkbox"/> | 25000.000 | 25025.645  | 346670546.6 | 40.0802 | A    | 2.4  |
| 8 | <input type="checkbox"/> |           |            | 148735.74   | 0.0179  | P    | 13.0 |

$$y = 0.0016 * x + 1.7828E-005$$

$$R = 0.9997$$

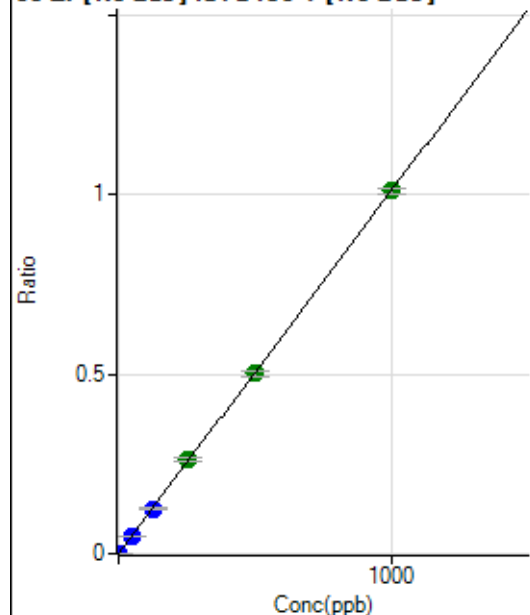
$$DL = 0.01203$$

$$BEC = 0.01113$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 344.46     | 0.0000 | P    | 22.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.907      | 8202.63    | 0.0010 | P    | 7.0  |
| 3 | <input type="checkbox"/> | 50.000   | 48.885     | 422909.83  | 0.0495 | P    | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 123.912    | 1061874.61 | 0.1253 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 260.671    | 2163818.23 | 0.2636 | A    | 3.9  |
| 6 | <input type="checkbox"/> | 500.000  | 496.464    | 4289140.90 | 0.5020 | A    | 2.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.292    | 8739607.66 | 1.0104 | A    | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 4053.56    | 0.0005 | P    | 11.9 |

$$y = 0.0010 * x + 4.0894E-005$$

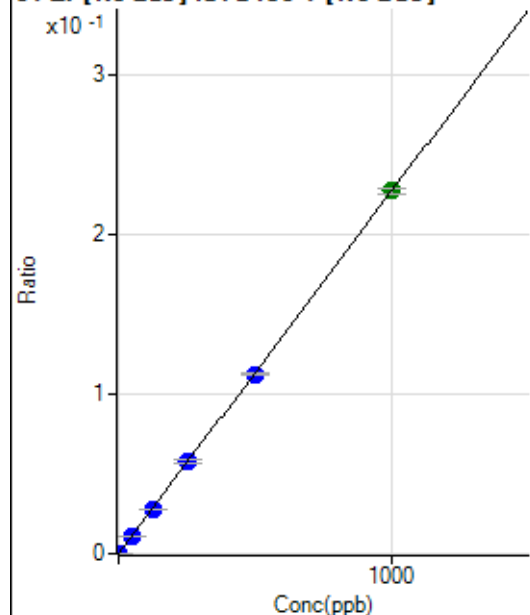
$$R = 0.9999$$

$$DL = 0.02669$$

$$BEC = 0.04045$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.11      | 0.0000 | P    | 18.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.936      | 1883.51    | 0.0002 | P    | 9.3  |
| 3 | <input type="checkbox"/> | 50.000   | 49.283     | 95849.01   | 0.0112 | P    | 2.9  |
| 4 | <input type="checkbox"/> | 125.000  | 123.484    | 237979.82  | 0.0281 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 256.456    | 478737.91  | 0.0583 | P    | 4.0  |
| 6 | <input type="checkbox"/> | 500.000  | 495.025    | 961851.24  | 0.1126 | P    | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.099   | 1969002.35 | 0.2276 | A    | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 786.16     | 0.0001 | P    | 24.3 |

$$y = 2.2737\text{E-}004 * x + 7.2211\text{E-}006$$

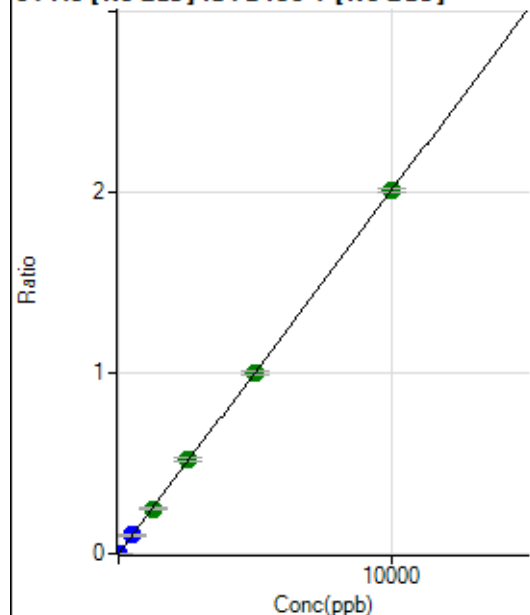
$$R = 1.0000$$

$$DL = 0.018$$

$$BEC = 0.03176$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 97.22       | 0.0000 | P    | 6.8  |
| 2 | <input type="checkbox"/> | 5.000     | 5.621      | 9759.22     | 0.0011 | P    | 1.2  |
| 3 | <input type="checkbox"/> | 500.000   | 504.942    | 866519.59   | 0.1014 | P    | 3.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1236.751   | 2103511.59  | 0.2483 | A    | 1.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2612.028   | 4303863.77  | 0.5243 | A    | 4.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4964.155   | 8514211.04  | 0.9964 | A    | 2.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 9991.324   | 17348032.51 | 2.0055 | A    | 1.0  |
| 8 | <input type="checkbox"/> |           |            | 7761.00     | 0.0009 | P    | 13.8 |

$$y = 2.0072\text{E-}004 * x + 1.1525\text{E-}005$$

$$R = 0.9999$$

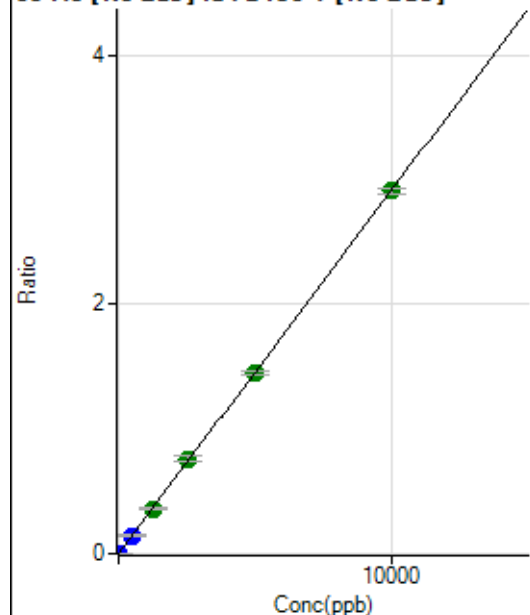
$$DL = 0.0117$$

$$BEC = 0.05742$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 58.33       | 0.0000 | P    | 60.2 |
| 2 | <input type="checkbox"/> | 5.000     | 4.702      | 11794.18    | 0.0014 | P    | 0.8  |
| 3 | <input type="checkbox"/> | 500.000   | 494.314    | 1231647.08  | 0.1441 | P    | 3.4  |
| 4 | <input type="checkbox"/> | 1250.000  | 1242.224   | 3068038.98  | 0.3621 | A    | 2.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2604.253   | 6228364.94  | 0.7591 | A    | 5.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 4982.971   | 12411974.58 | 1.4525 | A    | 1.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 9983.708   | 25173672.61 | 2.9102 | A    | 1.3  |
| 8 | <input type="checkbox"/> |           |            | 10910.82    | 0.0013 | P    | 16.7 |

$$y = 2.9149\text{E-}004 * x + 6.8560\text{E-}006$$

$$R = 0.9999$$

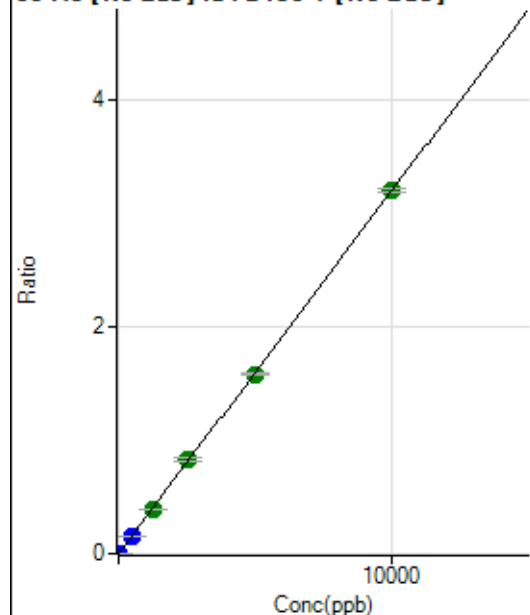
$$DL = 0.04247$$

$$BEC = 0.02352$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 172.23      | 0.0000 | P    | 27.7 |
| 2 | <input type="checkbox"/> | 5.000     | 4.686      | 13025.86    | 0.0015 | P    | 1.9  |
| 3 | <input type="checkbox"/> | 500.000   | 496.217    | 1358660.93  | 0.1590 | P    | 3.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1226.562   | 3328789.33  | 0.3929 | A    | 2.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2597.689   | 6827341.21  | 0.8320 | A    | 5.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4947.869   | 13542398.39 | 1.5848 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 10004.762  | 27718745.06 | 3.2044 | A    | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 19231.20    | 0.0023 | P    | 7.4  |

$$y = 3.2029\text{E-}004 * x + 2.0435\text{E-}005$$

$$R = 0.9999$$

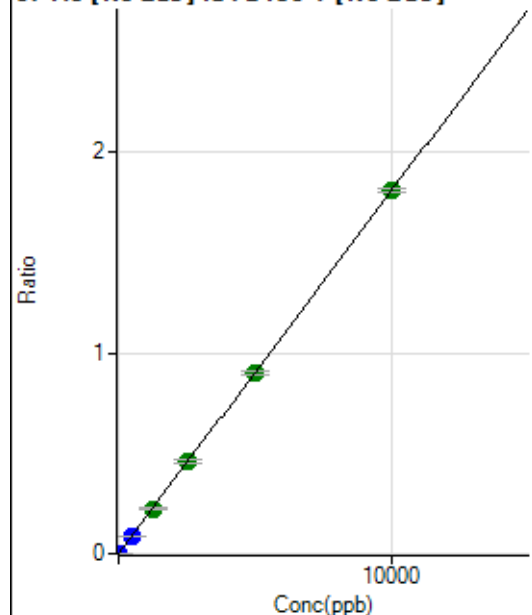
$$DL = 0.0531$$

$$BEC = 0.0638$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 30.56       | 0.0000 | P    | 32.7 |
| 2 | <input type="checkbox"/> | 5.000     | 4.738      | 7360.47     | 0.0009 | P    | 8.2  |
| 3 | <input type="checkbox"/> | 500.000   | 498.650    | 770239.70   | 0.0901 | P    | 1.4  |
| 4 | <input type="checkbox"/> | 1250.000  | 1236.433   | 1893024.98  | 0.2234 | A    | 1.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2565.914   | 3805942.19  | 0.4636 | A    | 4.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4975.756   | 7681392.19  | 0.8990 | A    | 2.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 9997.407   | 15626430.73 | 1.8062 | A    | 1.0  |
| 8 | <input type="checkbox"/> |           |            | 6565.90     | 0.0008 | P    | 17.6 |

$$y = 1.8067E-004 * x + 3.6279E-006$$

$$R = 1.0000$$

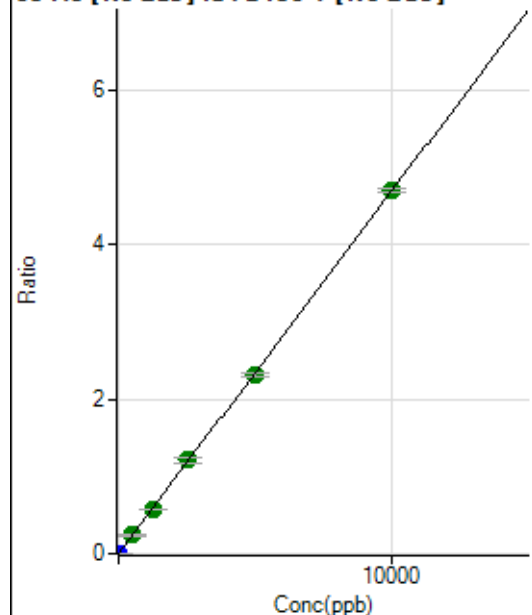
$$DL = 0.01969$$

$$BEC = 0.02008$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 50.00       | 0.0000 | P    | 30.0 |
| 2 | <input type="checkbox"/> | 5.000     | 4.738      | 19060.83    | 0.0022 | P    | 1.6  |
| 3 | <input type="checkbox"/> | 500.000   | 505.230    | 2023820.34  | 0.2368 | A    | 3.6  |
| 4 | <input type="checkbox"/> | 1250.000  | 1237.941   | 4915497.16  | 0.5801 | A    | 0.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2576.495   | 9908326.96  | 1.2074 | A    | 4.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 4938.953   | 19776173.71 | 2.3145 | A    | 2.0  |
| 7 | <input type="checkbox"/> | 10000.000 | 10012.646  | 40586793.62 | 4.6920 | A    | 1.1  |
| 8 | <input type="checkbox"/> |           |            | 16879.49    | 0.0020 | P    | 17.5 |

$$y = 4.6861E-004 * x + 5.9356E-006$$

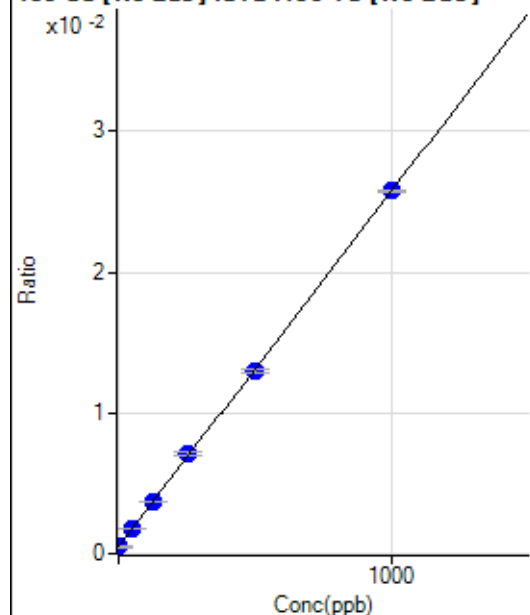
$$R = 0.9999$$

$$DL = 0.01142$$

$$BEC = 0.01267$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2880.94   | 0.0005 | P        | 8.6  |
| 2 | <input type="checkbox"/> | 1.000    | -0.857     | 2803.14   | 0.0005 | P        | 5.8  |
| 3 | <input type="checkbox"/> | 50.000   | 50.026     | 10298.58  | 0.0018 | P        | 1.7  |
| 4 | <input type="checkbox"/> | 125.000  | 126.633    | 21080.49  | 0.0037 | P        | 2.4  |
| 5 | <input type="checkbox"/> | 250.000  | 260.937    | 40092.45  | 0.0071 | P        | 3.7  |
| 6 | <input type="checkbox"/> | 500.000  | 493.339    | 75252.97  | 0.0130 | P        | 2.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.393   | 146608.99 | 0.0258 | P        | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 2786.46   | 0.0005 | P        | 12.7 |

$$y = 2.5262\text{E-}005 * x + 5.1259\text{E-}004$$

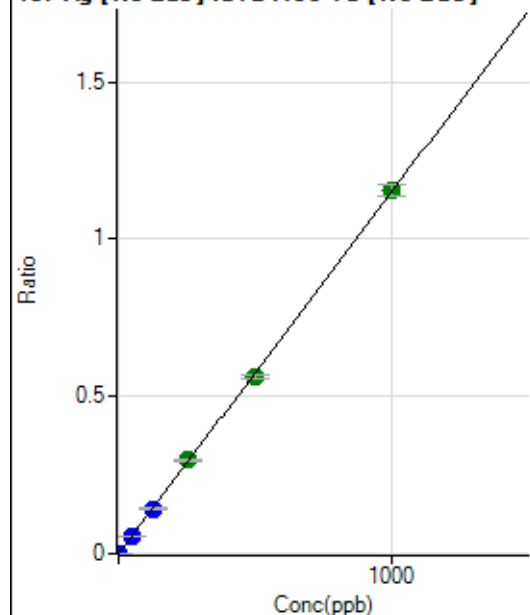
$$R = 0.9999$$

$$DL = 5.249$$

$$BEC = 20.29$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 286.12     | 0.0001 | P        | 12.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.941      | 6473.92    | 0.0011 | P        | 5.0  |
| 3 | <input type="checkbox"/> | 50.000   | 49.233     | 328213.21  | 0.0566 | P        | 2.2  |
| 4 | <input type="checkbox"/> | 125.000  | 124.711    | 814193.56  | 0.1433 | P        | 2.6  |
| 5 | <input type="checkbox"/> | 250.000  | 258.379    | 1675624.26 | 0.2969 | A        | 3.7  |
| 6 | <input type="checkbox"/> | 500.000  | 489.160    | 3259661.16 | 0.5621 | A        | 1.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.400   | 6553908.35 | 1.1529 | A        | 3.1  |
| 8 | <input type="checkbox"/> |          |            | 4798.21    | 0.0008 | P        | 4.2  |

$$y = 0.0011 * x + 5.0889\text{E-}005$$

$$R = 0.9999$$

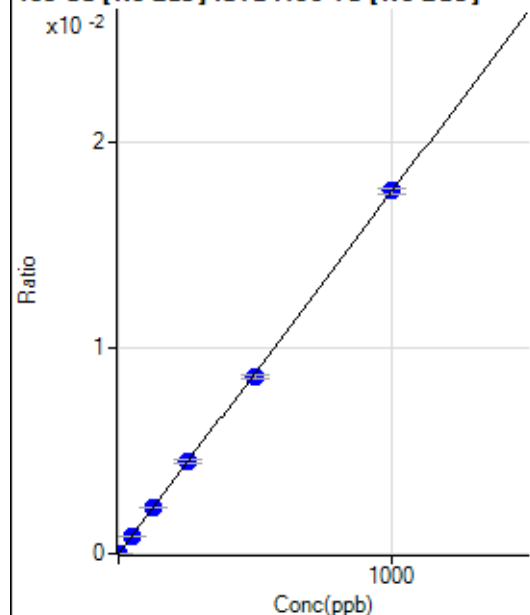
$$DL = 0.01682$$

$$BEC = 0.04429$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 16.67     | 0.0000 | P        | 51.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.052      | 122.23    | 0.0000 | P        | 19.3 |
| 3 | <input type="checkbox"/> | 50.000   | 49.329     | 5038.48   | 0.0009 | P        | 1.4  |
| 4 | <input type="checkbox"/> | 125.000  | 129.348    | 12918.69  | 0.0023 | P        | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 255.724    | 25337.34  | 0.0045 | P        | 5.7  |
| 6 | <input type="checkbox"/> | 500.000  | 489.891    | 49897.20  | 0.0086 | P        | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.113   | 100149.75 | 0.0176 | P        | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 104.17    | 0.0000 | P        | 10.4 |

$$y = 1.7557\text{E-}005 * x + 2.9802\text{E-}006$$

$$R = 0.9999$$

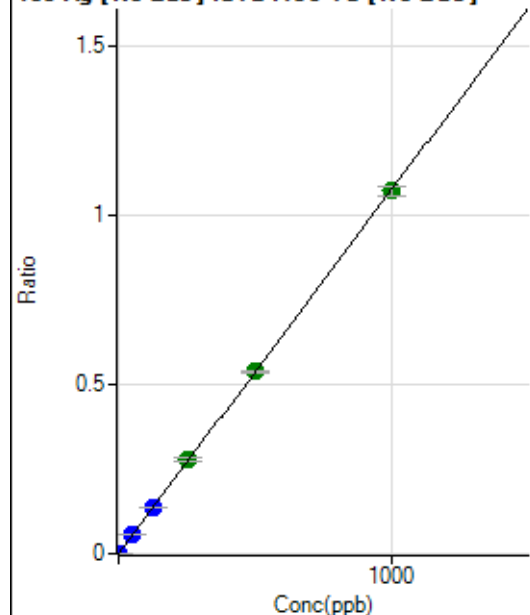
$$DL = 0.2598$$

$$BEC = 0.1697$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 233.34     | 0.0000 | P        | 9.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.947      | 6045.95    | 0.0011 | P        | 9.1 |
| 3 | <input type="checkbox"/> | 50.000   | 50.873     | 317233.89  | 0.0547 | P        | 1.0 |
| 4 | <input type="checkbox"/> | 125.000  | 126.781    | 774289.61  | 0.1363 | P        | 1.4 |
| 5 | <input type="checkbox"/> | 250.000  | 261.420    | 1585699.91 | 0.2810 | A        | 4.0 |
| 6 | <input type="checkbox"/> | 500.000  | 499.576    | 3113984.32 | 0.5369 | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 997.091    | 6091779.61 | 1.0716 | A        | 2.9 |
| 8 | <input type="checkbox"/> |          |            | 4837.09    | 0.0008 | P        | 7.0 |

$$y = 0.0011 * x + 4.1533\text{E-}005$$

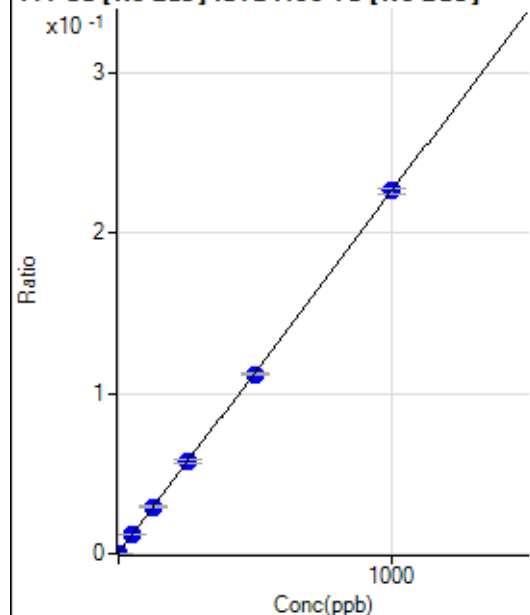
$$R = 0.9999$$

$$DL = 0.01061$$

$$BEC = 0.03865$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2023.05    | 0.0004 | P        | 8.4  |
| 2 | <input type="checkbox"/> | 1.000    | 0.821      | 3112.82    | 0.0005 | P        | 3.8  |
| 3 | <input type="checkbox"/> | 50.000   | 51.136     | 68904.07   | 0.0119 | P        | 2.4  |
| 4 | <input type="checkbox"/> | 125.000  | 127.645    | 165451.84  | 0.0291 | P        | 2.2  |
| 5 | <input type="checkbox"/> | 250.000  | 255.283    | 326728.10  | 0.0579 | P        | 3.6  |
| 6 | <input type="checkbox"/> | 500.000  | 493.881    | 647636.26  | 0.1117 | P        | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.351   | 1285157.81 | 0.2260 | P        | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 2488.74    | 0.0004 | P        | 13.7 |

$$y = 2.2538\text{E-}004 * x + 3.5995\text{E-}004$$

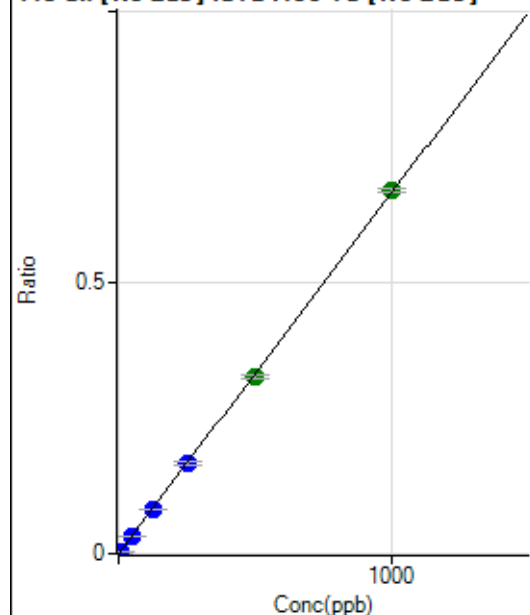
$$R = 1.0000$$

$$DL = 0.4019$$

$$BEC = 1.597$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 472.24     | 0.0001 | P        | 28.3 |
| 2 | <input type="checkbox"/> | 5.000    | 4.666      | 18177.15   | 0.0032 | P        | 2.0  |
| 3 | <input type="checkbox"/> | 50.000   | 48.289     | 186319.21  | 0.0321 | P        | 3.5  |
| 4 | <input type="checkbox"/> | 125.000  | 122.583    | 462647.26  | 0.0815 | P        | 3.8  |
| 5 | <input type="checkbox"/> | 250.000  | 250.356    | 938443.45  | 0.1663 | P        | 3.9  |
| 6 | <input type="checkbox"/> | 500.000  | 488.675    | 1881871.09 | 0.3245 | A        | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1005.963   | 3797715.32 | 0.6679 | A        | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 4500.86    | 0.0008 | P        | 6.2  |

$$y = 6.6390\text{E-}004 * x + 8.4270\text{E-}005$$

$$R = 0.9999$$

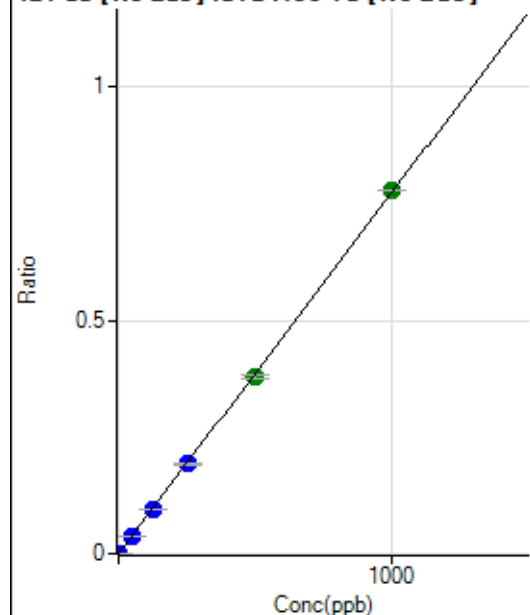
$$DL = 0.1077$$

$$BEC = 0.1269$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 58.34      | 0.0000 | P    | 15.9 |
| 2 | <input type="checkbox"/> | 2.000    | 1.745      | 7757.95    | 0.0014 | P    | 4.0  |
| 3 | <input type="checkbox"/> | 50.000   | 47.411     | 212440.77  | 0.0366 | P    | 4.6  |
| 4 | <input type="checkbox"/> | 125.000  | 121.631    | 533872.85  | 0.0940 | P    | 2.4  |
| 5 | <input type="checkbox"/> | 250.000  | 248.690    | 1084611.97 | 0.1922 | P    | 3.4  |
| 6 | <input type="checkbox"/> | 500.000  | 489.431    | 2193329.54 | 0.3782 | A    | 1.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.163   | 4420866.81 | 0.7775 | A    | 0.1  |
| 8 | <input type="checkbox"/> |          |            | 3458.88    | 0.0006 | P    | 20.1 |

$$y = 7.7272\text{E-}004 * x + 1.0390\text{E-}005$$

$$R = 0.9999$$

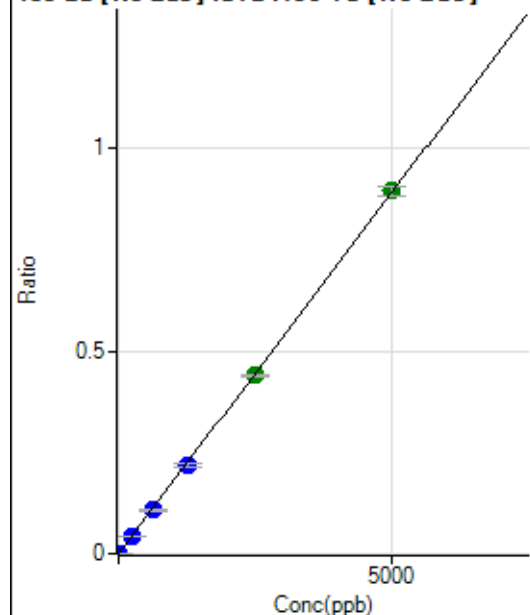
$$DL = 0.006402$$

$$BEC = 0.01345$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 13.89      | 0.0000 | P    | 92.6 |
| 2 | <input type="checkbox"/> | 10.000   | 8.429      | 8591.82    | 0.0015 | P    | 7.0  |
| 3 | <input type="checkbox"/> | 250.000  | 233.921    | 241768.66  | 0.0417 | P    | 3.4  |
| 4 | <input type="checkbox"/> | 625.000  | 604.970    | 612470.32  | 0.1079 | P    | 3.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1225.869   | 1232456.86 | 0.2186 | P    | 5.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2464.883   | 2548625.94 | 0.4395 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 5000.000 | 5026.902   | 5095303.98 | 0.8962 | A    | 2.8  |
| 8 | <input type="checkbox"/> |          |            | 3742.34    | 0.0006 | P    | 12.9 |

$$y = 1.7828\text{E-}004 * x + 2.4690\text{E-}006$$

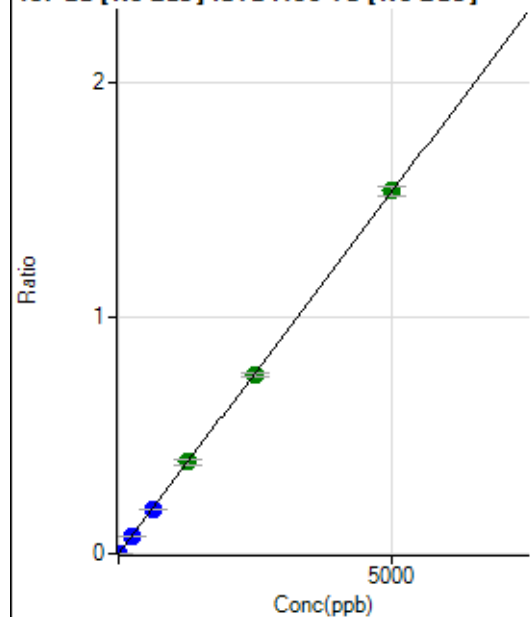
$$R = 0.9999$$

$$DL = 0.03849$$

$$BEC = 0.01385$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 36.11      | 0.0000 | P        | 79.3 |
| 2 | <input type="checkbox"/> | 10.000   | 8.876      | 15576.13   | 0.0027 | P        | 2.4  |
| 3 | <input type="checkbox"/> | 250.000  | 236.668    | 420509.32  | 0.0725 | P        | 3.0  |
| 4 | <input type="checkbox"/> | 625.000  | 607.556    | 1057658.80 | 0.1862 | P        | 2.3  |
| 5 | <input type="checkbox"/> | 1250.000 | 1264.438   | 2184661.33 | 0.3875 | A        | 6.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2464.165   | 4379663.12 | 0.7552 | A        | 2.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5017.157   | 8742118.34 | 1.5377 | A        | 2.8  |
| 8 | <input type="checkbox"/> |          |            | 6329.59    | 0.0011 | P        | 12.3 |

$$y = 3.0649E-004 * x + 6.3593E-006$$

$$R = 1.0000$$

$$DL = 0.04936$$

$$BEC = 0.02075$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.45   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 34.6 |
| 3 | <input type="checkbox"/> |       |            | 17.78  |       | P        | 43.3 |
| 4 | <input type="checkbox"/> |       |            | 53.33  |       | P        | 54.5 |
| 5 | <input type="checkbox"/> |       |            | 140.00 |       | P        | 12.6 |
| 6 | <input type="checkbox"/> |       |            | 251.12 |       | P        | 12.5 |
| 7 | <input type="checkbox"/> |       |            | 440.02 |       | P        | 19.8 |
| 8 | <input type="checkbox"/> |       |            | 24.45  |       | P        | 15.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7 |
| 2 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7 |
| 5 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 65.5 |
| 6 | <input type="checkbox"/> |       |            | 16.66 |       | P        | 34.6 |
| 7 | <input type="checkbox"/> |       |            | 34.45 |       | P        | 11.2 |
| 8 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 8.33   |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 16.66  |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 78.1 |
| 4 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 35.3 |
| 5 | <input type="checkbox"/> |       |            | 75.00  |       | P        | 22.2 |
| 6 | <input type="checkbox"/> |       |            | 172.23 |       | P        | 5.6  |
| 7 | <input type="checkbox"/> |       |            | 252.79 |       | P        | 24.7 |
| 8 | <input type="checkbox"/> |       |            | 877.83 |       | P        | 6.7  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 43.4 |
| 4 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 22.9 |
| 5 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 26.4 |
| 6 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 9.6  |
| 7 | <input type="checkbox"/> |       |            | 135.56 |       | P        | 13.5 |
| 8 | <input type="checkbox"/> |       |            | 375.57 |       | P        | 14.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 44.44  |       | P        | 60.3 |
| 2 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 48.2 |
| 3 | <input type="checkbox"/> |       |            | 52.78  |       | P        | 39.7 |
| 4 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 70.0 |
| 5 | <input type="checkbox"/> |       |            | 86.12  |       | P        | 24.4 |
| 6 | <input type="checkbox"/> |       |            | 141.67 |       | P        | 5.9  |
| 7 | <input type="checkbox"/> |       |            | 269.45 |       | P        | 4.7  |
| 8 | <input type="checkbox"/> |       |            | 986.18 |       | P        | 22.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 98.89  |       | P        | 5.1  |
| 2 | <input type="checkbox"/> |       |            | 73.33  |       | P        | 15.7 |
| 3 | <input type="checkbox"/> |       |            | 94.45  |       | P        | 8.2  |
| 4 | <input type="checkbox"/> |       |            | 104.45 |       | P        | 35.2 |
| 5 | <input type="checkbox"/> |       |            | 117.78 |       | P        | 16.1 |
| 6 | <input type="checkbox"/> |       |            | 120.00 |       | P        | 25.5 |
| 7 | <input type="checkbox"/> |       |            | 154.45 |       | P        | 12.6 |
| 8 | <input type="checkbox"/> |       |            | 477.79 |       | P        | 7.3  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 33.3 |
| 2 | <input type="checkbox"/> |       |            | 47.22 |       | P        | 27.0 |
| 3 | <input type="checkbox"/> |       |            | 63.89 |       | P        | 7.5  |
| 4 | <input type="checkbox"/> |       |            | 50.00 |       | P        | 44.1 |
| 5 | <input type="checkbox"/> |       |            | 41.67 |       | P        | 20.0 |
| 6 | <input type="checkbox"/> |       |            | 80.56 |       | P        | 39.2 |
| 7 | <input type="checkbox"/> |       |            | 94.45 |       | P        | 18.4 |
| 8 | <input type="checkbox"/> |       |            | 80.56 |       | P        | 33.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 17.78 |       | P        | 47.2 |
| 2 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 34.7 |
| 3 | <input type="checkbox"/> |       |            | 14.44 |       | P        | 66.6 |
| 4 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 10.2 |
| 5 | <input type="checkbox"/> |       |            | 15.56 |       | P        | 32.7 |
| 6 | <input type="checkbox"/> |       |            | 24.45 |       | P        | 43.8 |
| 7 | <input type="checkbox"/> |       |            | 37.78 |       | P        | 39.8 |
| 8 | <input type="checkbox"/> |       |            | 24.44 |       | P        | 41.7 |

**172 Yb [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 53.3 |
| 2 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 48.0 |
| 3 | <input type="checkbox"/> |       |            | 47.22  |       | P        | 53.9 |
| 4 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 33.3 |
| 5 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 60.1 |
| 6 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 43.3 |
| 7 | <input type="checkbox"/> |       |            | 100.00 |       | P        | 30.0 |
| 8 | <input type="checkbox"/> |       |            | 327.79 |       | P        | 10.3 |

**172 Yb [He] No available calibration points**

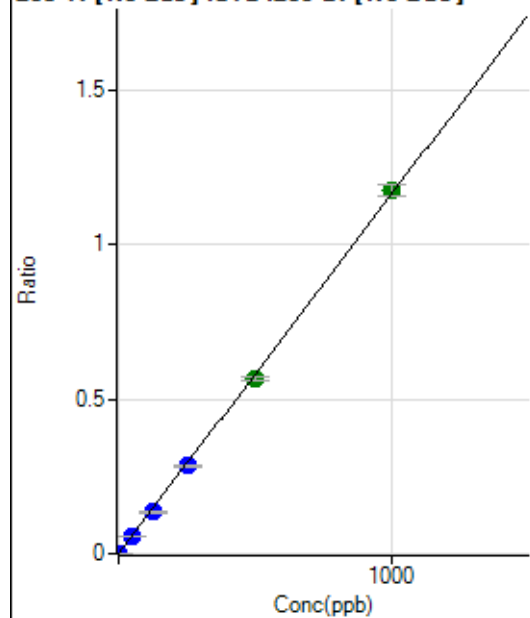
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 20.37  |       | P        | 41.7 |
| 2 | <input type="checkbox"/> |       |            | 20.37  |       | P        | 31.5 |
| 3 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 34.6 |
| 4 | <input type="checkbox"/> |       |            | 31.48  |       | P        | 40.7 |
| 5 | <input type="checkbox"/> |       |            | 31.48  |       | P        | 20.4 |
| 6 | <input type="checkbox"/> |       |            | 33.34  |       | P        | 44.1 |
| 7 | <input type="checkbox"/> |       |            | 51.85  |       | P        | 27.0 |
| 8 | <input type="checkbox"/> |       |            | 142.59 |       | P        | 4.5  |

**176 Yb [No Gas] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|----------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 752.82   |       | P        | 12.6 |
| 2 | <input type="checkbox"/> |       |            | 772.27   |       | P        | 9.2  |
| 3 | <input type="checkbox"/> |       |            | 1633.48  |       | P        | 11.4 |
| 4 | <input type="checkbox"/> |       |            | 2742.04  |       | P        | 7.6  |
| 5 | <input type="checkbox"/> |       |            | 4781.54  |       | P        | 3.6  |
| 6 | <input type="checkbox"/> |       |            | 8953.27  |       | P        | 3.0  |
| 7 | <input type="checkbox"/> |       |            | 17220.01 |       | P        | 0.3  |
| 8 | <input type="checkbox"/> |       |            | 975.06   |       | P        | 4.4  |

**176 Yb [He] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 6309.04  |       | P        | 4.4 |
| 2 | <input type="checkbox"/> |       |            | 6601.77  |       | P        | 1.3 |
| 3 | <input type="checkbox"/> |       |            | 6614.75  |       | P        | 3.0 |
| 4 | <input type="checkbox"/> |       |            | 7291.02  |       | P        | 4.3 |
| 5 | <input type="checkbox"/> |       |            | 8006.29  |       | P        | 2.7 |
| 6 | <input type="checkbox"/> |       |            | 9455.40  |       | P        | 1.8 |
| 7 | <input type="checkbox"/> |       |            | 12782.30 |       | P        | 3.3 |
| 8 | <input type="checkbox"/> |       |            | 6562.88  |       | P        | 2.3 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 197.23     | 0.0001 | P        | 4.3  |
| 2 | <input type="checkbox"/> | 1.000    | 0.831      | 3417.20    | 0.0010 | P        | 5.9  |
| 3 | <input type="checkbox"/> | 50.000   | 45.781     | 180163.39  | 0.0533 | P        | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 115.906    | 454064.08  | 0.1348 | P        | 2.8  |
| 5 | <input type="checkbox"/> | 250.000  | 245.612    | 919026.00  | 0.2857 | P        | 1.9  |
| 6 | <input type="checkbox"/> | 500.000  | 485.697    | 1877988.80 | 0.5649 | A        | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 1009.597   | 3799239.23 | 1.1741 | A        | 3.2  |
| 8 | <input type="checkbox"/> |          |            | 1355.68    | 0.0005 | P        | 17.0 |

$$y = 0.0012 * x + 5.9087E-005$$

$$R = 0.9998$$

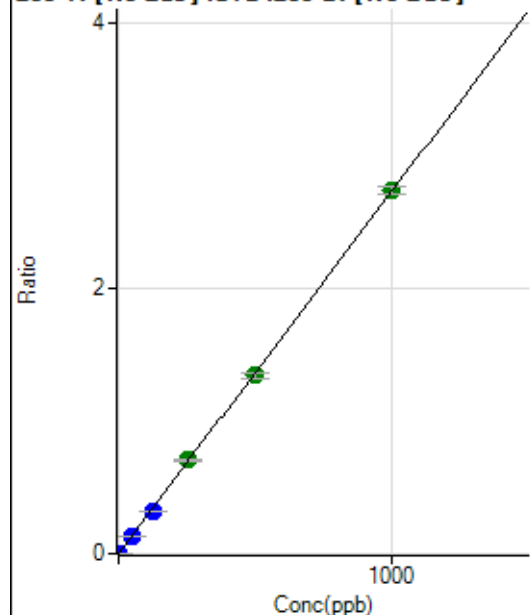
$$DL = 0.006572$$

$$BEC = 0.05081$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 491.69     | 0.0001 | P    | 2.5  |
| 2 | <input type="checkbox"/> | 1.000    | 0.869      | 8380.78    | 0.0025 | P    | 7.0  |
| 3 | <input type="checkbox"/> | 50.000   | 46.651     | 429841.28  | 0.1272 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 125.000  | 117.617    | 1079153.47 | 0.3204 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 250.000  | 259.843    | 2277192.82 | 0.7077 | A    | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 492.387    | 4458207.39 | 1.3410 | A    | 2.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.436   | 8833628.06 | 2.7300 | A    | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 3470.12    | 0.0012 | P    | 14.3 |

$$y = 0.0027 * x + 1.4717E-004$$

$$R = 0.9999$$

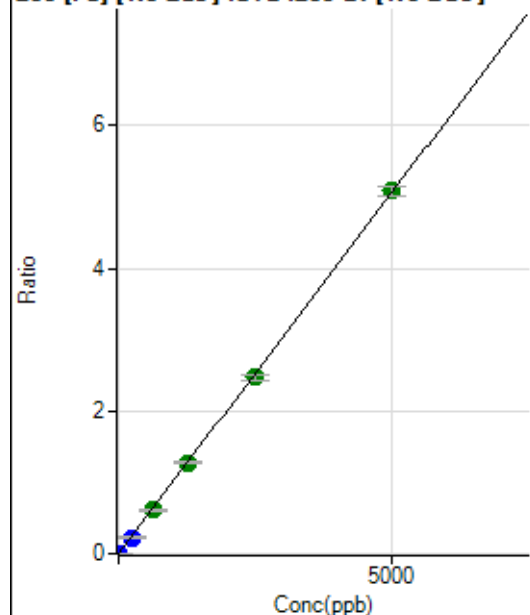
$$DL = 0.004083$$

$$BEC = 0.05404$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 527.80      | 0.0002 | P    | 11.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.838      | 3352.35     | 0.0010 | P    | 6.1  |
| 3 | <input type="checkbox"/> | 250.000  | 223.903    | 765837.44   | 0.2266 | P    | 3.1  |
| 4 | <input type="checkbox"/> | 625.000  | 608.031    | 2071333.54  | 0.6151 | A    | 3.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1260.843   | 4103808.40  | 1.2754 | A    | 1.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2446.939   | 8227157.01  | 2.4751 | A    | 3.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 5027.246   | 16453704.76 | 5.0849 | A    | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 6290.77     | 0.0021 | P    | 12.7 |

$$y = 0.0010 * x + 1.5819E-004$$

$$R = 0.9999$$

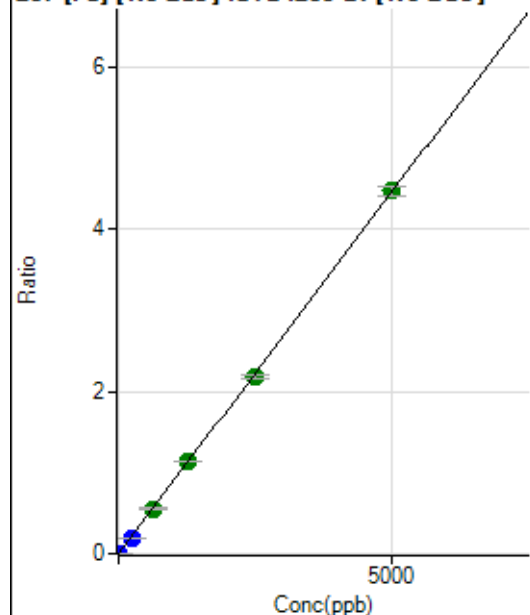
$$DL = 0.05472$$

$$BEC = 0.1564$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 487.05      | 0.0001 | P        | 10.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.808      | 2889.27     | 0.0009 | P        | 3.2  |
| 3 | <input type="checkbox"/> | 250.000  | 223.846    | 675345.22   | 0.1998 | P        | 0.9  |
| 4 | <input type="checkbox"/> | 625.000  | 615.616    | 1848788.47  | 0.5492 | A        | 4.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1279.112   | 3670795.22  | 1.1409 | A        | 1.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2448.366   | 7260954.50  | 2.1837 | A        | 1.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 5021.020   | 14490052.75 | 4.4781 | A        | 2.6  |
| 8 | <input type="checkbox"/> |          |            | 5423.68     | 0.0018 | P        | 14.7 |

$$y = 8.9184\text{E-}004 * x + 1.4593\text{E-}004$$

$$R = 0.9999$$

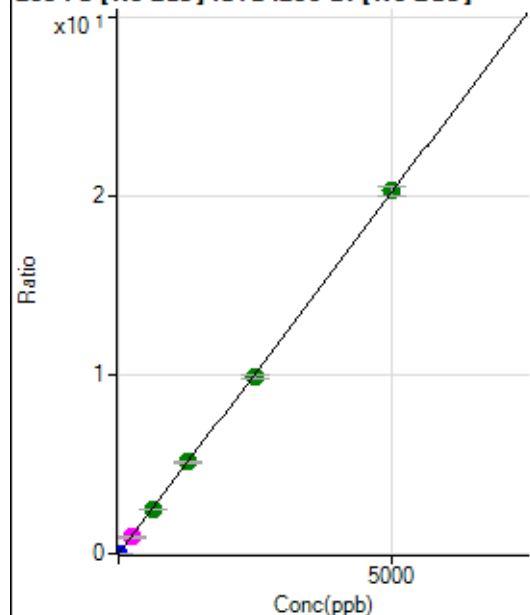
$$DL = 0.04984$$

$$BEC = 0.1636$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2172.33     | 0.0007  | P        | 4.4  |
| 2 | <input type="checkbox"/> | 1.000    | 0.823      | 13245.48    | 0.0040  | P        | 4.2  |
| 3 | <input type="checkbox"/> | 250.000  | 226.927    | 3097759.36  | 0.9163  | M        | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 611.555    | 8311311.34  | 2.4683  | A        | 3.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1265.497   | 16432860.12 | 5.1070  | A        | 1.2  |
| 6 | <input type="checkbox"/> | 2500.000 | 2447.244   | 32828557.97 | 9.8753  | A        | 2.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 5025.338   | 65614663.85 | 20.2780 | A        | 2.8  |
| 8 | <input type="checkbox"/> |          |            | 24770.41    | 0.0083  | P        | 12.8 |

$$y = 0.0040 * x + 6.5070\text{E-}004$$

$$R = 0.9999$$

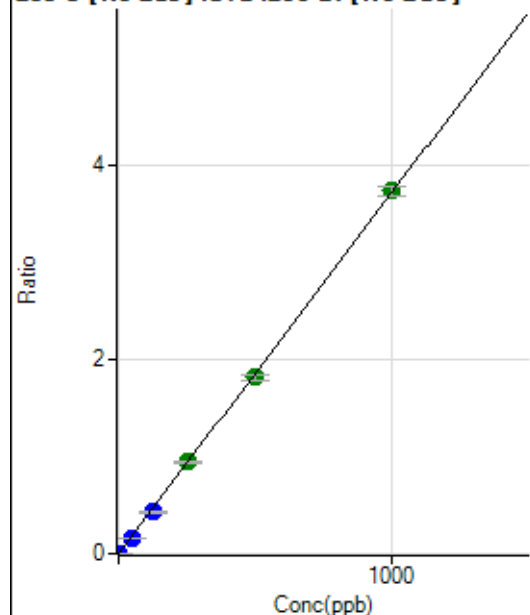
$$DL = 0.02115$$

$$BEC = 0.1613$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.11       | 0.0000 | P    | 42.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.874      | 10888.32    | 0.0033 | P    | 5.1  |
| 3 | <input type="checkbox"/> | 50.000   | 44.911     | 563876.54   | 0.1668 | P    | 1.8  |
| 4 | <input type="checkbox"/> | 125.000  | 114.733    | 1434954.81  | 0.4261 | P    | 2.4  |
| 5 | <input type="checkbox"/> | 250.000  | 254.554    | 3040262.57  | 0.9454 | A    | 3.1  |
| 6 | <input type="checkbox"/> | 500.000  | 488.380    | 6029760.38  | 1.8137 | A    | 3.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.210   | 12091516.16 | 3.7368 | A    | 2.5  |
| 8 | <input type="checkbox"/> |          |            | 2731.10     | 0.0009 | P    | 28.8 |

$$y = 0.0037 * x + 1.8316E-005$$

$$R = 0.9998$$

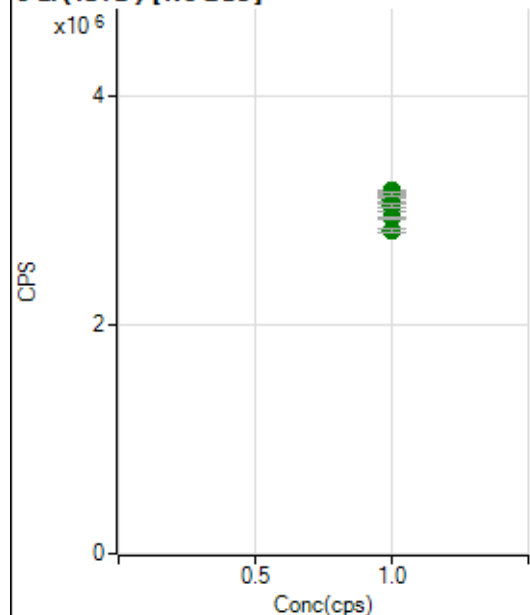
$$DL = 0.006259$$

$$BEC = 0.004932$$

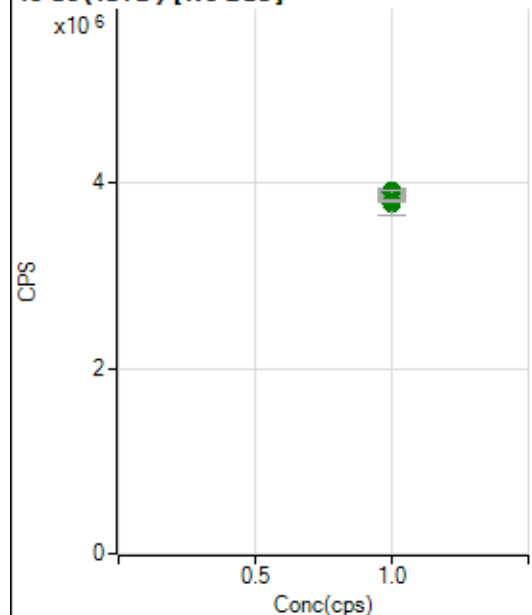
Weight: &lt;None&gt;

Min Conc: 0

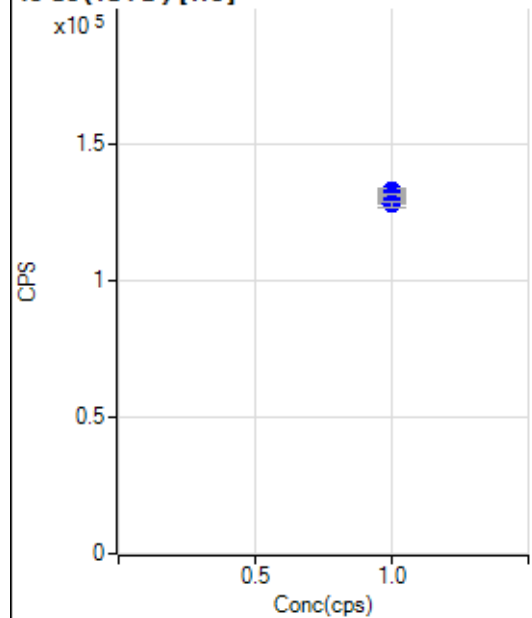
6 Li (ISTD) [No Gas]



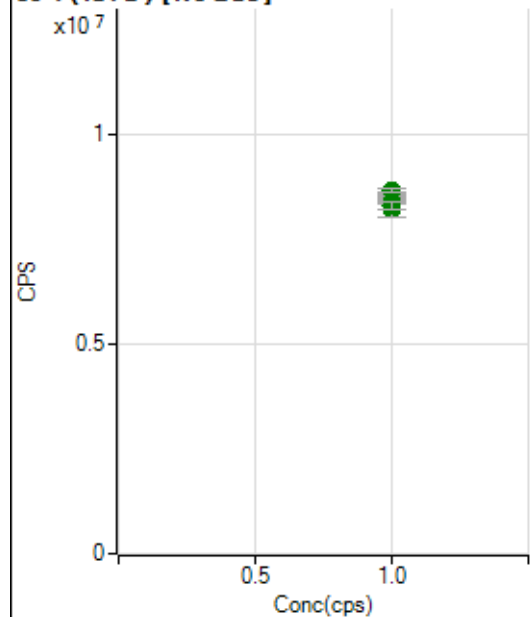
|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3167593.40 |       | A    | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3095839.07 |       | A    | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3145314.50 |       | A    | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3128829.60 |       | A    | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3055023.36 |       | A    | 4.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3038222.05 |       | A    | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2934391.77 |       | A    | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2817391.01 |       | A    | 1.5 |

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

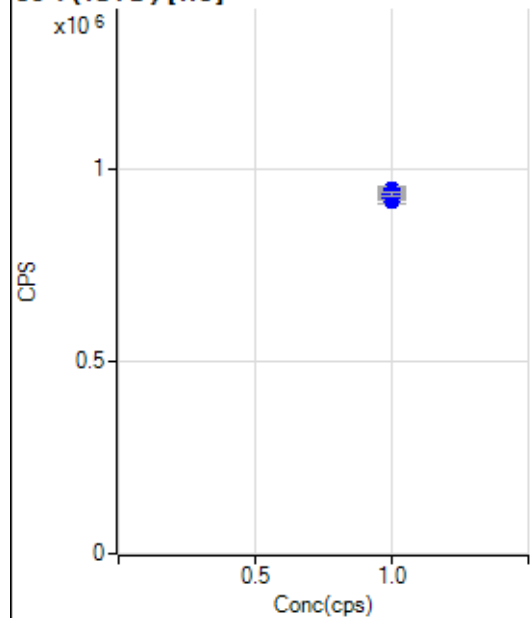
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3851031.09 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3844425.40 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3906454.18 |       | A        | 2.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3917387.20 |       | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3782864.49 |       | A        | 6.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3830025.78 |       | A        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3895240.43 |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3805483.80 |       | A        | 0.7 |

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

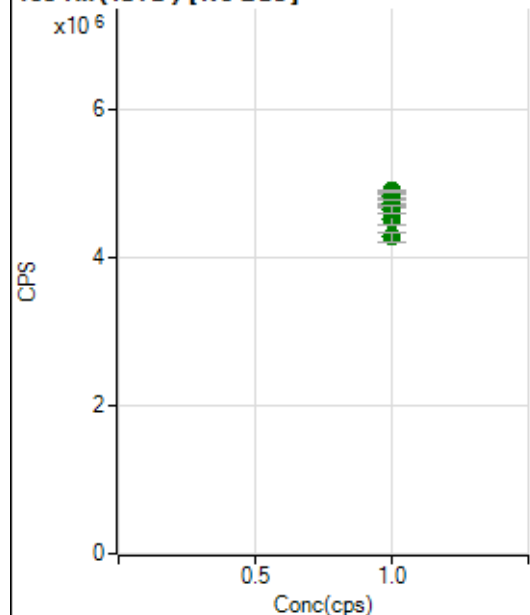
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 132622.80 |       | P        | 1.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 130769.41 |       | P        | 2.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 131649.56 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 130846.30 |       | P        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 128363.76 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 131228.57 |       | P        | 3.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 131000.36 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 127671.09 |       | P        | 1.6 |

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

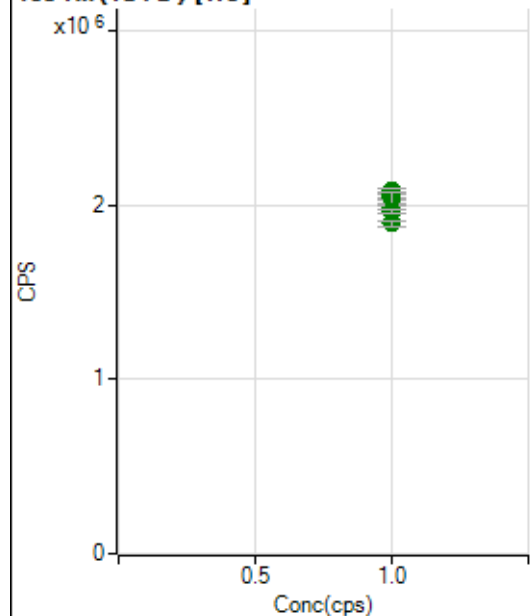
|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8443267.58 |       | A    | 1.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8561998.62 |       | A    | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8549701.75 |       | A    | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8473524.60 |       | A    | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8219500.50 |       | A    | 5.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8545683.07 |       | A    | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8650763.21 |       | A    | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8299646.75 |       | A    | 2.5 |

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

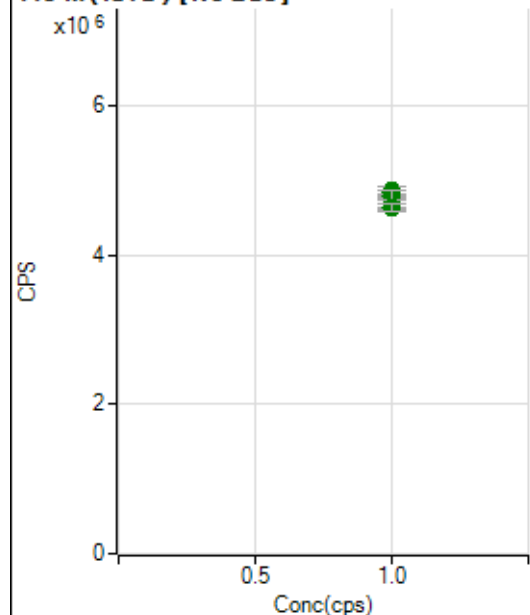
|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS       | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-----------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 944431.76 |       | P    | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 937506.26 |       | P    | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 941327.04 |       | P    | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 929015.75 |       | P    | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 922100.56 |       | P    | 2.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 941376.80 |       | P    | 3.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 927331.16 |       | P    | 1.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 936494.91 |       | P    | 0.7 |

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

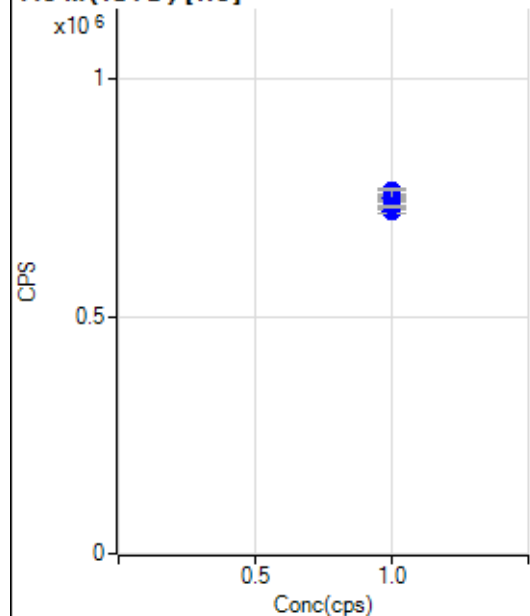
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4832452.15 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4834517.38 |       | A        | 2.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4906557.53 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4725832.44 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4516780.87 |       | A        | 3.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4743256.22 |       | A        | 2.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4663548.33 |       | A        | 2.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4285216.28 |       | A        | 2.9 |

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

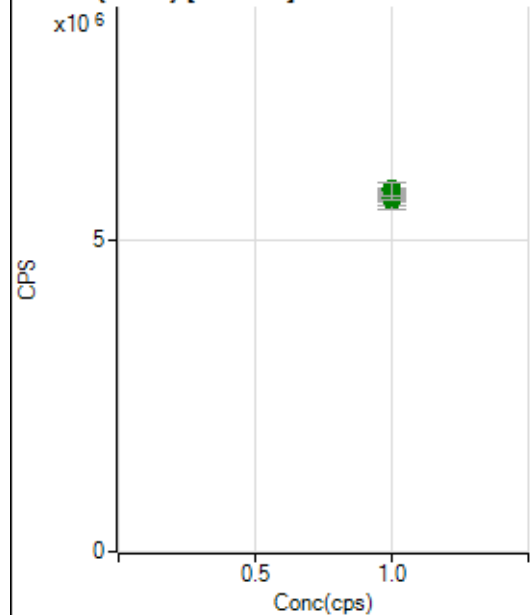
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2080107.05 |       | A        | 1.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2084014.81 |       | A        | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2056925.40 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2069646.91 |       | A        | 3.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1991761.58 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2038124.21 |       | A        | 3.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1967380.71 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1897189.15 |       | A        | 1.6 |

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

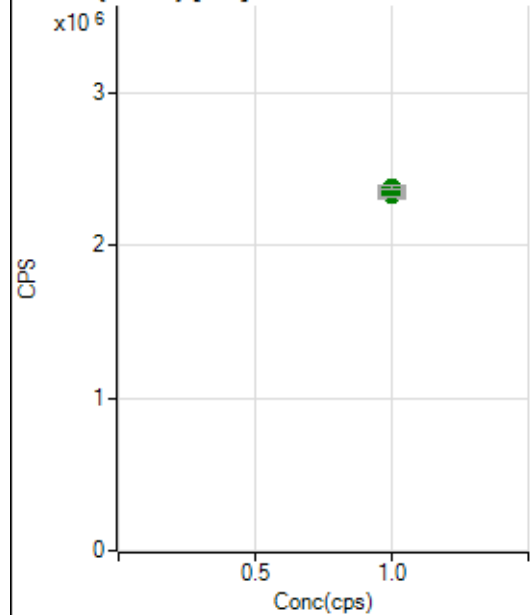
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4813474.55 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4857668.28 |       | A        | 2.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4841736.00 |       | A        | 1.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4804294.70 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4687313.72 |       | A        | 3.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4696958.08 |       | A        | 2.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4797141.39 |       | A        | 2.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4630731.47 |       | A        | 2.5 |

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

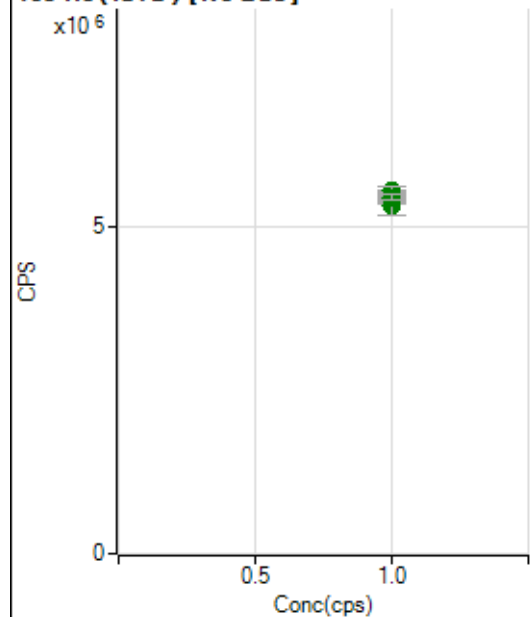
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 764987.22 |       | P        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 750108.21 |       | P        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 746373.67 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 752031.88 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 735313.01 |       | P        | 2.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 749035.78 |       | P        | 4.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 721155.31 |       | P        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 732367.90 |       | P        | 0.4 |

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

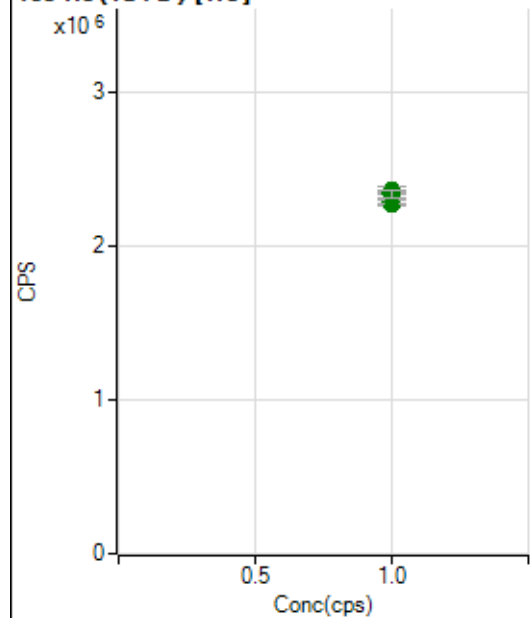
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5625422.62 |       | A        | 2.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5714483.25 |       | A        | 2.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5798684.29 |       | A        | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5681838.60 |       | A        | 2.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5651152.48 |       | A        | 5.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5799572.83 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5686117.83 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5828717.69 |       | A        | 3.4 |

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

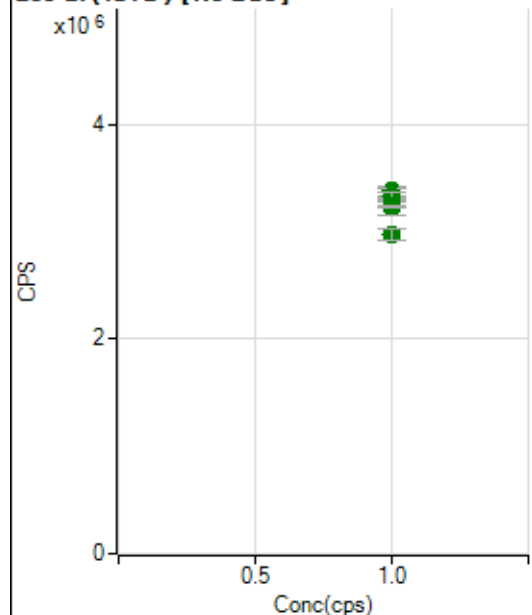
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2339290.47 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2342251.72 |       | A        | 2.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2345532.05 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2372854.19 |       | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2328106.08 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2343462.00 |       | A        | 3.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2355894.44 |       | A        | 3.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2375620.76 |       | A        | 0.9 |

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

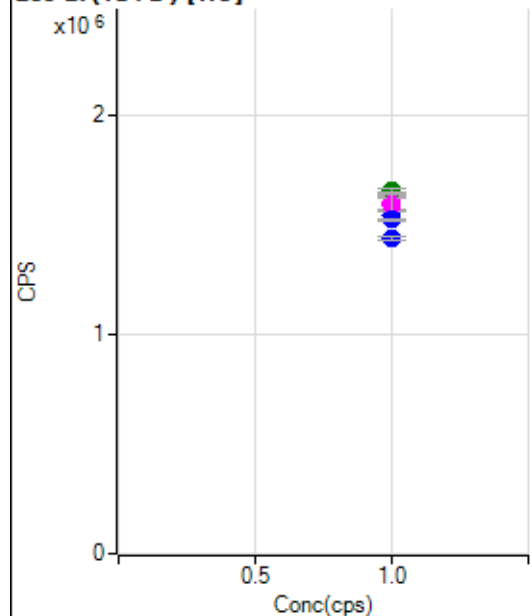
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5432125.60 |       | A        | 2.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5449351.21 |       | A        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5542304.46 |       | A        | 2.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5397764.75 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5320680.59 |       | A        | 4.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5552861.75 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5560934.93 |       | A        | 2.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5461029.94 |       | A        | 1.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2287868.80 |       | A        | 2.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2279498.39 |       | A        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2295453.37 |       | A        | 1.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2360695.66 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2318328.68 |       | A        | 1.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2350910.75 |       | A        | 3.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2351143.78 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2341972.15 |       | A        | 2.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3339854.67 |       | A        | 2.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3335685.19 |       | A        | 2.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3381041.69 |       | A        | 3.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3368572.24 |       | A        | 2.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3218795.40 |       | A        | 4.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3325886.86 |       | A        | 2.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3235942.52 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2982729.12 |       | A        | 3.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1600859.65 |       | M        | 3.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1654349.49 |       | A        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1564515.63 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1594565.86 |       | M        | 3.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1544489.93 |       | P        | 2.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1582855.45 |       | M        | 8.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1522268.43 |       | P        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1436031.59 |       | P        | 1.2 |

# US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP8122222-MS.b

Acq. Date-Time 2022-12-22 14:45:06

Report Comment ---

Instrument Name G8403A SG19224459

[No Gas]

## Sensitivity

| Mass | Conc. [ug/l] | Count  | CPS        | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%   | RSD% (Required) |
|------|--------------|--------|------------|----------------------------|-------------|--------|-----------------|
| 9    |              | 12817  | 128174.50  |                            |             | 3.329  | 5.000           |
| 24   |              | 213475 | 2134746.77 |                            |             | 3.007  | 5.000           |
| 25   |              | 28171  | 281708.54  |                            |             | 2.535  | 5.000           |
| 26   |              | 33190  | 331902.83  |                            |             | 2.463  | 5.000           |
| 59   |              | 56804  | 568039.15  |                            |             | 3.502  | 5.000           |
| 113  |              | 5798   | 57979.70   |                            |             | 3.082  | 5.000           |
| 115  |              | 70498  | 704980.05  |                            |             | 4.367  | 5.000           |
| 206  |              | 13760  | 137601.81  |                            |             | 3.279  | 5.000           |
| 207  |              | 12363  | 123632.07  |                            |             | 2.650  | 5.000           |
| 208  |              | 29310  | 293096.76  |                            |             | 3.365  | 5.000           |
| 220  |              | 1      | 7.60       |                            |             | 24.791 |                 |

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

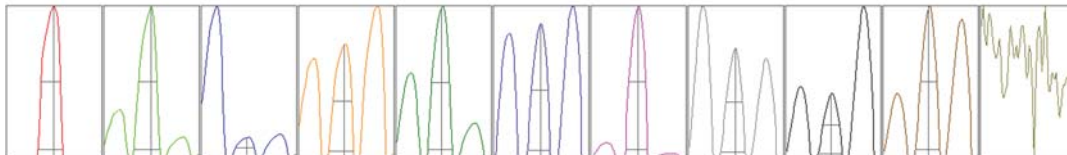
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 12649       | 13516       | 12790       | 12773       | 12360       |
| 24   | 213870      | 223956      | 210095      | 212494      | 206958      |
| 25   | 27974       | 29316       | 28072       | 28145       | 27347       |
| 26   | 33289       | 34342       | 33122       | 33162       | 32036       |
| 59   | 55855       | 59761       | 56522       | 57460       | 54422       |
| 113  | 5735        | 6052        | 5823        | 5823        | 5557        |
| 115  | 69588       | 75350       | 70467       | 70258       | 66826       |
| 206  | 13518       | 14433       | 13639       | 13952       | 13259       |
| 207  | 12223       | 12779       | 12388       | 12522       | 11904       |
| 208  | 28784       | 30627       | 29843       | 29247       | 28048       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 22473.93    | 9.00   | 8.90 - 9.10     |             |
| 24   | 393376.47   | 24.00  | 23.90 - 24.10   |             |
| 25   | 49775.35    | 24.95  | 24.90 - 25.10   |             |
| 26   | 57952.97    | 25.95  | 25.90 - 26.10   |             |
| 59   | 105517.64   | 58.95  | 58.90 - 59.10   |             |
| 113  | 11710.71    | 113.00 | 112.90 - 113.10 |             |
| 115  | 140709.08   | 115.00 | 114.90 - 115.10 |             |
| 206  | 27661.01    | 206.00 | 205.90 - 206.10 |             |
| 207  | 24971.72    | 206.95 | 206.90 - 207.10 |             |
| 208  | 58700.56    | 207.95 | 207.90 - 208.10 |             |
| 220  |             |        | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.61  | 0.779 | 0.900           |             |
| 24   | 0.58  | 0.822 | 0.900           |             |
| 25   | 0.59  | 0.744 | 0.900           |             |
| 26   | 0.61  | 0.784 | 0.900           |             |
| 59   | 0.56  | 0.777 | 0.900           |             |
| 113  | 0.52  | 0.717 | 0.900           |             |
| 115  | 0.53  | 0.689 | 0.900           |             |
| 206  | 0.52  | 0.766 | 0.900           |             |
| 207  | 0.52  | 0.766 | 0.900           |             |
| 208  | 0.51  | 0.770 | 0.900           |             |
| 220  | 0.70  |       |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.87 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  | 1.40 V  | Nebulizer Pump | 0.10 rps | Plasma Gas    | 15.0 L/min |
| Sample Depth | 10.0 mm | S/C Temp       | 2 °C     |               |            |

## Lens Parameters

|            |          |               |        |            |        |
|------------|----------|---------------|--------|------------|--------|
| Extract 1  | -6.0 V   | Omega Lens    | 10.0 V | Deflect    | 15.8 V |
| Extract 2  | -185.0 V | Cell Entrance | -30 V  | Plate Bias | -50 V  |
| Omega Bias | -90 V    | Cell Exit     | -50 V  |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 4.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 200 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 124 | Axis Gain   | 0.9994 | QP Bias | -4.0 V |
| Mass Offset | 124 | Axis Offset | -0.04  |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 0.8 mm | Torch V | -0.9 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.4 mV | Analog HV | 2299 V | Pulse HV | 1622 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 12067 | 120672.29 |                            |             | 3.089 |                 |
| 89   |              | 23736 | 237362.27 |                            |             | 2.409 |                 |
| 205  |              | 9300  | 92996.01  |                            |             | 2.040 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 11420       | 12109       | 12216       | 12230       | 12362       |
| 89   | 22755       | 23793       | 24127       | 23851       | 24155       |
| 205  | 8993        | 9438        | 9470        | 9327        | 9270        |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |         |                |            |               |            |
|--------------|---------|----------------|------------|---------------|------------|
| Plasma Mode  | ---     | Nebulizer Gas  | 0.87 L/min | Dilution Gas  | 0.40 L/min |
| RF Power     | 1600 W  | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.40 V  | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 10.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |        |            |        |         |       |
|-----------|--------|------------|--------|---------|-------|
| Extract 1 | -6.0 V | Omega Lens | 10.0 V | Deflect | 4.0 V |
|-----------|--------|------------|--------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -185.0 V | Cell Entrance | -50 V | Plate Bias | -60 V |
| Omega Bias | -90 V    | Cell Exit     | -70 V |            |       |

## Cell Parameters

|         |            |              |         |                       |       |
|---------|------------|--------------|---------|-----------------------|-------|
| Use Gas | Yes        | 3rd Gas Flow | ---     | Energy Discrimination | 5.0 V |
| He Flow | 4.5 mL/min | OctP Bias    | -18.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 200 V   |                       |       |

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 124 | Axis Gain   | 0.9994 | QP Bias | -13.0 V |
| Mass Offset | 124 | Axis Offset | -0.04  |         |         |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 0.8 mm | Torch V | -0.9 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.4 mV | Analog HV | 2299 V | Pulse HV | 1622 V |
|---------------|--------|-----------|--------|----------|--------|