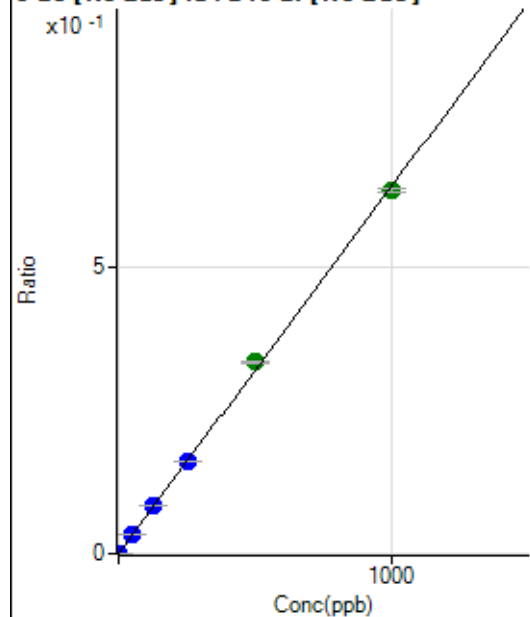


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8081421MS.b\  
Analysis File: P8081421MS.batch.bin  
DA Date-Time: 2021-08-15 07:40:24  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 002CALB.d          | S00         | 2021-08-14 07:15:53 |
| 2     | 003CALS.d          | S02         | 2021-08-14 07:18:56 |
| 3     | 004CALS.d          | S03         | 2021-08-14 07:22:01 |
| 4     | 005CALS.d          | S04         | 2021-08-14 07:25:04 |
| 5     | 006CALS.d          | S05         | 2021-08-14 07:28:09 |
| 6     | 007CALS.d          | S06         | 2021-08-14 07:31:13 |
| 7     | 008CALS.d          | S07         | 2021-08-14 07:34:18 |
| 8     | 009CALS.d          | S08         | 2021-08-14 07:37:22 |

**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      | 21.33      | 0.0000 | P    | 29.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.091      | 3958.43    | 0.0007 | P    | 2.5  |
| 3 | <input type="checkbox"/> | 50.000   | 51.243     | 188110.11  | 0.0328 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 130.207    | 461535.52  | 0.0832 | P    | 2.5  |
| 5 | <input type="checkbox"/> | 250.000  | 251.818    | 906462.19  | 0.1610 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 521.417    | 1825139.35 | 0.3333 | A    | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 988.124    | 3428621.62 | 0.6317 | A    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 151.97     | 0.0000 | P    | 13.6 |

$$y = 6.3925\text{E-}004 * x + 3.8463\text{E-}006$$

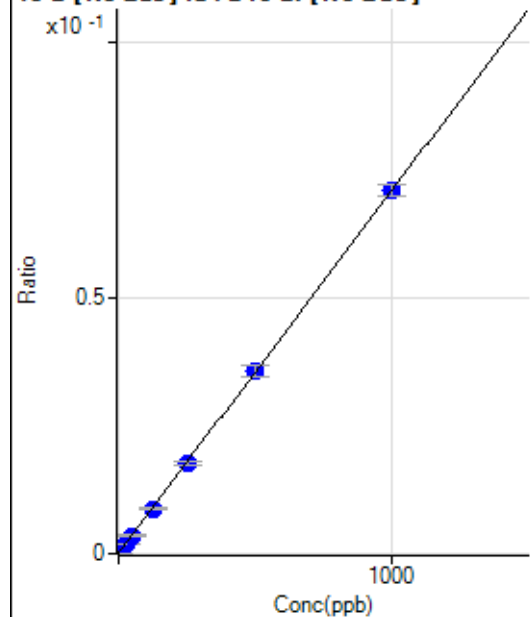
$$R = 0.9996$$

$$DL = 0.005364$$

$$BEC = 0.006017$$

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      | 600.56    | 0.0001 | P    | 2.7 |
| 2 | <input type="checkbox"/> | 25.000   | 24.101     | 10236.90  | 0.0018 | P    | 9.2 |
| 3 | <input type="checkbox"/> | 50.000   | 48.735     | 20442.17  | 0.0036 | P    | 3.2 |
| 4 | <input type="checkbox"/> | 125.000  | 122.105    | 48587.00  | 0.0088 | P    | 5.0 |
| 5 | <input type="checkbox"/> | 250.000  | 245.720    | 98624.72  | 0.0175 | P    | 4.5 |
| 6 | <input type="checkbox"/> | 500.000  | 502.962    | 195619.61 | 0.0357 | P    | 5.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.037   | 385089.06 | 0.0709 | P    | 3.3 |
| 8 | <input type="checkbox"/> |          |            | 32252.40  | 0.0063 | P    | 8.9 |

$$y = 7.0821\text{E-}005 * x + 1.0839\text{E-}004$$

$$R = 1.0000$$

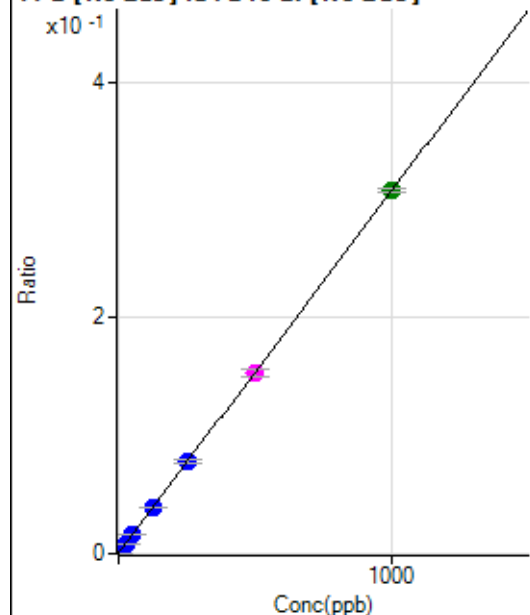
$$DL = 0.1242$$

$$BEC = 1.53$$

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      | 2699.72    | 0.0005 | P    | 3.5  |
| 2 | <input type="checkbox"/> | 25.000   | 24.780     | 45679.09   | 0.0081 | P    | 8.0  |
| 3 | <input type="checkbox"/> | 50.000   | 50.007     | 91008.10   | 0.0158 | P    | 3.5  |
| 4 | <input type="checkbox"/> | 125.000  | 126.531    | 218348.23  | 0.0394 | P    | 2.8  |
| 5 | <input type="checkbox"/> | 250.000  | 252.624    | 439806.07  | 0.0781 | P    | 3.3  |
| 6 | <input type="checkbox"/> | 500.000  | 498.079    | 840232.10  | 0.1535 | M    | 3.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.118   | 1670426.71 | 0.3077 | A    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 144214.36  | 0.0282 | P    | 10.1 |

$$y = 3.0719E-004 * x + 4.8729E-004$$

$$R = 1.0000$$

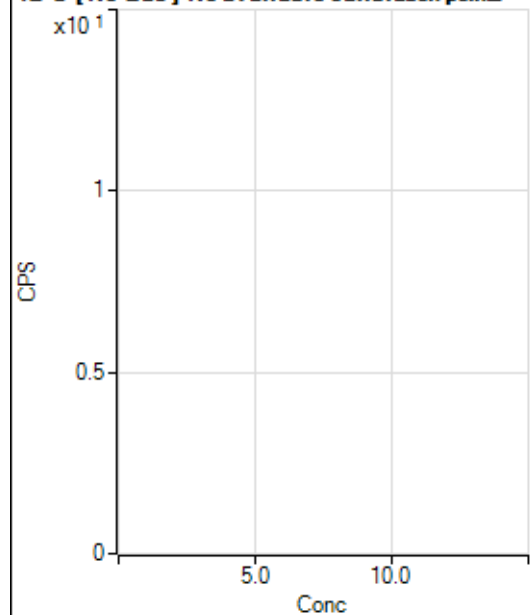
$$DL = 0.1667$$

$$BEC = 1.586$$

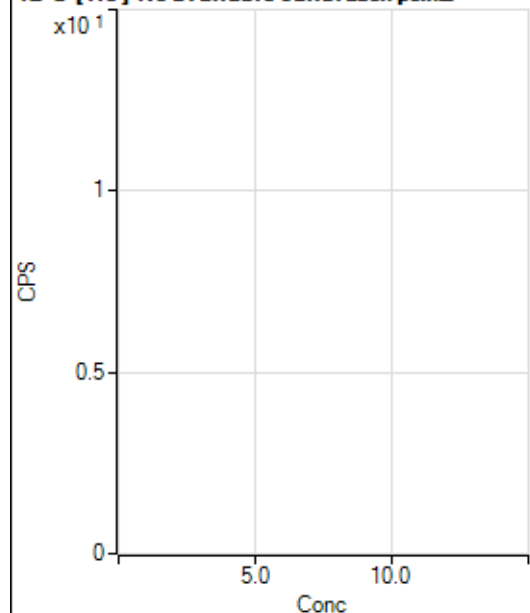
Weight: &lt;None&gt;

Min Conc: 0

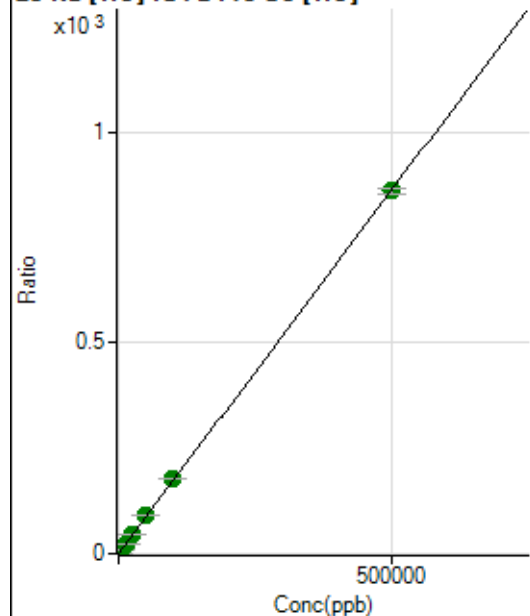
12 C [No Gas] No available calibration points



|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS         | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-------------|-------|------|-----|
| 1 | <input type="checkbox"/> |       |            | 5919265.76  |       | A    | 0.6 |
| 2 | <input type="checkbox"/> |       |            | 6042982.69  |       | A    | 0.7 |
| 3 | <input type="checkbox"/> |       |            | 7708508.85  |       | A    | 1.4 |
| 4 | <input type="checkbox"/> |       |            | 8184868.33  |       | A    | 3.3 |
| 5 | <input type="checkbox"/> |       |            | 8207671.54  |       | A    | 3.0 |
| 6 | <input type="checkbox"/> |       |            | 9904924.00  |       | A    | 4.9 |
| 7 | <input type="checkbox"/> |       |            | 13325558.89 |       | A    | 5.3 |
| 8 | <input type="checkbox"/> |       |            | 8465725.97  |       | A    | 0.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 59272.98  |       | P        | 0.8 |
| 2 | <input type="checkbox"/> |       |            | 61638.19  |       | P        | 2.9 |
| 3 | <input type="checkbox"/> |       |            | 79588.03  |       | P        | 1.4 |
| 4 | <input type="checkbox"/> |       |            | 84643.91  |       | P        | 2.5 |
| 5 | <input type="checkbox"/> |       |            | 87999.89  |       | P        | 2.5 |
| 6 | <input type="checkbox"/> |       |            | 110369.63 |       | P        | 0.7 |
| 7 | <input type="checkbox"/> |       |            | 152265.89 |       | P        | 1.3 |
| 8 | <input type="checkbox"/> |       |            | 97042.95  |       | P        | 0.8 |

**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      | 13817.96    | 0.0520   | P        | 3.0 |
| 2 | <input type="checkbox"/> | 500.000   | 558.016    | 268215.72   | 1.0146   | P        | 0.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5391.265   | 2473797.58  | 9.3524   | A        | 1.1 |
| 4 | <input type="checkbox"/> | 12500.000 | 13205.004  | 6035140.72  | 22.8318  | A        | 1.0 |
| 5 | <input type="checkbox"/> | 25000.000 | 26163.569  | 12028477.53 | 45.1865  | A        | 1.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 51866.322  | 23953867.55 | 89.5260  | A        | 0.9 |
| 7 | <input type="checkbox"/> | 100000.00 | 103061.49  | 47909998.64 | 177.8422 | A        | 1.1 |
| 8 | <input type="checkbox"/> | 500000.00 | 499121.29  | 239124280.3 | 861.0804 | A        | 1.7 |

$$y = 0.0017 * x + 0.0520$$

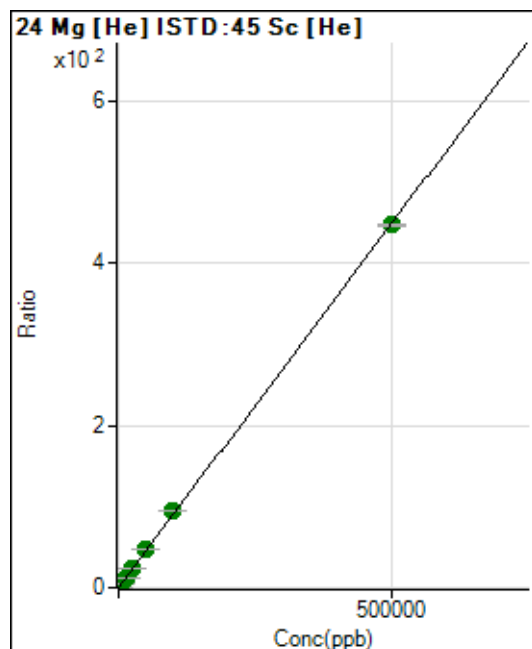
$$R = 1.0000$$

$$DL = 2.723$$

$$BEC = 30.15$$

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      | 141.67      | 0.0005   | P    | 10.5 |
| 2 | <input type="checkbox"/> | 500.000   | 569.579    | 135299.95   | 0.5118   | P    | 0.9  |
| 3 | <input type="checkbox"/> | 5000.000  | 5641.055   | 1339613.22  | 5.0641   | A    | 0.6  |
| 4 | <input type="checkbox"/> | 12500.000 | 13776.952  | 3268938.96  | 12.3672  | A    | 0.1  |
| 5 | <input type="checkbox"/> | 25000.000 | 26981.057  | 6447010.52  | 24.2196  | A    | 2.1  |
| 6 | <input type="checkbox"/> | 50000.000 | 53272.118  | 12794342.56 | 47.8193  | A    | 1.5  |
| 7 | <input type="checkbox"/> | 100000.00 | 106250.11  | 25693940.50 | 95.3741  | A    | 0.6  |
| 8 | <input type="checkbox"/> | 500000.00 | 498285.30  | 124213734.7 | 447.2777 | A    | 0.4  |

$$y = 8.9763\text{E-}004 * x + 5.3329\text{E-}004$$

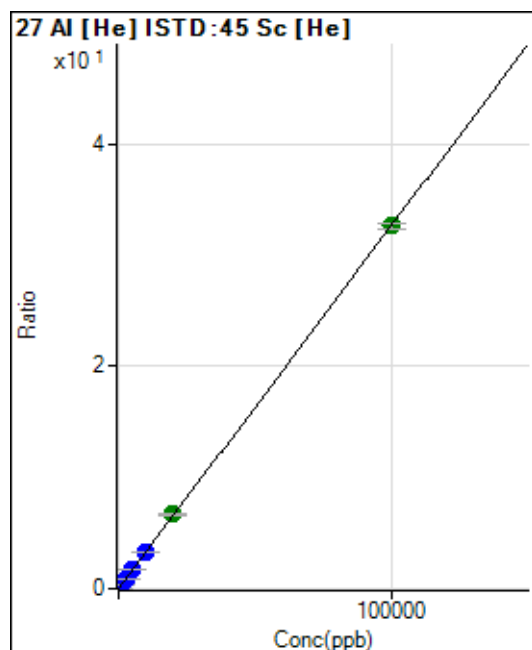
$$R = 0.9999$$

$$DL = 0.1864$$

$$BEC = 0.5941$$

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      | 131.65     | 0.0005  | P    | 11.1 |
| 2 | <input type="checkbox"/> | 20.000    | 22.641     | 2087.40    | 0.0079  | P    | 2.8  |
| 3 | <input type="checkbox"/> | 1000.000  | 1067.807   | 92455.69   | 0.3495  | P    | 0.7  |
| 4 | <input type="checkbox"/> | 2500.000  | 2605.227   | 225216.35  | 0.8520  | P    | 0.2  |
| 5 | <input type="checkbox"/> | 5000.000  | 5165.427   | 449585.24  | 1.6889  | P    | 1.2  |
| 6 | <input type="checkbox"/> | 10000.000 | 10118.434  | 885094.13  | 3.3078  | P    | 0.6  |
| 7 | <input type="checkbox"/> | 20000.000 | 20448.830  | 1800777.85 | 6.6844  | A    | 1.9  |
| 8 | <input type="checkbox"/> | 100000.00 | 99886.810  | 9066883.74 | 32.6496 | A    | 1.5  |

$$y = 3.2686\text{E-}004 * x + 4.9541\text{E-}004$$

$$R = 1.0000$$

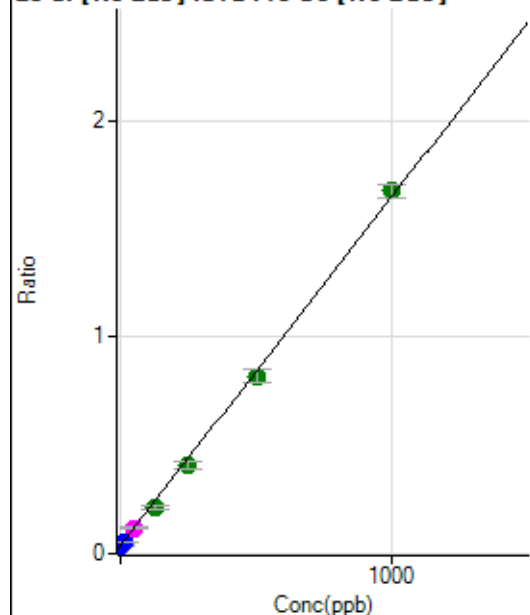
$$DL = 0.5065$$

$$BEC = 1.516$$

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      | 318394.87   | 0.0398 | P   | 1.8 |
| 2 | <input type="checkbox"/> | 10.000   | 7.990      | 423385.51   | 0.0527 | P   | 1.3 |
| 3 | <input type="checkbox"/> | 50.000   | 49.223     | 985239.03   | 0.1191 | M   | 9.6 |
| 4 | <input type="checkbox"/> | 125.000  | 107.708    | 1720602.30  | 0.2133 | A   | 5.6 |
| 5 | <input type="checkbox"/> | 250.000  | 228.774    | 3349386.62  | 0.4083 | A   | 8.8 |
| 6 | <input type="checkbox"/> | 500.000  | 484.846    | 6635634.96  | 0.8207 | A   | 6.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 1015.104   | 13581345.44 | 1.6746 | A   | 3.9 |
| 8 | <input type="checkbox"/> |          |            | 1925701.54  | 0.2366 | A   | 4.9 |

$$y = 0.0016 * x + 0.0398$$

$$R = 0.9995$$

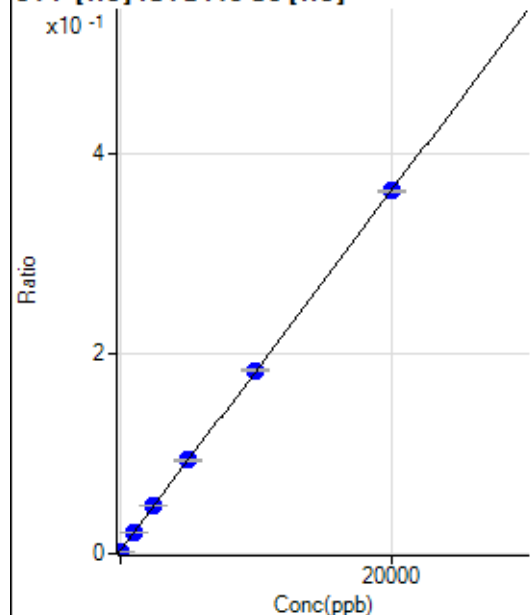
$$DL = 1.362$$

$$BEC = 24.73$$

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     | -3.741     | 505.58   | 0.0019 | P   | 11.1 |
| 2 | <input type="checkbox"/> | 0.000     | 3.741      | 538.91   | 0.0020 | P   | 5.9  |
| 3 | <input type="checkbox"/> | 1000.000  | 1051.496   | 5545.65  | 0.0210 | P   | 2.5  |
| 4 | <input type="checkbox"/> | 2500.000  | 2542.788   | 12664.17 | 0.0479 | P   | 1.7  |
| 5 | <input type="checkbox"/> | 5000.000  | 5050.644   | 24813.44 | 0.0932 | P   | 1.9  |
| 6 | <input type="checkbox"/> | 10000.000 | 10037.885  | 49050.34 | 0.1833 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 20000.000 | 19960.473  | 97684.12 | 0.3626 | P   | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 550.02   | 0.0020 | P   | 18.5 |

$$y = 1.8067E-005 * x + 0.0020$$

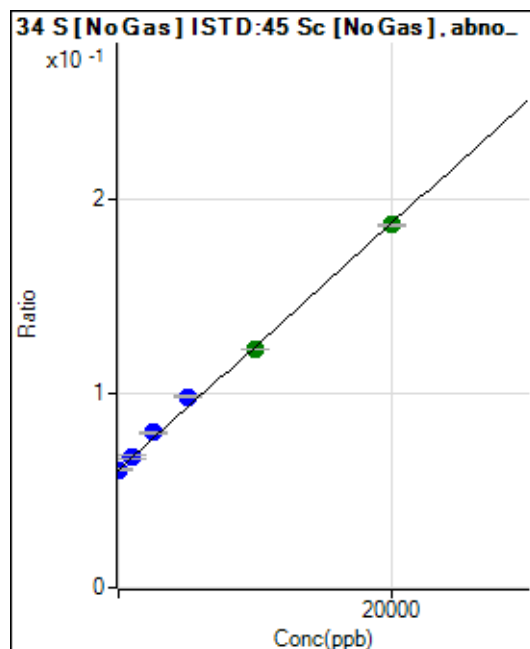
$$R = 1.0000$$

$$DL = 27.49$$

$$BEC = 109.1$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|-----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -4.932     | 484646.09  | 0.0606 | P        | 1.2 |
| 2 | <input type="checkbox"/> | 0.000     | 4.932      | 487578.71  | 0.0607 | P        | 0.7 |
| 3 | <input type="checkbox"/> | 1000.000  | 1023.486   | 555729.76  | 0.0671 | P        | 2.0 |
| 4 | <input type="checkbox"/> | 2500.000  | 2995.427   | 642028.95  | 0.0796 | P        | 1.5 |
| 5 | <input type="checkbox"/> | 5000.000  | 5893.877   | 804181.43  | 0.0980 | P        | 1.0 |
| 6 | <input type="checkbox"/> | 10000.000 | 9713.292   | 987968.59  | 0.1222 | A        | 0.2 |
| 7 | <input type="checkbox"/> | 20000.000 | 19856.782  | 1512127.28 | 0.1864 | A        | 0.6 |
| 8 | <input type="checkbox"/> |           |            | 406969.70  | 0.0500 | P        | 1.3 |

$$y = 6.3334E-006 * x + 0.0607$$

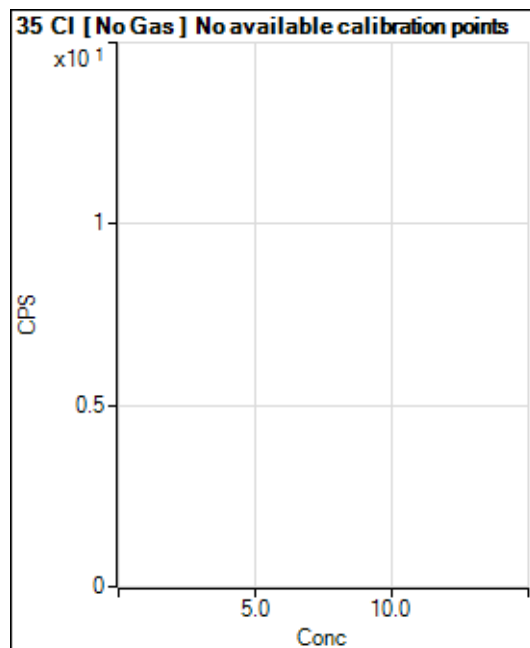
R = 0.9985

DL = 280.8

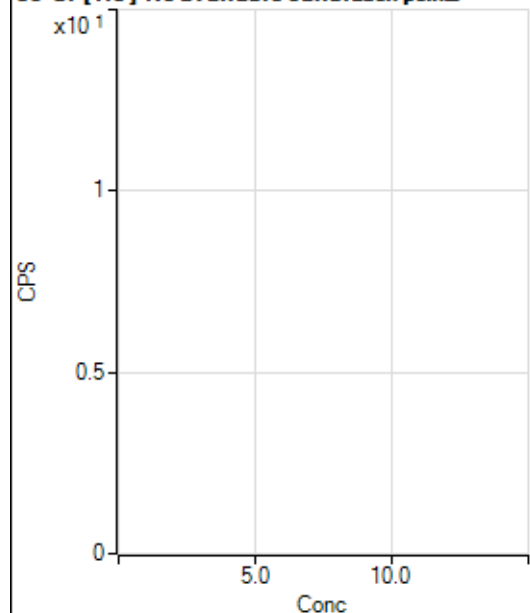
BEC = 9577

Weight: <None>

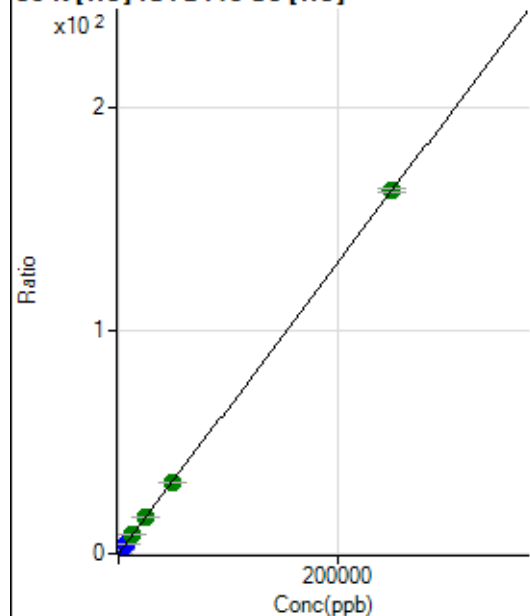
Min Conc: 0



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 323988.04 |       | P        | 0.3 |
| 2 | <input type="checkbox"/> |       |            | 323213.68 |       | P        | 0.6 |
| 3 | <input type="checkbox"/> |       |            | 360040.67 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> |       |            | 330505.72 |       | P        | 1.3 |
| 5 | <input type="checkbox"/> |       |            | 328438.95 |       | P        | 1.1 |
| 6 | <input type="checkbox"/> |       |            | 323652.32 |       | P        | 1.2 |
| 7 | <input type="checkbox"/> |       |            | 311765.08 |       | P        | 0.5 |
| 8 | <input type="checkbox"/> |       |            | 307976.31 |       | P        | 0.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 2314.14 |       | P        | 8.7 |
| 2 | <input type="checkbox"/> |       |            | 2353.03 |       | P        | 6.5 |
| 3 | <input type="checkbox"/> |       |            | 2594.74 |       | P        | 0.4 |
| 4 | <input type="checkbox"/> |       |            | 2405.81 |       | P        | 7.6 |
| 5 | <input type="checkbox"/> |       |            | 2383.59 |       | P        | 2.1 |
| 6 | <input type="checkbox"/> |       |            | 2444.71 |       | P        | 7.7 |
| 7 | <input type="checkbox"/> |       |            | 2328.03 |       | P        | 3.2 |
| 8 | <input type="checkbox"/> |       |            | 2286.35 |       | P        | 6.4 |

**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      | 13854.21    | 0.0521   | P        | 1.0 |
| 2 | <input type="checkbox"/> | 500.000   | 525.251    | 104057.41   | 0.3937   | P        | 2.1 |
| 3 | <input type="checkbox"/> | 2500.000  | 2625.295   | 465323.01   | 1.7591   | P        | 1.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6457.156   | 1123496.71  | 4.2505   | P        | 1.0 |
| 5 | <input type="checkbox"/> | 12500.000 | 12720.400  | 2215499.05  | 8.3228   | A        | 1.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 24822.510  | 4332510.95  | 16.1915  | A        | 0.9 |
| 7 | <input type="checkbox"/> | 50000.000 | 49119.725  | 8618093.68  | 31.9894  | A        | 0.8 |
| 8 | <input type="checkbox"/> | 250000.00 | 250176.30  | 45188426.70 | 162.7147 | A        | 1.2 |

$$y = 6.5019\text{E-}004 * x + 0.0521$$

$$R = 1.0000$$

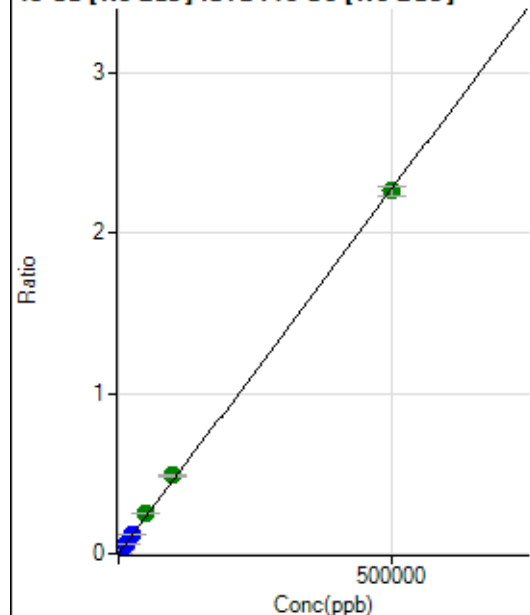
$$DL = 2.511$$

$$BEC = 80.19$$

Weight: &lt;None&gt;

Min Conc: 0



**43 Ca [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      | 507.03      | 0.0001 | P        | 8.0 |
| 2 | <input type="checkbox"/> | 500.000   | 536.744    | 20100.64    | 0.0025 | P        | 1.0 |
| 3 | <input type="checkbox"/> | 5000.000  | 5347.851   | 201615.40   | 0.0244 | P        | 1.9 |
| 4 | <input type="checkbox"/> | 12500.000 | 13474.659  | 494075.08   | 0.0613 | P        | 1.1 |
| 5 | <input type="checkbox"/> | 25000.000 | 26598.951  | 992172.28   | 0.1209 | P        | 1.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 55089.742  | 2024184.58  | 0.2503 | A        | 0.9 |
| 7 | <input type="checkbox"/> | 100000.00 | 107434.66  | 3959125.17  | 0.4881 | A        | 1.2 |
| 8 | <input type="checkbox"/> | 500000.00 | 497896.26  | 18396675.65 | 2.2618 | A        | 2.4 |

$$y = 4.5426\text{E-}006 * x + 6.3452\text{E-}005$$

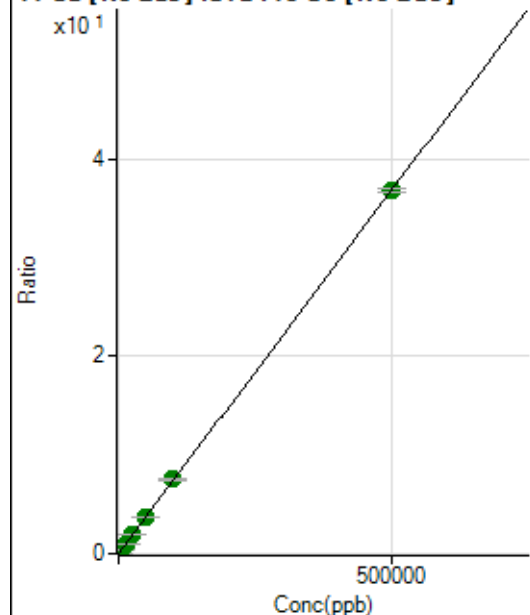
$$R = 0.9999$$

$$DL = 3.358$$

$$BEC = 13.97$$

Weight: &lt;None&gt;

Min Conc: 0

**44 Ca [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      | 30734.29    | 0.0038  | P        | 1.8 |
| 2 | <input type="checkbox"/> | 500.000   | 533.636    | 346384.69   | 0.0431  | P        | 0.2 |
| 3 | <input type="checkbox"/> | 5000.000  | 5283.577   | 3250714.92  | 0.3926  | A        | 2.6 |
| 4 | <input type="checkbox"/> | 12500.000 | 12957.356  | 7719877.32  | 0.9573  | A        | 0.2 |
| 5 | <input type="checkbox"/> | 25000.000 | 25682.763  | 15543599.26 | 1.8937  | A        | 0.9 |
| 6 | <input type="checkbox"/> | 50000.000 | 51483.176  | 30665694.96 | 3.7921  | A        | 0.2 |
| 7 | <input type="checkbox"/> | 100000.00 | 102128.86  | 60990777.92 | 7.5188  | A        | 1.3 |
| 8 | <input type="checkbox"/> | 500000.00 | 499377.46  | 298949058.5 | 36.7494 | A        | 1.2 |

$$y = 7.3583\text{E-}005 * x + 0.0038$$

$$R = 1.0000$$

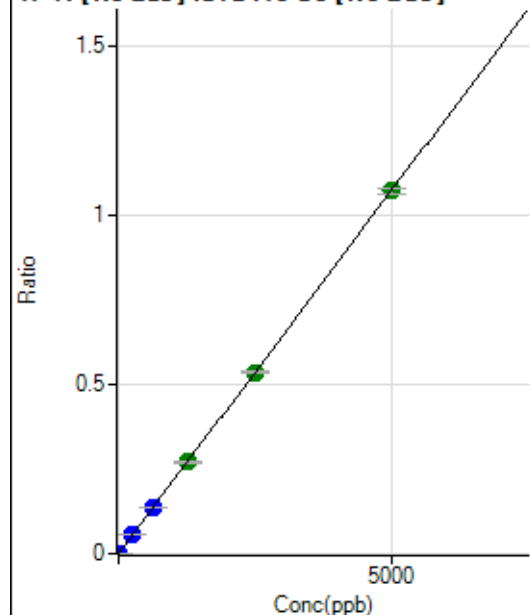
$$DL = 2.831$$

$$BEC = 52.25$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 202.79     | 0.0000 | P    | 2.6  |
| 2 | <input type="checkbox"/> | 5.000    | 5.440      | 9581.23    | 0.0012 | P    | 4.7  |
| 3 | <input type="checkbox"/> | 250.000  | 253.348    | 450143.91  | 0.0544 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 625.000  | 636.314    | 1100949.70 | 0.1365 | P    | 1.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1264.720   | 2227310.12 | 0.2714 | A    | 1.2  |
| 6 | <input type="checkbox"/> | 2500.000 | 2499.366   | 4336268.93 | 0.5362 | A    | 1.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 4995.055   | 8692482.23 | 1.0717 | A    | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 1980.75    | 0.0002 | P    | 10.2 |

$$y = 2.1454\text{E-}004 * x + 2.5366\text{E-}005$$

$$R = 1.0000$$

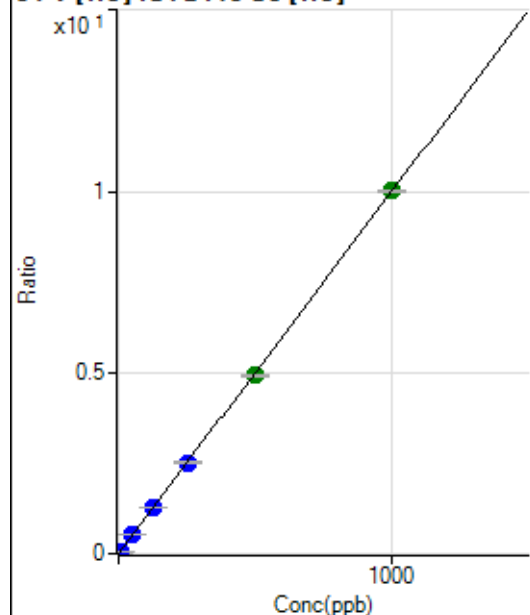
$$DL = 0.009246$$

$$BEC = 0.1182$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD   |
|---|--------------------------|----------|------------|------------|---------|------|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 13.33      | 0.0001  | P    | 100.2 |
| 2 | <input type="checkbox"/> | 5.000    | 5.476      | 14477.42   | 0.0048  | P    | 1.6   |
| 3 | <input type="checkbox"/> | 50.000   | 51.319     | 135647.12  | 0.5128  | P    | 0.4   |
| 4 | <input type="checkbox"/> | 125.000  | 125.739    | 332078.31  | 1.2563  | P    | 0.7   |
| 5 | <input type="checkbox"/> | 250.000  | 252.348    | 671166.61  | 2.5213  | P    | 1.2   |
| 6 | <input type="checkbox"/> | 500.000  | 493.710    | 1319935.76 | 4.9328  | A    | 1.1   |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.397   | 2698074.20 | 10.0151 | A    | 0.6   |
| 8 | <input type="checkbox"/> |          |            | 654.46     | 0.0024  | P    | 1.0   |

$$y = 0.0100 * x + 5.0314\text{E-}005$$

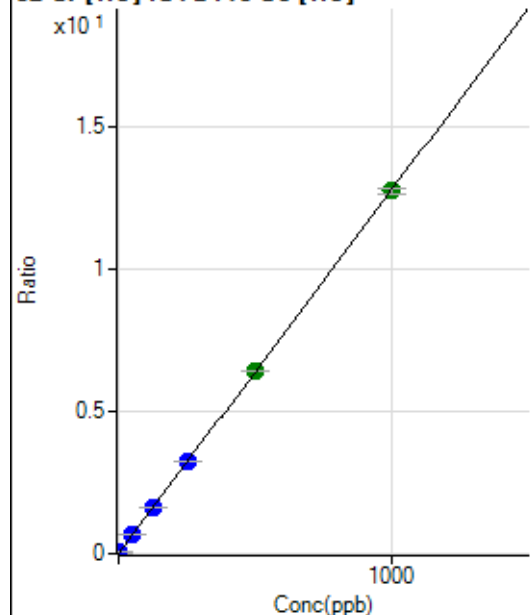
$$R = 1.0000$$

$$DL = 0.01514$$

$$BEC = 0.005036$$

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      | 2029.06    | 0.0076  | P        | 1.8 |
| 2 | <input type="checkbox"/> | 2.000    | 2.155      | 9291.99    | 0.0351  | P        | 1.8 |
| 3 | <input type="checkbox"/> | 50.000   | 51.487     | 175901.94  | 0.6650  | P        | 1.7 |
| 4 | <input type="checkbox"/> | 125.000  | 127.198    | 431294.84  | 1.6317  | P        | 0.2 |
| 5 | <input type="checkbox"/> | 250.000  | 251.887    | 858184.50  | 3.2237  | P        | 0.8 |
| 6 | <input type="checkbox"/> | 500.000  | 502.584    | 1719019.71 | 6.4246  | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 997.887    | 3434419.26 | 12.7486 | A        | 1.8 |
| 8 | <input type="checkbox"/> |          |            | 7883.35    | 0.0284  | P        | 2.2 |

$$y = 0.0128 * x + 0.0076$$

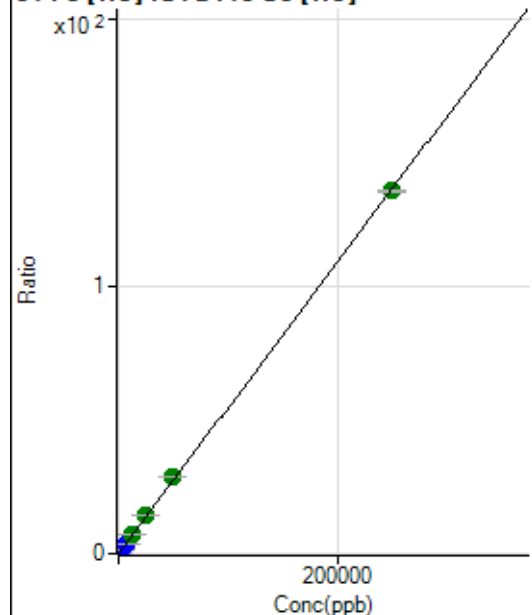
$$R = 1.0000$$

$$DL = 0.03267$$

$$BEC = 0.5981$$

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      | 461.13      | 0.0017   | P        | 6.4 |
| 2 | <input type="checkbox"/> | 50.000    | 56.762     | 8624.97     | 0.0326   | P        | 2.5 |
| 3 | <input type="checkbox"/> | 2500.000  | 2740.477   | 395012.51   | 1.4932   | P        | 1.3 |
| 4 | <input type="checkbox"/> | 6250.000  | 6776.436   | 975287.21   | 3.6898   | P        | 1.0 |
| 5 | <input type="checkbox"/> | 12500.000 | 13612.178  | 1972681.42  | 7.4101   | A        | 1.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 26359.172  | 3838685.36  | 14.3477  | A        | 1.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 52504.508  | 7698607.52  | 28.5772  | A        | 1.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 249292.00  | 37679305.93 | 135.6784 | A        | 0.2 |

$$y = 5.4425E-004 * x + 0.0017$$

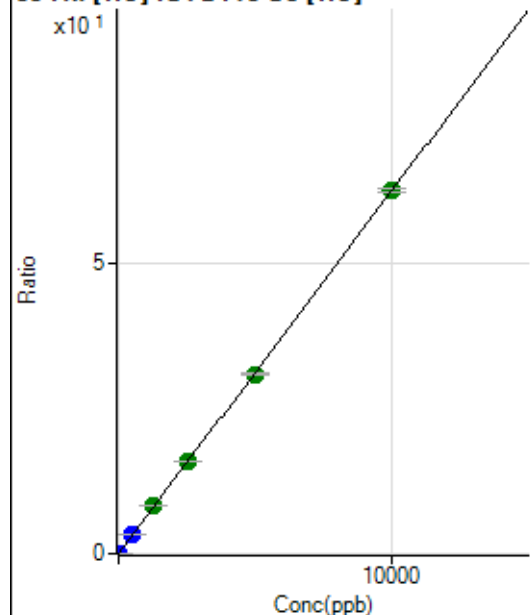
$$R = 0.9999$$

$$DL = 0.6162$$

$$BEC = 3.189$$

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      | 212.23      | 0.0008  | P   | 8.3 |
| 2 | <input type="checkbox"/> | 1.000     | 1.088      | 2011.28     | 0.0076  | P   | 8.7 |
| 3 | <input type="checkbox"/> | 500.000   | 523.285    | 866447.47   | 3.2756  | P   | 0.6 |
| 4 | <input type="checkbox"/> | 1250.000  | 1309.908   | 2167020.97  | 8.1984  | A   | 0.1 |
| 5 | <input type="checkbox"/> | 2500.000  | 2550.637   | 4249544.94  | 15.9630 | A   | 1.4 |
| 6 | <input type="checkbox"/> | 5000.000  | 4942.668   | 8276522.17  | 30.9326 | A   | 0.9 |
| 7 | <input type="checkbox"/> | 10000.000 | 10007.354  | 16871731.69 | 62.6280 | A   | 1.2 |
| 8 | <input type="checkbox"/> |           |            | 7647.68     | 0.0275  | P   | 0.8 |

$$y = 0.0063 * x + 7.9883E-004$$

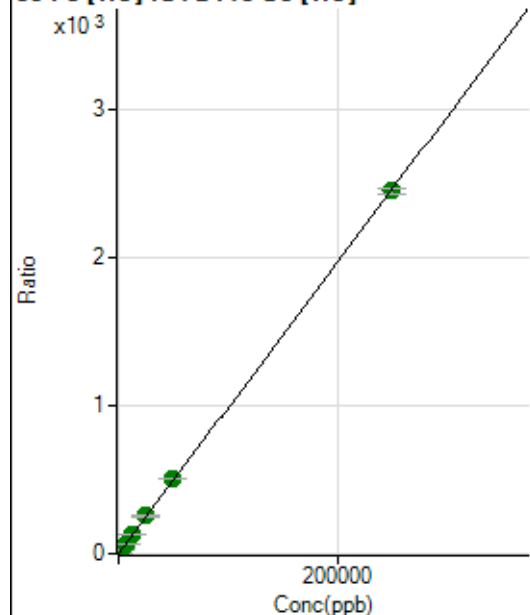
$$R = 0.9999$$

$$DL = 0.03187$$

$$BEC = 0.1276$$

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      | 3967.29     | 0.0149   | P   | 3.1 |
| 2 | <input type="checkbox"/> | 50.000    | 57.182     | 152702.07   | 0.5776   | P   | 0.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2706.423   | 7049412.31  | 26.6479  | A   | 1.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6661.535   | 17331233.26 | 65.5688  | A   | 1.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 13105.416  | 34336333.41 | 128.9808 | A   | 1.0 |
| 6 | <input type="checkbox"/> | 25000.000 | 25877.441  | 68134885.78 | 254.6659 | A   | 2.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 51780.401  | 137279168.8 | 509.5680 | A   | 1.0 |
| 8 | <input type="checkbox"/> | 250000.00 | 249513.55  | 681885459.6 | 2.455391 | A   | 1.3 |

$$y = 0.0098 * x + 0.0149$$

$$R = 1.0000$$

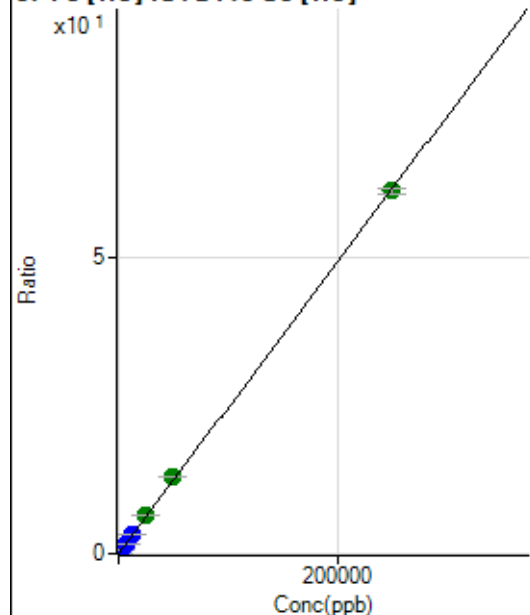
$$DL = 0.1429$$

$$BEC = 1.517$$

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      | 125.93      | 0.0005  | P    | 26.0 |
| 2 | <input type="checkbox"/> | 50.000    | 57.175     | 3841.33     | 0.0145  | P    | 0.6  |
| 3 | <input type="checkbox"/> | 2500.000  | 2721.182   | 177097.70   | 0.6695  | P    | 1.1  |
| 4 | <input type="checkbox"/> | 6250.000  | 6703.148   | 435742.43   | 1.6485  | P    | 0.5  |
| 5 | <input type="checkbox"/> | 12500.000 | 13275.592  | 868981.07   | 3.2644  | P    | 1.5  |
| 6 | <input type="checkbox"/> | 25000.000 | 26638.229  | 1752395.27  | 6.5497  | A    | 1.8  |
| 7 | <input type="checkbox"/> | 50000.000 | 52766.667  | 3495235.26  | 12.9736 | A    | 0.8  |
| 8 | <input type="checkbox"/> | 250000.00 | 249230.52  | 17017301.77 | 61.2758 | A    | 1.6  |

$$y = 2.4586E-004 * x + 4.7411E-004$$

$$R = 0.9999$$

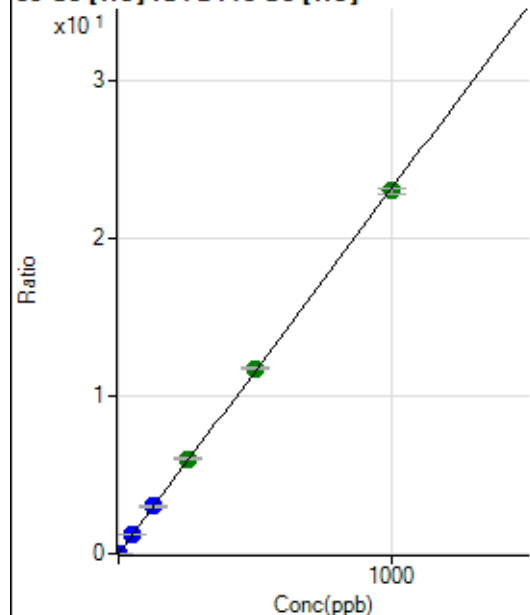
$$DL = 1.504$$

$$BEC = 1.928$$

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      | 60.00      | 0.0002  | P    | 11.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.102      | 6819.47    | 0.0258  | P    | 2.0  |
| 3 | <input type="checkbox"/> | 50.000   | 52.564     | 322646.13  | 1.2197  | P    | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 129.378    | 793463.92  | 3.0019  | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 258.370    | 1595691.12 | 5.9945  | A    | 1.8  |
| 6 | <input type="checkbox"/> | 500.000  | 507.432    | 3149996.90 | 11.7729 | A    | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.516    | 6209715.46 | 23.0503 | A    | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 8251.36    | 0.0297  | P    | 1.8  |

$$y = 0.0232 * x + 2.2588E-004$$

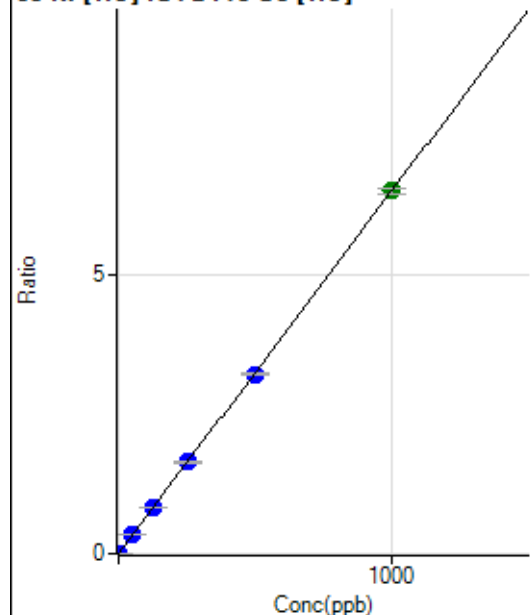
$$R = 0.9999$$

$$DL = 0.003366$$

$$BEC = 0.009736$$

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      | 96.67      | 0.0004 | P   | 10.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.150      | 2066.84    | 0.0078 | P   | 1.8  |
| 3 | <input type="checkbox"/> | 50.000   | 52.571     | 90224.92   | 0.3411 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 127.603    | 218689.35  | 0.8274 | P   | 0.2  |
| 5 | <input type="checkbox"/> | 250.000  | 253.323    | 437148.08  | 1.6421 | P   | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 495.468    | 859288.74  | 3.2115 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.981   | 1747775.28 | 6.4877 | A   | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 2214.64    | 0.0080 | P   | 1.2  |

$$y = 0.0065 * x + 3.6384E-004$$

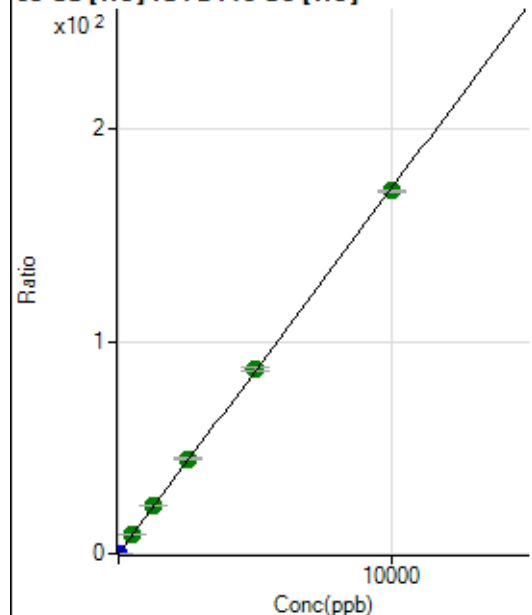
$$R = 1.0000$$

$$DL = 0.01753$$

$$BEC = 0.05614$$

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      | 644.47      | 0.0024   | P   | 5.5 |
| 2 | <input type="checkbox"/> | 2.000     | 2.156      | 10453.93    | 0.0395   | P   | 1.6 |
| 3 | <input type="checkbox"/> | 500.000   | 542.266    | 2469520.48  | 9.3365   | A   | 1.7 |
| 4 | <input type="checkbox"/> | 1250.000  | 1322.835   | 6019546.72  | 22.7725  | A   | 2.1 |
| 5 | <input type="checkbox"/> | 2500.000  | 2596.961   | 11899335.66 | 44.7042  | A   | 2.2 |
| 6 | <input type="checkbox"/> | 5000.000  | 5069.018   | 23344057.43 | 87.2560  | A   | 2.4 |
| 7 | <input type="checkbox"/> | 10000.000 | 9930.033   | 46048936.54 | 170.9292 | A   | 0.4 |
| 8 | <input type="checkbox"/> |           |            | 7397.55     | 0.0266   | P   | 2.6 |

$$y = 0.0172 * x + 0.0024$$

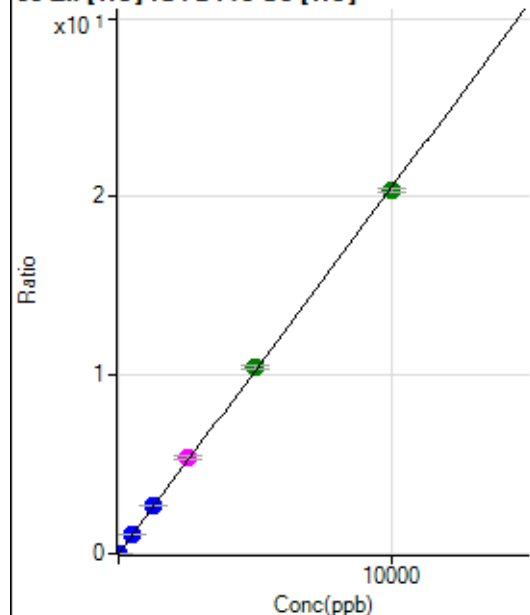
$$R = 0.9999$$

$$DL = 0.02339$$

$$BEC = 0.1409$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 283.34     | 0.0011  | P        | 27.5 |
| 2 | <input type="checkbox"/> | 2.000     | 2.510      | 1643.45    | 0.0062  | P        | 2.7  |
| 3 | <input type="checkbox"/> | 500.000   | 544.474    | 295846.08  | 1.1185  | P        | 1.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1332.995   | 723391.61  | 2.7367  | P        | 0.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2628.945   | 1436378.05 | 5.3963  | M        | 2.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 5091.011   | 2795601.83 | 10.4491 | A        | 1.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 9909.660   | 5479047.31 | 20.3382 | A        | 1.2  |
| 8 | <input type="checkbox"/> |           |            | 6310.36    | 0.0227  | P        | 2.2  |

$$y = 0.0021 * x + 0.0011$$

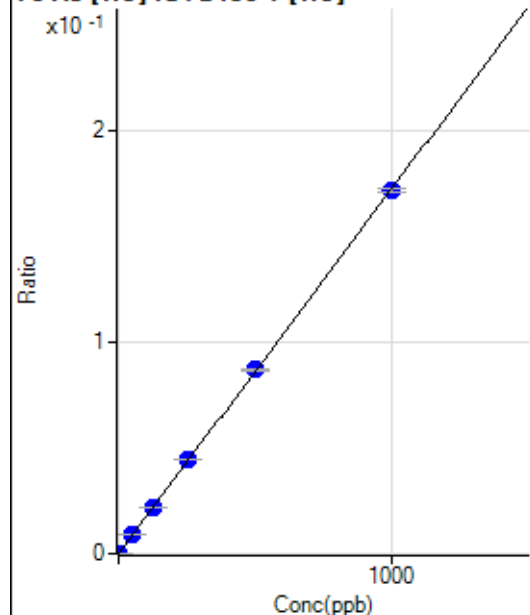
$$R = 0.9998$$

$$DL = 0.429$$

$$BEC = 0.5193$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5.33      | 0.0000 | P        | 21.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.124      | 348.37    | 0.0002 | P        | 9.8  |
| 3 | <input type="checkbox"/> | 50.000   | 51.495     | 15800.74  | 0.0089 | P        | 1.8  |
| 4 | <input type="checkbox"/> | 125.000  | 127.717    | 39208.99  | 0.0220 | P        | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 258.490    | 78850.14  | 0.0445 | P        | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 504.598    | 154309.69 | 0.0869 | P        | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.164    | 307774.21 | 0.1714 | P        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 92.68     | 0.0000 | P        | 15.4 |

$$y = 1.7223E-004 * x + 3.0534E-006$$

$$R = 0.9999$$

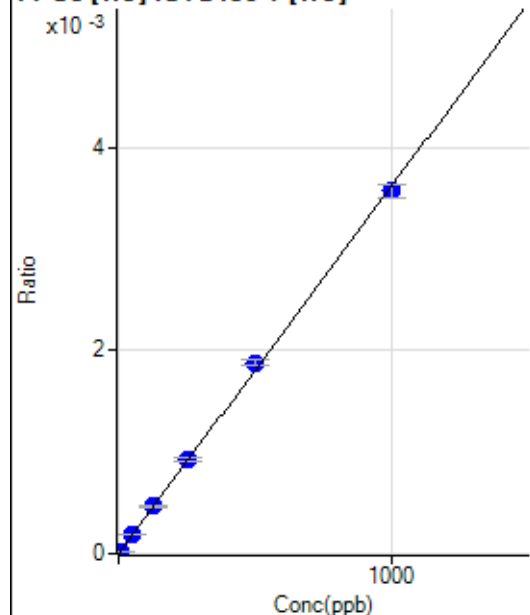
$$DL = 0.01151$$

$$BEC = 0.01773$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD   |
|---|--------------------------|----------|------------|---------|--------|-----|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00    | 0.0000 | P   |       |
| 2 | <input type="checkbox"/> | 5.000    | 4.308      | 27.78   | 0.0000 | P   | 34.4  |
| 3 | <input type="checkbox"/> | 50.000   | 53.005     | 341.12  | 0.0002 | P   | 5.1   |
| 4 | <input type="checkbox"/> | 125.000  | 129.229    | 832.26  | 0.0005 | P   | 1.9   |
| 5 | <input type="checkbox"/> | 250.000  | 255.198    | 1633.45 | 0.0009 | P   | 4.3   |
| 6 | <input type="checkbox"/> | 500.000  | 520.659    | 3340.43 | 0.0019 | P   | 3.1   |
| 7 | <input type="checkbox"/> | 1000.000 | 987.696    | 6410.42 | 0.0036 | P   | 4.0   |
| 8 | <input type="checkbox"/> |          |            | 1.11    | 0.0000 | P   | 173.2 |

$$y = 3.6135\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9997$$

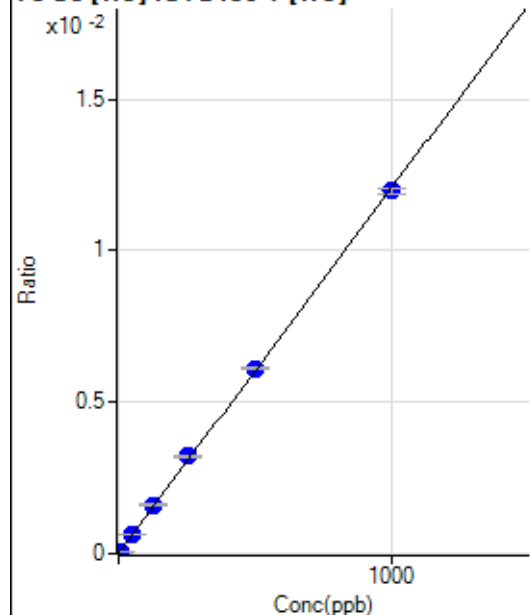
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.33    | 0.0000 | P   | 13.0 |
| 2 | <input type="checkbox"/> | 5.000    | 6.160      | 157.35   | 0.0001 | P   | 3.2  |
| 3 | <input type="checkbox"/> | 50.000   | 52.857     | 1160.17  | 0.0007 | P   | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 132.451    | 2869.92  | 0.0016 | P   | 2.2  |
| 5 | <input type="checkbox"/> | 250.000  | 265.238    | 5685.72  | 0.0032 | P   | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 505.411    | 10838.93 | 0.0061 | P   | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.405    | 21496.82 | 0.0120 | P   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 47.34    | 0.0000 | P   | 6.7  |

$$y = 1.2048\text{E-}005 * x + 1.4495\text{E-}005$$

$$R = 0.9998$$

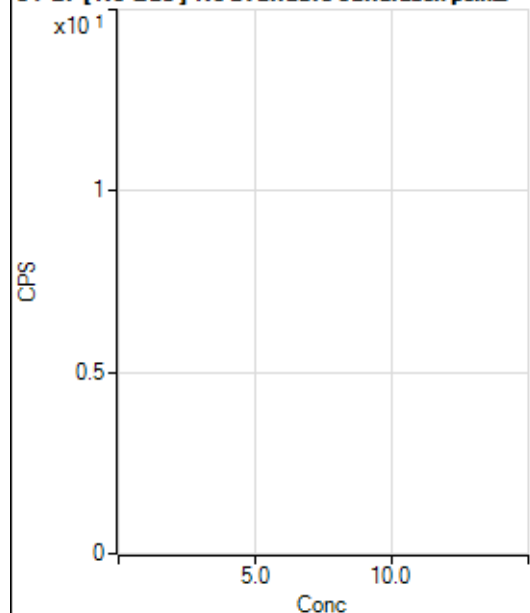
$$DL = 0.4702$$

$$BEC = 1.203$$

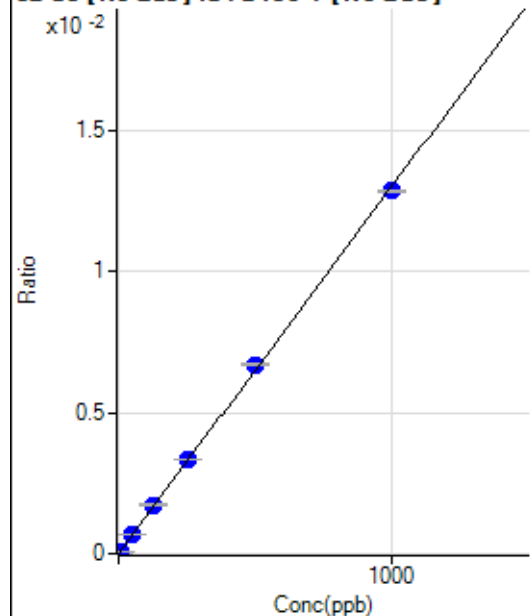
Weight: &lt;None&gt;

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"/> |       |            | 8391.16 |       | P        | 3.8 |
| 2 | <input type="checkbox"/> |       |            | 8023.90 |       | P        | 1.8 |
| 3 | <input type="checkbox"/> |       |            | 8160.80 |       | P        | 1.9 |
| 4 | <input type="checkbox"/> |       |            | 7890.39 |       | P        | 5.1 |
| 5 | <input type="checkbox"/> |       |            | 8090.71 |       | P        | 3.4 |
| 6 | <input type="checkbox"/> |       |            | 7766.83 |       | P        | 3.3 |
| 7 | <input type="checkbox"/> |       |            | 8033.95 |       | P        | 1.7 |
| 8 | <input type="checkbox"/> |       |            | 9102.38 |       | P        | 5.5 |

**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      | -1.79     | 0.0000 | P        | -582. |
| 2 | <input type="checkbox"/> | 5.000    | 5.400      | 1098.12   | 0.0001 | P        | 5.5   |
| 3 | <input type="checkbox"/> | 50.000   | 53.159     | 11047.31  | 0.0007 | P        | 1.1   |
| 4 | <input type="checkbox"/> | 125.000  | 133.582    | 26943.88  | 0.0017 | P        | 1.0   |
| 5 | <input type="checkbox"/> | 250.000  | 258.884    | 53578.81  | 0.0034 | P        | 0.1   |
| 6 | <input type="checkbox"/> | 500.000  | 515.196    | 105669.41 | 0.0067 | P        | 1.3   |
| 7 | <input type="checkbox"/> | 1000.000 | 988.949    | 204891.95 | 0.0128 | P        | 0.4   |
| 8 | <input type="checkbox"/> |          |            | 16.66     | 0.0000 | P        | 104.8 |

$$y = 1.2985E-005 * x - 1.1197E-007$$

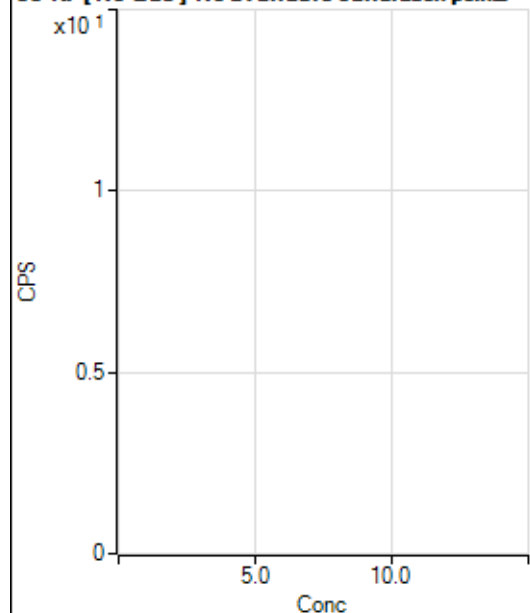
$$R = 0.9998$$

$$DL = 0.1507$$

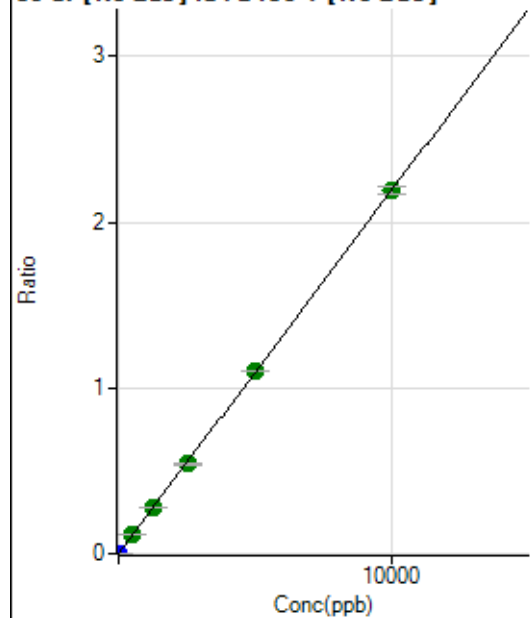
$$BEC = -0.008623$$

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"/> |       |            | 1041.16 |       | P        | 1.8 |
| 2 | <input type="checkbox"/> |       |            | 1101.17 |       | P        | 5.3 |
| 3 | <input type="checkbox"/> |       |            | 990.05  |       | P        | 6.8 |
| 4 | <input type="checkbox"/> |       |            | 1037.83 |       | P        | 2.9 |
| 5 | <input type="checkbox"/> |       |            | 1064.49 |       | P        | 1.8 |
| 6 | <input type="checkbox"/> |       |            | 1065.61 |       | P        | 2.8 |
| 7 | <input type="checkbox"/> |       |            | 1064.49 |       | P        | 4.1 |
| 8 | <input type="checkbox"/> |       |            | 1131.17 |       | P        | 1.1 |

**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      | 1716.82     | 0.0001 | P        | 2.8 |
| 2 | <input type="checkbox"/> | 1.000     | 1.123      | 5565.16     | 0.0004 | P        | 4.4 |
| 3 | <input type="checkbox"/> | 500.000   | 516.255    | 1810827.41  | 0.1131 | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1250.000  | 1265.650   | 4305328.35  | 0.2772 | A        | 2.6 |
| 5 | <input type="checkbox"/> | 2500.000  | 2476.671   | 8643254.36  | 0.5423 | A        | 1.4 |
| 6 | <input type="checkbox"/> | 5000.000  | 5019.388   | 17360389.28 | 1.0989 | A        | 0.1 |
| 7 | <input type="checkbox"/> | 10000.000 | 9993.369   | 34906381.34 | 2.1878 | A        | 2.2 |
| 8 | <input type="checkbox"/> |           |            | 11062.94    | 0.0007 | P        | 2.6 |

$$y = 2.1891\text{E-}004 * x + 1.0872\text{E-}004$$

$$R = 1.0000$$

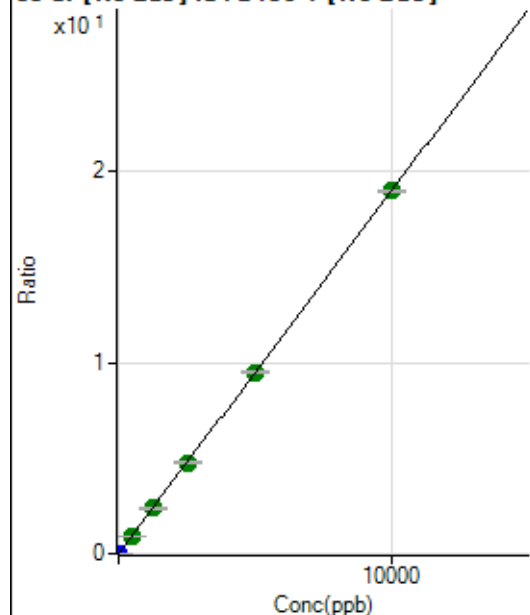
$$DL = 0.04206$$

$$BEC = 0.4966$$

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      | 577.80      | 0.0000  | P    | 10.9 |
| 2 | <input type="checkbox"/> | 1.000     | 1.149      | 34791.14    | 0.0022  | P    | 1.4  |
| 3 | <input type="checkbox"/> | 500.000   | 501.355    | 15236616.31 | 0.9518  | A    | 0.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1254.620   | 36999122.70 | 2.3819  | A    | 1.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2495.437   | 75508185.72 | 4.7375  | A    | 1.9  |
| 6 | <input type="checkbox"/> | 5000.000  | 4998.353   | 149897760.2 | 9.4892  | A    | 0.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 10001.319  | 302950206.7 | 18.9871 | A    | 0.3  |
| 8 | <input type="checkbox"/> |           |            | 78498.85    | 0.0049  | P    | 3.5  |

$$y = 0.0019 * x + 3.6585E-005$$

$$R = 1.0000$$

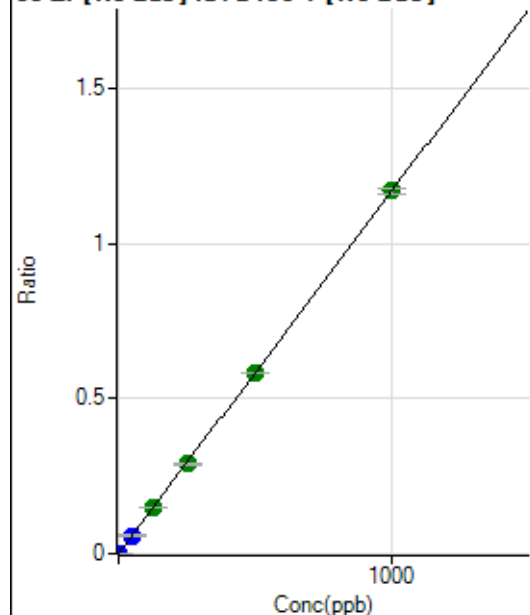
$$DL = 0.006318$$

$$BEC = 0.01927$$

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      | 1177.86     | 0.0001 | P    | 2.9  |
| 2 | <input type="checkbox"/> | 1.000    | 1.064      | 20690.76    | 0.0013 | P    | 1.7  |
| 3 | <input type="checkbox"/> | 50.000   | 50.183     | 940489.67   | 0.0588 | P    | 2.0  |
| 4 | <input type="checkbox"/> | 125.000  | 126.680    | 2302105.95  | 0.1482 | A    | 2.1  |
| 5 | <input type="checkbox"/> | 250.000  | 248.523    | 4633300.02  | 0.2907 | A    | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 497.272    | 9187233.28  | 0.5816 | A    | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.514   | 18688196.60 | 1.1712 | A    | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 3981.60     | 0.0003 | P    | 12.5 |

$$y = 0.0012 * x + 7.4561E-005$$

$$R = 1.0000$$

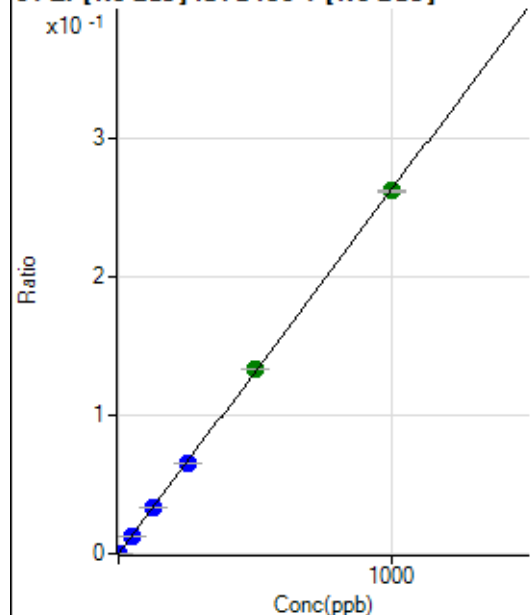
$$DL = 0.005489$$

$$BEC = 0.06376$$

Weight: &lt;None&gt;

Min Conc: 0

91 Zr [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      | 233.34     | 0.0000 | P        | 34.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.031      | 4481.41    | 0.0003 | P        | 2.7  |
| 3 | <input type="checkbox"/> | 50.000   | 49.687     | 209091.68  | 0.0131 | P        | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 125.376    | 511703.06  | 0.0329 | P        | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 249.369    | 1044009.88 | 0.0655 | P        | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 506.845    | 2102861.51 | 0.1331 | A        | 0.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.704    | 4176419.93 | 0.2618 | A        | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 777.82     | 0.0000 | P        | 9.5  |

$$y = 2.6260\text{E-}004 * x + 1.4832\text{E-}005$$

$$R = 1.0000$$

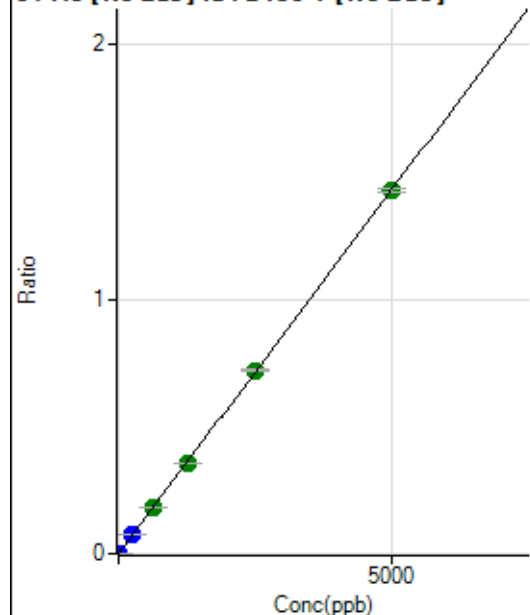
$$DL = 0.05808$$

$$BEC = 0.05648$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 366.68      | 0.0000 | P        | 19.2 |
| 2 | <input type="checkbox"/> | 5.000    | 5.324      | 24241.19    | 0.0015 | P        | 4.3  |
| 3 | <input type="checkbox"/> | 250.000  | 256.408    | 1173737.18  | 0.0733 | P        | 1.7  |
| 4 | <input type="checkbox"/> | 625.000  | 635.180    | 2821529.38  | 0.1816 | A        | 1.9  |
| 5 | <input type="checkbox"/> | 1250.000 | 1244.123   | 5669428.69  | 0.3557 | A        | 1.2  |
| 6 | <input type="checkbox"/> | 2500.000 | 2520.750   | 11384014.93 | 0.7207 | A        | 1.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 4989.501   | 22760951.20 | 1.4265 | A        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 4320.23     | 0.0003 | P        | 7.4  |

$$y = 2.8589\text{E-}004 * x + 2.3160\text{E-}005$$

$$R = 1.0000$$

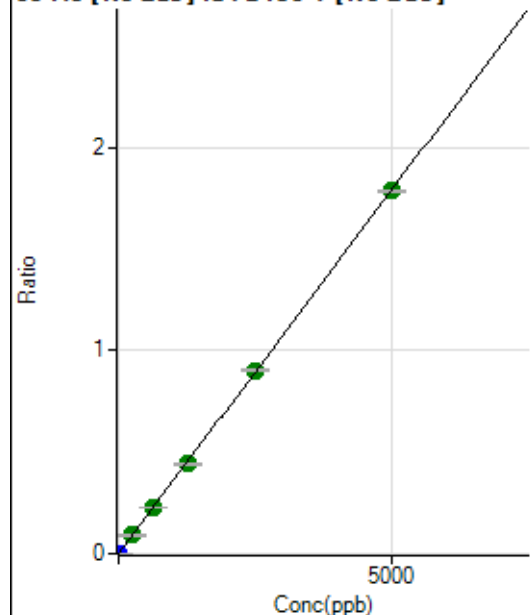
$$DL = 0.04658$$

$$BEC = 0.08101$$

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      | 63.89       | 0.0000 | P    | 19.0 |
| 2 | <input type="checkbox"/> | 5.000    | 5.219      | 29342.67    | 0.0019 | P    | 2.9  |
| 3 | <input type="checkbox"/> | 250.000  | 252.914    | 1447582.81  | 0.0904 | A    | 1.8  |
| 4 | <input type="checkbox"/> | 625.000  | 633.778    | 3520193.91  | 0.2266 | A    | 2.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1233.205   | 7028326.20  | 0.4410 | A    | 0.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2523.312   | 14252009.87 | 0.9022 | A    | 1.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4991.300   | 28475589.87 | 1.7847 | A    | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 4881.53     | 0.0003 | P    | 3.1  |

$$y = 3.5756\text{E-}004 * x + 4.0388\text{E-}006$$

$$R = 1.0000$$

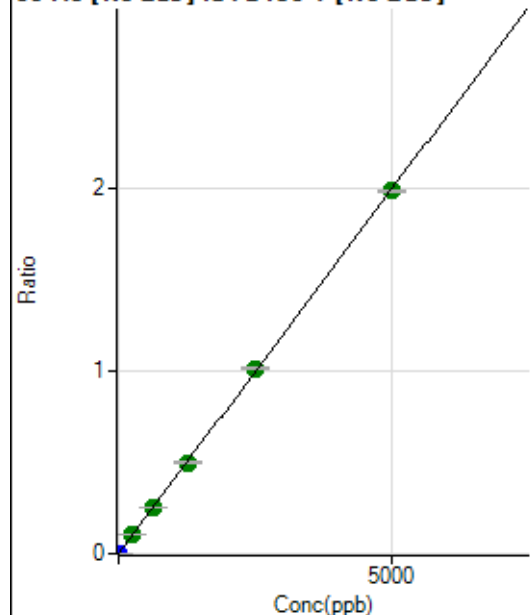
$$DL = 0.006434$$

$$BEC = 0.0113$$

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      | 211.12      | 0.0000 | P    | 31.7 |
| 2 | <input type="checkbox"/> | 5.000    | 5.242      | 33009.49    | 0.0021 | P    | 2.9  |
| 3 | <input type="checkbox"/> | 250.000  | 255.930    | 1633898.97  | 0.1021 | A    | 3.1  |
| 4 | <input type="checkbox"/> | 625.000  | 641.508    | 3974520.44  | 0.2559 | A    | 1.3  |
| 5 | <input type="checkbox"/> | 1250.000 | 1246.795   | 7925453.21  | 0.4973 | A    | 2.2  |
| 6 | <input type="checkbox"/> | 2500.000 | 2536.206   | 15978019.28 | 1.0115 | A    | 1.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 4980.338   | 31691742.03 | 1.9863 | A    | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 8658.48     | 0.0005 | P    | 2.0  |

$$y = 3.9882\text{E-}004 * x + 1.3416\text{E-}005$$

$$R = 1.0000$$

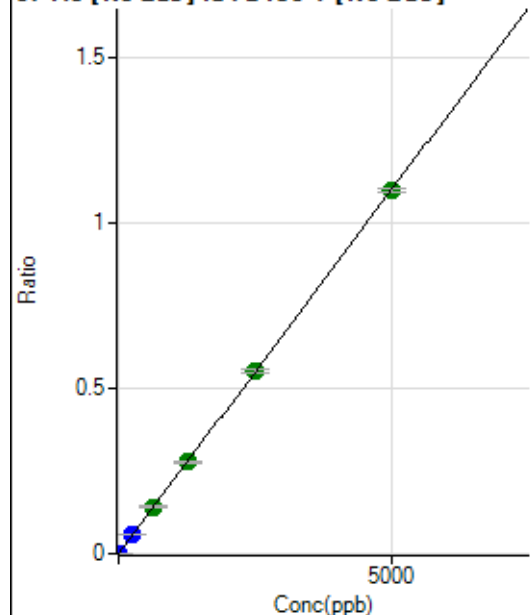
$$DL = 0.03201$$

$$BEC = 0.03364$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 36.11       | 0.0000 | P        | 75.9 |
| 2 | <input type="checkbox"/> | 5.000    | 5.282      | 18256.93    | 0.0012 | P        | 2.8  |
| 3 | <input type="checkbox"/> | 250.000  | 254.972    | 897246.57   | 0.0561 | P        | 1.4  |
| 4 | <input type="checkbox"/> | 625.000  | 645.878    | 2205533.10  | 0.1420 | A        | 2.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1264.932   | 4432140.42  | 0.2781 | A        | 2.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2515.009   | 8733449.67  | 0.5529 | A        | 1.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4985.904   | 17488795.18 | 1.0961 | A        | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 2700.35     | 0.0002 | P        | 3.1  |

$$y = 2.1984\text{E-}004 * x + 2.3030\text{E-}006$$

$$R = 1.0000$$

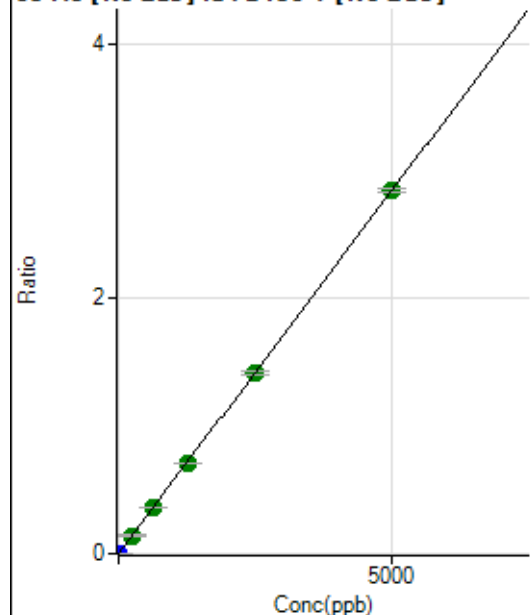
$$DL = 0.02384$$

$$BEC = 0.01048$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 116.67      | 0.0000 | P        | 51.5 |
| 2 | <input type="checkbox"/> | 5.000    | 5.206      | 46581.89    | 0.0030 | P        | 0.4  |
| 3 | <input type="checkbox"/> | 250.000  | 251.177    | 2287250.51  | 0.1429 | A        | 0.8  |
| 4 | <input type="checkbox"/> | 625.000  | 637.736    | 5635235.33  | 0.3628 | A        | 1.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1250.710   | 11339789.58 | 0.7115 | A        | 1.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2492.252   | 22394294.94 | 1.4177 | A        | 1.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 5002.045   | 45399010.73 | 2.8454 | A        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 6932.46     | 0.0004 | P        | 4.8  |

$$y = 5.6885\text{E-}004 * x + 7.4324\text{E-}006$$

$$R = 1.0000$$

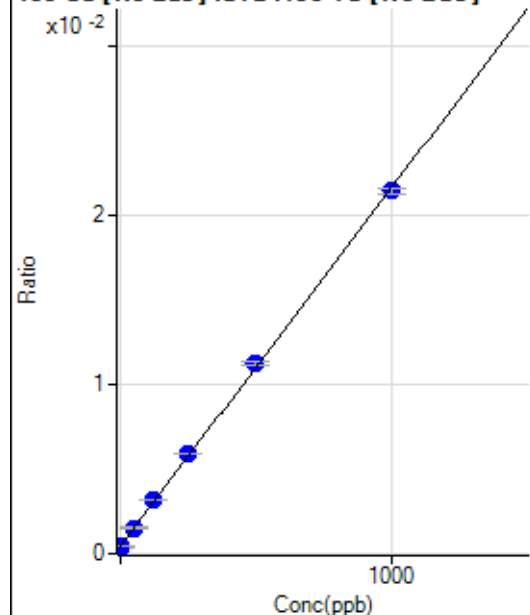
$$DL = 0.0202$$

$$BEC = 0.01307$$

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      | 4909.33   | 0.0004 | P        | 5.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.981      | 5609.64   | 0.0004 | P        | 0.4 |
| 3 | <input type="checkbox"/> | 50.000   | 52.906     | 20293.21  | 0.0015 | P        | 3.4 |
| 4 | <input type="checkbox"/> | 125.000  | 132.368    | 42304.82  | 0.0032 | P        | 0.4 |
| 5 | <input type="checkbox"/> | 250.000  | 258.976    | 79009.65  | 0.0059 | P        | 0.6 |
| 6 | <input type="checkbox"/> | 500.000  | 512.200    | 151865.40 | 0.0113 | P        | 1.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 990.589    | 293421.98 | 0.0215 | P        | 1.6 |
| 8 | <input type="checkbox"/> |          |            | 5001.04   | 0.0004 | P        | 5.6 |

$$y = 2.1276E-005 * x + 3.8763E-004$$

$$R = 0.9998$$

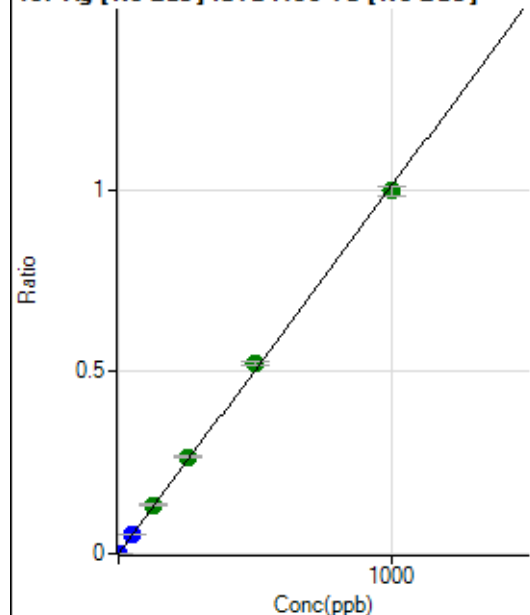
$$DL = 3.035$$

$$BEC = 18.22$$

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      | 94.45       | 0.0000 | P        | 34.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.067      | 14174.27    | 0.0011 | P        | 2.4  |
| 3 | <input type="checkbox"/> | 50.000   | 53.166     | 720550.86   | 0.0537 | P        | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 132.391    | 1766191.10  | 0.1338 | A        | 2.0  |
| 5 | <input type="checkbox"/> | 250.000  | 261.838    | 3543615.27  | 0.2646 | A        | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 517.715    | 7038453.80  | 0.5231 | A        | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 987.101    | 13635162.55 | 0.9974 | A        | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 3144.89     | 0.0002 | P        | 7.0  |

$$y = 0.0010 * x + 7.4743E-006$$

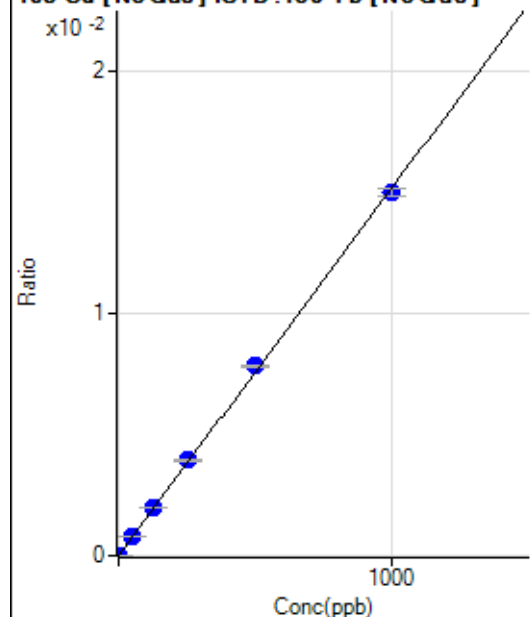
$$R = 0.9997$$

$$DL = 0.007611$$

$$BEC = 0.007397$$

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      | 58.33     | 0.0000 | P        | 22.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.381      | 333.34    | 0.0000 | P        | 7.9  |
| 3 | <input type="checkbox"/> | 50.000   | 54.117     | 11075.42  | 0.0008 | P        | 1.7  |
| 4 | <input type="checkbox"/> | 125.000  | 130.267    | 26156.90  | 0.0020 | P        | 2.1  |
| 5 | <input type="checkbox"/> | 250.000  | 259.310    | 52763.18  | 0.0039 | P        | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 517.267    | 105663.67 | 0.0079 | P        | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 988.174    | 205038.19 | 0.0150 | P        | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 273.62    | 0.0000 | P        | 2.9  |

$$y = 1.5173\text{E-}005 * x + 4.6075\text{E-}006$$

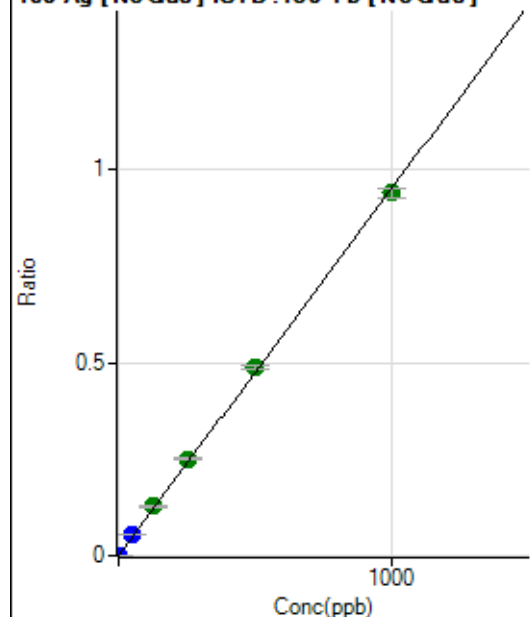
$$R = 0.9997$$

$$DL = 0.2013$$

$$BEC = 0.3037$$

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      | 41.67       | 0.0000 | P        | 59.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.065      | 13267.92    | 0.0010 | P        | 2.7  |
| 3 | <input type="checkbox"/> | 50.000   | 55.139     | 703857.55   | 0.0525 | P        | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 133.666    | 1679309.13  | 0.1272 | A        | 2.2  |
| 5 | <input type="checkbox"/> | 250.000  | 262.258    | 3342904.76  | 0.2496 | A        | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 513.711    | 6578259.57  | 0.4889 | A        | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 988.739    | 12863362.70 | 0.9410 | A        | 2.6  |
| 8 | <input type="checkbox"/> |          |            | 2939.28     | 0.0002 | P        | 6.0  |

$$y = 9.5169\text{E-}004 * x + 3.2731\text{E-}006$$

$$R = 0.9998$$

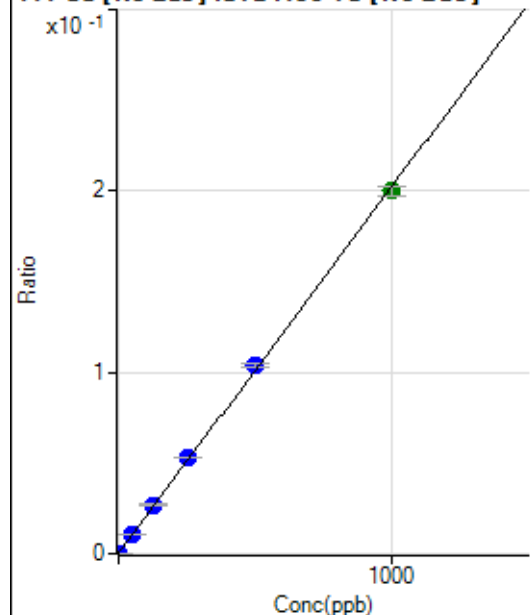
$$DL = 0.006091$$

$$BEC = 0.003439$$

Weight: &lt;None&gt;

Min Conc: 0



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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3405.42    | 0.0003 | P   | 5.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.194      | 6654.89    | 0.0005 | P   | 0.7 |
| 3 | <input type="checkbox"/> | 50.000   | 53.198     | 147625.40  | 0.0110 | P   | 1.9 |
| 4 | <input type="checkbox"/> | 125.000  | 131.339    | 353527.16  | 0.0268 | P   | 2.6 |
| 5 | <input type="checkbox"/> | 250.000  | 262.174    | 712550.38  | 0.0532 | P   | 1.0 |
| 6 | <input type="checkbox"/> | 500.000  | 513.005    | 1397046.50 | 0.1038 | P   | 1.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 989.502    | 2734296.04 | 0.2000 | A   | 2.4 |
| 8 | <input type="checkbox"/> |          |            | 3603.65    | 0.0003 | P   | 5.5 |

$$y = 2.0187\text{E-}004 * x + 2.6888\text{E-}004$$

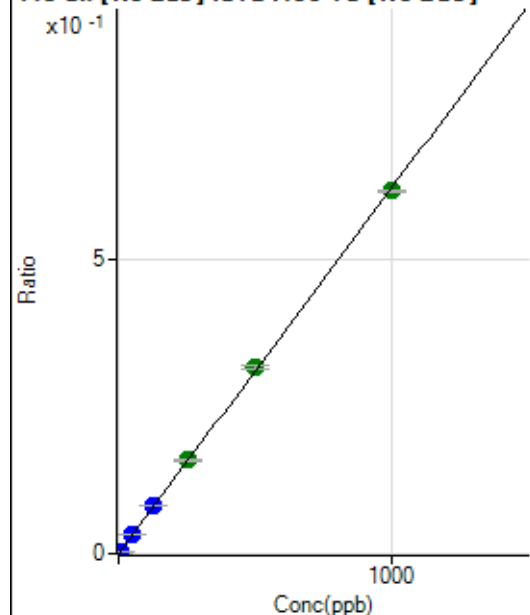
$$R = 0.9998$$

$$DL = 0.2244$$

$$BEC = 1.332$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1291.79    | 0.0001 | P   | 5.2 |
| 2 | <input type="checkbox"/> | 5.000    | 5.507      | 45888.63   | 0.0035 | P   | 1.4 |
| 3 | <input type="checkbox"/> | 50.000   | 52.628     | 438975.90  | 0.0327 | P   | 0.7 |
| 4 | <input type="checkbox"/> | 125.000  | 131.667    | 1079157.05 | 0.0817 | P   | 0.5 |
| 5 | <input type="checkbox"/> | 250.000  | 256.797    | 2134033.40 | 0.1593 | A   | 1.6 |
| 6 | <input type="checkbox"/> | 500.000  | 508.742    | 4244843.24 | 0.3155 | A   | 2.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 992.963    | 8417833.52 | 0.6157 | A   | 0.6 |
| 8 | <input type="checkbox"/> |          |            | 2194.68    | 0.0002 | P   | 3.5 |

$$y = 6.1998\text{E-}004 * x + 1.0195\text{E-}004$$

$$R = 0.9999$$

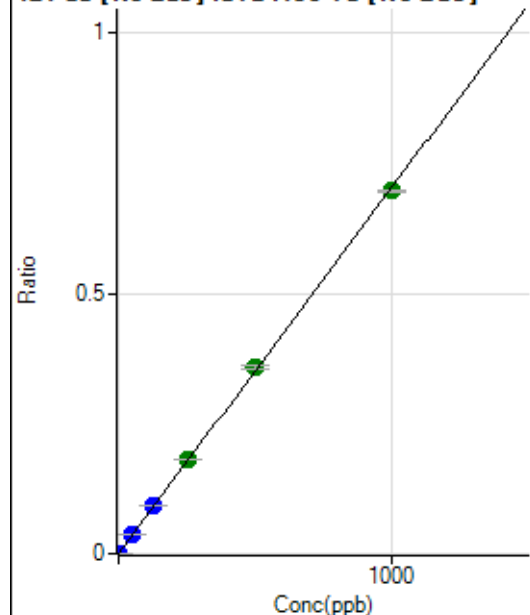
$$DL = 0.02546$$

$$BEC = 0.1644$$

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      | 63.89      | 0.0000 | P    | 46.2 |
| 2 | <input type="checkbox"/> | 2.000    | 2.170      | 19953.89   | 0.0015 | P    | 2.9  |
| 3 | <input type="checkbox"/> | 50.000   | 52.497     | 494576.28  | 0.0369 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 130.549    | 1210385.08 | 0.0917 | P    | 2.7  |
| 5 | <input type="checkbox"/> | 250.000  | 256.105    | 2409873.01 | 0.1799 | A    | 0.1  |
| 6 | <input type="checkbox"/> | 500.000  | 511.675    | 4835618.08 | 0.3594 | A    | 1.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.817    | 9523498.30 | 0.6966 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 7619.03    | 0.0006 | P    | 8.6  |

$$y = 7.0235E-004 * x + 5.0548E-006$$

$$R = 0.9999$$

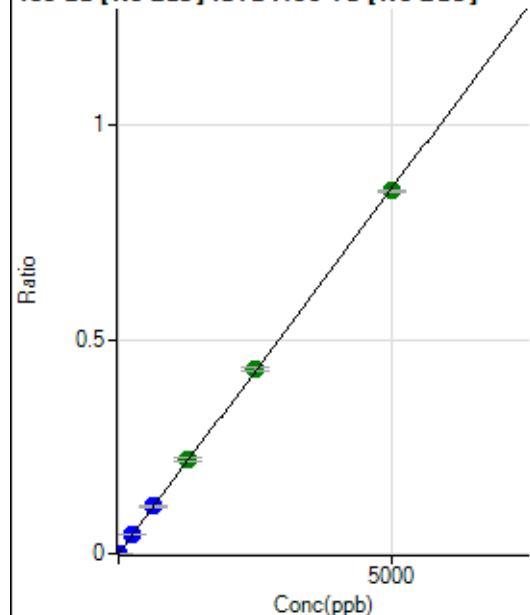
$$DL = 0.009973$$

$$BEC = 0.007197$$

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      | 19.45       | 0.0000 | P    | 25.8 |
| 2 | <input type="checkbox"/> | 10.000   | 10.798     | 24032.93    | 0.0018 | P    | 3.2  |
| 3 | <input type="checkbox"/> | 250.000  | 260.096    | 594485.71   | 0.0443 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 625.000  | 650.788    | 1464101.89  | 0.1109 | P    | 2.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1288.849   | 2941832.29  | 0.2197 | A    | 2.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2528.885   | 5798889.89  | 0.4310 | A    | 2.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 4972.115   | 11585379.77 | 0.8474 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 3250.50     | 0.0002 | P    | 5.7  |

$$y = 1.7043E-004 * x + 1.5375E-006$$

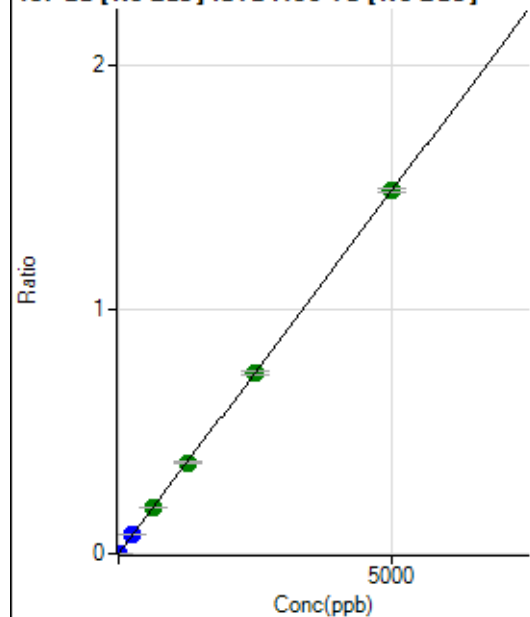
$$R = 0.9999$$

$$DL = 0.006993$$

$$BEC = 0.009021$$

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      | 41.67       | 0.0000 | P        | 21.2 |
| 2 | <input type="checkbox"/> | 10.000   | 11.147     | 43216.97    | 0.0033 | P        | 1.9  |
| 3 | <input type="checkbox"/> | 250.000  | 260.345    | 1036206.84  | 0.0773 | P        | 0.6  |
| 4 | <input type="checkbox"/> | 625.000  | 640.154    | 2508175.92  | 0.1900 | A        | 0.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1257.695   | 4999289.82  | 0.3732 | A        | 1.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2487.792   | 9933270.36  | 0.7383 | A        | 1.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 5001.767   | 20291937.09 | 1.4843 | A        | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 5784.71     | 0.0004 | P        | 5.6  |

$$y = 2.9675E-004 * x + 3.2941E-006$$

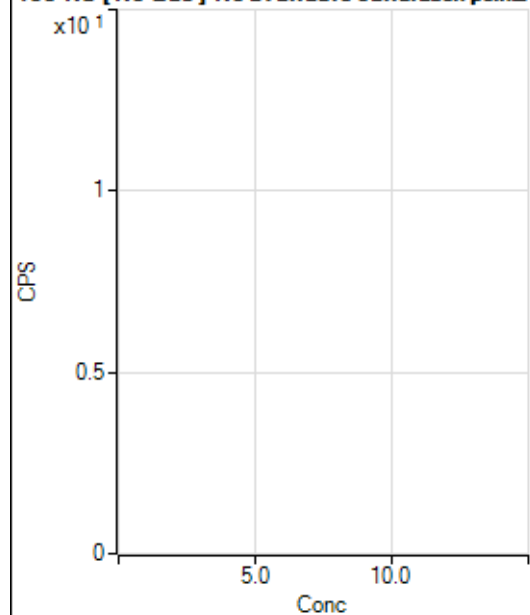
$$R = 1.0000$$

$$DL = 0.00705$$

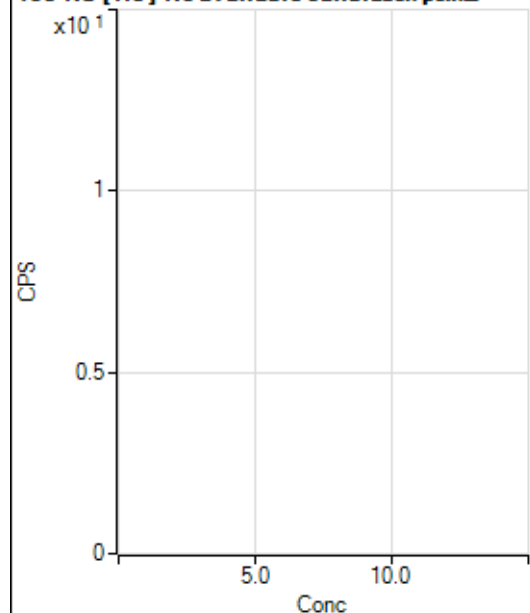
$$BEC = 0.0111$$

Weight: &lt;None&gt;

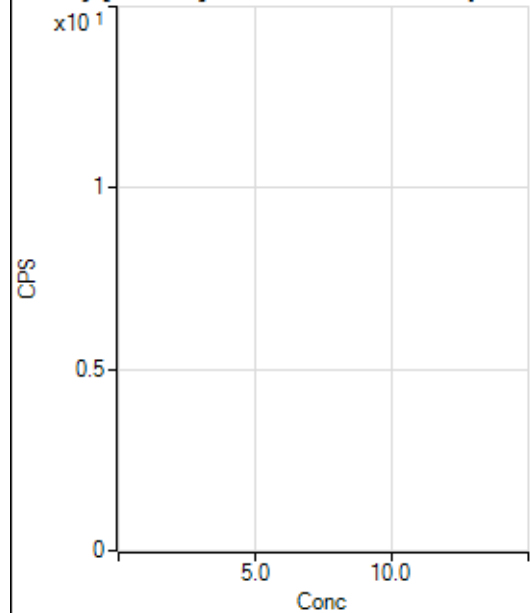
Min Conc: 0

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

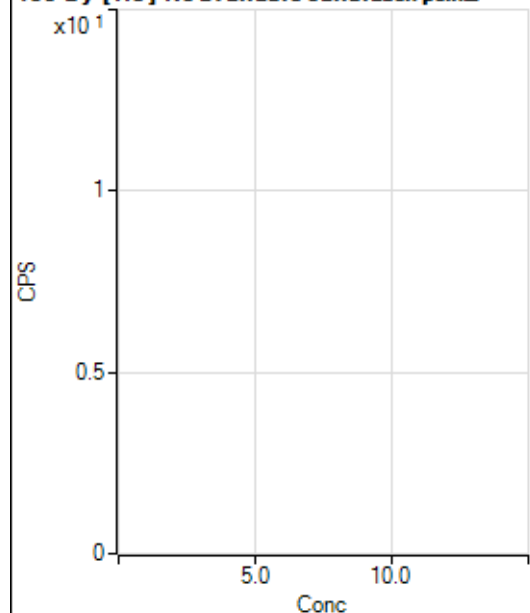
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 43.3 |
| 2 | <input type="checkbox"/> |       |            | 4.45   |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 28.89  |       | P        | 48.0 |
| 4 | <input type="checkbox"/> |       |            | 93.34  |       | P        | 37.1 |
| 5 | <input type="checkbox"/> |       |            | 124.45 |       | P        | 35.7 |
| 6 | <input type="checkbox"/> |       |            | 242.23 |       | P        | 5.7  |
| 7 | <input type="checkbox"/> |       |            | 464.46 |       | P        | 14.4 |
| 8 | <input type="checkbox"/> |       |            | 40.00  |       | P        | 44.1 |

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

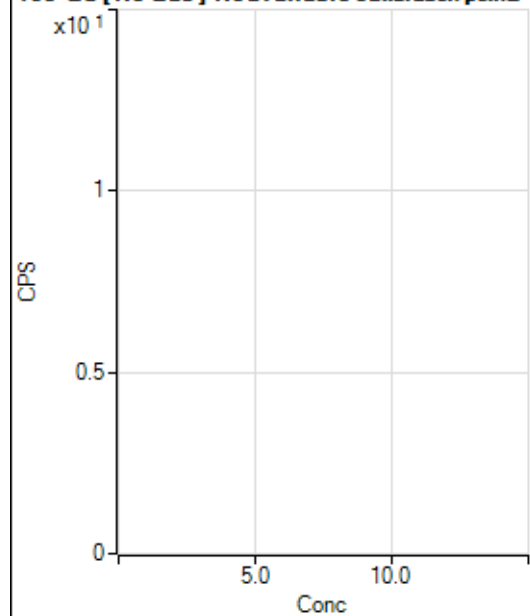
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|-------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173.2 |
| 2 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173.2 |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173.2 |
| 4 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7  |
| 5 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 75.5  |
| 6 | <input type="checkbox"/> |       |            | 20.00 |       | P        | 28.9  |
| 7 | <input type="checkbox"/> |       |            | 41.11 |       | P        | 40.0  |
| 8 | <input type="checkbox"/> |       |            | 20.00 |       | P        | 33.4  |

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

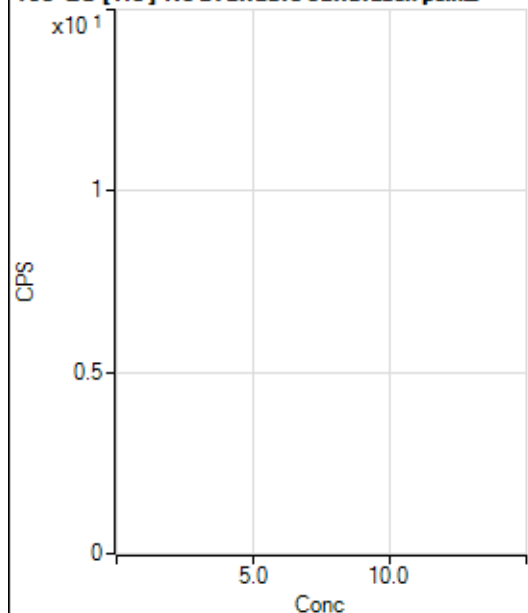
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.55    |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 5.55    |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 13.89   |       | P        | 91.6 |
| 4 | <input type="checkbox"/> |       |            | 86.11   |       | P        | 14.8 |
| 5 | <input type="checkbox"/> |       |            | 172.23  |       | P        | 43.9 |
| 6 | <input type="checkbox"/> |       |            | 361.13  |       | P        | 25.4 |
| 7 | <input type="checkbox"/> |       |            | 727.82  |       | P        | 8.7  |
| 8 | <input type="checkbox"/> |       |            | 1789.06 |       | P        | 5.9  |

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

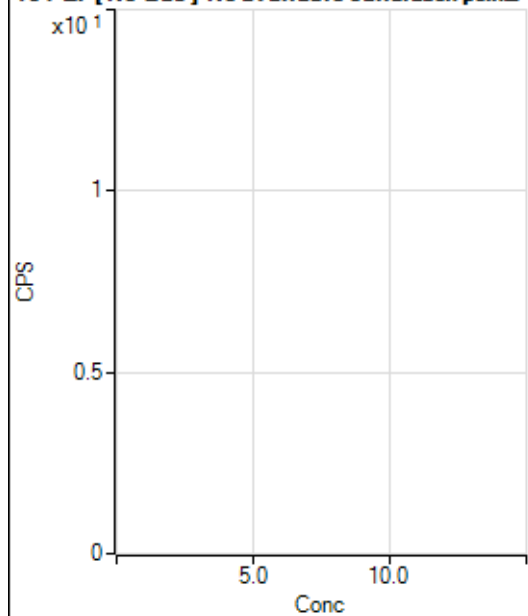
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 0.00   |       | P        |       |
| 2 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100.1 |
| 3 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 34.6  |
| 4 | <input type="checkbox"/> |       |            | 41.11  |       | P        | 48.9  |
| 5 | <input type="checkbox"/> |       |            | 87.78  |       | P        | 20.9  |
| 6 | <input type="checkbox"/> |       |            | 140.00 |       | P        | 19.1  |
| 7 | <input type="checkbox"/> |       |            | 318.90 |       | P        | 3.2   |
| 8 | <input type="checkbox"/> |       |            | 923.38 |       | P        | 4.1   |

**160 Gd [No Gas] Noavailable calibration poin\_**

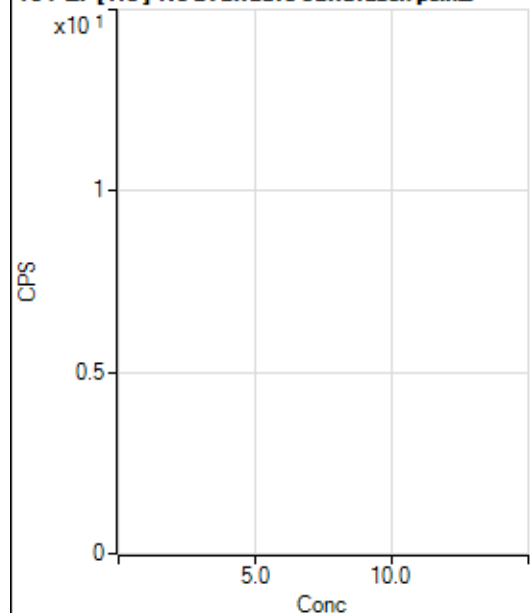
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 163.89  |       | P        | 45.6 |
| 2 | <input type="checkbox"/> |       |            | 213.90  |       | P        | 32.4 |
| 3 | <input type="checkbox"/> |       |            | 197.23  |       | P        | 29.7 |
| 4 | <input type="checkbox"/> |       |            | 236.12  |       | P        | 21.6 |
| 5 | <input type="checkbox"/> |       |            | 319.46  |       | P        | 13.4 |
| 6 | <input type="checkbox"/> |       |            | 419.46  |       | P        | 10.9 |
| 7 | <input type="checkbox"/> |       |            | 830.61  |       | P        | 2.3  |
| 8 | <input type="checkbox"/> |       |            | 2008.55 |       | P        | 6.4  |

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

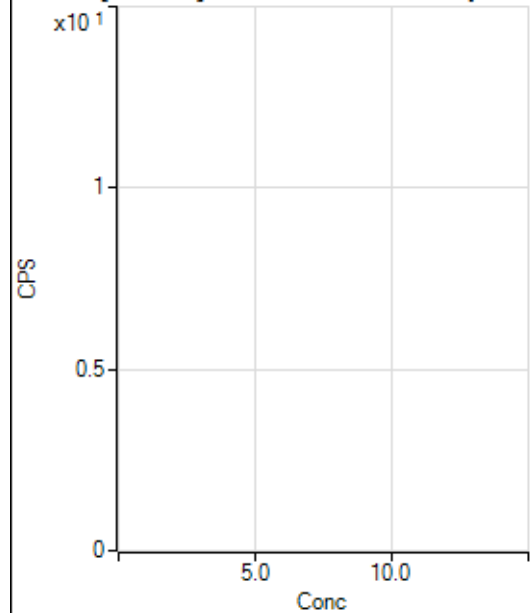
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 90.00   |       | P        | 19.6 |
| 2 | <input type="checkbox"/> |       |            | 72.22   |       | P        | 32.4 |
| 3 | <input type="checkbox"/> |       |            | 94.45   |       | P        | 20.7 |
| 4 | <input type="checkbox"/> |       |            | 95.56   |       | P        | 15.7 |
| 5 | <input type="checkbox"/> |       |            | 147.78  |       | P        | 7.9  |
| 6 | <input type="checkbox"/> |       |            | 215.56  |       | P        | 7.0  |
| 7 | <input type="checkbox"/> |       |            | 417.79  |       | P        | 9.5  |
| 8 | <input type="checkbox"/> |       |            | 1120.06 |       | P        | 0.8  |

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

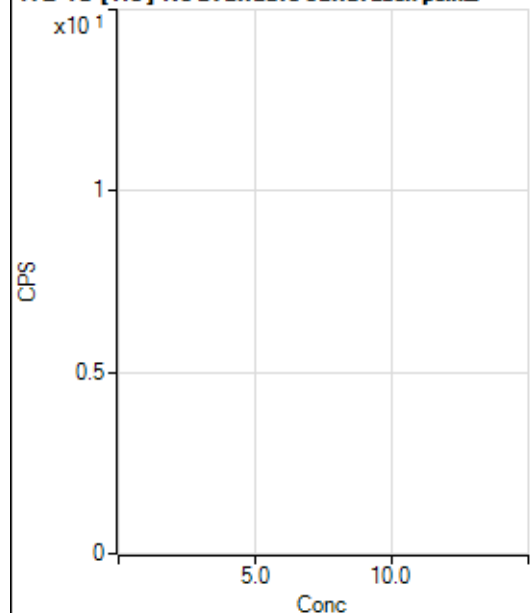
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 91.67  |       | P        | 36.4 |
| 2 | <input type="checkbox"/> |       |            | 94.45  |       | P        | 25.5 |
| 3 | <input type="checkbox"/> |       |            | 83.34  |       | P        | 20.0 |
| 4 | <input type="checkbox"/> |       |            | 80.56  |       | P        | 15.8 |
| 5 | <input type="checkbox"/> |       |            | 97.23  |       | P        | 43.1 |
| 6 | <input type="checkbox"/> |       |            | 177.78 |       | P        | 14.3 |
| 7 | <input type="checkbox"/> |       |            | 222.23 |       | P        | 44.7 |
| 8 | <input type="checkbox"/> |       |            | 308.34 |       | P        | 14.3 |

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

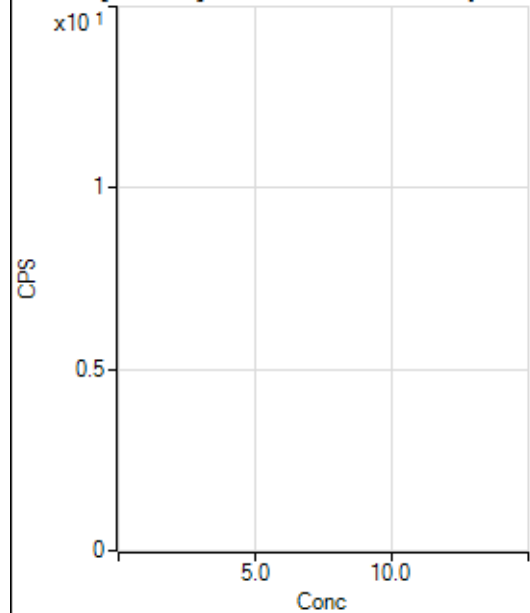
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 32.22  |       | P        | 15.8 |
| 2 | <input type="checkbox"/> |       |            | 42.22  |       | P        | 44.9 |
| 3 | <input type="checkbox"/> |       |            | 44.44  |       | P        | 43.3 |
| 4 | <input type="checkbox"/> |       |            | 51.11  |       | P        | 10.0 |
| 5 | <input type="checkbox"/> |       |            | 43.33  |       | P        | 7.7  |
| 6 | <input type="checkbox"/> |       |            | 74.45  |       | P        | 14.4 |
| 7 | <input type="checkbox"/> |       |            | 75.55  |       | P        | 30.0 |
| 8 | <input type="checkbox"/> |       |            | 123.34 |       | P        | 2.7  |

**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        | 26.7 |
| 2 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 50.0 |
| 3 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 0.0  |
| 4 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 31.2 |
| 5 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 48.0 |
| 6 | <input type="checkbox"/> |       |            | 47.22  |       | P        | 44.4 |
| 7 | <input type="checkbox"/> |       |            | 69.44  |       | P        | 13.9 |
| 8 | <input type="checkbox"/> |       |            | 108.34 |       | P        | 20.4 |

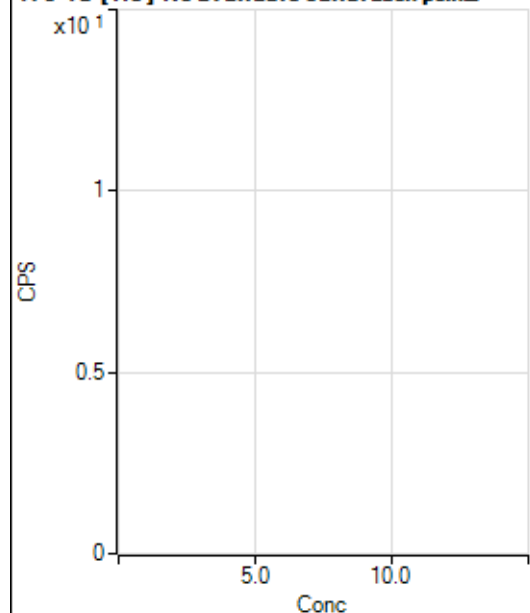
**172 Yb [He] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 34.6 |
| 2 | <input type="checkbox"/> |       |            | 14.82 |       | P        | 57.3 |
| 3 | <input type="checkbox"/> |       |            | 31.48 |       | P        | 36.7 |
| 4 | <input type="checkbox"/> |       |            | 20.37 |       | P        | 83.3 |
| 5 | <input type="checkbox"/> |       |            | 42.59 |       | P        | 15.1 |
| 6 | <input type="checkbox"/> |       |            | 29.63 |       | P        | 57.3 |
| 7 | <input type="checkbox"/> |       |            | 33.34 |       | P        | 28.9 |
| 8 | <input type="checkbox"/> |       |            | 51.85 |       | P        | 53.9 |

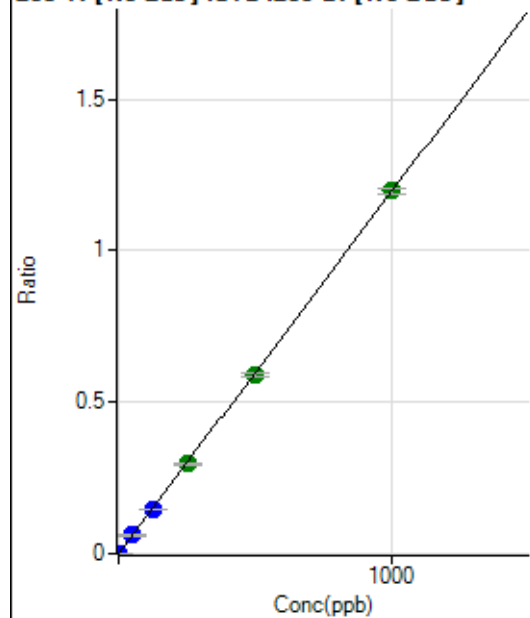
**176 Yb [No Gas] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1939.09 |       | P        | 7.6  |
| 2 | <input type="checkbox"/> |       |            | 2189.13 |       | P        | 4.5  |
| 3 | <input type="checkbox"/> |       |            | 2108.56 |       | P        | 11.4 |
| 4 | <input type="checkbox"/> |       |            | 2233.59 |       | P        | 6.4  |
| 5 | <input type="checkbox"/> |       |            | 2108.57 |       | P        | 2.8  |
| 6 | <input type="checkbox"/> |       |            | 1964.09 |       | P        | 4.9  |
| 7 | <input type="checkbox"/> |       |            | 2033.56 |       | P        | 0.4  |
| 8 | <input type="checkbox"/> |       |            | 2144.68 |       | P        | 4.5  |



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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4782.44 |       | P        | 10.0 |
| 2 | <input type="checkbox"/> |       |            | 3435.71 |       | P        | 13.2 |
| 3 | <input type="checkbox"/> |       |            | 2663.28 |       | P        | 9.0  |
| 4 | <input type="checkbox"/> |       |            | 2407.67 |       | P        | 0.7  |
| 5 | <input type="checkbox"/> |       |            | 2185.40 |       | P        | 3.3  |
| 6 | <input type="checkbox"/> |       |            | 2061.31 |       | P        | 5.4  |
| 7 | <input type="checkbox"/> |       |            | 2228.01 |       | P        | 3.1  |
| 8 | <input type="checkbox"/> |       |            | 2094.65 |       | P        | 8.2  |

**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      | 302.79     | 0.0000 | P        | 12.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.022      | 10271.06   | 0.0013 | P        | 1.2  |
| 3 | <input type="checkbox"/> | 50.000   | 50.658     | 493687.42  | 0.0605 | P        | 1.6  |
| 4 | <input type="checkbox"/> | 125.000  | 122.632    | 1196103.33 | 0.1464 | P        | 1.9  |
| 5 | <input type="checkbox"/> | 250.000  | 248.463    | 2439589.81 | 0.2966 | A        | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 495.877    | 4798161.65 | 0.5918 | A        | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.709   | 9628906.90 | 1.1967 | A        | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 2139.12    | 0.0003 | P        | 9.1  |

$$y = 0.0012 * x + 3.8203E-005$$

$$R = 1.0000$$

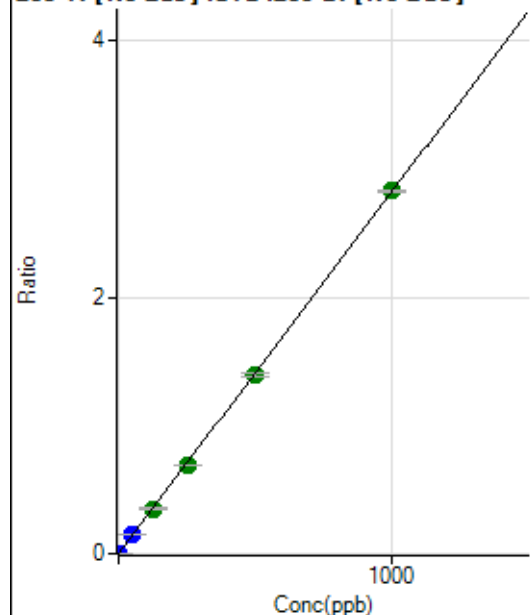
$$DL = 0.01236$$

$$BEC = 0.03201$$

Weight: &lt;None&gt;

Min Conc: 0

205 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      | 755.60      | 0.0001 | P        | 11.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.044      | 24802.32    | 0.0030 | P        | 2.8  |
| 3 | <input type="checkbox"/> | 50.000   | 50.843     | 1170913.27  | 0.1435 | P        | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 124.362    | 2866562.95  | 0.3508 | A        | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 244.284    | 5668240.36  | 0.6890 | A        | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 495.743    | 11336129.33 | 1.3982 | A        | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.595   | 22774670.82 | 2.8305 | A        | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 5092.83     | 0.0007 | P        | 6.9  |

$$y = 0.0028 * x + 9.5077E-005$$

$$R = 1.0000$$

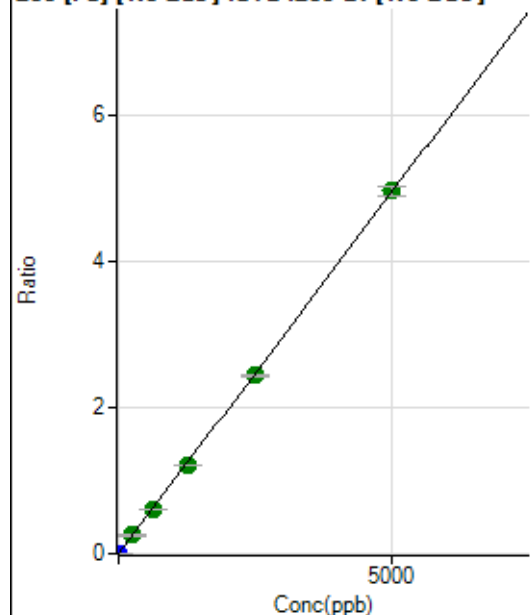
$$DL = 0.01125$$

$$BEC = 0.03371$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 366.68      | 0.0000 | P        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.028      | 8656.74     | 0.0011 | P        | 1.6 |
| 3 | <input type="checkbox"/> | 250.000  | 253.119    | 2039070.20  | 0.2499 | A        | 1.4 |
| 4 | <input type="checkbox"/> | 625.000  | 612.555    | 4939986.34  | 0.6046 | A        | 2.4 |
| 5 | <input type="checkbox"/> | 1250.000 | 1227.614   | 9968089.46  | 1.2117 | A        | 0.9 |
| 6 | <input type="checkbox"/> | 2500.000 | 2467.675   | 19746830.54 | 2.4356 | A        | 1.7 |
| 7 | <input type="checkbox"/> | 5000.000 | 5023.159   | 39888148.58 | 4.9579 | A        | 2.4 |
| 8 | <input type="checkbox"/> |          |            | 15602.21    | 0.0021 | P        | 3.0 |

$$y = 9.8700E-004 * x + 4.6230E-005$$

$$R = 1.0000$$

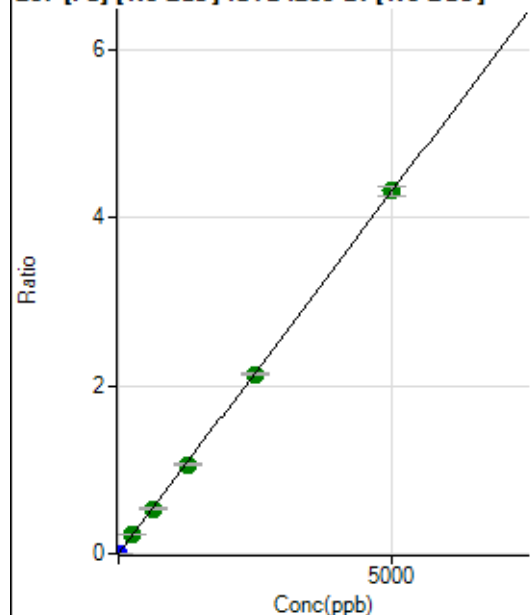
$$DL = 0.001098$$

$$BEC = 0.04684$$

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      | 335.20      | 0.0000 | P        | 9.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.013      | 7457.80     | 0.0009 | P        | 0.7 |
| 3 | <input type="checkbox"/> | 250.000  | 253.085    | 1776920.18  | 0.2177 | A        | 0.1 |
| 4 | <input type="checkbox"/> | 625.000  | 623.306    | 4380741.27  | 0.5362 | A        | 3.0 |
| 5 | <input type="checkbox"/> | 1250.000 | 1229.818   | 8702223.69  | 1.0579 | A        | 2.1 |
| 6 | <input type="checkbox"/> | 2500.000 | 2480.898   | 17301327.01 | 2.1340 | A        | 1.5 |
| 7 | <input type="checkbox"/> | 5000.000 | 5014.654   | 34705362.58 | 4.3135 | A        | 2.5 |
| 8 | <input type="checkbox"/> |          |            | 13874.31    | 0.0019 | P        | 4.0 |

$$y = 8.6017E-004 * x + 4.2182E-005$$

$$R = 1.0000$$

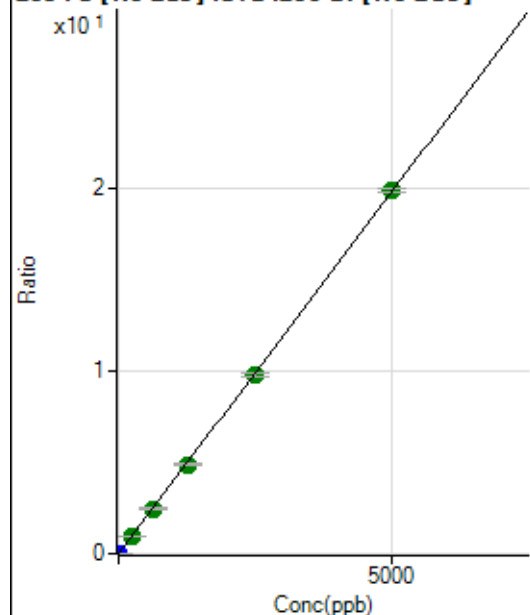
$$DL = 0.01404$$

$$BEC = 0.04904$$

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      | 1487.10     | 0.0002  | P        | 5.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.032      | 34841.32    | 0.0043  | P        | 1.0 |
| 3 | <input type="checkbox"/> | 250.000  | 251.306    | 8113367.00  | 0.9942  | A        | 0.4 |
| 4 | <input type="checkbox"/> | 625.000  | 620.543    | 20056182.36 | 2.4547  | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1250.000 | 1229.005   | 39990633.30 | 4.8614  | A        | 1.5 |
| 6 | <input type="checkbox"/> | 2500.000 | 2476.161   | 79407121.92 | 9.7944  | A        | 1.5 |
| 7 | <input type="checkbox"/> | 5000.000 | 5017.660   | 159696280.6 | 19.8471 | A        | 1.0 |
| 8 | <input type="checkbox"/> |          |            | 63298.65    | 0.0086  | P        | 1.9 |

$$y = 0.0040 * x + 1.8735E-004$$

$$R = 1.0000$$

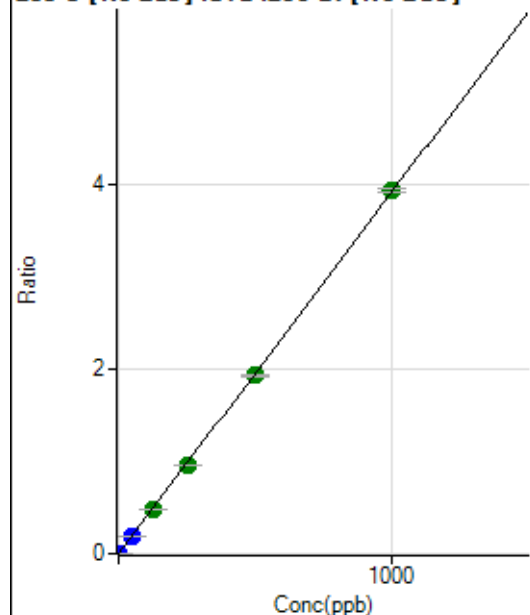
$$DL = 0.007234$$

$$BEC = 0.04736$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 13.89       | 0.0000 | P        | 93.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.984      | 31459.31    | 0.0039 | P        | 1.4  |
| 3 | <input type="checkbox"/> | 50.000   | 48.882     | 1562218.38  | 0.1914 | P        | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 122.330    | 3914114.06  | 0.4791 | A        | 2.6  |
| 5 | <input type="checkbox"/> | 250.000  | 245.185    | 7899352.61  | 0.9602 | A        | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 493.220    | 15659343.58 | 1.9315 | A        | 1.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1004.984   | 31669501.06 | 3.9357 | A        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 2883.74     | 0.0004 | P        | 8.2  |

$$y = 0.0039 * x + 1.7502E-006$$

$$R = 1.0000$$

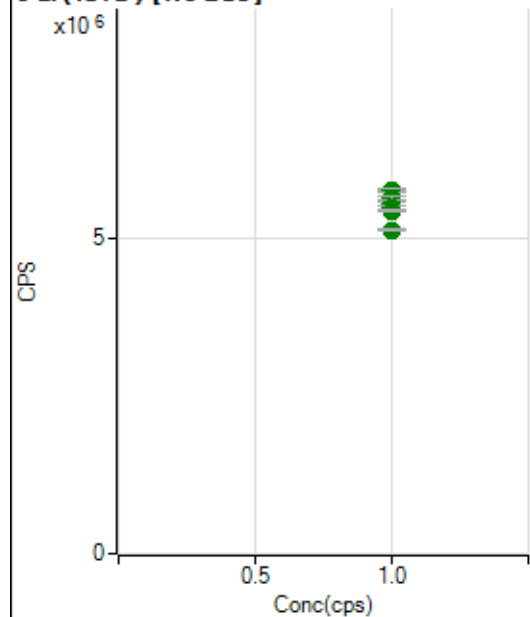
$$DL = 0.001249$$

$$BEC = 0.0004469$$

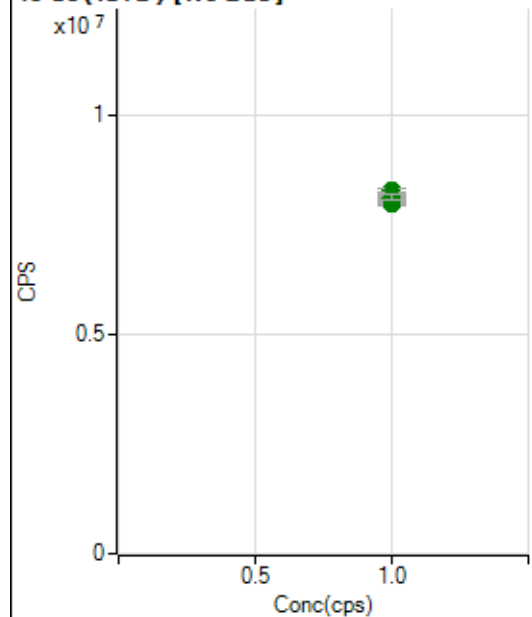
Weight: &lt;None&gt;

Min Conc: 0

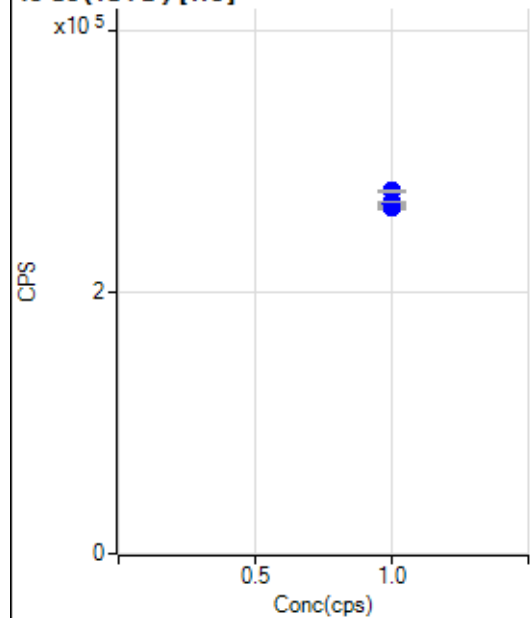
6 Li (ISTD) [No Gas]



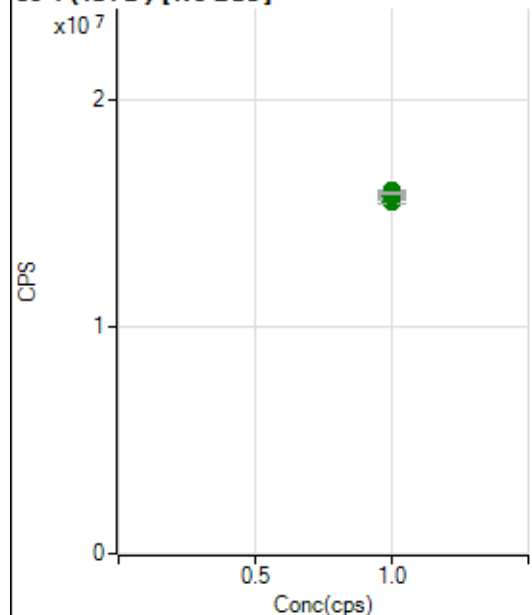
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5541581.58 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5648457.29 |       | A        | 3.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5742198.24 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5546523.18 |       | A        | 1.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5631278.18 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5475900.93 |       | A        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5428230.55 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5121506.57 |       | A        | 0.4 |

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

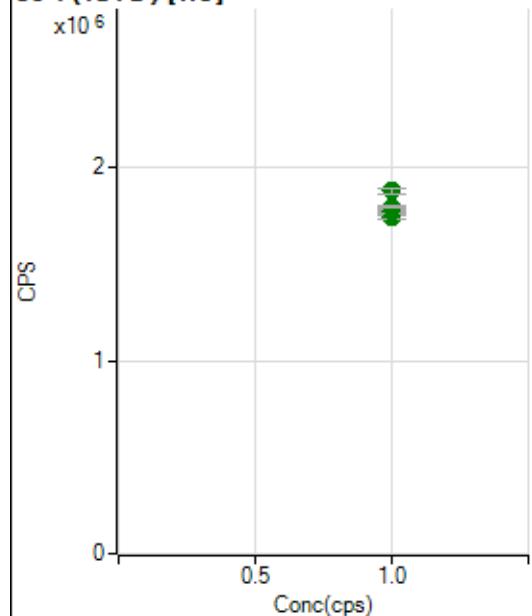
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7995265.99 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8034689.60 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8279043.14 |       | A        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8064260.65 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8208069.67 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8086734.95 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8111903.91 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8135388.49 |       | A        | 1.5 |

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

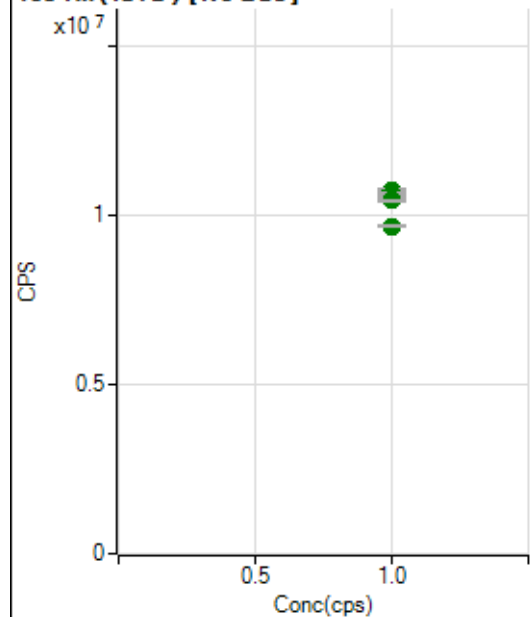
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 265711.13 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 264352.46 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 264527.74 |       | P        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 264324.30 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 266228.76 |       | P        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 267581.60 |       | P        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 269405.26 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 277710.29 |       | P        | 0.3 |

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

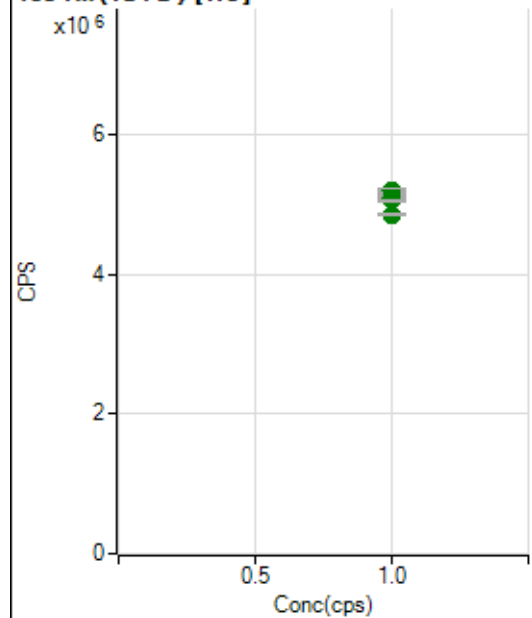
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 15796717.68 |       | A        | 1.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 15689971.01 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 16007546.15 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 15535522.41 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 15939110.46 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 15797578.10 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 15955645.18 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 15882044.63 |       | A        | 0.6 |

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

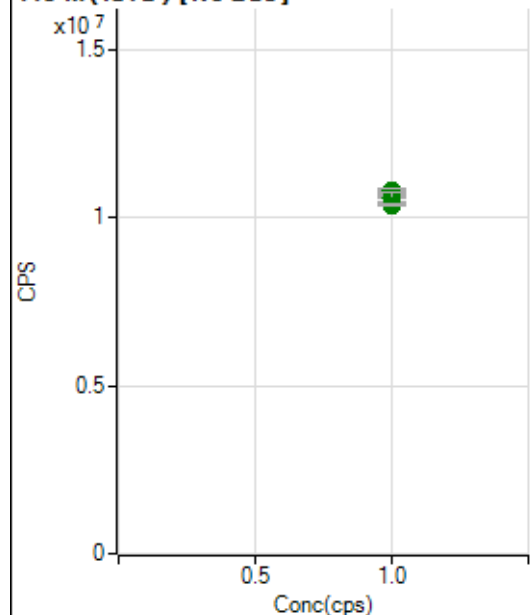
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1746687.84 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1774409.23 |       | A        | 3.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1781179.96 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1782316.97 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1771115.28 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1775795.27 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1795778.97 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1878051.71 |       | A        | 1.4 |

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

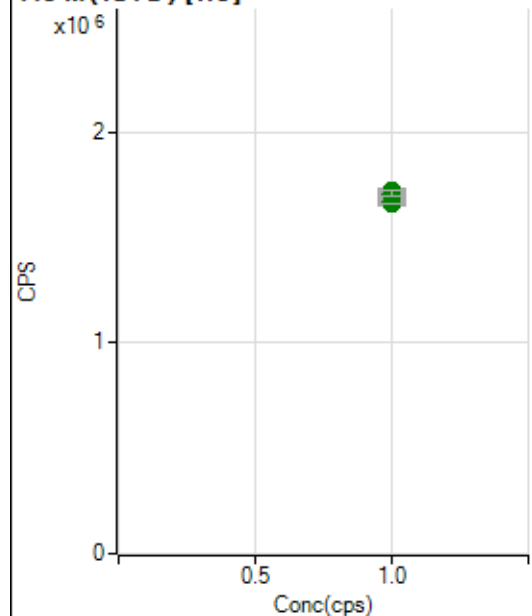
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10664623.15 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10658107.62 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10702032.53 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10524028.71 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10627807.18 |       | A        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10443556.23 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10418824.10 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9661538.23  |       | A        | 0.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5170538.60 |       | A        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5188169.71 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5199278.25 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5200725.13 |       | A        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5092516.97 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5103012.84 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5059331.56 |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4861625.83 |       | A        | 0.9 |

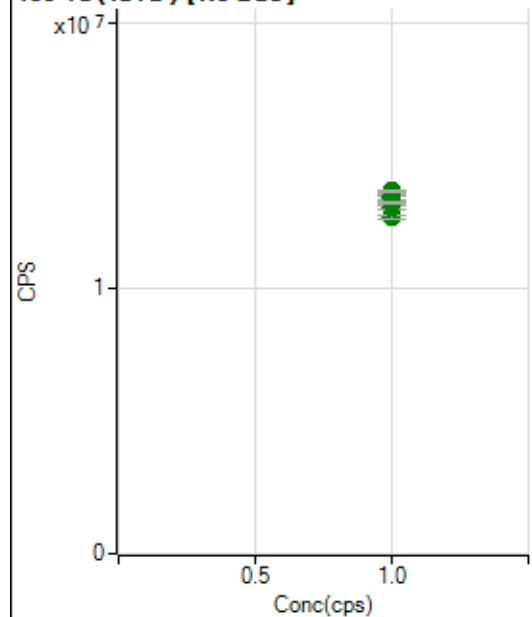
**115 In (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10662999.67 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10715952.30 |       | A        | 1.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10805254.91 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10726569.31 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10693820.53 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10802324.52 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10617391.56 |       | A        | 2.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10381285.75 |       | A        | 0.8 |

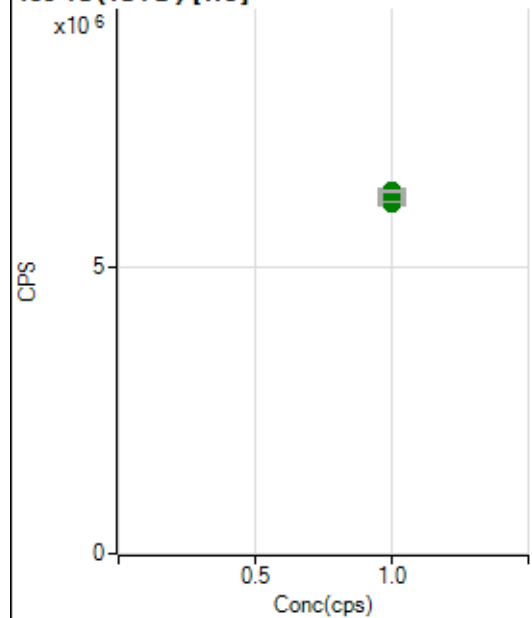
**115 In (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1700221.21 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1722123.70 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1710870.88 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1716801.30 |       | A        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1686203.50 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1661224.30 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1674307.49 |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1710038.78 |       | A        | 1.4 |

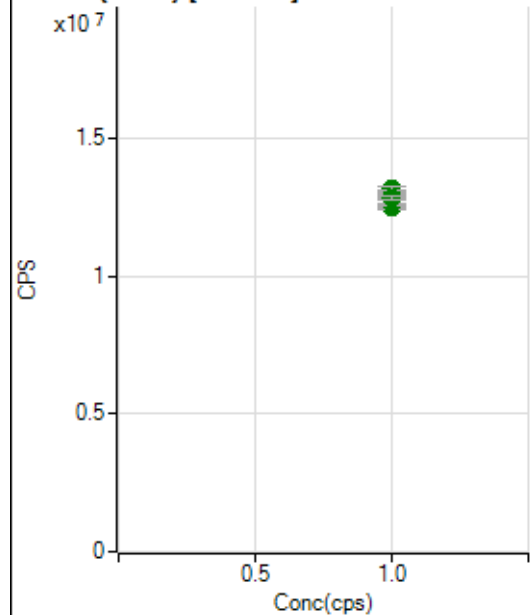


**159 Tb (ISTD) [No Gas]**

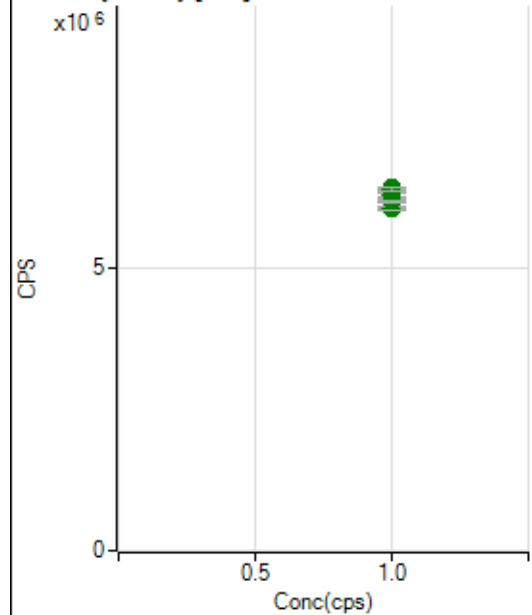
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12670580.92 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 13052341.75 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 13412005.50 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 13204116.61 |       | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 13397142.86 |       | A        | 1.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 13456357.58 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 13671662.30 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 13229810.50 |       | A        | 0.7 |

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

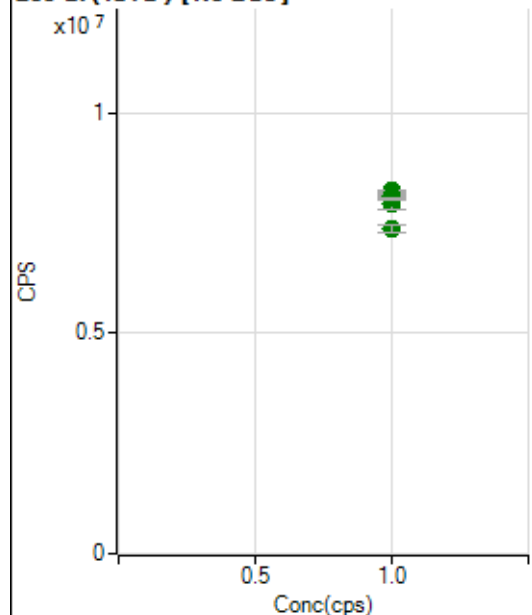
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6099375.33 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6131298.18 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6215770.67 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6108371.92 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6165343.86 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6154552.97 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6327360.74 |       | A        | 1.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6339982.61 |       | A        | 0.7 |

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

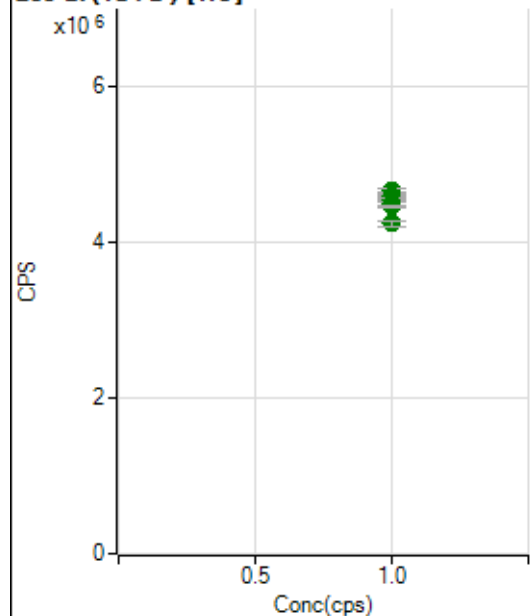
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12458480.92 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 12609556.19 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 12905207.49 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12879577.20 |       | A        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 12989810.45 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 13132378.59 |       | A        | 2.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 13161071.47 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 12812284.40 |       | A        | 1.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6083944.56 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6059414.29 |       | A        | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6258359.56 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6240669.98 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6298738.52 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6192914.56 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6430533.45 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6405535.18 |       | A        | 1.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7930343.01 |       | A        | 3.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8161718.63 |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8160780.51 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8171419.32 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8226756.54 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8108101.20 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8046503.00 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7363249.61 |       | A        | 2.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4573252.08 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4537607.36 |       | A        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4654482.81 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4598890.11 |       | A        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4563166.53 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4494156.91 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4460181.11 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4234472.54 |       | A        | 2.1 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8081421MS.b  
Acq. Date-Time 2021-08-14 06:40:23  
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    |              | 18772  | 187715.14  |                            |             | 2.572  | 5.000           |
| 24   |              | 156167 | 1561666.49 |                            |             | 2.534  | 5.000           |
| 25   |              | 21275  | 212747.63  |                            |             | 2.703  | 5.000           |
| 26   |              | 24602  | 246022.37  |                            |             | 2.493  | 5.000           |
| 59   |              | 32322  | 323218.48  |                            |             | 2.454  | 5.000           |
| 113  |              | 14475  | 144746.08  |                            |             | 2.730  | 5.000           |
| 115  |              | 44153  | 441526.56  |                            |             | 2.405  | 5.000           |
| 206  |              | 19068  | 190684.51  |                            |             | 2.740  | 5.000           |
| 207  |              | 15950  | 159495.81  |                            |             | 2.927  | 5.000           |
| 208  |              | 40281  | 402810.71  |                            |             | 3.066  | 5.000           |
| 220  |              | 0      | 3.30       |                            |             | 50.933 |                 |

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

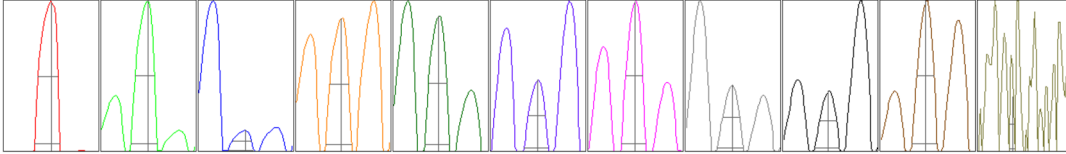
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 19074       | 18286       | 18205       | 19185       | 19108       |
| 24   | 157183      | 151823      | 152298      | 158801      | 160729      |
| 25   | 21558       | 20593       | 20713       | 21732       | 21777       |
| 26   | 24840       | 23898       | 23992       | 25125       | 25156       |
| 59   | 32464       | 31417       | 31583       | 33039       | 33107       |
| 113  | 14536       | 14082       | 14050       | 14850       | 14856       |
| 115  | 44888       | 43071       | 42914       | 45017       | 44873       |
| 206  | 18992       | 18524       | 18612       | 19577       | 19637       |
| 207  | 15826       | 15439       | 15607       | 16445       | 16432       |
| 208  | 39816       | 39019       | 39380       | 41710       | 41481       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 31259.86    | 9.05   | 8.90 - 9.10     |             |
| 24   | 271173.96   | 24.00  | 23.90 - 24.10   |             |
| 25   | 37073.40    | 25.00  | 24.90 - 25.10   |             |
| 26   | 42154.63    | 25.95  | 25.90 - 26.10   |             |
| 59   | 58623.82    | 58.95  | 58.90 - 59.10   |             |
| 113  | 28192.29    | 113.00 | 112.90 - 113.10 |             |
| 115  | 85523.36    | 115.00 | 114.90 - 115.10 |             |
| 206  | 36075.03    | 206.00 | 205.90 - 206.10 |             |
| 207  | 30217.36    | 206.95 | 206.90 - 207.10 |             |
| 208  | 75787.72    | 207.95 | 207.90 - 208.10 |             |
| 220  | 0.25        | 219.65 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.64  | 0.786 | 0.900           |             |
| 24   | 0.61  | 0.829 | 0.900           |             |
| 25   | 0.61  | 0.794 | 0.900           |             |
| 26   | 0.62  | 0.826 | 0.900           |             |
| 59   | 0.58  | 0.781 | 0.900           |             |
| 113  | 0.54  | 0.768 | 0.900           |             |
| 115  | 0.53  | 0.771 | 0.900           |             |
| 206  | 0.54  | 0.822 | 0.900           |             |
| 207  | 0.54  | 0.784 | 0.900           |             |
| 208  | 0.54  | 0.788 | 0.900           |             |
| 220  | 0.16  | 0.196 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.75 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    | 10.4 V | Deflect    | 15.6 V |
| Extract 2  | -240.0 V | Cell Entrance | -30 V  | Plate Bias | -50 V  |
| Omega Bias | -115 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      | 140 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 0.9993 | QP Bias | -4.0 V |
| Mass Offset | 124 | Axis Offset | -0.03  |         |        |

## Hardware Settings

### Torch

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

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.9 mV | Analog HV | 2227 V | Pulse HV | 1528 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 7376  | 73764.42  |                            |             | 0.617 |                 |
| 89   |              | 21953 | 219525.73 |                            |             | 0.738 |                 |
| 205  |              | 24098 | 240983.39 |                            |             | 0.515 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 7337        | 7442        | 7330        | 7390        | 7383        |
| 89   | 21802       | 22068       | 21793       | 22161       | 21939       |
| 205  | 23963       | 24246       | 24048       | 24022       | 24213       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |         |                |            |               |            |
|--------------|---------|----------------|------------|---------------|------------|
| Plasma Mode  | ---     | Nebulizer Gas  | 0.75 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 | 10.4 V | Deflect | 4.2 V |
|-----------|--------|------------|--------|---------|-------|

# US EPA Tune Check Report

|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -240.0 V   | Cell Entrance | -50 V   | Plate Bias            | -60 V   |
| Omega Bias               | -115 V     | Cell Exit     | -70 V   |                       |         |
| <b>Cell Parameters</b>   |            |               |         |                       |         |
| 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   |                       |         |
| <b>QP Parameters</b>     |            |               |         |                       |         |
| Mass Gain                | 123        | Axis Gain     | 0.9993  | QP Bias               | -13.0 V |
| Mass Offset              | 124        | Axis Offset   | -0.03   |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | 0.8 mm     | Torch V       | -0.9 mm |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 3.9 mV     | Analog HV     | 2227 V  | Pulse HV              | 1528 V  |