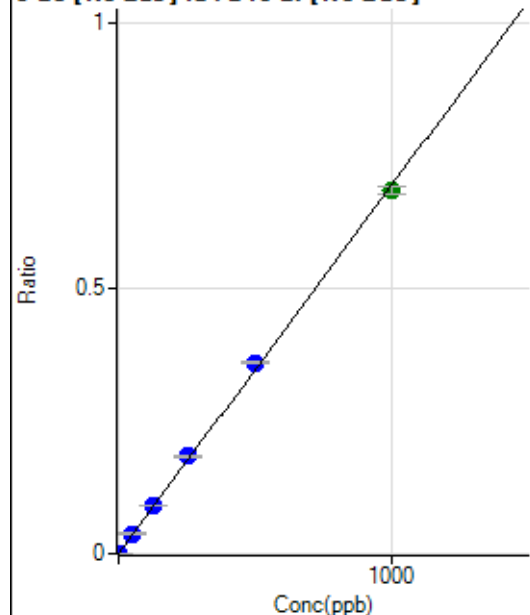


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8022823MS.b\  
Analysis File: P8022823MS.batch.bin  
DA Date-Time: 2023-03-01 01:26:53  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2023-02-28 11:29:08 |
| 2     | 005CALS.d          | S02         | 2023-02-28 11:32:11 |
| 3     | 006CALS.d          | S03         | 2023-02-28 11:35:17 |
| 4     | 007CALS.d          | S04         | 2023-02-28 11:38:19 |
| 5     | 008CALS.d          | S05         | 2023-02-28 11:41:20 |
| 6     | 009CALS.d          | S06         | 2023-02-28 11:44:18 |
| 7     | 010CALS.d          | S07         | 2023-02-28 11:47:19 |
| 8     | 011CALS.d          | S08         | 2023-02-28 11:50:17 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 32.92      | 0.0000 | P    | 9.5  |
| 2 | <input type="checkbox"/> | 1.000    | 1.127      | 1841.56    | 0.0008 | P    | 2.4  |
| 3 | <input type="checkbox"/> | 50.000   | 54.127     | 84591.22   | 0.0375 | P    | 9.1  |
| 4 | <input type="checkbox"/> | 125.000  | 131.652    | 212612.28  | 0.0912 | P    | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 265.387    | 420895.67  | 0.1839 | P    | 2.0  |
| 6 | <input type="checkbox"/> | 500.000  | 519.525    | 822971.80  | 0.3600 | P    | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 985.353    | 1596180.26 | 0.6827 | A    | 2.1  |
| 8 | <input type="checkbox"/> |          |            | 636.19     | 0.0003 | P    | 11.5 |

$$y = 6.9284\text{E-}004 * x + 1.4251\text{E-}005$$

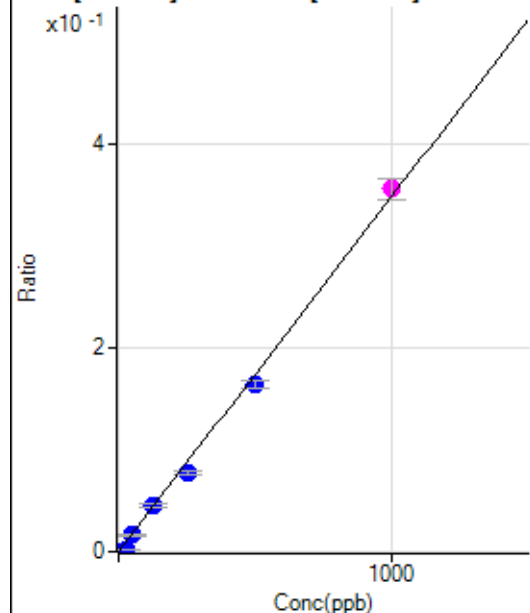
$$R = 0.9996$$

$$DL = 0.005883$$

$$BEC = 0.02057$$

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      | 319.94    | 0.0001 | P    | 4.7  |
| 2 | <input type="checkbox"/> | 25.000   | 6.000      | 5163.24   | 0.0022 | P    | 10.0 |
| 3 | <input type="checkbox"/> | 50.000   | 45.846     | 36502.01  | 0.0161 | P    | 3.8  |
| 4 | <input type="checkbox"/> | 125.000  | 130.765    | 106625.32 | 0.0458 | P    | 6.8  |
| 5 | <input type="checkbox"/> | 250.000  | 219.604    | 175835.33 | 0.0767 | P    | 4.6  |
| 6 | <input type="checkbox"/> | 500.000  | 470.418    | 375415.86 | 0.1642 | P    | 5.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1022.352   | 834043.46 | 0.3567 | M    | 6.2  |
| 8 | <input type="checkbox"/> |          |            | 64579.29  | 0.0304 | P    | 17.9 |

$$y = 3.4881\text{E-}004 * x + 1.3851\text{E-}004$$

$$R = 0.9988$$

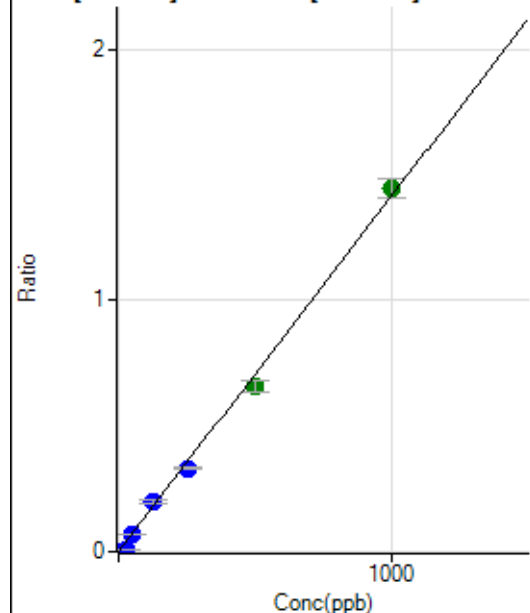
$$DL = 0.0561$$

$$BEC = 0.3971$$

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      | 1360.46    | 0.0006 | P    | 3.3  |
| 2 | <input type="checkbox"/> | 25.000   | 6.373      | 22241.07   | 0.0096 | P    | 7.0  |
| 3 | <input type="checkbox"/> | 50.000   | 48.601     | 156944.88  | 0.0694 | P    | 4.2  |
| 4 | <input type="checkbox"/> | 125.000  | 139.235    | 460641.17  | 0.1976 | P    | 6.9  |
| 5 | <input type="checkbox"/> | 250.000  | 233.983    | 759995.23  | 0.3317 | P    | 3.7  |
| 6 | <input type="checkbox"/> | 500.000  | 464.734    | 1504800.68 | 0.6583 | A    | 6.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1020.393   | 3377215.47 | 1.4447 | A    | 5.4  |
| 8 | <input type="checkbox"/> |          |            | 273642.00  | 0.1288 | P    | 17.5 |

$$y = 0.0014 * x + 5.8900E-004$$

$$R = 0.9987$$

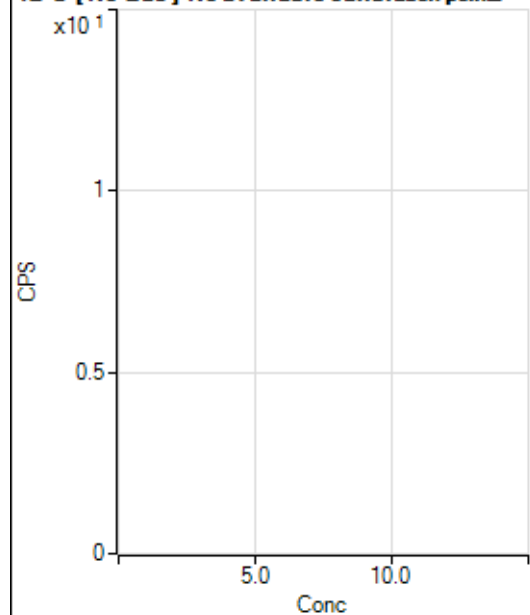
$$DL = 0.04061$$

$$BEC = 0.4162$$

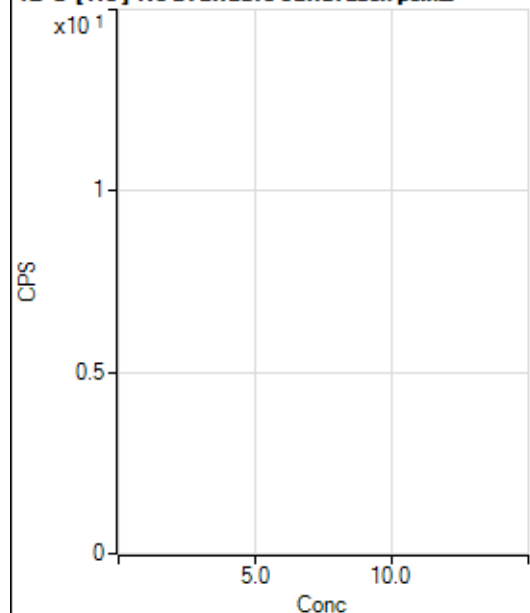
Weight: &lt;None&gt;

Min Conc: 0

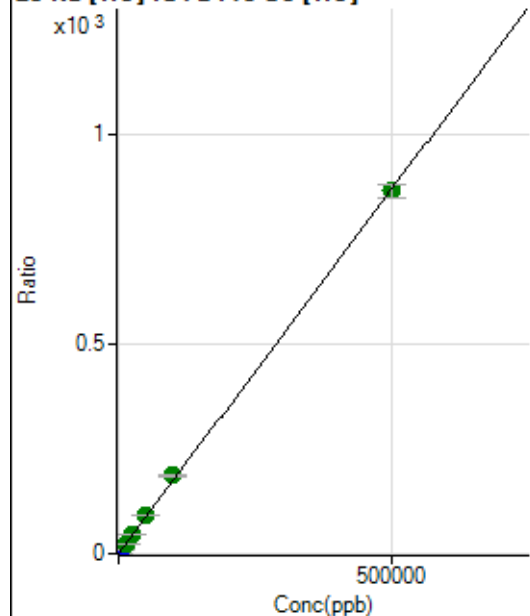
12 C [No Gas] No available calibration points



|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> |       |            | 3454988.79 |       | A    | 0.7 |
| 2 | <input type="checkbox"/> |       |            | 3448627.81 |       | A    | 1.4 |
| 3 | <input type="checkbox"/> |       |            | 3388707.89 |       | A    | 0.8 |
| 4 | <input type="checkbox"/> |       |            | 3443137.10 |       | A    | 1.0 |
| 5 | <input type="checkbox"/> |       |            | 3607116.05 |       | A    | 3.2 |
| 6 | <input type="checkbox"/> |       |            | 3724913.89 |       | A    | 2.3 |
| 7 | <input type="checkbox"/> |       |            | 3731931.11 |       | A    | 2.9 |
| 8 | <input type="checkbox"/> |       |            | 3594797.96 |       | A    | 2.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 40576.09 |       | P        | 0.9 |
| 2 | <input type="checkbox"/> |       |            | 40612.31 |       | P        | 0.9 |
| 3 | <input type="checkbox"/> |       |            | 40603.86 |       | P        | 1.0 |
| 4 | <input type="checkbox"/> |       |            | 41464.62 |       | P        | 1.8 |
| 5 | <input type="checkbox"/> |       |            | 45117.27 |       | P        | 7.2 |
| 6 | <input type="checkbox"/> |       |            | 46186.99 |       | P        | 1.4 |
| 7 | <input type="checkbox"/> |       |            | 46942.36 |       | P        | 0.9 |
| 8 | <input type="checkbox"/> |       |            | 47106.51 |       | P        | 1.2 |

**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      | 11121.17    | 0.1403   | P        | 3.9 |
| 2 | <input type="checkbox"/> | 500.000   | 510.876    | 82000.49    | 1.0299   | P        | 1.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5373.836   | 743061.67   | 9.4973   | P        | 1.8 |
| 4 | <input type="checkbox"/> | 12500.000 | 13846.096  | 1856473.48  | 24.2493  | A        | 3.0 |
| 5 | <input type="checkbox"/> | 25000.000 | 27286.763  | 3653430.77  | 47.6523  | A        | 2.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 53519.503  | 7237142.09  | 93.3290  | A        | 1.1 |
| 7 | <input type="checkbox"/> | 100000.00 | 107584.37  | 14848594.43 | 187.4673 | A        | 2.7 |
| 8 | <input type="checkbox"/> | 500000.00 | 497979.43  | 67276470.25 | 867.2270 | A        | 4.0 |

$$y = 0.0017 * x + 0.1403$$

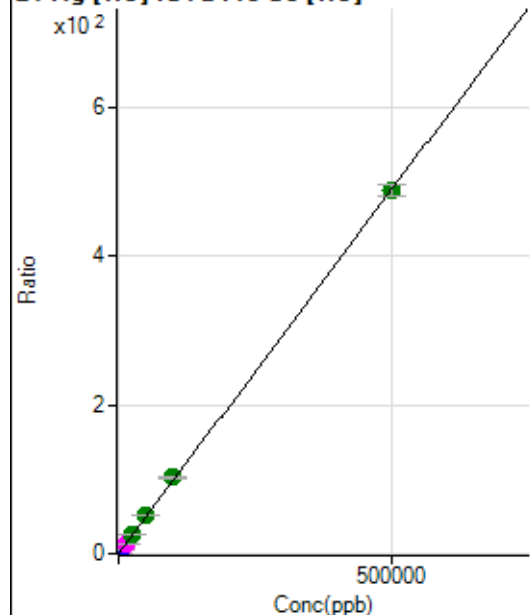
$$R = 0.9999$$

$$DL = 9.523$$

$$BEC = 80.58$$

Weight: &lt;None&gt;

Min Conc: 0

**24 Mg [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      | 391.68      | 0.0049   | P    | 6.8 |
| 2 | <input type="checkbox"/> | 500.000   | 514.256    | 40387.25    | 0.5072   | P    | 1.5 |
| 3 | <input type="checkbox"/> | 5000.000  | 5386.588   | 412015.08   | 5.2661   | P    | 1.7 |
| 4 | <input type="checkbox"/> | 12500.000 | 13606.273  | 1017715.70  | 13.2943  | M    | 3.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 27213.302  | 2038298.01  | 26.5844  | A    | 1.8 |
| 6 | <input type="checkbox"/> | 50000.000 | 53662.350  | 4063998.70  | 52.4174  | A    | 1.5 |
| 7 | <input type="checkbox"/> | 100000.00 | 104905.11  | 8115897.75  | 102.4667 | A    | 3.4 |
| 8 | <input type="checkbox"/> | 500000.00 | 498510.53  | 37779178.97 | 486.9047 | A    | 3.3 |

$$y = 9.7671\text{E-}004 * x + 0.0049$$

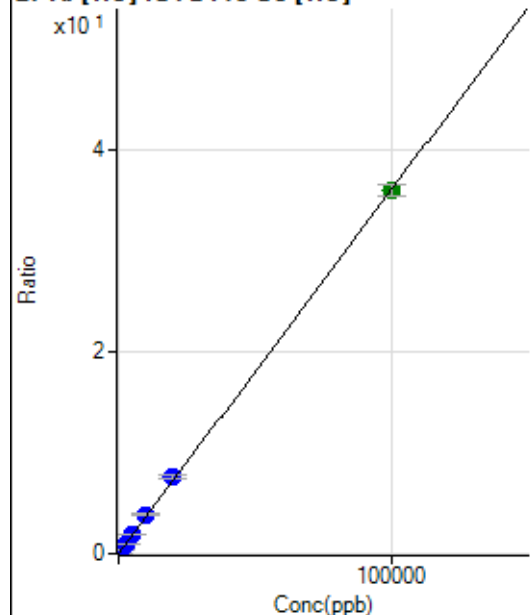
$$R = 0.9999$$

$$DL = 1.036$$

$$BEC = 5.056$$

Weight: &lt;None&gt;

Min Conc: 0

**27 Al [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      | 62.91      | 0.0008  | P    | 25.9 |
| 2 | <input type="checkbox"/> | 20.000    | 21.523     | 682.01     | 0.0086  | P    | 0.3  |
| 3 | <input type="checkbox"/> | 1000.000  | 1065.843   | 30176.53   | 0.3857  | P    | 2.0  |
| 4 | <input type="checkbox"/> | 2500.000  | 2726.000   | 75426.00   | 0.9852  | P    | 1.9  |
| 5 | <input type="checkbox"/> | 5000.000  | 5421.975   | 150170.13  | 1.9588  | P    | 2.4  |
| 6 | <input type="checkbox"/> | 10000.000 | 10777.449  | 301870.63  | 3.8928  | P    | 1.6  |
| 7 | <input type="checkbox"/> | 20000.000 | 21177.008  | 605804.59  | 7.6484  | P    | 3.3  |
| 8 | <input type="checkbox"/> | 100000.00 | 99659.446  | 2792417.05 | 35.9907 | A    | 3.3  |

$$y = 3.6113\text{E-}004 * x + 7.9150\text{E-}004$$

$$R = 0.9999$$

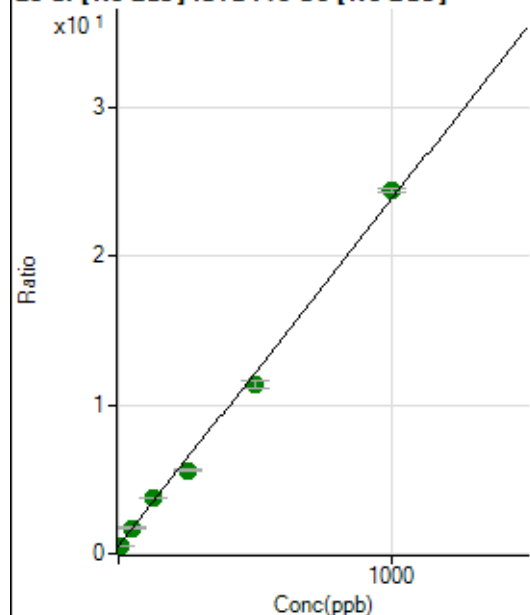
$$DL = 1.705$$

$$BEC = 2.192$$

Weight: &lt;None&gt;

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      | 1278216.80  | 0.5335  | A    | 1.2 |
| 2 | <input type="checkbox"/> | 10.000   | 0.640      | 1310010.72  | 0.5484  | A    | 2.6 |
| 3 | <input type="checkbox"/> | 50.000   | 51.203     | 3926461.24  | 1.7268  | A    | 9.1 |
| 4 | <input type="checkbox"/> | 125.000  | 137.165    | 9166405.33  | 3.7302  | A    | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 217.099    | 13319156.29 | 5.5931  | A    | 3.0 |
| 6 | <input type="checkbox"/> | 500.000  | 465.107    | 27226295.05 | 11.3732 | A    | 4.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 1024.184   | 61242098.59 | 24.4029 | A    | 1.1 |
| 8 | <input type="checkbox"/> |          |            | 1573465.14  | 0.6812  | A    | 6.6 |

$$y = 0.0233 * x + 0.5335$$

$$R = 0.9983$$

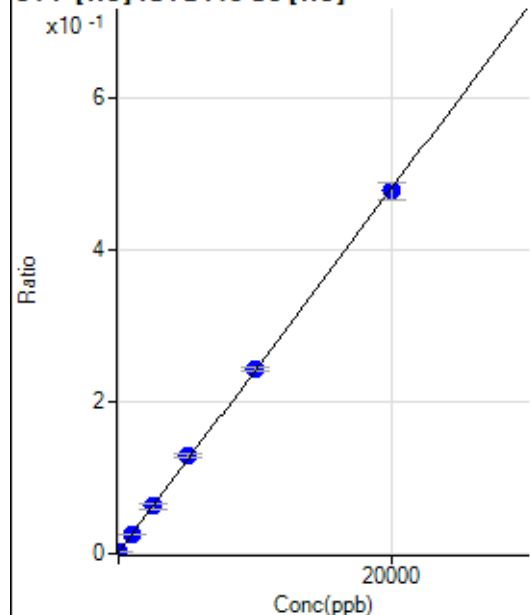
$$DL = 0.8427$$

$$BEC = 22.89$$

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     | -2.659     | 141.67   | 0.0018 | P    | 27.3 |
| 2 | <input type="checkbox"/> | 0.000     | 2.659      | 152.78   | 0.0019 | P    | 6.6  |
| 3 | <input type="checkbox"/> | 1000.000  | 1017.913   | 2052.98  | 0.0262 | P    | 2.0  |
| 4 | <input type="checkbox"/> | 2500.000  | 2513.938   | 4750.92  | 0.0621 | P    | 10.0 |
| 5 | <input type="checkbox"/> | 5000.000  | 5346.767   | 9959.19  | 0.1299 | P    | 3.3  |
| 6 | <input type="checkbox"/> | 10000.000 | 10088.409  | 18879.39 | 0.2435 | P    | 2.0  |
| 7 | <input type="checkbox"/> | 20000.000 | 19866.466  | 37838.90 | 0.4777 | P    | 4.4  |
| 8 | <input type="checkbox"/> |           |            | 175.01   | 0.0022 | P    | 22.8 |

$$y = 2.3954E-005 * x + 0.0019$$

$$R = 0.9998$$

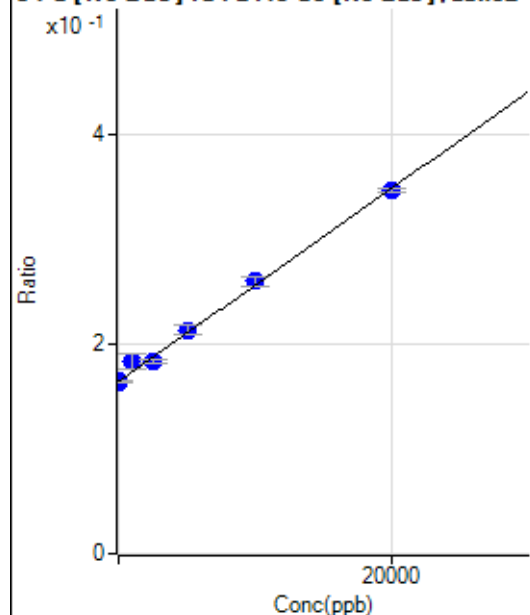
$$DL = 38.55$$

$$BEC = 77.45$$

Weight: &lt;None&gt;

Min Conc: 0

34 S [No Gas] ISTD:45 Sc [No Gas]. abno\_



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-----------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -20.953    | 393393.39 | 0.1642 | P        | 1.0 |
| 2 | <input type="checkbox"/> | 0.000     | 20.953     | 393169.96 | 0.1646 | P        | 1.8 |
| 3 | <input type="checkbox"/> | 1000.000  | 2109.223   | 418095.76 | 0.1838 | P        | 8.7 |
| 4 | <input type="checkbox"/> | 2500.000  | 2125.521   | 452039.97 | 0.1840 | P        | 2.0 |
| 5 | <input type="checkbox"/> | 5000.000  | 5361.237   | 508962.91 | 0.2138 | P        | 4.3 |
| 6 | <input type="checkbox"/> | 10000.000 | 10348.651  | 622135.53 | 0.2598 | P        | 3.2 |
| 7 | <input type="checkbox"/> | 20000.000 | 19726.714  | 869224.74 | 0.3464 | P        | 1.2 |
| 8 | <input type="checkbox"/> |           |            | 355275.81 | 0.1539 | P        | 7.6 |

$$y = 9.2254\text{E-}006 * x + 0.1644$$

$$R = 0.9978$$

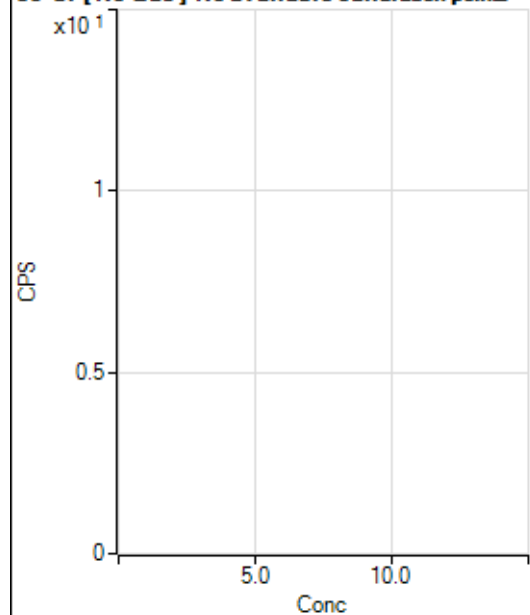
$$DL = 746.5$$

$$BEC = 1.782\text{E}+04$$

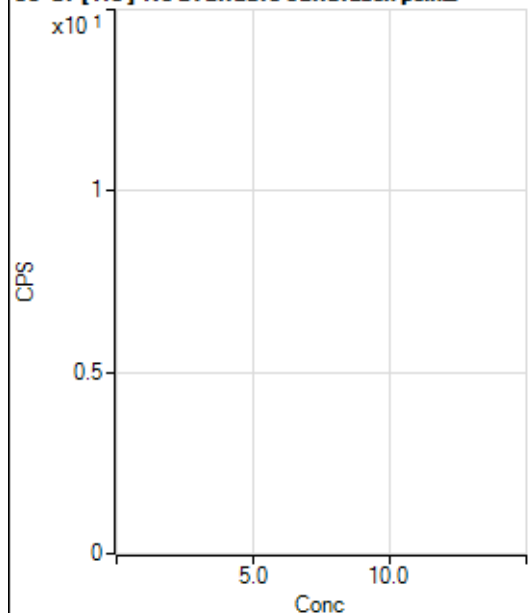
Weight: &lt;None&gt;

Min Conc: 0

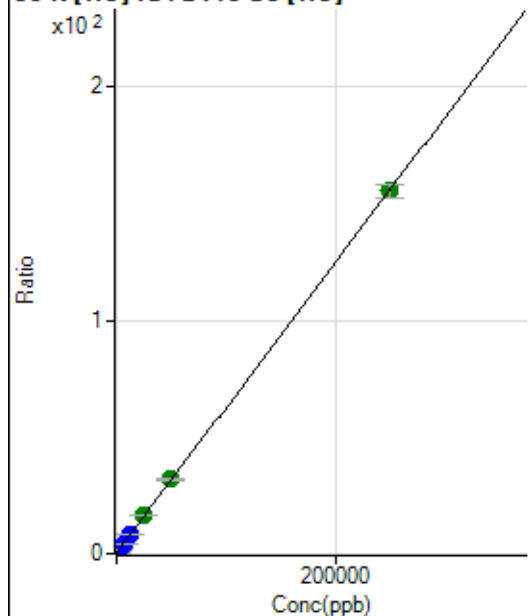
35 Cl [No Gas] No available calibration points



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 87100.61  |       | P        | 1.1 |
| 2 | <input type="checkbox"/> |       |            | 91186.93  |       | P        | 0.9 |
| 3 | <input type="checkbox"/> |       |            | 94133.02  |       | P        | 0.2 |
| 4 | <input type="checkbox"/> |       |            | 101059.81 |       | P        | 1.8 |
| 5 | <input type="checkbox"/> |       |            | 100808.58 |       | P        | 1.6 |
| 6 | <input type="checkbox"/> |       |            | 99787.01  |       | P        | 1.1 |
| 7 | <input type="checkbox"/> |       |            | 101076.92 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> |       |            | 100424.95 |       | P        | 1.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 580.58 |       | P        | 10.4 |
| 2 | <input type="checkbox"/> |       |            | 616.69 |       | P        | 15.0 |
| 3 | <input type="checkbox"/> |       |            | 550.02 |       | P        | 24.1 |
| 4 | <input type="checkbox"/> |       |            | 680.59 |       | P        | 3.9  |
| 5 | <input type="checkbox"/> |       |            | 658.37 |       | P        | 9.9  |
| 6 | <input type="checkbox"/> |       |            | 650.03 |       | P        | 16.8 |
| 7 | <input type="checkbox"/> |       |            | 655.59 |       | P        | 12.7 |
| 8 | <input type="checkbox"/> |       |            | 736.15 |       | P        | 10.5 |

**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      | 25834.78    | 0.3259   | P        | 1.8 |
| 2 | <input type="checkbox"/> | 500.000   | 501.512    | 50756.61    | 0.6374   | P        | 2.5 |
| 3 | <input type="checkbox"/> | 2500.000  | 2559.351   | 149896.43   | 1.9158   | P        | 1.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6446.274   | 331504.21   | 4.3305   | P        | 1.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 13068.631  | 647336.59   | 8.4446   | P        | 1.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 25976.711  | 1276594.99  | 16.4635  | A        | 0.6 |
| 7 | <input type="checkbox"/> | 50000.000 | 50813.938  | 2526144.26  | 31.8933  | A        | 2.9 |
| 8 | <input type="checkbox"/> | 250000.00 | 249705.60  | 12060843.06 | 155.4517 | A        | 3.5 |

$$y = 6.2123\text{E-}004 * x + 0.3259$$

$$R = 1.0000$$

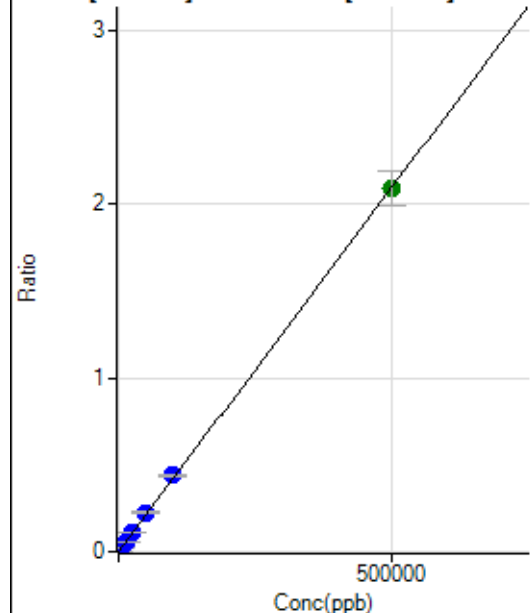
$$DL = 28.25$$

$$BEC = 524.6$$

Weight: &lt;None&gt;

Min Conc: 0



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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 112.49     | 0.0000 | P    | 10.2 |
| 2 | <input type="checkbox"/> | 500.000   | 494.820    | 5061.11    | 0.0021 | P    | 3.4  |
| 3 | <input type="checkbox"/> | 5000.000  | 5625.994   | 53680.20   | 0.0236 | P    | 8.9  |
| 4 | <input type="checkbox"/> | 12500.000 | 13145.620  | 135372.07  | 0.0551 | P    | 0.2  |
| 5 | <input type="checkbox"/> | 25000.000 | 26983.236  | 269178.44  | 0.1130 | P    | 2.5  |
| 6 | <input type="checkbox"/> | 50000.000 | 53519.446  | 536521.87  | 0.2241 | P    | 4.2  |
| 7 | <input type="checkbox"/> | 100000.00 | 104458.46  | 1097675.38 | 0.4374 | P    | 2.0  |
| 8 | <input type="checkbox"/> | 500000.00 | 498634.80  | 4816138.93 | 2.0879 | A    | 9.5  |

$$y = 4.1871\text{E-}006 * x + 4.6961\text{E-}005$$

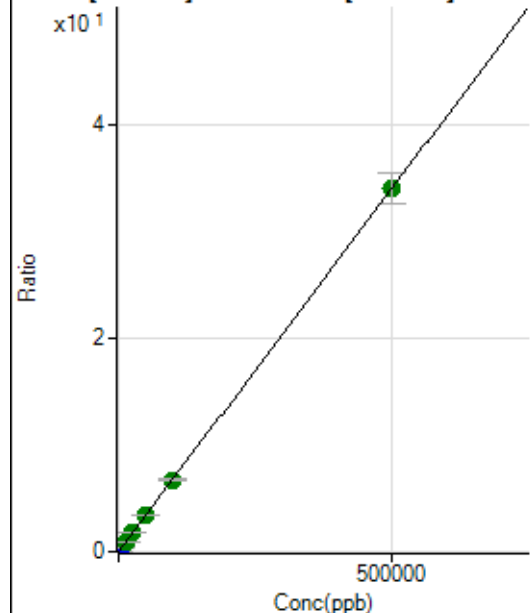
$$R = 0.9999$$

$$DL = 3.424$$

$$BEC = 11.22$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 8213.01     | 0.0034  | P    | 2.3 |
| 2 | <input type="checkbox"/> | 500.000   | 491.939    | 88066.78    | 0.0369  | P    | 2.2 |
| 3 | <input type="checkbox"/> | 5000.000  | 5433.198   | 847608.17   | 0.3727  | P    | 8.8 |
| 4 | <input type="checkbox"/> | 12500.000 | 12662.732  | 2123118.47  | 0.8641  | A    | 1.5 |
| 5 | <input type="checkbox"/> | 25000.000 | 25545.332  | 4142948.23  | 1.7397  | A    | 2.6 |
| 6 | <input type="checkbox"/> | 50000.000 | 50580.591  | 8238047.34  | 3.4413  | A    | 4.0 |
| 7 | <input type="checkbox"/> | 100000.00 | 98867.926  | 16869257.41 | 6.7232  | A    | 3.5 |
| 8 | <input type="checkbox"/> | 500000.00 | 500132.69  | 78464019.62 | 33.9961 | A    | 8.3 |

$$y = 6.7967\text{E-}005 * x + 0.0034$$

$$R = 1.0000$$

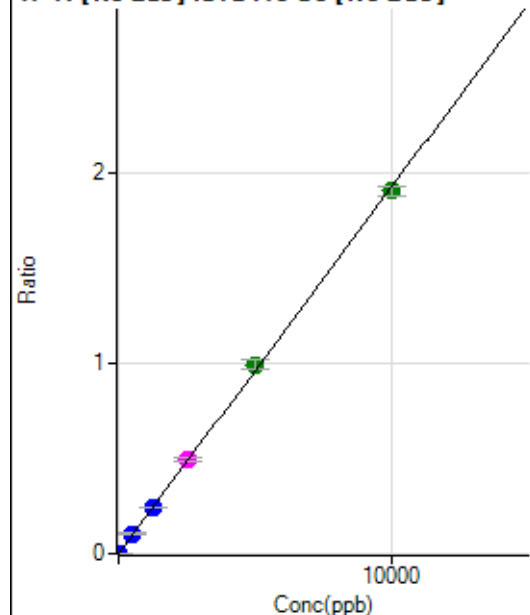
$$DL = 3.408$$

$$BEC = 50.43$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 163.89     | 0.0001 | P        | 7.7  |
| 2 | <input type="checkbox"/> | 5.000     | 5.233      | 2564.19    | 0.0011 | P        | 6.2  |
| 3 | <input type="checkbox"/> | 500.000   | 549.143    | 240042.49  | 0.1056 | P        | 8.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1269.069   | 599253.11  | 0.2439 | P        | 1.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2586.844   | 1183109.08 | 0.4970 | M        | 4.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 5148.259   | 2367095.28 | 0.9891 | A        | 4.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 9899.319   | 4772003.45 | 1.9017 | A        | 2.7  |
| 8 | <input type="checkbox"/> |           |            | 1391.78    | 0.0006 | P        | 18.3 |

$$y = 1.9210E-004 * x + 6.8396E-005$$

$$R = 0.9998$$

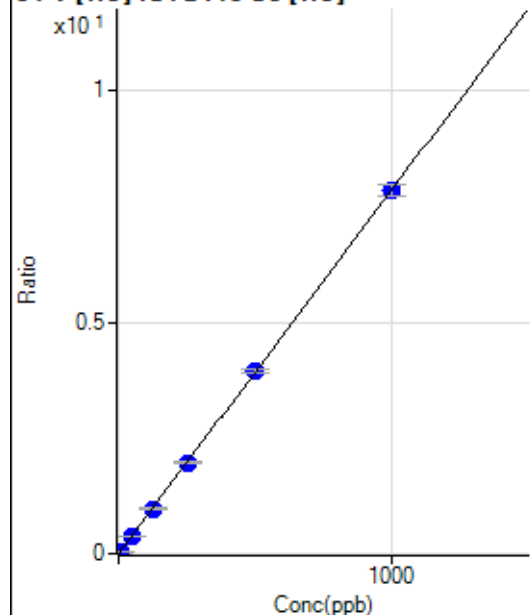
$$DL = 0.08264$$

$$BEC = 0.356$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.22      | 0.0000 | P        | 86.6 |
| 2 | <input type="checkbox"/> | 5.000    | 4.785      | 2994.79   | 0.0376 | P        | 4.5  |
| 3 | <input type="checkbox"/> | 50.000   | 49.561     | 30465.80  | 0.3894 | P        | 1.7  |
| 4 | <input type="checkbox"/> | 125.000  | 123.724    | 74414.70  | 0.9720 | P        | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 251.010    | 151182.03 | 1.9721 | P        | 2.5  |
| 6 | <input type="checkbox"/> | 500.000  | 503.045    | 306465.83 | 3.9521 | P        | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.407    | 621283.60 | 7.8439 | P        | 3.2  |
| 8 | <input type="checkbox"/> |          |            | 167.78    | 0.0022 | P        | 10.3 |

$$y = 0.0079 * x + 2.7763E-005$$

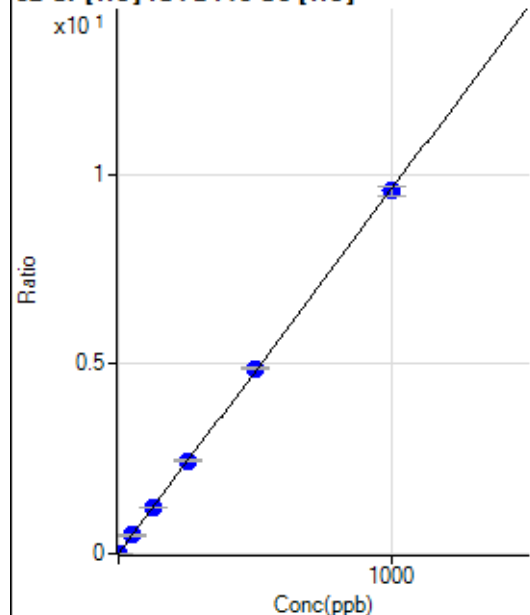
$$R = 1.0000$$

$$DL = 0.009181$$

$$BEC = 0.003534$$

Weight: &lt;None&gt;

Min Conc: 0

**52 Cr [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      | 345.56    | 0.0044 | P    | 11.1 |
| 2 | <input type="checkbox"/> | 2.000    | 1.905      | 1804.58   | 0.0227 | P    | 3.9  |
| 3 | <input type="checkbox"/> | 50.000   | 49.886     | 37834.57  | 0.4836 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 127.372    | 94003.71  | 1.2279 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 254.170    | 187518.21 | 2.4460 | P    | 2.4  |
| 6 | <input type="checkbox"/> | 500.000  | 507.111    | 378079.30 | 4.8758 | P    | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.111    | 757514.86 | 9.5637 | P    | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 6843.92   | 0.0882 | P    | 1.8  |

$$y = 0.0096 * x + 0.0044$$

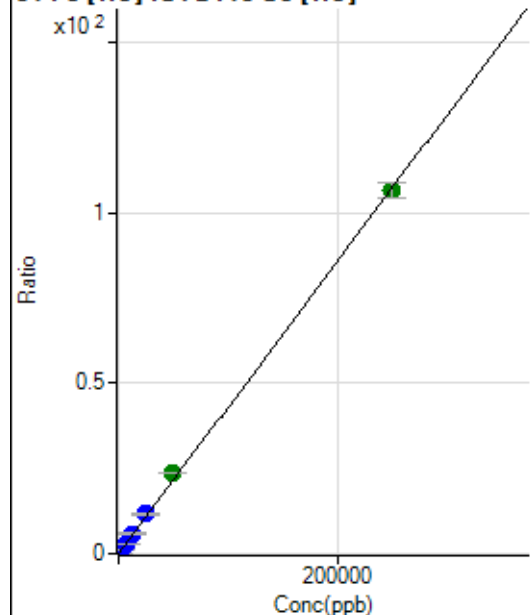
$$R = 0.9999$$

$$DL = 0.151$$

$$BEC = 0.4542$$

Weight: &lt;None&gt;

Min Conc: 0

**54 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      | 464.83     | 0.0059   | P    | 3.6 |
| 2 | <input type="checkbox"/> | 50.000    | 52.084     | 2240.95    | 0.0281   | P    | 4.2 |
| 3 | <input type="checkbox"/> | 2500.000  | 2667.205   | 89758.39   | 1.1473   | P    | 2.7 |
| 4 | <input type="checkbox"/> | 6250.000  | 6898.524   | 226444.57  | 2.9580   | P    | 1.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 13768.865  | 452174.59  | 5.8981   | P    | 1.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 27174.138  | 902269.98  | 11.6347  | P    | 2.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 55516.193  | 1882258.13 | 23.7633  | A    | 1.5 |
| 8 | <input type="checkbox"/> | 250000.00 | 248598.01  | 8254418.70 | 106.3901 | A    | 4.1 |

$$y = 4.2794E-004 * x + 0.0059$$

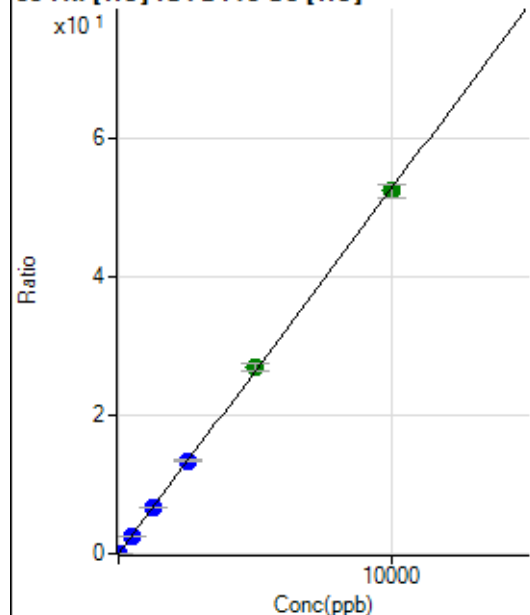
$$R = 0.9997$$

$$DL = 1.492$$

$$BEC = 13.7$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 23.33      | 0.0003  | P    | 13.0 |
| 2 | <input type="checkbox"/> | 1.000     | 0.992      | 440.01     | 0.0055  | P    | 1.9  |
| 3 | <input type="checkbox"/> | 500.000   | 489.858    | 202207.37  | 2.5845  | P    | 1.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1254.183   | 506538.53  | 6.6165  | P    | 1.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2540.404   | 1027422.65 | 13.4018 | P    | 1.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 5111.381   | 2091358.00 | 26.9646 | A    | 3.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 9934.193   | 4150829.00 | 52.4066 | A    | 4.0  |
| 8 | <input type="checkbox"/> |           |            | 4167.32    | 0.0537  | P    | 1.5  |

$$y = 0.0053 * x + 2.9394E-004$$

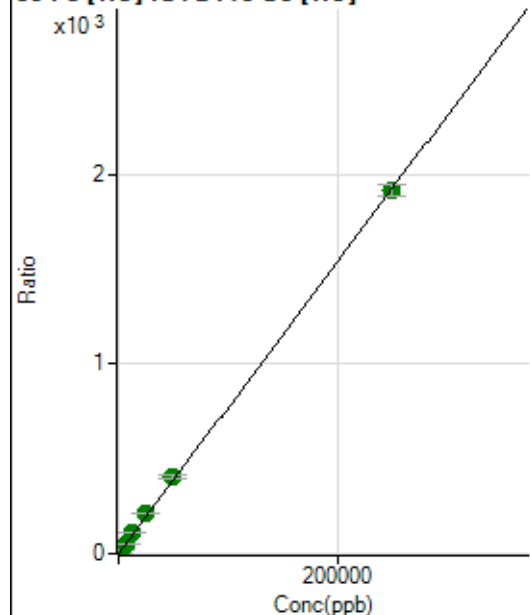
$$R = 0.9999$$

$$DL = 0.02171$$

$$BEC = 0.05572$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1785.32     | 0.0225    | P    | 4.9 |
| 2 | <input type="checkbox"/> | 50.000    | 52.410     | 33847.83    | 0.4251    | P    | 2.8 |
| 3 | <input type="checkbox"/> | 2500.000  | 2765.810   | 1664138.90  | 21.2701   | A    | 2.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6968.898   | 4100211.14  | 53.5593   | A    | 1.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 14017.017  | 8257590.52  | 107.7046  | A    | 1.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 27506.640  | 16388173.86 | 211.3352  | A    | 1.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 53062.621  | 32288671.09 | 407.6624  | A    | 4.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 249040.33  | 148479831.1 | 1,913.210 | A    | 3.2 |

$$y = 0.0077 * x + 0.0225$$

$$R = 0.9999$$

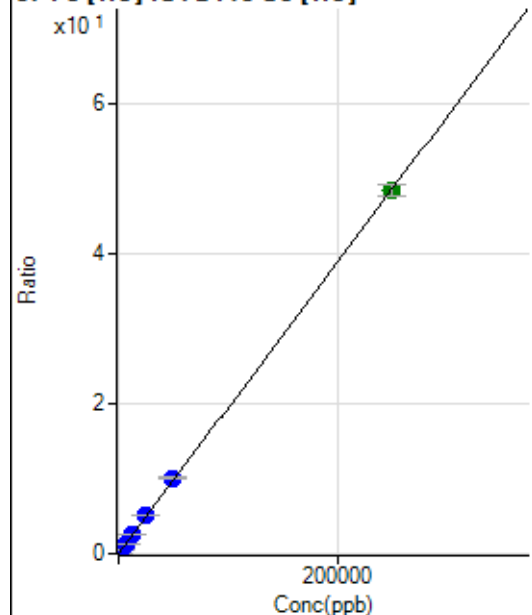
$$DL = 0.4324$$

$$BEC = 2.93$$

Weight: &lt;None&gt;

Min Conc: 0

57 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      | 187.04     | 0.0024  | P        | 24.0 |
| 2 | <input type="checkbox"/> | 50.000    | 51.212     | 977.83     | 0.0123  | P        | 11.9 |
| 3 | <input type="checkbox"/> | 2500.000  | 2636.291   | 40188.47   | 0.5137  | P        | 1.6  |
| 4 | <input type="checkbox"/> | 6250.000  | 6707.248   | 99767.16   | 1.3032  | P        | 0.8  |
| 5 | <input type="checkbox"/> | 12500.000 | 13423.053  | 199760.36  | 2.6057  | P        | 2.6  |
| 6 | <input type="checkbox"/> | 25000.000 | 26528.811  | 399161.47  | 5.1476  | P        | 1.0  |
| 7 | <input type="checkbox"/> | 50000.000 | 51794.657  | 795847.16  | 10.0478 | P        | 3.0  |
| 8 | <input type="checkbox"/> | 250000.00 | 249429.24  | 3754465.30 | 48.3786 | A        | 3.1  |

$$y = 1.9395\text{E-}004 * x + 0.0024$$

$$R = 1.0000$$

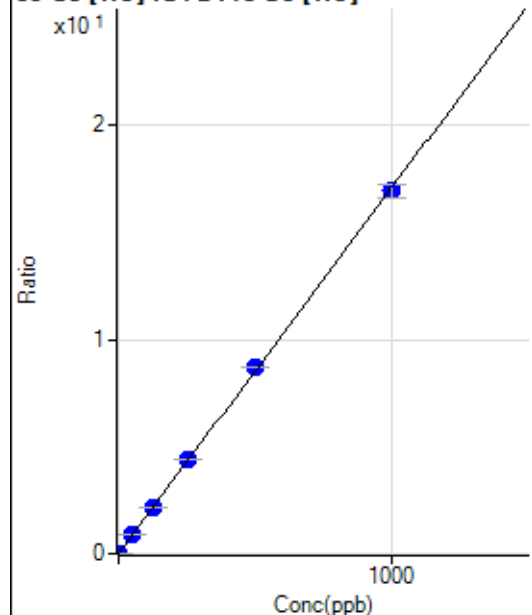
$$DL = 8.755$$

$$BEC = 12.15$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 55.55      | 0.0007  | P        | 14.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.014      | 1435.64    | 0.0180  | P        | 3.9  |
| 3 | <input type="checkbox"/> | 50.000   | 50.482     | 67535.02   | 0.8632  | P        | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 128.093    | 167585.20  | 2.1891  | P        | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 257.365    | 337130.90  | 4.3976  | P        | 1.8  |
| 6 | <input type="checkbox"/> | 500.000  | 511.028    | 676999.70  | 8.7313  | P        | 0.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.234    | 1342734.52 | 16.9525 | P        | 3.4  |
| 8 | <input type="checkbox"/> |          |            | 1133.39    | 0.0146  | P        | 6.6  |

$$y = 0.0171 * x + 7.0163\text{E-}004$$

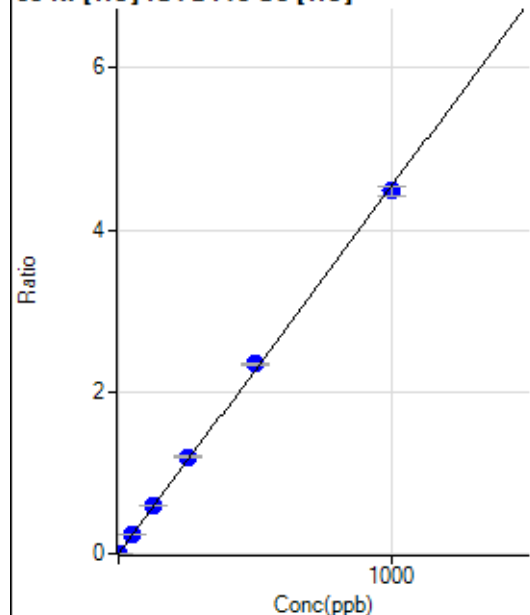
$$R = 0.9999$$

$$DL = 0.01731$$

$$BEC = 0.04107$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 45.55     | 0.0006 | P        | 7.9  |
| 2 | <input type="checkbox"/> | 1.000    | 1.095      | 441.12    | 0.0055 | P        | 13.6 |
| 3 | <input type="checkbox"/> | 50.000   | 52.140     | 18543.34  | 0.2370 | P        | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 130.499    | 45346.55  | 0.5923 | P        | 2.3  |
| 5 | <input type="checkbox"/> | 250.000  | 264.109    | 91857.89  | 1.1982 | P        | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 516.091    | 181504.55 | 2.3408 | P        | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 987.633    | 354771.99 | 4.4790 | P        | 2.7  |
| 8 | <input type="checkbox"/> |          |            | 1207.84   | 0.0156 | P        | 1.4  |

$$y = 0.0045 * x + 5.7443E-004$$

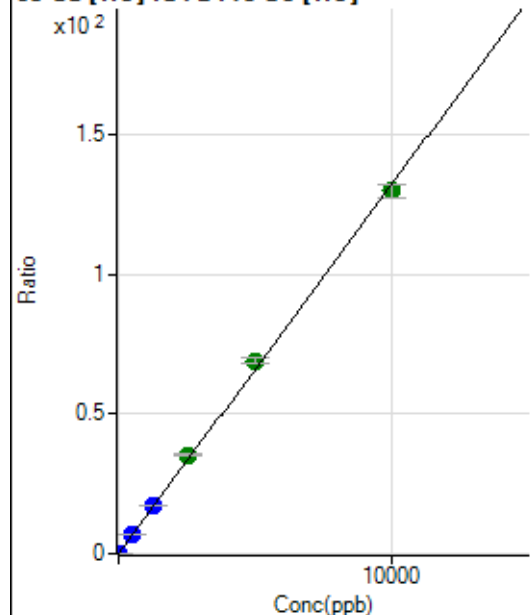
$$R = 0.9997$$

$$DL = 0.03021$$

$$BEC = 0.1267$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 345.56      | 0.0044   | P        | 7.4 |
| 2 | <input type="checkbox"/> | 2.000     | 2.040      | 2490.24     | 0.0313   | P        | 3.2 |
| 3 | <input type="checkbox"/> | 500.000   | 514.814    | 531747.37   | 6.7964   | P        | 1.6 |
| 4 | <input type="checkbox"/> | 1250.000  | 1303.384   | 1316789.66  | 17.2002  | P        | 2.1 |
| 5 | <input type="checkbox"/> | 2500.000  | 2682.456   | 2713566.17  | 35.3946  | A        | 1.6 |
| 6 | <input type="checkbox"/> | 5000.000  | 5226.821   | 5346057.98  | 68.9629  | A        | 2.7 |
| 7 | <input type="checkbox"/> | 10000.000 | 9833.562   | 10276283.60 | 129.7406 | A        | 3.5 |
| 8 | <input type="checkbox"/> |           |            | 2792.53     | 0.0360   | P        | 1.3 |

$$y = 0.0132 * x + 0.0044$$

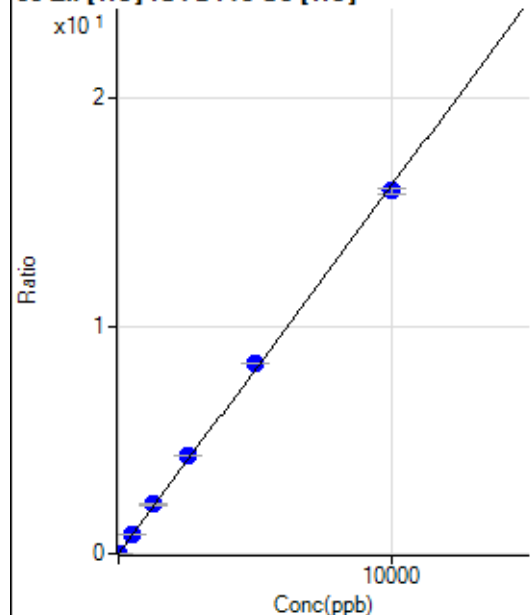
$$R = 0.9994$$

$$DL = 0.0729$$

$$BEC = 0.3304$$

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      | 95.55      | 0.0012  | P        | 6.8 |
| 2 | <input type="checkbox"/> | 2.000     | 2.470      | 413.34     | 0.0052  | P        | 7.1 |
| 3 | <input type="checkbox"/> | 500.000   | 520.925    | 65907.92   | 0.8424  | P        | 2.1 |
| 4 | <input type="checkbox"/> | 1250.000  | 1348.192   | 166760.09  | 2.1783  | P        | 2.7 |
| 5 | <input type="checkbox"/> | 2500.000  | 2667.513   | 330339.25  | 4.3087  | P        | 1.5 |
| 6 | <input type="checkbox"/> | 5000.000  | 5169.972   | 647411.87  | 8.3497  | P        | 0.1 |
| 7 | <input type="checkbox"/> | 10000.000 | 9859.815   | 1261206.12 | 15.9228 | P        | 1.6 |
| 8 | <input type="checkbox"/> |           |            | 1205.62    | 0.0155  | P        | 2.9 |

$$y = 0.0016 * x + 0.0012$$

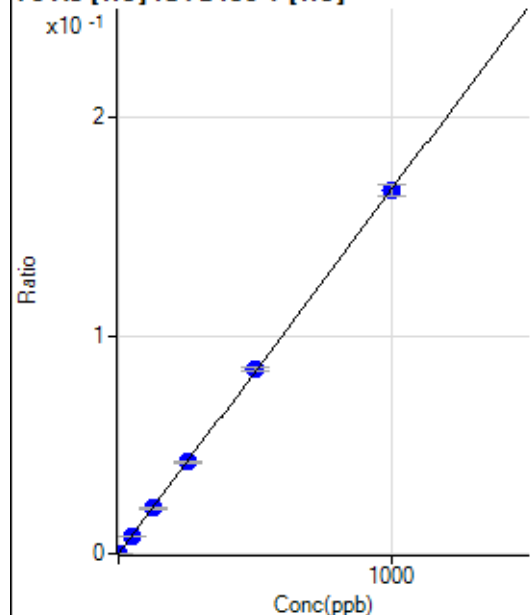
$$R = 0.9996$$

$$DL = 0.1512$$

$$BEC = 0.7462$$

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      | 3.00     | 0.0000 | P        | 88.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.045      | 90.01    | 0.0002 | P        | 13.9 |
| 3 | <input type="checkbox"/> | 50.000   | 49.052     | 4020.65  | 0.0082 | P        | 3.8  |
| 4 | <input type="checkbox"/> | 125.000  | 124.742    | 10133.66 | 0.0208 | P        | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 252.523    | 20366.01 | 0.0422 | P        | 2.4  |
| 6 | <input type="checkbox"/> | 500.000  | 506.182    | 41394.11 | 0.0846 | P        | 1.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.358    | 81985.20 | 0.1664 | P        | 3.1  |
| 8 | <input type="checkbox"/> |          |            | 26.00    | 0.0001 | P        | 5.6  |

$$y = 1.6704E-004 * x + 6.0985E-006$$

$$R = 1.0000$$

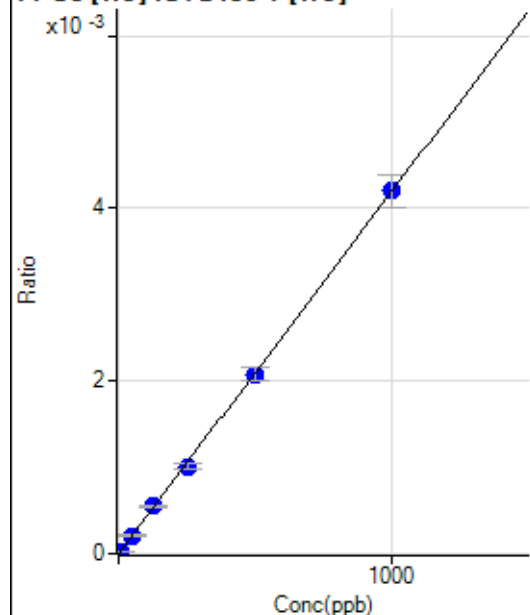
$$DL = 0.0964$$

$$BEC = 0.03651$$

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    | 6.368      | 13.33   | 0.0000 | P    | 42.1 |
| 3 | <input type="checkbox"/> | 50.000   | 49.755     | 102.22  | 0.0002 | P    | 12.1 |
| 4 | <input type="checkbox"/> | 125.000  | 132.013    | 268.89  | 0.0006 | P    | 2.7  |
| 5 | <input type="checkbox"/> | 250.000  | 241.801    | 488.90  | 0.0010 | P    | 7.5  |
| 6 | <input type="checkbox"/> | 500.000  | 496.492    | 1017.83 | 0.0021 | P    | 7.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.933   | 2069.06 | 0.0042 | P    | 9.0  |
| 8 | <input type="checkbox"/> |          |            | 1.11    | 0.0000 | P    | 173. |

$$y = 4.1884\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

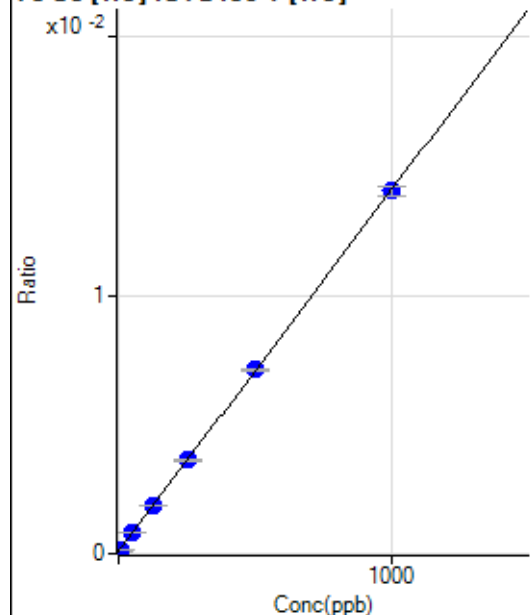
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS     | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|---------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 45.00   | 0.0001 | P    | 6.6  |
| 2 | <input type="checkbox"/> | 5.000    | 3.060      | 67.01   | 0.0001 | P    | 4.9  |
| 3 | <input type="checkbox"/> | 50.000   | 52.389     | 404.05  | 0.0008 | P    | 6.3  |
| 4 | <input type="checkbox"/> | 125.000  | 128.485    | 917.46  | 0.0019 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 252.883    | 1749.95 | 0.0036 | P    | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 502.496    | 3481.78 | 0.0071 | P    | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.486    | 6910.73 | 0.0140 | P    | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 38.33   | 0.0001 | P    | 19.0 |

$$y = 1.3972\text{E-}005 * x + 9.1653\text{E-}005$$

$$R = 1.0000$$

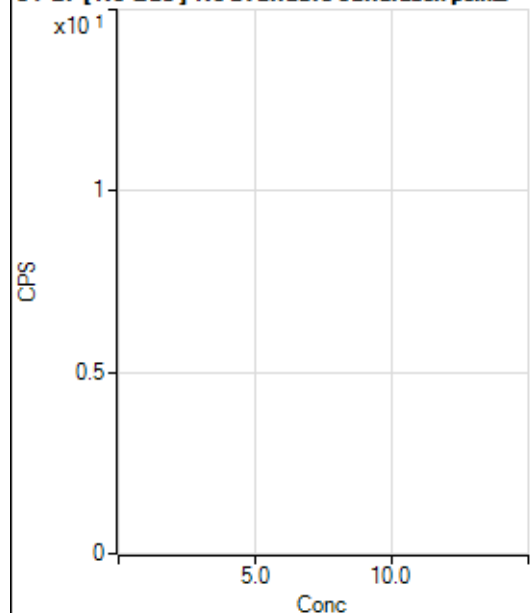
$$DL = 1.308$$

$$BEC = 6.56$$

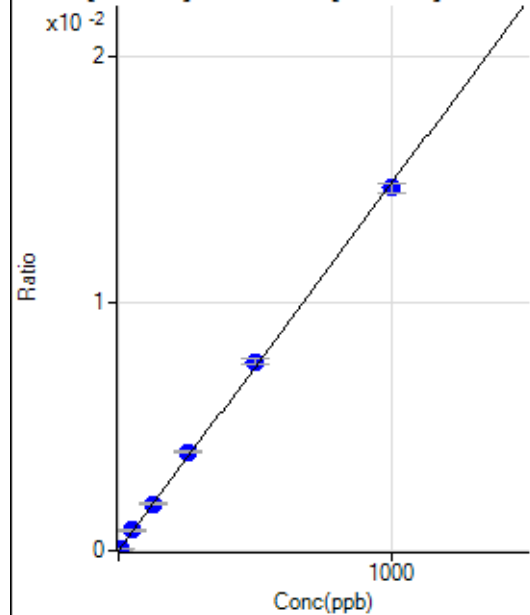
Weight: &lt;None&gt;

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"/> |       |            | 36468.55 |       | P        | 3.2 |
| 2 | <input type="checkbox"/> |       |            | 36277.88 |       | P        | 4.2 |
| 3 | <input type="checkbox"/> |       |            | 35632.27 |       | P        | 3.2 |
| 4 | <input type="checkbox"/> |       |            | 36067.21 |       | P        | 2.7 |
| 5 | <input type="checkbox"/> |       |            | 35899.74 |       | P        | 0.3 |
| 6 | <input type="checkbox"/> |       |            | 35993.91 |       | P        | 6.2 |
| 7 | <input type="checkbox"/> |       |            | 35200.57 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> |       |            | 35305.04 |       | P        | 2.1 |

**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      | 23.75    | 0.0000 | P        | 165. |
| 2 | <input type="checkbox"/> | 5.000    | 4.887      | 339.55   | 0.0001 | P        | 6.5  |
| 3 | <input type="checkbox"/> | 50.000   | 55.390     | 3453.83  | 0.0008 | P        | 10.9 |
| 4 | <input type="checkbox"/> | 125.000  | 126.085    | 8410.79  | 0.0019 | P        | 3.2  |
| 5 | <input type="checkbox"/> | 250.000  | 267.641    | 17118.17 | 0.0040 | P        | 2.6  |
| 6 | <input type="checkbox"/> | 500.000  | 515.086    | 33747.56 | 0.0076 | P        | 3.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 987.642    | 67804.31 | 0.0147 | P        | 2.4  |
| 8 | <input type="checkbox"/> |          |            | 116.66   | 0.0000 | P        | 23.0 |

$$y = 1.4839E-005 * x + 5.3889E-006$$

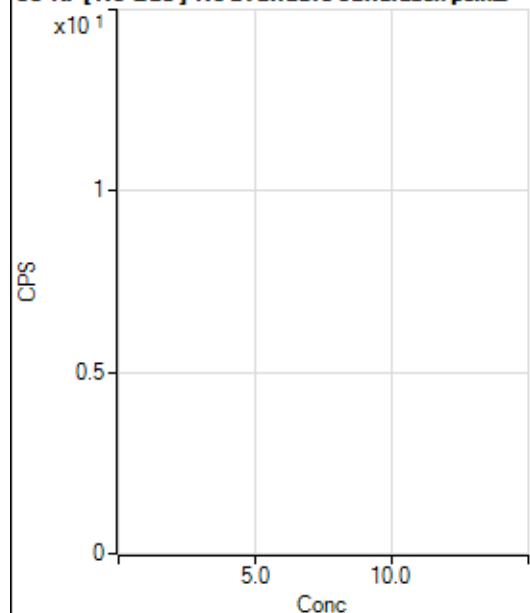
$$R = 0.9996$$

$$DL = 1.801$$

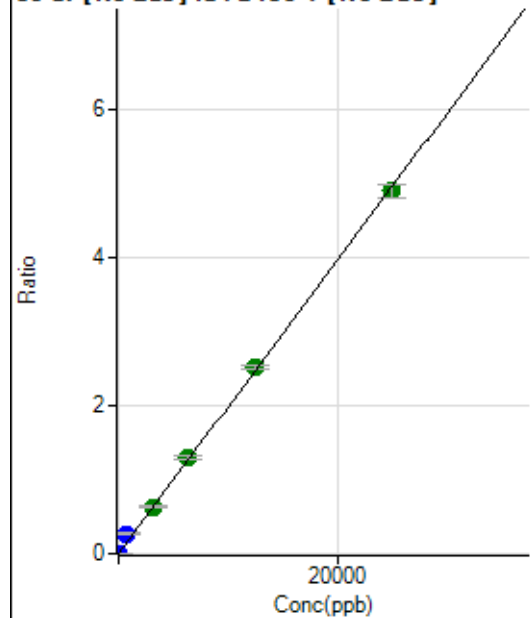
$$BEC = 0.3631$$

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"/> |       |            | 253.31 |       | P        | 11.9 |
| 2 | <input type="checkbox"/> |       |            | 242.89 |       | P        | 6.6  |
| 3 | <input type="checkbox"/> |       |            | 282.47 |       | P        | 6.9  |
| 4 | <input type="checkbox"/> |       |            | 246.22 |       | P        | 2.7  |
| 5 | <input type="checkbox"/> |       |            | 254.55 |       | P        | 4.6  |
| 6 | <input type="checkbox"/> |       |            | 247.05 |       | P        | 10.9 |
| 7 | <input type="checkbox"/> |       |            | 269.97 |       | P        | 4.0  |
| 8 | <input type="checkbox"/> |       |            | 259.97 |       | P        | 3.6  |

**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      | 488.91      | 0.0001 | P        | 11.3 |
| 2 | <input type="checkbox"/> | 1.000     | 1.018      | 1361.22     | 0.0003 | P        | 8.2  |
| 3 | <input type="checkbox"/> | 625.000   | 1347.981   | 1111142.60  | 0.2664 | P        | 11.8 |
| 4 | <input type="checkbox"/> | 3125.000  | 3200.041   | 2834698.96  | 0.6323 | A        | 2.4  |
| 5 | <input type="checkbox"/> | 6250.000  | 6610.568   | 5620787.63  | 1.3060 | A        | 4.4  |
| 6 | <input type="checkbox"/> | 12500.000 | 12741.399  | 11110012.31 | 2.5171 | A        | 1.8  |
| 7 | <input type="checkbox"/> | 25000.000 | 24761.704  | 22620650.68 | 4.8917 | A        | 3.6  |
| 8 | <input type="checkbox"/> |           |            | 8191.56     | 0.0019 | P        | 18.2 |

$$y = 1.9755E-004 * x + 1.1127E-004$$

$$R = 0.9995$$

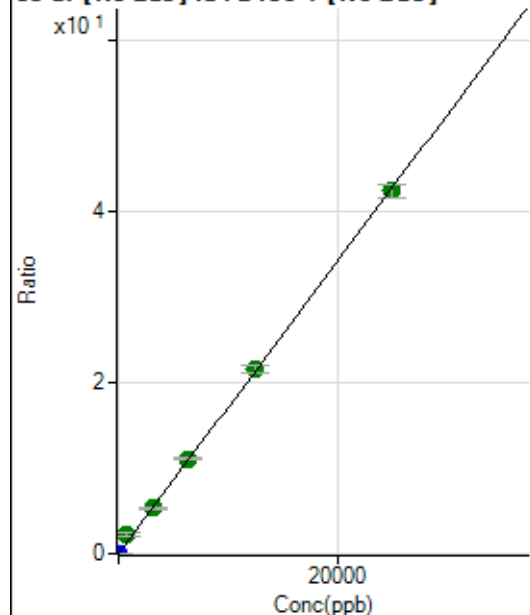
$$DL = 0.1905$$

$$BEC = 0.5632$$

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      | 91.67       | 0.0000  | P    | 24.6 |
| 2 | <input type="checkbox"/> | 1.000     | 1.032      | 7757.91     | 0.0018  | P    | 0.8  |
| 3 | <input type="checkbox"/> | 625.000   | 1320.975   | 9400752.04  | 2.2520  | A    | 10.6 |
| 4 | <input type="checkbox"/> | 3125.000  | 3115.146   | 23817491.16 | 5.3107  | A    | 1.7  |
| 5 | <input type="checkbox"/> | 6250.000  | 6477.466   | 47537528.84 | 11.0428 | A    | 2.3  |
| 6 | <input type="checkbox"/> | 12500.000 | 12648.784  | 95140203.52 | 21.5636 | A    | 4.5  |
| 7 | <input type="checkbox"/> | 25000.000 | 24852.574  | 195911537.7 | 42.3686 | A    | 3.7  |
| 8 | <input type="checkbox"/> |           |            | 68251.25    | 0.0159  | P    | 17.1 |

$$y = 0.0017 * x + 2.0884E-005$$

$$R = 0.9996$$

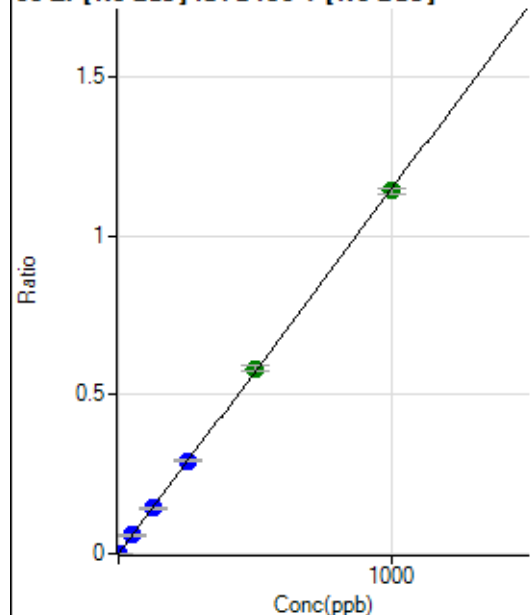
$$DL = 0.009024$$

$$BEC = 0.01225$$

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      | 180.56     | 0.0000 | P    | 21.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.938      | 4873.20    | 0.0011 | P    | 8.8  |
| 3 | <input type="checkbox"/> | 50.000   | 52.231     | 250617.42  | 0.0601 | P    | 11.2 |
| 4 | <input type="checkbox"/> | 125.000  | 126.035    | 649310.20  | 0.1449 | P    | 3.7  |
| 5 | <input type="checkbox"/> | 250.000  | 255.069    | 1261855.54 | 0.2932 | P    | 2.5  |
| 6 | <input type="checkbox"/> | 500.000  | 507.049    | 2571723.39 | 0.5827 | A    | 2.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.967    | 5288761.06 | 1.1434 | A    | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 1811.29    | 0.0004 | P    | 13.6 |

$$y = 0.0011 * x + 4.1108E-005$$

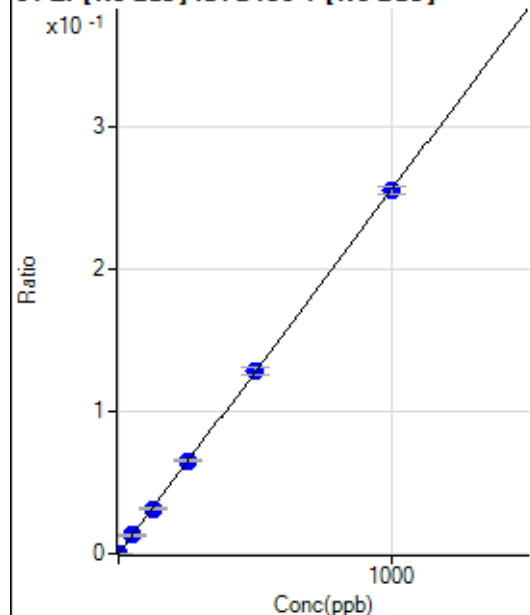
$$R = 0.9999$$

$$DL = 0.02263$$

$$BEC = 0.03577$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 41.67      | 0.0000 | P    | 35.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.899      | 1041.74    | 0.0002 | P    | 8.2  |
| 3 | <input type="checkbox"/> | 50.000   | 52.578     | 56082.70   | 0.0134 | P    | 9.6  |
| 4 | <input type="checkbox"/> | 125.000  | 123.671    | 141457.48  | 0.0316 | P    | 5.0  |
| 5 | <input type="checkbox"/> | 250.000  | 255.474    | 280687.47  | 0.0652 | P    | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 503.023    | 566324.10  | 0.1284 | P    | 4.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.157    | 1176867.51 | 0.2545 | P    | 2.0  |
| 8 | <input type="checkbox"/> |          |            | 383.35     | 0.0001 | P    | 16.4 |

$$y = 2.5518\text{E-}004 * x + 9.4953\text{E-}006$$

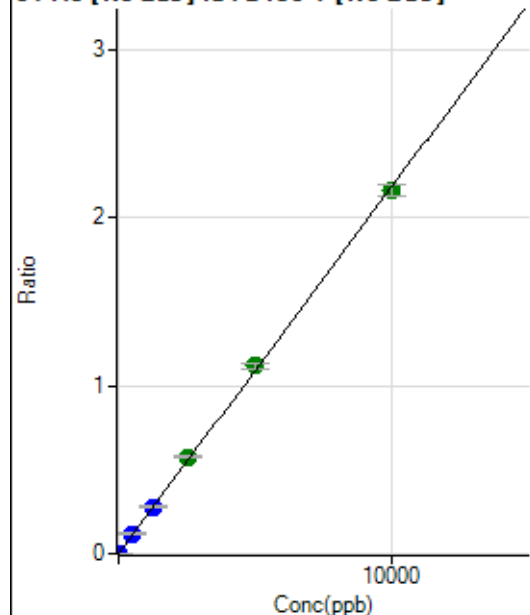
$$R = 1.0000$$

$$DL = 0.03911$$

$$BEC = 0.03721$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 100.00     | 0.0000 | P    | 49.5 |
| 2 | <input type="checkbox"/> | 5.000     | 6.234      | 6026.47    | 0.0014 | P    | 8.9  |
| 3 | <input type="checkbox"/> | 500.000   | 538.284    | 490430.90  | 0.1176 | P    | 12.1 |
| 4 | <input type="checkbox"/> | 1250.000  | 1283.375   | 1256860.65 | 0.2804 | P    | 2.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2646.641   | 2489041.85 | 0.5782 | A    | 2.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 5120.020   | 4936080.75 | 1.1185 | A    | 3.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 9897.243   | 9998409.25 | 2.1621 | A    | 3.1  |
| 8 | <input type="checkbox"/> |           |            | 3995.14    | 0.0009 | P    | 21.0 |

$$y = 2.1845\text{E-}004 * x + 2.2716\text{E-}005$$

$$R = 0.9998$$

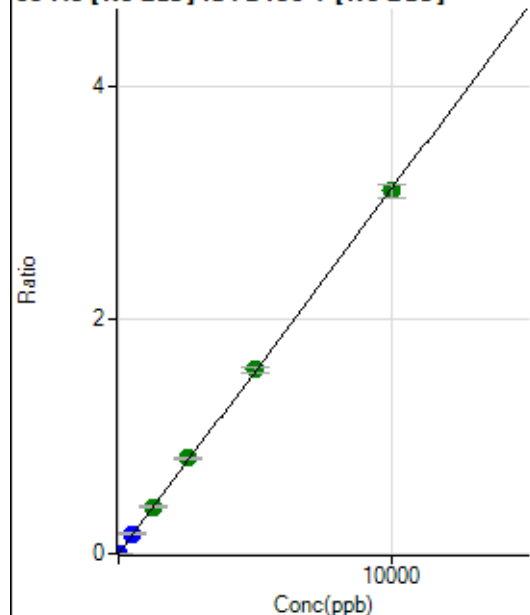
$$DL = 0.1544$$

$$BEC = 0.104$$

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      | 27.78       | 0.0000 | P    | 17.8 |
| 2 | <input type="checkbox"/> | 5.000     | 5.184      | 7065.87     | 0.0016 | P    | 3.1  |
| 3 | <input type="checkbox"/> | 500.000   | 539.235    | 701230.74   | 0.1680 | P    | 11.1 |
| 4 | <input type="checkbox"/> | 1250.000  | 1271.082   | 1775491.83  | 0.3961 | A    | 3.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2615.360   | 3508562.06  | 0.8150 | A    | 2.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 5038.438   | 6928961.44  | 1.5701 | A    | 3.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 9947.344   | 14333706.74 | 3.0999 | A    | 3.5  |
| 8 | <input type="checkbox"/> |           |            | 5415.11     | 0.0013 | P    | 18.6 |

$$y = 3.1163\text{E-}004 * x + 6.3255\text{E-}006$$

$$R = 0.9999$$

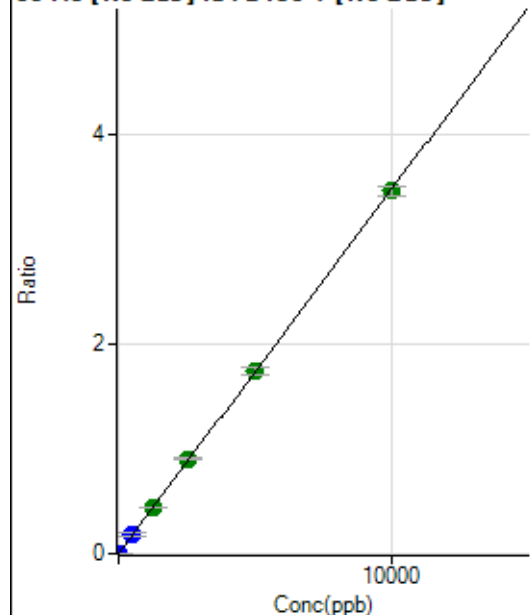
$$DL = 0.01086$$

$$BEC = 0.0203$$

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      | 63.89       | 0.0000 | P    | 49.9 |
| 2 | <input type="checkbox"/> | 5.000     | 5.393      | 8224.86     | 0.0019 | P    | 1.1  |
| 3 | <input type="checkbox"/> | 500.000   | 530.194    | 768770.14   | 0.1842 | P    | 10.9 |
| 4 | <input type="checkbox"/> | 1250.000  | 1260.167   | 1963023.20  | 0.4378 | A    | 1.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2592.678   | 3877281.12  | 0.9007 | A    | 2.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 5028.770   | 7706798.52  | 1.7470 | A    | 4.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 9959.665   | 16000213.38 | 3.4600 | A    | 2.7  |
| 8 | <input type="checkbox"/> |           |            | 10554.36    | 0.0025 | P    | 21.1 |

$$y = 3.4740\text{E-}004 * x + 1.4562\text{E-}005$$

$$R = 0.9999$$

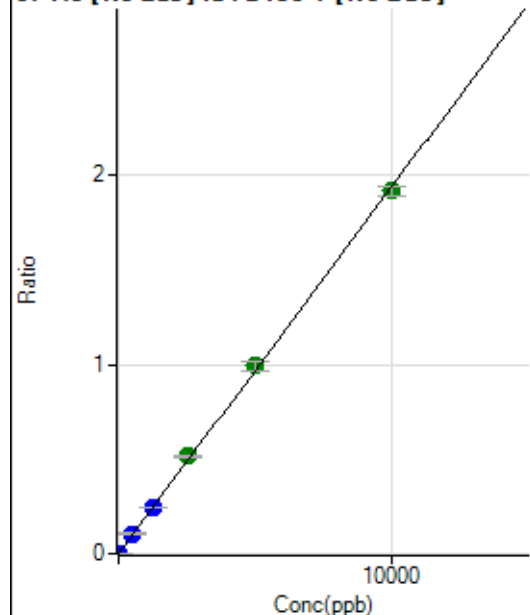
$$DL = 0.06275$$

$$BEC = 0.04192$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 16.67      | 0.0000 | P    | 0.6  |
| 2 | <input type="checkbox"/> | 5.000     | 5.274      | 4464.75    | 0.0010 | P    | 6.0  |
| 3 | <input type="checkbox"/> | 500.000   | 537.376    | 434279.29  | 0.1041 | P    | 11.0 |
| 4 | <input type="checkbox"/> | 1250.000  | 1270.744   | 1103463.75 | 0.2461 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2655.624   | 2213754.67 | 0.5143 | A    | 2.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 5117.400   | 4371494.59 | 0.9910 | A    | 4.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 9897.932   | 8864077.98 | 1.9167 | A    | 2.4  |
| 8 | <input type="checkbox"/> |           |            | 3392.20    | 0.0008 | P    | 23.6 |

$$y = 1.9364\text{E-}004 * x + 3.7941\text{E-}006$$

$$R = 0.9998$$

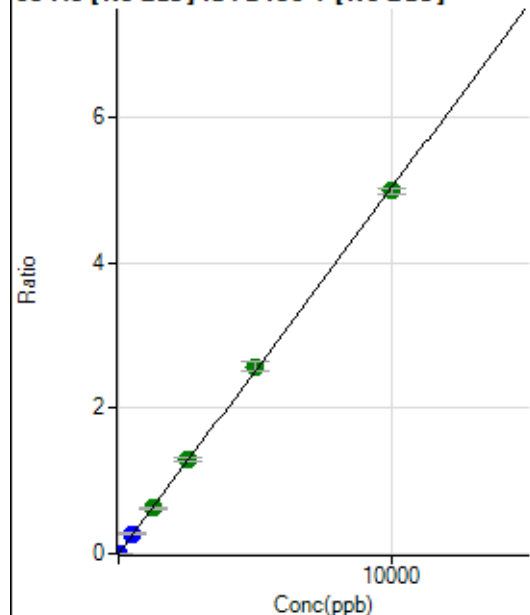
$$DL = 0.0003519$$

$$BEC = 0.01959$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 11.11       | 0.0000 | P    | 42.7 |
| 2 | <input type="checkbox"/> | 5.000     | 5.215      | 11443.96    | 0.0026 | P    | 4.3  |
| 3 | <input type="checkbox"/> | 500.000   | 531.137    | 1115538.51  | 0.2674 | P    | 11.7 |
| 4 | <input type="checkbox"/> | 1250.000  | 1255.791   | 2834270.55  | 0.6323 | A    | 3.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2587.348   | 5606163.80  | 1.3028 | A    | 3.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 5114.794   | 11361784.19 | 2.5754 | A    | 4.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 9918.485   | 23104318.92 | 4.9942 | A    | 1.3  |
| 8 | <input type="checkbox"/> |           |            | 8989.26     | 0.0021 | P    | 16.9 |

$$y = 5.0352\text{E-}004 * x + 2.5246\text{E-}006$$

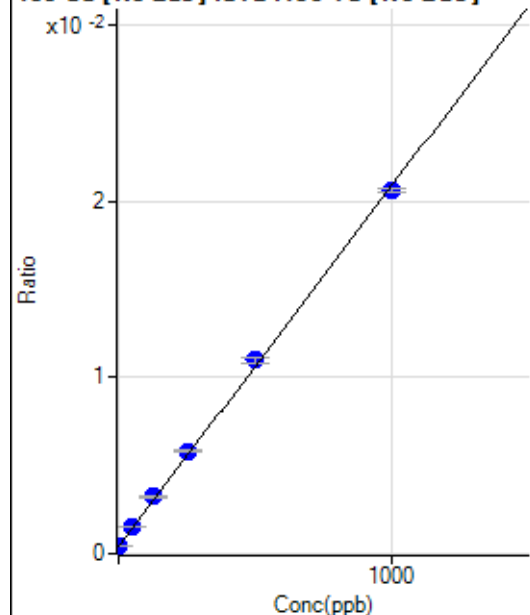
$$R = 0.9999$$

$$DL = 0.006427$$

$$BEC = 0.005014$$

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. | RSD |
|---|--------------------------|----------|------------|----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1727.93  | 0.0004 | P    | 9.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.757      | 1861.29  | 0.0005 | P    | 5.3 |
| 3 | <input type="checkbox"/> | 50.000   | 53.043     | 5831.95  | 0.0015 | P    | 4.5 |
| 4 | <input type="checkbox"/> | 125.000  | 136.877    | 13326.33 | 0.0032 | P    | 3.5 |
| 5 | <input type="checkbox"/> | 250.000  | 263.549    | 23815.50 | 0.0058 | P    | 1.3 |
| 6 | <input type="checkbox"/> | 500.000  | 516.224    | 45021.55 | 0.0110 | P    | 2.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 986.863    | 88802.83 | 0.0206 | P    | 1.2 |
| 8 | <input type="checkbox"/> |          |            | 1741.83  | 0.0004 | P    | 9.3 |

$$y = 2.0428\text{E-}005 * x + 4.2559\text{E-}004$$

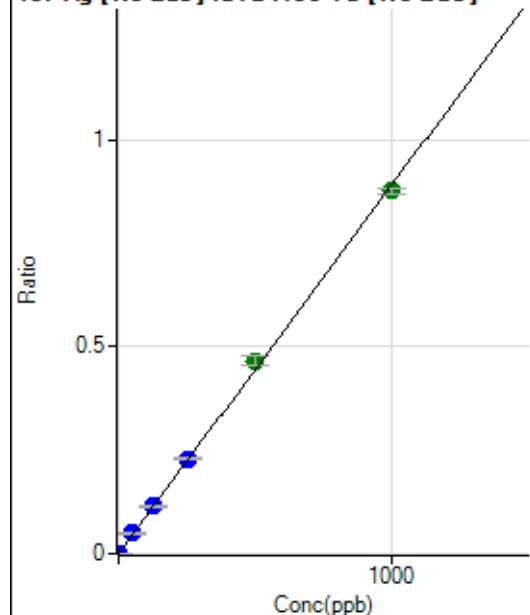
$$R = 0.9997$$

$$DL = 5.807$$

$$BEC = 20.83$$

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. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 47.22      | 0.0000 | P    | 7.9  |
| 2 | <input type="checkbox"/> | 1.000    | 1.070      | 3889.54    | 0.0010 | P    | 4.9  |
| 3 | <input type="checkbox"/> | 50.000   | 54.812     | 187797.03  | 0.0488 | P    | 11.0 |
| 4 | <input type="checkbox"/> | 125.000  | 129.164    | 475975.73  | 0.1150 | P    | 2.3  |
| 5 | <input type="checkbox"/> | 250.000  | 257.675    | 940851.20  | 0.2295 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 524.531    | 1916522.26 | 0.4672 | A    | 4.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 985.055    | 3784775.00 | 0.8773 | A    | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 1944.63    | 0.0005 | P    | 12.1 |

$$y = 8.9060\text{E-}004 * x + 1.1603\text{E-}005$$

$$R = 0.9995$$

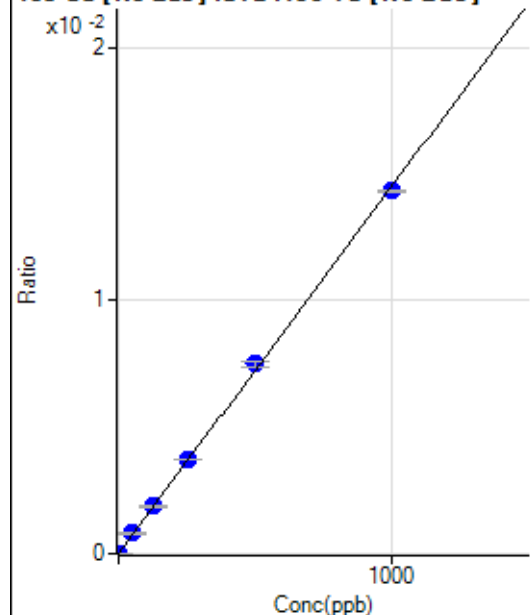
$$DL = 0.003092$$

$$BEC = 0.01303$$

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. | RSD  |
|---|--------------------------|----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 12.50    | 0.0000 | P    | 68.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.711      | 54.17    | 0.0000 | P    | 19.2 |
| 3 | <input type="checkbox"/> | 50.000   | 55.245     | 3092.06  | 0.0008 | P    | 11.7 |
| 4 | <input type="checkbox"/> | 125.000  | 128.504    | 7720.30  | 0.0019 | P    | 3.9  |
| 5 | <input type="checkbox"/> | 250.000  | 256.923    | 15280.85 | 0.0037 | P    | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 517.702    | 30810.97 | 0.0075 | P    | 3.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 988.718    | 61851.99 | 0.0143 | P    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 34.72    | 0.0000 | P    | 39.6 |

$$y = 1.4498\text{E-}005 * x + 3.1028\text{E-}006$$

$$R = 0.9997$$

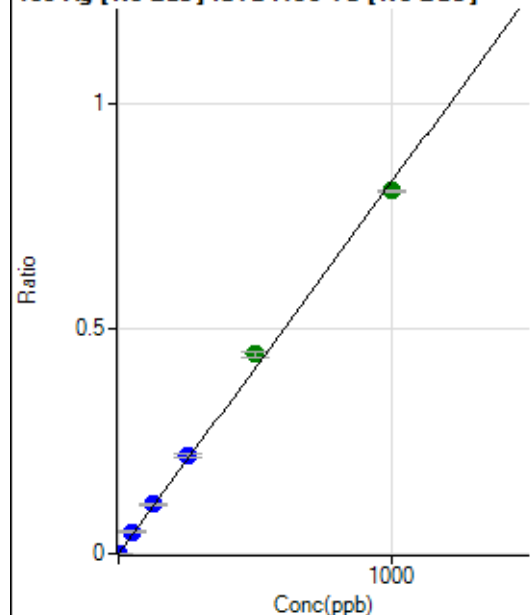
$$DL = 0.4405$$

$$BEC = 0.214$$

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. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.00      | 0.0000 | P    | 68.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.099      | 3692.26    | 0.0009 | P    | 9.9  |
| 3 | <input type="checkbox"/> | 50.000   | 57.466     | 182652.78  | 0.0475 | P    | 10.1 |
| 4 | <input type="checkbox"/> | 125.000  | 132.891    | 453947.25  | 0.1097 | P    | 3.1  |
| 5 | <input type="checkbox"/> | 250.000  | 263.792    | 892982.44  | 0.2178 | P    | 2.5  |
| 6 | <input type="checkbox"/> | 500.000  | 537.159    | 1820126.69 | 0.4435 | A    | 2.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 976.613    | 3478854.72 | 0.8064 | A    | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 1875.17    | 0.0005 | P    | 14.6 |

$$y = 8.2570\text{E-}004 * x + 6.2056\text{E-}006$$

$$R = 0.9988$$

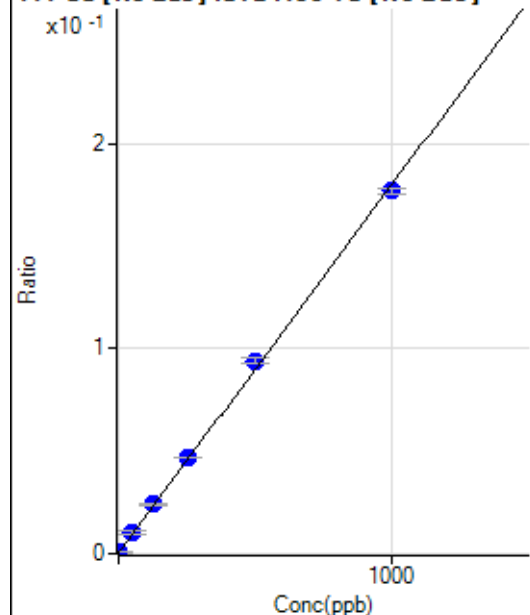
$$DL = 0.01548$$

$$BEC = 0.007515$$

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      | 1207.75   | 0.0003 | P    | 8.9  |
| 2 | <input type="checkbox"/> | 1.000    | 1.152      | 2034.46   | 0.0005 | P    | 3.5  |
| 3 | <input type="checkbox"/> | 50.000   | 55.586     | 39566.71  | 0.0103 | P    | 10.5 |
| 4 | <input type="checkbox"/> | 125.000  | 132.596    | 99762.92  | 0.0241 | P    | 3.1  |
| 5 | <input type="checkbox"/> | 250.000  | 260.899    | 193345.59 | 0.0472 | P    | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 523.278    | 386956.18 | 0.0943 | P    | 2.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 984.407    | 764082.81 | 0.1771 | P    | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 1496.37   | 0.0004 | P    | 6.8  |

$$y = 1.7963\text{E-}004 * x + 2.9745\text{E-}004$$

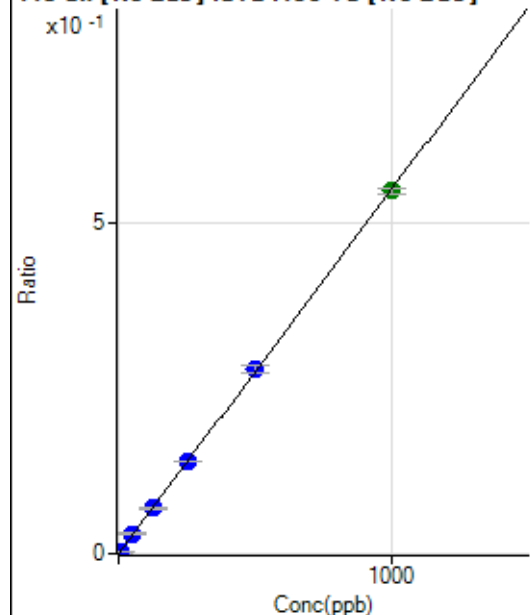
$$R = 0.9995$$

$$DL = 0.4414$$

$$BEC = 1.656$$

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      | 286.13     | 0.0001 | P    | 22.0 |
| 2 | <input type="checkbox"/> | 5.000    | 5.080      | 11535.71   | 0.0029 | P    | 2.6  |
| 3 | <input type="checkbox"/> | 50.000   | 53.478     | 113108.00  | 0.0294 | P    | 12.0 |
| 4 | <input type="checkbox"/> | 125.000  | 125.240    | 284665.28  | 0.0688 | P    | 4.2  |
| 5 | <input type="checkbox"/> | 250.000  | 253.309    | 570435.10  | 0.1391 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 505.459    | 1138763.15 | 0.2776 | P    | 3.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.239    | 2359526.72 | 0.5470 | A    | 1.9  |
| 8 | <input type="checkbox"/> |          |            | 2786.48    | 0.0007 | P    | 14.1 |

$$y = 5.4898\text{E-}004 * x + 7.0448\text{E-}005$$

$$R = 1.0000$$

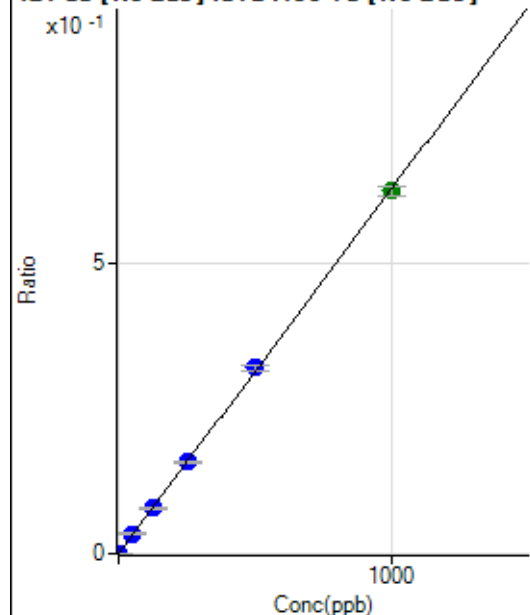
$$DL = 0.08452$$

$$BEC = 0.1283$$

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      | 22.22      | 0.0000 | P    | 58.9 |
| 2 | <input type="checkbox"/> | 2.000    | 2.044      | 5215.02    | 0.0013 | P    | 3.8  |
| 3 | <input type="checkbox"/> | 50.000   | 53.916     | 130566.71  | 0.0340 | P    | 11.6 |
| 4 | <input type="checkbox"/> | 125.000  | 125.138    | 325995.58  | 0.0788 | P    | 4.2  |
| 5 | <input type="checkbox"/> | 250.000  | 251.923    | 650364.76  | 0.1587 | P    | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 509.287    | 1316150.61 | 0.3207 | P    | 3.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.663    | 2702224.21 | 0.6264 | A    | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 1936.30    | 0.0005 | P    | 11.4 |

$$y = 6.2979\text{E-}004 * x + 5.5122\text{E-}006$$

$$R = 0.9999$$

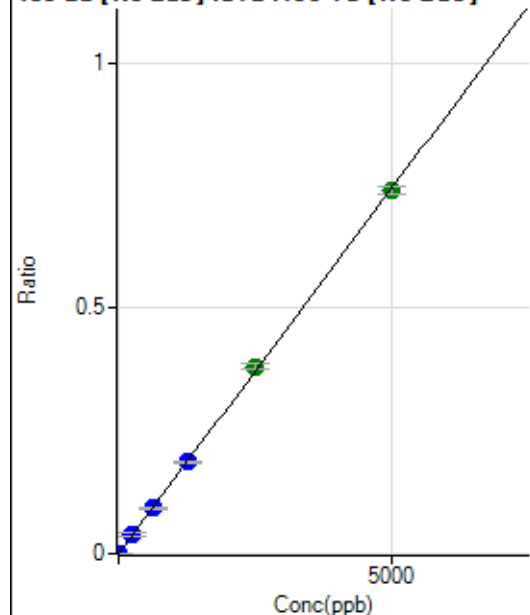
$$DL = 0.01548$$

$$BEC = 0.008752$$

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      | 5.55       | 0.0000 | P    | 86.6 |
| 2 | <input type="checkbox"/> | 10.000   | 9.764      | 5868.10    | 0.0015 | P    | 1.9  |
| 3 | <input type="checkbox"/> | 250.000  | 263.278    | 150719.15  | 0.0392 | P    | 10.3 |
| 4 | <input type="checkbox"/> | 625.000  | 619.341    | 381194.53  | 0.0921 | P    | 3.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1254.302   | 764999.00  | 0.1866 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2558.320   | 1561682.53 | 0.3806 | A    | 3.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 4969.808   | 3189082.51 | 0.7393 | A    | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 2016.88    | 0.0005 | P    | 11.4 |

$$y = 1.4876\text{E-}004 * x + 1.3789\text{E-}006$$

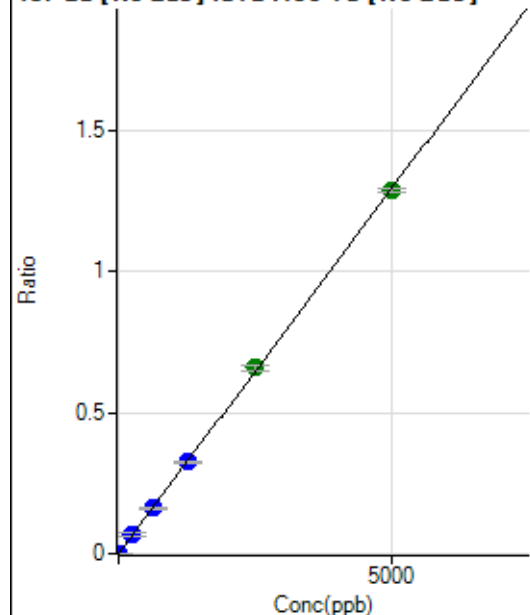
$$R = 0.9999$$

$$DL = 0.02409$$

$$BEC = 0.009269$$

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      | 16.66      | 0.0000 | P        | 89.0 |
| 2 | <input type="checkbox"/> | 10.000   | 10.084     | 10529.37   | 0.0026 | P        | 1.7  |
| 3 | <input type="checkbox"/> | 250.000  | 264.159    | 262548.58  | 0.0682 | P        | 10.5 |
| 4 | <input type="checkbox"/> | 625.000  | 624.503    | 667324.70  | 0.1613 | P        | 3.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1255.572   | 1329424.73 | 0.3243 | P        | 1.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2550.905   | 2703815.56 | 0.6589 | A        | 2.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4972.508   | 5540650.47 | 1.2844 | A        | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 3617.25    | 0.0009 | P        | 15.1 |

$$y = 2.5830E-004 * x + 4.1588E-006$$

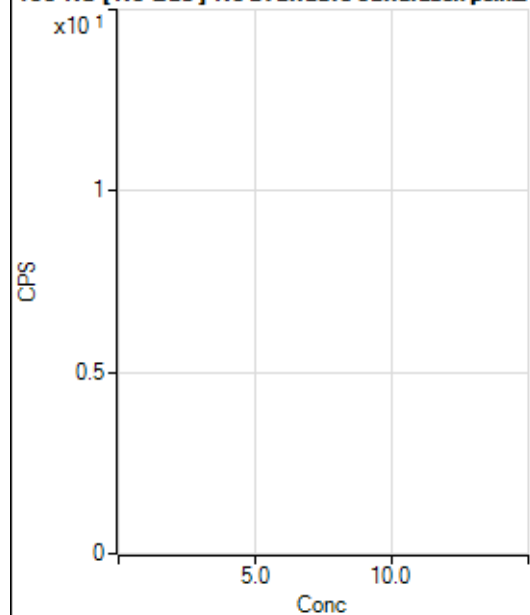
$$R = 0.9999$$

$$DL = 0.043$$

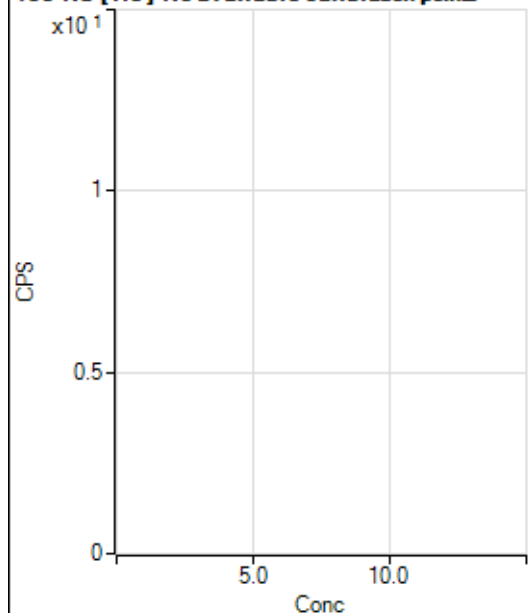
$$BEC = 0.0161$$

Weight: &lt;None&gt;

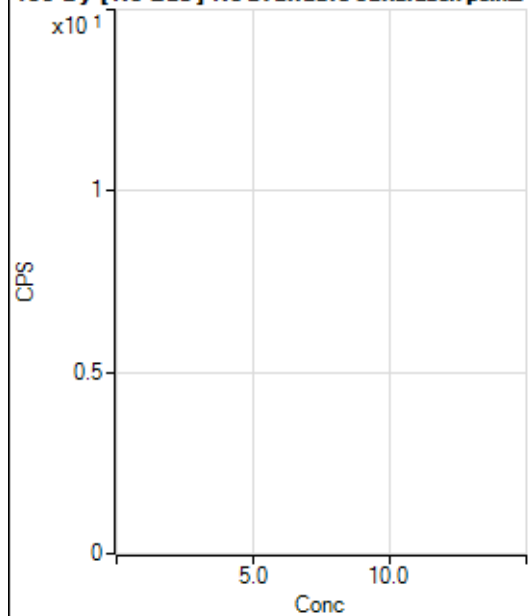
Min Conc: 0

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

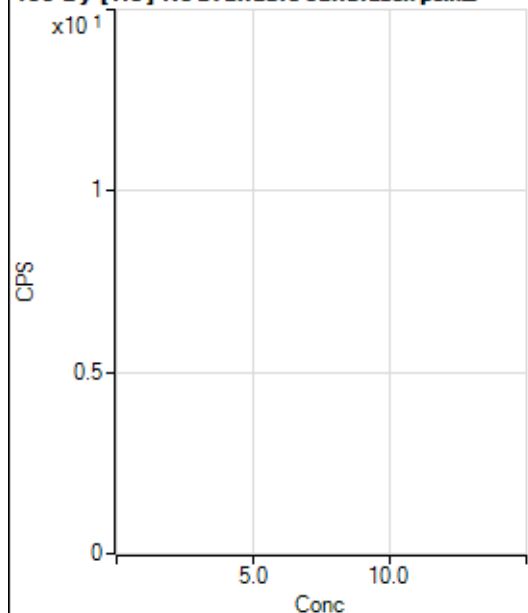
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 17.78  |       | P        | 94.4 |
| 3 | <input type="checkbox"/> |       |            | 17.78  |       | P        | 114. |
| 4 | <input type="checkbox"/> |       |            | 64.44  |       | P        | 29.9 |
| 5 | <input type="checkbox"/> |       |            | 106.67 |       | P        | 38.0 |
| 6 | <input type="checkbox"/> |       |            | 177.78 |       | P        | 22.0 |
| 7 | <input type="checkbox"/> |       |            | 500.02 |       | P        | 17.0 |
| 8 | <input type="checkbox"/> |       |            | 31.11  |       | P        | 44.6 |

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

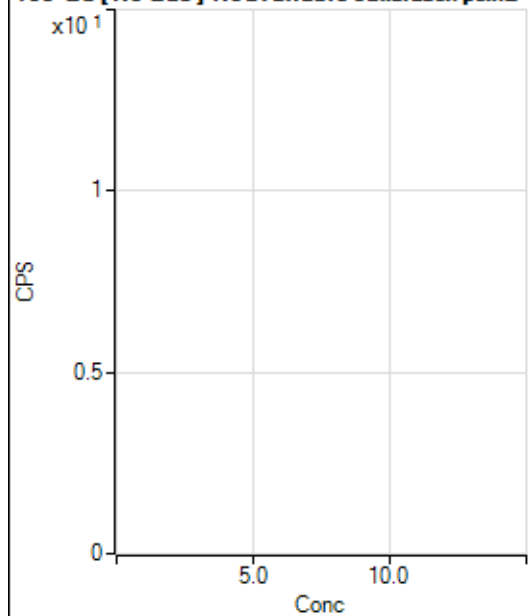
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100. |
| 4 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 91.6 |
| 5 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 50.0 |
| 6 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 50.0 |
| 7 | <input type="checkbox"/> |       |            | 31.11 |       | P        | 37.6 |
| 8 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 114. |

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

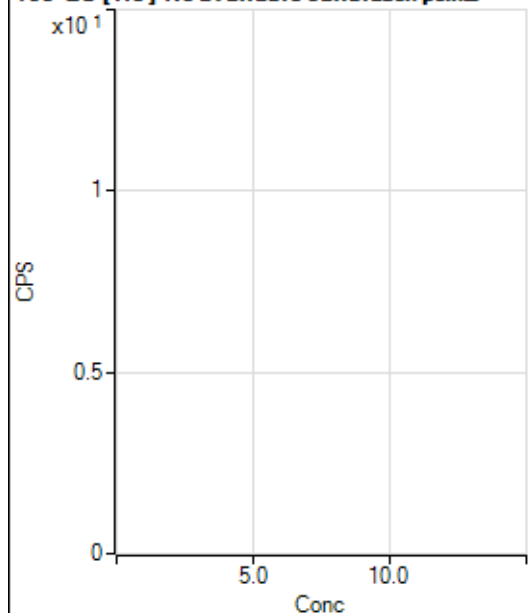
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00   |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 8.33   |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 88.2 |
| 4 | <input type="checkbox"/> |       |            | 19.44  |       | P        | 89.2 |
| 5 | <input type="checkbox"/> |       |            | 44.44  |       | P        | 43.3 |
| 6 | <input type="checkbox"/> |       |            | 122.23 |       | P        | 39.4 |
| 7 | <input type="checkbox"/> |       |            | 236.12 |       | P        | 21.3 |
| 8 | <input type="checkbox"/> |       |            | 700.04 |       | P        | 7.1  |

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

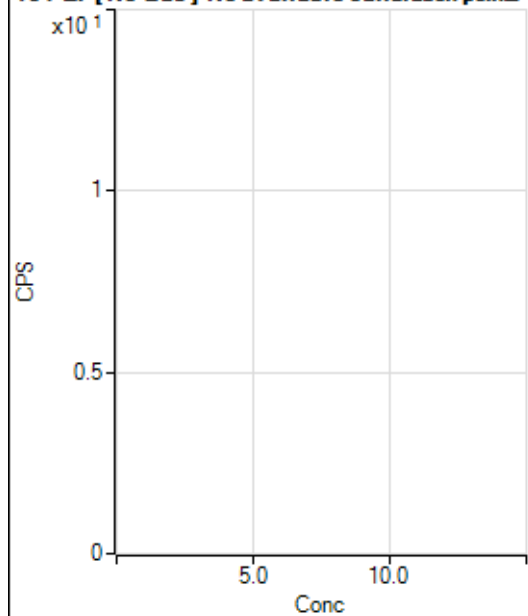
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 0.00   |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 18.89  |       | P        | 66.8 |
| 5 | <input type="checkbox"/> |       |            | 16.67  |       | P        | NaN  |
| 6 | <input type="checkbox"/> |       |            | 45.56  |       | P        | 21.1 |
| 7 | <input type="checkbox"/> |       |            | 98.89  |       | P        | 24.8 |
| 8 | <input type="checkbox"/> |       |            | 258.89 |       | P        | 11.2 |

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

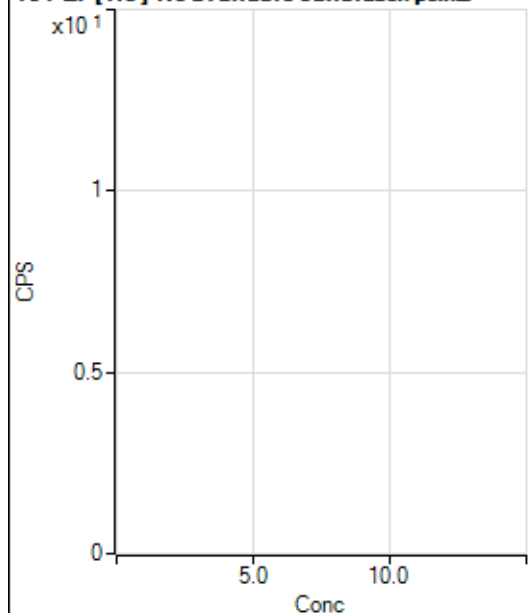
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 105. |
| 2 | <input type="checkbox"/> |       |            | 19.44  |       | P        | 65.5 |
| 3 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 26.7 |
| 4 | <input type="checkbox"/> |       |            | 41.67  |       | P        | 60.0 |
| 5 | <input type="checkbox"/> |       |            | 75.00  |       | P        | 11.1 |
| 6 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 10.0 |
| 7 | <input type="checkbox"/> |       |            | 202.79 |       | P        | 33.2 |
| 8 | <input type="checkbox"/> |       |            | 700.04 |       | P        | 11.5 |

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

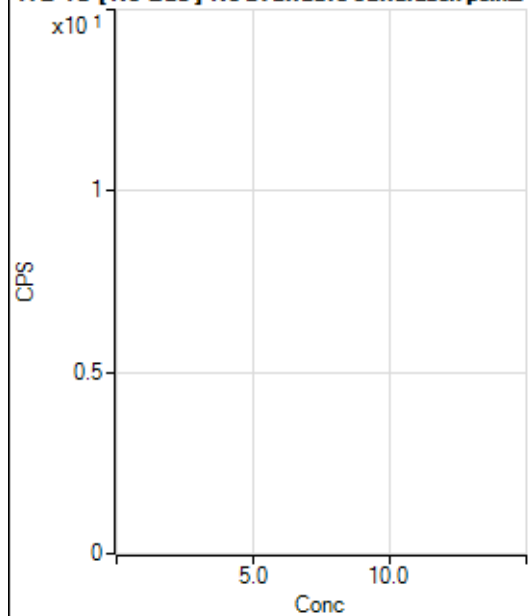
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 62.22  |       | P        | 30.5 |
| 2 | <input type="checkbox"/> |       |            | 70.00  |       | P        | 9.5  |
| 3 | <input type="checkbox"/> |       |            | 64.44  |       | P        | 21.5 |
| 4 | <input type="checkbox"/> |       |            | 63.33  |       | P        | 5.3  |
| 5 | <input type="checkbox"/> |       |            | 75.55  |       | P        | 38.5 |
| 6 | <input type="checkbox"/> |       |            | 95.56  |       | P        | 11.2 |
| 7 | <input type="checkbox"/> |       |            | 122.23 |       | P        | 14.0 |
| 8 | <input type="checkbox"/> |       |            | 320.01 |       | P        | 2.8  |

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

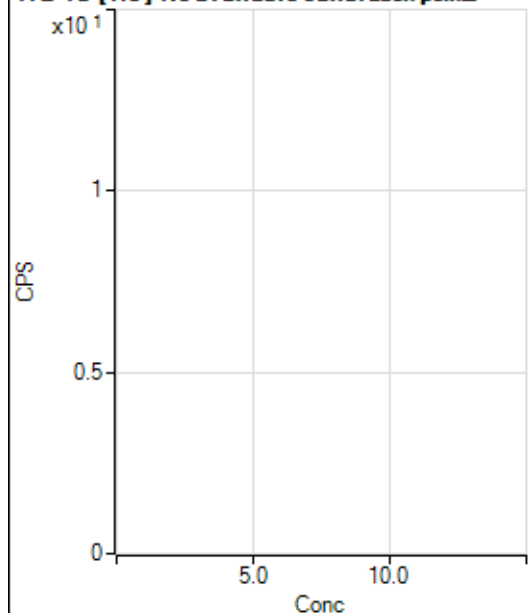
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 19.44  |       | P        | 65.5 |
| 2 | <input type="checkbox"/> |       |            | 30.55  |       | P        | 15.7 |
| 3 | <input type="checkbox"/> |       |            | 52.78  |       | P        | 36.5 |
| 4 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 48.0 |
| 5 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 48.0 |
| 6 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 16.7 |
| 7 | <input type="checkbox"/> |       |            | 113.89 |       | P        | 42.2 |
| 8 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 25.0 |

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

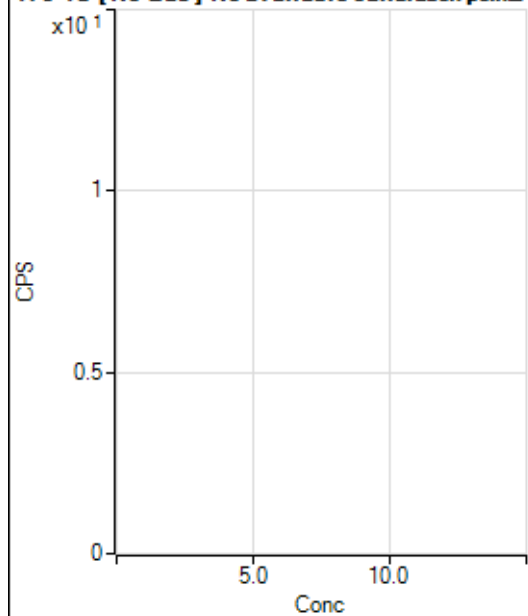
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 14.44 |       | P        | 96.1 |
| 2 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 50.0 |
| 3 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 33.3 |
| 4 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 43.3 |
| 5 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 45.8 |
| 6 | <input type="checkbox"/> |       |            | 30.00 |       | P        | 55.6 |
| 7 | <input type="checkbox"/> |       |            | 53.33 |       | P        | 48.8 |
| 8 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 36.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 62.5 |
| 2 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 12.4 |
| 3 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 48.2 |
| 4 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 12.4 |
| 5 | <input type="checkbox"/> |       |            | 44.45  |       | P        | 10.8 |
| 6 | <input type="checkbox"/> |       |            | 75.00  |       | P        | 22.2 |
| 7 | <input type="checkbox"/> |       |            | 133.34 |       | P        | 27.2 |
| 8 | <input type="checkbox"/> |       |            | 230.56 |       | P        | 15.0 |

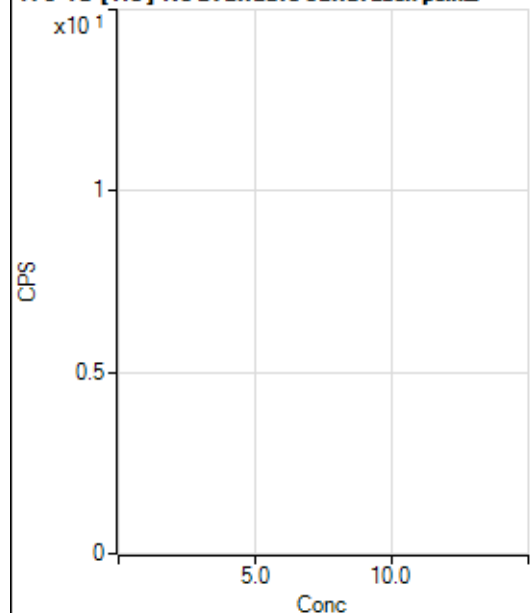
**172 Yb [He] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 31.48  |       | P        | 66.8 |
| 2 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 9.26   |       | P        | 34.6 |
| 4 | <input type="checkbox"/> |       |            | 16.67  |       | P        | NaN  |
| 5 | <input type="checkbox"/> |       |            | 24.07  |       | P        | 35.2 |
| 6 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 37.8 |
| 7 | <input type="checkbox"/> |       |            | 51.85  |       | P        | 37.6 |
| 8 | <input type="checkbox"/> |       |            | 112.96 |       | P        | 18.6 |

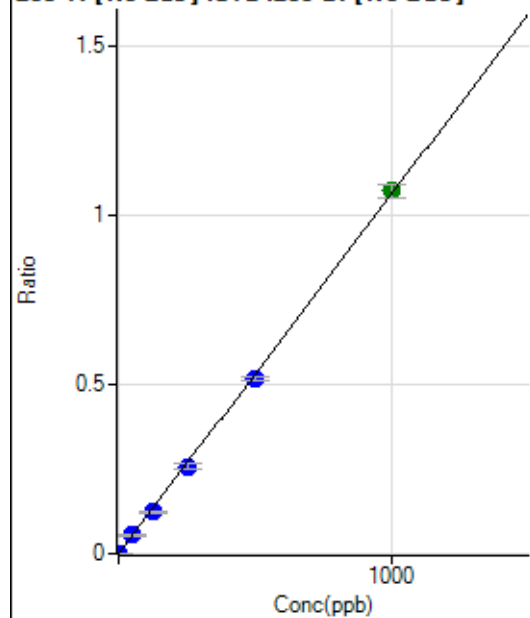
**176 Yb [No Gas] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|----------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 572.25   |       | P        | 9.4  |
| 2 | <input type="checkbox"/> |       |            | 630.59   |       | P        | 12.0 |
| 3 | <input type="checkbox"/> |       |            | 1238.98  |       | P        | 3.7  |
| 4 | <input type="checkbox"/> |       |            | 2216.91  |       | P        | 2.6  |
| 5 | <input type="checkbox"/> |       |            | 3636.72  |       | P        | 7.0  |
| 6 | <input type="checkbox"/> |       |            | 6746.34  |       | P        | 2.4  |
| 7 | <input type="checkbox"/> |       |            | 12728.78 |       | P        | 1.7  |
| 8 | <input type="checkbox"/> |       |            | 891.73   |       | P        | 3.4  |



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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 4563.84 |       | P        | 1.5 |
| 2 | <input type="checkbox"/> |       |            | 4534.20 |       | P        | 3.4 |
| 3 | <input type="checkbox"/> |       |            | 4684.25 |       | P        | 0.9 |
| 4 | <input type="checkbox"/> |       |            | 5149.24 |       | P        | 5.1 |
| 5 | <input type="checkbox"/> |       |            | 5642.05 |       | P        | 2.9 |
| 6 | <input type="checkbox"/> |       |            | 6985.28 |       | P        | 2.6 |
| 7 | <input type="checkbox"/> |       |            | 9525.79 |       | P        | 3.3 |
| 8 | <input type="checkbox"/> |       |            | 4739.83 |       | P        | 5.7 |

**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      | 41.67      | 0.0000 | P        | 53.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.931      | 2530.88    | 0.0010 | P        | 6.7  |
| 3 | <input type="checkbox"/> | 50.000   | 50.917     | 128439.70  | 0.0541 | P        | 10.2 |
| 4 | <input type="checkbox"/> | 125.000  | 116.342    | 320030.32  | 0.1235 | P        | 3.1  |
| 5 | <input type="checkbox"/> | 250.000  | 243.246    | 649955.18  | 0.2582 | P        | 5.9  |
| 6 | <input type="checkbox"/> | 500.000  | 487.720    | 1308628.09 | 0.5176 | P        | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.865   | 2755022.13 | 1.0706 | A        | 3.6  |
| 8 | <input type="checkbox"/> |          |            | 855.60     | 0.0004 | P        | 19.7 |

$$y = 0.0011 * x + 1.6343E-005$$

$$R = 0.9998$$

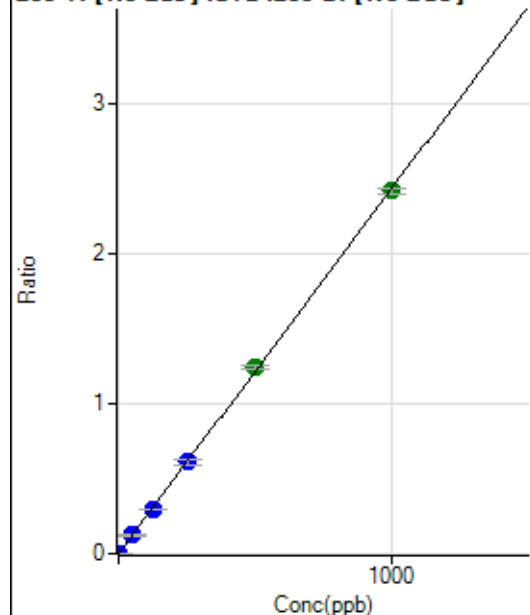
$$DL = 0.02477$$

$$BEC = 0.0154$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 80.56      | 0.0000 | P   | 15.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.004      | 6248.92    | 0.0025 | P   | 4.8  |
| 3 | <input type="checkbox"/> | 50.000   | 51.726     | 299331.62  | 0.1261 | P   | 11.2 |
| 4 | <input type="checkbox"/> | 125.000  | 120.004    | 758016.54  | 0.2924 | P   | 2.0  |
| 5 | <input type="checkbox"/> | 250.000  | 252.383    | 1548453.19 | 0.6150 | P   | 5.9  |
| 6 | <input type="checkbox"/> | 500.000  | 510.955    | 3147563.46 | 1.2450 | A   | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.465    | 6234092.33 | 2.4231 | A   | 1.9  |
| 8 | <input type="checkbox"/> |          |            | 2039.12    | 0.0009 | P   | 23.8 |

$$y = 0.0024 * x + 3.1484E-005$$

$$R = 0.9999$$

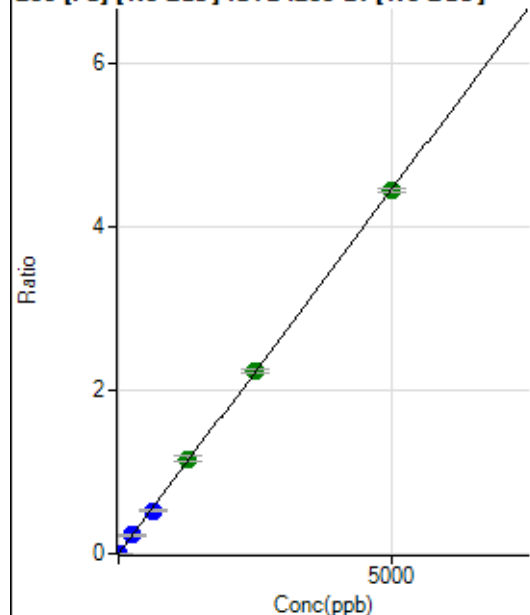
$$DL = 0.006005$$

$$BEC = 0.01292$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 307.42      | 0.0001 | P   | 9.5  |
| 2 | <input type="checkbox"/> | 1.000    | 0.861      | 2237.27     | 0.0009 | P   | 1.2  |
| 3 | <input type="checkbox"/> | 250.000  | 253.465    | 537000.56   | 0.2260 | P   | 10.0 |
| 4 | <input type="checkbox"/> | 625.000  | 589.087    | 1361141.06  | 0.5251 | P   | 2.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1306.859   | 2932504.84  | 1.1647 | A   | 5.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2509.758   | 5654762.86  | 2.2367 | A   | 2.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4985.222   | 11432046.67 | 4.4427 | A   | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 3322.72     | 0.0015 | P   | 23.2 |

$$y = 8.9115E-004 * x + 1.2008E-004$$

$$R = 0.9999$$

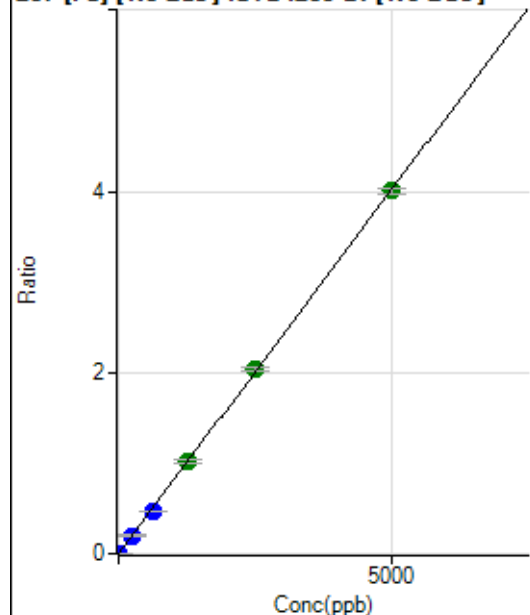
$$DL = 0.03832$$

$$BEC = 0.1348$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 288.90      | 0.0001 | P    | 16.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.936      | 2179.85     | 0.0009 | P    | 6.7  |
| 3 | <input type="checkbox"/> | 250.000  | 249.703    | 477010.22   | 0.2008 | P    | 10.3 |
| 4 | <input type="checkbox"/> | 625.000  | 587.853    | 1224929.66  | 0.4725 | P    | 2.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1257.908   | 2547003.88  | 1.0110 | A    | 4.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2534.256   | 5149153.53  | 2.0366 | A    | 1.6  |
| 7 | <input type="checkbox"/> | 5000.000 | 4985.553   | 10309106.95 | 4.0065 | A    | 1.8  |
| 8 | <input type="checkbox"/> |          |            | 2917.06     | 0.0013 | P    | 15.5 |

$$y = 8.0360\text{E-}004 * x + 1.1315\text{E-}004$$

$$R = 0.9999$$

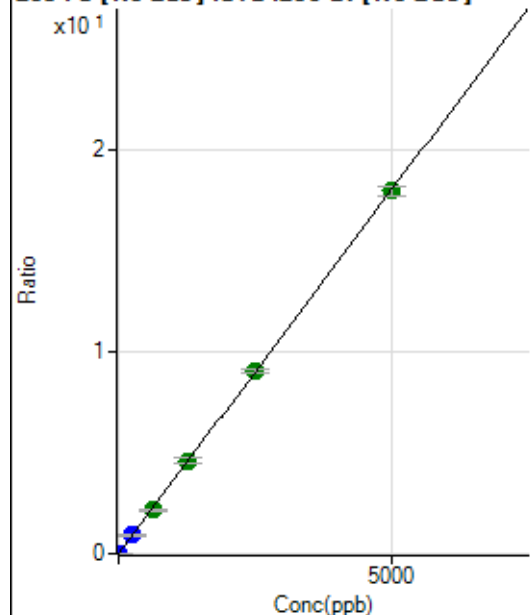
$$DL = 0.06942$$

$$BEC = 0.1408$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1281.53     | 0.0005  | P    | 1.9  |
| 2 | <input type="checkbox"/> | 1.000    | 0.923      | 9657.18     | 0.0038  | P    | 3.5  |
| 3 | <input type="checkbox"/> | 250.000  | 251.960    | 2162241.14  | 0.9100  | P    | 10.1 |
| 4 | <input type="checkbox"/> | 625.000  | 602.648    | 5639513.69  | 2.1758  | A    | 3.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1277.247   | 11613832.81 | 4.6109  | A    | 5.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2515.725   | 22959584.14 | 9.0814  | A    | 1.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4988.022   | 46322924.07 | 18.0055 | A    | 2.5  |
| 8 | <input type="checkbox"/> |          |            | 13434.53    | 0.0059  | P    | 19.0 |

$$y = 0.0036 * x + 5.0093\text{E-}004$$

$$R = 1.0000$$

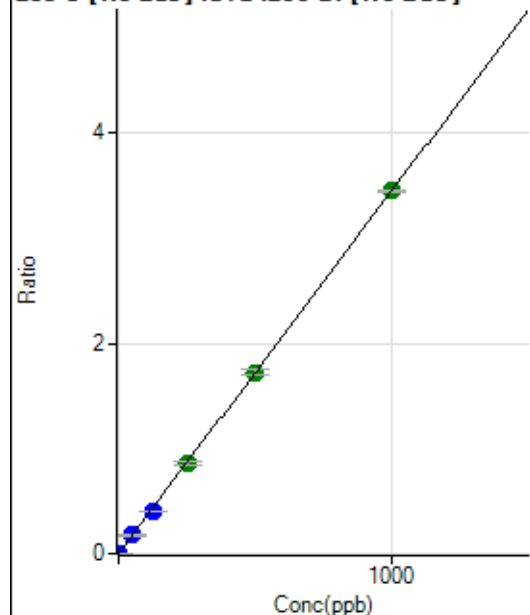
$$DL = 0.007858$$

$$BEC = 0.1388$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.33       | 0.0000 | P    | 173. |
| 2 | <input type="checkbox"/> | 1.000    | 0.942      | 8186.21    | 0.0032 | P    | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 50.743     | 415210.37  | 0.1747 | P    | 10.0 |
| 4 | <input type="checkbox"/> | 125.000  | 116.822    | 1042930.17 | 0.4023 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 250.000  | 250.119    | 2170589.54 | 0.8613 | A    | 4.1  |
| 6 | <input type="checkbox"/> | 500.000  | 500.309    | 4355027.57 | 1.7229 | A    | 3.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.801   | 8868847.16 | 3.4463 | A    | 0.2  |
| 8 | <input type="checkbox"/> |          |            | 1186.20    | 0.0005 | P    | 36.9 |

$$y = 0.0034 * x + 3.2966E-006$$

$$R = 1.0000$$

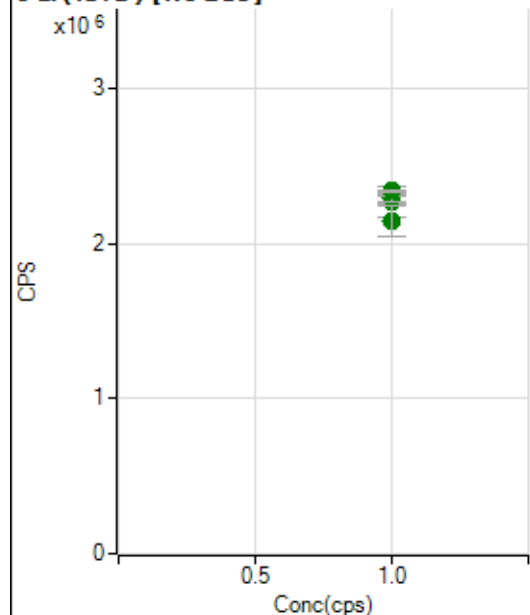
$$DL = 0.004974$$

$$BEC = 0.0009573$$

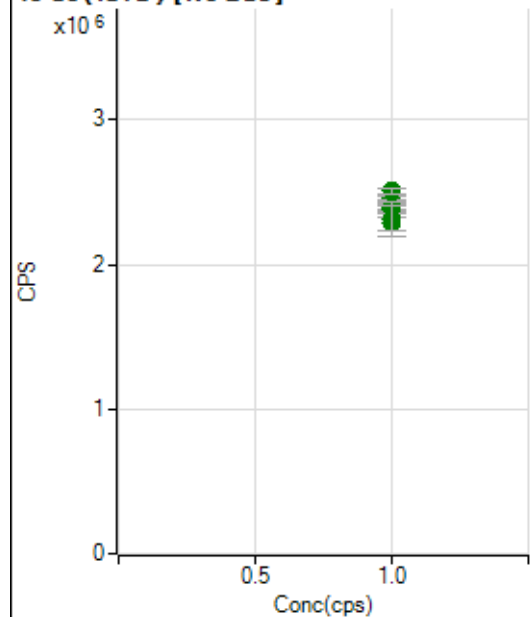
Weight: &lt;None&gt;

Min Conc: 0

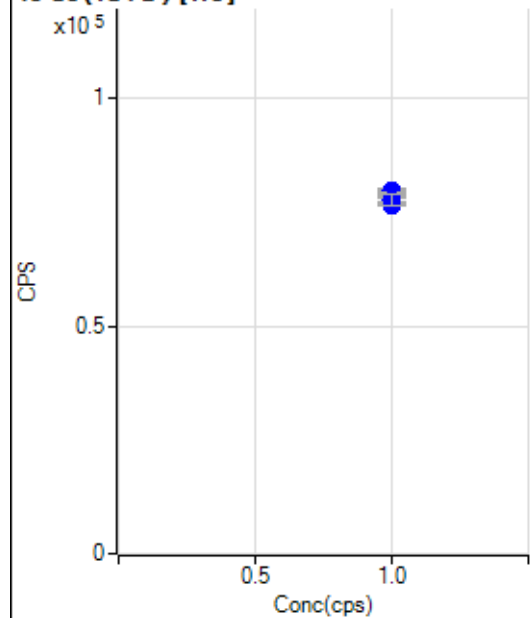
6 Li (ISTD) [No Gas]



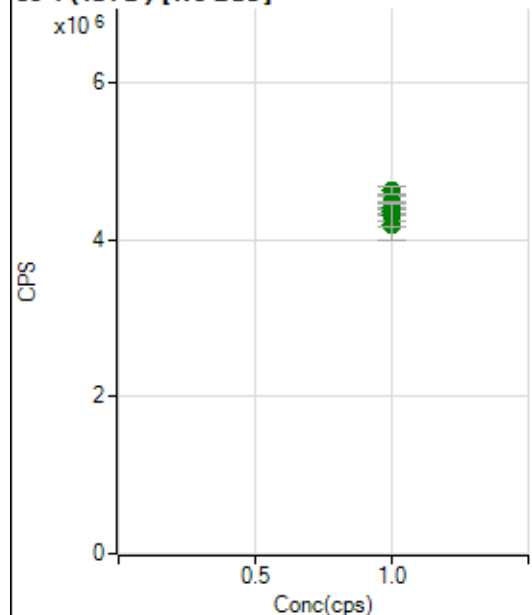
|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2309806.88 |       | A    | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2315729.60 |       | A    | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2266699.35 |       | A    | 8.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2330764.26 |       | A    | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2289548.60 |       | A    | 2.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2286522.94 |       | A    | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2337959.84 |       | A    | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2143709.75 |       | A    | 8.9 |

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

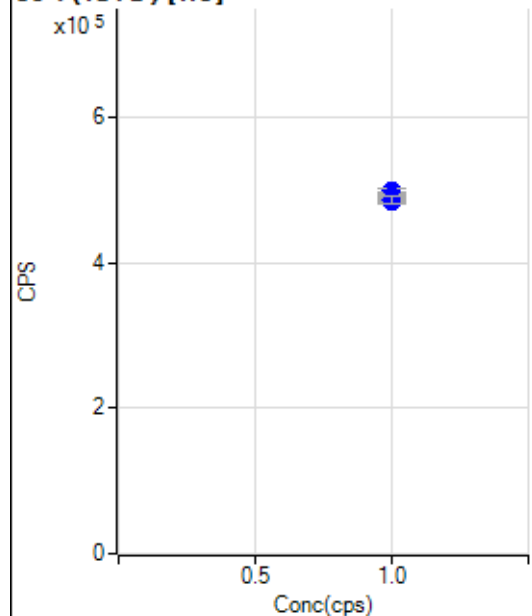
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2396197.64 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2389722.95 |       | A        | 2.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2284702.52 |       | A        | 7.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2457360.92 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2383318.44 |       | A        | 4.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2396118.09 |       | A        | 3.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2509846.04 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2317331.93 |       | A        | 7.3 |

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

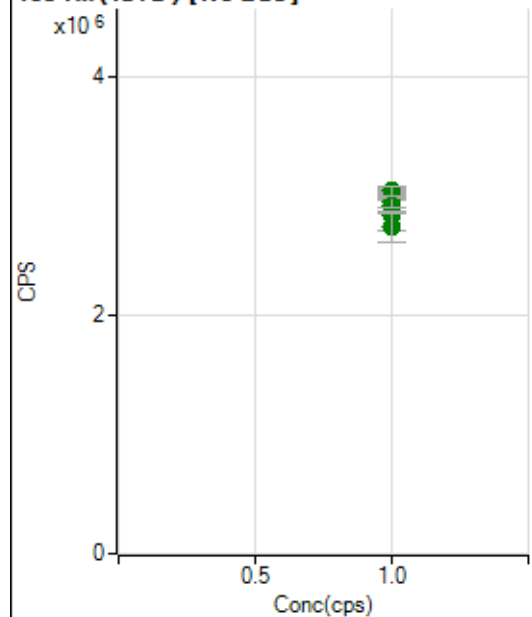
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 79287.60 |       | P        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 79636.21 |       | P        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 78241.93 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 76553.00 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 76664.42 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 77537.11 |       | P        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 79209.63 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 77639.85 |       | P        | 3.1 |

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

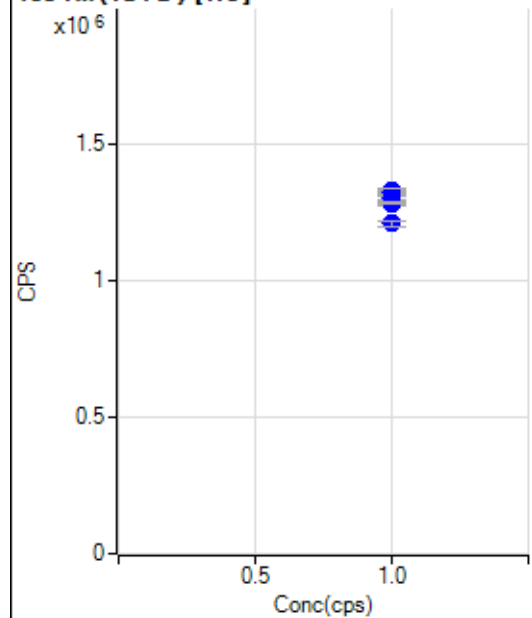
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 4393771.01 |       | A        | 0.6  |
| 2 | <input type="checkbox"/> | 1.000 |            | 4356052.51 |       | A        | 1.4  |
| 3 | <input type="checkbox"/> | 1.000 |            | 4204635.70 |       | A        | 10.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4485726.18 |       | A        | 3.5  |
| 5 | <input type="checkbox"/> | 1.000 |            | 4306903.37 |       | A        | 3.5  |
| 6 | <input type="checkbox"/> | 1.000 |            | 4415217.89 |       | A        | 2.9  |
| 7 | <input type="checkbox"/> | 1.000 |            | 4626161.84 |       | A        | 2.1  |
| 8 | <input type="checkbox"/> | 1.000 |            | 4325225.28 |       | A        | 6.8  |

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

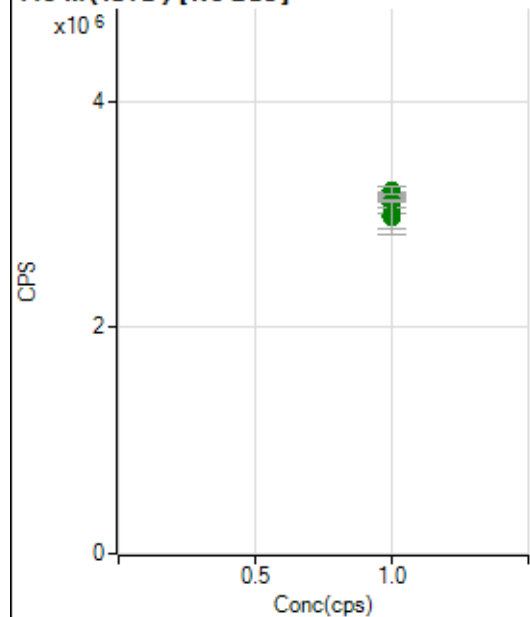
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 491022.85 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 498489.21 |       | P        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 490479.22 |       | P        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 486204.14 |       | P        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 482745.86 |       | P        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 489513.39 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 492625.31 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 486430.75 |       | P        | 1.9 |

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

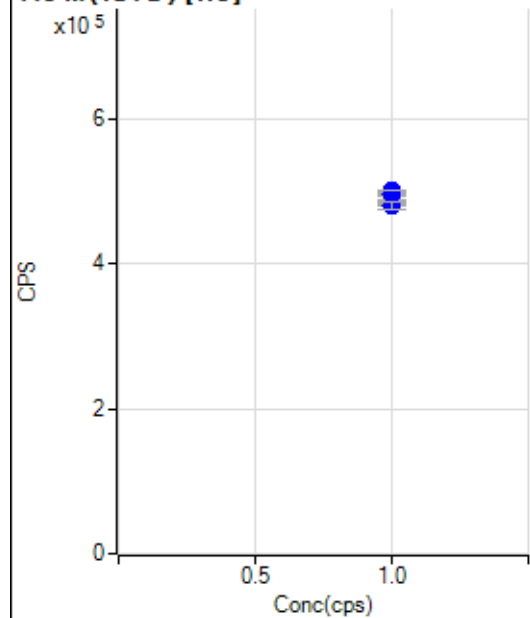
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3044496.38 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2992532.97 |       | A        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2840265.67 |       | A        | 9.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3042299.81 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2919015.17 |       | A        | 3.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2948408.62 |       | A        | 3.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3045797.14 |       | A        | 2.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2736772.46 |       | A        | 8.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1327791.74 |       | P        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1326929.17 |       | P        | 0.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1323137.18 |       | P        | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1299410.57 |       | P        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1283026.34 |       | P        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1291782.38 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1283343.24 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1208058.57 |       | P        | 1.6 |

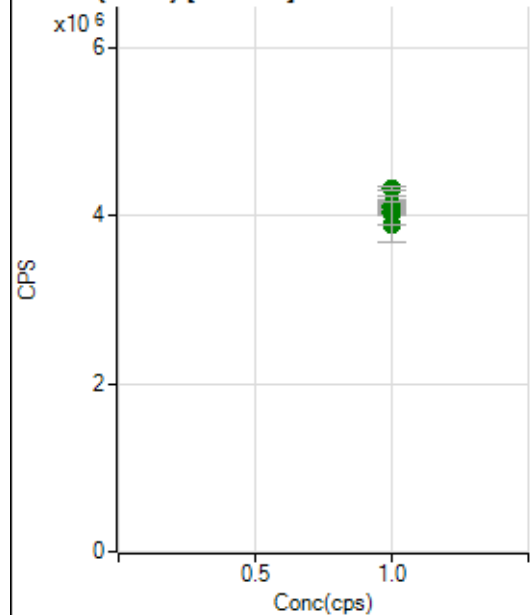
**115 In (ISTD) [No Gas]**

|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|------------|-------|------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 3160092.50 |       | A    | 0.2  |
| 2 | <input type="checkbox"/> | 1.000 |            | 3172802.15 |       | A    | 1.2  |
| 3 | <input type="checkbox"/> | 1.000 |            | 2980526.25 |       | A    | 10.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3181286.27 |       | A    | 1.2  |
| 5 | <input type="checkbox"/> | 1.000 |            | 3070622.10 |       | A    | 4.0  |
| 6 | <input type="checkbox"/> | 1.000 |            | 3088335.44 |       | A    | 2.0  |
| 7 | <input type="checkbox"/> | 1.000 |            | 3209773.27 |       | A    | 2.1  |
| 8 | <input type="checkbox"/> | 1.000 |            | 3001465.75 |       | A    | 8.7  |

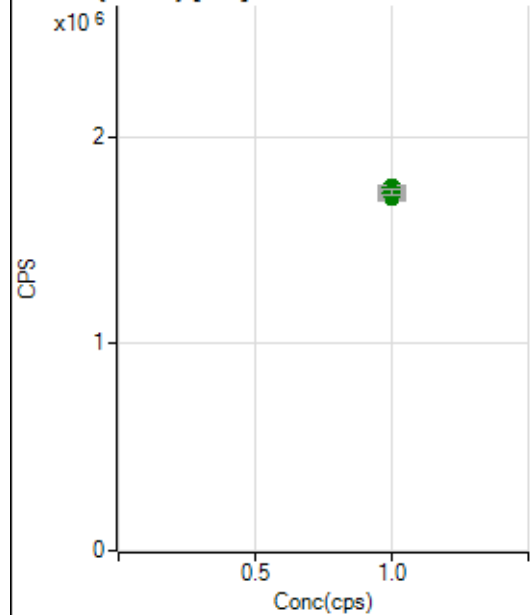
**115 In (ISTD) [He]**

|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS       | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-----------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 500088.36 |       | P    | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 501320.14 |       | P    | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 497630.82 |       | P    | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 487723.00 |       | P    | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 485929.73 |       | P    | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 486755.44 |       | P    | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 480801.99 |       | P    | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 480279.06 |       | P    | 2.5 |

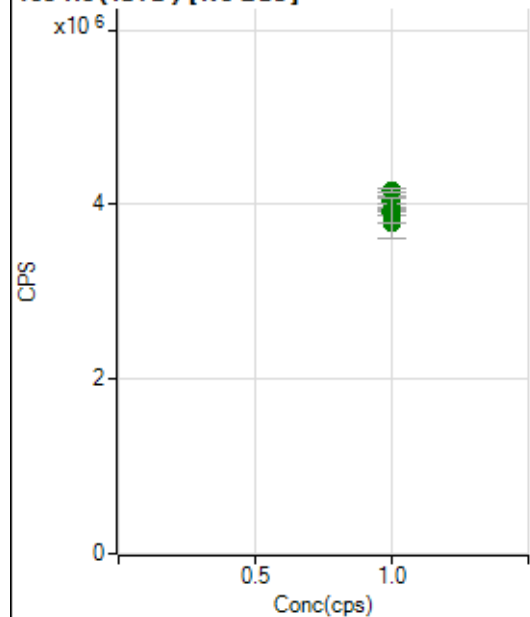


**159 Tb (ISTD) [No Gas]**

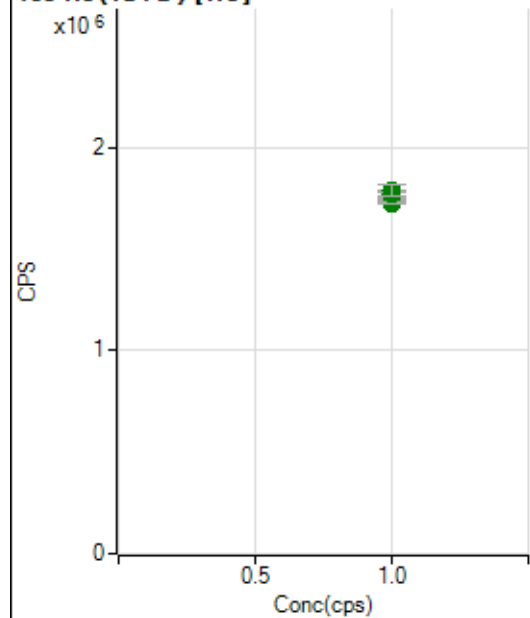
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 4064797.37 |       | A        | 2.4  |
| 2 | <input type="checkbox"/> | 1.000 |            | 4035513.41 |       | A        | 1.5  |
| 3 | <input type="checkbox"/> | 1.000 |            | 3876255.98 |       | A        | 10.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4139013.58 |       | A        | 2.7  |
| 5 | <input type="checkbox"/> | 1.000 |            | 4099672.19 |       | A        | 2.0  |
| 6 | <input type="checkbox"/> | 1.000 |            | 4105583.30 |       | A        | 2.7  |
| 7 | <input type="checkbox"/> | 1.000 |            | 4314155.04 |       | A        | 1.1  |
| 8 | <input type="checkbox"/> | 1.000 |            | 4053259.11 |       | A        | 8.2  |

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

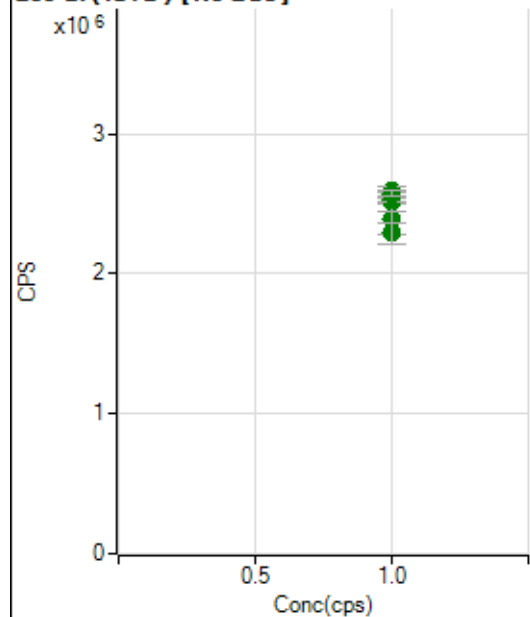
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1714108.32 |       | A        | 2.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1749252.70 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1754742.55 |       | A        | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1721587.46 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1728492.08 |       | A        | 2.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1746793.55 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1751166.17 |       | A        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1732216.99 |       | A        | 1.6 |

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

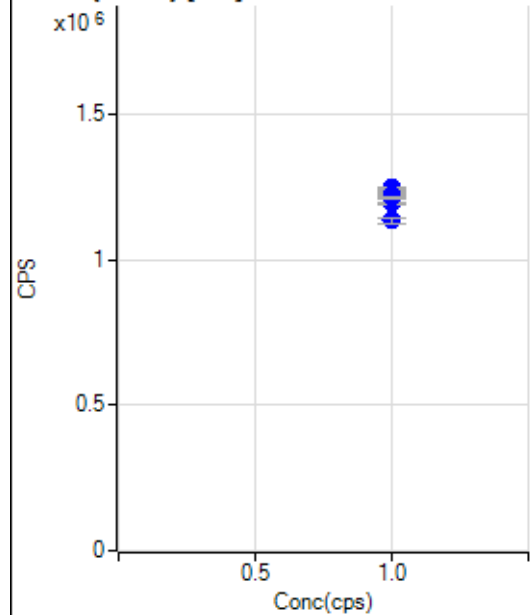
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3891074.22 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3946736.46 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3777772.13 |       | A        | 8.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4034010.16 |       | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3941611.50 |       | A        | 3.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4055588.89 |       | A        | 2.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4155572.27 |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3923662.46 |       | A        | 7.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1757975.65 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1750079.50 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1765004.56 |       | A        | 2.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1749045.98 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1766354.66 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1728980.63 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1772921.42 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1787533.95 |       | A        | 3.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2557767.84 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2520536.75 |       | A        | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2391181.63 |       | A        | 9.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2593035.64 |       | A        | 2.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2523935.53 |       | A        | 6.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2528573.50 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2573336.20 |       | A        | 1.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2293161.25 |       | A        | 6.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1228752.12 |       | P        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1246802.18 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1223715.59 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1218921.49 |       | P        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1210016.78 |       | P        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1193021.08 |       | P        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1214101.85 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1133370.36 |       | P        | 2.2 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP8022823MS.b  
Acq. Date-Time 2023-02-28 08:55:34  
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    |              | 7364  | 73643.70  |                            |             | 0.702  | 5.000           |
| 24   |              | 40621 | 406209.79 |                            |             | 1.060  | 5.000           |
| 25   |              | 5509  | 55085.60  |                            |             | 0.771  | 5.000           |
| 26   |              | 6434  | 64344.91  |                            |             | 0.714  | 5.000           |
| 59   |              | 25740 | 257395.57 |                            |             | 0.689  | 5.000           |
| 113  |              | 2821  | 28208.46  |                            |             | 1.358  | 5.000           |
| 115  |              | 35653 | 356530.81 |                            |             | 1.204  | 5.000           |
| 206  |              | 8107  | 81067.36  |                            |             | 1.330  | 5.000           |
| 207  |              | 7455  | 74550.42  |                            |             | 1.796  | 5.000           |
| 208  |              | 17574 | 175744.76 |                            |             | 1.554  | 5.000           |
| 220  |              | 1     | 6.70      |                            |             | 19.460 |                 |

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

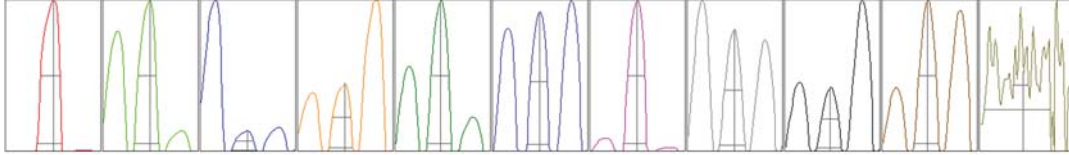
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 7377        | 7363        | 7391        | 7278        | 7413        |
| 24   | 41014       | 40624       | 41004       | 39969       | 40495       |
| 25   | 5558        | 5533        | 5483        | 5450        | 5518        |
| 26   | 6469        | 6485        | 6441        | 6373        | 6404        |
| 59   | 25529       | 25945       | 25692       | 25632       | 25899       |
| 113  | 2850        | 2870        | 2797        | 2778        | 2809        |
| 115  | 35787       | 36031       | 35934       | 34955       | 35558       |
| 206  | 8053        | 8298        | 8046        | 8085        | 8052        |
| 207  | 7423        | 7592        | 7494        | 7241        | 7524        |
| 208  | 17243       | 17924       | 17635       | 17362       | 17707       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 12766.37    | 9.05   | 8.90 - 9.10     |             |
| 24   | 74877.04    | 24.00  | 23.90 - 24.10   |             |
| 25   | 9973.52     | 25.00  | 24.90 - 25.10   |             |
| 26   | 11492.11    | 26.00  | 25.90 - 26.10   |             |
| 59   | 48116.81    | 58.95  | 58.90 - 59.10   |             |
| 113  | 5570.33     | 113.00 | 112.90 - 113.10 |             |
| 115  | 69519.21    | 115.00 | 114.90 - 115.10 |             |
| 206  | 15567.31    | 206.00 | 205.90 - 206.10 |             |
| 207  | 14286.25    | 206.95 | 206.90 - 207.10 |             |
| 208  | 33711.29    | 207.95 | 207.90 - 208.10 |             |
| 220  | 0.60        | 219.90 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.61  | 0.776 | 0.900           |             |
| 24   | 0.57  | 0.777 | 0.900           |             |
| 25   | 0.58  | 0.776 | 0.900           |             |
| 26   | 0.59  | 0.741 | 0.900           |             |
| 59   | 0.56  | 0.776 | 0.900           |             |
| 113  | 0.54  | 0.691 | 0.900           |             |
| 115  | 0.53  | 0.724 | 0.900           |             |
| 206  | 0.54  | 0.808 | 0.900           |             |
| 207  | 0.54  | 0.778 | 0.900           |             |
| 208  | 0.54  | 0.779 | 0.900           |             |
| 220  | 0.50  | 2.076 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.87 L/min Dilution Gas 0.40 L/min

# US EPA Tune Check Report

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

## Lens Parameters

|            |          |               |        |            |        |
|------------|----------|---------------|--------|------------|--------|
| Extract 1  | -6.0 V   | Omega Lens    | 10.6 V | Deflect    | 16.6 V |
| Extract 2  | -185.0 V | Cell Entrance | -30 V  | Plate Bias | -50 V  |
| Omega Bias | -100 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      | 180 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 0.9992 | QP Bias | -4.0 V |
| Mass Offset | 125 | Axis Offset | -0.02  |         |        |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 1.1 mm | Torch V | -0.8 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.4 mV | Analog HV | 2317 V | Pulse HV | 1712 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS      | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 5704  | 57039.64 |                            |             | 0.823 |                 |
| 89   |              | 6440  | 64395.11 |                            |             | 1.316 |                 |
| 205  |              | 4985  | 49853.04 |                            |             | 1.835 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 5780        | 5660        | 5716        | 5681        | 5683        |
| 89   | 6554        | 6335        | 6491        | 6403        | 6414        |
| 205  | 5106        | 4887        | 4945        | 5056        | 4933        |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

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

### Lens Parameters

|           |        |            |        |         |       |
|-----------|--------|------------|--------|---------|-------|
| Extract 1 | -6.0 V | Omega Lens | 10.6 V | Deflect | 5.0 V |
|-----------|--------|------------|--------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -185.0 V | Cell Entrance | -50 V | Plate Bias | -60 V |
| Omega Bias | -100 V   | Cell Exit     | -70 V |            |       |

## Cell Parameters

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

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 123 | Axis Gain   | 0.9992 | QP Bias | -13.0 V |
| Mass Offset | 125 | Axis Offset | -0.02  |         |         |

## Hardware Settings

### Torch

|         |        |         |         |
|---------|--------|---------|---------|
| Torch H | 1.1 mm | Torch V | -0.8 mm |
|---------|--------|---------|---------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.4 mV | Analog HV | 2317 V | Pulse HV | 1712 V |
|---------------|--------|-----------|--------|----------|--------|