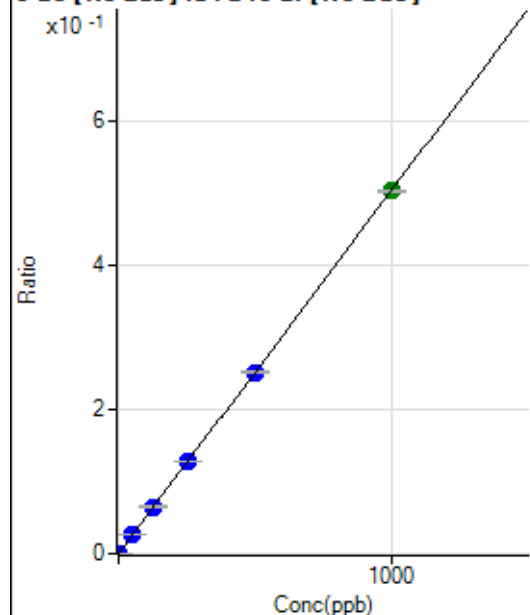


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7063022MS.b\  
Analysis File: P7063022MS.batch.bin  
DA Date-Time: 2022-07-01 00:43:51  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 002CALB.d          | S00         | 2022-06-30 14:32:20 |
| 2     | 005CALS.d          | S02         | 2022-06-30 14:40:57 |
| 3     | 006CALS.d          | S03         | 2022-06-30 14:43:51 |
| 4     | 007CALS.d          | S04         | 2022-06-30 14:46:36 |
| 5     | 008CALS.d          | S05         | 2022-06-30 14:49:22 |
| 6     | 009CALS.d          | S06         | 2022-06-30 14:52:07 |
| 7     | 010CALS.d          | S07         | 2022-06-30 14:54:54 |
| 8     | 011CALS.d          | S08         | 2022-06-30 14:57:39 |

**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      | 78.89      | 0.0000 | P    | 8.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.042      | 1970.15    | 0.0005 | P    | 6.5 |
| 3 | <input type="checkbox"/> | 50.000   | 51.948     | 94047.62   | 0.0262 | P    | 0.5 |
| 4 | <input type="checkbox"/> | 125.000  | 129.050    | 224279.08  | 0.0650 | P    | 1.1 |
| 5 | <input type="checkbox"/> | 250.000  | 253.463    | 424665.29  | 0.1276 | P    | 0.3 |
| 6 | <input type="checkbox"/> | 500.000  | 499.474    | 791314.00  | 0.2514 | P    | 1.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 998.793    | 1522122.49 | 0.5027 | A    | 0.2 |
| 8 | <input type="checkbox"/> |          |            | 4886.37    | 0.0017 | P    | 2.1 |

$$y = 5.0329\text{E-}004 * x + 2.1718\text{E-}005$$

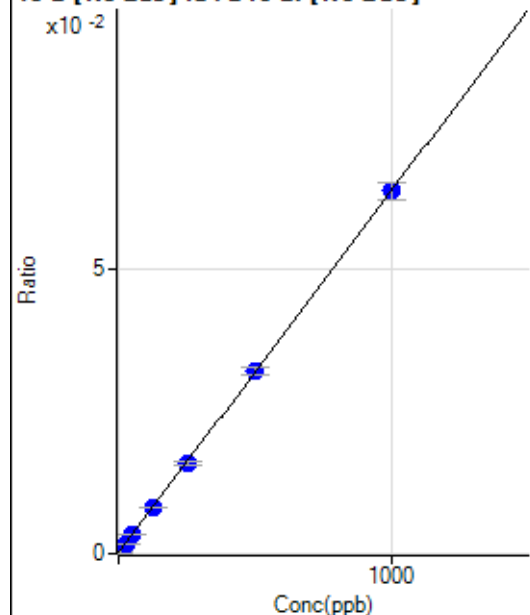
$$R = 1.0000$$

$$DL = 0.01067$$

$$BEC = 0.04315$$

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      | 644.47    | 0.0002 | P    | 15.7 |
| 2 | <input type="checkbox"/> | 25.000   | 23.281     | 5987.40   | 0.0017 | P    | 6.6  |
| 3 | <input type="checkbox"/> | 50.000   | 51.131     | 12338.53  | 0.0034 | P    | 4.5  |
| 4 | <input type="checkbox"/> | 125.000  | 124.272    | 27928.38  | 0.0081 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 250.000  | 248.433    | 53236.27  | 0.0160 | P    | 3.7  |
| 6 | <input type="checkbox"/> | 500.000  | 501.737    | 101095.27 | 0.0321 | P    | 5.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.601    | 193228.09 | 0.0638 | P    | 4.8  |
| 8 | <input type="checkbox"/> |          |            | 10729.02  | 0.0037 | P    | 11.7 |

$$y = 6.3671\text{E-}005 * x + 1.7769\text{E-}004$$

$$R = 1.0000$$

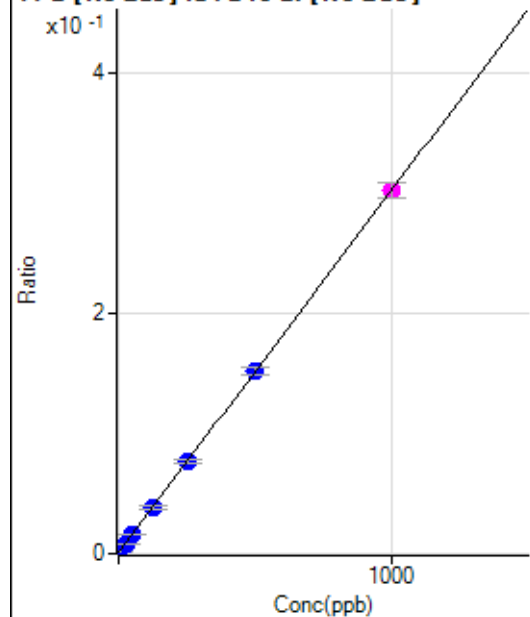
$$DL = 1.313$$

$$BEC = 2.791$$

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      | 3022.58   | 0.0008 | P   | 2.2 |
| 2 | <input type="checkbox"/> | 25.000   | 24.071     | 29144.44  | 0.0081 | P   | 4.0 |
| 3 | <input type="checkbox"/> | 50.000   | 51.033     | 58198.93  | 0.0162 | P   | 4.2 |
| 4 | <input type="checkbox"/> | 125.000  | 124.915    | 132653.91 | 0.0384 | P   | 5.6 |
| 5 | <input type="checkbox"/> | 250.000  | 252.244    | 255486.65 | 0.0768 | P   | 3.3 |
| 6 | <input type="checkbox"/> | 500.000  | 502.026    | 478210.00 | 0.1519 | P   | 4.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 998.408    | 912402.06 | 0.3014 | M   | 4.1 |
| 8 | <input type="checkbox"/> |          |            | 49201.25  | 0.0171 | P   | 7.8 |

$$y = 3.0101E-004 * x + 8.3243E-004$$

$$R = 1.0000$$

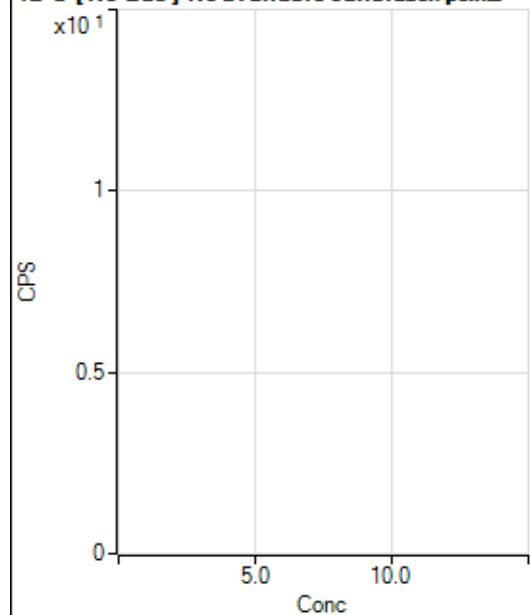
$$DL = 0.1857$$

$$BEC = 2.765$$

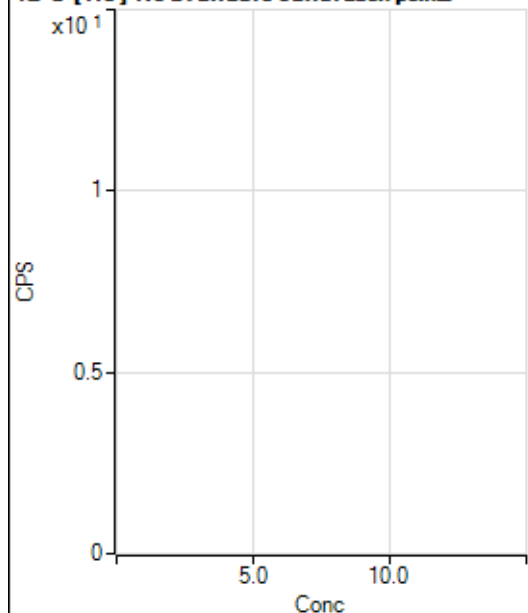
Weight: &lt;None&gt;

Min Conc: 0

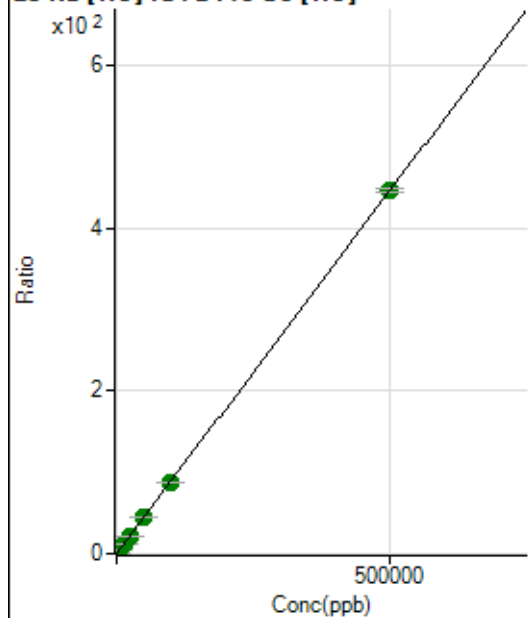
12 C [No Gas] No available calibration points



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

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

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

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 21995.51    | 0.0289   | P        | 1.6 |
| 2 | <input type="checkbox"/> | 500.000   | 486.431    | 355129.09   | 0.4619   | P        | 0.4 |
| 3 | <input type="checkbox"/> | 5000.000  | 5024.830   | 3411712.52  | 4.5016   | A        | 0.3 |
| 4 | <input type="checkbox"/> | 12500.000 | 12507.740  | 8107814.36  | 11.1622  | A        | 0.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 24715.589  | 14838936.67 | 22.0285  | A        | 0.4 |
| 6 | <input type="checkbox"/> | 50000.000 | 49269.902  | 27534348.30 | 43.8845  | A        | 0.8 |
| 7 | <input type="checkbox"/> | 100000.00 | 98642.186  | 53431360.46 | 87.8312  | A        | 0.5 |
| 8 | <input type="checkbox"/> | 500000.00 | 500358.36  | 273088335.7 | 445.4022 | A        | 1.1 |

$$y = 8.9011\text{E-}004 * x + 0.0289$$

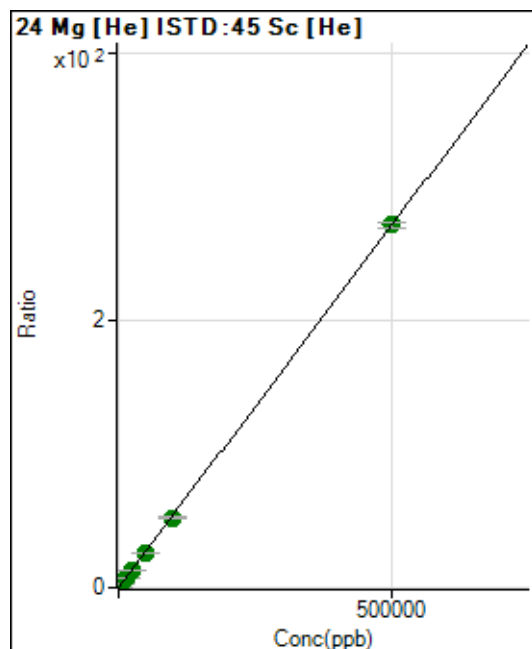
$$R = 1.0000$$

$$DL = 1.527$$

$$BEC = 32.51$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 937.08      | 0.0012   | P        | 4.1 |
| 2 | <input type="checkbox"/> | 500.000   | 491.643    | 205964.82   | 0.2679   | P        | 1.0 |
| 3 | <input type="checkbox"/> | 5000.000  | 4977.541   | 2047093.90  | 2.7009   | A        | 1.4 |
| 4 | <input type="checkbox"/> | 12500.000 | 12371.137  | 4874442.06  | 6.7111   | A        | 0.8 |
| 5 | <input type="checkbox"/> | 25000.000 | 24258.627  | 8863881.91  | 13.1586  | A        | 0.3 |
| 6 | <input type="checkbox"/> | 50000.000 | 48641.496  | 16554170.63 | 26.3833  | A        | 0.4 |
| 7 | <input type="checkbox"/> | 100000.00 | 96771.581  | 31929876.41 | 52.4880  | A        | 0.8 |
| 8 | <input type="checkbox"/> | 500000.00 | 500822.05  | 166545507.4 | 271.6360 | A        | 1.3 |

$$y = 5.4238\text{E-}004 * x + 0.0012$$

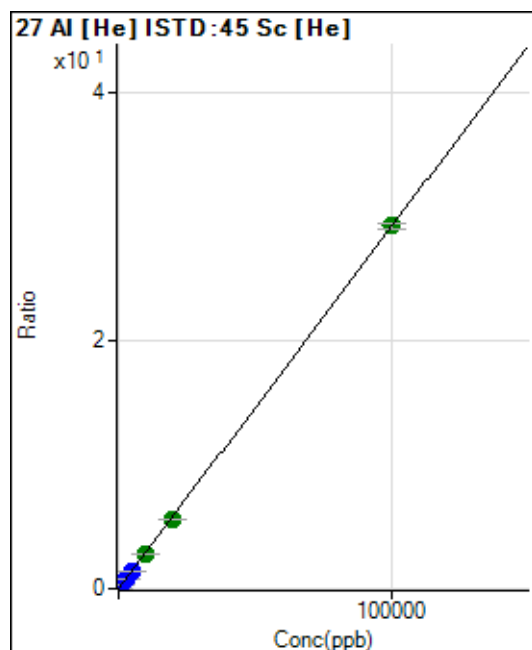
$$R = 1.0000$$

$$DL = 0.2792$$

$$BEC = 2.272$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 183.34      | 0.0002  | P        | 6.8 |
| 2 | <input type="checkbox"/> | 20.000    | 18.885     | 4432.19     | 0.0058  | P        | 1.1 |
| 3 | <input type="checkbox"/> | 1000.000  | 985.161    | 218554.24   | 0.2884  | P        | 0.2 |
| 4 | <input type="checkbox"/> | 2500.000  | 2440.880   | 518707.53   | 0.7141  | P        | 0.1 |
| 5 | <input type="checkbox"/> | 5000.000  | 4765.851   | 939053.63   | 1.3941  | P        | 0.6 |
| 6 | <input type="checkbox"/> | 10000.000 | 9756.375   | 1790611.17  | 2.8537  | A        | 0.6 |
| 7 | <input type="checkbox"/> | 20000.000 | 19227.341  | 3421025.10  | 5.6236  | A        | 0.9 |
| 8 | <input type="checkbox"/> | 100000.00 | 100192.22  | 17965622.62 | 29.3034 | A        | 1.8 |

$$y = 2.9247\text{E-}004 * x + 2.4124\text{E-}004$$

$$R = 1.0000$$

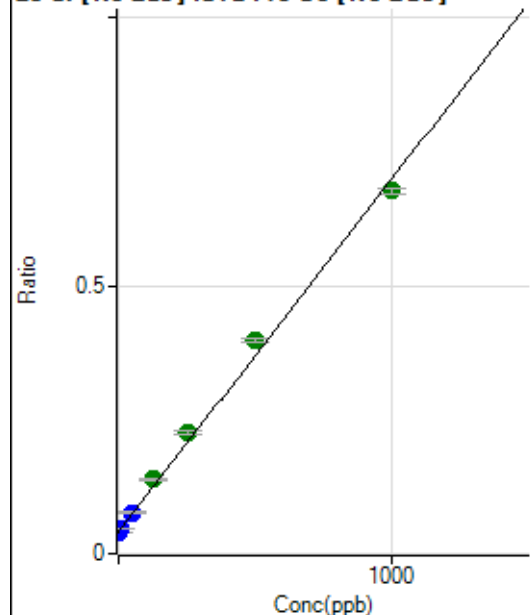
$$DL = 0.168$$

$$BEC = 0.8248$$

Weight: <None>

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 387977.71  | 0.0409 | P   | 1.1 |
| 2 | <input type="checkbox"/> | 10.000   | 9.396      | 458186.32  | 0.0471 | P   | 1.3 |
| 3 | <input type="checkbox"/> | 50.000   | 54.299     | 745633.35  | 0.0767 | P   | 1.5 |
| 4 | <input type="checkbox"/> | 125.000  | 148.935    | 1263915.02 | 0.1389 | A   | 1.6 |
| 5 | <input type="checkbox"/> | 250.000  | 282.485    | 1986976.06 | 0.2268 | A   | 3.2 |
| 6 | <input type="checkbox"/> | 500.000  | 542.901    | 3239849.51 | 0.3981 | A   | 2.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 967.228    | 5292195.48 | 0.6772 | A   | 1.8 |
| 8 | <input type="checkbox"/> |          |            | 1862145.14 | 0.2499 | A   | 8.6 |

$$y = 6.5787\text{E-}004 * x + 0.0409$$

$$R = 0.9978$$

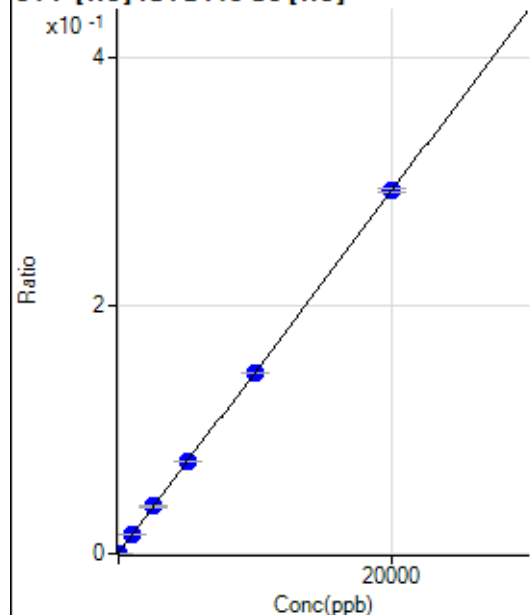
$$DL = 2.02$$

$$BEC = 62.22$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | -9.656     | 261.12    | 0.0003 | P   | 10.9 |
| 2 | <input type="checkbox"/> | 0.000     | 9.656      | 480.58    | 0.0006 | P   | 10.1 |
| 3 | <input type="checkbox"/> | 1000.000  | 1056.433   | 12046.69  | 0.0159 | P   | 4.3  |
| 4 | <input type="checkbox"/> | 2500.000  | 2588.023   | 27770.18  | 0.0382 | P   | 1.5  |
| 5 | <input type="checkbox"/> | 5000.000  | 5075.900   | 50196.49  | 0.0745 | P   | 1.2  |
| 6 | <input type="checkbox"/> | 10000.000 | 9931.325   | 91190.45  | 0.1453 | P   | 0.3  |
| 7 | <input type="checkbox"/> | 20000.000 | 20001.538  | 177766.93 | 0.2922 | P   | 1.1  |
| 8 | <input type="checkbox"/> |           |            | 836.15    | 0.0014 | P   | 7.4  |

$$y = 1.4586\text{E-}005 * x + 4.8445\text{E-}004$$

$$R = 1.0000$$

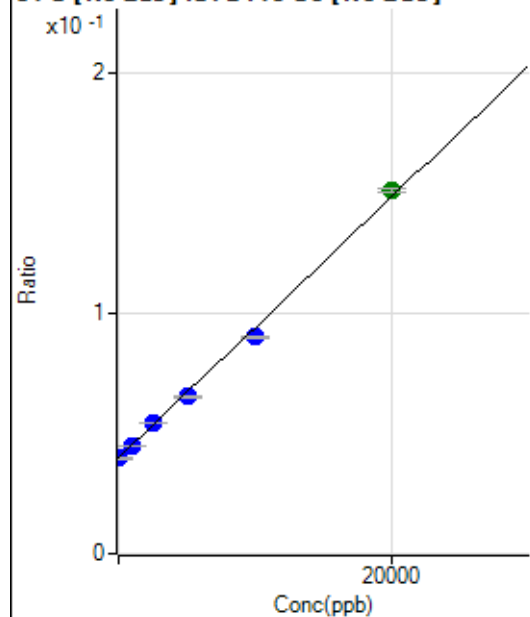
$$DL = 10.33$$

$$BEC = 33.21$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 20.626     | 379707.48  | 0.0401 | P   | 0.6 |
| 2 | <input type="checkbox"/> | 0.000     | -20.626    | 387387.63  | 0.0398 | P   | 1.4 |
| 3 | <input type="checkbox"/> | 1000.000  | 954.586    | 439098.51  | 0.0451 | P   | 0.4 |
| 4 | <input type="checkbox"/> | 2500.000  | 2675.404   | 495848.60  | 0.0545 | P   | 0.6 |
| 5 | <input type="checkbox"/> | 5000.000  | 4693.412   | 573855.11  | 0.0655 | P   | 0.9 |
| 6 | <input type="checkbox"/> | 10000.000 | 9226.752   | 733620.39  | 0.0901 | P   | 0.6 |
| 7 | <input type="checkbox"/> | 20000.000 | 20443.616  | 1181249.01 | 0.1511 | A   | 0.9 |
| 8 | <input type="checkbox"/> |           |            | 280518.16  | 0.0377 | P   | 0.9 |

$$y = 5.4395E-006 * x + 0.0399$$

$$R = 0.9987$$

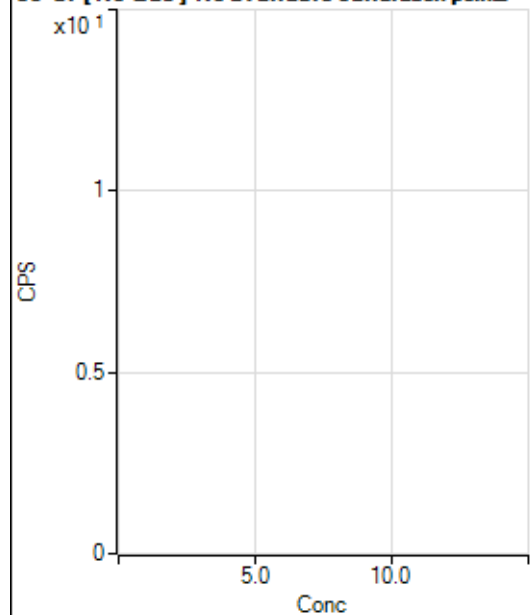
$$DL = 216$$

$$BEC = 7343$$

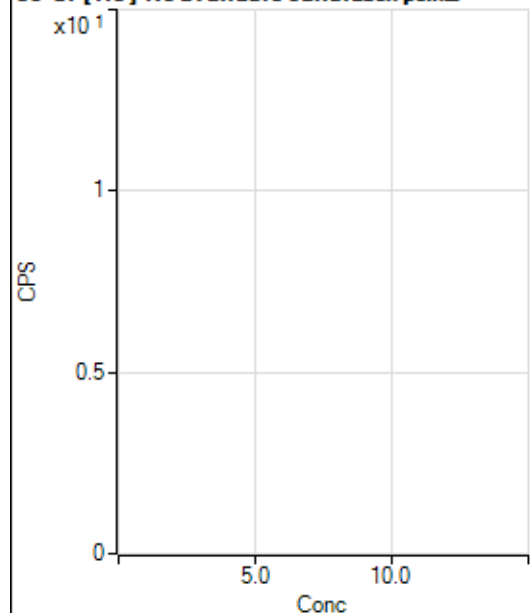
Weight: &lt;None&gt;

Min Conc: 0

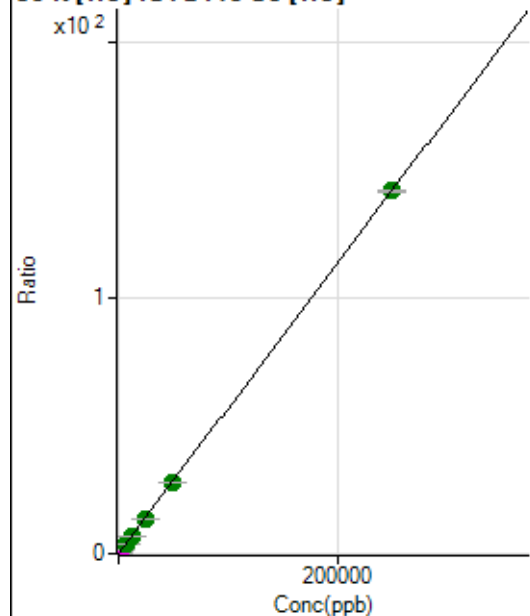
35 Cl [No Gas] No available calibration points



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

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

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

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 61393.96    | 0.0808   | P        | 1.6 |
| 2 | <input type="checkbox"/> | 500.000   | 532.220    | 293621.32   | 0.3819   | P        | 1.2 |
| 3 | <input type="checkbox"/> | 2500.000  | 2658.452   | 1201235.63  | 1.5850   | M        | 2.3 |
| 4 | <input type="checkbox"/> | 6250.000  | 6276.945   | 2638282.13  | 3.6323   | A        | 1.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 12232.740  | 4716493.73  | 7.0022   | A        | 0.9 |
| 6 | <input type="checkbox"/> | 25000.000 | 24280.099  | 8671087.69  | 13.8188  | A        | 0.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 48943.163  | 16895215.13 | 27.7735  | A        | 1.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 250294.39  | 86883708.89 | 141.7010 | A        | 0.5 |

$$y = 5.6581E-004 * x + 0.0808$$

$$R = 1.0000$$

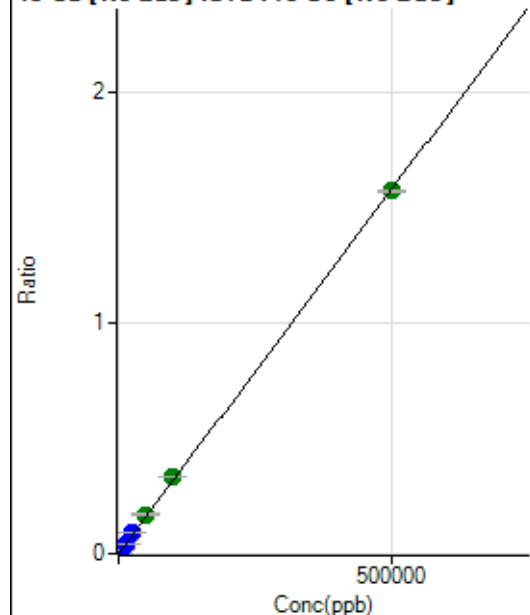
$$DL = 6.888$$

$$BEC = 142.7$$

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      | 216.67      | 0.0000 | P    | 17.8 |
| 2 | <input type="checkbox"/> | 500.000   | 501.111    | 15591.73    | 0.0016 | P    | 1.6  |
| 3 | <input type="checkbox"/> | 5000.000  | 5683.337   | 174575.96   | 0.0179 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 12500.000 | 14164.927  | 406644.23   | 0.0447 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 25000.000 | 27896.035  | 771208.96   | 0.0880 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 50000.000 | 53934.408  | 1384561.85  | 0.1701 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 100000.00 | 106194.27  | 2617235.78  | 0.3349 | A    | 1.3  |
| 8 | <input type="checkbox"/> | 500000.00 | 498174.44  | 11703607.81 | 1.5711 | A    | 0.5  |

$$y = 3.1536\text{E-}006 * x + 2.2863\text{E-}005$$

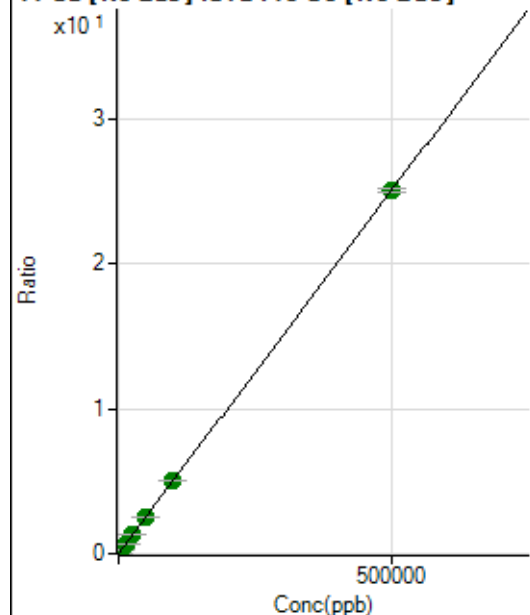
$$R = 0.9999$$

$$DL = 3.882$$

$$BEC = 7.25$$

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      | 10062.02    | 0.0011  | P    | 9.2 |
| 2 | <input type="checkbox"/> | 500.000   | 498.375    | 253024.95   | 0.0260  | P    | 1.1 |
| 3 | <input type="checkbox"/> | 5000.000  | 5214.969   | 2550470.76  | 0.2622  | A    | 1.1 |
| 4 | <input type="checkbox"/> | 12500.000 | 12877.463  | 5876428.34  | 0.6459  | A    | 0.9 |
| 5 | <input type="checkbox"/> | 25000.000 | 25474.398  | 11188844.26 | 1.2766  | A    | 0.6 |
| 6 | <input type="checkbox"/> | 50000.000 | 50775.464  | 20701402.03 | 2.5435  | A    | 1.0 |
| 7 | <input type="checkbox"/> | 100000.00 | 101020.04  | 39536536.30 | 5.0593  | A    | 0.9 |
| 8 | <input type="checkbox"/> | 500000.00 | 499683.14  | 186394505.5 | 25.0210 | A    | 0.9 |

$$y = 5.0072\text{E-}005 * x + 0.0011$$

$$R = 1.0000$$

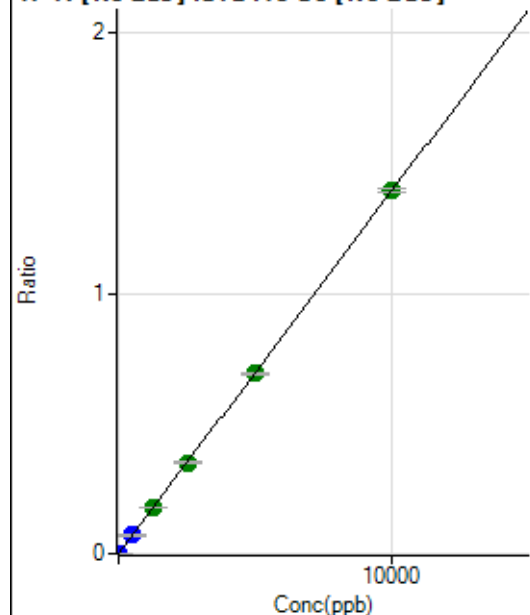
$$DL = 5.834$$

$$BEC = 21.2$$

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 | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 166.67      | 0.0000 | P   | 33.0 |
| 2 | <input type="checkbox"/> | 5.000     | 4.942      | 6860.03     | 0.0007 | P   | 1.7  |
| 3 | <input type="checkbox"/> | 500.000   | 505.321    | 684324.03   | 0.0703 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 1250.000  | 1278.823   | 1619616.74  | 0.1780 | A   | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2506.125   | 3057212.61  | 0.3488 | A   | 1.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 4967.493   | 5627151.56  | 0.6914 | A   | 1.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 10010.853  | 10888311.79 | 1.3933 | A   | 1.2  |
| 8 | <input type="checkbox"/> |           |            | 34258.91    | 0.0046 | P   | 3.2  |

$$y = 1.3918\text{E-}004 * x + 1.7591\text{E-}005$$

$$R = 1.0000$$

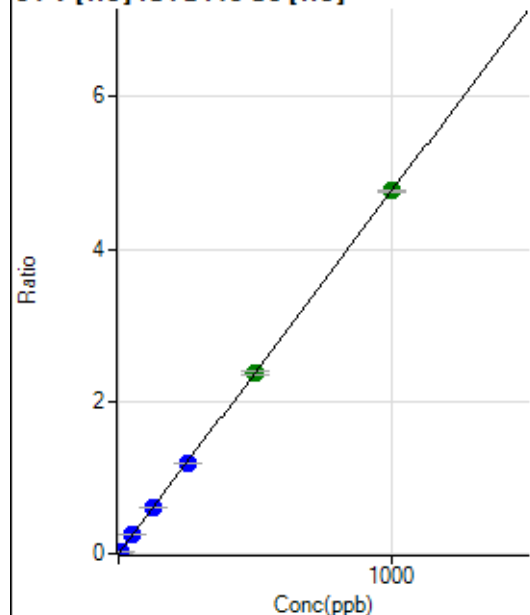
$$DL = 0.1252$$

$$BEC = 0.1264$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.67       | 0.0000 | P   | 49.4 |
| 2 | <input type="checkbox"/> | 5.000    | 4.995      | 18291.18   | 0.0238 | P   | 0.7  |
| 3 | <input type="checkbox"/> | 50.000   | 50.837     | 183439.55  | 0.2420 | P   | 0.1  |
| 4 | <input type="checkbox"/> | 125.000  | 125.705    | 434700.49  | 0.5985 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 249.834    | 801195.34  | 1.1894 | P   | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 498.492    | 1489043.52 | 2.3733 | A   | 2.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.665   | 2898228.98 | 4.7641 | A   | 0.2  |
| 8 | <input type="checkbox"/> |          |            | 9731.00    | 0.0159 | P   | 4.8  |

$$y = 0.0048 * x + 8.7480\text{E-}006$$

$$R = 1.0000$$

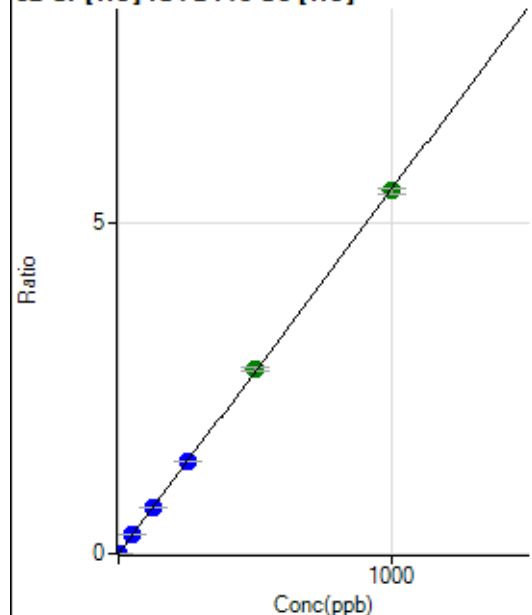
$$DL = 0.002724$$

$$BEC = 0.001837$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1465.64    | 0.0019 | P   | 2.8 |
| 2 | <input type="checkbox"/> | 2.000    | 1.998      | 9935.56    | 0.0129 | P   | 1.2 |
| 3 | <input type="checkbox"/> | 50.000   | 51.531     | 216450.99  | 0.2856 | P   | 0.2 |
| 4 | <input type="checkbox"/> | 125.000  | 127.491    | 511152.12  | 0.7037 | P   | 0.5 |
| 5 | <input type="checkbox"/> | 250.000  | 252.641    | 938093.21  | 1.3927 | P   | 0.2 |
| 6 | <input type="checkbox"/> | 500.000  | 505.899    | 1748526.73 | 2.7868 | A   | 1.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 996.002    | 3336534.39 | 5.4847 | A   | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 20895.71   | 0.0341 | P   | 1.2 |

$$y = 0.0055 * x + 0.0019$$

$$R = 1.0000$$

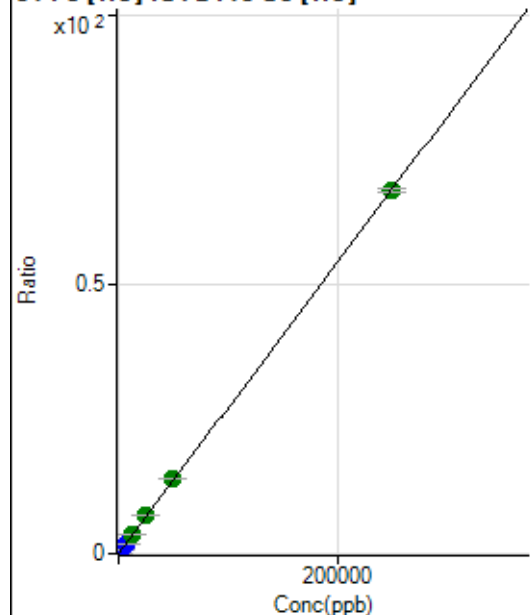
$$DL = 0.02927$$

$$BEC = 0.3502$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1575.04     | 0.0021  | P   | 6.5 |
| 2 | <input type="checkbox"/> | 50.000    | 53.476     | 12688.41    | 0.0165  | P   | 3.2 |
| 3 | <input type="checkbox"/> | 2500.000  | 2758.653   | 565746.38   | 0.7465  | P   | 0.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6814.885   | 1337214.68  | 1.8410  | P   | 0.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 13077.099  | 2378370.00  | 3.5308  | A   | 1.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 26005.213  | 4404343.56  | 7.0193  | A   | 0.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 51903.774  | 8521380.98  | 14.0077 | A   | 0.5 |
| 8 | <input type="checkbox"/> | 250000.00 | 249473.15  | 41275365.16 | 67.3196 | A   | 1.2 |

$$y = 2.6984E-004 * x + 0.0021$$

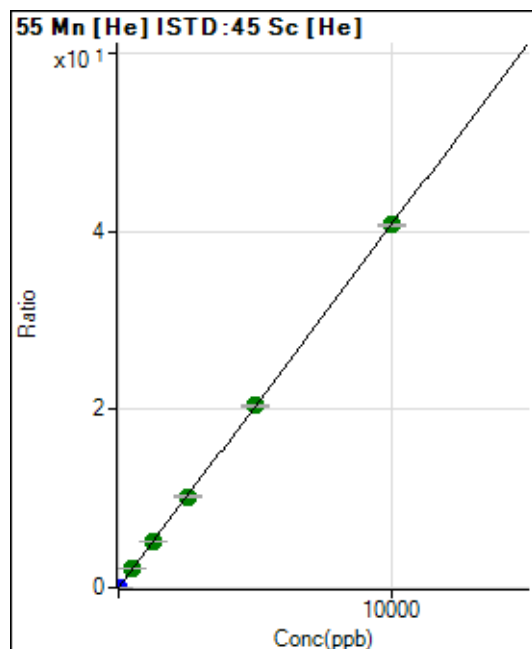
$$R = 1.0000$$

$$DL = 1.489$$

$$BEC = 7.676$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 375.56      | 0.0005  | P    | 9.4 |
| 2 | <input type="checkbox"/> | 1.000     | 1.066      | 3714.93     | 0.0048  | P    | 3.1 |
| 3 | <input type="checkbox"/> | 500.000   | 512.563    | 1581667.60  | 2.0869  | A    | 1.0 |
| 4 | <input type="checkbox"/> | 1250.000  | 1258.713   | 3721960.46  | 5.1242  | A    | 0.2 |
| 5 | <input type="checkbox"/> | 2500.000  | 2504.079   | 6866247.05  | 10.1936 | A    | 1.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 5005.940   | 12786529.81 | 20.3776 | A    | 0.7 |
| 7 | <input type="checkbox"/> | 10000.000 | 9994.293   | 24748842.13 | 40.6831 | A    | 0.6 |
| 8 | <input type="checkbox"/> |           |            | 91262.31    | 0.1488  | P    | 1.2 |

$$y = 0.0041 * x + 4.9420E-004$$

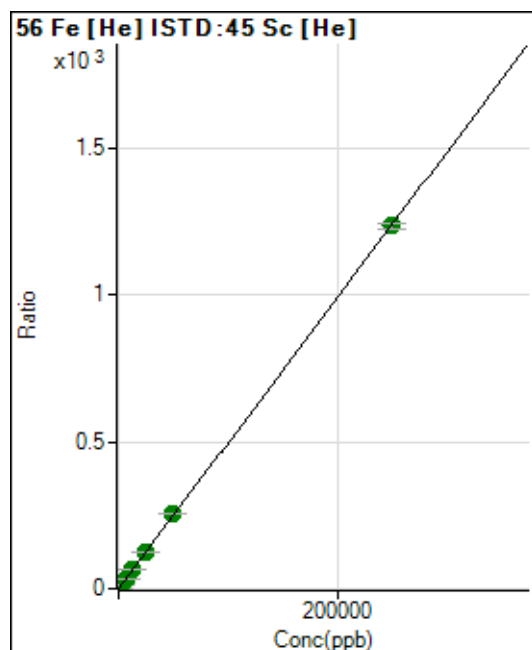
$$R = 1.0000$$

$$DL = 0.03427$$

$$BEC = 0.1214$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 17269.40    | 0.0227    | P    | 1.2 |
| 2 | <input type="checkbox"/> | 50.000    | 51.731     | 213962.01   | 0.2783    | P    | 1.0 |
| 3 | <input type="checkbox"/> | 2500.000  | 2630.169   | 9866014.57  | 13.0175   | A    | 0.8 |
| 4 | <input type="checkbox"/> | 6250.000  | 6524.014   | 23429314.87 | 32.2558   | A    | 0.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 12851.556  | 42784974.10 | 63.5182   | A    | 1.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 25687.634  | 79645695.30 | 126.9371  | A    | 0.1 |
| 7 | <input type="checkbox"/> | 50000.000 | 51240.492  | 154019805.2 | 253.1857  | A    | 0.9 |
| 8 | <input type="checkbox"/> | 250000.00 | 249657.40  | 756269194.6 | 1,233.500 | A    | 1.3 |

$$y = 0.0049 * x + 0.0227$$

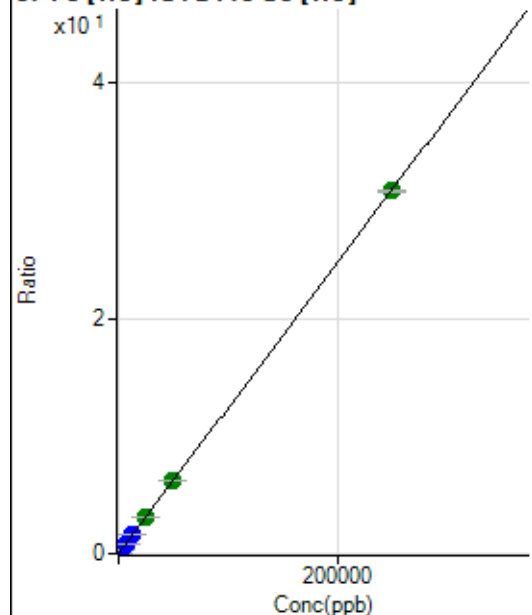
$$R = 1.0000$$

$$DL = 0.1722$$

$$BEC = 4.598$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 638.92      | 0.0008  | P    | 10.4 |
| 2 | <input type="checkbox"/> | 50.000    | 53.472     | 5719.69     | 0.0074  | P    | 2.6  |
| 3 | <input type="checkbox"/> | 2500.000  | 2657.998   | 249227.04   | 0.3288  | P    | 0.3  |
| 4 | <input type="checkbox"/> | 6250.000  | 6623.902   | 594320.69   | 0.8182  | P    | 0.6  |
| 5 | <input type="checkbox"/> | 12500.000 | 12992.371  | 1080542.00  | 1.6041  | P    | 1.2  |
| 6 | <input type="checkbox"/> | 25000.000 | 25669.053  | 1987945.50  | 3.1684  | A    | 0.7  |
| 7 | <input type="checkbox"/> | 50000.000 | 50562.021  | 3796187.38  | 6.2403  | A    | 0.6  |
| 8 | <input type="checkbox"/> | 250000.00 | 249785.14  | 18899878.43 | 30.8248 | A    | 0.6  |

$$y = 1.2340\text{E-}004 * x + 8.4079\text{E-}004$$

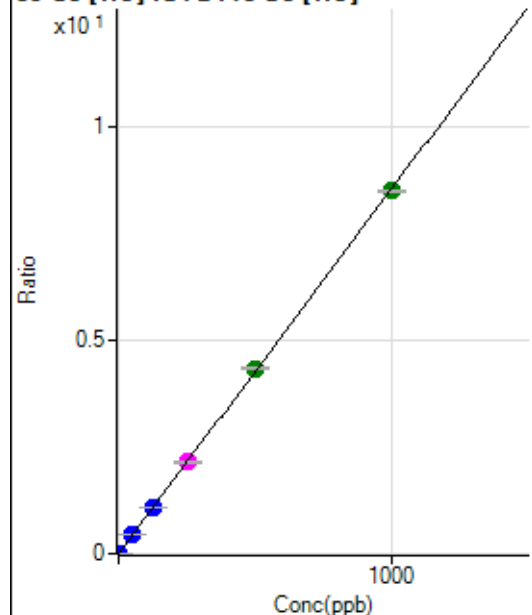
$$R = 1.0000$$

$$DL = 2.127$$

$$BEC = 6.813$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 140.00     | 0.0002 | P    | 16.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.032      | 6918.32    | 0.0090 | P    | 1.7  |
| 3 | <input type="checkbox"/> | 50.000   | 51.978     | 336711.72  | 0.4443 | P    | 0.2  |
| 4 | <input type="checkbox"/> | 125.000  | 127.596    | 791948.33  | 1.0903 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 251.832    | 1449410.78 | 2.1518 | M    | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 508.364    | 2725217.77 | 4.3435 | A    | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.936    | 5171254.09 | 8.5007 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 30319.58   | 0.0494 | P    | 0.3  |

$$y = 0.0085 * x + 1.8405\text{E-}004$$

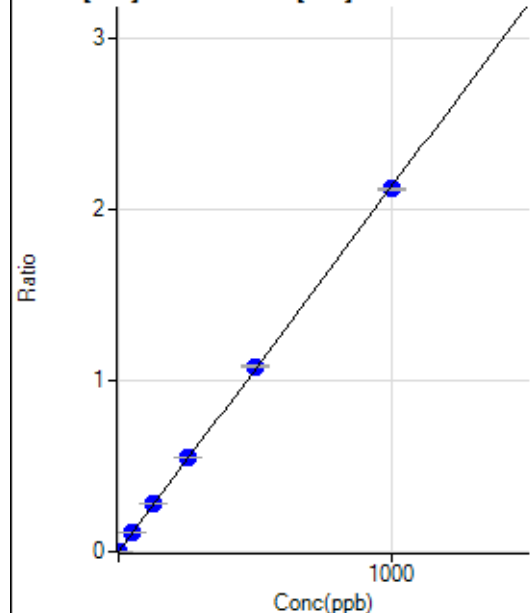
$$R = 0.9999$$

$$DL = 0.01081$$

$$BEC = 0.02154$$

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      | 118.89     | 0.0002 | P        | 11.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.115      | 1951.26    | 0.0025 | P        | 4.7  |
| 3 | <input type="checkbox"/> | 50.000   | 54.520     | 88373.68   | 0.1166 | P        | 0.3  |
| 4 | <input type="checkbox"/> | 125.000  | 131.736    | 204479.42  | 0.2815 | P        | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 257.588    | 370690.84  | 0.5503 | P        | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 506.368    | 678637.06  | 1.0817 | P        | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.851    | 1291402.70 | 2.1229 | P        | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 8735.94    | 0.0142 | P        | 0.1  |

$$y = 0.0021 * x + 1.5641E-004$$

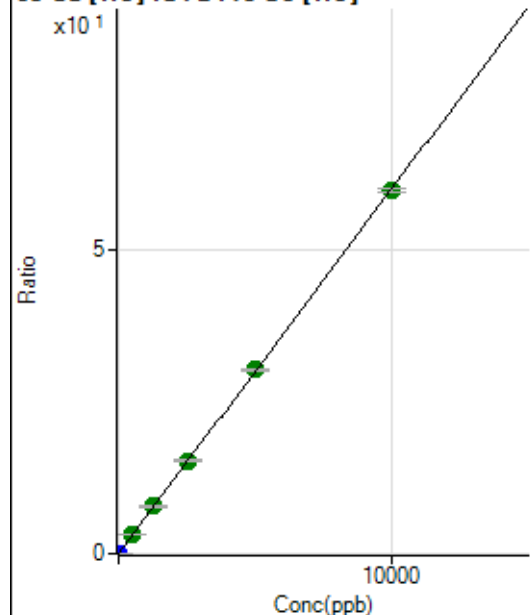
$$R = 0.9999$$

$$DL = 0.0262$$

$$BEC = 0.07323$$

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      | 1068.94     | 0.0014  | P        | 9.3 |
| 2 | <input type="checkbox"/> | 2.000     | 2.198      | 11199.83    | 0.0146  | P        | 2.8 |
| 3 | <input type="checkbox"/> | 500.000   | 536.412    | 2435114.32  | 3.2129  | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1250.000  | 1300.887   | 5657897.90  | 7.7899  | A        | 1.4 |
| 5 | <input type="checkbox"/> | 2500.000  | 2551.406   | 10290178.74 | 15.2769 | A        | 1.4 |
| 6 | <input type="checkbox"/> | 5000.000  | 5056.043   | 18992897.21 | 30.2724 | A        | 0.9 |
| 7 | <input type="checkbox"/> | 10000.000 | 9950.945   | 36242795.01 | 59.5786 | A        | 1.2 |
| 8 | <input type="checkbox"/> |           |            | 109792.47   | 0.1791  | P        | 0.5 |

$$y = 0.0060 * x + 0.0014$$

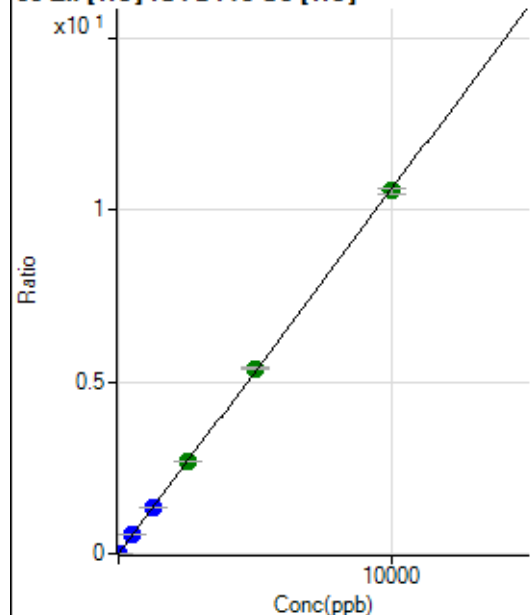
$$R = 1.0000$$

$$DL = 0.06563$$

$$BEC = 0.2348$$

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      | 377.79     | 0.0005  | P        | 8.8 |
| 2 | <input type="checkbox"/> | 2.000     | 2.604      | 2505.79    | 0.0033  | P        | 3.1 |
| 3 | <input type="checkbox"/> | 500.000   | 521.030    | 419364.59  | 0.5533  | P        | 0.2 |
| 4 | <input type="checkbox"/> | 1250.000  | 1271.821   | 980478.48  | 1.3499  | P        | 1.3 |
| 5 | <input type="checkbox"/> | 2500.000  | 2527.888   | 1807005.46 | 2.6827  | A        | 0.8 |
| 6 | <input type="checkbox"/> | 5000.000  | 5070.646   | 3375780.30 | 5.3806  | A        | 1.0 |
| 7 | <input type="checkbox"/> | 10000.000 | 9953.926   | 6424976.99 | 10.5619 | A        | 1.4 |
| 8 | <input type="checkbox"/> |           |            | 31995.33   | 0.0522  | P        | 1.1 |

$$y = 0.0011 * x + 4.9706E-004$$

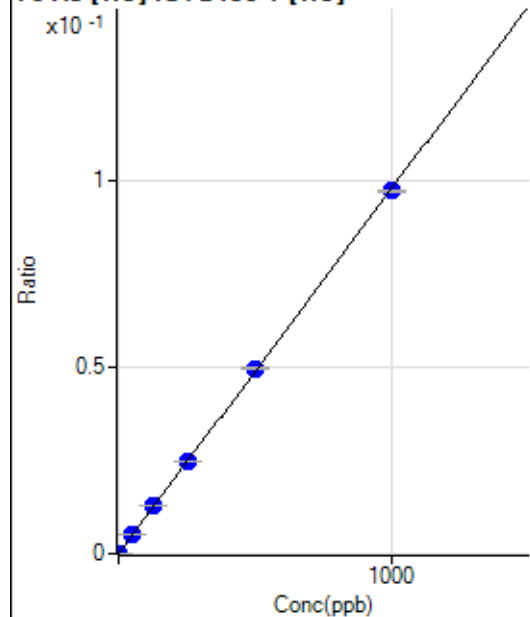
$$R = 1.0000$$

$$DL = 0.1244$$

$$BEC = 0.4685$$

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      | 24.69     | 0.0000 | P        | 44.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.068      | 535.81    | 0.0001 | P        | 3.6  |
| 3 | <input type="checkbox"/> | 50.000   | 54.091     | 25608.45  | 0.0053 | P        | 3.8  |
| 4 | <input type="checkbox"/> | 125.000  | 129.912    | 60358.73  | 0.0127 | P        | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 253.971    | 111627.77 | 0.0249 | P        | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 507.746    | 207653.69 | 0.0497 | P        | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.316    | 404379.22 | 0.0974 | P        | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 1329.08   | 0.0003 | P        | 2.3  |

$$y = 9.7947E-005 * x + 5.1601E-006$$

$$R = 0.9999$$

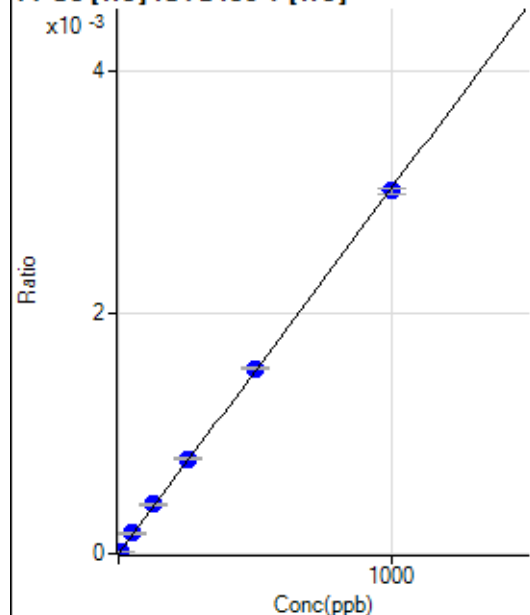
$$DL = 0.06962$$

$$BEC = 0.05268$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<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    | 5.857      | 86.67    | 0.0000 | P   | 18.1 |
| 3 | <input type="checkbox"/> | 50.000   | 57.136     | 837.81   | 0.0002 | P   | 9.7  |
| 4 | <input type="checkbox"/> | 125.000  | 134.810    | 1939.04  | 0.0004 | P   | 6.4  |
| 5 | <input type="checkbox"/> | 250.000  | 259.794    | 3536.02  | 0.0008 | P   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 506.104    | 6410.33  | 0.0015 | P   | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.912    | 12506.48 | 0.0030 | P   | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 41.11    | 0.0000 | P   | 24.9 |

$$y = 3.0337\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

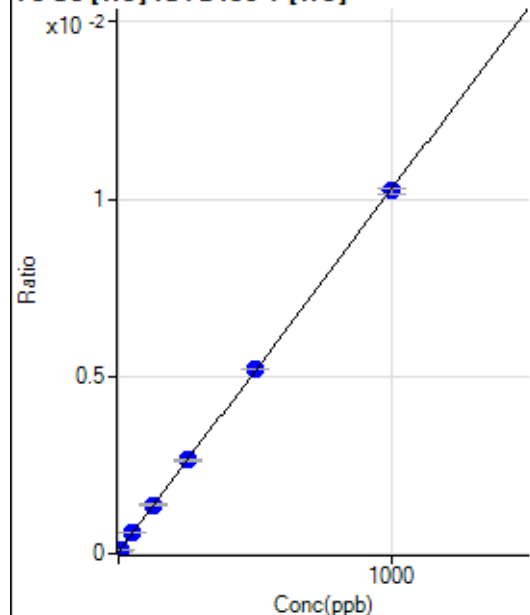
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 237.65   | 0.0000 | P   | 9.8  |
| 2 | <input type="checkbox"/> | 5.000    | 5.837      | 533.35   | 0.0001 | P   | 6.0  |
| 3 | <input type="checkbox"/> | 50.000   | 54.743     | 2944.14  | 0.0006 | P   | 3.3  |
| 4 | <input type="checkbox"/> | 125.000  | 129.733    | 6526.15  | 0.0014 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 253.940    | 11873.94 | 0.0026 | P   | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 505.450    | 21788.22 | 0.0052 | P   | 0.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.457    | 42472.86 | 0.0102 | P   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 308.65   | 0.0001 | P   | 10.9 |

$$y = 1.0227\text{E-}005 * x + 4.9597\text{E-}005$$

$$R = 1.0000$$

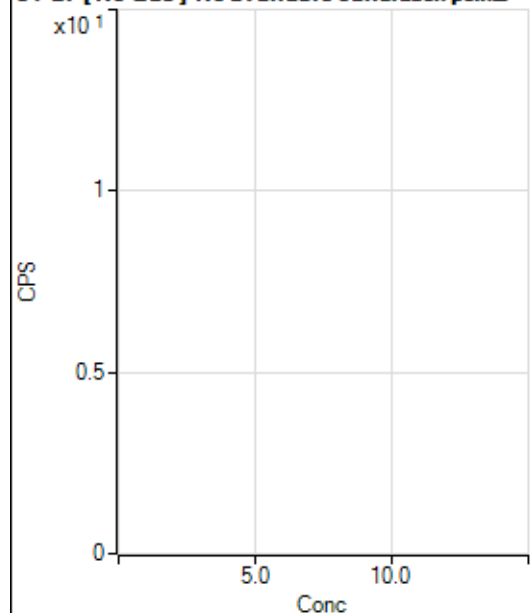
$$DL = 1.424$$

$$BEC = 4.85$$

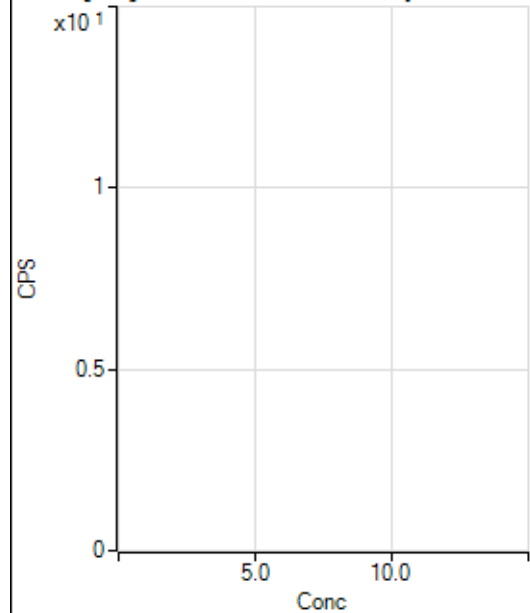
Weight: &lt;None&gt;

Min Conc: 0

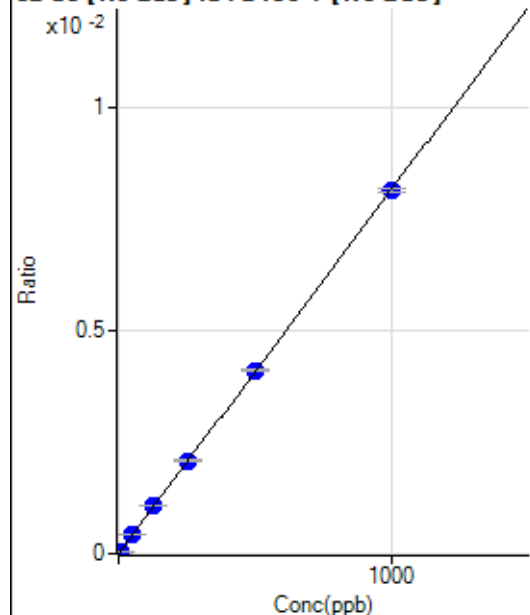


**81 Br [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 16926.75 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> |       |            | 17043.70 |       | P        | 4.5 |
| 3 | <input type="checkbox"/> |       |            | 17060.27 |       | P        | 2.3 |
| 4 | <input type="checkbox"/> |       |            | 16084.17 |       | P        | 1.0 |
| 5 | <input type="checkbox"/> |       |            | 14763.39 |       | P        | 3.3 |
| 6 | <input type="checkbox"/> |       |            | 13837.43 |       | P        | 4.7 |
| 7 | <input type="checkbox"/> |       |            | 13273.00 |       | P        | 2.4 |
| 8 | <input type="checkbox"/> |       |            | 12424.98 |       | P        | 2.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 130.14 |       | P        | 20.4 |
| 2 | <input type="checkbox"/> |       |            | 66.73  |       | P        | 43.3 |
| 3 | <input type="checkbox"/> |       |            | 53.39  |       | P        | 60.3 |
| 4 | <input type="checkbox"/> |       |            | 60.06  |       | P        | 60.1 |
| 5 | <input type="checkbox"/> |       |            | 80.08  |       | P        | 66.1 |
| 6 | <input type="checkbox"/> |       |            | 56.72  |       | P        | 36.7 |
| 7 | <input type="checkbox"/> |       |            | 80.08  |       | P        | 12.5 |
| 8 | <input type="checkbox"/> |       |            | 90.09  |       | P        | 33.3 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 11.07     | 0.0000 | P    | 658. |
| 2 | <input type="checkbox"/> | 5.000    | 5.120      | 861.84    | 0.0000 | P    | 8.4  |
| 3 | <input type="checkbox"/> | 50.000   | 53.482     | 8898.87   | 0.0004 | P    | 2.0  |
| 4 | <input type="checkbox"/> | 125.000  | 132.023    | 21128.89  | 0.0011 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 255.979    | 40279.28  | 0.0021 | P    | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 502.943    | 75801.25  | 0.0041 | P    | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.981    | 144555.71 | 0.0081 | P    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 531.64    | 0.0000 | P    | 7.6  |

$$y = 8.1676E-006 * x + 5.5820E-007$$

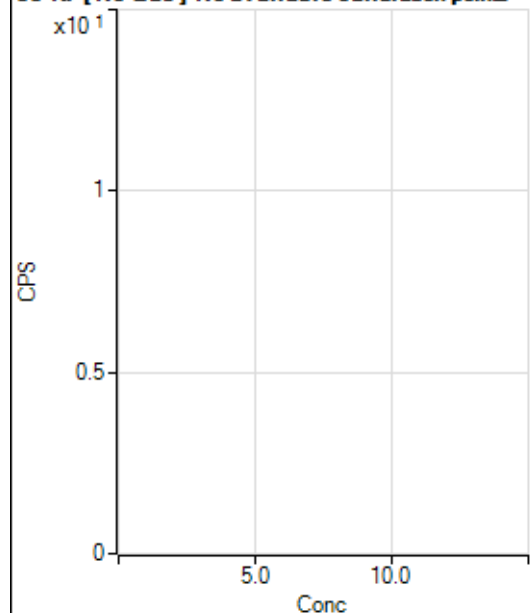
$$R = 1.0000$$

$$DL = 1.349$$

$$BEC = 0.06834$$

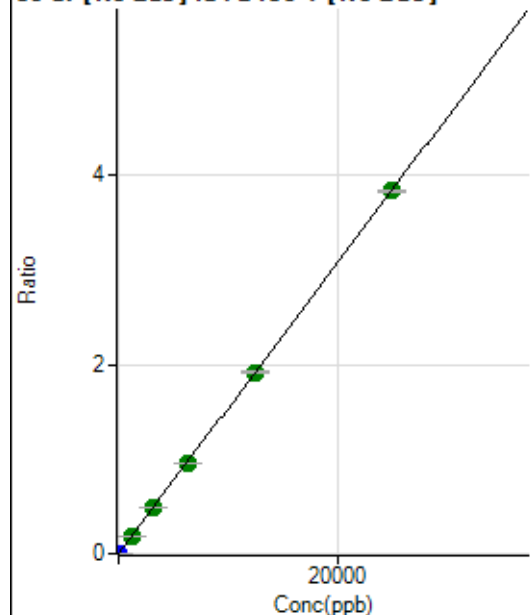
Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|--------|-------|------|-----|
| 1 | <input type="checkbox"/> |       |            | 847.81 |       | P    | 3.3 |
| 2 | <input type="checkbox"/> |       |            | 841.15 |       | P    | 6.6 |
| 3 | <input type="checkbox"/> |       |            | 838.92 |       | P    | 7.4 |
| 4 | <input type="checkbox"/> |       |            | 865.59 |       | P    | 1.8 |
| 5 | <input type="checkbox"/> |       |            | 840.03 |       | P    | 6.0 |
| 6 | <input type="checkbox"/> |       |            | 763.36 |       | P    | 2.9 |
| 7 | <input type="checkbox"/> |       |            | 757.80 |       | P    | 5.6 |
| 8 | <input type="checkbox"/> |       |            | 751.14 |       | P    | 7.0 |

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      | 1430.66     | 0.0001 | P        | 4.1 |
| 2 | <input type="checkbox"/> | 1.000     | 1.034      | 4664.76     | 0.0002 | P        | 3.4 |
| 3 | <input type="checkbox"/> | 1250.000  | 1233.830   | 3851501.91  | 0.1893 | A        | 1.0 |
| 4 | <input type="checkbox"/> | 3125.000  | 3201.105   | 9614838.93  | 0.4909 | A        | 0.7 |
| 5 | <input type="checkbox"/> | 6250.000  | 6225.299   | 18386823.33 | 0.9547 | A        | 1.4 |
| 6 | <input type="checkbox"/> | 12500.000 | 12498.844  | 35362828.22 | 1.9167 | A        | 1.5 |
| 7 | <input type="checkbox"/> | 25000.000 | 24998.049  | 68115336.25 | 3.8334 | A        | 0.2 |
| 8 | <input type="checkbox"/> |           |            | 171952.11   | 0.0105 | P        | 2.0 |

$$y = 1.5334\text{E-}004 * x + 7.0677\text{E-}005$$

$$R = 1.0000$$

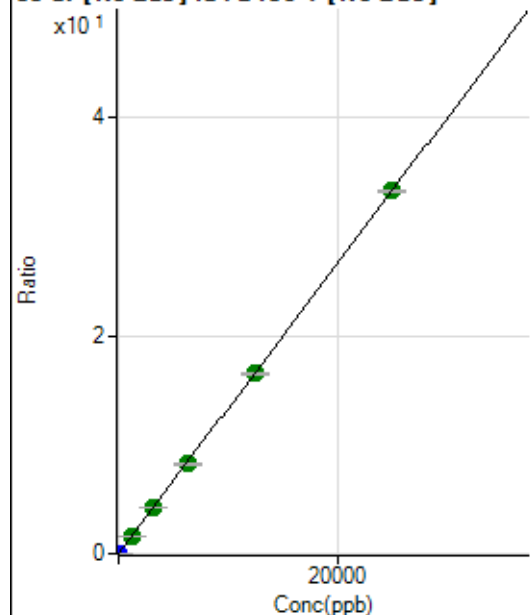
$$DL = 0.05697$$

$$BEC = 0.4609$$

Weight: &lt;None&gt;

Min Conc: 0

88 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      | 616.69      | 0.0000  | P        | 7.4 |
| 2 | <input type="checkbox"/> | 1.000     | 1.004      | 27765.70    | 0.0014  | P        | 2.8 |
| 3 | <input type="checkbox"/> | 1250.000  | 1228.579   | 33232537.90 | 1.6332  | A        | 0.3 |
| 4 | <input type="checkbox"/> | 3125.000  | 3172.305   | 82586946.29 | 4.2170  | A        | 0.8 |
| 5 | <input type="checkbox"/> | 6250.000  | 6179.669   | 158209322.9 | 8.2147  | A        | 1.8 |
| 6 | <input type="checkbox"/> | 12500.000 | 12447.643  | 305288504.0 | 16.5468 | A        | 1.4 |
| 7 | <input type="checkbox"/> | 25000.000 | 25038.919  | 591427968.7 | 33.2844 | A        | 0.7 |
| 8 | <input type="checkbox"/> |           |            | 1489478.98  | 0.0911  | A        | 1.0 |

$$y = 0.0013 * x + 3.0467\text{E-}005$$

$$R = 1.0000$$

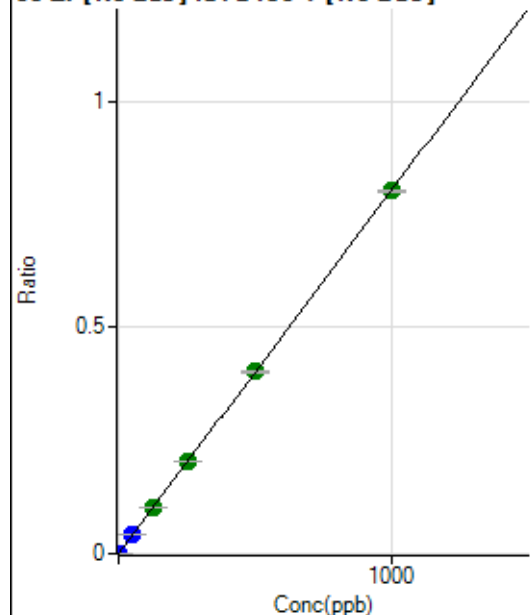
$$DL = 0.005064$$

$$BEC = 0.02292$$

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      | 922.27      | 0.0000 | P   | 6.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.985      | 17010.26    | 0.0008 | P   | 2.9 |
| 3 | <input type="checkbox"/> | 50.000   | 50.865     | 831775.18   | 0.0409 | P   | 0.2 |
| 4 | <input type="checkbox"/> | 125.000  | 128.027    | 2013598.94  | 0.1028 | A   | 2.0 |
| 5 | <input type="checkbox"/> | 250.000  | 251.654    | 3891845.18  | 0.2021 | A   | 0.2 |
| 6 | <input type="checkbox"/> | 500.000  | 501.366    | 7426627.16  | 0.4025 | A   | 0.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 998.482    | 14243067.33 | 0.8016 | A   | 0.5 |
| 8 | <input type="checkbox"/> |          |            | 49902.19    | 0.0031 | P   | 1.6 |

$$y = 8.0274\text{E-}004 * x + 4.5557\text{E-}005$$

$$R = 1.0000$$

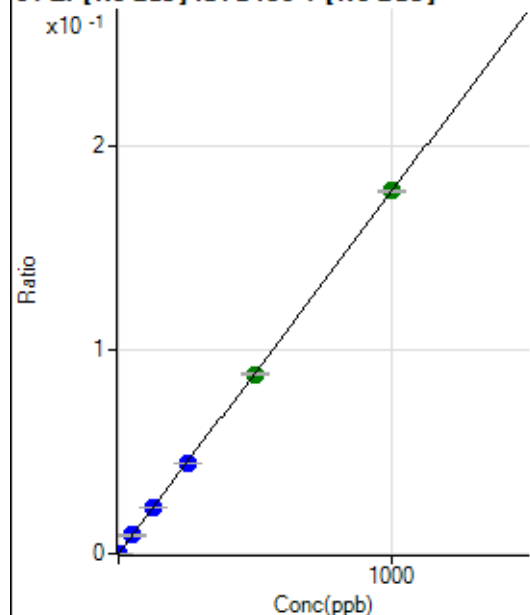
$$DL = 0.01161$$

$$BEC = 0.05675$$

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      | 172.23     | 0.0000 | P   | 5.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.972      | 3681.11    | 0.0002 | P   | 5.9 |
| 3 | <input type="checkbox"/> | 50.000   | 50.514     | 182533.31  | 0.0090 | P   | 0.7 |
| 4 | <input type="checkbox"/> | 125.000  | 127.161    | 442020.57  | 0.0226 | P   | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 251.815    | 860695.26  | 0.0447 | P   | 0.3 |
| 6 | <input type="checkbox"/> | 500.000  | 494.747    | 1619762.83 | 0.0878 | A   | 0.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.877   | 3158746.99 | 0.1778 | A   | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 10987.67   | 0.0007 | P   | 0.9 |

$$y = 1.7742\text{E-}004 * x + 8.5098\text{E-}006$$

$$R = 1.0000$$

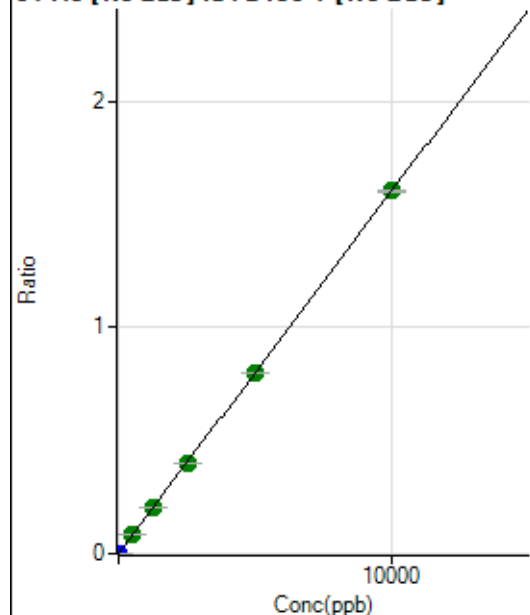
$$DL = 0.008255$$

$$BEC = 0.04796$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 344.46      | 0.0000 | P        | 19.3 |
| 2 | <input type="checkbox"/> | 5.000     | 5.888      | 19521.84    | 0.0010 | P        | 2.5  |
| 3 | <input type="checkbox"/> | 500.000   | 513.752    | 1673970.97  | 0.0823 | A        | 0.4  |
| 4 | <input type="checkbox"/> | 1250.000  | 1269.679   | 3981257.99  | 0.2033 | A        | 0.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2505.802   | 7726982.12  | 0.4012 | A        | 0.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 4974.303   | 14693902.24 | 0.7964 | A        | 0.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 10008.250  | 28470415.91 | 1.6023 | A        | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 89727.92    | 0.0055 | P        | 1.8  |

$$y = 1.6009\text{E-}004 * x + 1.7012\text{E-}005$$

$$R = 1.0000$$

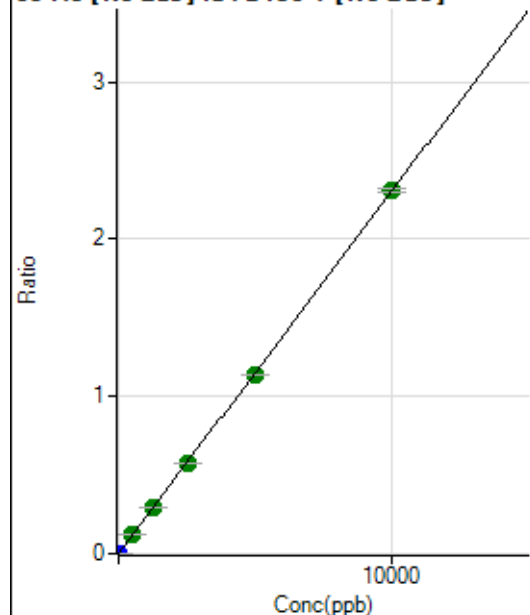
$$DL = 0.06142$$

$$BEC = 0.1063$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 133.33      | 0.0000 | P        | 28.9 |
| 2 | <input type="checkbox"/> | 5.000     | 5.065      | 23858.87    | 0.0012 | P        | 0.4  |
| 3 | <input type="checkbox"/> | 500.000   | 513.274    | 2404882.41  | 0.1182 | A        | 1.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1271.383   | 5732982.07  | 0.2927 | A        | 1.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2496.611   | 11071128.11 | 0.5748 | A        | 1.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4960.377   | 21072725.47 | 1.1421 | A        | 0.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 10017.322  | 40981632.17 | 2.3064 | A        | 1.2  |
| 8 | <input type="checkbox"/> |           |            | 125368.15   | 0.0077 | P        | 1.9  |

$$y = 2.3024\text{E-}004 * x + 6.5912\text{E-}006$$

$$R = 1.0000$$

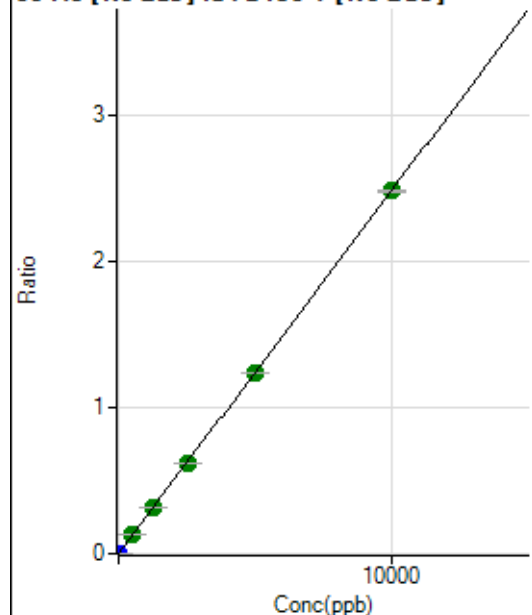
$$DL = 0.02479$$

$$BEC = 0.02863$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 200.01      | 0.0000 | P        | 17.7 |
| 2 | <input type="checkbox"/> | 5.000     | 5.136      | 26121.09    | 0.0013 | P        | 0.4  |
| 3 | <input type="checkbox"/> | 500.000   | 514.088    | 2595211.80  | 0.1275 | A        | 1.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1277.546   | 6206607.04  | 0.3169 | A        | 0.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2498.870   | 11938631.52 | 0.6199 | A        | 1.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 4994.641   | 22860524.64 | 1.2390 | A        | 0.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 9998.814   | 44072136.40 | 2.4803 | A        | 0.7  |
| 8 | <input type="checkbox"/> |           |            | 141476.59   | 0.0087 | P        | 1.0  |

$$y = 2.4806\text{E-}004 * x + 9.8762\text{E-}006$$

$$R = 1.0000$$

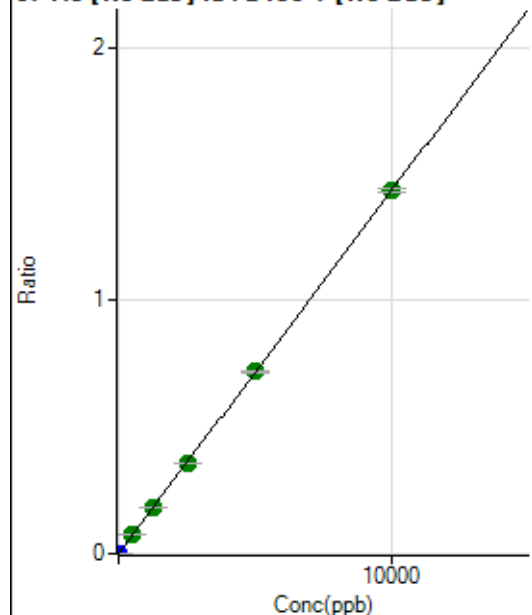
$$DL = 0.02108$$

$$BEC = 0.03981$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 69.45       | 0.0000 | P        | 30.6 |
| 2 | <input type="checkbox"/> | 5.000     | 5.161      | 15122.06    | 0.0007 | P        | 3.3  |
| 3 | <input type="checkbox"/> | 500.000   | 519.009    | 1513864.48  | 0.0744 | A        | 0.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1267.986   | 3559580.98  | 0.1818 | A        | 1.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2490.035   | 6874346.77  | 0.3569 | A        | 1.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 5007.971   | 13244876.95 | 0.7178 | A        | 0.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 9995.307   | 25457708.90 | 1.4327 | A        | 1.2  |
| 8 | <input type="checkbox"/> |           |            | 79133.63    | 0.0048 | P        | 0.7  |

$$y = 1.4334\text{E-}004 * x + 3.4343\text{E-}006$$

$$R = 1.0000$$

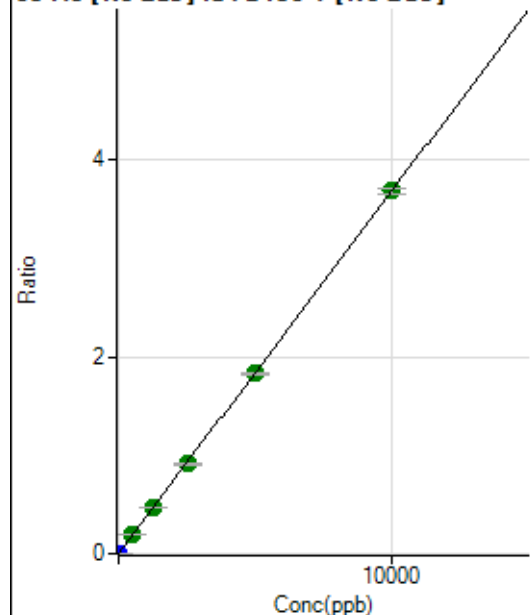
$$DL = 0.02201$$

$$BEC = 0.02396$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 213.90      | 0.0000 | P        | 58.6 |
| 2 | <input type="checkbox"/> | 5.000     | 5.023      | 37824.59    | 0.0019 | P        | 1.3  |
| 3 | <input type="checkbox"/> | 500.000   | 508.671    | 3809738.71  | 0.1872 | A        | 0.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1262.014   | 9097086.92  | 0.4645 | A        | 0.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2484.208   | 17609965.50 | 0.9143 | A        | 1.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 4972.501   | 33768142.07 | 1.8302 | A        | 1.0  |
| 7 | <input type="checkbox"/> | 10000.000 | 10015.762  | 65502181.33 | 3.6864 | A        | 1.5  |
| 8 | <input type="checkbox"/> |           |            | 200499.18   | 0.0123 | P        | 1.1  |

$$y = 3.6806\text{E-}004 * x + 1.0564\text{E-}005$$

$$R = 1.0000$$

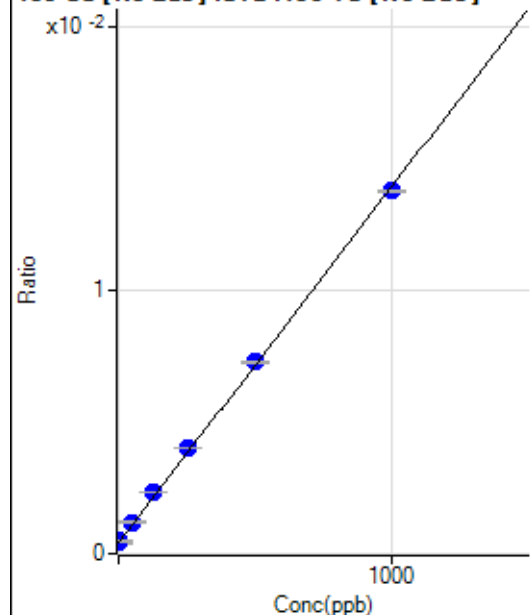
$$DL = 0.05042$$

$$BEC = 0.0287$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-----------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 7213.08   | 0.0004 | P        | 3.4 |
| 2 | <input type="checkbox"/> | 1.000    | 5.547      | 8472.15   | 0.0005 | P        | 3.9 |
| 3 | <input type="checkbox"/> | 50.000   | 58.857     | 21652.85  | 0.0012 | P        | 2.1 |
| 4 | <input type="checkbox"/> | 125.000  | 140.941    | 40331.90  | 0.0023 | P        | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 267.540    | 70823.46  | 0.0040 | P        | 1.3 |
| 6 | <input type="checkbox"/> | 500.000  | 507.795    | 125869.27 | 0.0073 | P        | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 989.278    | 235415.49 | 0.0138 | P        | 0.3 |
| 8 | <input type="checkbox"/> |          |            | 7043.57   | 0.0004 | P        | 2.5 |

$$y = 1.3520\text{E-}005 * x + 4.0809\text{E-}004$$

$$R = 0.9998$$

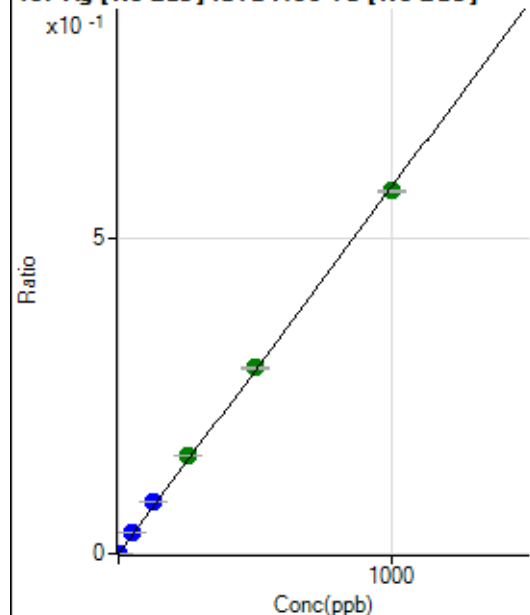
$$DL = 3.09$$

$$BEC = 30.18$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 105.56     | 0.0000 | P   | 32.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.866      | 8941.90    | 0.0005 | P   | 15.0 |
| 3 | <input type="checkbox"/> | 50.000   | 55.304     | 578948.59  | 0.0322 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 139.863    | 1418628.25 | 0.0814 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 267.257    | 2736319.14 | 0.1555 | A   | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 507.167    | 5106546.08 | 0.2951 | A   | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.979    | 9838084.33 | 0.5760 | A   | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 29705.93   | 0.0019 | P   | 2.2  |

$$y = 5.8185\text{E-}004 * x + 5.9733\text{E-}006$$

$$R = 0.9997$$

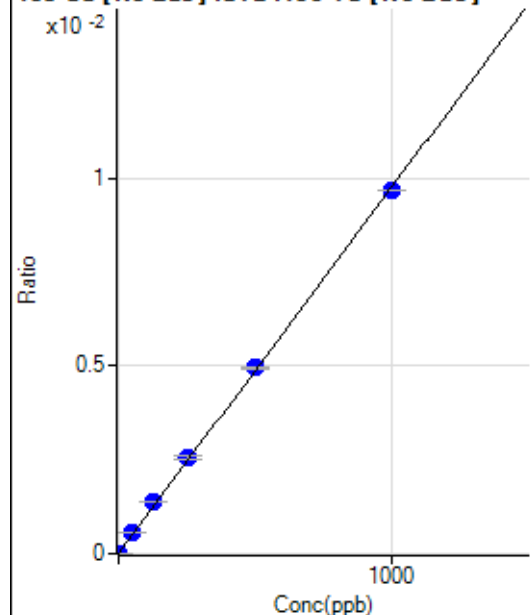
$$DL = 0.0101$$

$$BEC = 0.01027$$

Weight: &lt;None&gt;

Min Conc: 0

108 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      | 87.50     | 0.0000 | P   | 11.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.997      | 256.95    | 0.0000 | P   | 3.5  |
| 3 | <input type="checkbox"/> | 50.000   | 56.001     | 9897.93   | 0.0006 | P   | 2.9  |
| 4 | <input type="checkbox"/> | 125.000  | 141.198    | 24050.58  | 0.0014 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 262.633    | 45074.10  | 0.0026 | P   | 2.7  |
| 6 | <input type="checkbox"/> | 500.000  | 507.675    | 85625.84  | 0.0049 | P   | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 990.680    | 164829.58 | 0.0097 | P   | 0.0  |
| 8 | <input type="checkbox"/> |          |            | 573.63    | 0.0000 | P   | 10.8 |

$$y = 9.7366\text{E-}006 * x + 4.9465\text{E-}006$$

$$R = 0.9998$$

$$DL = 0.1781$$

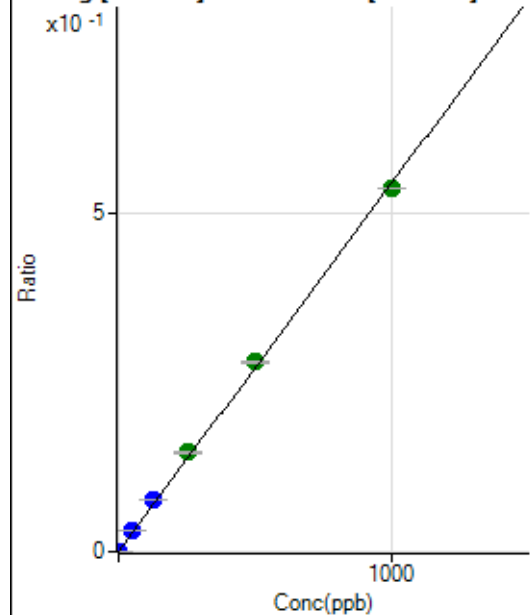
$$BEC = 0.508$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 36.11      | 0.0000 | P    | 34.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.884      | 8477.74    | 0.0005 | P    | 12.8 |
| 3 | <input type="checkbox"/> | 50.000   | 56.110     | 549652.02  | 0.0306 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 141.648    | 1344470.51 | 0.0771 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 270.727    | 2593796.39 | 0.1474 | A    | 1.6  |
| 6 | <input type="checkbox"/> | 500.000  | 514.659    | 4849462.91 | 0.2803 | A    | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 985.102    | 9161789.27 | 0.5364 | A    | 0.1  |
| 8 | <input type="checkbox"/> |          |            | 28297.68   | 0.0018 | P    | 1.6  |

$$y = 5.4454\text{E-}004 * x + 2.0384\text{E-}006$$

$$R = 0.9995$$

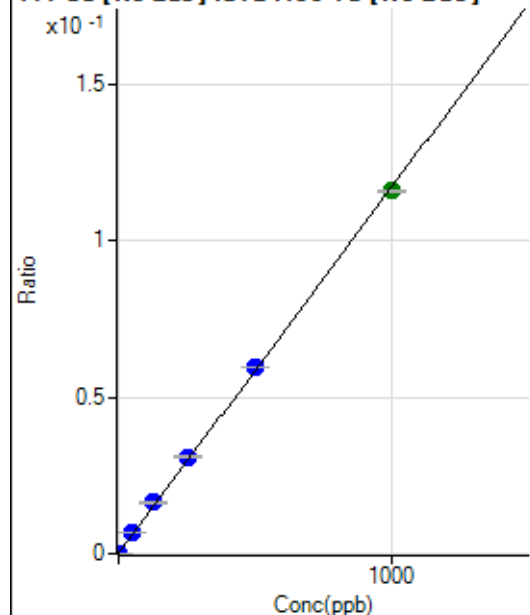
$$DL = 0.003856$$

$$BEC = 0.003743$$

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      | 1779.52    | 0.0001 | P    | 3.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.289      | 4410.65    | 0.0003 | P    | 3.4 |
| 3 | <input type="checkbox"/> | 50.000   | 55.602     | 118837.70  | 0.0066 | P    | 0.4 |
| 4 | <input type="checkbox"/> | 125.000  | 138.685    | 284602.58  | 0.0163 | P    | 1.2 |
| 5 | <input type="checkbox"/> | 250.000  | 263.556    | 544310.17  | 0.0309 | P    | 2.0 |
| 6 | <input type="checkbox"/> | 500.000  | 508.359    | 1031072.07 | 0.0596 | P    | 0.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 990.440    | 1981006.54 | 0.1160 | A    | 0.5 |
| 8 | <input type="checkbox"/> |          |            | 7603.82    | 0.0005 | P    | 3.0 |

$$y = 1.1701\text{E-}004 * x + 1.0068\text{E-}004$$

$$R = 0.9998$$

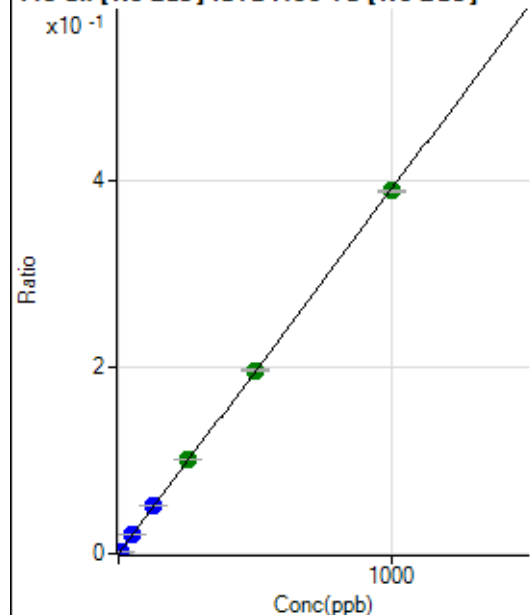
$$DL = 0.08396$$

$$BEC = 0.8605$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 872.27     | 0.0000 | P        | 10.5 |
| 2 | <input type="checkbox"/> | 5.000    | 5.330      | 37441.01   | 0.0021 | P        | 1.2  |
| 3 | <input type="checkbox"/> | 50.000   | 53.236     | 375536.43  | 0.0209 | P        | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 133.123    | 908775.80  | 0.0521 | P        | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 257.751    | 1775175.45 | 0.1009 | A        | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 502.867    | 3405461.93 | 0.1968 | A        | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.450    | 6652886.35 | 0.3895 | A        | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 25667.96   | 0.0016 | P        | 1.7  |

$$y = 3.9126E-004 * x + 4.9386E-005$$

$$R = 0.9999$$

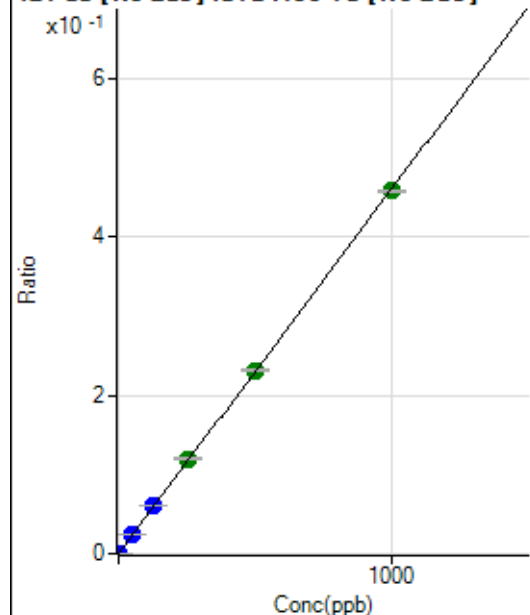
$$DL = 0.03978$$

$$BEC = 0.1262$$

Weight: &lt;None&gt;

Min Conc: 0

121 Sb [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      | 383.35     | 0.0000 | P        | 11.0 |
| 2 | <input type="checkbox"/> | 2.000    | 2.050      | 16918.73   | 0.0010 | P        | 3.1  |
| 3 | <input type="checkbox"/> | 50.000   | 52.354     | 433610.28  | 0.0241 | P        | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 132.281    | 1060985.48 | 0.0609 | P        | 1.7  |
| 5 | <input type="checkbox"/> | 250.000  | 259.103    | 2097197.55 | 0.1192 | A        | 2.4  |
| 6 | <input type="checkbox"/> | 500.000  | 502.517    | 4000368.93 | 0.2312 | A        | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.438    | 7821200.35 | 0.4579 | A        | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 29041.09   | 0.0018 | P        | 1.9  |

$$y = 4.6001E-004 * x + 2.1684E-005$$

$$R = 0.9999$$

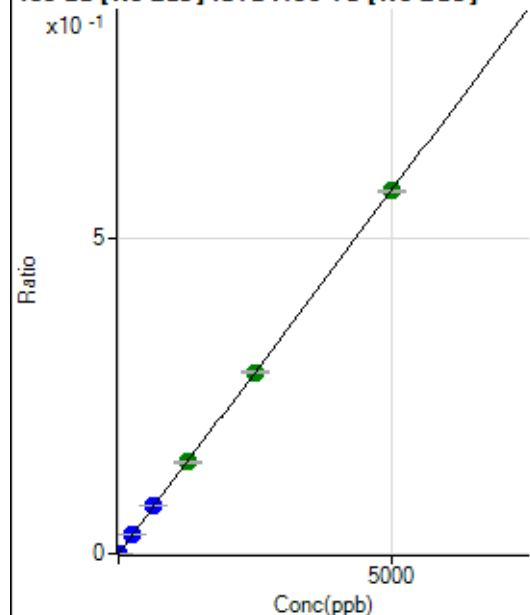
$$DL = 0.01555$$

$$BEC = 0.04714$$

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      | 55.56      | 0.0000 | P    | 56.0 |
| 2 | <input type="checkbox"/> | 10.000   | 10.371     | 20963.02   | 0.0012 | P    | 0.9  |
| 3 | <input type="checkbox"/> | 250.000  | 257.443    | 532385.94  | 0.0296 | P    | 0.1  |
| 4 | <input type="checkbox"/> | 625.000  | 652.969    | 1308429.82 | 0.0751 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1263.828   | 2555876.97 | 0.1453 | A    | 2.4  |
| 6 | <input type="checkbox"/> | 2500.000 | 2499.471   | 4972018.90 | 0.2873 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 5000.000 | 4992.939   | 9802730.25 | 0.5740 | A    | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 32621.31   | 0.0021 | P    | 0.4  |

$$y = 1.1495E-004 * x + 3.1332E-006$$

$$R = 1.0000$$

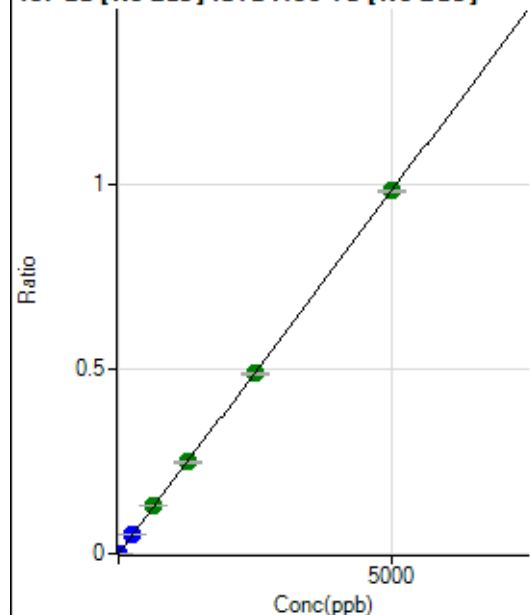
$$DL = 0.04575$$

$$BEC = 0.02726$$

Weight: &lt;None&gt;

Min Conc: 0

137 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      | 36.11       | 0.0000 | P    | 36.3 |
| 2 | <input type="checkbox"/> | 10.000   | 10.189     | 35119.20    | 0.0020 | P    | 1.4  |
| 3 | <input type="checkbox"/> | 250.000  | 261.278    | 922819.35   | 0.0513 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 625.000  | 668.462    | 2287769.00  | 0.1312 | A    | 0.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1266.156   | 4373514.85  | 0.2486 | A    | 2.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2480.902   | 8428969.72  | 0.4871 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 4999.513   | 16764972.08 | 0.9816 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 56387.46    | 0.0036 | P    | 0.3  |

$$y = 1.9634E-004 * x + 2.0476E-006$$

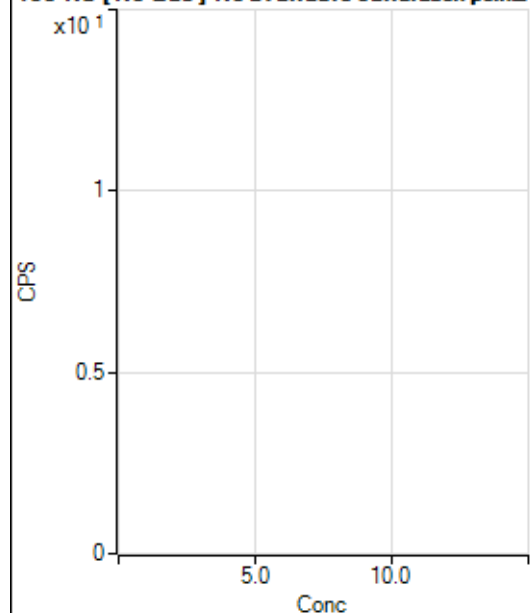
$$R = 0.9999$$

$$DL = 0.01136$$

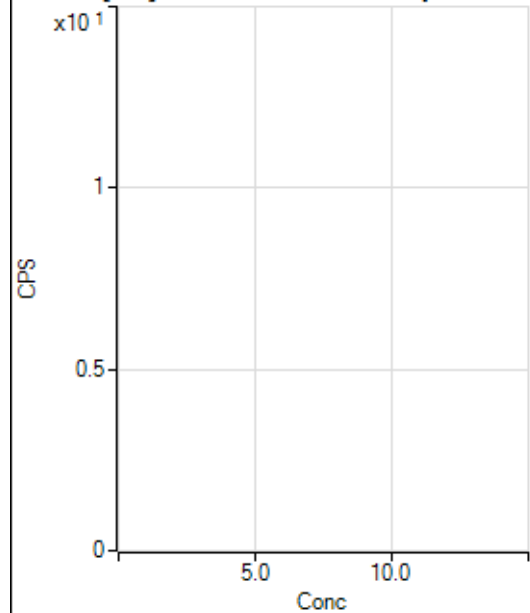
$$BEC = 0.01043$$

Weight: &lt;None&gt;

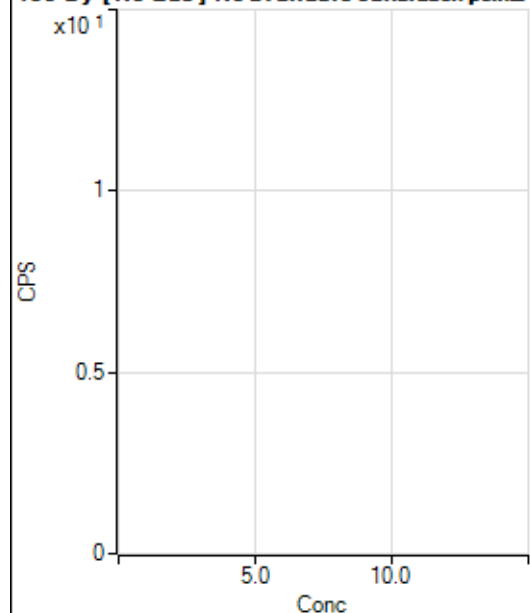
Min Conc: 0

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

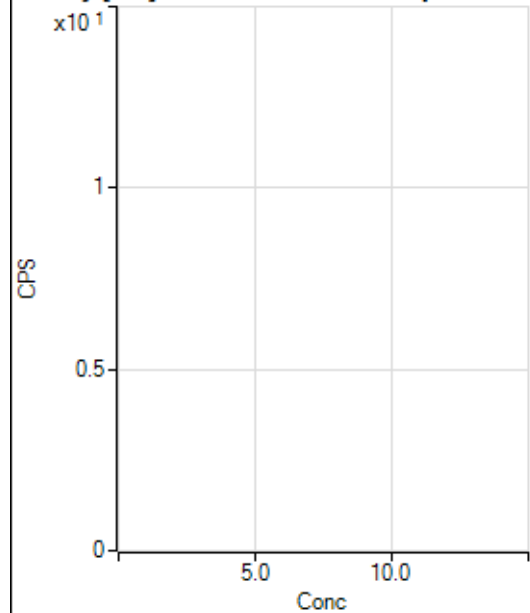
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 0.0  |
| 2 | <input type="checkbox"/> |       |            | 17.78  |       | P        | 21.7 |
| 3 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 19.3 |
| 4 | <input type="checkbox"/> |       |            | 115.56 |       | P        | 18.5 |
| 5 | <input type="checkbox"/> |       |            | 155.56 |       | P        | 17.3 |
| 6 | <input type="checkbox"/> |       |            | 397.79 |       | P        | 5.4  |
| 7 | <input type="checkbox"/> |       |            | 697.81 |       | P        | 1.5  |
| 8 | <input type="checkbox"/> |       |            | 124.45 |       | P        | 37.6 |

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

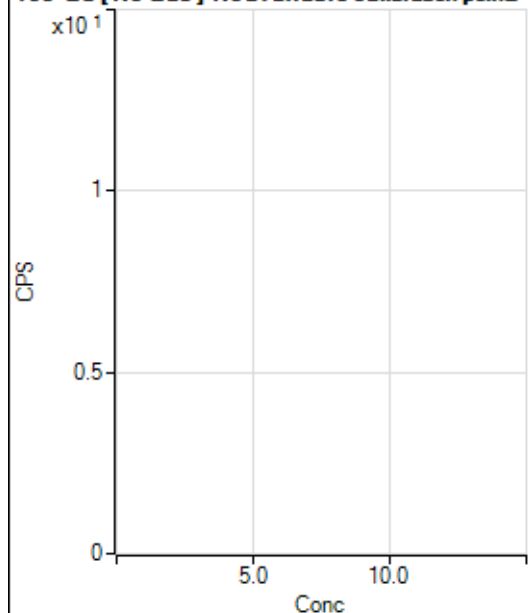
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 43.4 |
| 2 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 18.89  |       | P        | 27.0 |
| 4 | <input type="checkbox"/> |       |            | 24.44  |       | P        | 7.9  |
| 5 | <input type="checkbox"/> |       |            | 34.44  |       | P        | 24.3 |
| 6 | <input type="checkbox"/> |       |            | 52.22  |       | P        | 19.5 |
| 7 | <input type="checkbox"/> |       |            | 131.11 |       | P        | 12.5 |
| 8 | <input type="checkbox"/> |       |            | 57.78  |       | P        | 43.3 |

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

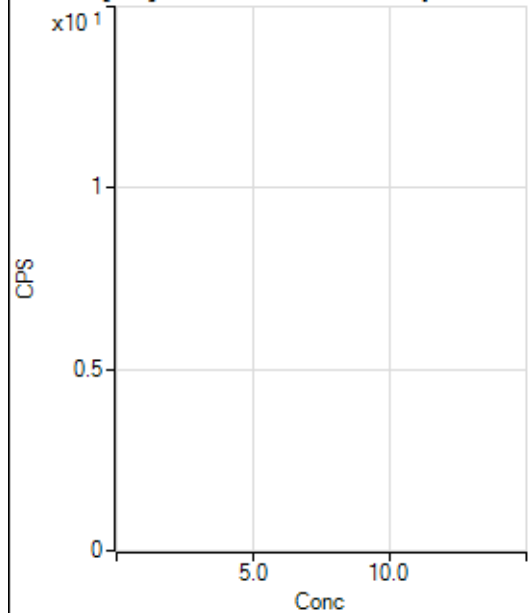
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 8.33    |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 27.78   |       | P        | 91.7 |
| 3 | <input type="checkbox"/> |       |            | 19.44   |       | P        | 65.5 |
| 4 | <input type="checkbox"/> |       |            | 88.89   |       | P        | 30.1 |
| 5 | <input type="checkbox"/> |       |            | 86.11   |       | P        | 27.9 |
| 6 | <input type="checkbox"/> |       |            | 147.23  |       | P        | 13.1 |
| 7 | <input type="checkbox"/> |       |            | 366.68  |       | P        | 11.8 |
| 8 | <input type="checkbox"/> |       |            | 1030.62 |       | P        | 14.5 |

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

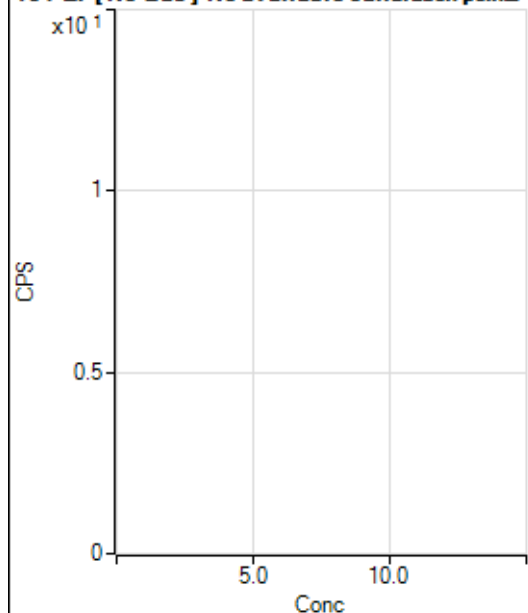
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 34.7 |
| 2 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 114. |
| 3 | <input type="checkbox"/> |       |            | 25.56  |       | P        | 54.3 |
| 4 | <input type="checkbox"/> |       |            | 65.55  |       | P        | 10.6 |
| 5 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 35.4 |
| 6 | <input type="checkbox"/> |       |            | 184.45 |       | P        | 9.1  |
| 7 | <input type="checkbox"/> |       |            | 383.34 |       | P        | 0.9  |
| 8 | <input type="checkbox"/> |       |            | 608.91 |       | P        | 12.2 |

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

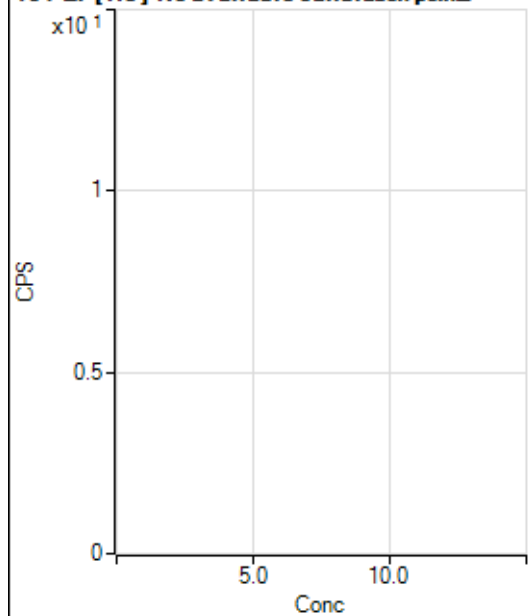
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 97.23  |       | P        | 17.8 |
| 2 | <input type="checkbox"/> |       |            | 108.33 |       | P        | 35.3 |
| 3 | <input type="checkbox"/> |       |            | 161.12 |       | P        | 18.2 |
| 4 | <input type="checkbox"/> |       |            | 119.45 |       | P        | 56.4 |
| 5 | <input type="checkbox"/> |       |            | 141.67 |       | P        | 15.6 |
| 6 | <input type="checkbox"/> |       |            | 216.68 |       | P        | 35.2 |
| 7 | <input type="checkbox"/> |       |            | 280.57 |       | P        | 19.8 |
| 8 | <input type="checkbox"/> |       |            | 716.71 |       | P        | 7.1  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 381.12 |       | P        | 11.0 |
| 2 | <input type="checkbox"/> |       |            | 412.23 |       | P        | 6.0  |
| 3 | <input type="checkbox"/> |       |            | 377.79 |       | P        | 12.8 |
| 4 | <input type="checkbox"/> |       |            | 402.23 |       | P        | 10.6 |
| 5 | <input type="checkbox"/> |       |            | 392.23 |       | P        | 10.1 |
| 6 | <input type="checkbox"/> |       |            | 448.90 |       | P        | 2.3  |
| 7 | <input type="checkbox"/> |       |            | 445.57 |       | P        | 6.0  |
| 8 | <input type="checkbox"/> |       |            | 765.58 |       | P        | 5.8  |

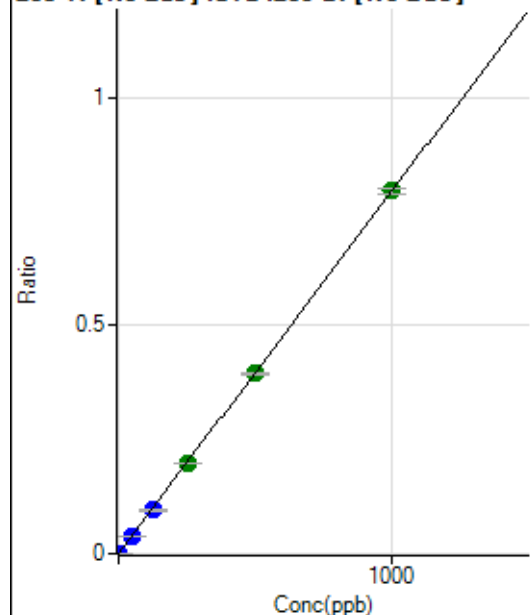
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 19.9 |
| 2 | <input type="checkbox"/> |       |            | 152.78 |       | P        | 8.3  |
| 3 | <input type="checkbox"/> |       |            | 175.01 |       | P        | 12.6 |
| 4 | <input type="checkbox"/> |       |            | 133.34 |       | P        | 22.5 |
| 5 | <input type="checkbox"/> |       |            | 138.89 |       | P        | 6.9  |
| 6 | <input type="checkbox"/> |       |            | 116.67 |       | P        | 21.4 |
| 7 | <input type="checkbox"/> |       |            | 152.78 |       | P        | 38.7 |
| 8 | <input type="checkbox"/> |       |            | 208.34 |       | P        | 28.0 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 76.67  |       | P        | 0.0  |
| 2 | <input type="checkbox"/> |       |            | 65.56  |       | P        | 28.9 |
| 3 | <input type="checkbox"/> |       |            | 86.67  |       | P        | 3.8  |
| 4 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 12.1 |
| 5 | <input type="checkbox"/> |       |            | 80.00  |       | P        | 11.0 |
| 6 | <input type="checkbox"/> |       |            | 91.11  |       | P        | 14.8 |
| 7 | <input type="checkbox"/> |       |            | 134.45 |       | P        | 19.9 |
| 8 | <input type="checkbox"/> |       |            | 130.01 |       | P        | 8.9  |

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 794.49     | 0.0001 | P    | 4.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.952      | 9325.66    | 0.0008 | P    | 2.9 |
| 3 | <input type="checkbox"/> | 50.000   | 48.178     | 434422.50  | 0.0383 | P    | 0.7 |
| 4 | <input type="checkbox"/> | 125.000  | 119.527    | 1077357.89 | 0.0950 | P    | 1.2 |
| 5 | <input type="checkbox"/> | 250.000  | 249.549    | 2247229.76 | 0.1982 | A    | 0.8 |
| 6 | <input type="checkbox"/> | 500.000  | 498.160    | 4417527.53 | 0.3956 | A    | 0.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.808   | 8728279.27 | 0.7955 | A    | 1.8 |
| 8 | <input type="checkbox"/> |          |            | 27478.27   | 0.0029 | P    | 0.9 |

$$y = 7.9395E-004 * x + 7.0824E-005$$

$$R = 1.0000$$

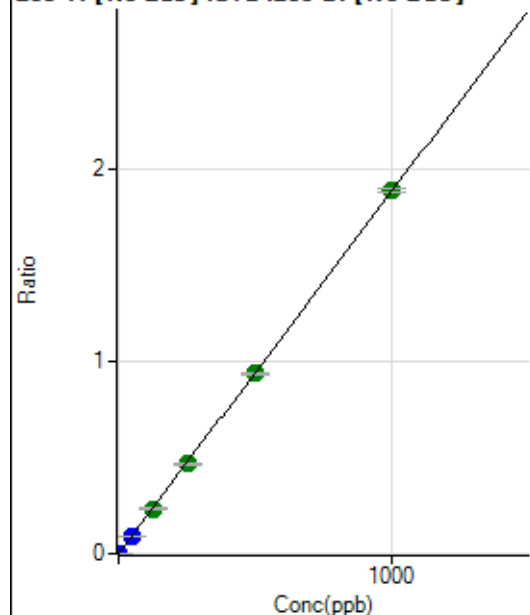
$$DL = 0.01173$$

$$BEC = 0.0892$$

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      | 2052.99     | 0.0002 | P    | 3.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.918      | 21539.76    | 0.0019 | P    | 3.2 |
| 3 | <input type="checkbox"/> | 50.000   | 48.499     | 1035059.37  | 0.0913 | P    | 0.9 |
| 4 | <input type="checkbox"/> | 125.000  | 124.674    | 2659502.81  | 0.2344 | A    | 0.3 |
| 5 | <input type="checkbox"/> | 250.000  | 247.319    | 5270281.06  | 0.4649 | A    | 1.6 |
| 6 | <input type="checkbox"/> | 500.000  | 497.302    | 10436349.63 | 0.9346 | A    | 1.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.135   | 20661887.27 | 1.8831 | A    | 1.0 |
| 8 | <input type="checkbox"/> |          |            | 64726.87    | 0.0069 | P    | 1.0 |

$$y = 0.0019 * x + 1.8295E-004$$

$$R = 1.0000$$

$$DL = 0.01127$$

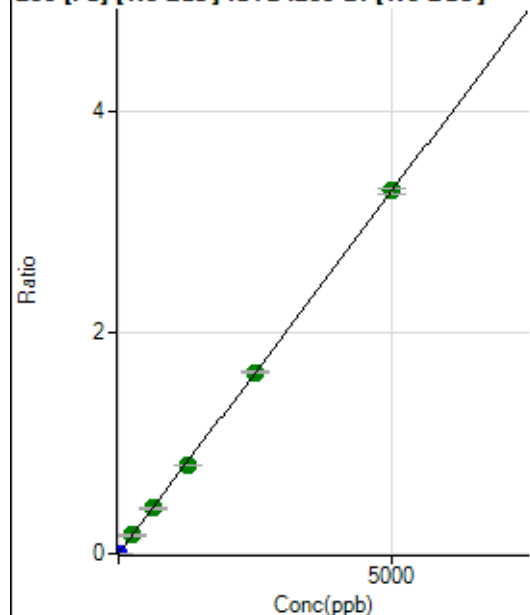
$$BEC = 0.09737$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 903.75      | 0.0001 | P        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.941      | 7857.96     | 0.0007 | P        | 5.1 |
| 3 | <input type="checkbox"/> | 250.000  | 252.047    | 1871136.10  | 0.1651 | A        | 1.3 |
| 4 | <input type="checkbox"/> | 625.000  | 624.584    | 4639186.79  | 0.4089 | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1250.000 | 1224.772   | 9090449.86  | 0.8018 | A        | 1.1 |
| 6 | <input type="checkbox"/> | 2500.000 | 2497.712   | 18258470.55 | 1.6350 | A        | 1.2 |
| 7 | <input type="checkbox"/> | 5000.000 | 5007.401   | 35965470.94 | 3.2779 | A        | 1.5 |
| 8 | <input type="checkbox"/> |          |            | 103791.05   | 0.0111 | P        | 0.7 |

$$y = 6.5459\text{E-}004 * x + 8.0552\text{E-}005$$

R = 1.0000

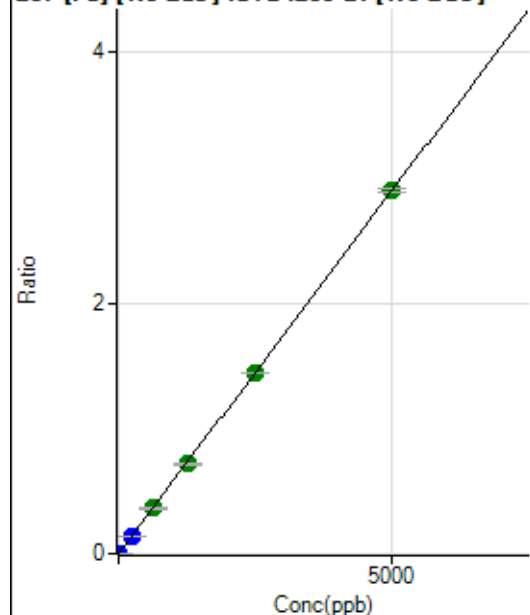
DL = 0.00379

BEC = 0.1231

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 751.89      | 0.0001 | P        | 5.9 |
| 2 | <input type="checkbox"/> | 1.000    | 0.926      | 6792.57     | 0.0006 | P        | 4.1 |
| 3 | <input type="checkbox"/> | 250.000  | 235.813    | 1545744.71  | 0.1363 | P        | 0.4 |
| 4 | <input type="checkbox"/> | 625.000  | 627.794    | 4116884.64  | 0.3629 | A        | 1.8 |
| 5 | <input type="checkbox"/> | 1250.000 | 1237.868   | 8111176.74  | 0.7155 | A        | 1.6 |
| 6 | <input type="checkbox"/> | 2500.000 | 2495.813   | 16108629.41 | 1.4425 | A        | 0.7 |
| 7 | <input type="checkbox"/> | 5000.000 | 5005.487   | 31741467.61 | 2.8929 | A        | 1.2 |
| 8 | <input type="checkbox"/> |          |            | 91176.35    | 0.0098 | P        | 0.4 |

$$y = 5.7793\text{E-}004 * x + 6.7046\text{E-}005$$

R = 1.0000

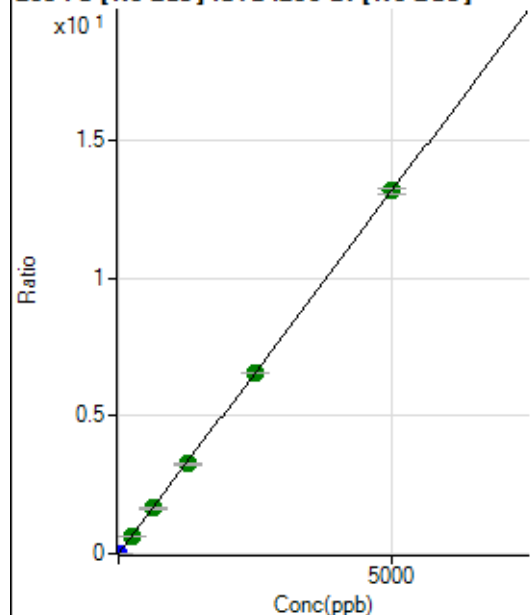
DL = 0.02053

BEC = 0.116

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      | 3711.39     | 0.0003  | P    | 2.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.926      | 31229.37    | 0.0028  | P    | 1.7 |
| 3 | <input type="checkbox"/> | 250.000  | 248.127    | 7408986.86  | 0.6535  | A    | 0.5 |
| 4 | <input type="checkbox"/> | 625.000  | 624.219    | 18646541.79 | 1.6436  | A    | 0.7 |
| 5 | <input type="checkbox"/> | 1250.000 | 1234.896   | 36861017.55 | 3.2513  | A    | 0.8 |
| 6 | <input type="checkbox"/> | 2500.000 | 2496.972   | 73412404.53 | 6.5738  | A    | 0.5 |
| 7 | <input type="checkbox"/> | 5000.000 | 5005.481   | 144589305.0 | 13.1777 | A    | 1.3 |
| 8 | <input type="checkbox"/> |          |            | 415972.35   | 0.0445  | P    | 0.4 |

$$y = 0.0026 * x + 3.3085E-004$$

$$R = 1.0000$$

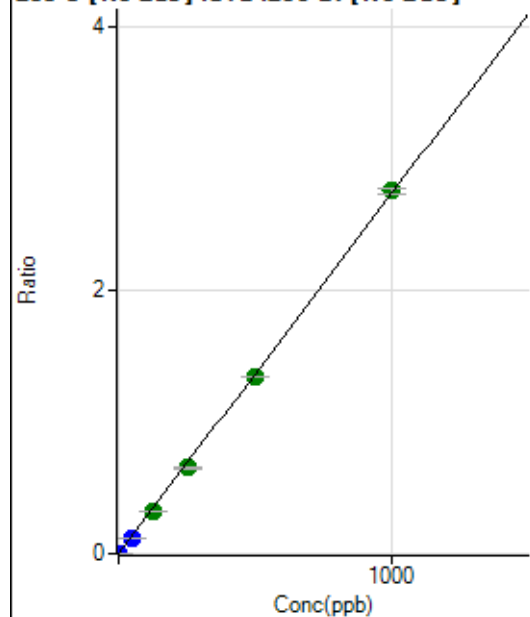
$$DL = 0.007442$$

$$BEC = 0.1257$$

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      | 77.78       | 0.0000 | P    | 26.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.844      | 26045.62    | 0.0023 | P    | 2.1  |
| 3 | <input type="checkbox"/> | 50.000   | 43.723     | 1352003.12  | 0.1193 | P    | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 119.123    | 3686165.45  | 0.3249 | A    | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 239.295    | 7399712.14  | 0.6527 | A    | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 491.354    | 14967134.54 | 1.3402 | A    | 0.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.048   | 30168620.47 | 2.7495 | A    | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 81930.40    | 0.0088 | P    | 1.0  |

$$y = 0.0027 * x + 6.9328E-006$$

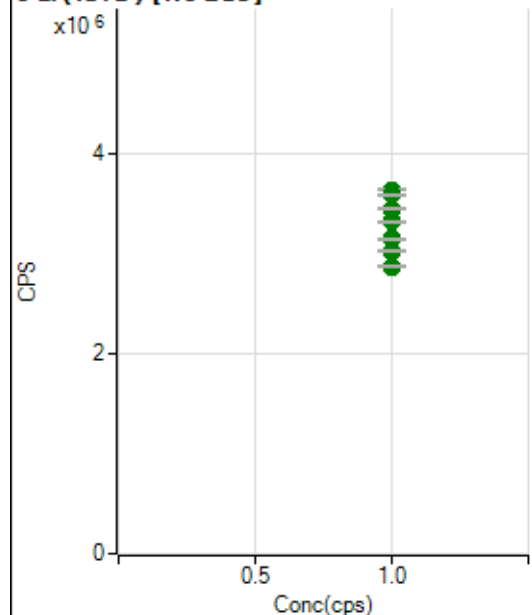
$$R = 0.9999$$

$$DL = 0.002044$$

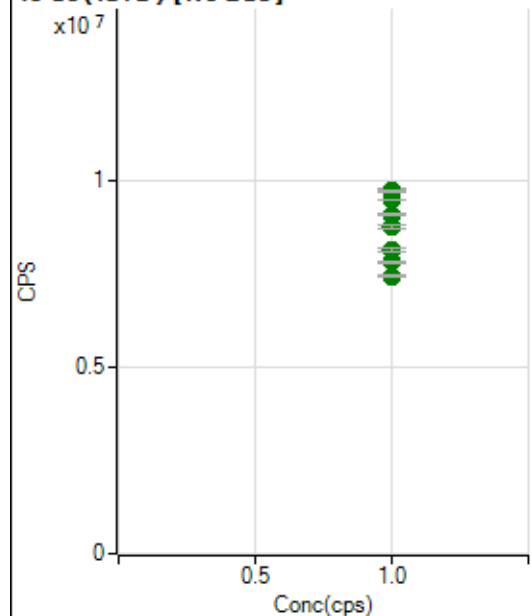
$$BEC = 0.002542$$

Weight: &lt;None&gt;

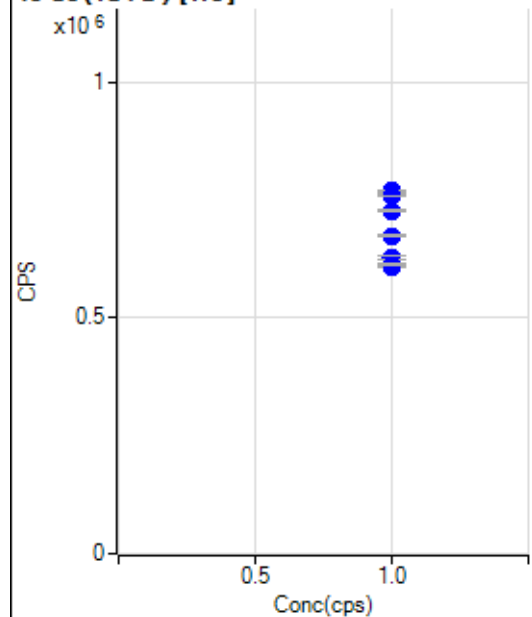
Min Conc: 0

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

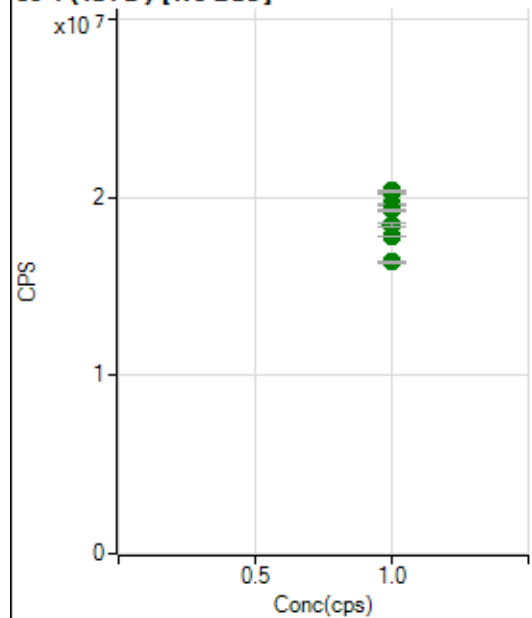
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3631413.84 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3608643.00 |       | A        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3594271.96 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3452147.14 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3328475.51 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3147776.72 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3027912.07 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2872530.44 |       | A        | 0.7 |

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

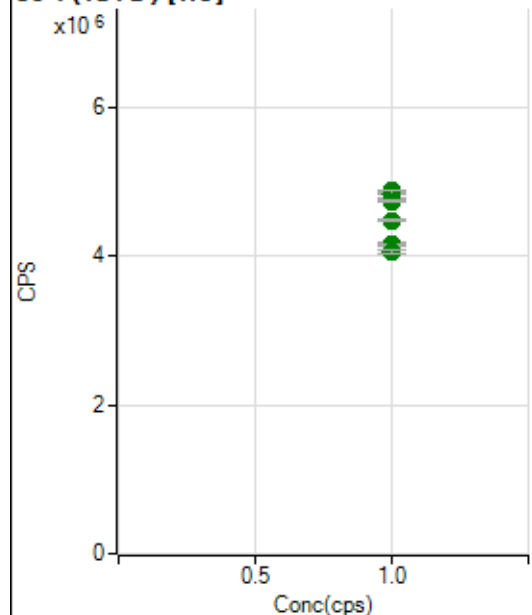
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9479214.38 |       | A        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9726481.87 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9728238.40 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9098715.42 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8765121.61 |       | A        | 1.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8139433.84 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7815005.09 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7449631.97 |       | A        | 0.9 |

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

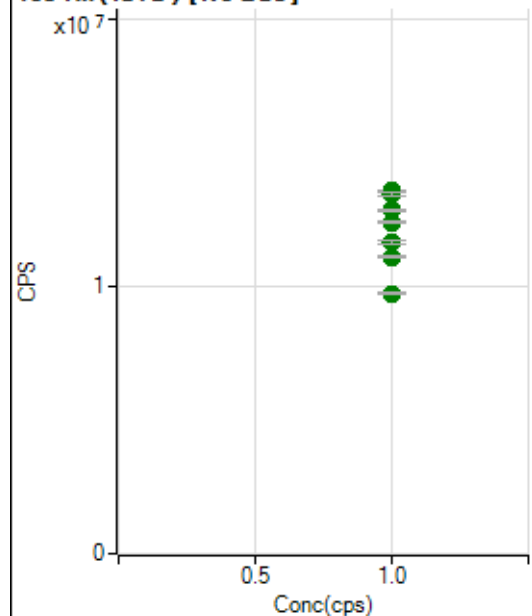
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 760244.09 |       | P        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 768834.41 |       | P        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 757898.34 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 726355.26 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 673608.34 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 627446.09 |       | P        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 608346.27 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 613163.23 |       | P        | 1.1 |

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

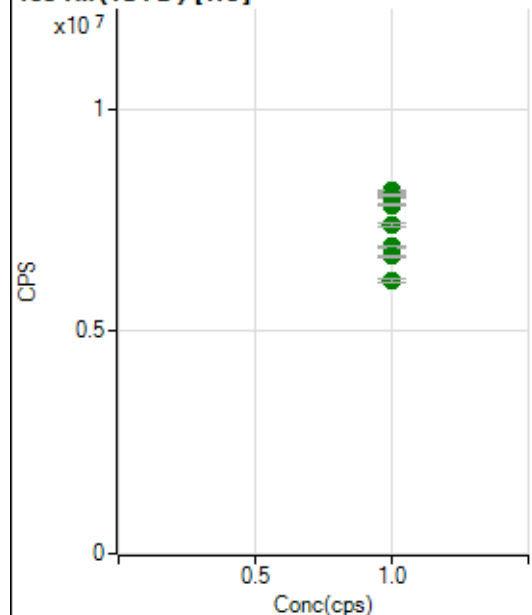
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 20239949.00 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 20344221.92 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 20348085.25 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 19584527.07 |       | A        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 19260910.41 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 18451304.31 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 17769141.82 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 16349444.06 |       | A        | 0.6 |

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

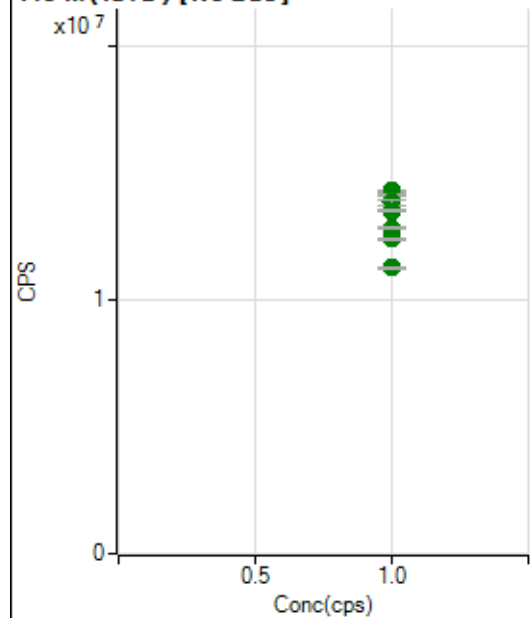
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4795238.68 |       | A        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4880275.38 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4831179.20 |       | A        | 2.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4741654.06 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4486527.71 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4175050.84 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4152037.82 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4064463.44 |       | A        | 1.4 |

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

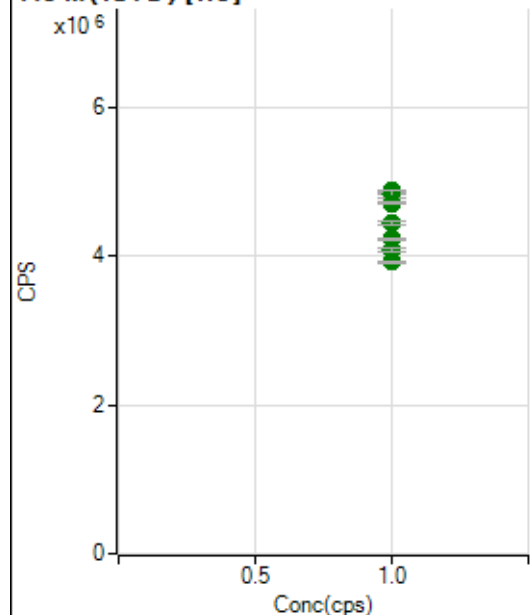
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 13524674.38 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 13575016.46 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 13448797.99 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12847741.20 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 12401747.18 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11681595.38 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11112774.77 |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9744978.26  |       | A        | 0.7 |

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

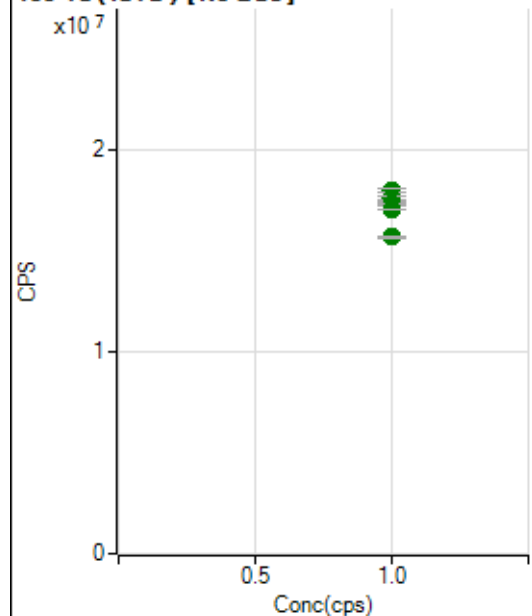
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8062061.96 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8163419.39 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8068863.56 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7837450.86 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7410972.87 |       | A        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6907577.47 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6699172.19 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6138808.24 |       | A        | 0.9 |

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

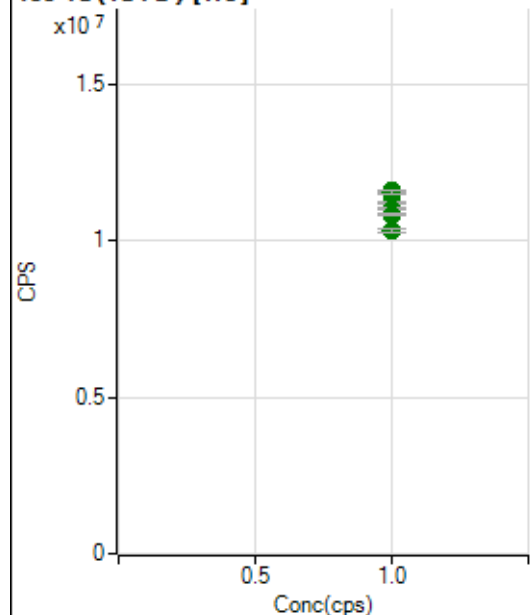
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 14141053.49 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 14282215.17 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 14121606.75 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 13820607.03 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 13507348.71 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 12822059.13 |       | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 12393879.59 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11243979.94 |       | A        | 1.3 |

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

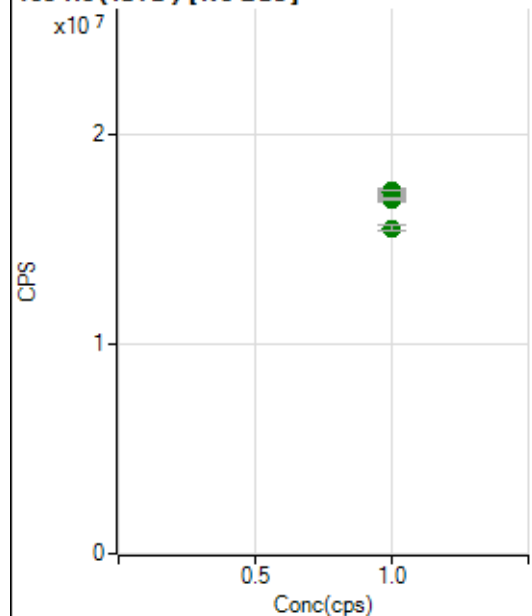
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4791625.38 |       | A        | 2.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4875224.65 |       | A        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4827364.49 |       | A        | 1.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4711459.40 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4447016.91 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4236678.94 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4081001.23 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3914912.87 |       | A        | 1.0 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 17675822.52 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 17538049.46 |       | A        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 17987758.62 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 17432040.99 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 17596683.63 |       | A        | 1.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 17305439.74 |       | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 17079296.13 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 15700062.82 |       | A        | 0.9 |

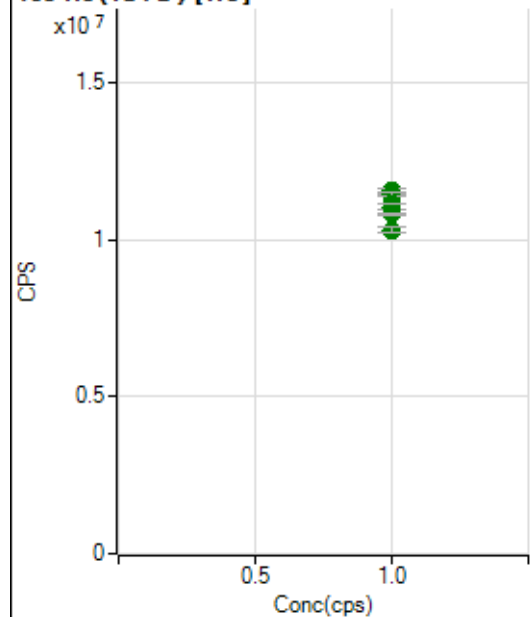
**159 Tb (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11522799.83 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 11551265.80 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 11598646.63 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11553982.61 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11209249.00 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11022668.38 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10844136.64 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10320202.28 |       | A        | 1.3 |

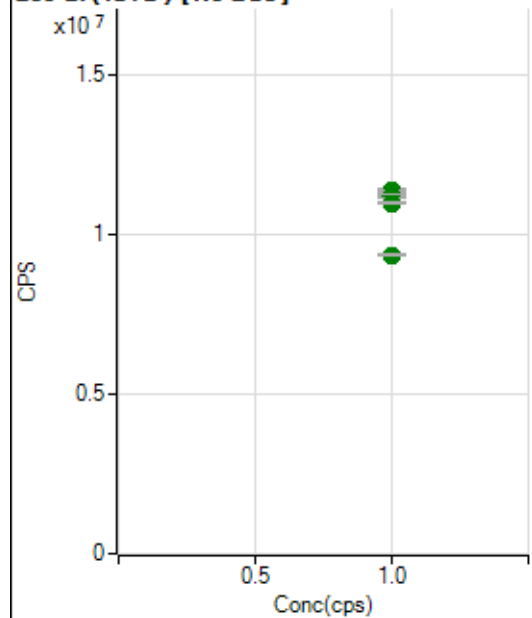
**165 Ho (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 17109893.64 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 17212509.74 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 17292568.07 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 16944522.25 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 17199089.47 |       | A        | 1.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 16873442.80 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 16910316.83 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 15532519.49 |       | A        | 1.4 |

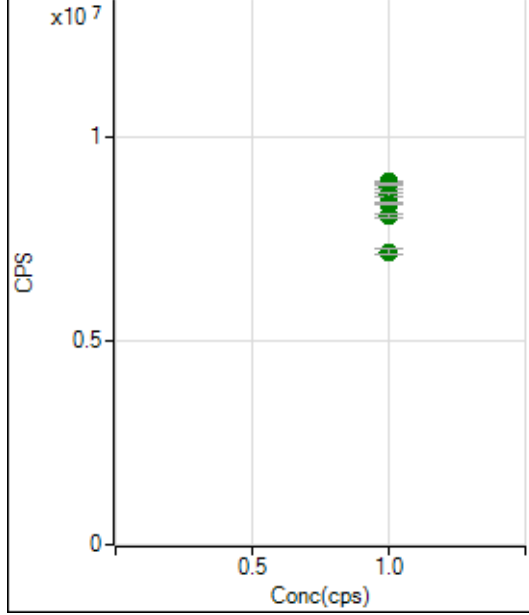


**165 Ho (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11410685.66 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 11564873.72 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 11396204.27 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11472856.64 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11159905.95 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11048679.49 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10829562.96 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10320250.61 |       | A        | 1.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11218750.11 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 11284065.25 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 11337170.25 |       | A        | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11344634.97 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11337753.16 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11167483.17 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10972620.53 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9344005.14  |       | A        | 0.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8847978.89 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8888104.31 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8778765.15 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8834707.65 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8590735.64 |       | A        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8345826.82 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8056456.89 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7173306.56 |       | A        | 1.7 |

# US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7063022MS.b

Acq. Date-Time 2022-06-30 14:02:32

Report Comment ---

Instrument Name G8403A JP14410463

[No Gas]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%   | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|--------|-----------------|
| 9    |              | 9688  | 96878.26  |                            |             | 0.615  | 5.000           |
| 24   |              | 88948 | 889483.28 |                            |             | 1.171  | 5.000           |
| 25   |              | 11567 | 115669.63 |                            |             | 0.999  | 5.000           |
| 26   |              | 13193 | 131931.74 |                            |             | 0.933  | 5.000           |
| 59   |              | 24211 | 242113.34 |                            |             | 1.124  | 5.000           |
| 113  |              | 12151 | 121509.08 |                            |             | 1.123  | 5.000           |
| 115  |              | 39421 | 394214.45 |                            |             | 3.419  | 5.000           |
| 206  |              | 16901 | 169010.47 |                            |             | 1.130  | 5.000           |
| 207  |              | 14394 | 143942.67 |                            |             | 1.036  | 5.000           |
| 208  |              | 35143 | 351432.79 |                            |             | 1.335  | 5.000           |
| 220  |              | 0     | 1.20      |                            |             | 69.722 |                 |

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

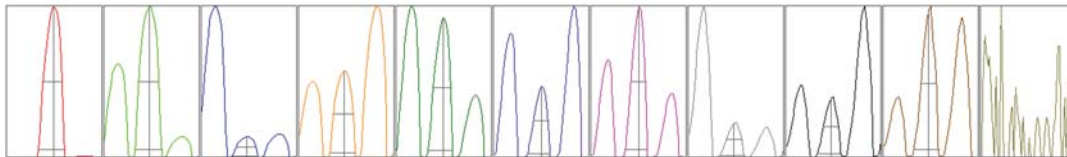
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 9686        | 9747        | 9732        | 9680        | 9595        |
| 24   | 88983       | 90150       | 89471       | 88801       | 87337       |
| 25   | 11607       | 11649       | 11664       | 11534       | 11381       |
| 26   | 13236       | 13266       | 13287       | 13195       | 12982       |
| 59   | 24391       | 24386       | 24425       | 24041       | 23813       |
| 113  | 12302       | 12262       | 12124       | 12108       | 11959       |
| 115  | 40616       | 40381       | 40080       | 38528       | 37501       |
| 206  | 17145       | 16874       | 17039       | 16768       | 16680       |
| 207  | 14579       | 14402       | 14498       | 14253       | 14239       |
| 208  | 35666       | 35084       | 35545       | 34896       | 34525       |

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 17205.20    | 9.00   | 8.90 - 9.10     |             |
| 24   | 147372.22   | 23.95  | 23.90 - 24.10   |             |
| 25   | 19432.39    | 24.95  | 24.90 - 25.10   |             |
| 26   | 22054.65    | 25.95  | 25.90 - 26.10   |             |
| 59   | 46175.74    | 59.00  | 58.90 - 59.10   |             |
| 113  | 27066.71    | 113.05 | 112.90 - 113.10 |             |
| 115  | 88649.61    | 115.05 | 114.90 - 115.10 |             |
| 206  | 34698.25    | 205.95 | 205.90 - 206.10 |             |
| 207  | 29574.03    | 206.95 | 206.90 - 207.10 |             |
| 208  | 73853.90    | 207.95 | 207.90 - 208.10 |             |
| 220  |             |        | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.58  | 0.819 | 0.900           |             |
| 24   | 0.64  | 0.830 | 0.900           |             |
| 25   | 0.62  | 0.791 | 0.900           |             |
| 26   | 0.64  | 0.792 | 0.900           |             |
| 59   | 0.54  | 0.778 | 0.900           |             |
| 113  | 0.45  | 0.701 | 0.900           |             |
| 115  | 0.45  | 0.704 | 0.900           |             |
| 206  | 0.49  | 0.775 | 0.900           |             |
| 207  | 0.48  | 0.741 | 0.900           |             |
| 208  | 0.48  | 0.771 | 0.900           |             |
| 220  |       |       |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.73 L/min Dilution Gas 0.40 L/min

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

## Lens Parameters

|            |          |               |       |            |        |
|------------|----------|---------------|-------|------------|--------|
| Extract 1  | 0.0 V    | Omega Lens    | 9.0 V | Deflect    | 14.2 V |
| Extract 2  | -150.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -75 V    | Cell Exit     | -50 V |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 5.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 200 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 122 | Axis Gain   | 1.0002 | QP Bias | -3.0 V |
| Mass Offset | 124 | Axis Offset | -0.01  |         |        |

## Hardware Settings

### Torch

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

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.1 mV | Analog HV | 2194 V | Pulse HV | 1465 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 8175  | 81746.27  |                            |             | 0.439 |                 |
| 89   |              | 75907 | 759068.24 |                            |             | 1.184 |                 |
| 205  |              | 51666 | 516657.05 |                            |             | 0.579 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 8188        | 8179        | 8120        | 8168        | 8218        |
| 89   | 76130       | 76057       | 75105       | 75021       | 77221       |
| 205  | 51757       | 51617       | 51551       | 51295       | 52109       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |        |                |            |               |            |
|--------------|--------|----------------|------------|---------------|------------|
| Plasma Mode  | ---    | Nebulizer Gas  | 0.73 L/min | Dilution Gas  | 0.40 L/min |
| RF Power     | 1600 W | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 V | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 9.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |       |            |       |         |       |
|-----------|-------|------------|-------|---------|-------|
| Extract 1 | 0.0 V | Omega Lens | 9.3 V | Deflect | 3.2 V |
|-----------|-------|------------|-------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -155.0 V | Cell Entrance | -40 V | Plate Bias | -60 V |
| Omega Bias | -75 V    | Cell Exit     | -60 V |            |       |

## Cell Parameters

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

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 122 | Axis Gain   | 1.0002 | QP Bias | -13.0 V |
| Mass Offset | 124 | Axis Offset | -0.01  |         |         |

## Hardware Settings

### Torch

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

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.1 mV | Analog HV | 2194 V | Pulse HV | 1465 V |
|---------------|--------|-----------|--------|----------|--------|