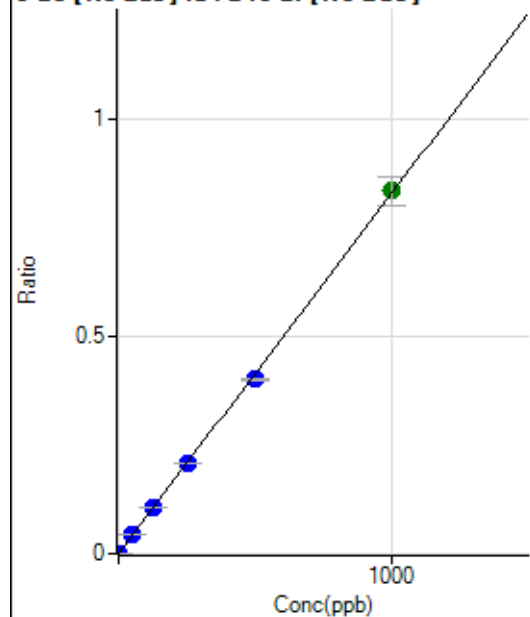


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7013125MS-4.b\  
Analysis File: P7013125MS-4.batch.bin  
DA Date-Time: 2025-02-06 00:47:18  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2025-01-31 15:08:43 |
| 2     | 005CALS.d          | S02         | 2025-01-31 15:12:02 |
| 3     | 006CALS.d          | S03         | 2025-01-31 15:15:22 |
| 4     | 007CALS.d          | S04         | 2025-01-31 15:18:24 |
| 5     | 008CALS.d          | S05         | 2025-01-31 15:21:20 |
| 6     | 009CALS.d          | S06         | 2025-01-31 15:24:08 |
| 7     | 010CALS.d          | S07         | 2025-01-31 15:26:55 |
| 8     | 011CALS.d          | S08         | 2025-01-31 15:29:40 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 118.89     | 0.0001 | P        | 7.1  |
| 2 | <input type="checkbox"/> | 1.000    | 1.111      | 1365.63    | 0.0010 | P        | 2.4  |
| 3 | <input type="checkbox"/> | 50.000   | 53.209     | 61130.59   | 0.0442 | P        | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 128.450    | 150813.61  | 0.1065 | P        | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 252.089    | 296157.81  | 0.2090 | P        | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 483.163    | 559215.77  | 0.4004 | P        | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1007.305   | 1104429.50 | 0.8348 | A        | 7.9  |
| 8 | <input type="checkbox"/> |          |            | 818.92     | 0.0006 | P        | 13.0 |

$$y = 8.2863E-004 * x + 8.6228E-005$$

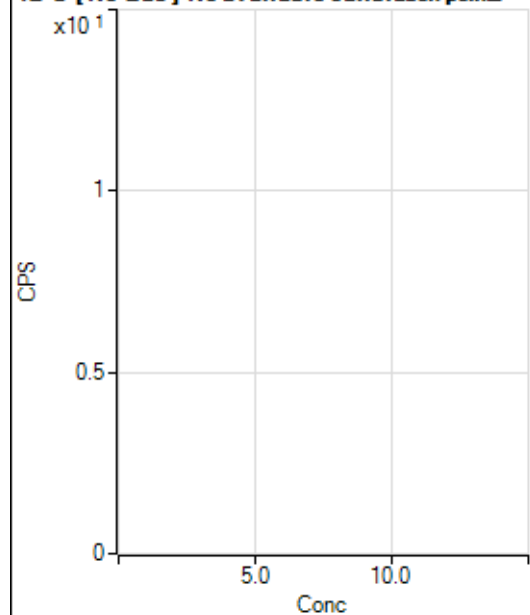
$$R = 0.9998$$

$$DL = 0.02208$$

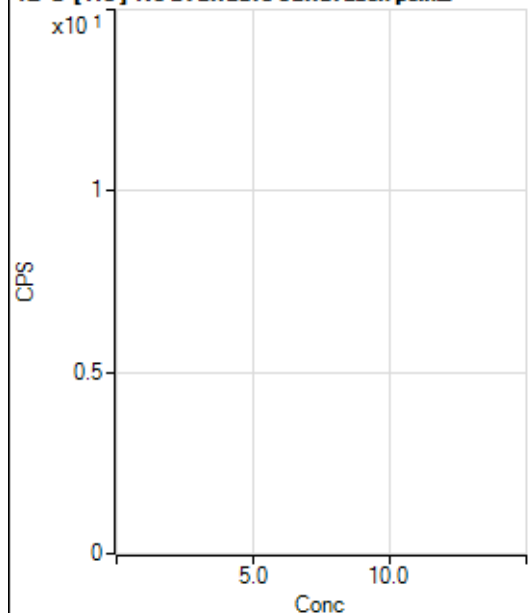
$$BEC = 0.1041$$

Weight: &lt;None&gt;

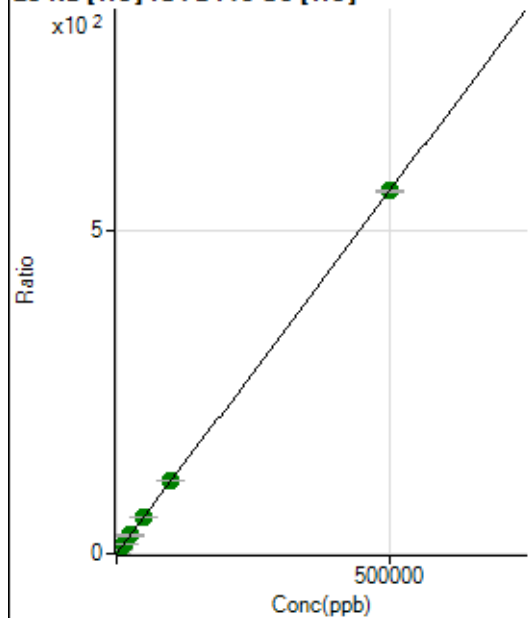
Min Conc: 0

**12 C [No Gas] 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"/> |       |            |     |       |          |     |

**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      | 20495.93    | 0.0379   | P        | 0.5 |
| 2 | <input type="checkbox"/> | 500.000   | 510.354    | 332925.68   | 0.6116   | P        | 0.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 4963.104   | 3046663.53  | 5.6178   | A        | 0.8 |
| 4 | <input type="checkbox"/> | 12500.000 | 12521.344  | 7408494.68  | 14.1154  | A        | 0.5 |
| 5 | <input type="checkbox"/> | 25000.000 | 25219.228  | 14424852.98 | 28.3915  | A        | 1.9 |
| 6 | <input type="checkbox"/> | 50000.000 | 50225.852  | 27858399.58 | 56.5061  | A        | 0.4 |
| 7 | <input type="checkbox"/> | 100000.00 | 99611.329  | 55209041.95 | 112.0296 | A        | 0.3 |
| 8 | <input type="checkbox"/> | 500000.00 | 500044.01  | 278565680.2 | 562.2309 | A        | 0.3 |

$$y = 0.0011 * x + 0.0379$$

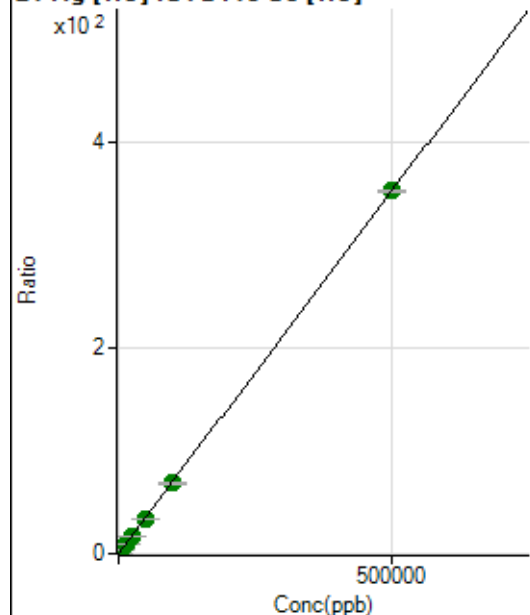
$$R = 1.0000$$

$$DL = 0.4641$$

$$BEC = 33.67$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 914.48      | 0.0017   | P    | 4.7 |
| 2 | <input type="checkbox"/> | 500.000   | 510.292    | 196320.98   | 0.3607   | P    | 0.5 |
| 3 | <input type="checkbox"/> | 5000.000  | 4884.063   | 1864372.49  | 3.4376   | A    | 1.8 |
| 4 | <input type="checkbox"/> | 12500.000 | 12331.668  | 4554155.18  | 8.6770   | A    | 0.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 24872.482  | 8890767.71  | 17.4995  | A    | 2.1 |
| 6 | <input type="checkbox"/> | 50000.000 | 48934.850  | 16973128.77 | 34.4273  | A    | 0.4 |
| 7 | <input type="checkbox"/> | 100000.00 | 96968.368  | 33618372.55 | 68.2189  | A    | 0.9 |
| 8 | <input type="checkbox"/> | 500000.00 | 500724.57  | 174531517.4 | 352.2612 | A    | 0.6 |

$$y = 7.0350\text{E-}004 * x + 0.0017$$

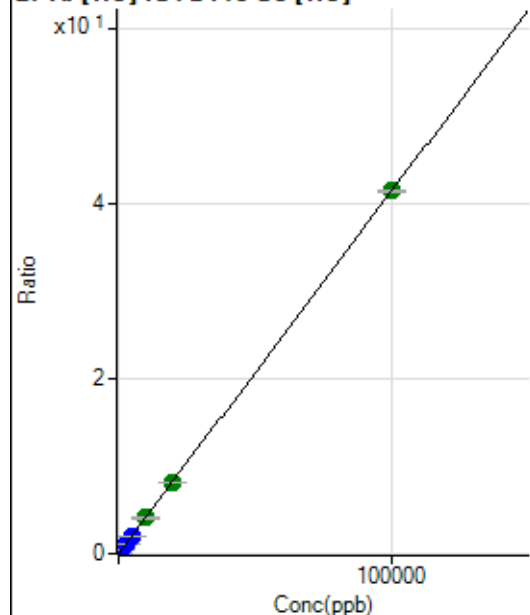
$$R = 1.0000$$

$$DL = 0.3358$$

$$BEC = 2.401$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 105.56      | 0.0002  | P    | 15.4 |
| 2 | <input type="checkbox"/> | 20.000    | 19.572     | 4510.70     | 0.0083  | P    | 4.4  |
| 3 | <input type="checkbox"/> | 1000.000  | 985.255    | 221077.84   | 0.4076  | P    | 0.3  |
| 4 | <input type="checkbox"/> | 2500.000  | 2473.112   | 536901.56   | 1.0230  | P    | 0.5  |
| 5 | <input type="checkbox"/> | 5000.000  | 4917.668   | 1033417.85  | 2.0339  | P    | 1.1  |
| 6 | <input type="checkbox"/> | 10000.000 | 9865.084   | 2011374.05  | 4.0799  | A    | 1.6  |
| 7 | <input type="checkbox"/> | 20000.000 | 19586.750  | 3991898.72  | 8.1003  | A    | 0.7  |
| 8 | <input type="checkbox"/> | 100000.00 | 100101.07  | 20510564.28 | 41.3972 | A    | 0.8  |

$$y = 4.1355\text{E-}004 * x + 1.9504\text{E-}004$$

$$R = 1.0000$$

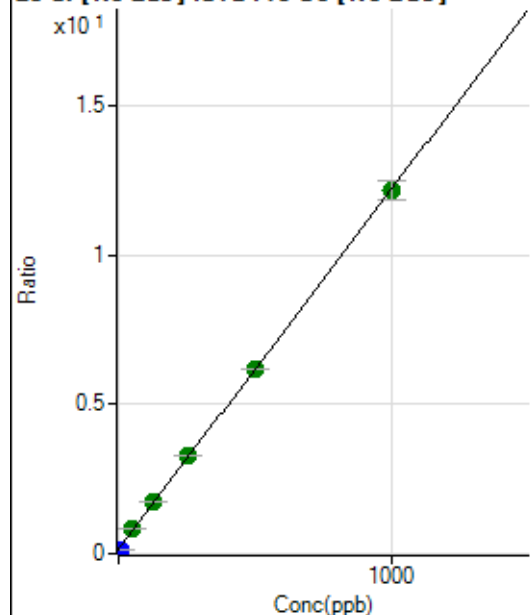
$$DL = 0.2182$$

$$BEC = 0.4716$$

Weight: &lt;None&gt;

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      | 824700.84   | 0.1546  | P   | 0.8 |
| 2 | <input type="checkbox"/> | 10.000   | 0.405      | 867042.44   | 0.1595  | P   | 0.6 |
| 3 | <input type="checkbox"/> | 50.000   | 56.151     | 4487408.92  | 0.8315  | A   | 0.2 |
| 4 | <input type="checkbox"/> | 125.000  | 133.169    | 9155377.57  | 1.7599  | A   | 1.1 |
| 5 | <input type="checkbox"/> | 250.000  | 260.851    | 16519476.42 | 3.2991  | A   | 1.1 |
| 6 | <input type="checkbox"/> | 500.000  | 501.407    | 29351133.73 | 6.1990  | A   | 0.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 995.351    | 55057970.29 | 12.1535 | A   | 5.3 |
| 8 | <input type="checkbox"/> |          |            | 745585.79   | 0.1566  | P   | 1.1 |

$$y = 0.0121 * x + 0.1546$$

$$R = 0.9998$$

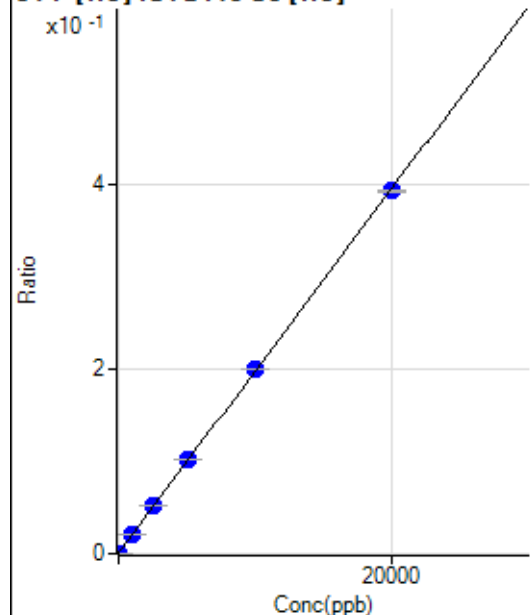
$$DL = 0.2951$$

$$BEC = 12.82$$

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     | -15.364    | 228.89    | 0.0004 | P   | 11.8 |
| 2 | <input type="checkbox"/> | 0.000     | 15.364     | 560.01    | 0.0010 | P   | 0.7  |
| 3 | <input type="checkbox"/> | 1000.000  | 1046.718   | 11587.81  | 0.0214 | P   | 1.0  |
| 4 | <input type="checkbox"/> | 2500.000  | 2582.064   | 27106.30  | 0.0516 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 5000.000  | 5151.358   | 51989.08  | 0.1023 | P   | 1.1  |
| 6 | <input type="checkbox"/> | 10000.000 | 10112.038  | 98670.84  | 0.2001 | P   | 0.7  |
| 7 | <input type="checkbox"/> | 20000.000 | 19893.548  | 193687.47 | 0.3930 | P   | 0.3  |
| 8 | <input type="checkbox"/> |           |            | 332.23    | 0.0007 | P   | 12.9 |

$$y = 1.9720E-005 * x + 7.2586E-004$$

$$R = 0.9999$$

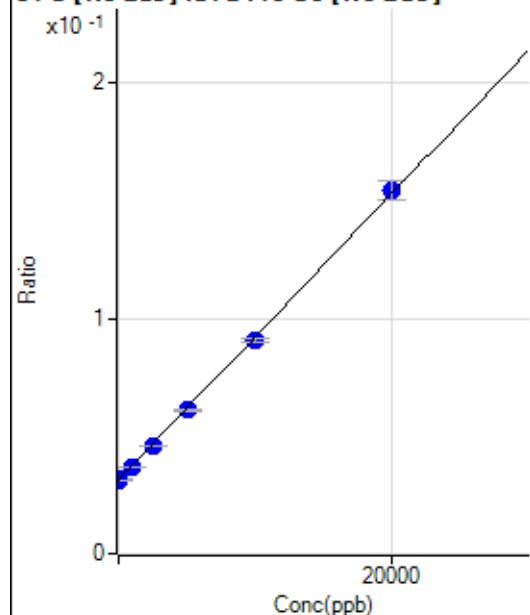
$$DL = 4.374$$

$$BEC = 36.81$$

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     | 36.658     | 168805.07 | 0.0316 | P   | 0.8 |
| 2 | <input type="checkbox"/> | 0.000     | -36.658    | 169607.14 | 0.0312 | P   | 0.6 |
| 3 | <input type="checkbox"/> | 1000.000  | 895.813    | 198969.49 | 0.0369 | P   | 0.9 |
| 4 | <input type="checkbox"/> | 2500.000  | 2397.021   | 239350.19 | 0.0460 | P   | 0.4 |
| 5 | <input type="checkbox"/> | 5000.000  | 4860.566   | 305407.18 | 0.0610 | P   | 1.3 |
| 6 | <input type="checkbox"/> | 10000.000 | 9744.878   | 429477.14 | 0.0907 | P   | 0.9 |
| 7 | <input type="checkbox"/> | 20000.000 | 20180.501  | 698659.56 | 0.1542 | P   | 5.2 |
| 8 | <input type="checkbox"/> |           |            | 138044.55 | 0.0290 | P   | 2.0 |

$$y = 6.0849\text{E-}006 * x + 0.0314$$

R = 0.9998

DL = 104

BEC = 5163

Weight: &lt;None&gt;

Min Conc: 0

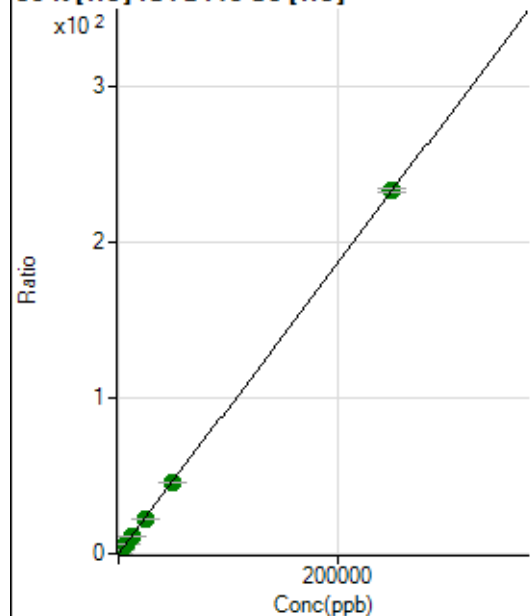
35 Cl [No Gas] No available calibration points



|   | 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      | 58299.91    | 0.1077   | P        | 1.2 |
| 2 | <input type="checkbox"/> | 500.000   | 542.528    | 332942.41   | 0.6117   | P        | 0.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2447.119   | 1291292.47  | 2.3811   | A        | 0.8 |
| 4 | <input type="checkbox"/> | 6250.000  | 6189.657   | 3074301.62  | 5.8579   | A        | 1.6 |
| 5 | <input type="checkbox"/> | 12500.000 | 12311.118  | 5866138.17  | 11.5448  | A        | 0.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 24220.652  | 11146434.41 | 22.6088  | A        | 0.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 48558.442  | 22284108.56 | 45.2188  | A        | 0.5 |
| 8 | <input type="checkbox"/> | 250000.00 | 250377.64  | 115297190.5 | 232.7105 | A        | 1.1 |

$$y = 9.2901E-004 * x + 0.1077$$

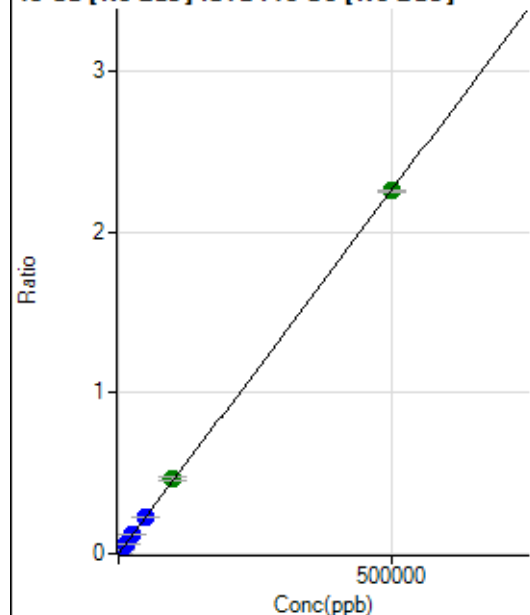
$$R = 1.0000$$

$$DL = 4.29$$

$$BEC = 115.9$$

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      | 290.00      | 0.0001 | P    | 9.8 |
| 2 | <input type="checkbox"/> | 500.000   | 551.843    | 13869.76    | 0.0026 | P    | 1.3 |
| 3 | <input type="checkbox"/> | 5000.000  | 5197.190   | 127195.48   | 0.0236 | P    | 0.2 |
| 4 | <input type="checkbox"/> | 12500.000 | 12962.081  | 305362.75   | 0.0587 | P    | 1.2 |
| 5 | <input type="checkbox"/> | 25000.000 | 25813.215  | 585048.53   | 0.1168 | P    | 1.3 |
| 6 | <input type="checkbox"/> | 50000.000 | 51061.357  | 1094006.92  | 0.2311 | P    | 0.9 |
| 7 | <input type="checkbox"/> | 100000.00 | 103109.06  | 2113416.60  | 0.4666 | A    | 5.6 |
| 8 | <input type="checkbox"/> | 500000.00 | 499217.81  | 10757145.05 | 2.2587 | A    | 0.7 |

$$y = 4.5244\text{E-}006 * x + 5.4353\text{E-}005$$

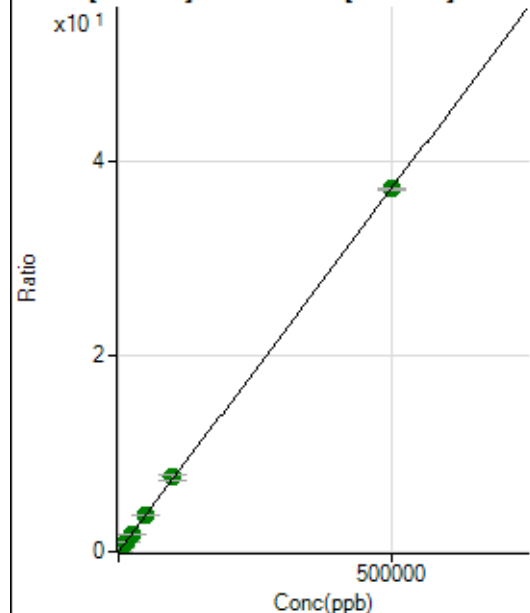
$$R = 1.0000$$

$$DL = 3.53$$

$$BEC = 12.01$$

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      | 10482.29    | 0.0020  | P    | 1.1 |
| 2 | <input type="checkbox"/> | 500.000   | 549.739    | 232828.88   | 0.0428  | P    | 0.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 4988.630   | 2011633.84  | 0.3727  | A    | 0.0 |
| 4 | <input type="checkbox"/> | 12500.000 | 12438.914  | 4820500.83  | 0.9265  | A    | 0.8 |
| 5 | <input type="checkbox"/> | 25000.000 | 24903.634  | 9278370.42  | 1.8529  | A    | 0.6 |
| 6 | <input type="checkbox"/> | 50000.000 | 49197.194  | 17320920.58 | 3.6585  | A    | 0.9 |
| 7 | <input type="checkbox"/> | 100000.00 | 102107.61  | 34386737.54 | 7.5911  | A    | 5.5 |
| 8 | <input type="checkbox"/> | 500000.00 | 499665.16  | 176877206.2 | 37.1395 | A    | 0.9 |

$$y = 7.4325\text{E-}005 * x + 0.0020$$

$$R = 1.0000$$

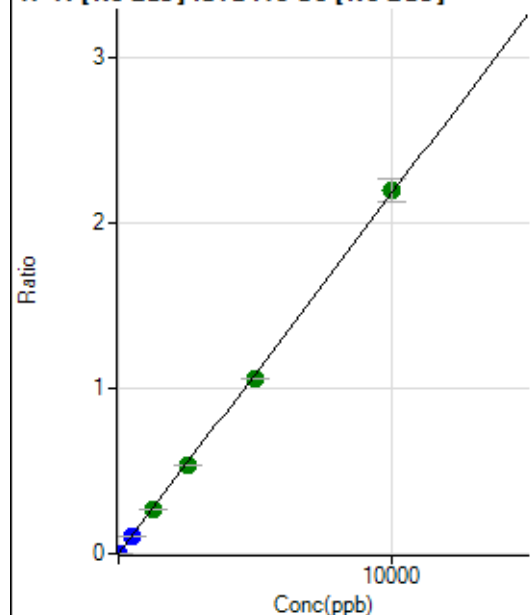
$$DL = 0.8809$$

$$BEC = 26.44$$

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      | 81.11      | 0.0000 | P   | 24.9 |
| 2 | <input type="checkbox"/> | 5.000     | 5.117      | 6133.51    | 0.0011 | P   | 0.5  |
| 3 | <input type="checkbox"/> | 500.000   | 494.847    | 580889.23  | 0.1076 | P   | 0.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1231.741   | 1393834.95 | 0.2679 | A   | 0.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2462.804   | 2682101.51 | 0.5357 | A   | 1.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 4859.451   | 5003759.68 | 1.0569 | A   | 0.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 10082.114  | 9930979.23 | 2.1928 | A   | 6.2  |
| 8 | <input type="checkbox"/> |           |            | 4933.09    | 0.0010 | P   | 15.7 |

$$y = 2.1749\text{E-}004 * x + 1.5199\text{E-}005$$

$$R = 0.9998$$

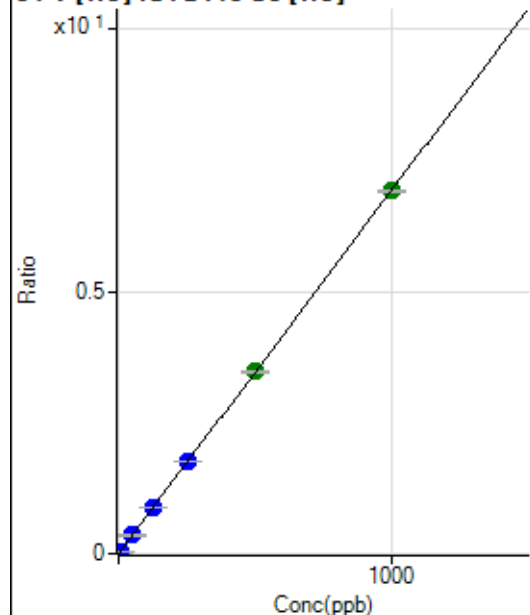
$$DL = 0.05218$$

$$BEC = 0.06988$$

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      | 13.33      | 0.0000 | P   | 49.8 |
| 2 | <input type="checkbox"/> | 5.000    | 5.251      | 19803.11   | 0.0364 | P   | 1.4  |
| 3 | <input type="checkbox"/> | 50.000   | 50.411     | 189291.48  | 0.3490 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 125.407    | 455688.88  | 0.8683 | P   | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 252.367    | 887807.78  | 1.7473 | P   | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 500.807    | 1709414.77 | 3.4673 | A   | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.932    | 3408309.12 | 6.9161 | A   | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 2029.04    | 0.0041 | P   | 5.3  |

$$y = 0.0069 * x + 2.4597\text{E-}005$$

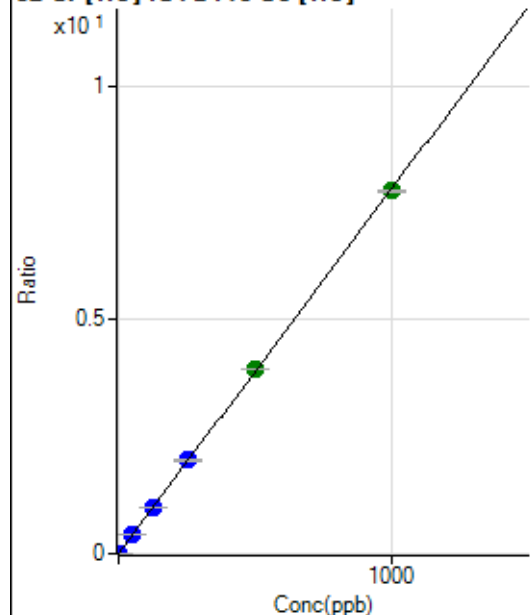
$$R = 1.0000$$

$$DL = 0.00531$$

$$BEC = 0.003553$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 982.26     | 0.0018 | P        | 3.8  |
| 2 | <input type="checkbox"/> | 2.000    | 2.128      | 10012.29   | 0.0184 | P        | 2.2  |
| 3 | <input type="checkbox"/> | 50.000   | 51.061     | 216750.29  | 0.3997 | P        | 0.2  |
| 4 | <input type="checkbox"/> | 125.000  | 127.357    | 521749.91  | 0.9941 | P        | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 256.235    | 1015354.91 | 1.9983 | P        | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 506.615    | 1946994.28 | 3.9492 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.786    | 3820644.21 | 7.7529 | A        | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 7491.96    | 0.0151 | P        | 11.0 |

$$y = 0.0078 * x + 0.0018$$

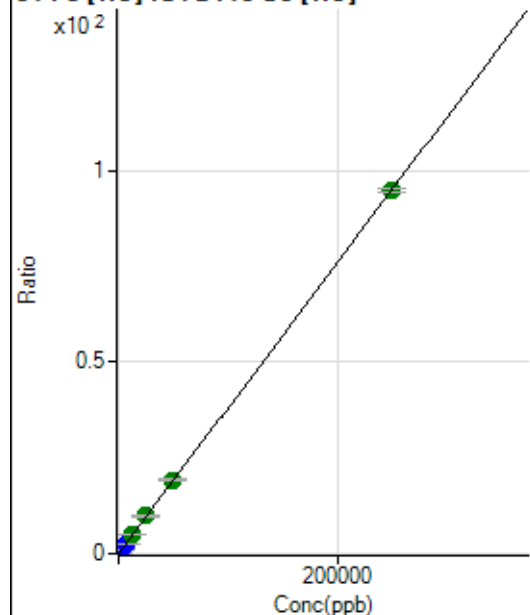
$$R = 0.9999$$

$$DL = 0.02649$$

$$BEC = 0.2328$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 2440.22     | 0.0045  | P        | 2.2 |
| 2 | <input type="checkbox"/> | 50.000    | 57.000     | 14220.13    | 0.0261  | P        | 2.1 |
| 3 | <input type="checkbox"/> | 2500.000  | 2667.261   | 551118.36   | 1.0162  | P        | 0.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6665.240   | 1329298.88  | 2.5327  | P        | 0.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 13182.536  | 2543111.56  | 5.0047  | A        | 0.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 25842.316  | 4834843.43  | 9.8066  | A        | 1.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 50884.765  | 9513804.44  | 19.3053 | A        | 0.6 |
| 8 | <input type="checkbox"/> | 250000.00 | 249692.63  | 46926674.30 | 94.7141 | A        | 0.9 |

$$y = 3.7930E-004 * x + 0.0045$$

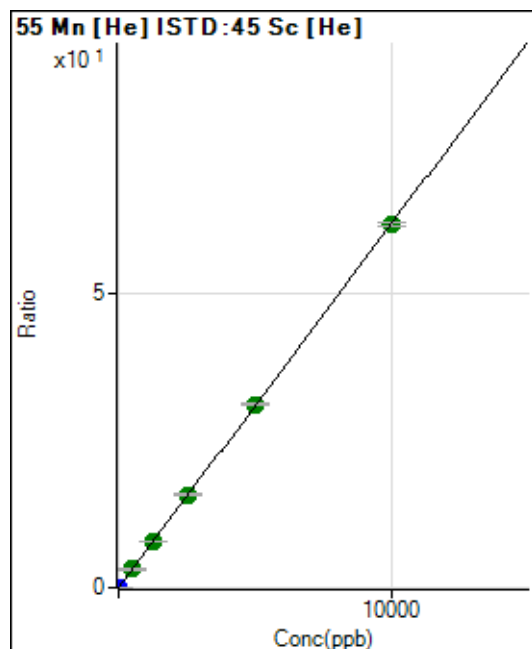
$$R = 1.0000$$

$$DL = 0.7761$$

$$BEC = 11.88$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 272.23      | 0.0005  | P    | 8.3 |
| 2 | <input type="checkbox"/> | 1.000     | 1.054      | 3817.18     | 0.0070  | P    | 1.4 |
| 3 | <input type="checkbox"/> | 500.000   | 504.032    | 1688832.88  | 3.1141  | A    | 1.2 |
| 4 | <input type="checkbox"/> | 1250.000  | 1276.616   | 4139153.38  | 7.8867  | A    | 1.1 |
| 5 | <input type="checkbox"/> | 2500.000  | 2556.581   | 8024360.16  | 15.7935 | A    | 1.6 |
| 6 | <input type="checkbox"/> | 5000.000  | 5036.088   | 15337768.66 | 31.1105 | A    | 0.6 |
| 7 | <input type="checkbox"/> | 10000.000 | 9964.282   | 30334348.16 | 61.5539 | A    | 1.1 |
| 8 | <input type="checkbox"/> |           |            | 25343.62    | 0.0512  | P    | 2.8 |

$$y = 0.0062 * x + 5.0277E-004$$

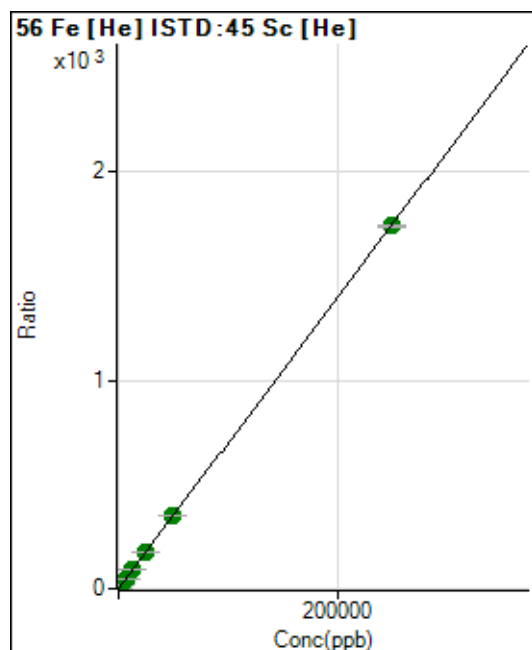
$$R = 1.0000$$

$$DL = 0.0203$$

$$BEC = 0.08139$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 18670.55    | 0.0345    | P    | 2.1 |
| 2 | <input type="checkbox"/> | 50.000    | 56.538     | 233172.83   | 0.4284    | P    | 0.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2559.242   | 9688419.79  | 17.8648   | A    | 1.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6432.453   | 23538563.82 | 44.8496   | A    | 1.0 |
| 5 | <input type="checkbox"/> | 12500.000 | 12992.258  | 46007631.54 | 90.5521   | A    | 1.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 25543.965  | 87756896.47 | 178.0003  | A    | 0.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 50694.574  | 174072050.7 | 353.2256  | A    | 0.5 |
| 8 | <input type="checkbox"/> | 250000.00 | 249776.92  | 862214787.1 | 1,740.240 | A    | 0.8 |

$$y = 0.0070 * x + 0.0345$$

$$R = 1.0000$$

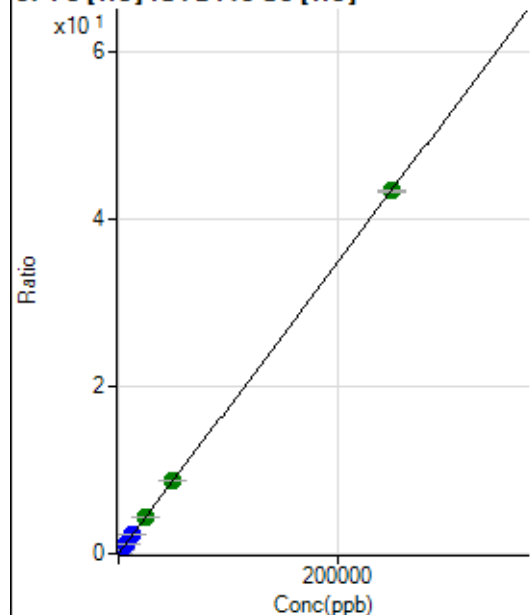
$$DL = 0.308$$

$$BEC = 4.949$$

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      | 1358.97     | 0.0025  | P   | 4.6 |
| 2 | <input type="checkbox"/> | 50.000    | 59.022     | 6948.33     | 0.0128  | P   | 3.1 |
| 3 | <input type="checkbox"/> | 2500.000  | 2656.730   | 251727.25   | 0.4642  | P   | 0.1 |
| 4 | <input type="checkbox"/> | 6250.000  | 6619.294   | 604970.55   | 1.1527  | P   | 1.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 13389.052  | 1183416.40  | 2.3291  | P   | 0.9 |
| 6 | <input type="checkbox"/> | 25000.000 | 25402.509  | 2177560.85  | 4.4166  | A   | 1.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 50521.016  | 4327586.99  | 8.7814  | A   | 0.3 |
| 8 | <input type="checkbox"/> | 250000.00 | 249800.29  | 21507825.37 | 43.4097 | A   | 0.6 |

$$y = 1.7377\text{E-}004 * x + 0.0025$$

R = 1.0000

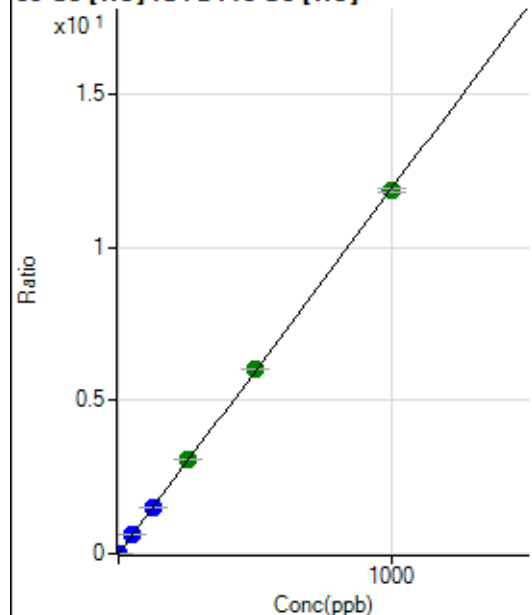
DL = 1.982

BEC = 14.44

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      | 157.78     | 0.0003  | P   | 11.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.074      | 7113.97    | 0.0131  | P   | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 51.025     | 329452.53  | 0.6075  | P   | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 127.574    | 796903.38  | 1.5184  | P   | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 258.868    | 1565357.54 | 3.0808  | A   | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 506.715    | 2973006.73 | 6.0301  | A   | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.052    | 5829504.98 | 11.8293 | A   | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 17642.69   | 0.0356  | P   | 2.2  |

$$y = 0.0119 * x + 2.9143\text{E-}004$$

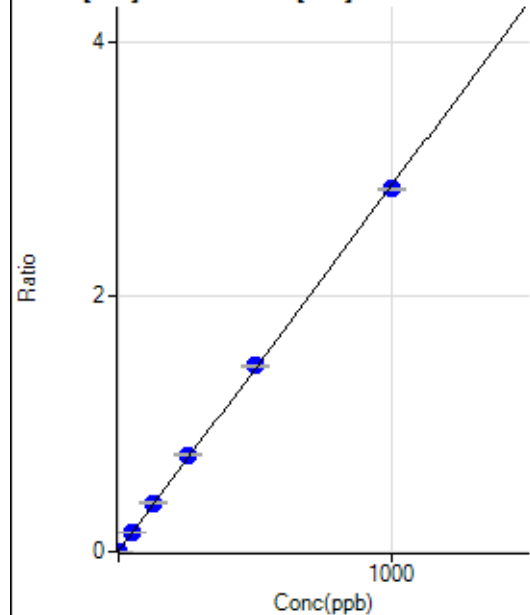
R = 0.9999

DL = 0.008647

BEC = 0.02449

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      | 1542.32    | 0.0028 | P        | 5.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.212      | 3440.43    | 0.0063 | P        | 2.9 |
| 3 | <input type="checkbox"/> | 50.000   | 53.615     | 84880.63   | 0.1565 | P        | 0.6 |
| 4 | <input type="checkbox"/> | 125.000  | 132.920    | 201428.15  | 0.3838 | P        | 1.3 |
| 5 | <input type="checkbox"/> | 250.000  | 263.879    | 385717.05  | 0.7591 | P        | 0.9 |
| 6 | <input type="checkbox"/> | 500.000  | 507.852    | 718987.39  | 1.4584 | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 991.433    | 1401696.02 | 2.8443 | P        | 0.5 |
| 8 | <input type="checkbox"/> |          |            | 7620.89    | 0.0154 | P        | 1.0 |

$$y = 0.0029 * x + 0.0028$$

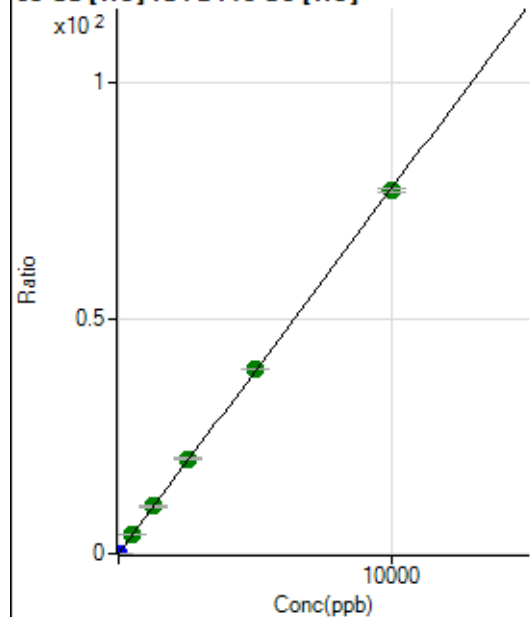
$$R = 0.9998$$

$$DL = 0.1521$$

$$BEC = 0.994$$

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      | 1719.01     | 0.0032  | P        | 6.9 |
| 2 | <input type="checkbox"/> | 2.000     | 2.207      | 11048.60    | 0.0203  | P        | 0.9 |
| 3 | <input type="checkbox"/> | 500.000   | 533.737    | 2247711.82  | 4.1446  | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1250.000  | 1291.594   | 5261443.91  | 10.0251 | A        | 1.1 |
| 5 | <input type="checkbox"/> | 2500.000  | 2596.761   | 10239381.79 | 20.1523 | A        | 1.0 |
| 6 | <input type="checkbox"/> | 5000.000  | 5068.486   | 19390873.04 | 39.3312 | A        | 0.3 |
| 7 | <input type="checkbox"/> | 10000.000 | 9934.681   | 37989663.04 | 77.0897 | A        | 1.2 |
| 8 | <input type="checkbox"/> |           |            | 17743.93    | 0.0358  | P        | 3.3 |

$$y = 0.0078 * x + 0.0032$$

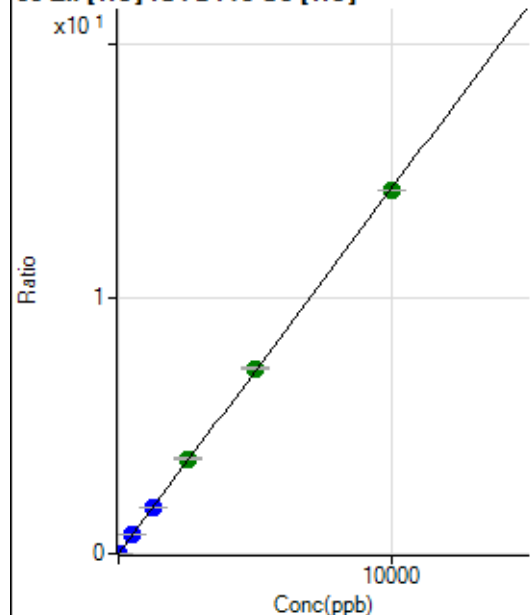
$$R = 0.9999$$

$$DL = 0.08469$$

$$BEC = 0.4092$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 321.12     | 0.0006  | P   | 7.7 |
| 2 | <input type="checkbox"/> | 2.000     | 5.441      | 4566.30    | 0.0084  | P   | 2.5 |
| 3 | <input type="checkbox"/> | 500.000   | 510.863    | 397271.79  | 0.7325  | P   | 0.2 |
| 4 | <input type="checkbox"/> | 1250.000  | 1279.958   | 962771.62  | 1.8345  | P   | 1.2 |
| 5 | <input type="checkbox"/> | 2500.000  | 2600.852   | 1893652.05 | 3.7270  | A   | 1.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 5070.485   | 3581918.66 | 7.2654  | A   | 0.5 |
| 7 | <input type="checkbox"/> | 10000.000 | 9935.256   | 7015355.31 | 14.2354 | A   | 0.2 |
| 8 | <input type="checkbox"/> |           |            | 7979.97    | 0.0161  | P   | 1.9 |

$$y = 0.0014 * x + 5.9297E-004$$

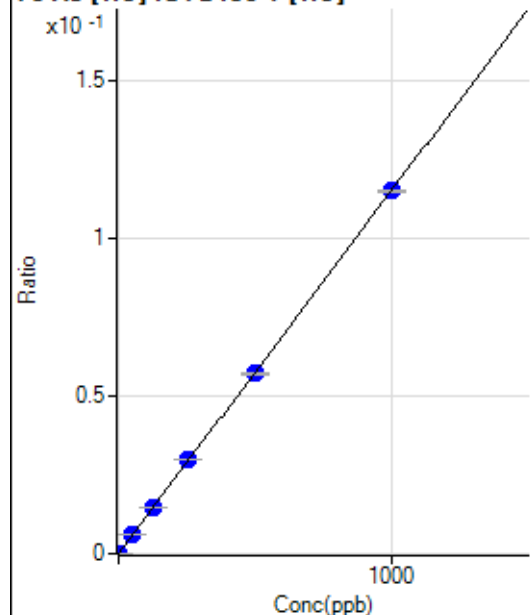
$$R = 0.9999$$

$$DL = 0.09617$$

$$BEC = 0.4139$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 11.11     | 0.0000 | P   | 17.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.217      | 700.02    | 0.0001 | P   | 5.5  |
| 3 | <input type="checkbox"/> | 50.000   | 51.493     | 28981.63  | 0.0059 | P   | 0.5  |
| 4 | <input type="checkbox"/> | 125.000  | 128.527    | 70812.16  | 0.0148 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 258.510    | 136367.17 | 0.0297 | P   | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 496.455    | 258556.23 | 0.0571 | P   | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.129    | 517524.91 | 0.1150 | P   | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 477.79    | 0.0001 | P   | 4.9  |

$$y = 1.1505E-004 * x + 2.2583E-006$$

$$R = 0.9999$$

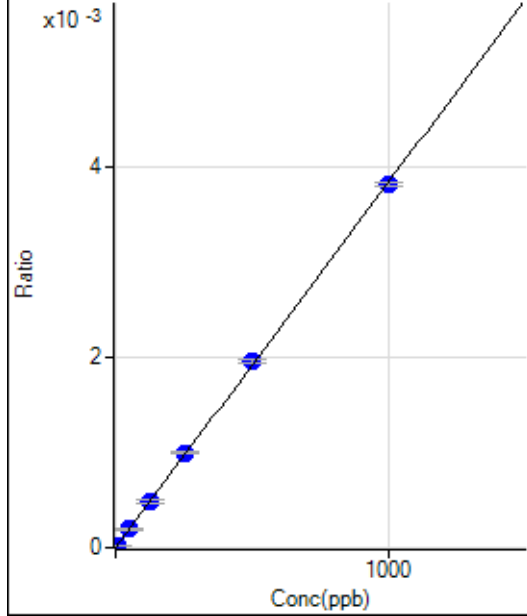
$$DL = 0.01004$$

$$BEC = 0.01963$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00     | 0.0000 | P   |      |
| 2 | <input type="checkbox"/> | 5.000    | 6.535      | 123.33   | 0.0000 | P   | 14.9 |
| 3 | <input type="checkbox"/> | 50.000   | 52.037     | 976.71   | 0.0002 | P   | 9.1  |
| 4 | <input type="checkbox"/> | 125.000  | 126.584    | 2325.76  | 0.0005 | P   | 4.8  |
| 5 | <input type="checkbox"/> | 250.000  | 259.762    | 4569.63  | 0.0010 | P   | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 508.817    | 8837.15  | 0.0020 | P   | 2.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.844    | 17152.24 | 0.0038 | P   | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 17.78    | 0.0000 | P   | 57.3 |

$$y = 3.8373\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9999$$

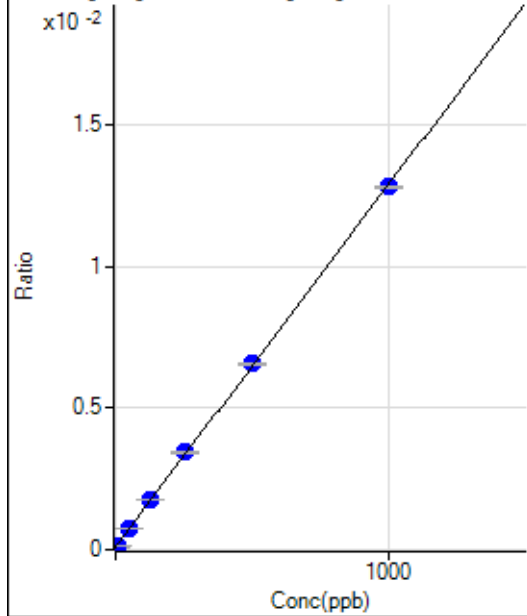
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 474.46   | 0.0001 | P   | 10.3 |
| 2 | <input type="checkbox"/> | 5.000    | 4.963      | 787.81   | 0.0002 | P   | 2.4  |
| 3 | <input type="checkbox"/> | 50.000   | 51.852     | 3721.61  | 0.0008 | P   | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 130.474    | 8468.04  | 0.0018 | P   | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 260.551    | 15751.81 | 0.0034 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 505.446    | 29758.85 | 0.0066 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.863    | 57776.64 | 0.0128 | P   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 410.01   | 0.0001 | P   | 11.8 |

$$y = 1.2816\text{E-}005 * x + 9.6480\text{E-}005$$

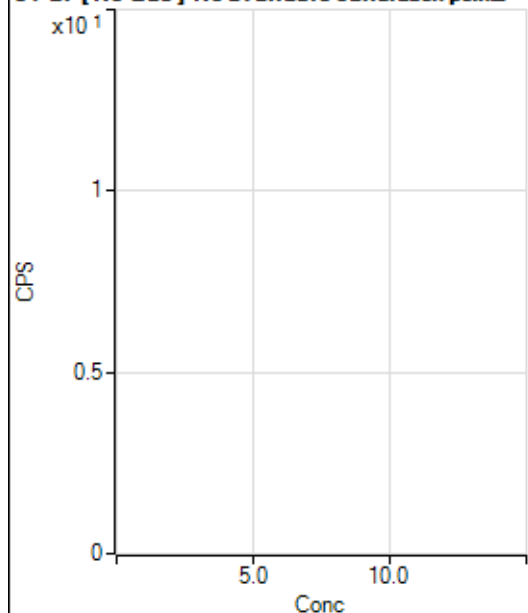
$$R = 0.9999$$

$$DL = 2.331$$

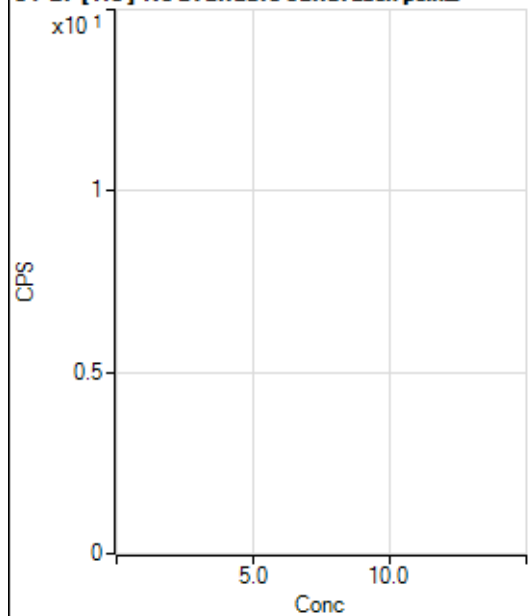
$$BEC = 7.528$$

Weight: &lt;None&gt;

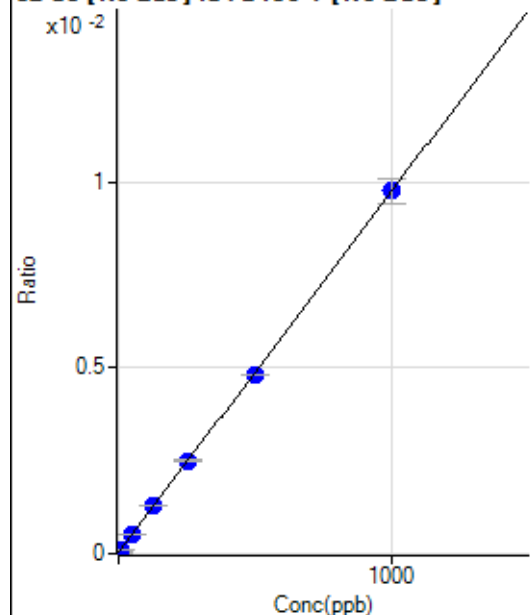
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 17057.73 |       | P        | 1.3 |
| 2 | <input type="checkbox"/> |       |            | 16908.69 |       | P        | 1.1 |
| 3 | <input type="checkbox"/> |       |            | 16541.59 |       | P        | 1.3 |
| 4 | <input type="checkbox"/> |       |            | 16241.26 |       | P        | 1.6 |
| 5 | <input type="checkbox"/> |       |            | 15615.01 |       | P        | 2.3 |
| 6 | <input type="checkbox"/> |       |            | 14456.07 |       | P        | 1.6 |
| 7 | <input type="checkbox"/> |       |            | 14004.49 |       | P        | 1.7 |
| 8 | <input type="checkbox"/> |       |            | 15237.95 |       | P        | 2.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 14.8 |
| 2 | <input type="checkbox"/> |       |            | 126.67 |       | P        | 23.4 |
| 3 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 2.2  |
| 4 | <input type="checkbox"/> |       |            | 98.89  |       | P        | 19.5 |
| 5 | <input type="checkbox"/> |       |            | 80.00  |       | P        | 20.8 |
| 6 | <input type="checkbox"/> |       |            | 94.44  |       | P        | 13.4 |
| 7 | <input type="checkbox"/> |       |            | 85.55  |       | P        | 18.4 |
| 8 | <input type="checkbox"/> |       |            | 112.22 |       | P        | 10.4 |

**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      | 423.35    | 0.0000 | P   | 8.0  |
| 2 | <input type="checkbox"/> | 5.000    | 5.435      | 1267.64   | 0.0001 | P   | 2.9  |
| 3 | <input type="checkbox"/> | 50.000   | 52.299     | 8506.28   | 0.0005 | P   | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 129.297    | 19949.07  | 0.0013 | P   | 2.1  |
| 5 | <input type="checkbox"/> | 250.000  | 253.802    | 38076.83  | 0.0025 | P   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 493.666    | 70638.23  | 0.0048 | P   | 0.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.562   | 137273.28 | 0.0098 | P   | 7.0  |
| 8 | <input type="checkbox"/> |          |            | 613.93    | 0.0000 | P   | 10.6 |

$$y = 9.7262\text{E-}006 * x + 2.6860\text{E-}005$$

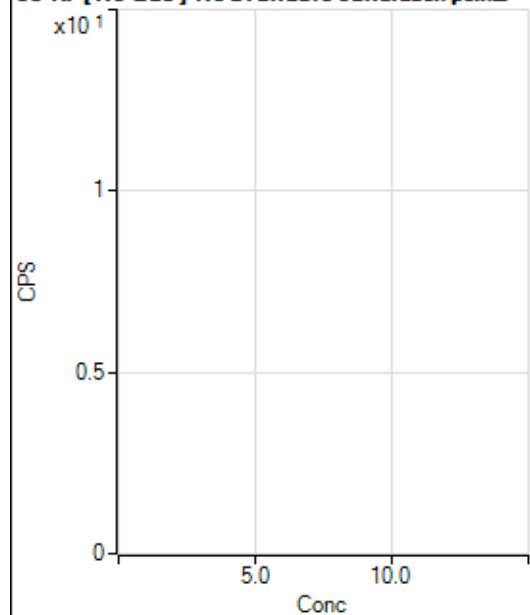
$$R = 1.0000$$

$$DL = 0.66$$

$$BEC = 2.762$$

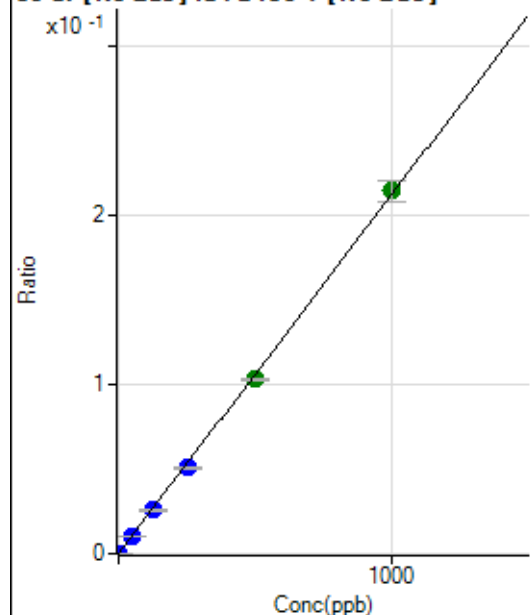
Weight: &lt;None&gt;

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"/> |       |            | 198.89 |       | P   | 24.4 |
| 2 | <input type="checkbox"/> |       |            | 171.11 |       | P   | 14.4 |
| 3 | <input type="checkbox"/> |       |            | 211.12 |       | P   | 10.7 |
| 4 | <input type="checkbox"/> |       |            | 148.89 |       | P   | 3.4  |
| 5 | <input type="checkbox"/> |       |            | 164.45 |       | P   | 20.7 |
| 6 | <input type="checkbox"/> |       |            | 187.78 |       | P   | 8.9  |
| 7 | <input type="checkbox"/> |       |            | 175.56 |       | P   | 4.4  |
| 8 | <input type="checkbox"/> |       |            | 195.56 |       | P   | 16.8 |

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 282.23     | 0.0000 | P    | 6.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.973      | 3560.46    | 0.0002 | P    | 3.0 |
| 3 | <input type="checkbox"/> | 50.000   | 48.366     | 162999.83  | 0.0103 | P    | 1.5 |
| 4 | <input type="checkbox"/> | 125.000  | 121.078    | 398627.64  | 0.0257 | P    | 1.2 |
| 5 | <input type="checkbox"/> | 250.000  | 238.850    | 772240.02  | 0.0506 | P    | 1.2 |
| 6 | <input type="checkbox"/> | 500.000  | 484.941    | 1502986.11 | 0.1027 | A    | 0.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 1010.889   | 3010598.05 | 0.2141 | A    | 5.8 |
| 8 | <input type="checkbox"/> |          |            | 10671.75   | 0.0008 | P    | 1.9 |

$$y = 2.1181\text{E-}004 * x + 1.7903\text{E-}005$$

$$R = 0.9998$$

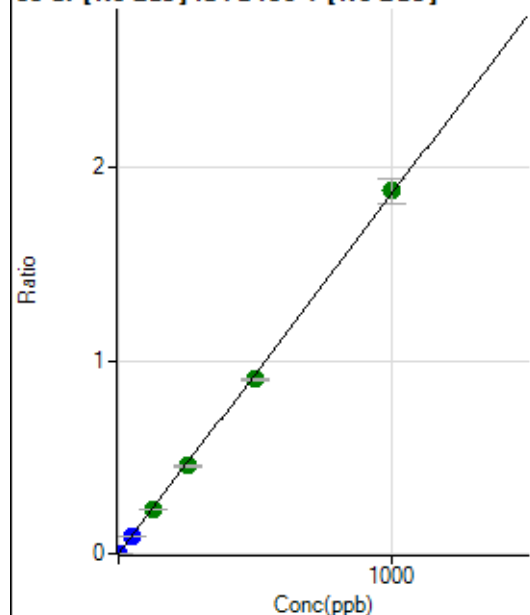
$$DL = 0.01601$$

$$BEC = 0.08452$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 142.22      | 0.0000 | P    | 13.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.962      | 28596.71    | 0.0018 | P    | 1.1  |
| 3 | <input type="checkbox"/> | 50.000   | 48.400     | 1430156.16  | 0.0900 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 123.940    | 3581087.79  | 0.2306 | A    | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 244.569    | 6941897.61  | 0.4549 | A    | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 484.621    | 13188706.06 | 0.9015 | A    | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1009.260   | 26380901.00 | 1.8774 | A    | 7.1  |
| 8 | <input type="checkbox"/> |          |            | 92769.04    | 0.0066 | P    | 1.2  |

$$y = 0.0019 * x + 9.0196\text{E-}006$$

$$R = 0.9998$$

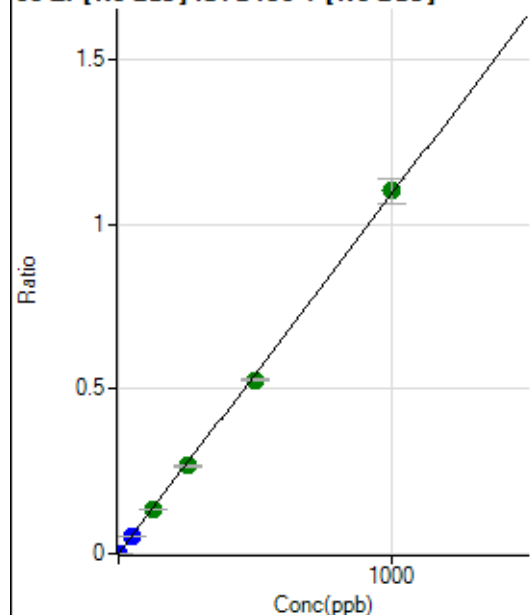
$$DL = 0.001954$$

$$BEC = 0.004849$$

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      | 531.13      | 0.0000 | P   | 3.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.996      | 17830.90    | 0.0011 | P   | 1.8 |
| 3 | <input type="checkbox"/> | 50.000   | 48.327     | 838994.21   | 0.0528 | P   | 0.7 |
| 4 | <input type="checkbox"/> | 125.000  | 123.567    | 2097096.19  | 0.1350 | A   | 0.8 |
| 5 | <input type="checkbox"/> | 250.000  | 244.377    | 4073693.13  | 0.2670 | A   | 0.9 |
| 6 | <input type="checkbox"/> | 500.000  | 483.883    | 7732797.39  | 0.5286 | A   | 0.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 1009.727   | 15499970.32 | 1.1029 | A   | 6.9 |
| 8 | <input type="checkbox"/> |          |            | 15461.57    | 0.0011 | P   | 5.7 |

$$y = 0.0011 * x + 3.3696E-005$$

$$R = 0.9998$$

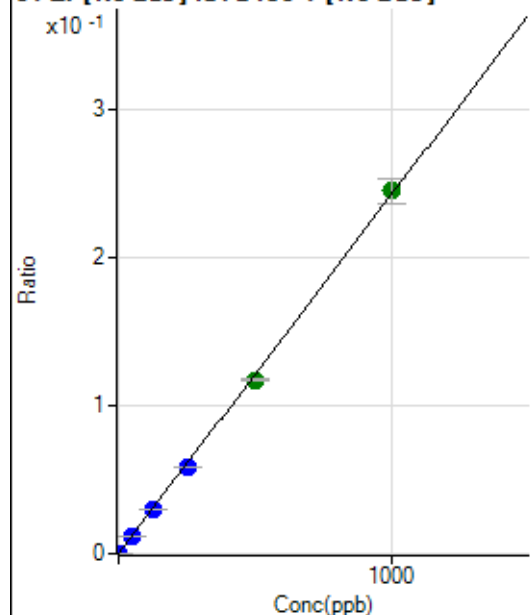
$$DL = 0.002744$$

$$BEC = 0.03085$$

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      | 112.22     | 0.0000 | P   | 29.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.977      | 3874.99    | 0.0002 | P   | 0.8  |
| 3 | <input type="checkbox"/> | 50.000   | 48.534     | 186883.74  | 0.0118 | P   | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 121.637    | 457876.40  | 0.0295 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 242.001    | 894780.20  | 0.0586 | P   | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 484.377    | 1716956.63 | 0.1174 | A   | 1.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1010.305   | 3440351.03 | 0.2448 | A   | 6.6  |
| 8 | <input type="checkbox"/> |          |            | 3357.09    | 0.0002 | P   | 11.9 |

$$y = 2.4227E-004 * x + 7.1208E-006$$

$$R = 0.9998$$

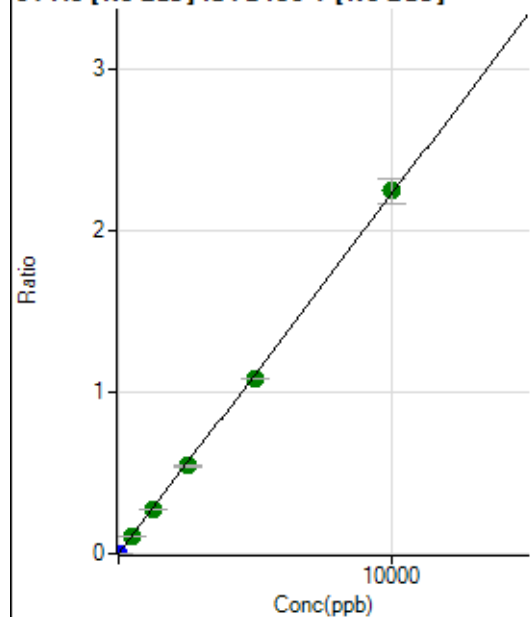
$$DL = 0.02592$$

$$BEC = 0.02939$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 248.89      | 0.0000 | P    | 9.0  |
| 2 | <input type="checkbox"/> | 5.000     | 5.877      | 21010.72    | 0.0013 | P    | 1.8  |
| 3 | <input type="checkbox"/> | 500.000   | 491.574    | 1735229.00  | 0.1092 | A    | 1.0  |
| 4 | <input type="checkbox"/> | 1250.000  | 1234.472   | 4261374.69  | 0.2743 | A    | 0.2  |
| 5 | <input type="checkbox"/> | 2500.000  | 2446.084   | 8293935.92  | 0.5435 | A    | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 4854.231   | 15780301.85 | 1.0786 | A    | 0.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 10088.725  | 31504525.92 | 2.2417 | A    | 6.8  |
| 8 | <input type="checkbox"/> |           |            | 19848.11    | 0.0014 | P    | 11.6 |

$$y = 2.2220\text{E-}004 * x + 1.5793\text{E-}005$$

$$R = 0.9998$$

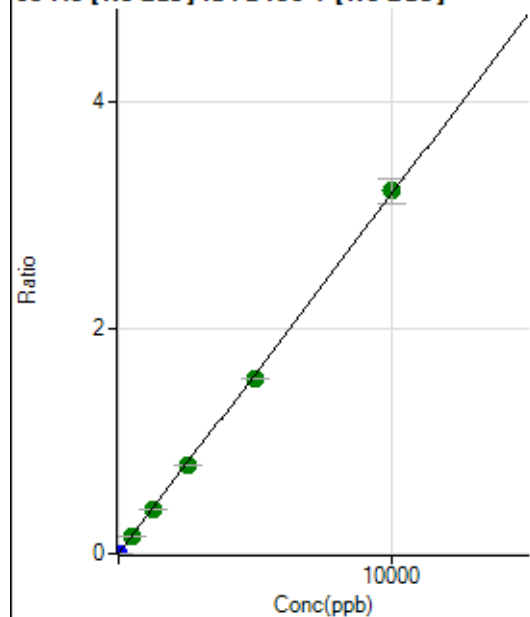
$$DL = 0.01918$$

$$BEC = 0.07107$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 124.44      | 0.0000 | P    | 14.8 |
| 2 | <input type="checkbox"/> | 5.000     | 5.094      | 25946.41    | 0.0016 | P    | 1.6  |
| 3 | <input type="checkbox"/> | 500.000   | 493.675    | 2500447.44  | 0.1574 | A    | 0.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1235.033   | 6117190.40  | 0.3938 | A    | 0.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2454.188   | 11940699.27 | 0.7825 | A    | 1.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 4850.266   | 22625722.72 | 1.5465 | A    | 0.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 10088.507  | 45204773.77 | 3.2168 | A    | 7.0  |
| 8 | <input type="checkbox"/> |           |            | 24845.82    | 0.0018 | P    | 12.1 |

$$y = 3.1885\text{E-}004 * x + 7.8907\text{E-}006$$

$$R = 0.9998$$

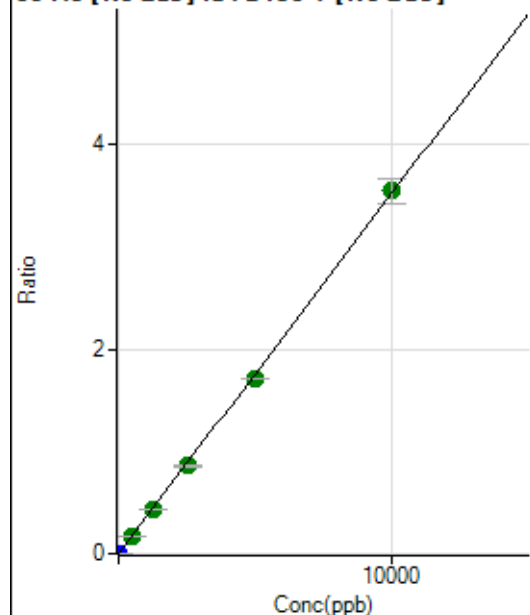
$$DL = 0.01098$$

$$BEC = 0.02475$$

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      | 177.78      | 0.0000 | P        | 18.4 |
| 2 | <input type="checkbox"/> | 5.000     | 5.163      | 29065.60    | 0.0018 | P        | 1.8  |
| 3 | <input type="checkbox"/> | 500.000   | 495.025    | 2766964.68  | 0.1742 | A        | 1.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1231.882   | 6733755.94  | 0.4335 | A        | 0.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2437.837   | 13090260.08 | 0.8578 | A        | 1.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4873.563   | 25089335.74 | 1.7149 | A        | 0.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 10081.273  | 49854573.15 | 3.5474 | A        | 6.9  |
| 8 | <input type="checkbox"/> |           |            | 36628.33    | 0.0026 | P        | 9.2  |

$$y = 3.5188E-004 * x + 1.1277E-005$$

R = 0.9999

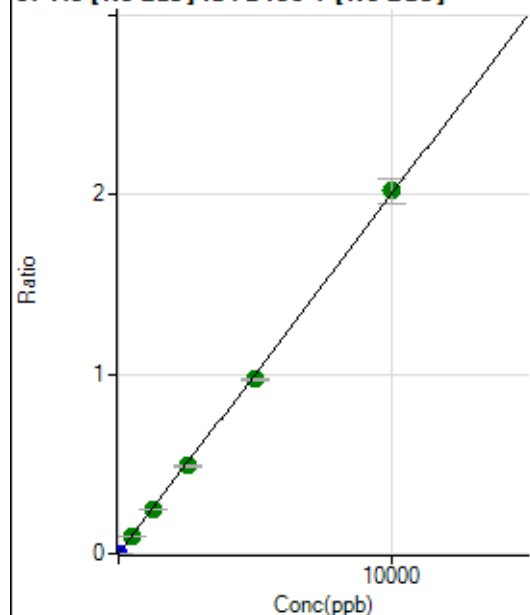
DL = 0.01769

BEC = 0.03205

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      | 66.67       | 0.0000 | P        | 8.6  |
| 2 | <input type="checkbox"/> | 5.000     | 4.987      | 15929.87    | 0.0010 | P        | 2.5  |
| 3 | <input type="checkbox"/> | 500.000   | 486.705    | 1546723.90  | 0.0974 | A        | 1.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1230.696   | 3824723.52  | 0.2462 | A        | 1.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2434.576   | 7432775.93  | 0.4871 | A        | 1.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 4850.344   | 14197512.01 | 0.9704 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 10094.262  | 28380653.74 | 2.0196 | A        | 7.1  |
| 8 | <input type="checkbox"/> |           |            | 15606.31    | 0.0011 | P        | 12.7 |

$$y = 2.0008E-004 * x + 4.2291E-006$$

R = 0.9998

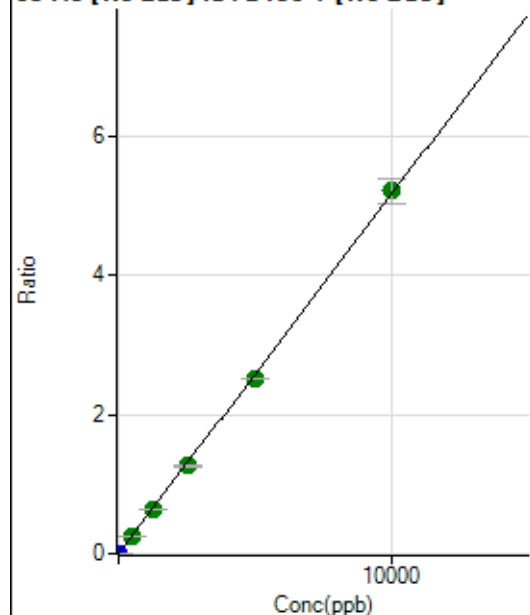
DL = 0.005469

BEC = 0.02114

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 207.78      | 0.0000 | P   | 13.8 |
| 2 | <input type="checkbox"/> | 5.000     | 5.030      | 41596.82    | 0.0026 | P   | 1.8  |
| 3 | <input type="checkbox"/> | 500.000   | 490.027    | 4028236.29  | 0.2536 | A   | 0.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1233.333   | 9913788.46  | 0.6383 | A   | 1.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2438.751   | 19258231.80 | 1.2620 | A   | 1.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 4856.410   | 36767441.95 | 2.5132 | A   | 0.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 10089.689  | 73375495.57 | 5.2213 | A   | 7.0  |
| 8 | <input type="checkbox"/> |           |            | 38949.24    | 0.0028 | P   | 12.8 |

$$y = 5.1749\text{E-}004 * x + 1.3187\text{E-}005$$

$$R = 0.9998$$

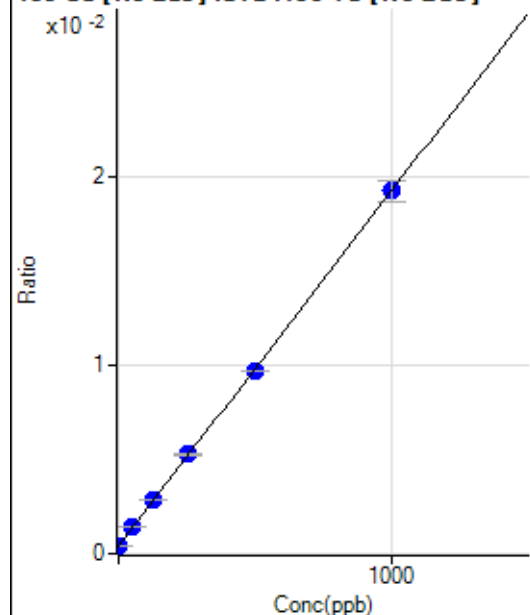
$$DL = 0.01057$$

$$BEC = 0.02548$$

Weight: &lt;None&gt;

Min Conc: 0

106 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      | 5483.31   | 0.0004 | P   | 3.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.399      | 5876.79   | 0.0004 | P   | 0.9 |
| 3 | <input type="checkbox"/> | 50.000   | 55.100     | 19662.28  | 0.0014 | P   | 1.4 |
| 4 | <input type="checkbox"/> | 125.000  | 131.969    | 39366.60  | 0.0029 | P   | 0.2 |
| 5 | <input type="checkbox"/> | 250.000  | 259.335    | 71726.93  | 0.0053 | P   | 1.8 |
| 6 | <input type="checkbox"/> | 500.000  | 493.580    | 129786.66 | 0.0097 | P   | 0.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 999.750    | 248210.06 | 0.0192 | P   | 5.6 |
| 8 | <input type="checkbox"/> |          |            | 5266.56   | 0.0004 | P   | 4.8 |

$$y = 1.8820\text{E-}005 * x + 4.0706\text{E-}004$$

$$R = 0.9999$$

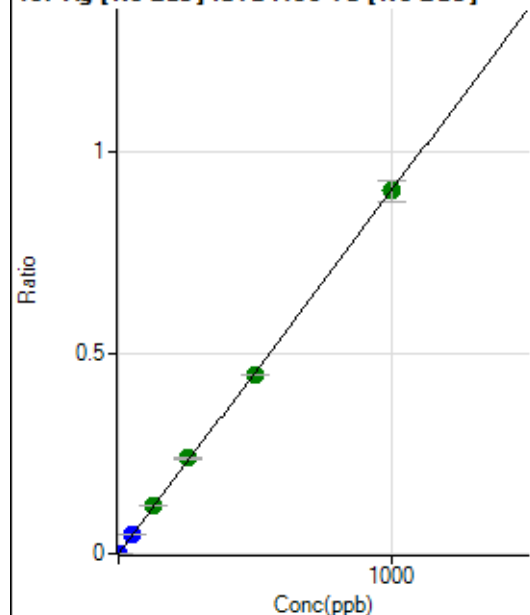
$$DL = 2.392$$

$$BEC = 21.63$$

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      | 77.78       | 0.0000 | P   | 6.7  |
| 2 | <input type="checkbox"/> | 1.000    | 1.049      | 12943.65    | 0.0010 | P   | 2.0  |
| 3 | <input type="checkbox"/> | 50.000   | 52.970     | 652412.45   | 0.0479 | P   | 0.5  |
| 4 | <input type="checkbox"/> | 125.000  | 131.825    | 1623688.74  | 0.1192 | A   | 1.8  |
| 5 | <input type="checkbox"/> | 250.000  | 262.273    | 3218392.94  | 0.2372 | A   | 2.2  |
| 6 | <input type="checkbox"/> | 500.000  | 493.865    | 5979403.73  | 0.4467 | A   | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.998    | 11665598.16 | 0.9036 | A   | 6.1  |
| 8 | <input type="checkbox"/> |          |            | 6629.37     | 0.0005 | P   | 12.0 |

$$y = 9.0450\text{E-}004 * x + 5.7748\text{E-}006$$

$$R = 0.9999$$

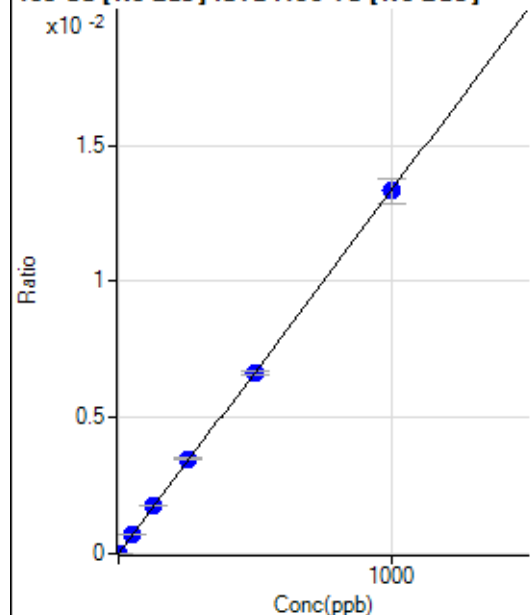
$$DL = 0.00128$$

$$BEC = 0.006385$$

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      | 13.34     | 0.0000 | P   | 42.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.937      | 183.34    | 0.0000 | P   | 26.0 |
| 3 | <input type="checkbox"/> | 50.000   | 53.551     | 9748.91   | 0.0007 | P   | 2.0  |
| 4 | <input type="checkbox"/> | 125.000  | 131.272    | 23881.93  | 0.0018 | P   | 2.4  |
| 5 | <input type="checkbox"/> | 250.000  | 260.906    | 47272.27  | 0.0035 | P   | 2.1  |
| 6 | <input type="checkbox"/> | 500.000  | 496.143    | 88684.00  | 0.0066 | P   | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.240    | 172064.95 | 0.0133 | P   | 6.7  |
| 8 | <input type="checkbox"/> |          |            | 144.45    | 0.0000 | P   | 4.0  |

$$y = 1.3353\text{E-}005 * x + 9.8767\text{E-}007$$

$$R = 0.9999$$

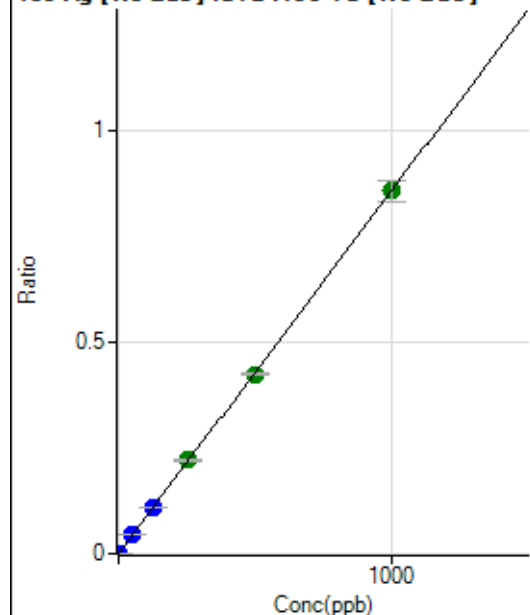
$$DL = 0.09484$$

$$BEC = 0.07396$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 48.89       | 0.0000 | P        | 20.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.034      | 12062.89    | 0.0009 | P        | 3.2  |
| 3 | <input type="checkbox"/> | 50.000   | 52.329     | 610640.21   | 0.0448 | P        | 0.5  |
| 4 | <input type="checkbox"/> | 125.000  | 128.635    | 1501225.98  | 0.1102 | P        | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 258.701    | 3007287.32  | 0.2217 | A        | 2.4  |
| 6 | <input type="checkbox"/> | 500.000  | 494.582    | 5673439.85  | 0.4239 | A        | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.963    | 11063778.73 | 0.8570 | A        | 6.0  |
| 8 | <input type="checkbox"/> |          |            | 6188.04     | 0.0005 | P        | 7.3  |

$$y = 8.5699\text{E-}004 * x + 3.6304\text{E-}006$$

$$R = 0.9999$$

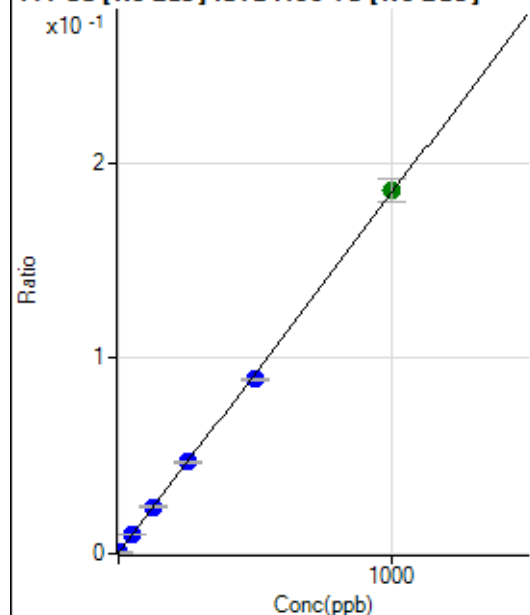
$$DL = 0.002651$$

$$BEC = 0.004236$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3838.98    | 0.0003 | P        | 3.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.143      | 6720.15    | 0.0005 | P        | 1.6 |
| 3 | <input type="checkbox"/> | 50.000   | 52.463     | 135415.36  | 0.0099 | P        | 1.2 |
| 4 | <input type="checkbox"/> | 125.000  | 129.342    | 328212.32  | 0.0241 | P        | 1.3 |
| 5 | <input type="checkbox"/> | 250.000  | 252.313    | 634145.73  | 0.0467 | P        | 1.2 |
| 6 | <input type="checkbox"/> | 500.000  | 484.419    | 1197752.18 | 0.0895 | P        | 1.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 1006.546   | 2396334.32 | 0.1856 | A        | 6.3 |
| 8 | <input type="checkbox"/> |          |            | 4836.66    | 0.0004 | P        | 6.6 |

$$y = 1.8415\text{E-}004 * x + 2.8499\text{E-}004$$

$$R = 0.9998$$

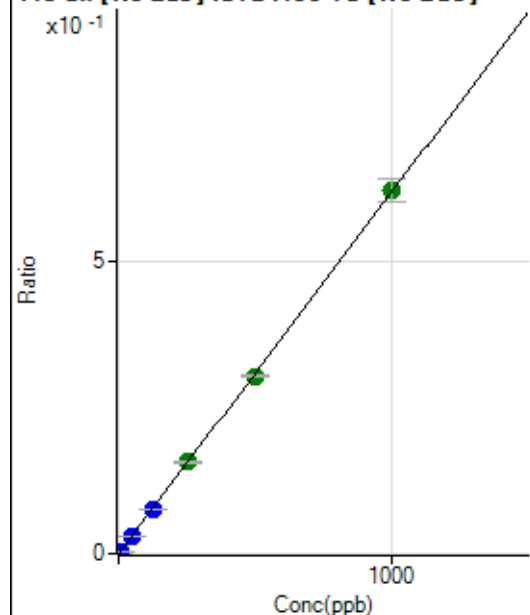
$$DL = 0.1652$$

$$BEC = 1.548$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1197.84    | 0.0001 | P    | 7.5 |
| 2 | <input type="checkbox"/> | 5.000    | 5.091      | 43796.26   | 0.0032 | P    | 1.7 |
| 3 | <input type="checkbox"/> | 50.000   | 49.710     | 418844.42  | 0.0308 | P    | 0.7 |
| 4 | <input type="checkbox"/> | 125.000  | 122.479    | 1030346.39 | 0.0757 | P    | 1.3 |
| 5 | <input type="checkbox"/> | 250.000  | 252.967    | 2118644.33 | 0.1562 | A    | 1.5 |
| 6 | <input type="checkbox"/> | 500.000  | 490.551    | 4052673.03 | 0.3028 | A    | 0.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 1004.312   | 8000917.17 | 0.6198 | A    | 6.3 |
| 8 | <input type="checkbox"/> |          |            | 5028.71    | 0.0004 | P    | 9.5 |

$$y = 6.1705\text{E-}004 * x + 8.8970\text{E-}005$$

$$R = 0.9999$$

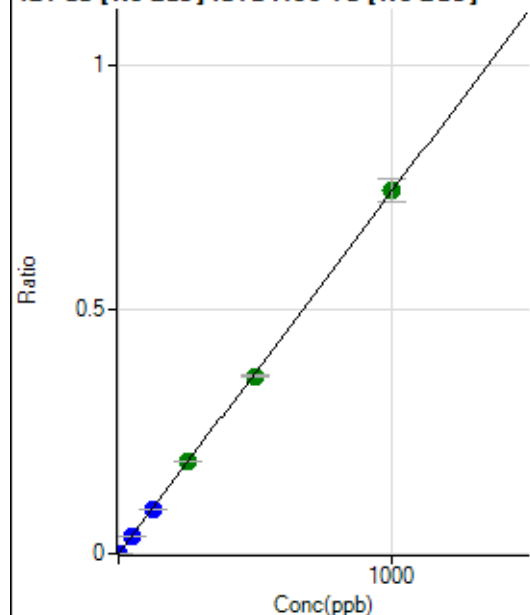
$$DL = 0.0324$$

$$BEC = 0.1442$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 47.78      | 0.0000 | P    | 20.5 |
| 2 | <input type="checkbox"/> | 2.000    | 2.040      | 20562.55   | 0.0015 | P    | 0.5  |
| 3 | <input type="checkbox"/> | 50.000   | 49.513     | 499925.57  | 0.0367 | P    | 1.4  |
| 4 | <input type="checkbox"/> | 125.000  | 123.253    | 1244600.11 | 0.0914 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 255.257    | 2567721.58 | 0.1893 | A    | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 491.469    | 4877910.79 | 0.3644 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.194   | 9602248.47 | 0.7439 | A    | 6.5  |
| 8 | <input type="checkbox"/> |          |            | 7187.44    | 0.0006 | P    | 12.2 |

$$y = 7.4154\text{E-}004 * x + 3.5428\text{E-}006$$

$$R = 0.9999$$

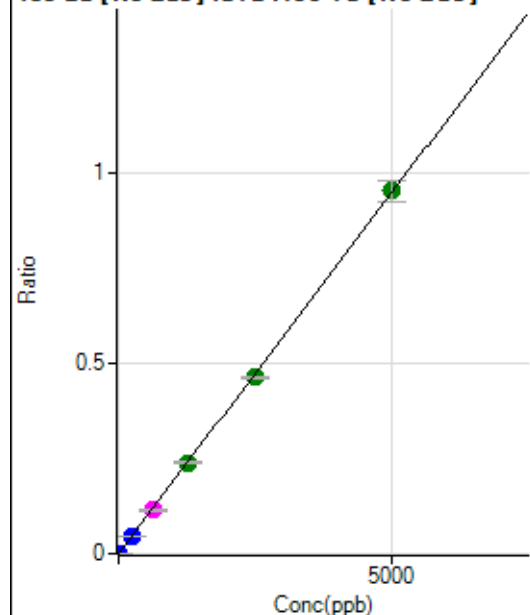
$$DL = 0.002936$$

$$BEC = 0.004778$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 32.22       | 0.0000 | P        | 58.6 |
| 2 | <input type="checkbox"/> | 10.000   | 10.230     | 26260.93    | 0.0019 | P        | 2.4  |
| 3 | <input type="checkbox"/> | 250.000  | 242.100    | 623371.45   | 0.0458 | P        | 0.5  |
| 4 | <input type="checkbox"/> | 625.000  | 611.045    | 1573231.82  | 0.1156 | M        | 4.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1257.284   | 3225185.68  | 0.2378 | A        | 1.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2444.117   | 6186261.23  | 0.4622 | A        | 1.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5028.259   | 12275386.07 | 0.9509 | A        | 6.1  |
| 8 | <input type="checkbox"/> |          |            | 11272.33    | 0.0009 | P        | 7.6  |

$$y = 1.8910E-004 * x + 2.3928E-006$$

$$R = 0.9999$$

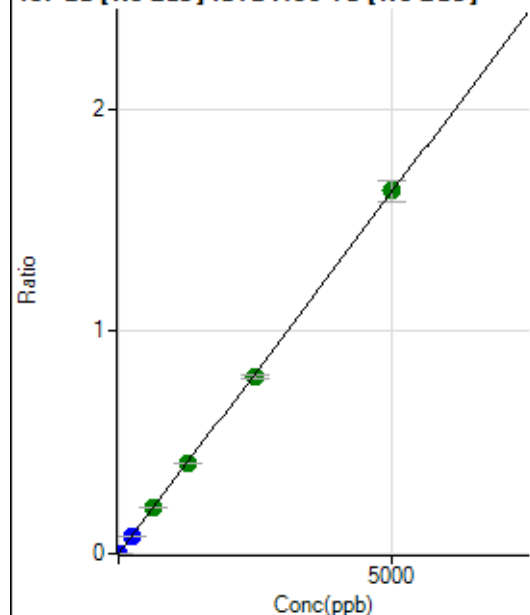
$$DL = 0.02226$$

$$BEC = 0.01265$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.11       | 0.0000 | P        | 10.5 |
| 2 | <input type="checkbox"/> | 10.000   | 10.303     | 45448.98    | 0.0034 | P        | 0.9  |
| 3 | <input type="checkbox"/> | 250.000  | 245.376    | 1085536.94  | 0.0797 | P        | 0.8  |
| 4 | <input type="checkbox"/> | 625.000  | 635.339    | 2811059.23  | 0.2064 | A        | 1.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1255.919   | 5535619.23  | 0.4081 | A        | 1.1  |
| 6 | <input type="checkbox"/> | 2500.000 | 2448.115   | 10646050.95 | 0.7954 | A        | 1.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 5023.401   | 21073795.94 | 1.6322 | A        | 5.7  |
| 8 | <input type="checkbox"/> |          |            | 19059.57    | 0.0015 | P        | 6.2  |

$$y = 3.2491E-004 * x + 4.5340E-006$$

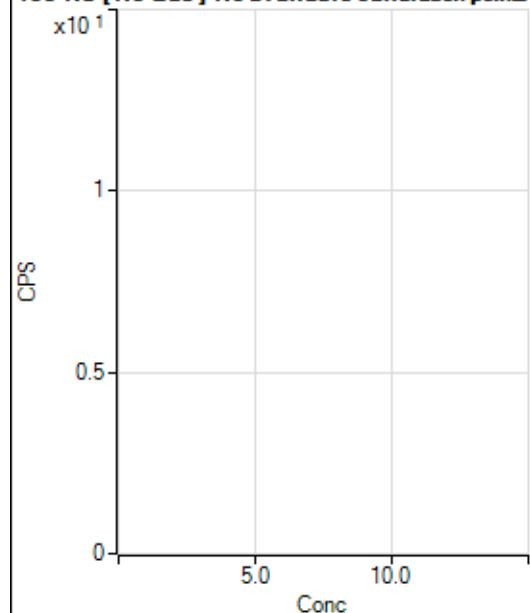
$$R = 0.9999$$

$$DL = 0.004391$$

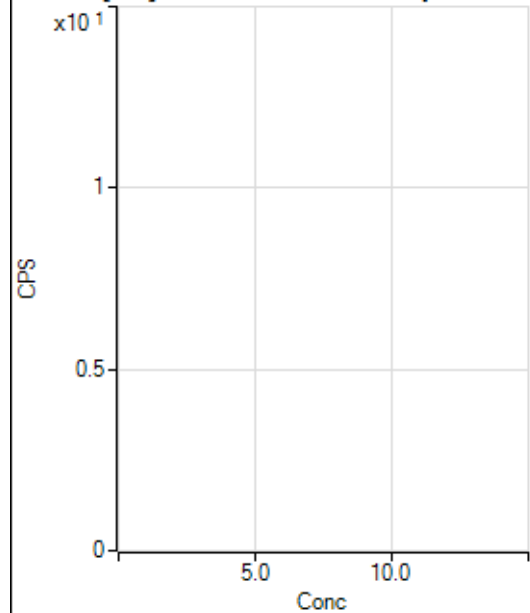
$$BEC = 0.01395$$

Weight: &lt;None&gt;

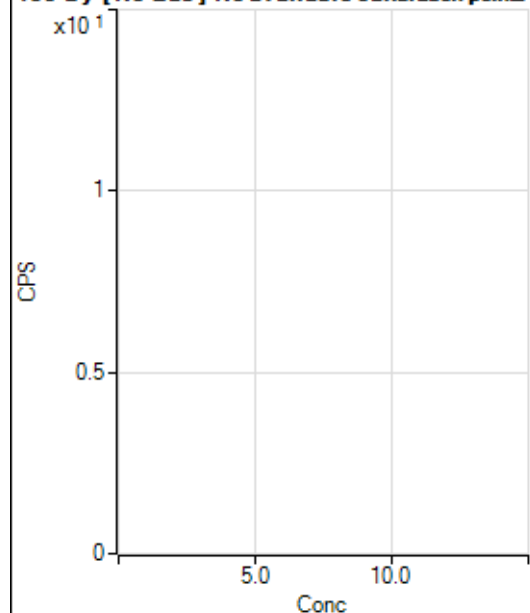
Min Conc: 0

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

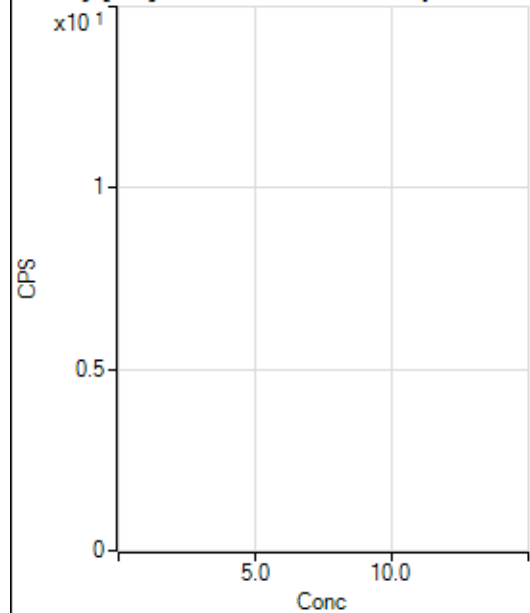
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 50.0 |
| 2 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 114. |
| 3 | <input type="checkbox"/> |       |            | 45.56  |       | P        | 18.4 |
| 4 | <input type="checkbox"/> |       |            | 135.56 |       | P        | 12.6 |
| 5 | <input type="checkbox"/> |       |            | 272.23 |       | P        | 7.5  |
| 6 | <input type="checkbox"/> |       |            | 482.24 |       | P        | 7.3  |
| 7 | <input type="checkbox"/> |       |            | 954.49 |       | P        | 3.6  |
| 8 | <input type="checkbox"/> |       |            | 230.01 |       | P        | 9.5  |

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

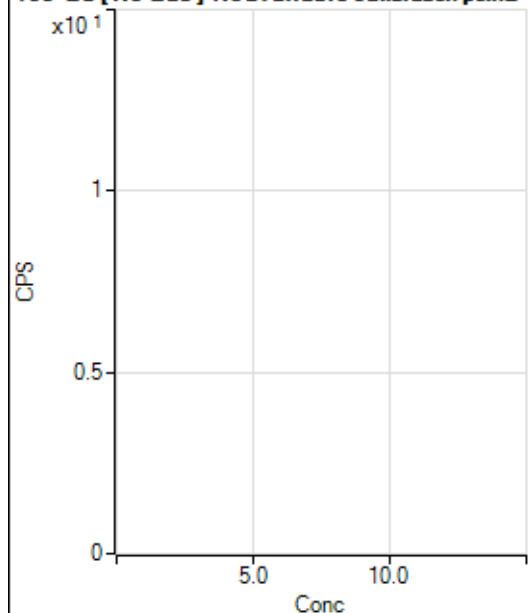
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 132. |
| 3 | <input type="checkbox"/> |       |            | 13.33  |       | P        | 66.1 |
| 4 | <input type="checkbox"/> |       |            | 37.78  |       | P        | 22.2 |
| 5 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 26.5 |
| 6 | <input type="checkbox"/> |       |            | 137.78 |       | P        | 20.1 |
| 7 | <input type="checkbox"/> |       |            | 261.11 |       | P        | 13.8 |
| 8 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 11.8 |

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

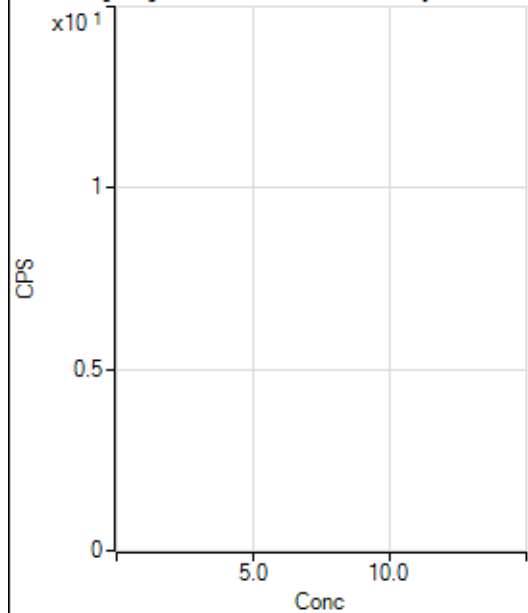
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 7.78   |       | P        | 24.7 |
| 2 | <input type="checkbox"/> |       |            | 10.00  |       | P        | 0.0  |
| 3 | <input type="checkbox"/> |       |            | 20.00  |       | P        | 44.1 |
| 4 | <input type="checkbox"/> |       |            | 41.11  |       | P        | 12.4 |
| 5 | <input type="checkbox"/> |       |            | 86.67  |       | P        | 7.7  |
| 6 | <input type="checkbox"/> |       |            | 142.23 |       | P        | 12.9 |
| 7 | <input type="checkbox"/> |       |            | 320.01 |       | P        | 13.8 |
| 8 | <input type="checkbox"/> |       |            | 343.34 |       | P        | 6.8  |

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

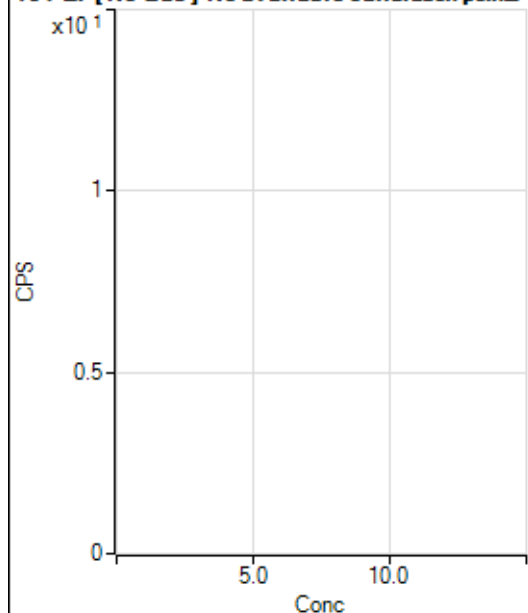
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.55   |       | P        | 124. |
| 2 | <input type="checkbox"/> |       |            | 6.66   |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 41.11  |       | P        | 20.4 |
| 4 | <input type="checkbox"/> |       |            | 118.89 |       | P        | 12.6 |
| 5 | <input type="checkbox"/> |       |            | 214.45 |       | P        | 11.7 |
| 6 | <input type="checkbox"/> |       |            | 308.90 |       | P        | 5.0  |
| 7 | <input type="checkbox"/> |       |            | 751.14 |       | P        | 4.4  |
| 8 | <input type="checkbox"/> |       |            | 316.67 |       | P        | 10.0 |

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

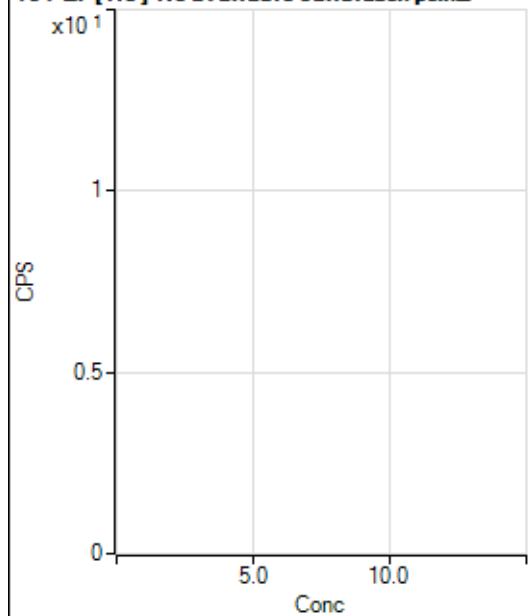
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 41.11  |       | P        | 23.4 |
| 2 | <input type="checkbox"/> |       |            | 77.78  |       | P        | 19.8 |
| 3 | <input type="checkbox"/> |       |            | 67.78  |       | P        | 18.6 |
| 4 | <input type="checkbox"/> |       |            | 86.67  |       | P        | 3.8  |
| 5 | <input type="checkbox"/> |       |            | 84.44  |       | P        | 20.3 |
| 6 | <input type="checkbox"/> |       |            | 130.00 |       | P        | 10.3 |
| 7 | <input type="checkbox"/> |       |            | 197.78 |       | P        | 12.6 |
| 8 | <input type="checkbox"/> |       |            | 401.12 |       | P        | 4.9  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 495.57 |       | P        | 8.3  |
| 2 | <input type="checkbox"/> |       |            | 475.57 |       | P        | 7.1  |
| 3 | <input type="checkbox"/> |       |            | 481.13 |       | P        | 7.3  |
| 4 | <input type="checkbox"/> |       |            | 504.46 |       | P        | 2.7  |
| 5 | <input type="checkbox"/> |       |            | 498.90 |       | P        | 11.0 |
| 6 | <input type="checkbox"/> |       |            | 523.35 |       | P        | 5.6  |
| 7 | <input type="checkbox"/> |       |            | 501.13 |       | P        | 5.6  |
| 8 | <input type="checkbox"/> |       |            | 708.92 |       | P        | 7.5  |

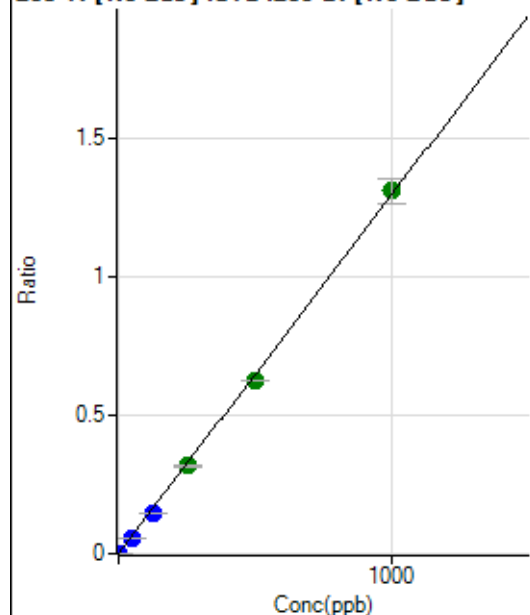
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 26.5 |
| 2 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 27.8 |
| 3 | <input type="checkbox"/> |       |            | 70.00  |       | P        | 40.7 |
| 4 | <input type="checkbox"/> |       |            | 96.67  |       | P        | 12.4 |
| 5 | <input type="checkbox"/> |       |            | 106.67 |       | P        | 6.2  |
| 6 | <input type="checkbox"/> |       |            | 155.56 |       | P        | 21.9 |
| 7 | <input type="checkbox"/> |       |            | 255.56 |       | P        | 9.9  |
| 8 | <input type="checkbox"/> |       |            | 424.46 |       | P        | 4.0  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 25.8 |
| 2 | <input type="checkbox"/> |       |            | 43.33  |       | P        | 15.4 |
| 3 | <input type="checkbox"/> |       |            | 46.67  |       | P        | 7.1  |
| 4 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 28.9 |
| 5 | <input type="checkbox"/> |       |            | 84.45  |       | P        | 4.6  |
| 6 | <input type="checkbox"/> |       |            | 114.45 |       | P        | 45.2 |
| 7 | <input type="checkbox"/> |       |            | 198.89 |       | P        | 9.2  |
| 8 | <input type="checkbox"/> |       |            | 290.01 |       | P        | 13.1 |

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 132.23      | 0.0000 | P        | 9.2  |
| 2 | <input type="checkbox"/> | 1.000    | 0.918      | 10050.45    | 0.0012 | P        | 1.0  |
| 3 | <input type="checkbox"/> | 50.000   | 44.759     | 488670.43   | 0.0581 | P        | 2.2  |
| 4 | <input type="checkbox"/> | 125.000  | 111.833    | 1228795.29  | 0.1451 | P        | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 244.268    | 2670404.55  | 0.3169 | A        | 2.0  |
| 6 | <input type="checkbox"/> | 500.000  | 483.845    | 5186863.50  | 0.6278 | A        | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1011.419   | 10340993.18 | 1.3123 | A        | 7.1  |
| 8 | <input type="checkbox"/> |          |            | 5316.66     | 0.0007 | P        | 12.5 |

$$y = 0.0013 * x + 1.5995E-005$$

$$R = 0.9997$$

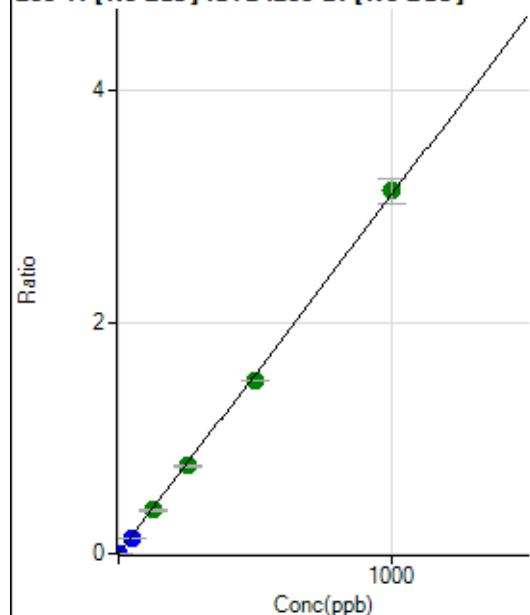
$$DL = 0.003395$$

$$BEC = 0.01233$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 333.34      | 0.0000 | P        | 5.6  |
| 2 | <input type="checkbox"/> | 1.000    | 0.903      | 23608.31    | 0.0028 | P        | 2.6  |
| 3 | <input type="checkbox"/> | 50.000   | 44.783     | 1167543.25  | 0.1388 | P        | 1.9  |
| 4 | <input type="checkbox"/> | 125.000  | 120.860    | 3170833.74  | 0.3745 | A        | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 244.202    | 6375062.75  | 0.7566 | A        | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 481.987    | 12337829.12 | 1.4933 | A        | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 1011.234   | 24688768.24 | 3.1329 | A        | 7.1  |
| 8 | <input type="checkbox"/> |          |            | 12643.78    | 0.0018 | P        | 11.6 |

$$y = 0.0031 * x + 4.0336E-005$$

$$R = 0.9997$$

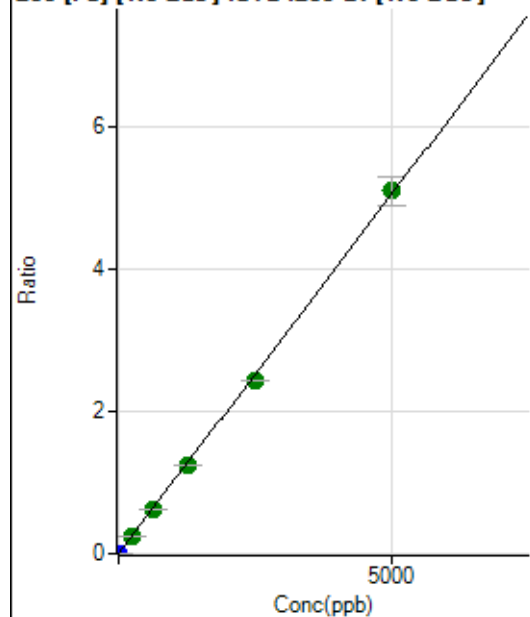
$$DL = 0.002187$$

$$BEC = 0.01302$$

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      | 767.81      | 0.0001 | P        | 7.6  |
| 2 | <input type="checkbox"/> | 1.000    | 0.946      | 8705.07     | 0.0010 | P        | 2.3  |
| 3 | <input type="checkbox"/> | 250.000  | 239.569    | 2032024.69  | 0.2415 | A        | 1.1  |
| 4 | <input type="checkbox"/> | 625.000  | 604.642    | 5160495.17  | 0.6094 | A        | 0.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1227.233   | 10421528.87 | 1.2368 | A        | 1.1  |
| 6 | <input type="checkbox"/> | 2500.000 | 2417.174   | 20126780.95 | 2.4360 | A        | 0.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 5050.171   | 40098113.01 | 5.0894 | A        | 7.6  |
| 8 | <input type="checkbox"/> |          |            | 19387.40    | 0.0027 | P        | 13.2 |

$$y = 0.0010 * x + 9.2889E-005$$

$$R = 0.9998$$

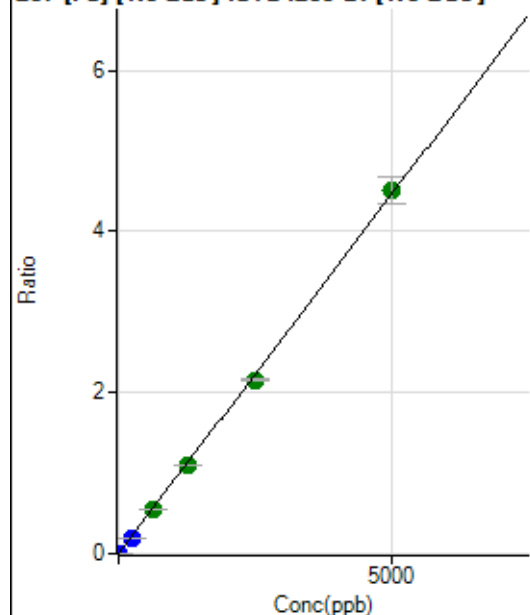
$$DL = 0.02103$$

$$BEC = 0.09217$$

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      | 676.69      | 0.0001 | P        | 5.3  |
| 2 | <input type="checkbox"/> | 1.000    | 0.948      | 7713.37     | 0.0009 | P        | 2.5  |
| 3 | <input type="checkbox"/> | 250.000  | 223.394    | 1676191.16  | 0.1992 | P        | 2.0  |
| 4 | <input type="checkbox"/> | 625.000  | 607.117    | 4583835.10  | 0.5413 | A        | 1.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1230.393   | 9243191.88  | 1.0970 | A        | 1.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2415.326   | 17791534.45 | 2.1534 | A        | 1.1  |
| 7 | <input type="checkbox"/> | 5000.000 | 5050.805   | 35482564.19 | 4.5030 | A        | 7.3  |
| 8 | <input type="checkbox"/> |          |            | 16790.62    | 0.0024 | P        | 13.9 |

$$y = 8.9153E-004 * x + 8.1855E-005$$

$$R = 0.9998$$

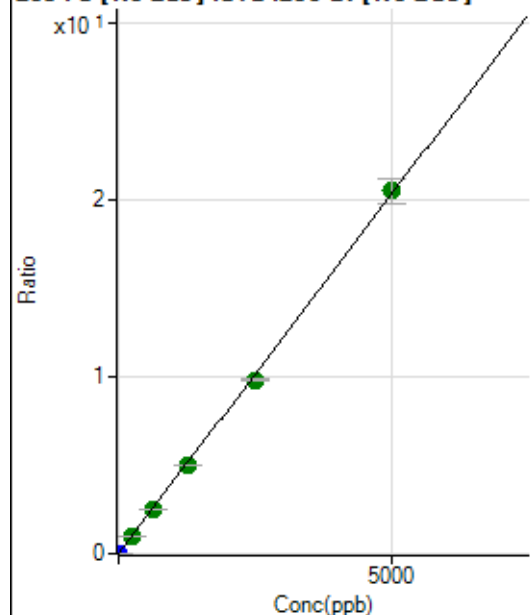
$$DL = 0.01458$$

$$BEC = 0.09181$$

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      | 3141.29     | 0.0004  | P    | 0.4  |
| 2 | <input type="checkbox"/> | 1.000    | 0.941      | 34986.78    | 0.0042  | P    | 1.3  |
| 3 | <input type="checkbox"/> | 250.000  | 237.394    | 8116358.81  | 0.9648  | A    | 1.9  |
| 4 | <input type="checkbox"/> | 625.000  | 608.482    | 20934351.49 | 2.4722  | A    | 0.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1228.502   | 42053119.03 | 4.9910  | A    | 1.2  |
| 6 | <input type="checkbox"/> | 2500.000 | 2420.359   | 81239028.65 | 9.8327  | A    | 0.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 5047.890   | 161588722.0 | 20.5066 | A    | 7.2  |
| 8 | <input type="checkbox"/> |          |            | 77607.15    | 0.0109  | P    | 12.6 |

$$y = 0.0041 * x + 3.8006E-004$$

$$R = 0.9998$$

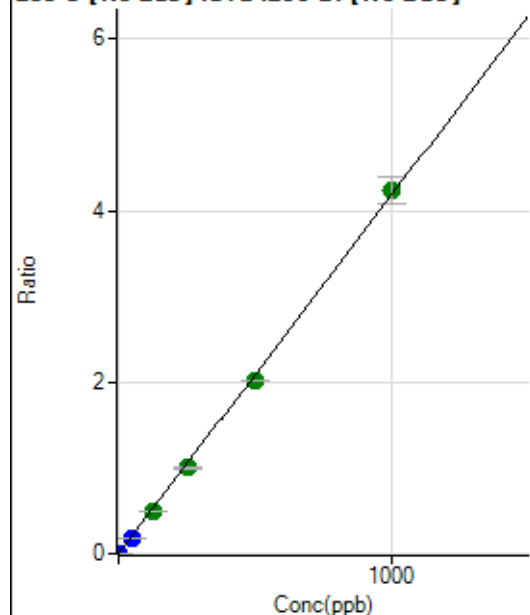
$$DL = 0.00107$$

$$BEC = 0.09356$$

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      | 24.45       | 0.0000 | P    | 28.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.891      | 31013.82    | 0.0037 | P    | 1.3  |
| 3 | <input type="checkbox"/> | 50.000   | 42.852     | 1507202.95  | 0.1792 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 125.000  | 117.118    | 4146380.18  | 0.4897 | A    | 0.2  |
| 5 | <input type="checkbox"/> | 250.000  | 240.349    | 8466648.21  | 1.0049 | A    | 1.9  |
| 6 | <input type="checkbox"/> | 500.000  | 484.026    | 16719880.58 | 2.0237 | A    | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1011.743   | 33332100.89 | 4.2300 | A    | 7.3  |
| 8 | <input type="checkbox"/> |          |            | 13487.10    | 0.0019 | P    | 17.7 |

$$y = 0.0042 * x + 2.9586E-006$$

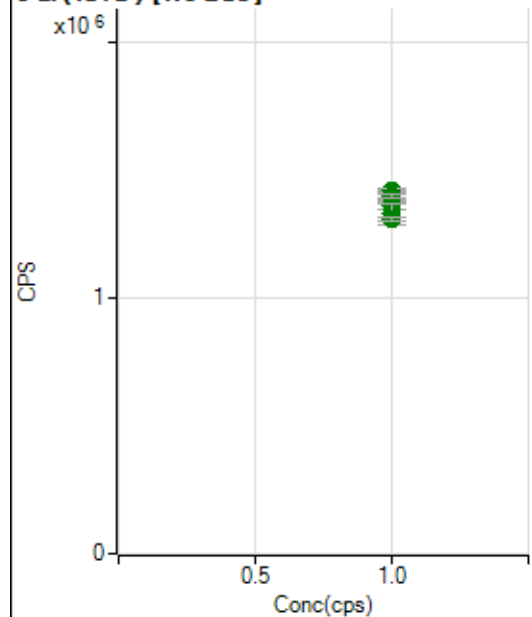
$$R = 0.9998$$

$$DL = 0.0006034$$

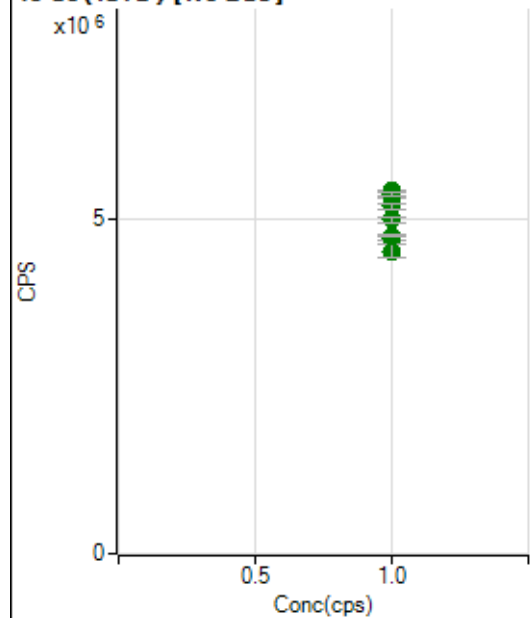
$$BEC = 0.0007077$$

Weight: &lt;None&gt;

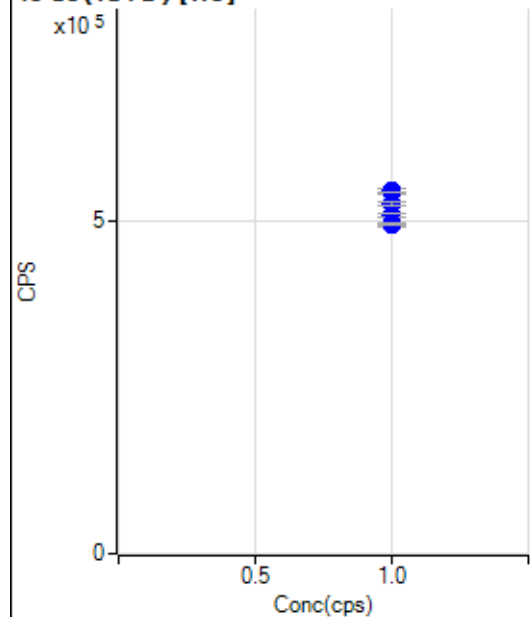
Min Conc: 0

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

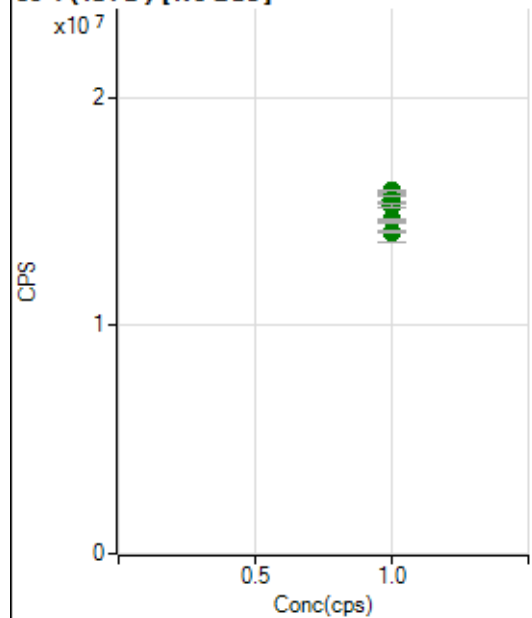
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1379266.77 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1356074.52 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1383752.37 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1415865.78 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1417272.91 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1396566.30 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1327101.29 |       | A        | 5.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1305503.15 |       | A        | 1.2 |

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

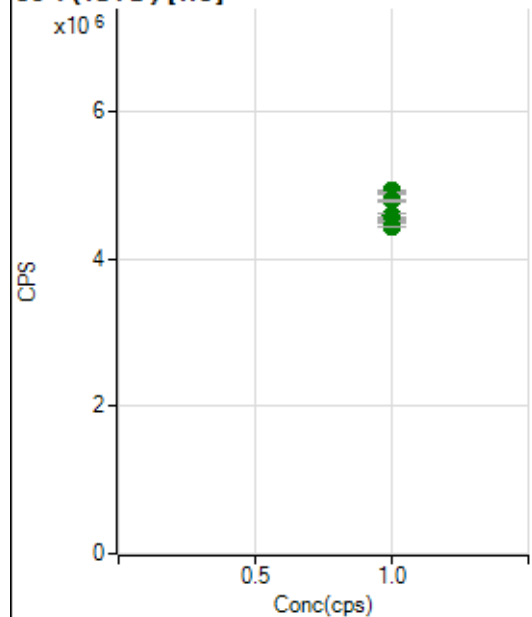
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5334919.40 |       | A        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5437034.92 |       | A        | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5396833.42 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5202716.10 |       | A        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5007776.70 |       | A        | 1.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4734765.31 |       | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4538064.79 |       | A        | 4.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4762358.85 |       | A        | 0.5 |

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

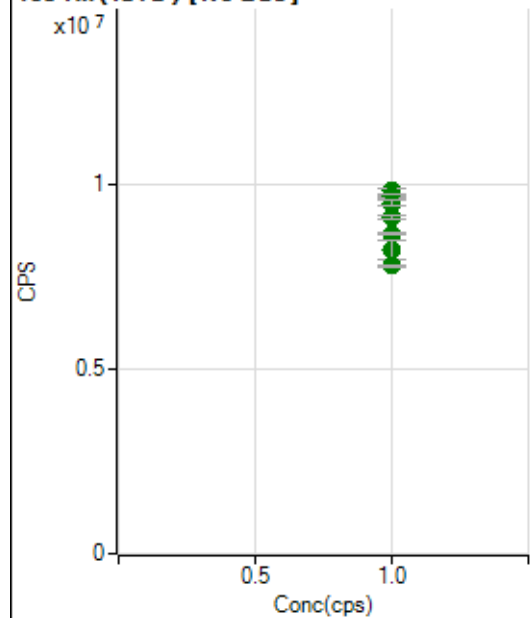
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 541467.30 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 544324.41 |       | P        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 542325.11 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 524864.53 |       | P        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 508132.50 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 493019.48 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 492810.06 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 495468.60 |       | P        | 0.4 |

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

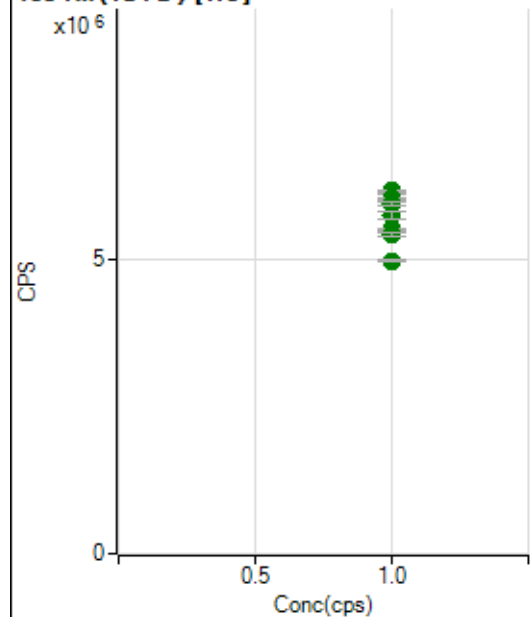
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 15763495.74 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 15899698.79 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 15884592.40 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 15535099.21 |       | A        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 15260660.61 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 14629936.31 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 14093269.09 |       | A        | 6.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 14103957.85 |       | A        | 0.8 |

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

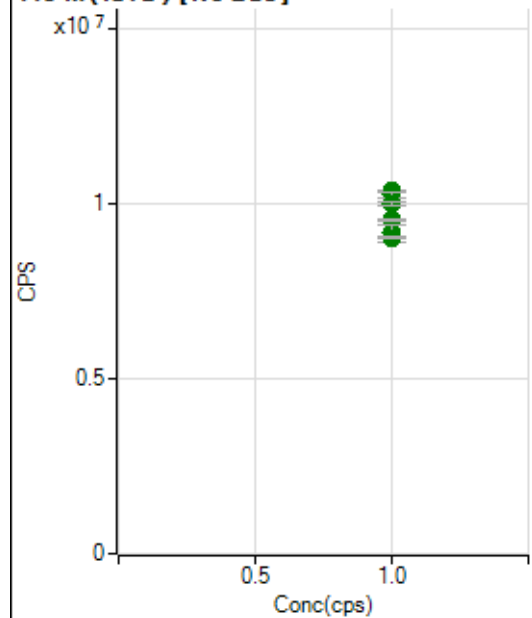
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4918269.86 |       | A        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4920823.89 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4889991.35 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4787984.30 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4585067.88 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4526858.89 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4502096.05 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4446125.87 |       | A        | 0.0 |

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

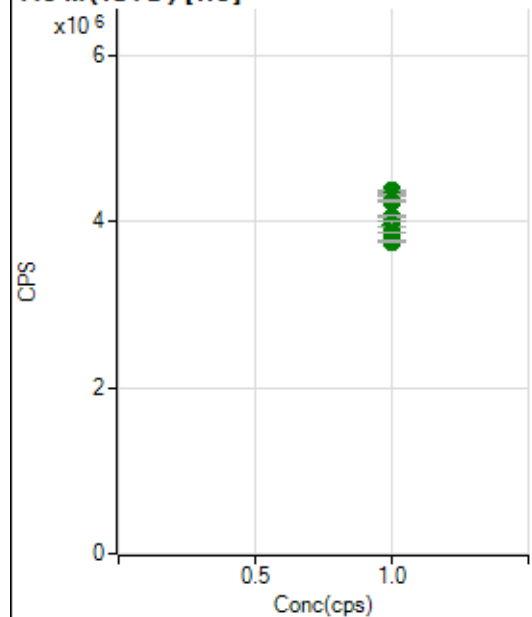
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9688068.12 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9806444.30 |       | A        | 1.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9663487.56 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9462755.21 |       | A        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9112779.24 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8652819.59 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8207773.07 |       | A        | 6.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7790740.09 |       | A        | 0.6 |

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

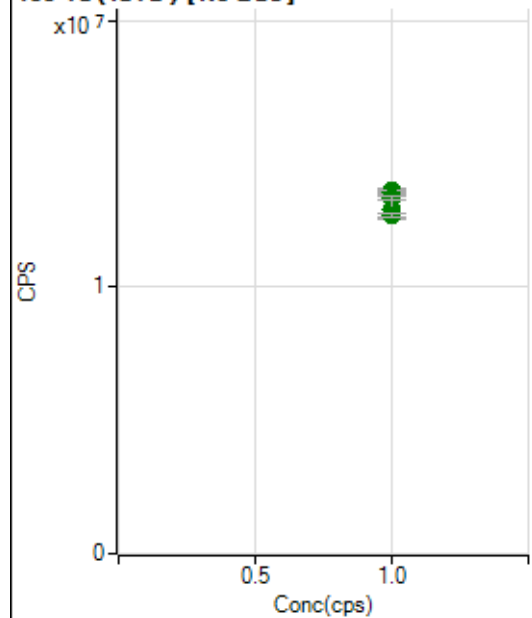
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6145966.65 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6182319.77 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6047287.76 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5958638.66 |       | A        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5758567.21 |       | A        | 2.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5525166.10 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5439213.15 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4997143.40 |       | A        | 0.6 |

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

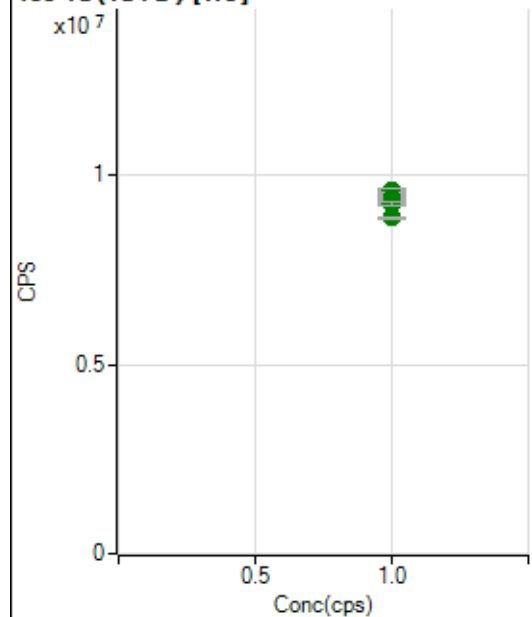
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10330359.18 |       | A        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10377118.61 |       | A        | 0.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10364908.27 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10258778.62 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9998739.45  |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9554048.90  |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9166979.48  |       | A        | 5.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9038960.65  |       | A        | 0.5 |

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

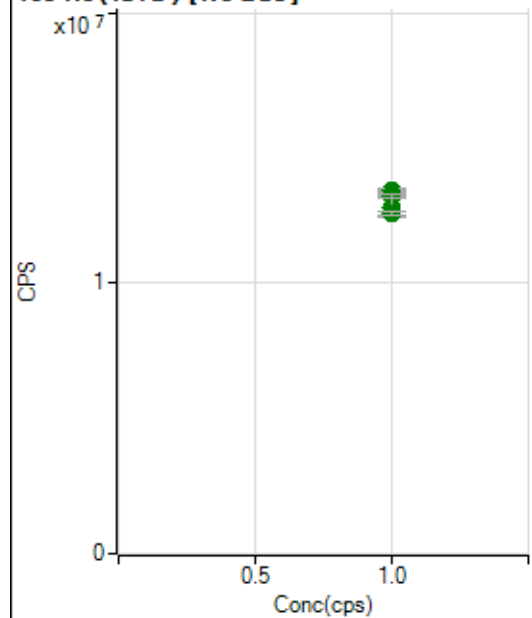
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4345856.49 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4373399.80 |       | A        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4314898.27 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4247273.34 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4065767.44 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3974833.41 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3869975.95 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3763396.63 |       | A        | 0.6 |

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

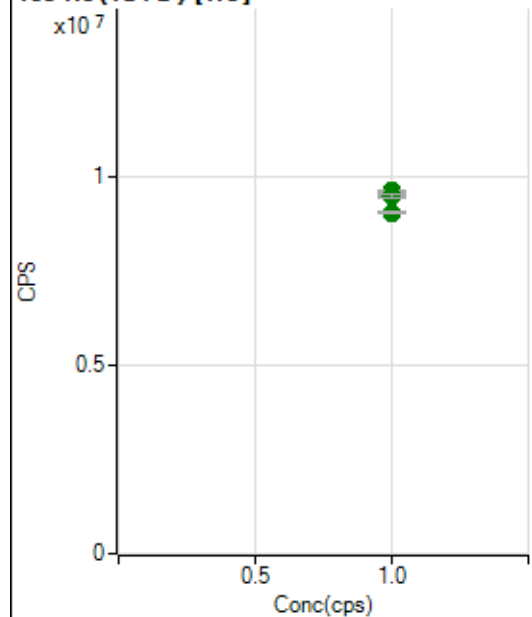
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 13469605.63 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 13559785.49 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 13615684.38 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 13618369.38 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 13566632.44 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 13385397.02 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 12939299.25 |       | A        | 5.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 12720403.15 |       | A        | 0.9 |

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

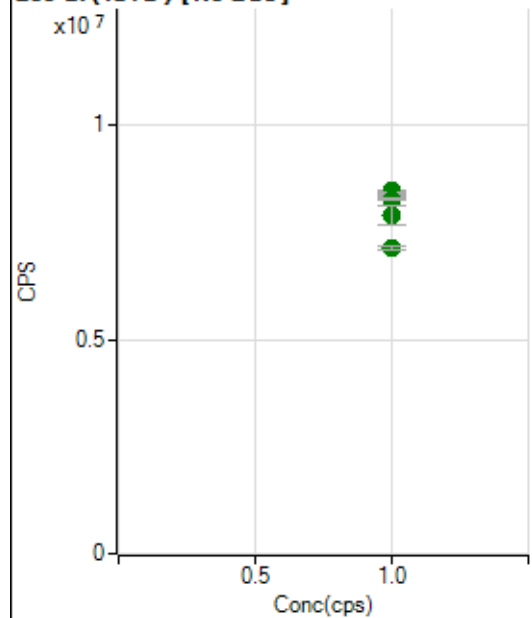
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9478942.43 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9537958.40 |       | A        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9585483.12 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9360428.12 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9406676.04 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9275831.60 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9256460.00 |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8866962.37 |       | A        | 1.0 |

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

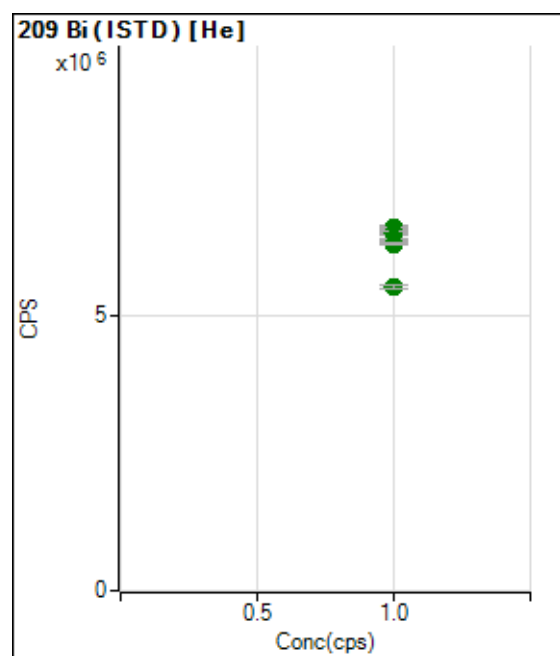
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 13339975.63 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 13298323.13 |       | A        | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 13358581.33 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 13421215.91 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 13322698.27 |       | A        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 13232759.11 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 12817433.56 |       | A        | 5.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 12615181.48 |       | A        | 1.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9628498.75 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9561282.70 |       | A        | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9627837.91 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9633728.26 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9484363.47 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9485240.28 |       | A        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9514610.00 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9058394.31 |       | A        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8265166.55 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8323419.46 |       | A        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8414111.12 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8467889.32 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8426306.96 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8262294.46 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7902711.76 |       | A        | 6.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7144662.32 |       | A        | 0.9 |



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6550285.53 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6612131.85 |       | A        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6571708.10 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6605985.32 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6506219.70 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6399266.64 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6317510.18 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5539745.06 |       | A        | 0.8 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7013125MS-4.b  
Acq. Date-Time 2025-01-31 14:37:53  
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    |              | 6432   | 64324.00   |                            |             | 0.157  | 5.000           |
| 24   |              | 92351  | 923512.29  |                            |             | 0.775  | 5.000           |
| 25   |              | 11680  | 116804.18  |                            |             | 0.860  | 5.000           |
| 26   |              | 13281  | 132812.01  |                            |             | 1.013  | 5.000           |
| 59   |              | 82715  | 827147.96  |                            |             | 0.287  | 5.000           |
| 113  |              | 12400  | 124003.63  |                            |             | 0.319  | 5.000           |
| 115  |              | 157695 | 1576945.72 |                            |             | 0.895  | 5.000           |
| 206  |              | 35323  | 353226.67  |                            |             | 0.392  | 5.000           |
| 207  |              | 30936  | 309357.63  |                            |             | 0.439  | 5.000           |
| 208  |              | 73186  | 731857.95  |                            |             | 0.334  | 5.000           |
| 220  |              | 0      | 1.10       |                            |             | 98.543 |                 |

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

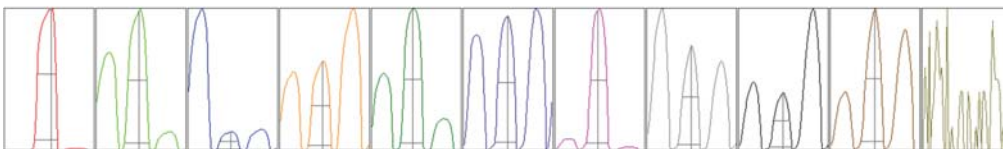
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 6431        | 6425        | 6427        | 6429        | 6450        |
| 24   | 92452       | 93542       | 91718       | 92069       | 91975       |
| 25   | 11808       | 11770       | 11624       | 11606       | 11594       |
| 26   | 13473       | 13372       | 13172       | 13209       | 13180       |
| 59   | 82629       | 82719       | 82406       | 82759       | 83061       |
| 113  | 12408       | 12355       | 12420       | 12367       | 12452       |
| 115  | 155726      | 156974      | 159280      | 157771      | 158722      |
| 206  | 35084       | 35399       | 35327       | 35376       | 35427       |
| 207  | 30771       | 31049       | 30828       | 30947       | 31084       |
| 208  | 73118       | 72948       | 73000       | 73324       | 73539       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 10515.43    | 9.10   | 8.90 - 9.10     |             |
| 24   | 153891.17   | 23.95  | 23.90 - 24.10   |             |
| 25   | 19703.55    | 24.95  | 24.90 - 25.10   |             |
| 26   | 22600.67    | 25.95  | 25.90 - 26.10   |             |
| 59   | 141221.99   | 58.90  | 58.90 - 59.10   |             |
| 113  | 22959.98    | 113.00 | 112.90 - 113.10 |             |
| 115  | 295531.14   | 114.95 | 114.90 - 115.10 |             |
| 206  | 70474.51    | 206.00 | 205.90 - 206.10 |             |
| 207  | 60112.85    | 207.00 | 206.90 - 207.10 |             |
| 208  | 145679.36   | 208.00 | 207.90 - 208.10 |             |
| 220  | 0.00        | 220.50 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.62  | 0.769 | 0.900           |             |
| 24   | 0.64  | 0.828 | 0.900           |             |
| 25   | 0.62  | 0.747 | 0.900           |             |
| 26   | 0.62  | 0.780 | 0.900           |             |
| 59   | 0.61  | 0.768 | 0.900           |             |
| 113  | 0.55  | 0.736 | 0.900           |             |
| 115  | 0.53  | 0.746 | 0.900           |             |
| 206  | 0.52  | 0.749 | 0.900           |             |
| 207  | 0.53  | 0.761 | 0.900           |             |
| 208  | 0.52  | 0.771 | 0.900           |             |
| 220  | 0.35  | 0.350 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode ---

Nebulizer Gas 0.82 L/min

Dilution Gas 0.40 L/min

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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    | 9.1 V | Deflect    | 14.8 V |
| Extract 2  | -145.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -65 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      | 150 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 139 | Axis Gain   | 0.9976 | QP Bias | -3.0 V |
| Mass Offset | 129 | Axis Offset | 0.11   |         |        |

## Hardware Settings

### Torch

|         |        |         |        |
|---------|--------|---------|--------|
| Torch H | 0.1 mm | Torch V | 0.2 mm |
|---------|--------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.8 mV | Analog HV | 2267 V | Pulse HV | 1066 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 30558 | 305583.09 |                            |             | 0.441 |                 |
| 89   |              | 78136 | 781362.73 |                            |             | 0.656 |                 |
| 205  |              | 34277 | 342765.89 |                            |             | 0.607 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 30763       | 30538       | 30586       | 30392       | 30512       |
| 89   | 78552       | 78634       | 77348       | 78069       | 78078       |
| 205  | 34537       | 34392       | 34319       | 34029       | 34106       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |        |                |            |               |            |
|--------------|--------|----------------|------------|---------------|------------|
| Plasma Mode  | ---    | Nebulizer Gas  | 0.82 L/min | Dilution Gas  | 0.40 L/min |
| RF Power     | 1600 W | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 V | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 9.0 mm | S/C Temp       | 2 °C       |               |            |

## Lens Parameters

|           |       |            |       |         |       |
|-----------|-------|------------|-------|---------|-------|
| Extract 1 | 0.0 V | Omega Lens | 8.4 V | Deflect | 2.8 V |
|-----------|-------|------------|-------|---------|-------|

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|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -115.0 V   | Cell Entrance | -40 V   | Plate Bias            | -60 V   |
| Omega Bias               | -55 V      | Cell Exit     | -60 V   |                       |         |
| <b>Cell Parameters</b>   |            |               |         |                       |         |
| 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   |                       |         |
| <b>QP Parameters</b>     |            |               |         |                       |         |
| Mass Gain                | 139        | Axis Gain     | 0.9976  | QP Bias               | -13.0 V |
| Mass Offset              | 129        | Axis Offset   | 0.11    |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | 0.1 mm     | Torch V       | 0.2 mm  |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 4.8 mV     | Analog HV     | 2267 V  | Pulse HV              | 1066 V  |