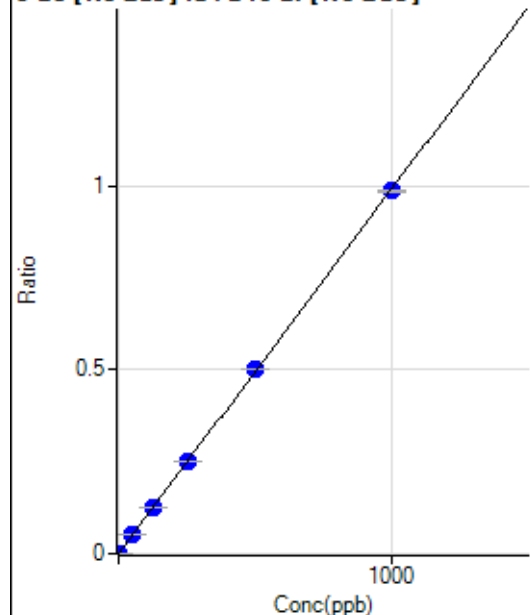


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8030220-MS1.b\  
Analysis File: P8030220-MS1.batch.bin  
DA Date-Time: 3/2/2020 11:06:28 PM  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 3/2/2020 4:14:20 PM |
| 2     | 004CAL.S.d         | S02         | 3/2/2020 4:17:28 PM |
| 3     | 005CAL.S.d         | S03         | 3/2/2020 4:20:34 PM |
| 4     | 006CAL.S.d         | S04         | 3/2/2020 4:23:40 PM |
| 5     | 007CAL.S.d         | S05         | 3/2/2020 4:26:42 PM |
| 6     | 008CAL.S.d         | S06         | 3/2/2020 4:29:43 PM |
| 7     | 009CAL.S.d         | S07         | 3/2/2020 4:32:41 PM |
| 8     | 010CAL.S.d         | S08         | 3/2/2020 4:35:41 PM |

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      | 10.00     | 0.0000 | P        | 40.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.995      | 707.88    | 0.0010 | P        | 7.0  |
| 3 | <input type="checkbox"/> | 50.000   | 51.469     | 35293.64  | 0.0510 | P        | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 127.888    | 88623.93  | 0.1266 | P        | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 253.985    | 177992.57 | 0.2514 | P        | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 505.856    | 360910.86 | 0.5007 | P        | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.641    | 712111.78 | 0.9856 | P        | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 119.98    | 0.0002 | P        | 11.4 |

$$y = 9.8987E-004 * x + 1.3908E-005$$

$$R = 1.0000$$

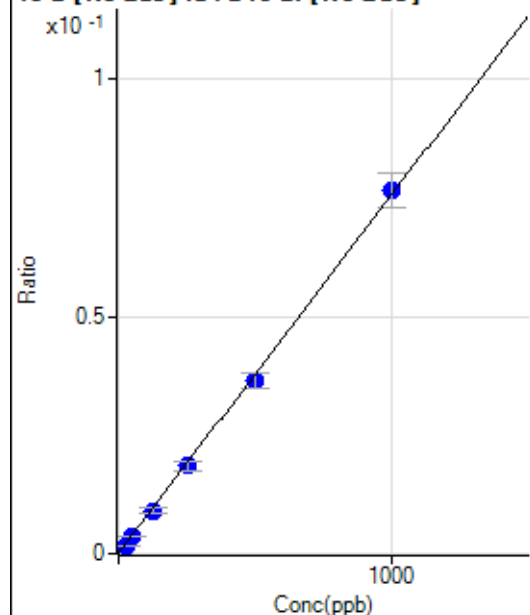
$$DL = 0.01719$$

$$BEC = 0.01405$$

Weight: &lt;None&gt;

Min Conc: 0

10 B [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      | 80.65    | 0.0001 | P        | 14.6 |
| 2 | <input type="checkbox"/> | 25.000   | 21.327     | 1221.15  | 0.0017 | P        | 6.5  |
| 3 | <input type="checkbox"/> | 50.000   | 47.854     | 2581.72  | 0.0037 | P        | 6.4  |
| 4 | <input type="checkbox"/> | 125.000  | 118.804    | 6362.14  | 0.0091 | P        | 10.2 |
| 5 | <input type="checkbox"/> | 250.000  | 243.134    | 13083.26 | 0.0185 | P        | 10.7 |
| 6 | <input type="checkbox"/> | 500.000  | 483.090    | 26407.16 | 0.0366 | P        | 9.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 1011.145   | 55301.28 | 0.0765 | P        | 9.4  |
| 8 | <input type="checkbox"/> |          |            | 8534.15  | 0.0116 | P        | 10.3 |

$$y = 7.5583E-005 * x + 1.1198E-004$$

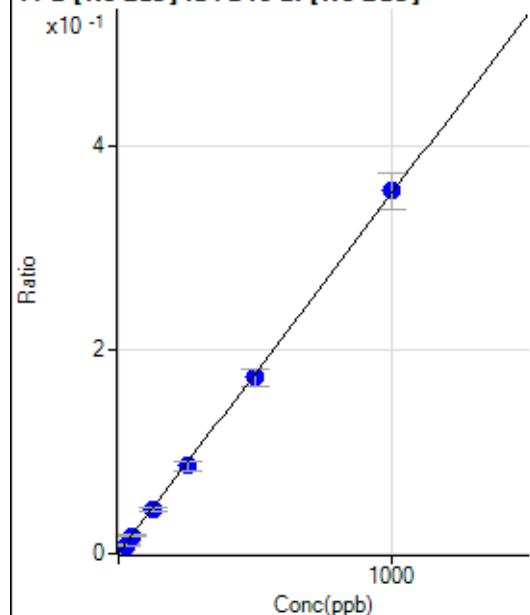
$$R = 0.9998$$

$$DL = 0.6474$$

$$BEC = 1.482$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 347.27    | 0.0005 | P    | 10.7 |
| 2 | <input type="checkbox"/> | 25.000   | 22.246     | 5914.71   | 0.0083 | P    | 12.6 |
| 3 | <input type="checkbox"/> | 50.000   | 49.290     | 12387.47  | 0.0179 | P    | 10.8 |
| 4 | <input type="checkbox"/> | 125.000  | 122.069    | 30520.93  | 0.0436 | P    | 10.5 |
| 5 | <input type="checkbox"/> | 250.000  | 242.570    | 60993.87  | 0.0862 | P    | 10.7 |
| 6 | <input type="checkbox"/> | 500.000  | 488.652    | 124847.19 | 0.1731 | P    | 9.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.002   | 257697.47 | 0.3567 | P    | 10.1 |
| 8 | <input type="checkbox"/> |          |            | 38838.97  | 0.0529 | P    | 11.9 |

$$y = 3.5336\text{E-}004 * x + 4.8145\text{E-}004$$

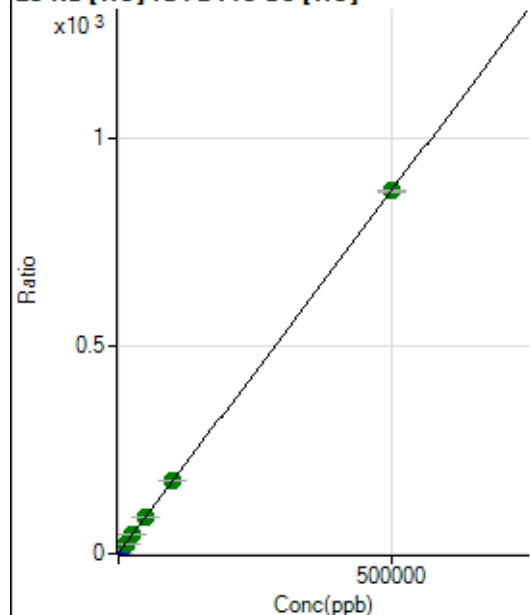
R = 0.9999

DL = 0.4383

BEC = 1.362

Weight: &lt;None&gt;

Min Conc: 0

**23 Na [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      | 58018.51    | 0.9838   | P    | 1.8 |
| 2 | <input type="checkbox"/> | 500.000   | 536.596    | 113432.74   | 1.9192   | P    | 1.2 |
| 3 | <input type="checkbox"/> | 5000.000  | 5189.296   | 579646.37   | 10.0298  | P    | 1.4 |
| 4 | <input type="checkbox"/> | 12500.000 | 12971.408  | 1374598.34  | 23.5955  | A    | 0.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 25498.076  | 2651957.18  | 45.4320  | A    | 0.7 |
| 6 | <input type="checkbox"/> | 50000.000 | 50388.180  | 5309032.28  | 88.8203  | A    | 0.7 |
| 7 | <input type="checkbox"/> | 100000.00 | 100356.68  | 10320096.32 | 175.9252 | A    | 1.6 |
| 8 | <input type="checkbox"/> | 500000.00 | 499851.22  | 52962924.10 | 872.3227 | A    | 0.6 |

$$y = 0.0017 * x + 0.9838$$

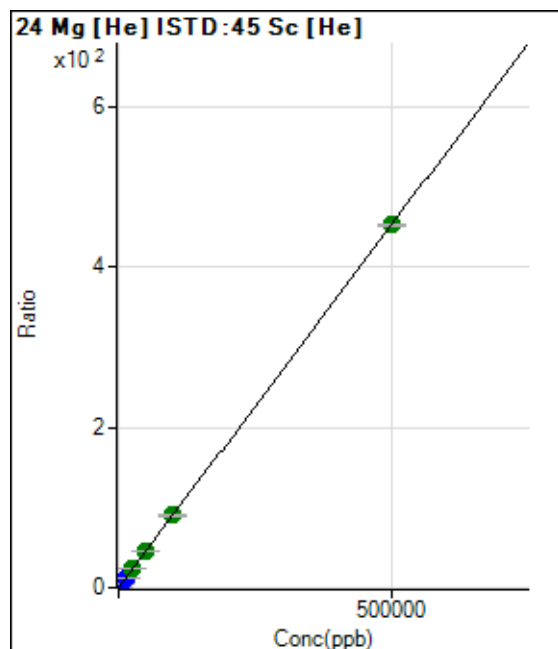
R = 1.0000

DL = 30.17

BEC = 564.4

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 130.56      | 0.0022   | P   | 7.2 |
| 2 | <input type="checkbox"/> | 500.000   | 534.109    | 28687.28    | 0.4854   | P   | 0.7 |
| 3 | <input type="checkbox"/> | 5000.000  | 5234.273   | 273775.22   | 4.7372   | P   | 1.4 |
| 4 | <input type="checkbox"/> | 12500.000 | 13209.310  | 696242.53   | 11.9515  | P   | 1.1 |
| 5 | <input type="checkbox"/> | 25000.000 | 25807.954  | 1362792.91  | 23.3483  | A   | 1.0 |
| 6 | <input type="checkbox"/> | 50000.000 | 50827.786  | 2748419.42  | 45.9814  | A   | 0.7 |
| 7 | <input type="checkbox"/> | 100000.00 | 99499.383  | 5280110.19  | 90.0101  | A   | 1.9 |
| 8 | <input type="checkbox"/> | 500000.00 | 499956.83  | 27459694.02 | 452.2668 | A   | 0.4 |

$$y = 9.0461\text{E-}004 * x + 0.0022$$

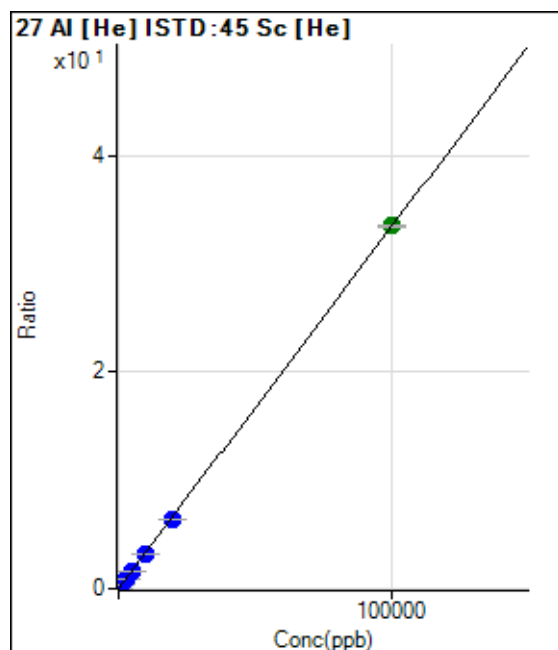
$$R = 1.0000$$

$$DL = 0.5266$$

$$BEC = 2.447$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 317.78     | 0.0054  | P   | 7.2 |
| 2 | <input type="checkbox"/> | 20.000    | 18.133     | 676.69     | 0.0115  | P   | 7.2 |
| 3 | <input type="checkbox"/> | 1000.000  | 959.888    | 18864.60   | 0.3264  | P   | 1.3 |
| 4 | <input type="checkbox"/> | 2500.000  | 2416.173   | 47385.67   | 0.8134  | P   | 1.7 |
| 5 | <input type="checkbox"/> | 5000.000  | 4789.030   | 93801.08   | 1.6070  | P   | 0.9 |
| 6 | <input type="checkbox"/> | 10000.000 | 9475.035   | 189728.97  | 3.1742  | P   | 0.8 |
| 7 | <input type="checkbox"/> | 20000.000 | 18980.825  | 372714.21  | 6.3533  | P   | 1.2 |
| 8 | <input type="checkbox"/> | 100000.00 | 100269.37  | 2036319.24 | 33.5391 | A   | 0.7 |

$$y = 3.3444\text{E-}004 * x + 0.0054$$

$$R = 0.9999$$

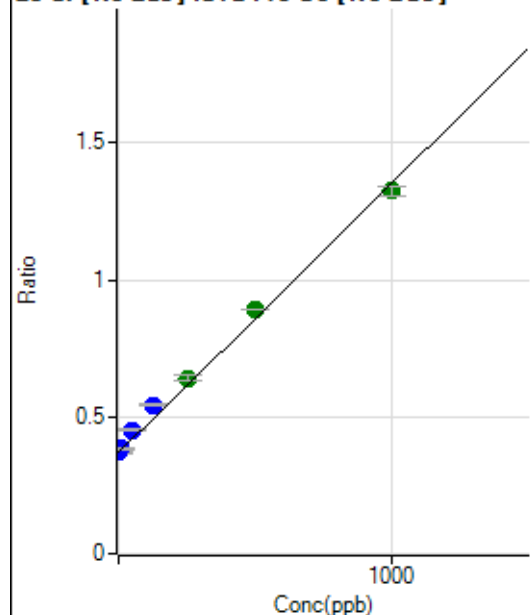
$$DL = 3.503$$

$$BEC = 16.11$$

Weight: <None>

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 616146.35  | 0.3687 | P        | 0.9 |
| 2 | <input type="checkbox"/> | 10.000   | 15.107     | 632845.31  | 0.3836 | P        | 2.5 |
| 3 | <input type="checkbox"/> | 50.000   | 84.237     | 721781.04  | 0.4517 | P        | 1.6 |
| 4 | <input type="checkbox"/> | 125.000  | 177.184    | 887827.60  | 0.5433 | P        | 1.5 |
| 5 | <input type="checkbox"/> | 250.000  | 276.840    | 1054512.77 | 0.6414 | A        | 3.3 |
| 6 | <input type="checkbox"/> | 500.000  | 529.661    | 1477702.84 | 0.8905 | A        | 0.3 |
| 7 | <input type="checkbox"/> | 1000.000 | 970.174    | 2223449.16 | 1.3244 | A        | 3.0 |
| 8 | <input type="checkbox"/> |          |            | 882840.25  | 0.5131 | M        | 4.7 |

$$y = 9.8502\text{E-}004 * x + 0.3687$$

$$R = 0.9979$$

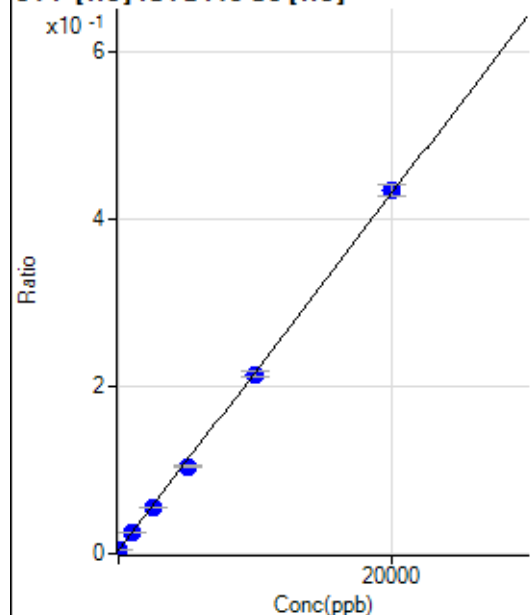
$$DL = 10.56$$

$$BEC = 374.3$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | -3.042     | 225.01   | 0.0038 | P        | 14.1 |
| 2 | <input type="checkbox"/> | 0.000     | 3.042      | 233.35   | 0.0039 | P        | 9.1  |
| 3 | <input type="checkbox"/> | 1000.000  | 968.776    | 1416.77  | 0.0245 | P        | 3.1  |
| 4 | <input type="checkbox"/> | 2500.000  | 2417.275   | 3225.45  | 0.0554 | P        | 0.9  |
| 5 | <input type="checkbox"/> | 5000.000  | 4721.062   | 6095.87  | 0.1044 | P        | 3.2  |
| 6 | <input type="checkbox"/> | 10000.000 | 9864.065   | 12789.27 | 0.2140 | P        | 3.0  |
| 7 | <input type="checkbox"/> | 20000.000 | 20149.604  | 25400.63 | 0.4331 | P        | 3.3  |
| 8 | <input type="checkbox"/> |           |            | 202.78   | 0.0033 | P        | 33.4 |

$$y = 2.1299\text{E-}005 * x + 0.0039$$

$$R = 0.9999$$

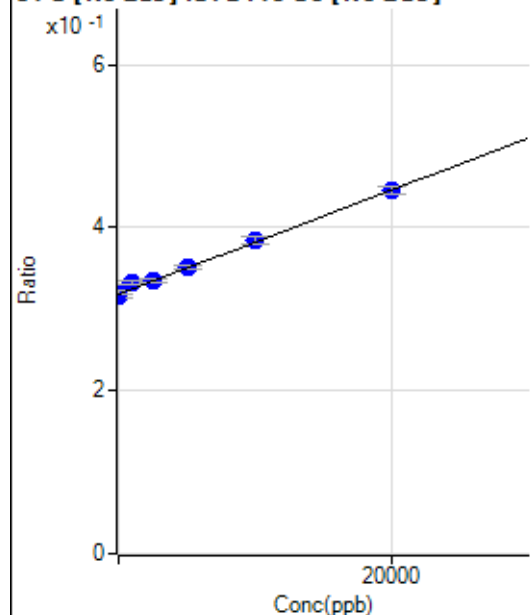
$$DL = 63.09$$

$$BEC = 182.3$$

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     | -348.647   | 528202.44 | 0.3161 | P   | 0.9 |
| 2 | <input type="checkbox"/> | 0.000     | 348.647    | 528909.67 | 0.3206 | P   | 1.3 |
| 3 | <input type="checkbox"/> | 1000.000  | 2301.121   | 532128.89 | 0.3330 | P   | 1.6 |
| 4 | <input type="checkbox"/> | 2500.000  | 2612.111   | 547449.46 | 0.3350 | P   | 1.9 |
| 5 | <input type="checkbox"/> | 5000.000  | 5021.954   | 576112.52 | 0.3504 | P   | 1.2 |
| 6 | <input type="checkbox"/> | 10000.000 | 10189.205  | 635932.97 | 0.3834 | P   | 2.6 |
| 7 | <input type="checkbox"/> | 20000.000 | 19820.839  | 746907.66 | 0.4448 | P   | 2.2 |
| 8 | <input type="checkbox"/> |           |            | 514238.77 | 0.2988 | P   | 1.1 |

$$y = 6.3828\text{E-}006 * x + 0.3183$$

$$R = 0.9975$$

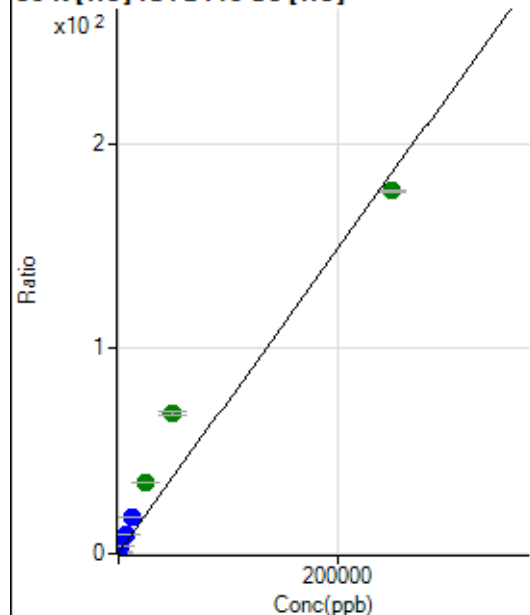
$$DL = 1690$$

$$BEC = 4.987\text{E}+04$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 19911.39    | 0.3376   | P   | 1.9 |
| 2 | <input type="checkbox"/> | 500.000   | 476.910    | 40811.06    | 0.6905   | P   | 1.5 |
| 3 | <input type="checkbox"/> | 2500.000  | 4774.755   | 223662.69   | 3.8701   | P   | 2.0 |
| 4 | <input type="checkbox"/> | 6250.000  | 12039.733  | 538583.28   | 9.2449   | P   | 1.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 23815.765  | 1048110.92  | 17.9570  | P   | 1.2 |
| 6 | <input type="checkbox"/> | 25000.000 | 46249.383  | 2065376.52  | 34.5539  | A   | 1.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 91830.479  | 4004773.09  | 68.2757  | A   | 2.4 |
| 8 | <input type="checkbox"/> | 250000.00 | 238775.73  | 10745870.29 | 176.9889 | A   | 0.7 |

$$y = 7.3982\text{E-}004 * x + 0.3376$$

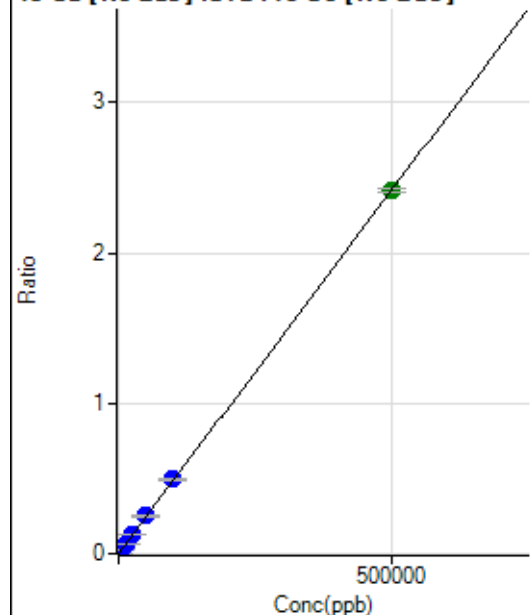
$$R = 0.9818$$

$$DL = 26.25$$

$$BEC = 456.4$$

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      | 316.68     | 0.0002 | P    | 20.6 |
| 2 | <input type="checkbox"/> | 500.000   | 530.652    | 4542.52    | 0.0028 | P    | 2.6  |
| 3 | <input type="checkbox"/> | 5000.000  | 5259.840   | 40892.18   | 0.0256 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 12500.000 | 12844.274  | 101686.07  | 0.0622 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 25000.000 | 25401.808  | 201994.29  | 0.1229 | P    | 1.8  |
| 6 | <input type="checkbox"/> | 50000.000 | 51843.686  | 415709.93  | 0.2505 | P    | 1.3  |
| 7 | <input type="checkbox"/> | 100000.00 | 102345.75  | 830214.88  | 0.4944 | P    | 2.0  |
| 8 | <input type="checkbox"/> | 500000.00 | 499315.15  | 4150348.05 | 2.4114 | A    | 0.9  |

$$y = 4.8290\text{E-}006 * x + 1.8967\text{E-}004$$

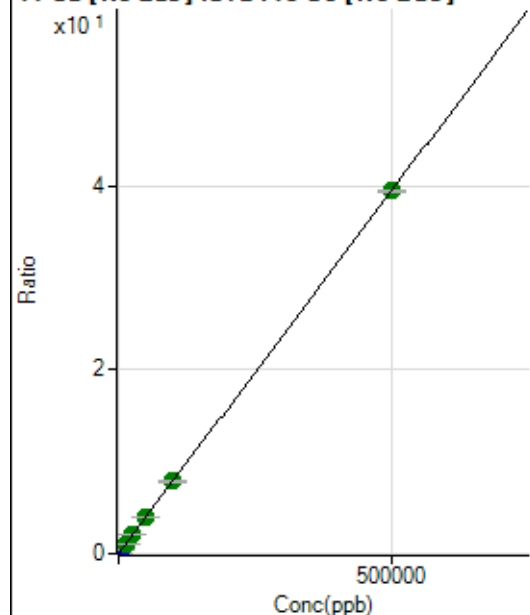
$$R = 1.0000$$

$$DL = 24.22$$

$$BEC = 39.28$$

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      | 21933.78    | 0.0131  | P    | 0.9 |
| 2 | <input type="checkbox"/> | 500.000   | 515.314    | 88709.66    | 0.0538  | P    | 1.2 |
| 3 | <input type="checkbox"/> | 5000.000  | 5199.556   | 676202.09   | 0.4232  | P    | 0.9 |
| 4 | <input type="checkbox"/> | 12500.000 | 12820.537  | 1673804.03  | 1.0241  | A    | 1.2 |
| 5 | <input type="checkbox"/> | 25000.000 | 25095.401  | 3275791.54  | 1.9921  | A    | 0.5 |
| 6 | <input type="checkbox"/> | 50000.000 | 50154.873  | 6585271.80  | 3.9683  | A    | 0.5 |
| 7 | <input type="checkbox"/> | 100000.00 | 99893.415  | 13249442.31 | 7.8906  | A    | 2.1 |
| 8 | <input type="checkbox"/> | 500000.00 | 499991.03  | 67890523.04 | 39.4419 | A    | 0.4 |

$$y = 7.8859\text{E-}005 * x + 0.0131$$

$$R = 1.0000$$

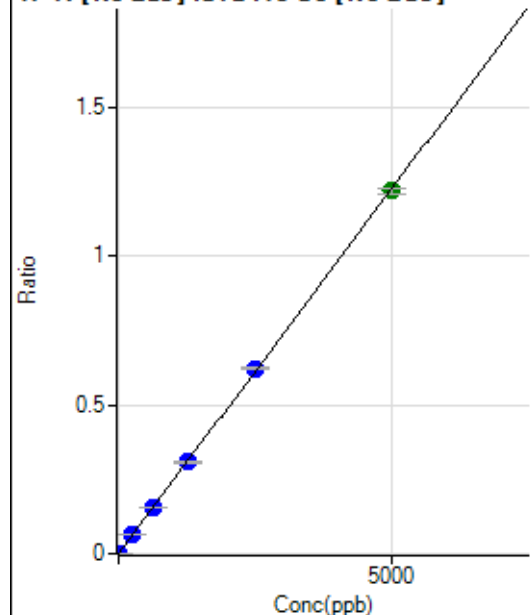
$$DL = 4.38$$

$$BEC = 166.4$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 491.69     | 0.0003 | P    | 9.5  |
| 2 | <input type="checkbox"/> | 5.000    | 5.757      | 2814.24    | 0.0017 | P    | 2.9  |
| 3 | <input type="checkbox"/> | 250.000  | 252.028    | 99230.68   | 0.0621 | P    | 2.0  |
| 4 | <input type="checkbox"/> | 625.000  | 630.484    | 253199.76  | 0.1549 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1258.066   | 507767.78  | 0.3088 | P    | 1.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2542.599   | 1035083.94 | 0.6239 | P    | 1.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4975.897   | 2049691.28 | 1.2206 | A    | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 1073.18    | 0.0006 | P    | 46.2 |

$$y = 2.4524\text{E-}004 * x + 2.9408\text{E-}004$$

$$R = 0.9999$$

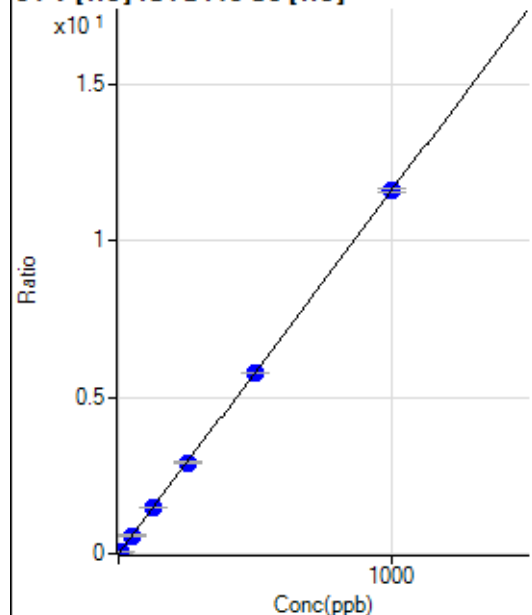
$$DL = 0.3435$$

$$BEC = 1.199$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.89      | 0.0002  | P    | 58.1 |
| 2 | <input type="checkbox"/> | 5.000    | 5.361      | 3678.29   | 0.0622  | P    | 2.9  |
| 3 | <input type="checkbox"/> | 50.000   | 50.075     | 33522.58  | 0.5801  | P    | 2.7  |
| 4 | <input type="checkbox"/> | 125.000  | 127.996    | 86361.98  | 1.4825  | P    | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 251.273    | 169855.98 | 2.9102  | P    | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 499.270    | 345627.51 | 5.7823  | P    | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.667    | 679199.70 | 11.5776 | P    | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 284.45    | 0.0047  | P    | 15.9 |

$$y = 0.0116 * x + 1.5111\text{E-}004$$

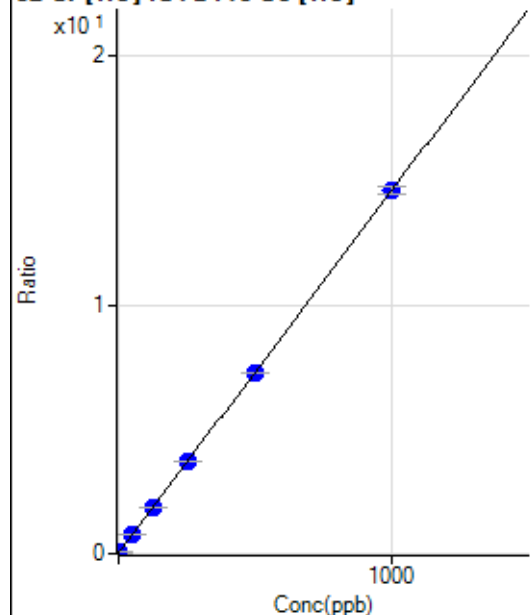
$$R = 1.0000$$

$$DL = 0.02274$$

$$BEC = 0.01305$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|-----------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1168.95   | 0.0198  | P   | 6.3 |
| 2 | <input type="checkbox"/> | 2.000    | 2.095      | 2973.67   | 0.0503  | P   | 2.1 |
| 3 | <input type="checkbox"/> | 50.000   | 50.686     | 43801.31  | 0.7579  | P   | 2.5 |
| 4 | <input type="checkbox"/> | 125.000  | 127.115    | 108990.24 | 1.8709  | P   | 0.4 |
| 5 | <input type="checkbox"/> | 250.000  | 253.432    | 216569.14 | 3.7104  | P   | 1.1 |
| 6 | <input type="checkbox"/> | 500.000  | 497.854    | 434541.04 | 7.2698  | P   | 0.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 999.916    | 855300.18 | 14.5812 | P   | 2.1 |
| 8 | <input type="checkbox"/> |          |            | 25030.88  | 0.4123  | P   | 0.4 |

$$y = 0.0146 * x + 0.0198$$

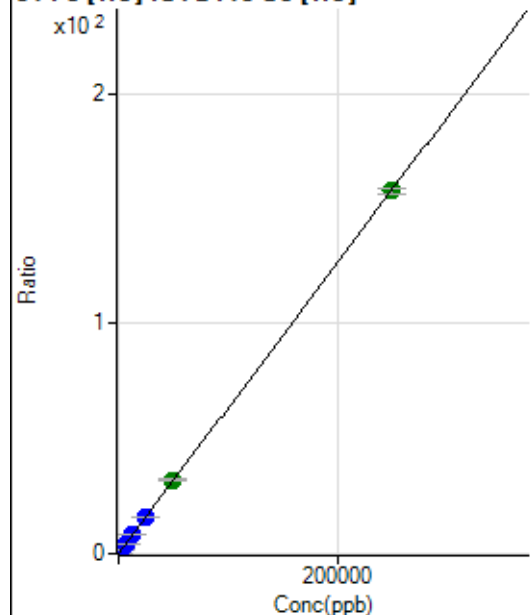
$$R = 1.0000$$

$$DL = 0.2578$$

$$BEC = 1.36$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio    | Det | RSD  |
|---|--------------------------|-----------|------------|------------|----------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 398.16     | 0.0068   | P   | 15.6 |
| 2 | <input type="checkbox"/> | 50.000    | 57.686     | 2553.97    | 0.0432   | P   | 2.8  |
| 3 | <input type="checkbox"/> | 2500.000  | 2513.735   | 92197.01   | 1.5953   | P   | 1.3  |
| 4 | <input type="checkbox"/> | 6250.000  | 6444.423   | 237622.85  | 4.0793   | P   | 1.3  |
| 5 | <input type="checkbox"/> | 12500.000 | 12718.096  | 469507.56  | 8.0439   | P   | 1.0  |
| 6 | <input type="checkbox"/> | 25000.000 | 25212.753  | 952753.44  | 15.9399  | P   | 1.5  |
| 7 | <input type="checkbox"/> | 50000.000 | 50765.036  | 1882197.57 | 32.0877  | A   | 2.2  |
| 8 | <input type="checkbox"/> | 250000.00 | 249809.81  | 9585035.86 | 157.8737 | A   | 1.2  |

$$y = 6.3195E-004 * x + 0.0068$$

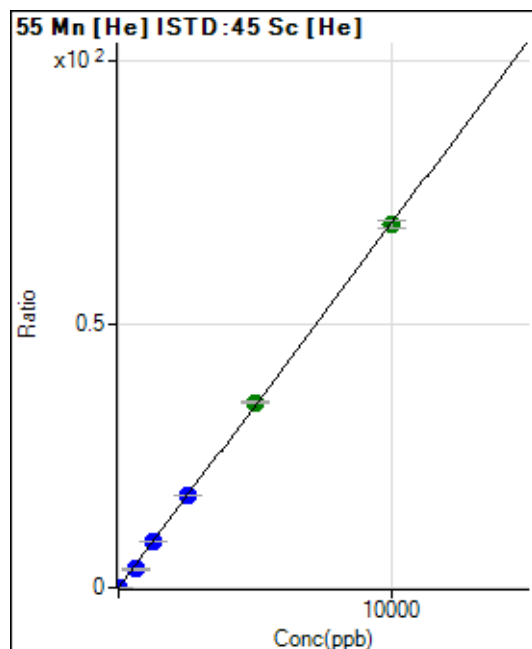
$$R = 1.0000$$

$$DL = 4.997$$

$$BEC = 10.7$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 93.34      | 0.0016  | P   | 29.8 |
| 2 | <input type="checkbox"/> | 1.000     | 1.066      | 528.90     | 0.0089  | P   | 3.7  |
| 3 | <input type="checkbox"/> | 625.000   | 503.764    | 201289.32  | 3.4830  | P   | 1.4  |
| 4 | <input type="checkbox"/> | 1250.000  | 1273.246   | 512641.11  | 8.8007  | P   | 1.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2530.767   | 1020847.72 | 17.4911 | P   | 1.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 5087.262   | 2101458.23 | 35.1584 | A   | 1.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 9953.349   | 4034968.86 | 68.7868 | A   | 2.0  |
| 8 | <input type="checkbox"/> |           |            | 3939.47    | 0.0649  | P   | 1.2  |

$$y = 0.0069 * x + 0.0016$$

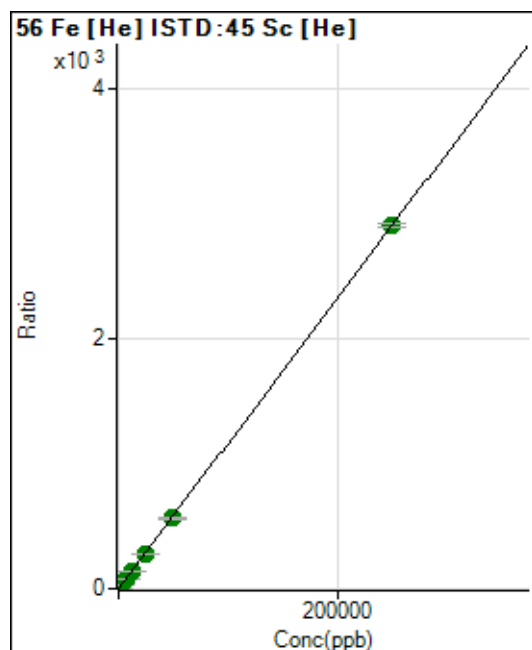
$$R = 0.9998$$

$$DL = 0.2045$$

$$BEC = 0.2288$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 2315.05     | 0.0393    | P   | 8.4 |
| 2 | <input type="checkbox"/> | 50.000    | 54.183     | 39421.24    | 0.6669    | P   | 1.7 |
| 3 | <input type="checkbox"/> | 2500.000  | 2506.496   | 1680197.71  | 29.0726   | A   | 1.3 |
| 4 | <input type="checkbox"/> | 6250.000  | 6198.670   | 4185028.80  | 71.8398   | A   | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12376.784  | 8369899.55  | 143.4023  | A   | 1.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 24392.146  | 16890145.52 | 282.5788  | A   | 1.2 |
| 7 | <input type="checkbox"/> | 50000.000 | 48731.074  | 33114666.48 | 564.5019  | A   | 1.6 |
| 8 | <input type="checkbox"/> | 250000.00 | 250321.94  | 176045050.2 | 2,899.572 | A   | 1.1 |

$$y = 0.0116 * x + 0.0393$$

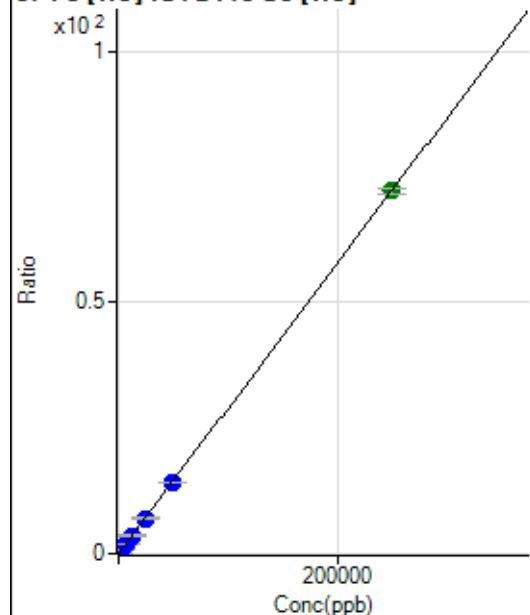
$$R = 1.0000$$

$$DL = 0.8551$$

$$BEC = 3.391$$

Weight: <None>

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 98.15      | 0.0017  | P        | 30.9 |
| 2 | <input type="checkbox"/> | 50.000    | 55.231     | 1040.80    | 0.0176  | P        | 7.0  |
| 3 | <input type="checkbox"/> | 2500.000  | 2519.135   | 42106.68   | 0.7286  | P        | 2.3  |
| 4 | <input type="checkbox"/> | 6250.000  | 6334.585   | 106579.90  | 1.8297  | P        | 1.1  |
| 5 | <input type="checkbox"/> | 12500.000 | 12560.252  | 211653.35  | 3.6262  | P        | 1.0  |
| 6 | <input type="checkbox"/> | 25000.000 | 24510.375  | 422874.92  | 7.0747  | P        | 0.4  |
| 7 | <input type="checkbox"/> | 50000.000 | 49286.238  | 834425.73  | 14.2243 | P        | 1.6  |
| 8 | <input type="checkbox"/> | 250000.00 | 250186.39  | 4383587.97 | 72.1986 | A        | 1.6  |

$$y = 2.8857\text{E-}004 * x + 0.0017$$

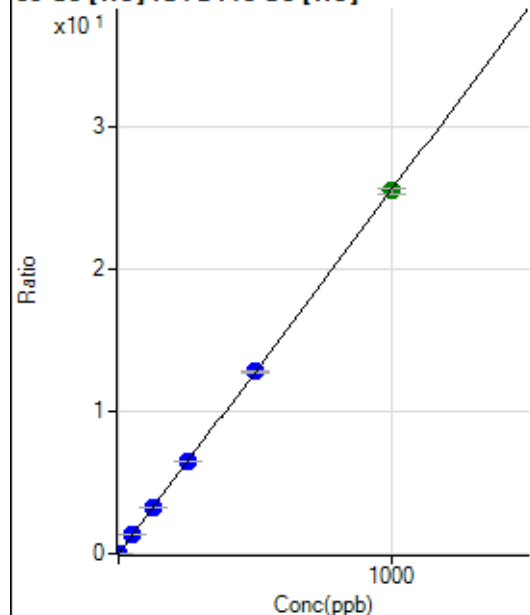
$$R = 1.0000$$

$$DL = 5.35$$

$$BEC = 5.765$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 34.44      | 0.0006  | P        | 14.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.054      | 1625.67    | 0.0275  | P        | 2.6  |
| 3 | <input type="checkbox"/> | 50.000   | 51.101     | 75463.02   | 1.3057  | P        | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 128.868    | 191756.70  | 3.2919  | P        | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 254.448    | 379362.81  | 6.4992  | P        | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 501.178    | 765130.36  | 12.8008 | P        | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.760    | 1494934.61 | 25.4836 | A        | 1.6  |
| 8 | <input type="checkbox"/> |          |            | 2901.44    | 0.0478  | P        | 3.0  |

$$y = 0.0255 * x + 5.8366\text{E-}004$$

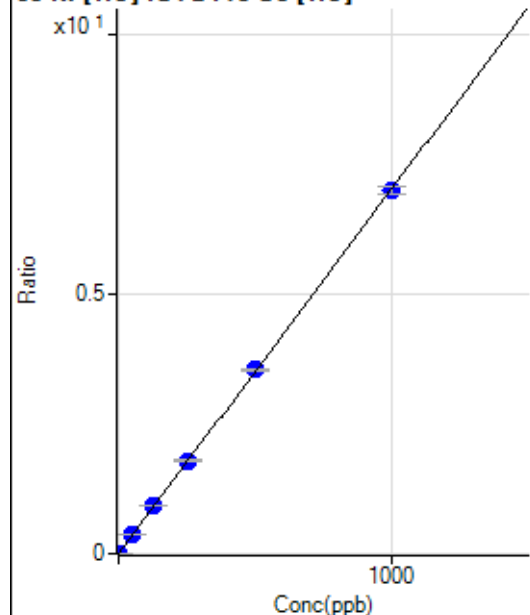
$$R = 1.0000$$

$$DL = 0.009649$$

$$BEC = 0.02285$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 45.56     | 0.0008 | P        | 17.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.249      | 563.35    | 0.0095 | P        | 1.8  |
| 3 | <input type="checkbox"/> | 50.000   | 51.542     | 20938.82  | 0.3623 | P        | 1.9  |
| 4 | <input type="checkbox"/> | 125.000  | 130.405    | 53328.32  | 0.9155 | P        | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 255.273    | 104564.98 | 1.7914 | P        | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 504.646    | 211633.69 | 3.5407 | P        | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.606    | 409710.96 | 6.9846 | P        | 2.2  |
| 8 | <input type="checkbox"/> |          |            | 7807.76   | 0.1286 | P        | 1.1  |

$$y = 0.0070 * x + 7.7118E-004$$

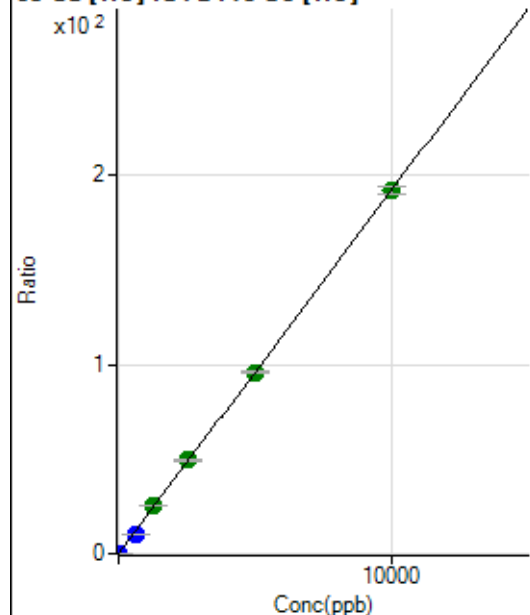
$$R = 1.0000$$

$$DL = 0.05649$$

$$BEC = 0.1099$$

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      | 310.01      | 0.0053   | P        | 4.7 |
| 2 | <input type="checkbox"/> | 2.000     | 2.175      | 2782.52     | 0.0471   | P        | 3.4 |
| 3 | <input type="checkbox"/> | 625.000   | 515.270    | 572631.14   | 9.9081   | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1250.000  | 1309.638   | 1466405.65  | 25.1749  | A        | 1.7 |
| 5 | <input type="checkbox"/> | 2500.000  | 2574.596   | 2888200.89  | 49.4858  | A        | 2.2 |
| 6 | <input type="checkbox"/> | 5000.000  | 4997.245   | 5740848.04  | 96.0461  | A        | 1.0 |
| 7 | <input type="checkbox"/> | 10000.000 | 9982.132   | 11253408.58 | 191.8494 | A        | 2.3 |
| 8 | <input type="checkbox"/> |           |            | 5236.57     | 0.0862   | P        | 2.6 |

$$y = 0.0192 * x + 0.0053$$

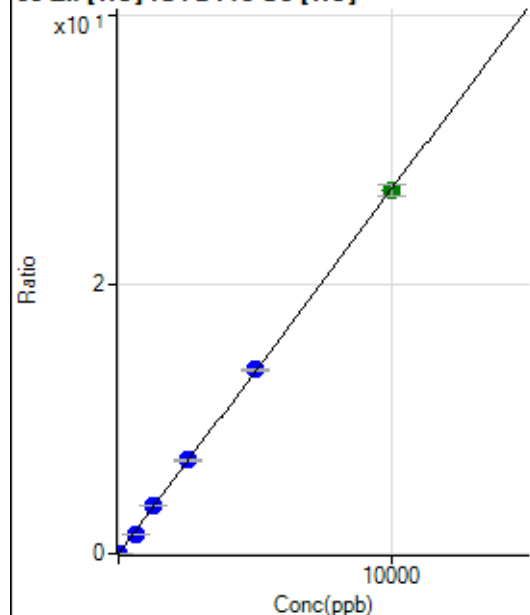
$$R = 0.9999$$

$$DL = 0.03872$$

$$BEC = 0.2736$$

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      | 68.89      | 0.0012  | P   | 49.2 |
| 2 | <input type="checkbox"/> | 2.000     | 1.992      | 387.79     | 0.0066  | P   | 13.7 |
| 3 | <input type="checkbox"/> | 625.000   | 514.444    | 80570.32   | 1.3941  | P   | 0.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1304.448   | 205802.64  | 3.5331  | P   | 1.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2562.244   | 404997.62  | 6.9387  | P   | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 5050.523   | 817450.07  | 13.6760 | P   | 0.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 9959.281   | 1581638.94 | 26.9670 | A   | 3.0  |
| 8 | <input type="checkbox"/> |           |            | 5645.63    | 0.0930  | P   | 3.0  |

$$y = 0.0027 * x + 0.0012$$

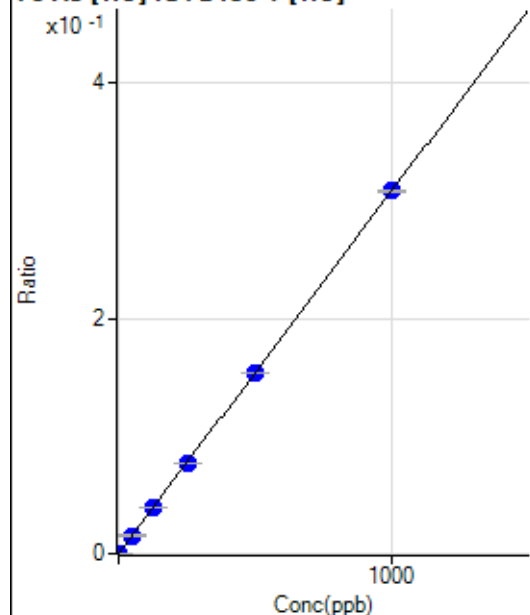
$$R = 0.9999$$

$$DL = 0.6392$$

$$BEC = 0.4332$$

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      | 1.67      | 0.0000 | P   | 35.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.061      | 131.35    | 0.0003 | P   | 13.5 |
| 3 | <input type="checkbox"/> | 50.000   | 50.355     | 5938.52   | 0.0155 | P   | 1.6  |
| 4 | <input type="checkbox"/> | 125.000  | 126.663    | 15269.43  | 0.0390 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 250.021    | 30145.65  | 0.0770 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 497.824    | 61365.61  | 0.1532 | P   | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.857   | 120597.97 | 0.3080 | P   | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 67.34     | 0.0002 | P   | 20.5 |

$$y = 3.0777E-004 * x + 4.2331E-006$$

$$R = 1.0000$$

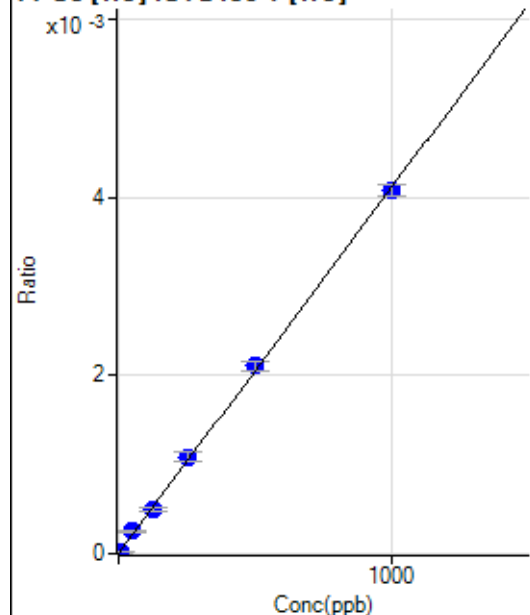
$$DL = 0.0148$$

$$BEC = 0.01375$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD   |
|---|--------------------------|----------|------------|---------|--------|-----|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.11    | 0.0000 | P   | 173.2 |
| 2 | <input type="checkbox"/> | 5.000    | 3.406      | 6.67    | 0.0000 | P   | 49.0  |
| 3 | <input type="checkbox"/> | 50.000   | 60.024     | 95.56   | 0.0002 | P   | 1.7   |
| 4 | <input type="checkbox"/> | 125.000  | 120.129    | 194.45  | 0.0005 | P   | 6.8   |
| 5 | <input type="checkbox"/> | 250.000  | 263.136    | 424.46  | 0.0011 | P   | 9.4   |
| 6 | <input type="checkbox"/> | 500.000  | 511.846    | 843.37  | 0.0021 | P   | 4.5   |
| 7 | <input type="checkbox"/> | 1000.000 | 990.908    | 1595.66 | 0.0041 | P   | 3.0   |
| 8 | <input type="checkbox"/> |          |            | 5.56    | 0.0000 | P   | 34.2  |

$$y = 4.1099\text{E-}006 * x + 2.7550\text{E-}006$$

$$R = 0.9997$$

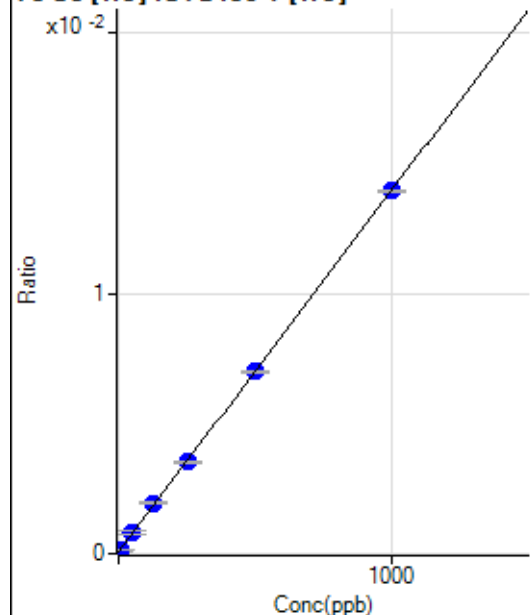
$$DL = 3.483$$

$$BEC = 0.6703$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 30.67   | 0.0001 | P   | 50.9 |
| 2 | <input type="checkbox"/> | 5.000    | 5.348      | 60.34   | 0.0002 | P   | 9.3  |
| 3 | <input type="checkbox"/> | 50.000   | 52.299     | 307.70  | 0.0008 | P   | 11.6 |
| 4 | <input type="checkbox"/> | 125.000  | 135.117    | 764.10  | 0.0020 | P   | 5.6  |
| 5 | <input type="checkbox"/> | 250.000  | 248.832    | 1381.88 | 0.0035 | P   | 2.4  |
| 6 | <input type="checkbox"/> | 500.000  | 499.894    | 2806.90 | 0.0070 | P   | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.964    | 5452.95 | 0.0139 | P   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 41.34   | 0.0001 | P   | 17.5 |

$$y = 1.3865\text{E-}005 * x + 7.8013\text{E-}005$$

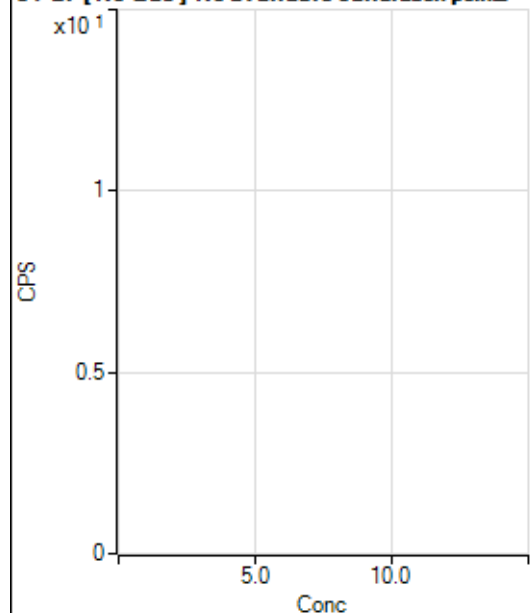
$$R = 0.9999$$

$$DL = 8.587$$

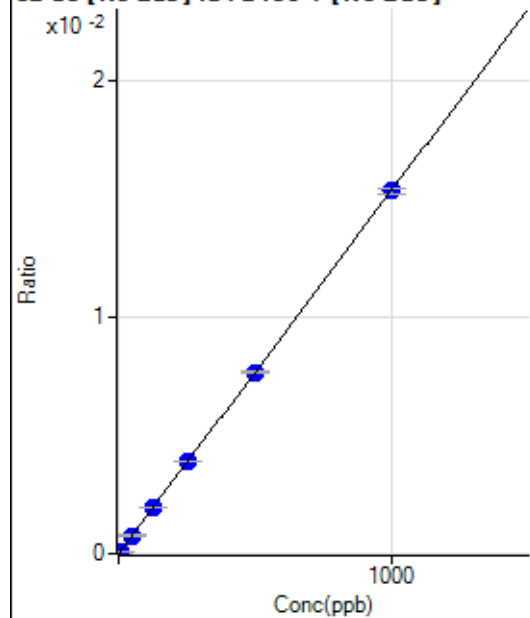
$$BEC = 5.627$$

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"/> |       |            | 1334.78 |       | P        | 15.6 |
| 2 | <input type="checkbox"/> |       |            | 1308.08 |       | P        | 3.5  |
| 3 | <input type="checkbox"/> |       |            | 1251.35 |       | P        | 7.6  |
| 4 | <input type="checkbox"/> |       |            | 1318.09 |       | P        | 1.9  |
| 5 | <input type="checkbox"/> |       |            | 1334.78 |       | P        | 12.5 |
| 6 | <input type="checkbox"/> |       |            | 1518.32 |       | P        | 5.5  |
| 7 | <input type="checkbox"/> |       |            | 1371.49 |       | P        | 7.0  |
| 8 | <input type="checkbox"/> |       |            | 1508.30 |       | P        | 6.5  |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det<br>. | RSD   |
|---|--------------------------|----------|------------|----------|--------|----------|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | -10.21   | 0.0000 | P        | -273. |
| 2 | <input type="checkbox"/> | 5.000    | 5.755      | 255.97   | 0.0001 | P        | 2.8   |
| 3 | <input type="checkbox"/> | 50.000   | 49.774     | 2245.12  | 0.0008 | P        | 5.5   |
| 4 | <input type="checkbox"/> | 125.000  | 125.952    | 5773.90  | 0.0019 | P        | 2.1   |
| 5 | <input type="checkbox"/> | 250.000  | 254.416    | 11723.24 | 0.0039 | P        | 0.3   |
| 6 | <input type="checkbox"/> | 500.000  | 499.707    | 23803.41 | 0.0077 | P        | 0.7   |
| 7 | <input type="checkbox"/> | 1000.000 | 998.931    | 47364.69 | 0.0153 | P        | 1.4   |
| 8 | <input type="checkbox"/> |          |            | 58.52    | 0.0000 | P        | 111.3 |

$$y = 1.5332E-005 * x - 3.2847E-006$$

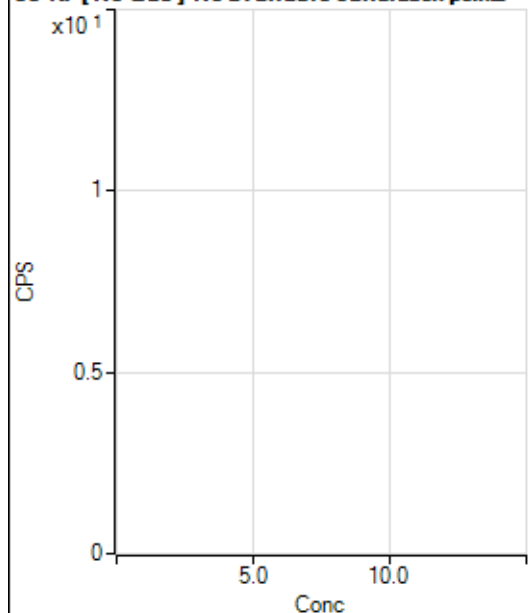
$$R = 1.0000$$

$$DL = 1.76$$

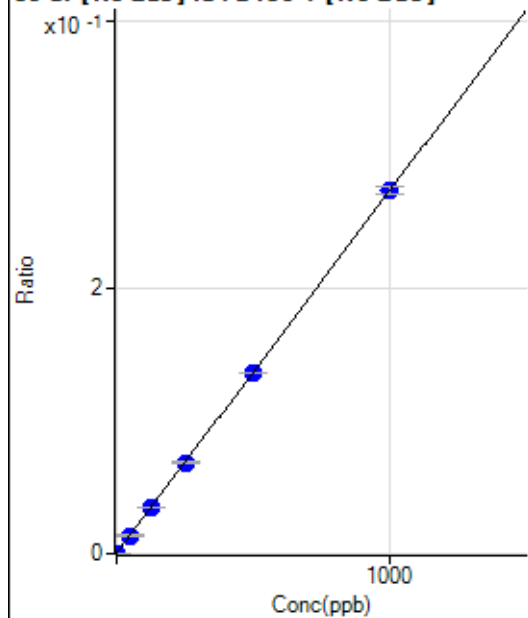
$$BEC = -0.2142$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|--------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 471.13 |       | P        | 5.0 |
| 2 | <input type="checkbox"/> |       |            | 466.68 |       | P        | 2.6 |
| 3 | <input type="checkbox"/> |       |            | 500.01 |       | P        | 9.3 |
| 4 | <input type="checkbox"/> |       |            | 471.12 |       | P        | 7.5 |
| 5 | <input type="checkbox"/> |       |            | 480.01 |       | P        | 3.9 |
| 6 | <input type="checkbox"/> |       |            | 494.46 |       | P        | 4.8 |
| 7 | <input type="checkbox"/> |       |            | 495.57 |       | P        | 2.7 |
| 8 | <input type="checkbox"/> |       |            | 448.90 |       | P        | 7.5 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 794.49    | 0.0003 | P        | 17.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.169      | 1747.38   | 0.0006 | P        | 7.6  |
| 3 | <input type="checkbox"/> | 50.000   | 49.438     | 40540.08  | 0.0137 | P        | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 126.629    | 104041.46 | 0.0347 | P        | 2.2  |
| 5 | <input type="checkbox"/> | 250.000  | 249.973    | 205444.66 | 0.0683 | P        | 1.9  |
| 6 | <input type="checkbox"/> | 500.000  | 498.992    | 423019.82 | 0.1361 | P        | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.335   | 843087.51 | 0.2726 | P        | 2.1  |
| 8 | <input type="checkbox"/> |          |            | 2705.90   | 0.0008 | P        | 2.5  |

$$y = 2.7222\text{E-}004 * x + 2.6113\text{E-}004$$

$$R = 1.0000$$

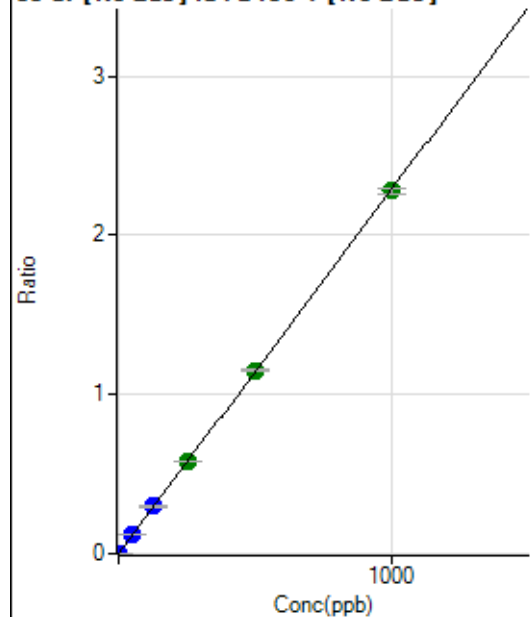
$$DL = 0.5078$$

$$BEC = 0.9593$$

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      | 94.45      | 0.0000 | P   | 57.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.065      | 7432.75    | 0.0025 | P   | 2.6  |
| 3 | <input type="checkbox"/> | 50.000   | 51.014     | 345075.75  | 0.1168 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 129.574    | 888227.49  | 0.2965 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 254.315    | 1750565.32 | 0.5820 | A   | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 503.991    | 3584863.01 | 1.1533 | A   | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.303    | 7052373.08 | 2.2799 | A   | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 16387.72   | 0.0050 | P   | 1.9  |

$$y = 0.0023 * x + 3.0902E-005$$

$$R = 1.0000$$

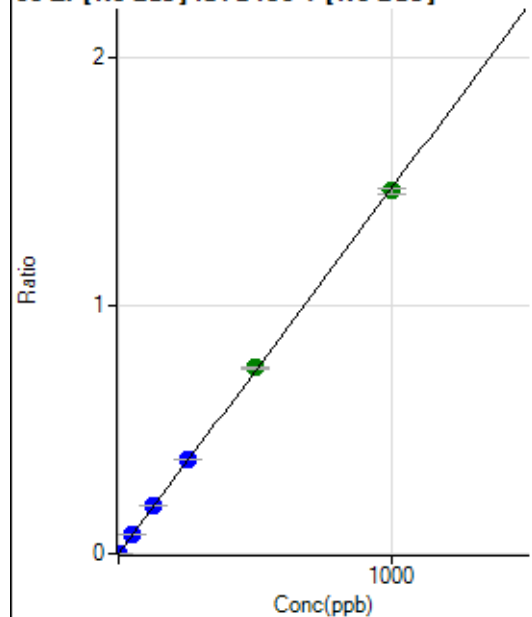
$$DL = 0.02316$$

$$BEC = 0.0135$$

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      | 147.23     | 0.0000 | P   | 32.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.875      | 4020.13    | 0.0013 | P   | 8.4  |
| 3 | <input type="checkbox"/> | 50.000   | 51.303     | 223090.98  | 0.0755 | P   | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 129.703    | 571468.42  | 0.1908 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 250.000  | 257.818    | 1140591.04 | 0.3792 | P   | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 508.660    | 2325454.50 | 0.7481 | A   | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.063    | 4517505.53 | 1.4604 | A   | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 1375.11    | 0.0004 | P   | 4.2  |

$$y = 0.0015 * x + 4.8400E-005$$

$$R = 0.9999$$

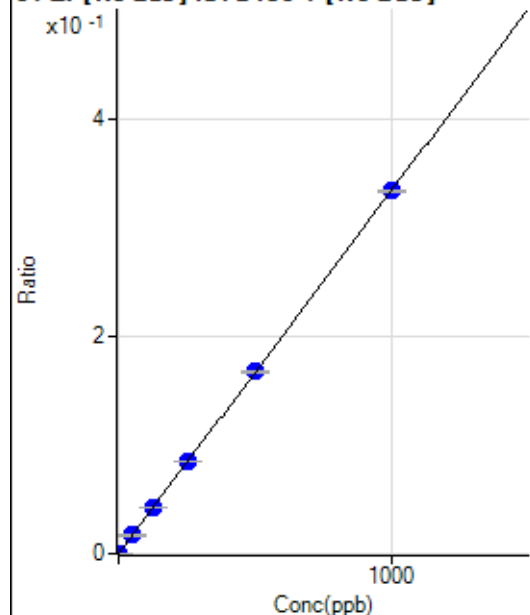
$$DL = 0.03242$$

$$BEC = 0.03291$$

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      | 44.44      | 0.0000 | P   | 30.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.873      | 922.28     | 0.0003 | P   | 5.1  |
| 3 | <input type="checkbox"/> | 50.000   | 50.355     | 49711.29   | 0.0168 | P   | 1.4  |
| 4 | <input type="checkbox"/> | 125.000  | 126.350    | 126363.43  | 0.0422 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 252.092    | 253152.33  | 0.0842 | P   | 0.1  |
| 6 | <input type="checkbox"/> | 500.000  | 500.410    | 519215.91  | 0.1670 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.085    | 1031670.38 | 0.3335 | P   | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 275.01     | 0.0001 | P   | 26.7 |

$$y = 3.3378\text{E-}004 * x + 1.4665\text{E-}005$$

$$R = 1.0000$$

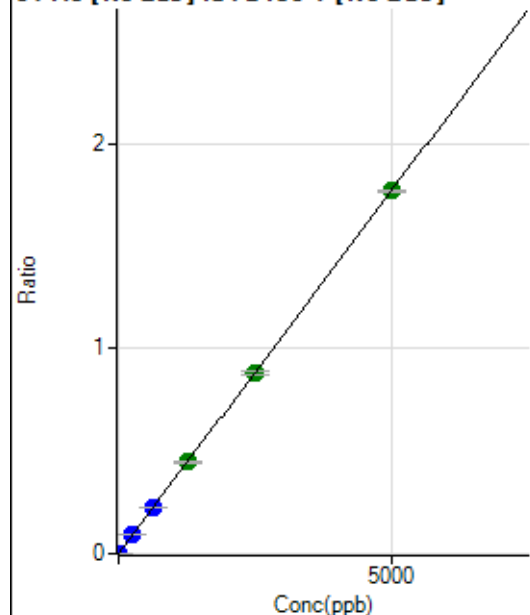
$$DL = 0.03988$$

$$BEC = 0.04394$$

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      | 58.34      | 0.0000 | P   | 28.1 |
| 2 | <input type="checkbox"/> | 5.000    | 5.158      | 5554.05    | 0.0018 | P   | 5.1  |
| 3 | <input type="checkbox"/> | 250.000  | 253.667    | 265312.35  | 0.0898 | P   | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 638.260    | 676535.68  | 0.2259 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 1250.000 | 1262.483   | 1343727.07 | 0.4468 | A   | 1.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2493.384   | 2742278.53 | 0.8823 | A   | 1.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4998.346   | 5471838.01 | 1.7687 | A   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 3731.16    | 0.0011 | P   | 4.7  |

$$y = 3.5385\text{E-}004 * x + 1.9161\text{E-}005$$

$$R = 1.0000$$

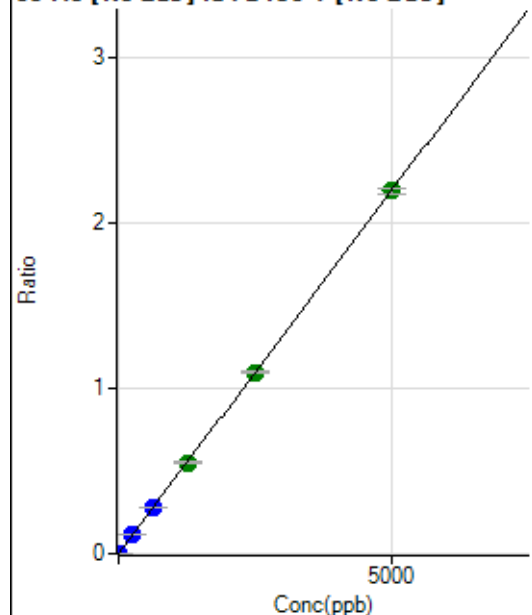
$$DL = 0.04561$$

$$BEC = 0.05415$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5.55       | 0.0000 | P        | 86.6 |
| 2 | <input type="checkbox"/> | 5.000    | 5.267      | 6963.05    | 0.0023 | P        | 0.7  |
| 3 | <input type="checkbox"/> | 250.000  | 253.779    | 328732.78  | 0.1112 | P        | 0.8  |
| 4 | <input type="checkbox"/> | 625.000  | 638.892    | 838801.77  | 0.2800 | P        | 1.2  |
| 5 | <input type="checkbox"/> | 1250.000 | 1255.368   | 1655143.61 | 0.5503 | A        | 0.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2496.407   | 3401247.25 | 1.0943 | A        | 1.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4998.529   | 6777694.25 | 2.1910 | A        | 1.7  |
| 8 | <input type="checkbox"/> |          |            | 5531.80    | 0.0017 | P        | 3.6  |

$$y = 4.3833\text{E-}004 * x + 1.8119\text{E-}006$$

$$R = 1.0000$$

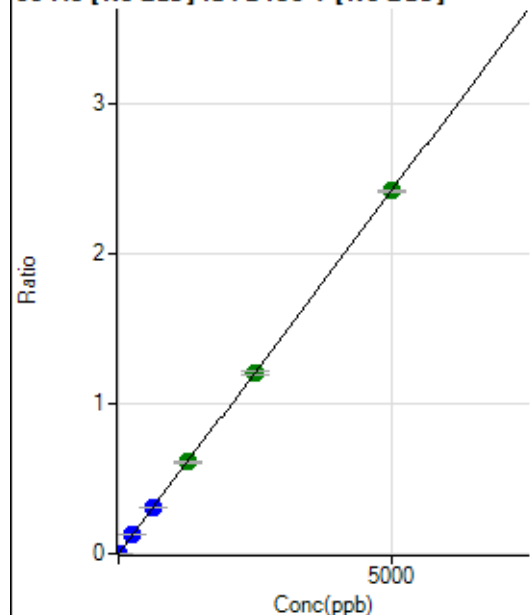
$$DL = 0.01074$$

$$BEC = 0.004134$$

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      | 41.67      | 0.0000 | P        | 1.6 |
| 2 | <input type="checkbox"/> | 5.000    | 5.480      | 8021.97    | 0.0027 | P        | 3.8 |
| 3 | <input type="checkbox"/> | 250.000  | 253.774    | 362292.03  | 0.1226 | P        | 0.6 |
| 4 | <input type="checkbox"/> | 625.000  | 637.520    | 922430.04  | 0.3080 | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1250.000 | 1262.844   | 1834824.83 | 0.6100 | A        | 0.8 |
| 6 | <input type="checkbox"/> | 2500.000 | 2491.204   | 3740070.79 | 1.2033 | A        | 2.0 |
| 7 | <input type="checkbox"/> | 5000.000 | 4999.432   | 7470439.05 | 2.4149 | A        | 0.9 |
| 8 | <input type="checkbox"/> |          |            | 6432.24    | 0.0020 | P        | 2.6 |

$$y = 4.8303\text{E-}004 * x + 1.3708\text{E-}005$$

$$R = 1.0000$$

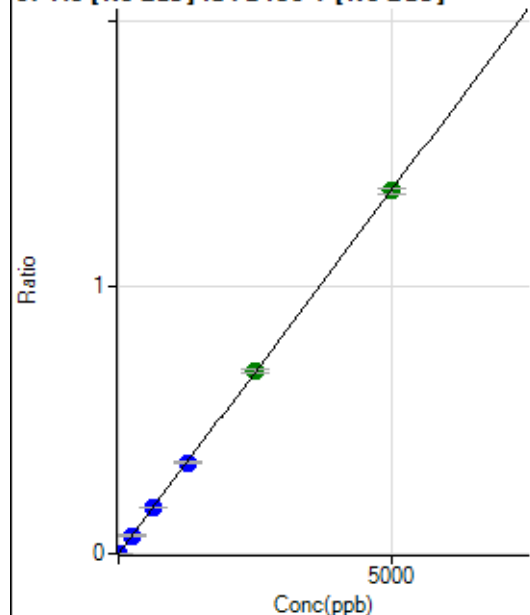
$$DL = 0.001403$$

$$BEC = 0.02838$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 11.11      | 0.0000 | P    | 86.6 |
| 2 | <input type="checkbox"/> | 5.000    | 5.208      | 4286.89    | 0.0014 | P    | 6.9  |
| 3 | <input type="checkbox"/> | 250.000  | 251.149    | 202232.46  | 0.0684 | P    | 1.7  |
| 4 | <input type="checkbox"/> | 625.000  | 631.076    | 515101.56  | 0.1720 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1253.323   | 1027247.25 | 0.3415 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2514.904   | 2130220.88 | 0.6853 | A    | 1.6  |
| 7 | <input type="checkbox"/> | 5000.000 | 4990.900   | 4206974.96 | 1.3600 | A    | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 3367.18    | 0.0010 | P    | 7.3  |

$$y = 2.7249\text{E-}004 * x + 3.6261\text{E-}006$$

$$R = 1.0000$$

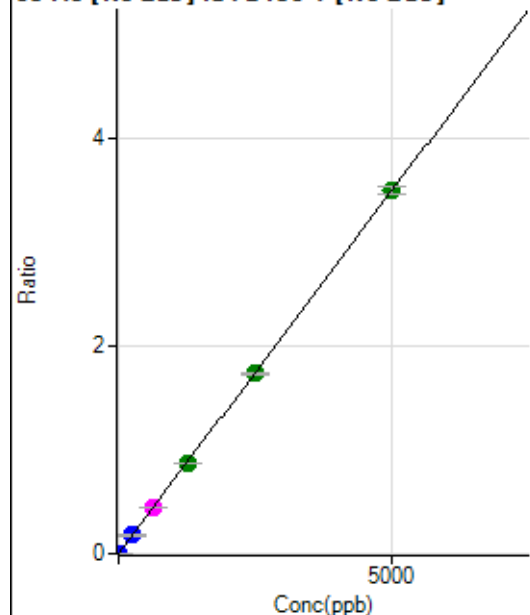
$$DL = 0.03458$$

$$BEC = 0.01331$$

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      | 22.22       | 0.0000 | P    | 107.0 |
| 2 | <input type="checkbox"/> | 5.000    | 5.346      | 11296.55    | 0.0037 | P    | 2.8   |
| 3 | <input type="checkbox"/> | 250.000  | 254.290    | 525659.64   | 0.1779 | P    | 2.1   |
| 4 | <input type="checkbox"/> | 625.000  | 631.540    | 1323351.79  | 0.4418 | M    | 0.6   |
| 5 | <input type="checkbox"/> | 1250.000 | 1250.227   | 2630511.65  | 0.8746 | A    | 1.4   |
| 6 | <input type="checkbox"/> | 2500.000 | 2488.762   | 5411335.58  | 1.7410 | A    | 1.1   |
| 7 | <input type="checkbox"/> | 5000.000 | 5004.530   | 10828548.68 | 3.5008 | A    | 2.0   |
| 8 | <input type="checkbox"/> |          |            | 8719.60     | 0.0027 | P    | 6.0   |

$$y = 6.9953\text{E-}004 * x + 7.2336\text{E-}006$$

$$R = 1.0000$$

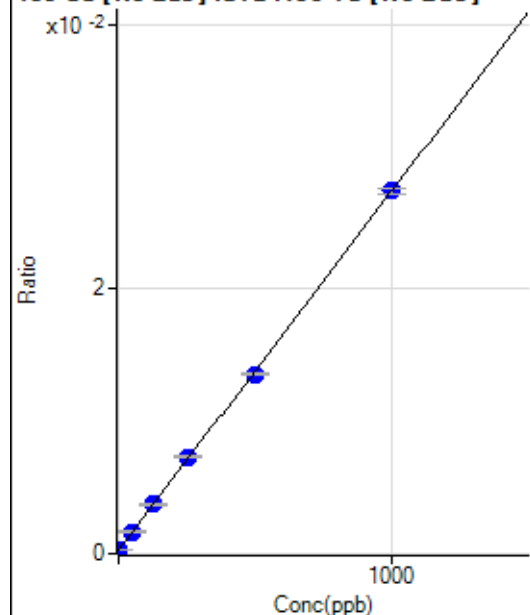
$$DL = 0.03321$$

$$BEC = 0.01034$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 683.37   | 0.0003 | P   | 5.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.821      | 788.94   | 0.0003 | P   | 8.3 |
| 3 | <input type="checkbox"/> | 50.000   | 49.547     | 3953.45  | 0.0016 | P   | 7.5 |
| 4 | <input type="checkbox"/> | 125.000  | 128.796    | 9322.88  | 0.0038 | P   | 3.4 |
| 5 | <input type="checkbox"/> | 250.000  | 260.632    | 18142.92 | 0.0073 | P   | 2.5 |
| 6 | <input type="checkbox"/> | 500.000  | 490.941    | 35273.55 | 0.0136 | P   | 1.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.419   | 70457.62 | 0.0274 | P   | 1.6 |
| 8 | <input type="checkbox"/> |          |            | 752.82   | 0.0003 | P   | 8.4 |

$$y = 2.7105E-005 * x + 2.6903E-004$$

$$R = 0.9999$$

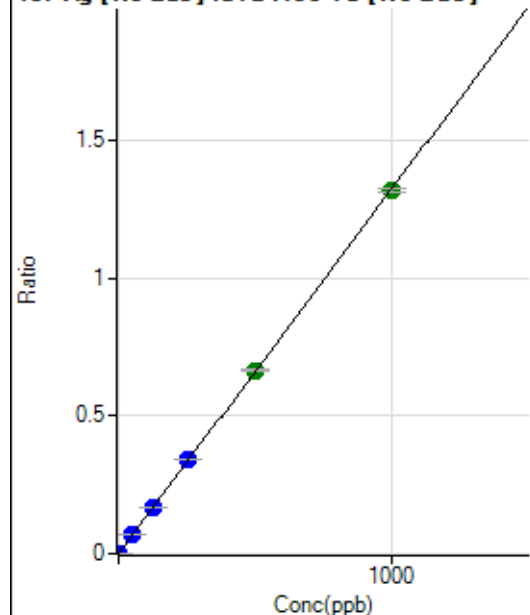
$$DL = 1.683$$

$$BEC = 9.925$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD   |
|---|--------------------------|----------|------------|------------|--------|-----|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 11.11      | 0.0000 | P   | 114.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.815      | 2683.66    | 0.0011 | P   | 5.4   |
| 3 | <input type="checkbox"/> | 50.000   | 51.641     | 167638.26  | 0.0683 | P   | 0.3   |
| 4 | <input type="checkbox"/> | 125.000  | 128.226    | 420782.48  | 0.1697 | P   | 0.3   |
| 5 | <input type="checkbox"/> | 250.000  | 258.758    | 847090.65  | 0.3425 | P   | 1.1   |
| 6 | <input type="checkbox"/> | 500.000  | 503.510    | 1731408.55 | 0.6664 | A   | 1.6   |
| 7 | <input type="checkbox"/> | 1000.000 | 995.570    | 3386749.38 | 1.3176 | A   | 1.1   |
| 8 | <input type="checkbox"/> |          |            | 952.83     | 0.0004 | P   | 6.0   |

$$y = 0.0013 * x + 4.3895E-006$$

$$R = 0.9999$$

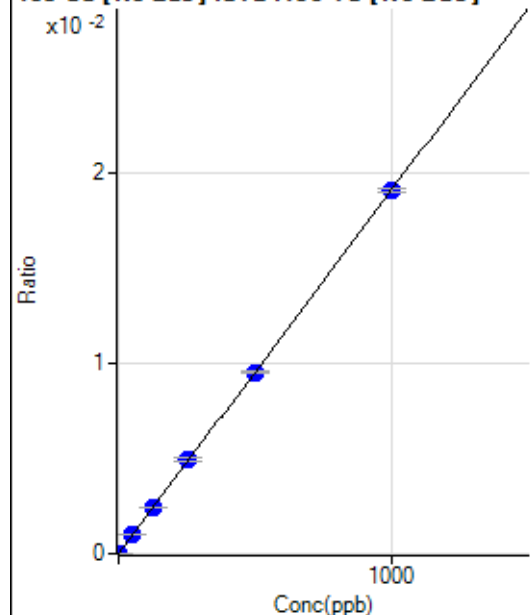
$$DL = 0.01136$$

$$BEC = 0.003317$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD   |
|---|--------------------------|----------|------------|----------|--------|-----|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.39     | 0.0000 | P   | 173.2 |
| 2 | <input type="checkbox"/> | 1.000    | 1.234      | 59.72    | 0.0000 | P   | 7.9   |
| 3 | <input type="checkbox"/> | 50.000   | 52.860     | 2472.48  | 0.0010 | P   | 2.5   |
| 4 | <input type="checkbox"/> | 125.000  | 126.839    | 5995.82  | 0.0024 | P   | 0.7   |
| 5 | <input type="checkbox"/> | 250.000  | 259.465    | 12234.72 | 0.0049 | P   | 4.8   |
| 6 | <input type="checkbox"/> | 500.000  | 498.710    | 24700.03 | 0.0095 | P   | 1.6   |
| 7 | <input type="checkbox"/> | 1000.000 | 997.906    | 48897.42 | 0.0190 | P   | 1.1   |
| 8 | <input type="checkbox"/> |          |            | 27.78    | 0.0000 | P   | 48.4  |

$$y = 1.9061\text{E-}005 * x + 5.5421\text{E-}007$$

$$R = 1.0000$$

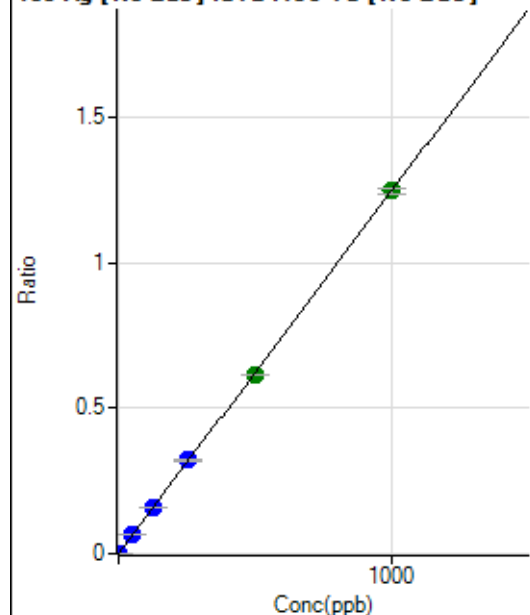
$$DL = 0.1511$$

$$BEC = 0.02908$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5.55       | 0.0000 | P   | 86.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.893      | 2772.58    | 0.0011 | P   | 7.0  |
| 3 | <input type="checkbox"/> | 50.000   | 51.307     | 157174.94  | 0.0641 | P   | 1.1  |
| 4 | <input type="checkbox"/> | 125.000  | 128.525    | 398014.47  | 0.1605 | P   | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 257.975    | 796941.86  | 0.3222 | P   | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 494.403    | 1604337.53 | 0.6175 | A   | 0.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.299   | 3211210.68 | 1.2493 | A   | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 897.27     | 0.0003 | P   | 6.6  |

$$y = 0.0012 * x + 2.1850\text{E-}006$$

$$R = 0.9999$$

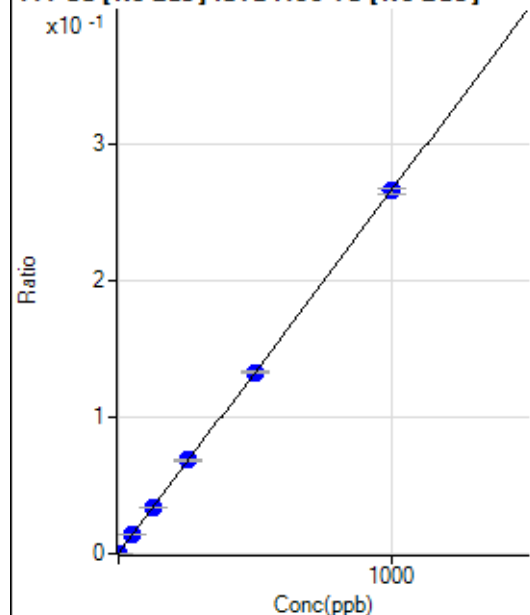
$$DL = 0.004546$$

$$BEC = 0.001749$$

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      | 481.55    | 0.0002 | P        | 4.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.127      | 1211.86   | 0.0005 | P        | 5.9 |
| 3 | <input type="checkbox"/> | 50.000   | 50.316     | 33271.63  | 0.0136 | P        | 2.0 |
| 4 | <input type="checkbox"/> | 125.000  | 126.723    | 83998.13  | 0.0339 | P        | 1.8 |
| 5 | <input type="checkbox"/> | 250.000  | 257.215    | 169586.13 | 0.0686 | P        | 1.1 |
| 6 | <input type="checkbox"/> | 500.000  | 498.063    | 344486.92 | 0.1326 | P        | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 998.934    | 683019.15 | 0.2657 | P        | 1.6 |
| 8 | <input type="checkbox"/> |          |            | 625.59    | 0.0002 | P        | 9.2 |

$$y = 2.6583\text{E-}004 * x + 1.8956\text{E-}004$$

$$R = 1.0000$$

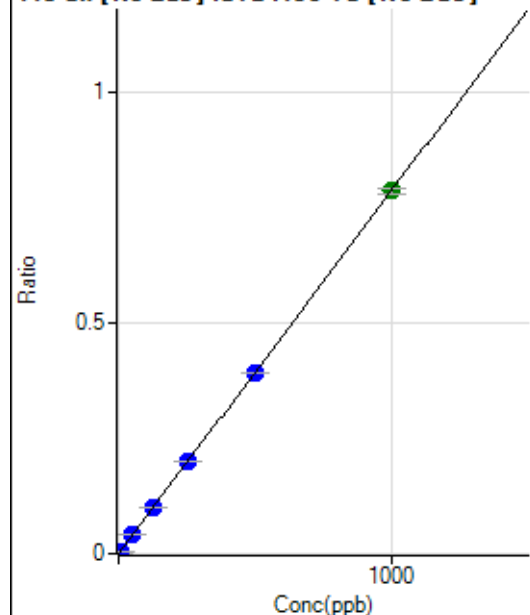
$$DL = 0.1017$$

$$BEC = 0.7131$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 158.34     | 0.0001 | P        | 1.3 |
| 2 | <input type="checkbox"/> | 5.000    | 5.336      | 10562.68   | 0.0043 | P        | 3.3 |
| 3 | <input type="checkbox"/> | 50.000   | 50.626     | 97867.88   | 0.0399 | P        | 1.2 |
| 4 | <input type="checkbox"/> | 125.000  | 126.591    | 247158.45  | 0.0997 | P        | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 253.931    | 494396.11  | 0.1999 | P        | 1.5 |
| 6 | <input type="checkbox"/> | 500.000  | 498.527    | 1019463.46 | 0.3924 | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 999.522    | 2021834.62 | 0.7866 | A        | 1.9 |
| 8 | <input type="checkbox"/> |          |            | 1180.64    | 0.0004 | P        | 3.7 |

$$y = 7.8695\text{E-}004 * x + 6.2323\text{E-}005$$

$$R = 1.0000$$

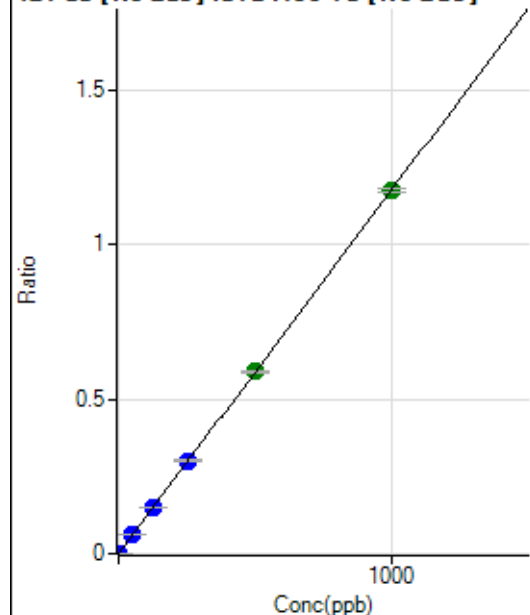
$$DL = 0.003176$$

$$BEC = 0.0792$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 22.22      | 0.0000 | P        | 43.4 |
| 2 | <input type="checkbox"/> | 2.000    | 2.051      | 5993.13    | 0.0024 | P        | 6.6  |
| 3 | <input type="checkbox"/> | 50.000   | 50.546     | 145836.06  | 0.0595 | P        | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 126.979    | 370344.45  | 0.1494 | P        | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 256.502    | 746209.36  | 0.3017 | P        | 1.8  |
| 6 | <input type="checkbox"/> | 500.000  | 500.129    | 1528420.59 | 0.5883 | A        | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.035    | 3017486.66 | 1.1739 | A        | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 2144.66    | 0.0008 | P        | 6.1  |

$$y = 0.0012 * x + 8.7487E-006$$

$$R = 1.0000$$

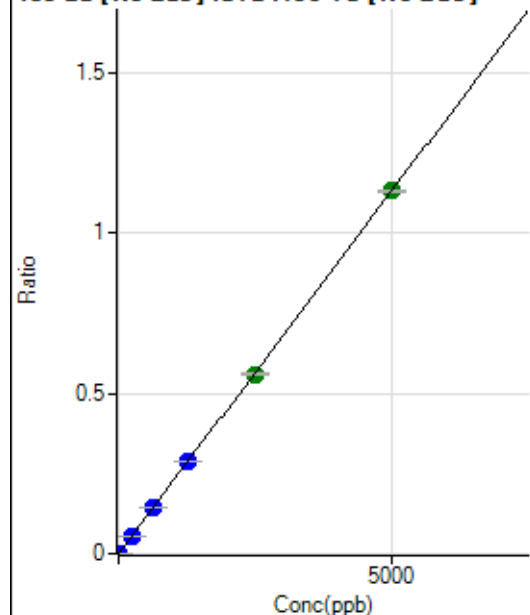
$$DL = 0.009676$$

$$BEC = 0.007438$$

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      | 19.44      | 0.0000 | P        | 48.9 |
| 2 | <input type="checkbox"/> | 10.000   | 10.369     | 5831.97    | 0.0024 | P        | 2.3  |
| 3 | <input type="checkbox"/> | 250.000  | 249.211    | 138273.19  | 0.0564 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 625.000  | 634.590    | 355914.39  | 0.1435 | P        | 0.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1267.536   | 709129.57  | 0.2867 | P        | 1.1  |
| 6 | <input type="checkbox"/> | 2500.000 | 2478.008   | 1456260.92 | 0.5605 | A        | 0.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 5005.452   | 2910270.29 | 1.1322 | A        | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 5545.73    | 0.0021 | P        | 1.0  |

$$y = 2.2619E-004 * x + 7.6245E-006$$

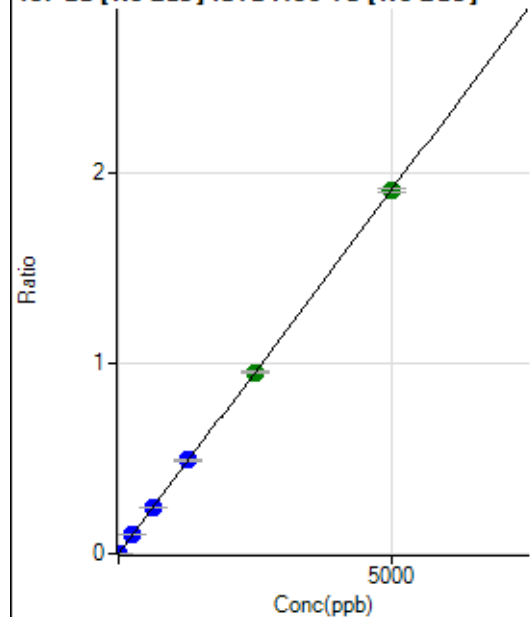
$$R = 1.0000$$

$$DL = 0.04944$$

$$BEC = 0.03371$$

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      | 50.00      | 0.0000 | P        | 15.3 |
| 2 | <input type="checkbox"/> | 10.000   | 10.710     | 10209.68   | 0.0041 | P        | 3.1  |
| 3 | <input type="checkbox"/> | 250.000  | 256.411    | 240751.59  | 0.0982 | P        | 1.0  |
| 4 | <input type="checkbox"/> | 625.000  | 640.506    | 607894.68  | 0.2452 | P        | 0.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1284.932   | 1216484.28 | 0.4918 | P        | 0.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2497.227   | 2483358.65 | 0.9558 | A        | 1.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 4990.393   | 4909878.97 | 1.9101 | A        | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 10368.17   | 0.0039 | P        | 2.3  |

$$y = 3.8274E-004 * x + 1.9651E-005$$

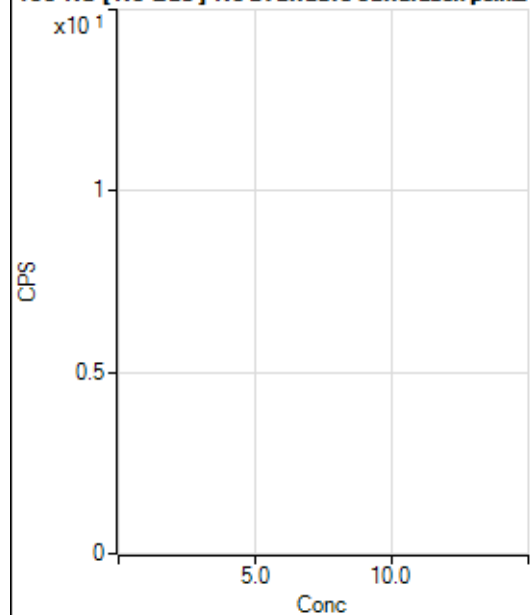
$$R = 1.0000$$

$$DL = 0.02363$$

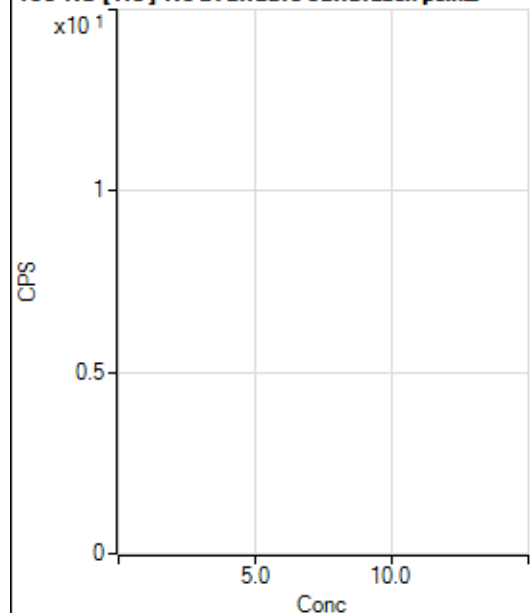
$$BEC = 0.05134$$

Weight: &lt;None&gt;

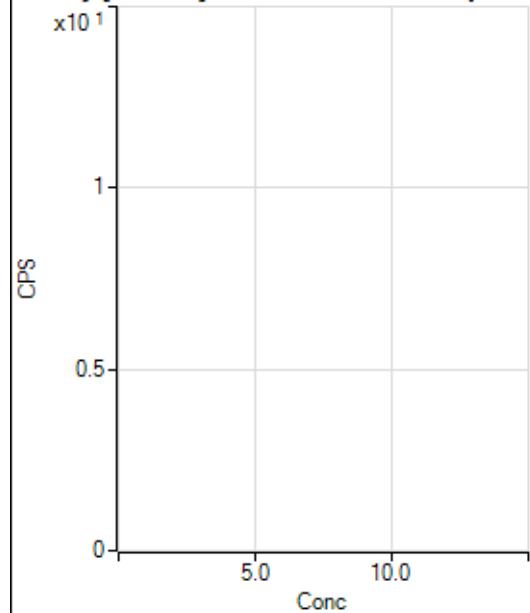
Min Conc: 0

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

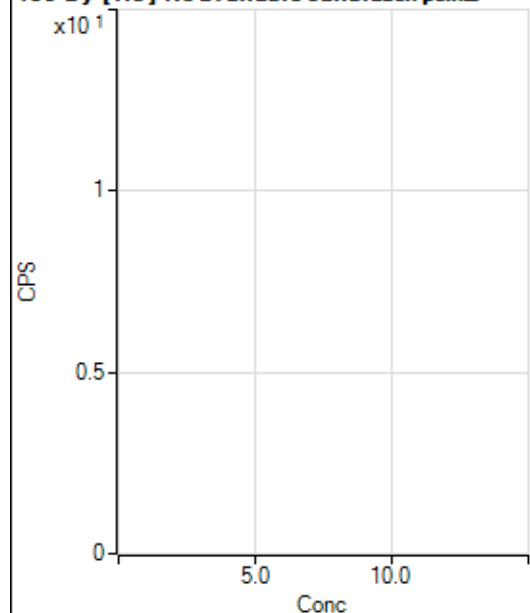
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 173.2 |
| 2 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 114.5 |
| 3 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 69.3  |
| 4 | <input type="checkbox"/> |       |            | 13.33  |       | P        | 50.0  |
| 5 | <input type="checkbox"/> |       |            | 42.22  |       | P        | 55.5  |
| 6 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 19.3  |
| 7 | <input type="checkbox"/> |       |            | 106.67 |       | P        | 33.1  |
| 8 | <input type="checkbox"/> |       |            | 31.11  |       | P        | 12.4  |

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

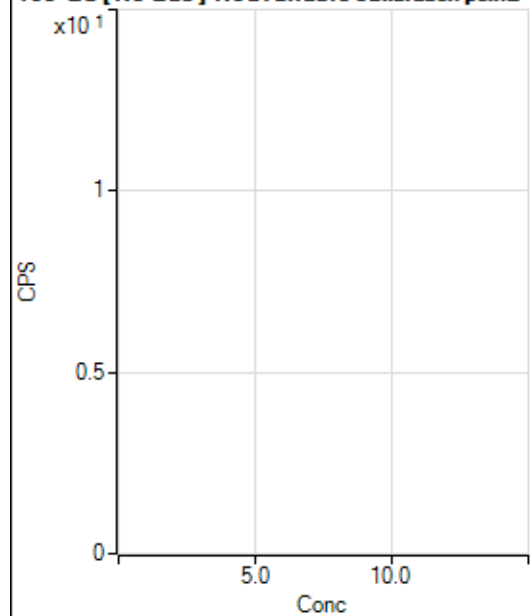
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|-------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173.2 |
| 2 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173.2 |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173.2 |
| 4 | <input type="checkbox"/> |       |            | 4.45  |       | P        | 86.6  |
| 5 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6  |
| 6 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7  |
| 7 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 114.6 |
| 8 | <input type="checkbox"/> |       |            | 15.55 |       | P        | 24.8  |

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

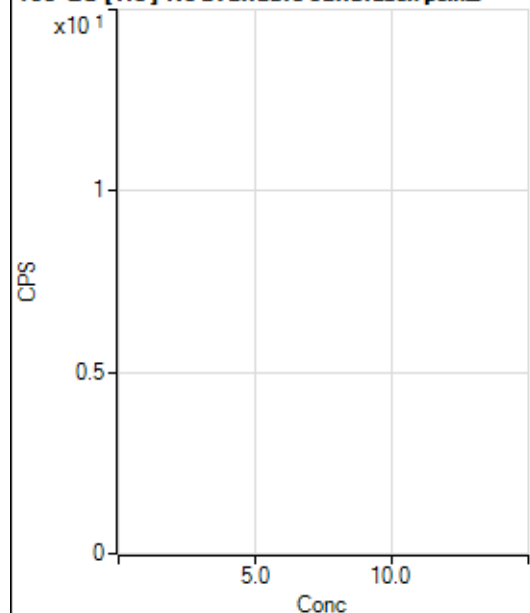
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 114.6 |
| 2 | <input type="checkbox"/> |       |            | 13.89  |       | P        | 34.7  |
| 3 | <input type="checkbox"/> |       |            | 2.78   |       | P        | 173.2 |
| 4 | <input type="checkbox"/> |       |            | 5.55   |       | P        | 86.6  |
| 5 | <input type="checkbox"/> |       |            | 16.67  |       | P        | NaN   |
| 6 | <input type="checkbox"/> |       |            | 41.67  |       | P        | 72.1  |
| 7 | <input type="checkbox"/> |       |            | 86.11  |       | P        | 29.6  |
| 8 | <input type="checkbox"/> |       |            | 191.67 |       | P        | 8.7   |

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

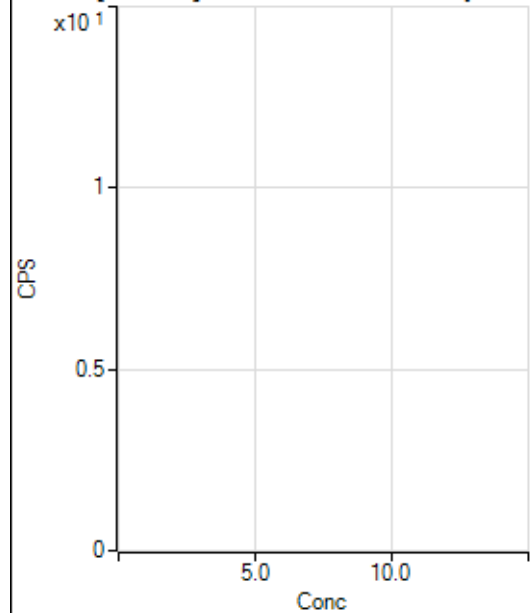
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 43.4  |
| 2 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 43.4  |
| 3 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 43.4  |
| 4 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 100.0 |
| 5 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 86.6  |
| 6 | <input type="checkbox"/> |       |            | 17.78  |       | P        | 28.6  |
| 7 | <input type="checkbox"/> |       |            | 28.89  |       | P        | 24.0  |
| 8 | <input type="checkbox"/> |       |            | 102.22 |       | P        | 21.7  |

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

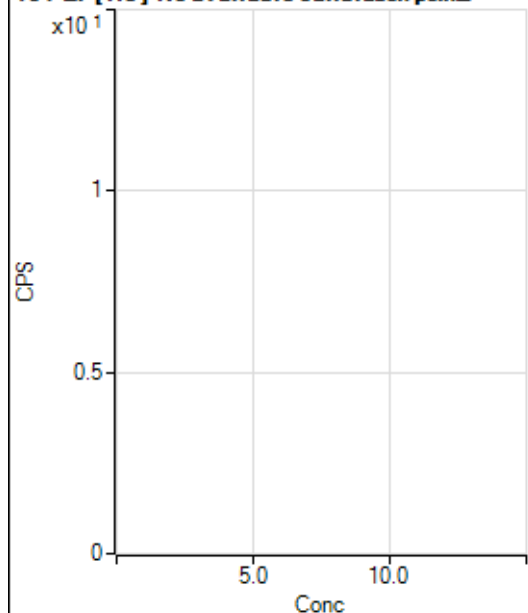
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 57.7 |
| 2 | <input type="checkbox"/> |       |            | 19.45  |       | P        | 24.7 |
| 3 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 57.3 |
| 4 | <input type="checkbox"/> |       |            | 30.56  |       | P        | 63.0 |
| 5 | <input type="checkbox"/> |       |            | 30.56  |       | P        | 87.7 |
| 6 | <input type="checkbox"/> |       |            | 47.22  |       | P        | 36.7 |
| 7 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 7.9  |
| 8 | <input type="checkbox"/> |       |            | 211.12 |       | P        | 38.3 |

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

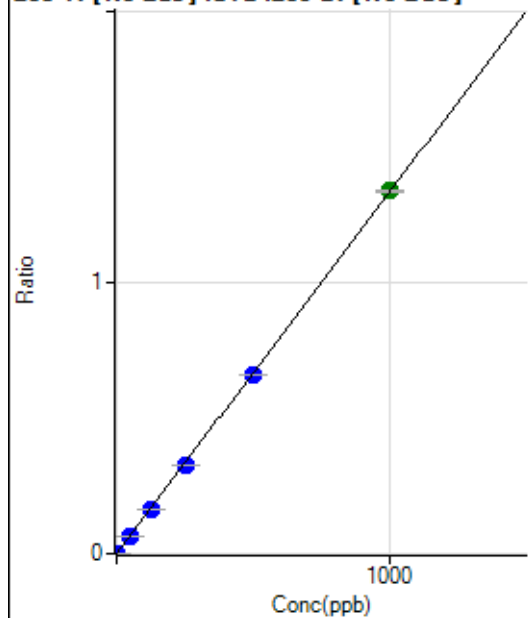
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 14.44  |       | P        | 13.4 |
| 2 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 78.1 |
| 3 | <input type="checkbox"/> |       |            | 7.78   |       | P        | 49.5 |
| 4 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 41.7 |
| 5 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 41.7 |
| 6 | <input type="checkbox"/> |       |            | 26.67  |       | P        | 21.7 |
| 7 | <input type="checkbox"/> |       |            | 37.78  |       | P        | 43.5 |
| 8 | <input type="checkbox"/> |       |            | 111.12 |       | P        | 27.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|-------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 13.89 |       | P        | 91.6  |
| 2 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 43.3  |
| 3 | <input type="checkbox"/> |       |            | 19.45 |       | P        | 107.9 |
| 4 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 43.3  |
| 5 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 50.0  |
| 6 | <input type="checkbox"/> |       |            | 19.44 |       | P        | 65.5  |
| 7 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 32.7  |
| 8 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 57.7  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|-------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 100.0 |
| 2 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 65.5  |
| 3 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 65.5  |
| 4 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 49.5  |
| 5 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 91.6  |
| 6 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 49.5  |
| 7 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 89.2  |
| 8 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 33.3  |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 27.78      | 0.0000 | P        | 34.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.982      | 1902.97    | 0.0013 | P        | 4.8  |
| 3 | <input type="checkbox"/> | 50.000   | 49.713     | 93387.17   | 0.0663 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 123.387    | 235565.26  | 0.1646 | P        | 1.5  |
| 5 | <input type="checkbox"/> | 250.000  | 246.372    | 475225.28  | 0.3287 | P        | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 495.290    | 978869.75  | 0.6607 | P        | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.478   | 1974715.56 | 1.3386 | A        | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 908.39     | 0.0006 | P        | 11.2 |

$$y = 0.0013 * x + 1.9060E-005$$

$$R = 1.0000$$

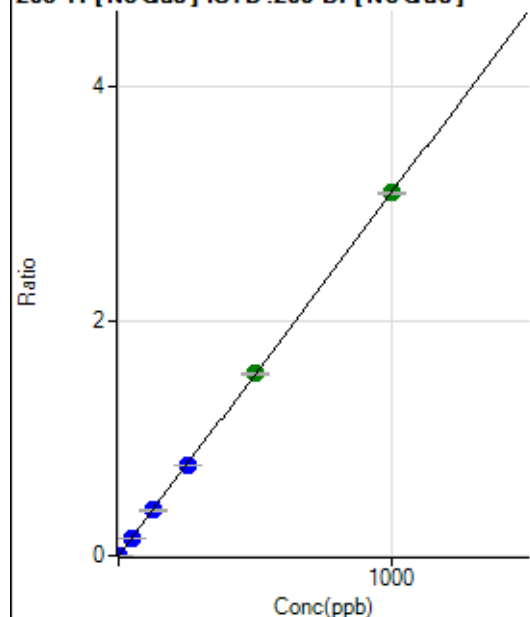
$$DL = 0.0147$$

$$BEC = 0.01429$$

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      | 55.56      | 0.0000 | P        | 8.3  |
| 2 | <input type="checkbox"/> | 1.000    | 0.975      | 4375.86    | 0.0031 | P        | 4.3  |
| 3 | <input type="checkbox"/> | 50.000   | 49.831     | 217462.03  | 0.1545 | P        | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 124.877    | 553841.31  | 0.3870 | P        | 1.9  |
| 5 | <input type="checkbox"/> | 250.000  | 248.791    | 1114834.01 | 0.7710 | P        | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 501.595    | 2303184.86 | 1.5545 | A        | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.529    | 4569502.23 | 3.0975 | A        | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 2108.56    | 0.0015 | P        | 12.6 |

$$y = 0.0031 * x + 3.8157E-005$$

$$R = 1.0000$$

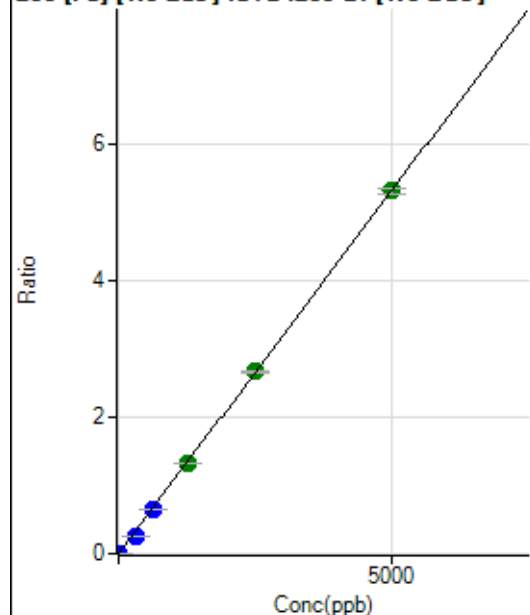
$$DL = 0.003049$$

$$BEC = 0.01231$$

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      | 314.82     | 0.0002 | P        | 10.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.019      | 1859.43    | 0.0013 | P        | 3.1  |
| 3 | <input type="checkbox"/> | 312.500  | 247.668    | 370782.31  | 0.2634 | P        | 1.4  |
| 4 | <input type="checkbox"/> | 625.000  | 614.348    | 934546.08  | 0.6530 | P        | 1.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1251.572   | 1923229.76 | 1.3301 | A        | 0.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2509.262   | 3950670.05 | 2.6666 | A        | 0.8  |
| 7 | <input type="checkbox"/> | 5000.000 | 5000.360   | 7839197.51 | 5.3137 | A        | 1.5  |
| 8 | <input type="checkbox"/> |          |            | 9670.42    | 0.0067 | P        | 1.7  |

$$y = 0.0011 * x + 2.1640E-004$$

$$R = 0.9999$$

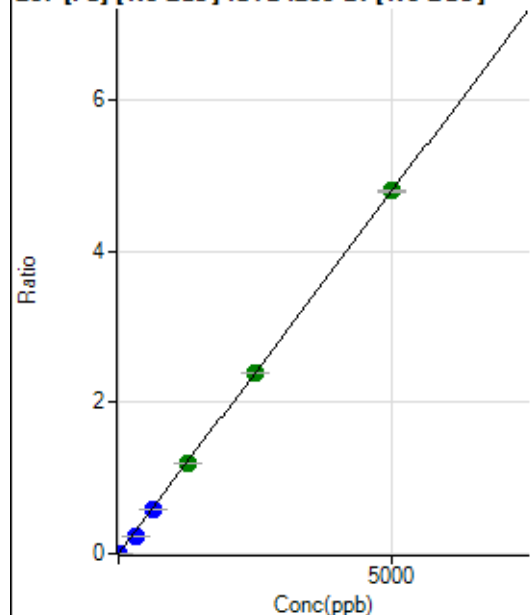
$$DL = 0.06091$$

$$BEC = 0.2037$$

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 | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 277.79     | 0.0002 | P   | 29.1 |
| 2 | <input type="checkbox"/> | 1.000    | 1.048      | 1709.40    | 0.0012 | P   | 8.6  |
| 3 | <input type="checkbox"/> | 312.500  | 247.721    | 334972.37  | 0.2379 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 625.000  | 613.101    | 842377.87  | 0.5886 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1243.564   | 1725995.84 | 1.1937 | A   | 1.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2498.774   | 3553358.12 | 2.3984 | A   | 0.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 5007.758   | 7090782.62 | 4.8064 | A   | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 8638.19    | 0.0060 | P   | 3.4  |

$$y = 9.5976E-004 * x + 1.9064E-004$$

$$R = 0.9999$$

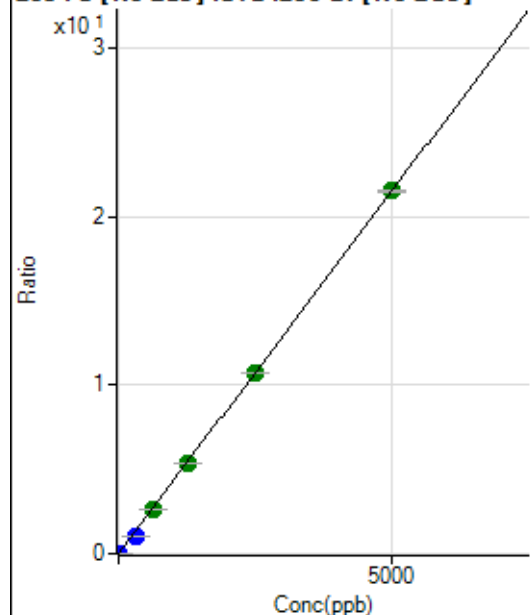
$$DL = 0.1732$$

$$BEC = 0.1986$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1337.09     | 0.0009  | P   | 4.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.982      | 7358.33     | 0.0051  | P   | 3.9 |
| 3 | <input type="checkbox"/> | 312.500  | 247.702    | 1501015.81  | 1.0663  | P   | 1.2 |
| 4 | <input type="checkbox"/> | 625.000  | 621.515    | 3826788.07  | 2.6740  | A   | 0.3 |
| 5 | <input type="checkbox"/> | 1250.000 | 1243.471   | 7733961.14  | 5.3489  | A   | 0.5 |
| 6 | <input type="checkbox"/> | 2500.000 | 2495.277   | 15901159.32 | 10.7328 | A   | 0.2 |
| 7 | <input type="checkbox"/> | 5000.000 | 5008.479   | 31779767.43 | 21.5418 | A   | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 38995.73    | 0.0272  | P   | 1.1 |

$$y = 0.0043 * x + 9.1821E-004$$

$$R = 0.9999$$

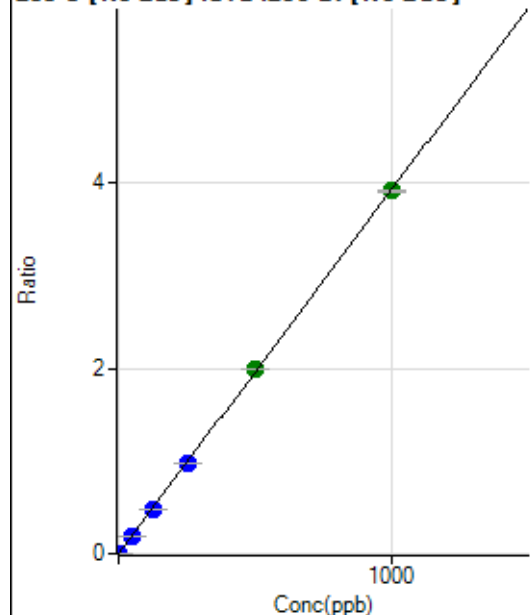
$$DL = 0.03066$$

$$BEC = 0.2135$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 16.67      | 0.0000 | P        | 50.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.960      | 5412.44    | 0.0038 | P        | 1.1  |
| 3 | <input type="checkbox"/> | 50.000   | 49.339     | 272622.53  | 0.1936 | P        | 0.2  |
| 4 | <input type="checkbox"/> | 125.000  | 123.365    | 692875.15  | 0.4842 | P        | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 247.377    | 1403705.78 | 0.9708 | P        | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 507.311    | 2949749.39 | 1.9909 | A        | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.238    | 5773455.16 | 3.9136 | A        | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 586.14     | 0.0004 | P        | 11.3 |

$$y = 0.0039 * x + 1.1483E-005$$

$$R = 1.0000$$

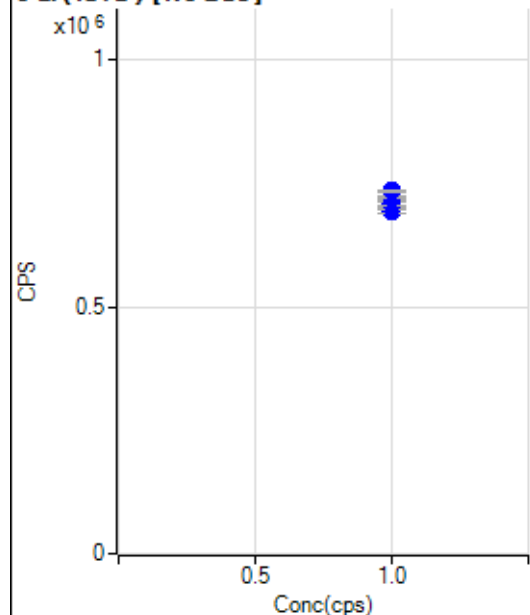
$$DL = 0.004442$$

$$BEC = 0.002926$$

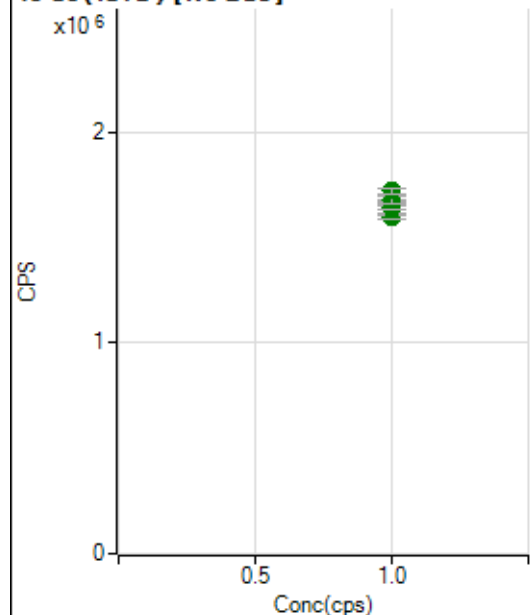
Weight: &lt;None&gt;

Min Conc: 0

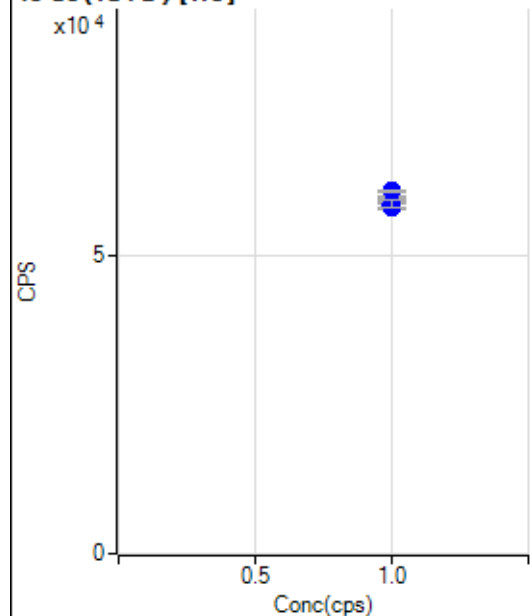
6 Li (ISTD) [No Gas]



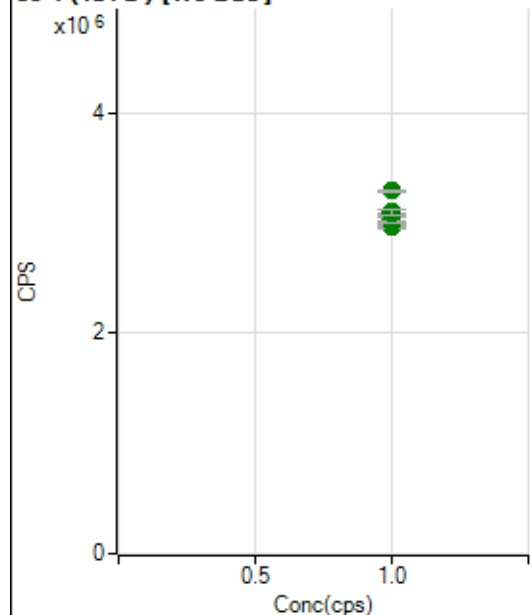
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 720888.95 |       | P        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 707749.89 |       | P        | 2.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 692600.03 |       | P        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 700013.77 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 707965.79 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 720740.37 |       | P        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 722554.11 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 734322.02 |       | P        | 0.3 |

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

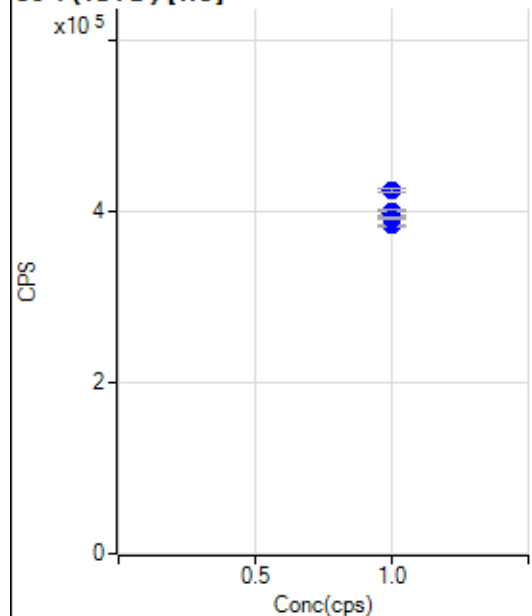
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1671069.96 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1650323.01 |       | A        | 2.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1598119.19 |       | A        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1634579.54 |       | A        | 2.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1644421.62 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1659570.83 |       | A        | 2.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1679552.41 |       | A        | 2.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1721252.87 |       | A        | 1.4 |

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

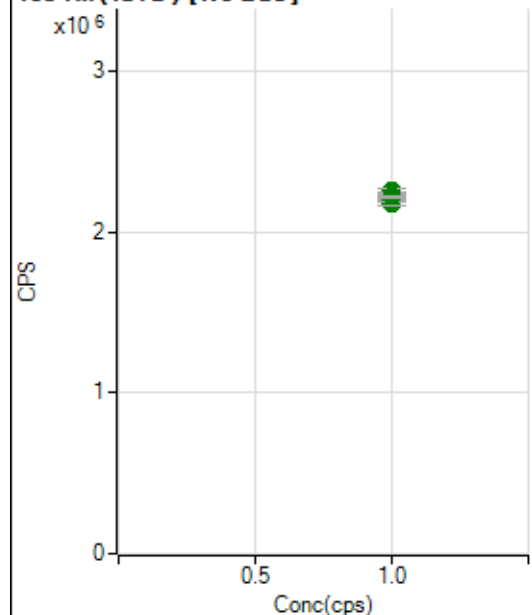
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 58981.68 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 59105.23 |       | P        | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 57796.55 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 58255.06 |       | P        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 58372.37 |       | P        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 59773.70 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 58674.65 |       | P        | 2.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 60716.26 |       | P        | 0.6 |

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

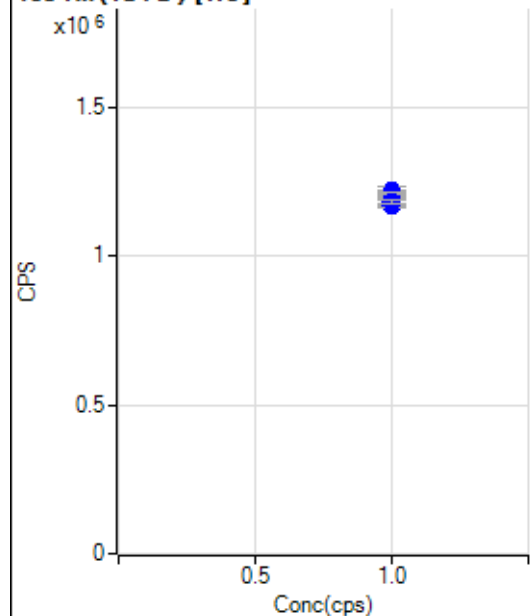
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3040387.87 |       | A        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3013928.08 |       | A        | 2.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2955293.77 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2995387.32 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3008038.78 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3108422.17 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3093721.20 |       | A        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3288738.49 |       | A        | 0.3 |

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

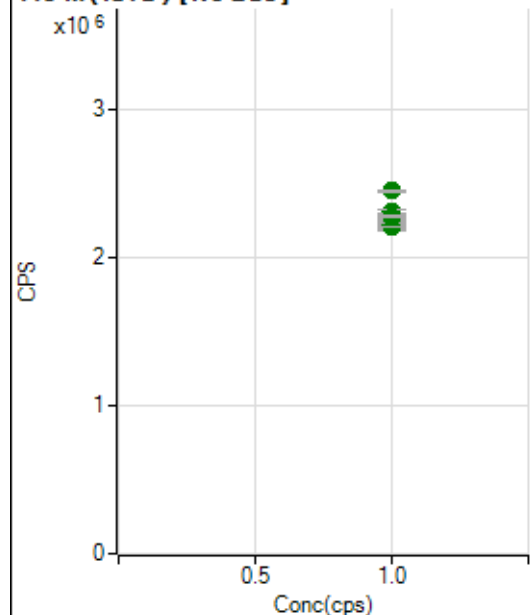
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 395361.10 |       | P        | 2.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 396835.51 |       | P        | 1.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 383060.72 |       | P        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 391634.24 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 391737.16 |       | P        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 400502.64 |       | P        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 391505.19 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 423509.29 |       | P        | 1.2 |

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

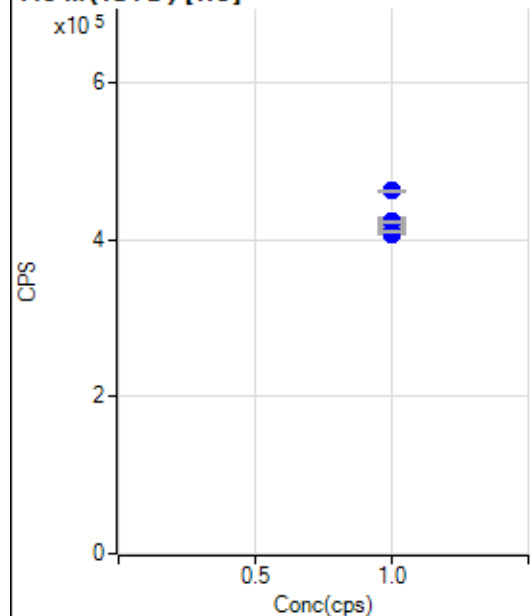
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2253015.44 |       | A        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2217223.27 |       | A        | 2.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2178708.21 |       | A        | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2201532.12 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2177882.65 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2255297.34 |       | A        | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2221817.82 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2219428.22 |       | A        | 0.7 |

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

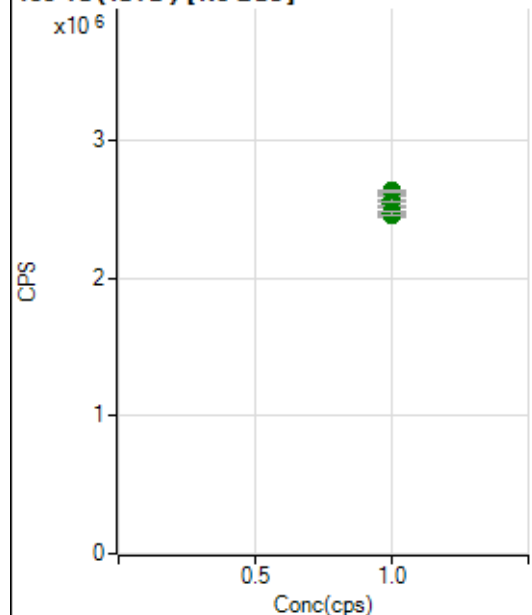
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1219928.37 |       | P        | 2.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1213302.82 |       | P        | 1.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1175018.45 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1199736.86 |       | P        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1192792.39 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1210889.46 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1171440.37 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1183516.93 |       | P        | 1.1 |

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

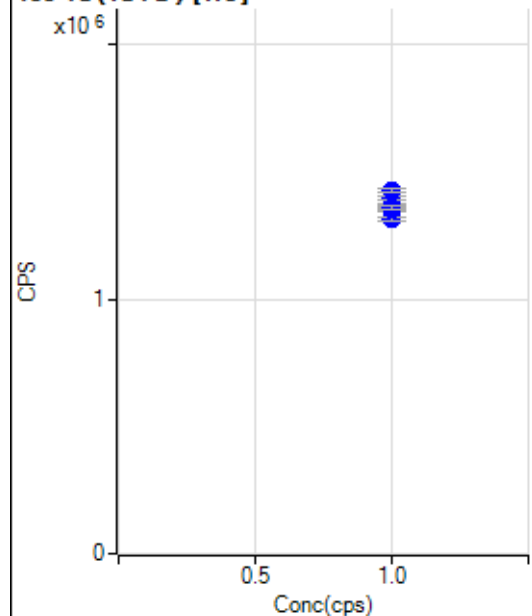
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2266507.09 |       | A        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2219962.78 |       | A        | 3.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2204041.29 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2234647.10 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2220530.43 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2311270.88 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2271630.64 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2448057.41 |       | A        | 0.6 |

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

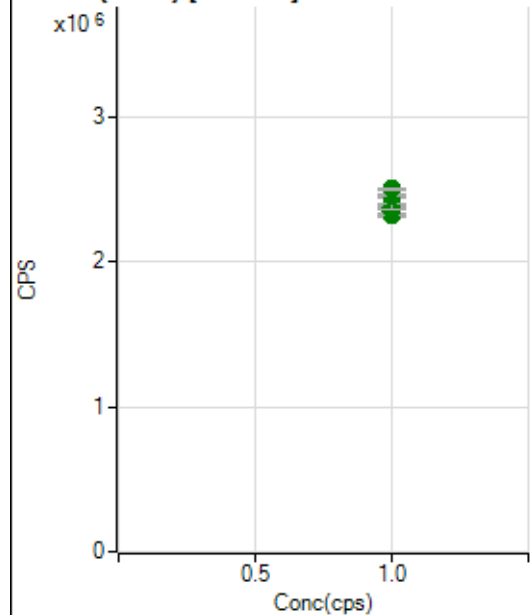
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 423687.62 |       | P        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 424414.80 |       | P        | 2.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 407075.75 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 415694.63 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 416555.05 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 423211.27 |       | P        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 410209.43 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 462501.99 |       | P        | 0.6 |

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

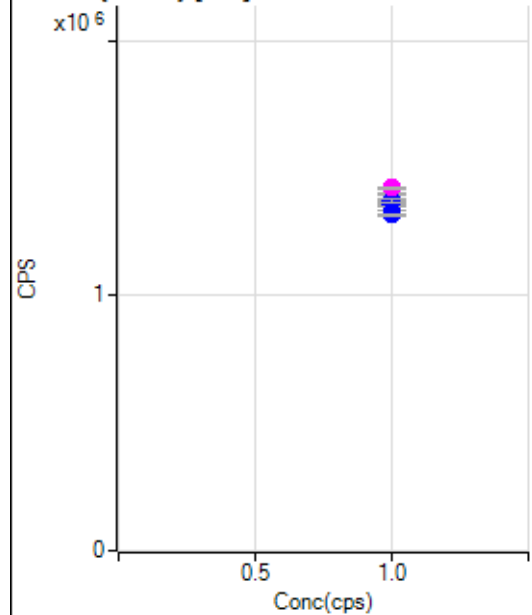
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2540953.66 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2478087.43 |       | A        | 2.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2452660.69 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2479466.98 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2473572.46 |       | A        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2598138.00 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2570611.84 |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2629933.68 |       | A        | 0.5 |

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

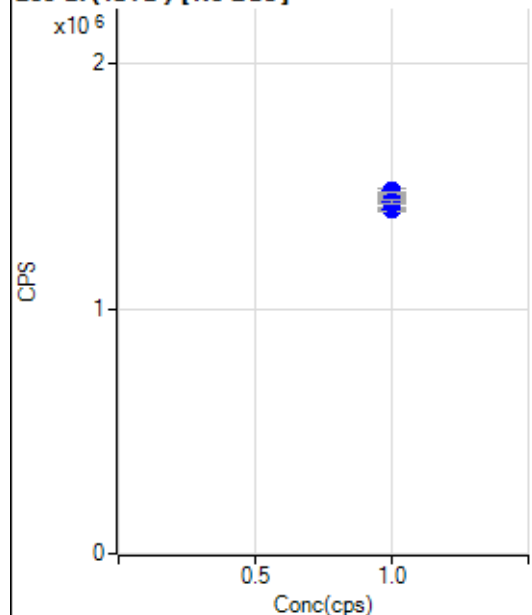
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1357366.54 |       | P        | 2.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1366460.61 |       | P        | 1.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1312048.42 |       | P        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1354684.63 |       | P        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1369074.81 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1397727.63 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1362501.79 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1425471.80 |       | P        | 1.2 |

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

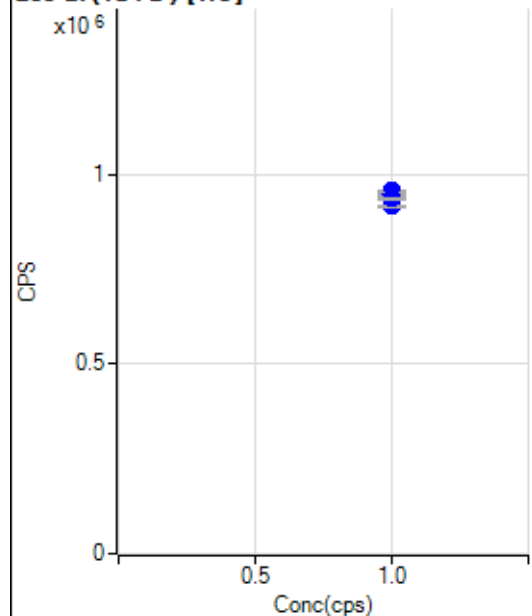
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2389037.05 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2343890.59 |       | A        | 2.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2327404.07 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2365974.97 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2375930.11 |       | A        | 1.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2453734.88 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2462608.69 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2502717.40 |       | A        | 0.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1352507.78 |       | P        | 2.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1367925.33 |       | P        | 1.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1317401.88 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1359863.86 |       | P        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1374149.93 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1399253.59 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1371513.19 |       | P        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1422541.42 |       | M        | 0.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1455758.42 |       | P        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1431766.11 |       | P        | 3.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1407856.83 |       | P        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1431138.64 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1445896.02 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1481562.35 |       | P        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1475220.01 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1435371.96 |       | P        | 0.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 941731.34 |       | P        | 2.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 949687.93 |       | P        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 916365.11 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 938621.44 |       | P        | 1.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 946636.49 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 956704.78 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 946119.89 |       | P        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 936522.75 |       | P        | 0.6 |

# US EPA Tune Check Report

Operator Name Jaswal  
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8030220-MS1.b  
Acq. Date-Time 3/2/2020 3:29:07 PM  
Report Comment ---  
Instrument Name G8403A SG19224459

[No Gas]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%   | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|--------|-----------------|
| 9    |              | 2989  | 29889.97  |                            |             | 0.945  | 5.000           |
| 24   |              | 29938 | 299378.85 |                            |             | 0.659  | 5.000           |
| 25   |              | 4156  | 41557.14  |                            |             | 0.785  | 5.000           |
| 26   |              | 4748  | 47482.34  |                            |             | 0.689  | 5.000           |
| 59   |              | 23300 | 232997.10 |                            |             | 0.924  | 5.000           |
| 113  |              | 1237  | 12367.36  |                            |             | 0.984  | 5.000           |
| 115  |              | 28578 | 285784.62 |                            |             | 0.793  | 5.000           |
| 206  |              | 5431  | 54312.05  |                            |             | 0.963  | 5.000           |
| 207  |              | 4863  | 48626.77  |                            |             | 0.719  | 5.000           |
| 208  |              | 11501 | 115009.34 |                            |             | 0.857  | 5.000           |
| 220  |              | 0     | 4.50      |                            |             | 47.141 |                 |

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

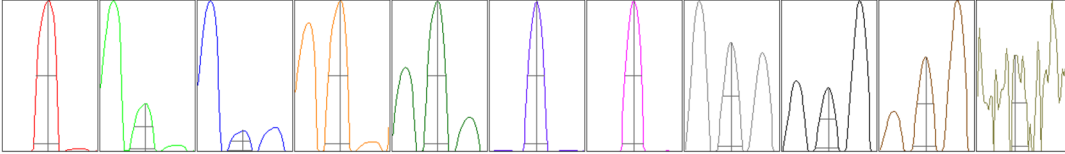
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 2973        | 3028        | 3009        | 2973        | 2962        |
| 24   | 29872       | 30170       | 30125       | 29749       | 29774       |
| 25   | 4151        | 4159        | 4207        | 4144        | 4118        |
| 26   | 4755        | 4801        | 4740        | 4719        | 4726        |
| 59   | 23054       | 23569       | 23458       | 23280       | 23136       |
| 113  | 1226        | 1250        | 1237        | 1247        | 1223        |
| 115  | 28607       | 28719       | 28700       | 28686       | 28180       |
| 206  | 5369        | 5509        | 5443        | 5432        | 5403        |
| 207  | 4839        | 4894        | 4856        | 4902        | 4821        |
| 208  | 11370       | 11612       | 11582       | 11491       | 11450       |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 4937.91     | 8.95   | 8.90 - 9.10     |             |
| 24   | 52700.78    | 23.95  | 23.90 - 24.10   |             |
| 25   | 7043.30     | 24.95  | 24.90 - 25.10   |             |
| 26   | 8255.52     | 25.95  | 25.90 - 26.10   |             |
| 59   | 41945.29    | 58.95  | 58.90 - 59.10   |             |
| 113  | 2509.15     | 113.00 | 112.90 - 113.10 |             |
| 115  | 57176.64    | 115.00 | 114.90 - 115.10 |             |
| 206  | 10811.63    | 206.00 | 205.90 - 206.10 |             |
| 207  | 9761.03     | 207.00 | 206.90 - 207.10 |             |
| 208  | 23092.06    | 208.00 | 207.90 - 208.10 |             |
| 220  | 0.70        | 219.75 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.64  | 0.787 | 0.900           |             |
| 24   | 0.61  | 0.789 | 0.900           |             |
| 25   | 0.62  | 0.777 | 0.900           |             |
| 26   | 0.62  | 0.788 | 0.900           |             |
| 59   | 0.58  | 0.780 | 0.900           |             |
| 113  | 0.52  | 0.729 | 0.900           |             |
| 115  | 0.52  | 0.688 | 0.900           |             |
| 206  | 0.52  | 0.771 | 0.900           |             |
| 207  | 0.51  | 0.740 | 0.900           |             |
| 208  | 0.51  | 0.734 | 0.900           |             |
| 220  | 0.47  | 0.542 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode HMI Nebulizer Gas 0.50 L/min Dilution Gas 0.45 L/min

# US EPA Tune Check Report

|              |         |                |          |               |            |
|--------------|---------|----------------|----------|---------------|------------|
| 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 | 10.0 mm | S/C Temp       | 2 °C     |               |            |

## Lens Parameters

|            |          |               |        |            |        |
|------------|----------|---------------|--------|------------|--------|
| Extract 1  | -6.0 V   | Omega Lens    | 11.1 V | Deflect    | 14.4 V |
| Extract 2  | -250.0 V | Cell Entrance | -30 V  | Plate Bias | -50 V  |
| Omega Bias | -120 V   | Cell Exit     | -50 V  |            |        |

## Cell Parameters

|         |            |              |        |                       |       |
|---------|------------|--------------|--------|-----------------------|-------|
| Use Gas | No         | 3rd Gas Flow | ---    | Energy Discrimination | 4.0 V |
| He Flow | 0.0 mL/min | OctP Bias    | -8.0 V |                       |       |
| H2 Flow | ---        | OctP RF      | 160 V  |                       |       |

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 0.9993 | QP Bias | -4.0 V |
| Mass Offset | 123 | Axis Offset | -0.05  |         |        |

## Hardware Settings

### Torch

|         |        |         |        |
|---------|--------|---------|--------|
| Torch H | 0.4 mm | Torch V | 0.1 mm |
|---------|--------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.9 mV | Analog HV | 2168 V | Pulse HV | 1119 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS      | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 5868  | 58678.63 |                            |             | 0.628 |                 |
| 89   |              | 9451  | 94505.46 |                            |             | 0.342 |                 |
| 205  |              | 5114  | 51138.71 |                            |             | 0.938 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 5906        | 5806        | 5880        | 5872        | 5876        |
| 89   | 9485        | 9427        | 9416        | 9440        | 9484        |
| 205  | 5196        | 5079        | 5084        | 5093        | 5117        |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |         |                |            |               |            |
|--------------|---------|----------------|------------|---------------|------------|
| Plasma Mode  | HMI     | Nebulizer Gas  | 0.50 L/min | Dilution Gas  | 0.45 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 | 10.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |        |            |        |         |       |
|-----------|--------|------------|--------|---------|-------|
| Extract 1 | -6.0 V | Omega Lens | 11.1 V | Deflect | 3.8 V |
|-----------|--------|------------|--------|---------|-------|

# US EPA Tune Check Report

|                          |            |               |         |                       |         |
|--------------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2                | -250.0 V   | Cell Entrance | -50 V   | Plate Bias            | -60 V   |
| Omega Bias               | -120 V     | Cell Exit     | -70 V   |                       |         |
| <b>Cell Parameters</b>   |            |               |         |                       |         |
| Use Gas                  | Yes        | 3rd Gas Flow  | ---     | Energy Discrimination | 5.0 V   |
| He Flow                  | 4.5 mL/min | OctP Bias     | -18.0 V |                       |         |
| H2 Flow                  | ---        | OctP RF       | 200 V   |                       |         |
| <b>QP Parameters</b>     |            |               |         |                       |         |
| Mass Gain                | 123        | Axis Gain     | 0.9993  | QP Bias               | -13.0 V |
| Mass Offset              | 123        | Axis Offset   | -0.05   |                       |         |
| <b>Hardware Settings</b> |            |               |         |                       |         |
| <b>Torch</b>             |            |               |         |                       |         |
| Torch H                  | 0.4 mm     | Torch V       | 0.1 mm  |                       |         |
| <b>EM</b>                |            |               |         |                       |         |
| Discriminator            | 3.9 mV     | Analog HV     | 2168 V  | Pulse HV              | 1119 V  |