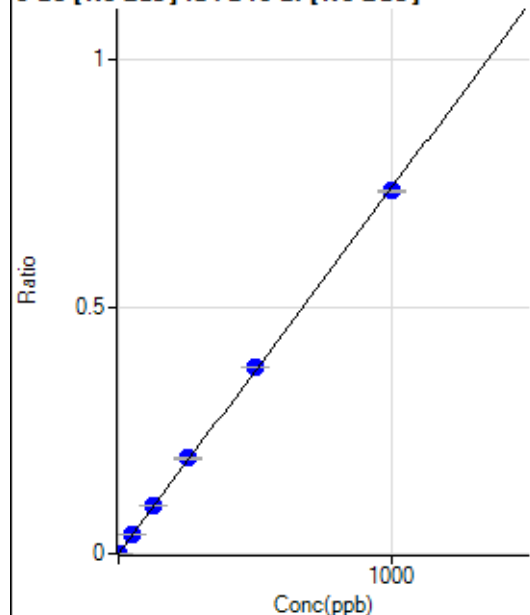


Batch Folder: C:\Agilent\ICPMH\1\DATA\P7061921MSS .b\  
Analysis File: P7061921MSS .batch.bin  
DA Date-Time: 2021-06-21 00:30:12  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2021-06-19 12:15:58 |
| 2     | 004CAL.S.d         | S02         | 2021-06-19 12:19:08 |
| 3     | 006CAL.S.d         | S03         | 2021-06-19 12:25:26 |
| 4     | 007CAL.S.d         | S04         | 2021-06-19 12:28:35 |
| 5     | 008CAL.S.d         | S05         | 2021-06-19 12:31:42 |
| 6     | 009CAL.S.d         | S06         | 2021-06-19 12:34:46 |
| 7     | 010CAL.S.d         | S07         | 2021-06-19 12:37:46 |
| 8     | 011CAL.S.d         | S08         | 2021-06-19 12:40:44 |

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 92.60      | 0.0001 | P   | 35.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.090      | 1518.62    | 0.0009 | P   | 6.4  |
| 3 | <input type="checkbox"/> | 50.000   | 52.315     | 68736.20   | 0.0388 | P   | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 130.406    | 169568.85  | 0.0966 | P   | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 260.279    | 333042.69  | 0.1928 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 500.000  | 509.594    | 627470.07  | 0.3773 | P   | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 991.842    | 1156334.63 | 0.7344 | P   | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 312.97     | 0.0002 | P   | 14.0 |

$$y = 7.4037\text{E-}004 * x + 5.2700\text{E-}005$$

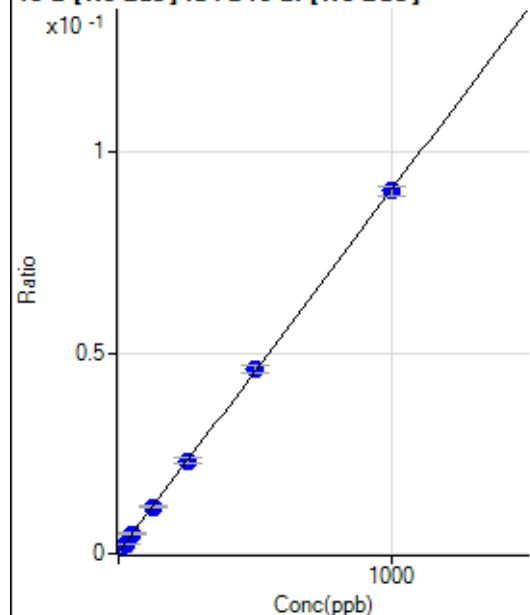
$$R = 0.9999$$

$$DL = 0.07641$$

$$BEC = 0.07118$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 669.47    | 0.0004 | P   | 9.5  |
| 2 | <input type="checkbox"/> | 25.000   | 24.061     | 4503.55   | 0.0026 | P   | 5.9  |
| 3 | <input type="checkbox"/> | 50.000   | 51.248     | 8866.69   | 0.0050 | P   | 3.8  |
| 4 | <input type="checkbox"/> | 125.000  | 125.603    | 20556.05  | 0.0117 | P   | 3.5  |
| 5 | <input type="checkbox"/> | 250.000  | 251.933    | 39908.74  | 0.0231 | P   | 6.1  |
| 6 | <input type="checkbox"/> | 500.000  | 503.750    | 76177.59  | 0.0458 | P   | 3.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.528    | 142253.69 | 0.0904 | P   | 2.6  |
| 8 | <input type="checkbox"/> |          |            | 5915.20   | 0.0038 | P   | 12.3 |

$$y = 9.0197\text{E-}005 * x + 3.8029\text{E-}004$$

$$R = 1.0000$$

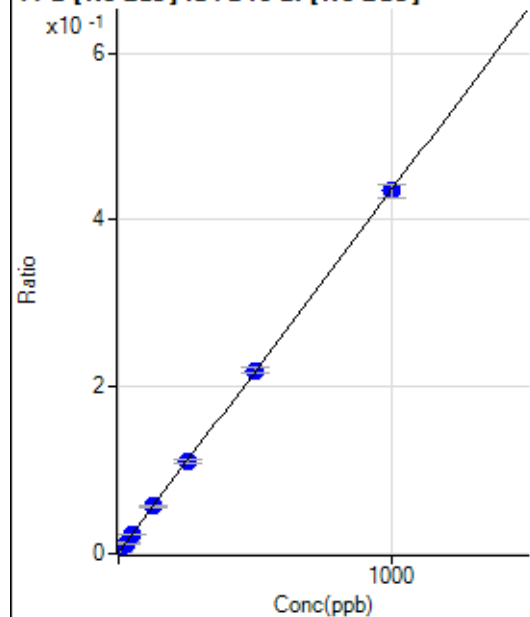
$$DL = 1.208$$

$$BEC = 4.216$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2969.82   | 0.0017 | P   | 4.9  |
| 2 | <input type="checkbox"/> | 25.000   | 25.178     | 22283.54  | 0.0126 | P   | 6.2  |
| 3 | <input type="checkbox"/> | 50.000   | 50.659     | 41972.69  | 0.0237 | P   | 2.8  |
| 4 | <input type="checkbox"/> | 125.000  | 126.731    | 99564.90  | 0.0567 | P   | 2.2  |
| 5 | <input type="checkbox"/> | 250.000  | 252.509    | 192334.12 | 0.1113 | P   | 3.8  |
| 6 | <input type="checkbox"/> | 500.000  | 502.797    | 365818.74 | 0.2200 | P   | 3.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.720    | 684717.80 | 0.4349 | P   | 3.6  |
| 8 | <input type="checkbox"/> |          |            | 29078.67  | 0.0188 | P   | 12.2 |

$$y = 4.3423E-004 * x + 0.0017$$

$$R = 1.0000$$

$$DL = 0.5676$$

$$BEC = 3.885$$

Weight: &lt;None&gt;

Min Conc: 0

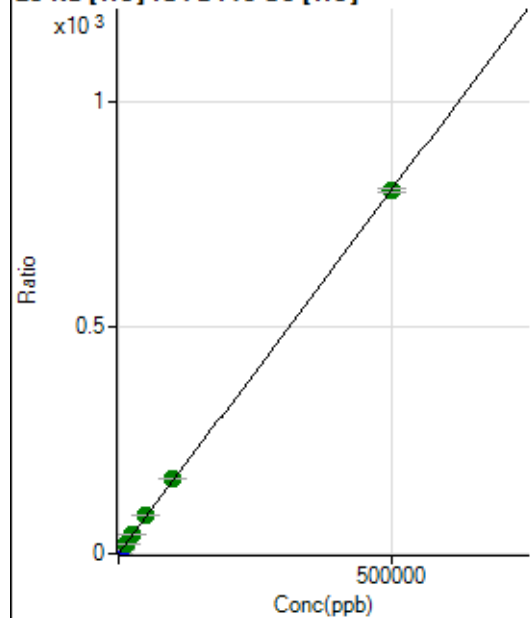
12 C [No Gas] No available calibration points



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

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

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

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 13133.80    | 0.0458   | P        | 1.5 |
| 2 | <input type="checkbox"/> | 500.000   | 548.095    | 265887.95   | 0.9261   | P        | 0.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5416.470   | 2451927.49  | 8.7460   | P        | 2.4 |
| 4 | <input type="checkbox"/> | 12500.000 | 13022.454  | 5869363.11  | 20.9631  | A        | 0.4 |
| 5 | <input type="checkbox"/> | 25000.000 | 25840.484  | 11293495.39 | 41.5520  | A        | 0.4 |
| 6 | <input type="checkbox"/> | 50000.000 | 52101.448  | 20869880.85 | 83.7336  | A        | 0.2 |
| 7 | <input type="checkbox"/> | 100000.00 | 103718.34  | 39787142.21 | 166.6431 | A        | 0.4 |
| 8 | <input type="checkbox"/> | 500000.00 | 498986.88  | 202327346.1 | 801.5421 | A        | 0.9 |

$$y = 0.0016 * x + 0.0458$$

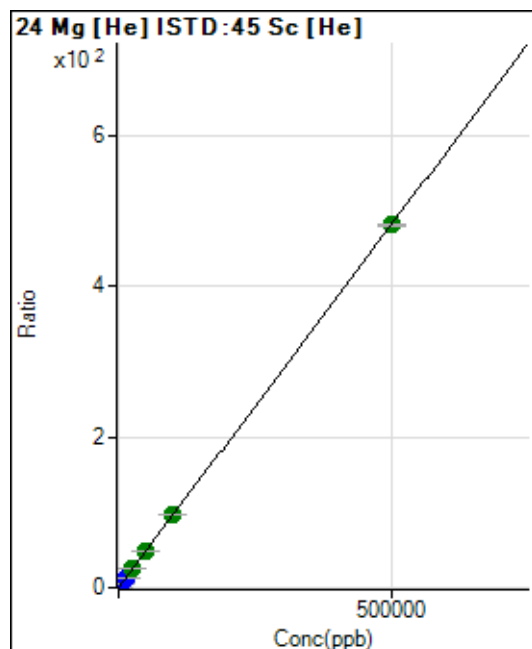
$$R = 1.0000$$

$$DL = 1.297$$

$$BEC = 28.49$$

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      | 494.46      | 0.0017   | P   | 1.5 |
| 2 | <input type="checkbox"/> | 500.000   | 534.797    | 148281.64   | 0.5165   | P   | 0.7 |
| 3 | <input type="checkbox"/> | 5000.000  | 5382.117   | 1452803.97  | 5.1824   | P   | 2.7 |
| 4 | <input type="checkbox"/> | 12500.000 | 13166.830  | 3549040.88  | 12.6757  | P   | 0.6 |
| 5 | <input type="checkbox"/> | 25000.000 | 25468.058  | 6663169.81  | 24.5166  | A   | 1.1 |
| 6 | <input type="checkbox"/> | 50000.000 | 51478.232  | 12350687.17 | 49.5532  | A   | 0.3 |
| 7 | <input type="checkbox"/> | 100000.00 | 100888.48  | 23186094.27 | 97.1141  | A   | 1.3 |
| 8 | <input type="checkbox"/> | 500000.00 | 499630.55  | 121397845.7 | 480.9319 | A   | 0.4 |

$$y = 9.6257\text{E-}004 * x + 0.0017$$

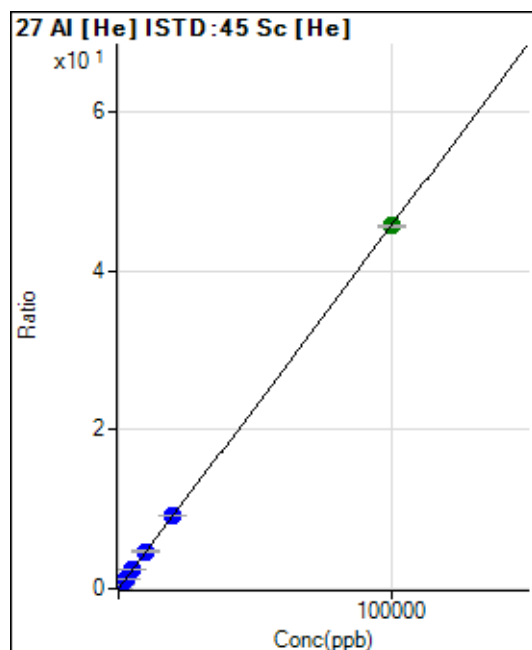
$$R = 1.0000$$

$$DL = 0.07994$$

$$BEC = 1.79$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 97.23       | 0.0003  | P   | 39.7 |
| 2 | <input type="checkbox"/> | 20.000    | 23.124     | 3133.75     | 0.0109  | P   | 1.8  |
| 3 | <input type="checkbox"/> | 1000.000  | 1068.956   | 137164.63   | 0.4893  | P   | 3.2  |
| 4 | <input type="checkbox"/> | 2500.000  | 2622.706   | 335995.18   | 1.2001  | P   | 0.2  |
| 5 | <input type="checkbox"/> | 5000.000  | 5174.528   | 643398.93   | 2.3673  | P   | 1.5  |
| 6 | <input type="checkbox"/> | 10000.000 | 10305.107  | 1174993.62  | 4.7143  | P   | 0.6  |
| 7 | <input type="checkbox"/> | 20000.000 | 20288.050  | 2215851.14  | 9.2808  | P   | 0.4  |
| 8 | <input type="checkbox"/> | 100000.00 | 99899.395  | 11535276.38 | 45.6978 | A   | 0.9  |

$$y = 4.5743\text{E-}004 * x + 3.3815\text{E-}004$$

$$R = 1.0000$$

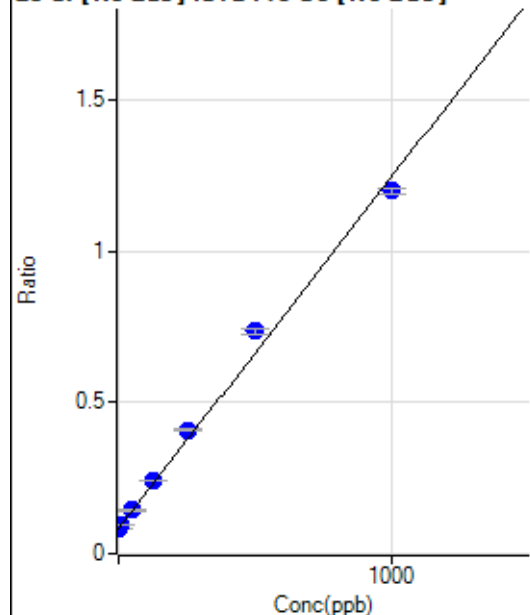
$$DL = 0.8806$$

$$BEC = 0.7392$$

Weight: <None>

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 296267.53  | 0.0829 | P   | 0.8 |
| 2 | <input type="checkbox"/> | 10.000   | 9.013      | 335027.47  | 0.0934 | P   | 0.5 |
| 3 | <input type="checkbox"/> | 50.000   | 52.470     | 519262.06  | 0.1439 | P   | 1.3 |
| 4 | <input type="checkbox"/> | 125.000  | 136.499    | 854526.51  | 0.2417 | P   | 2.5 |
| 5 | <input type="checkbox"/> | 250.000  | 280.555    | 1425867.45 | 0.4092 | P   | 2.6 |
| 6 | <input type="checkbox"/> | 500.000  | 560.926    | 2404450.66 | 0.7353 | P   | 2.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 960.347    | 3659400.82 | 1.1998 | P   | 1.5 |
| 8 | <input type="checkbox"/> |          |            | 345692.32  | 0.1142 | P   | 1.9 |

$$y = 0.0012 * x + 0.0829$$

$$R = 0.9965$$

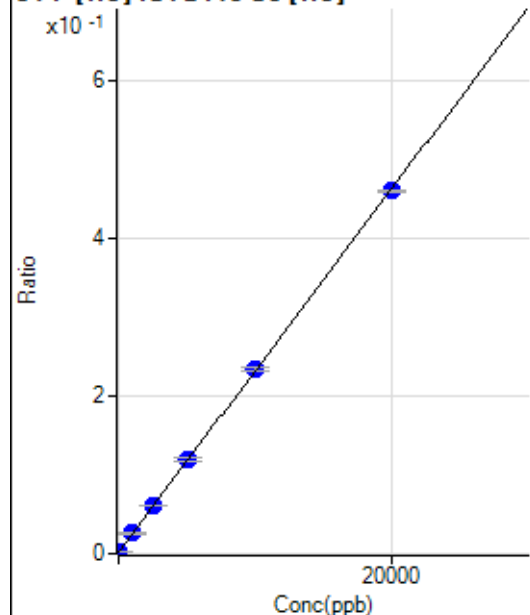
$$DL = 1.636$$

$$BEC = 71.3$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 2.528      | 497.25    | 0.0017 | P   | 7.6  |
| 2 | <input type="checkbox"/> | 0.000     | -2.528     | 463.91    | 0.0016 | P   | 3.1  |
| 3 | <input type="checkbox"/> | 1000.000  | 1041.951   | 7210.28   | 0.0257 | P   | 3.3  |
| 4 | <input type="checkbox"/> | 2500.000  | 2544.683   | 16912.77  | 0.0604 | P   | 1.0  |
| 5 | <input type="checkbox"/> | 5000.000  | 5113.616   | 32530.39  | 0.1197 | P   | 2.4  |
| 6 | <input type="checkbox"/> | 10000.000 | 10135.604  | 58718.53  | 0.2356 | P   | 2.1  |
| 7 | <input type="checkbox"/> | 20000.000 | 19896.111  | 110038.71 | 0.4609 | P   | 0.6  |
| 8 | <input type="checkbox"/> |           |            | 380.57    | 0.0015 | P   | 31.1 |

$$y = 2.3080E-005 * x + 0.0017$$

$$R = 0.9999$$

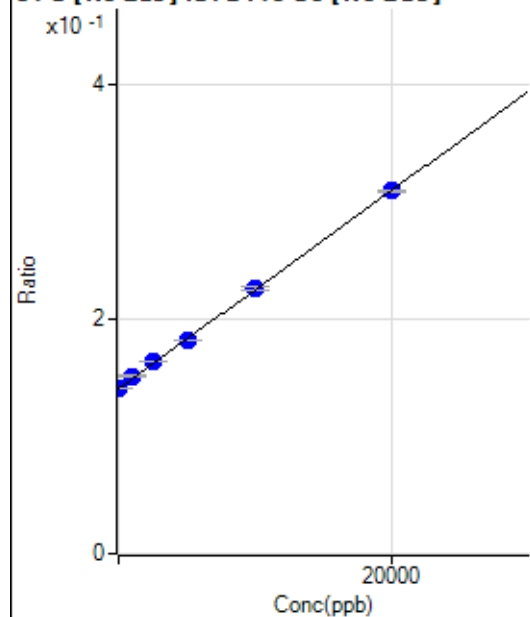
$$DL = 11.83$$

$$BEC = 72.55$$

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     | 7.101      | 502669.87 | 0.1407 | P   | 0.3 |
| 2 | <input type="checkbox"/> | 0.000     | -7.101     | 504214.88 | 0.1406 | P   | 0.5 |
| 3 | <input type="checkbox"/> | 1000.000  | 1282.272   | 546387.37 | 0.1515 | P   | 1.2 |
| 4 | <input type="checkbox"/> | 2500.000  | 2785.296   | 580563.11 | 0.1642 | P   | 0.3 |
| 5 | <input type="checkbox"/> | 5000.000  | 4915.584   | 634840.30 | 0.1822 | P   | 0.3 |
| 6 | <input type="checkbox"/> | 10000.000 | 10062.109  | 738114.80 | 0.2257 | P   | 1.6 |
| 7 | <input type="checkbox"/> | 20000.000 | 19940.274  | 943028.89 | 0.3092 | P   | 0.8 |
| 8 | <input type="checkbox"/> |           |            | 419209.99 | 0.1385 | P   | 0.2 |

$$y = 8.4516\text{E-}006 * x + 0.1406$$

$$R = 0.9998$$

$$DL = 204.9$$

$$BEC = 1.664\text{E}+04$$

Weight: &lt;None&gt;

Min Conc: 0

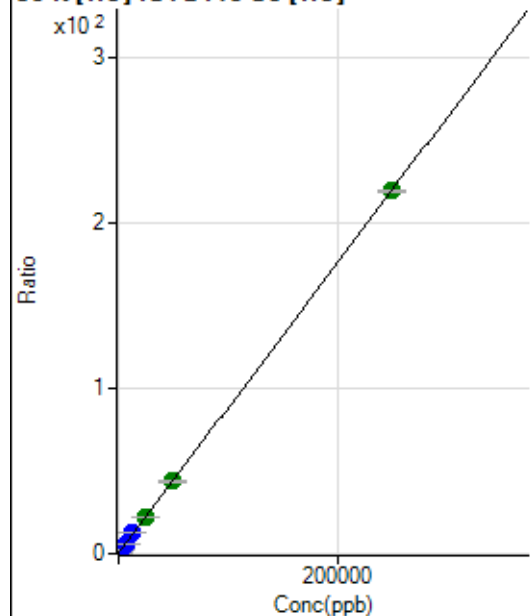
35 Cl [No Gas] No available calibration points



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

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

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

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det<br>. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 55615.52    | 0.1938   | P        | 2.8 |
| 2 | <input type="checkbox"/> | 500.000   | 559.801    | 196345.05   | 0.6839   | P        | 0.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2849.866   | 753810.96   | 2.6889   | P        | 2.6 |
| 4 | <input type="checkbox"/> | 6250.000  | 6930.935   | 1753250.32  | 6.2620   | P        | 0.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 13801.459  | 3336859.45  | 12.2773  | P        | 0.2 |
| 6 | <input type="checkbox"/> | 25000.000 | 25308.877  | 5571224.34  | 22.3524  | A        | 0.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 49653.600  | 10425671.24 | 43.6669  | A        | 0.6 |
| 8 | <input type="checkbox"/> | 250000.00 | 249952.67  | 55289334.57 | 219.0341 | A        | 0.6 |

$$y = 8.7553E-004 * x + 0.1938$$

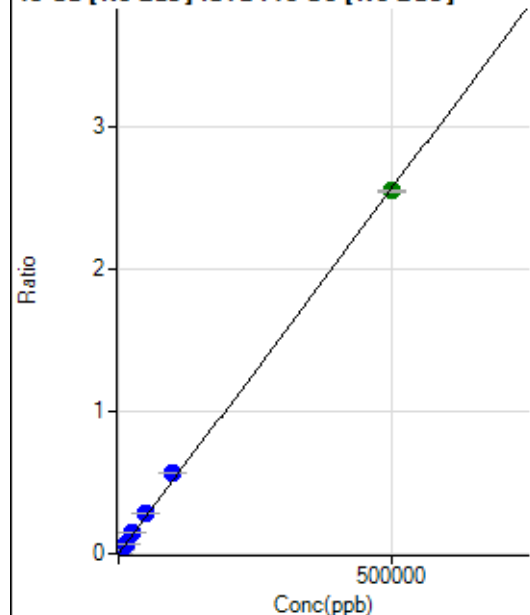
$$R = 1.0000$$

$$DL = 18.5$$

$$BEC = 221.3$$

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      | 130.56     | 0.0000 | P    | 30.3 |
| 2 | <input type="checkbox"/> | 500.000   | 552.008    | 10270.49   | 0.0029 | P    | 3.6  |
| 3 | <input type="checkbox"/> | 5000.000  | 5562.243   | 102877.61  | 0.0285 | P    | 0.4  |
| 4 | <input type="checkbox"/> | 12500.000 | 13980.640  | 253293.22  | 0.0716 | P    | 0.3  |
| 5 | <input type="checkbox"/> | 25000.000 | 27871.072  | 497465.56  | 0.1428 | P    | 0.2  |
| 6 | <input type="checkbox"/> | 50000.000 | 55796.538  | 934585.44  | 0.2858 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 100000.00 | 110247.87  | 1722109.82 | 0.5646 | P    | 0.2  |
| 8 | <input type="checkbox"/> | 500000.00 | 497184.52  | 7707548.00 | 2.5460 | A    | 0.3  |

$$y = 5.1209\text{E-}006 * x + 3.6556\text{E-}005$$

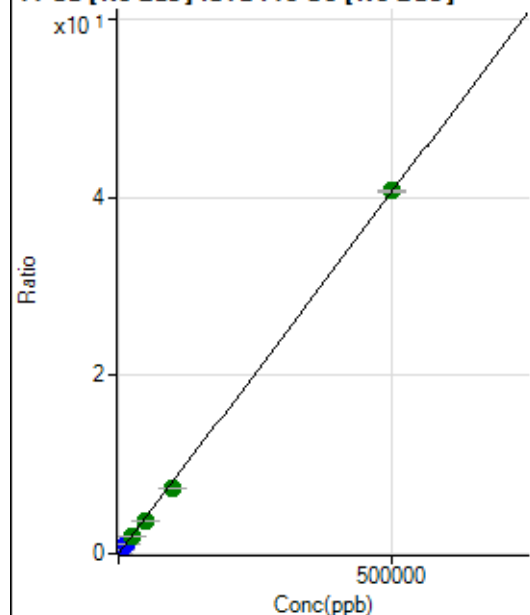
$$R = 0.9997$$

$$DL = 6.495$$

$$BEC = 7.139$$

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      | 8468.51     | 0.0024  | P    | 4.5 |
| 2 | <input type="checkbox"/> | 500.000   | 555.016    | 169898.88   | 0.0474  | P    | 1.4 |
| 3 | <input type="checkbox"/> | 5000.000  | 5003.441   | 1471767.93  | 0.4080  | P    | 1.5 |
| 4 | <input type="checkbox"/> | 12500.000 | 12505.330  | 3593525.10  | 1.0162  | P    | 0.2 |
| 5 | <input type="checkbox"/> | 25000.000 | 22821.405  | 6455549.34  | 1.8526  | A    | 0.4 |
| 6 | <input type="checkbox"/> | 50000.000 | 45684.267  | 12121098.21 | 3.7062  | A    | 0.8 |
| 7 | <input type="checkbox"/> | 100000.00 | 91121.268  | 22540769.37 | 7.3899  | A    | 0.4 |
| 8 | <input type="checkbox"/> | 500000.00 | 502316.02  | 123294456.4 | 40.7270 | A    | 0.8 |

$$y = 8.1074\text{E-}005 * x + 0.0024$$

$$R = 0.9998$$

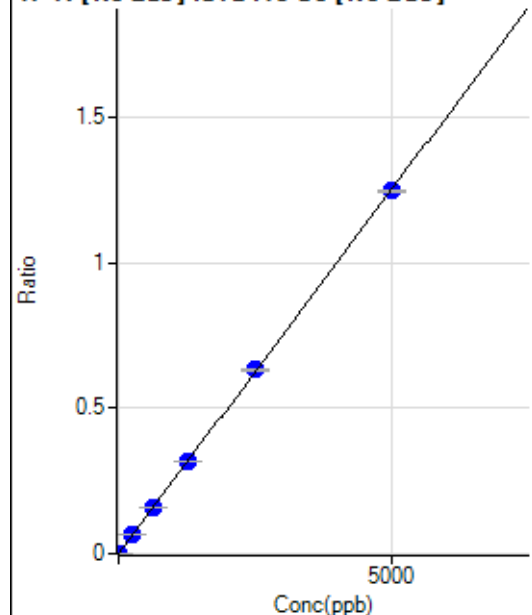
$$DL = 3.991$$

$$BEC = 29.24$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 86.12      | 0.0000 | P   | 44.8 |
| 2 | <input type="checkbox"/> | 5.000    | 5.194      | 4748.09    | 0.0013 | P   | 4.6  |
| 3 | <input type="checkbox"/> | 250.000  | 251.814    | 227382.59  | 0.0630 | P   | 0.7  |
| 4 | <input type="checkbox"/> | 625.000  | 635.348    | 562264.49  | 0.1590 | P   | 0.7  |
| 5 | <input type="checkbox"/> | 1250.000 | 1268.118   | 1105842.87 | 0.3173 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2522.659   | 2064552.58 | 0.6313 | P   | 0.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4982.757   | 3803062.54 | 1.2469 | P   | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 816.71     | 0.0003 | P   | 6.5  |

$$y = 2.5023\text{E-}004 * x + 2.4117\text{E-}005$$

$$R = 1.0000$$

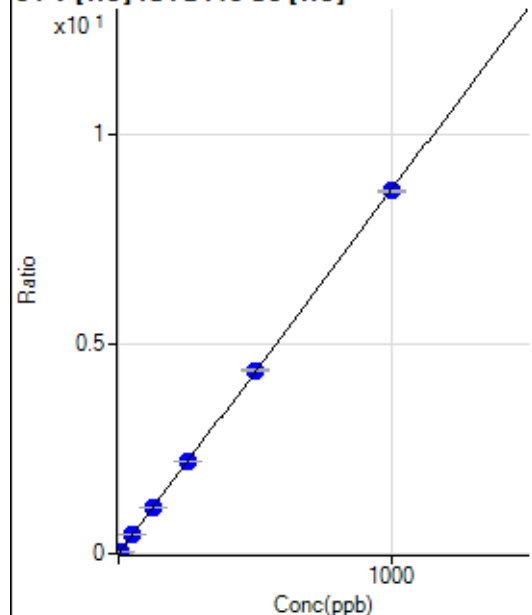
$$DL = 0.1296$$

$$BEC = 0.09638$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 18.89      | 0.0001 | P   | 9.9 |
| 2 | <input type="checkbox"/> | 5.000    | 5.270      | 13161.54   | 0.0458 | P   | 2.3 |
| 3 | <input type="checkbox"/> | 50.000   | 52.145     | 126985.47  | 0.4530 | P   | 3.5 |
| 4 | <input type="checkbox"/> | 125.000  | 126.741    | 308270.89  | 1.1010 | P   | 0.4 |
| 5 | <input type="checkbox"/> | 250.000  | 252.675    | 596573.84  | 2.1950 | P   | 1.0 |
| 6 | <input type="checkbox"/> | 500.000  | 503.857    | 1090927.68 | 4.3770 | P   | 0.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 997.077    | 2067979.26 | 8.6614 | P   | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 446.68     | 0.0018 | P   | 3.0 |

$$y = 0.0087 * x + 6.5809\text{E-}005$$

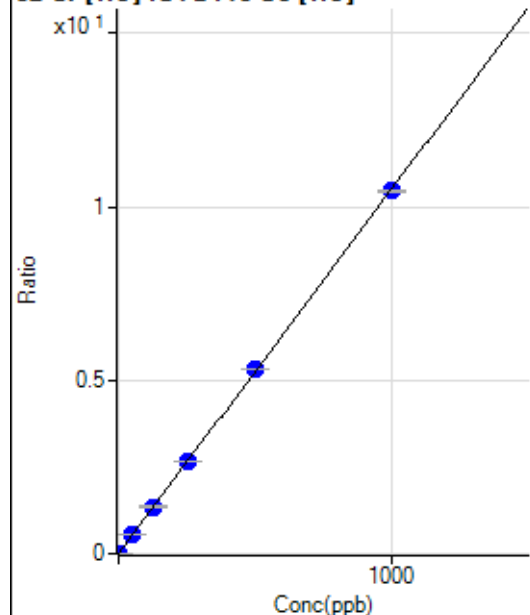
$$R = 1.0000$$

$$DL = 0.002239$$

$$BEC = 0.007576$$

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      | 1415.64    | 0.0049  | P   | 1.9 |
| 2 | <input type="checkbox"/> | 2.000    | 2.145      | 7882.17    | 0.0275  | P   | 1.0 |
| 3 | <input type="checkbox"/> | 50.000   | 52.181     | 154992.83  | 0.5529  | P   | 2.7 |
| 4 | <input type="checkbox"/> | 125.000  | 128.517    | 379235.78  | 1.3545  | P   | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 254.017    | 726310.52  | 2.6723  | P   | 0.4 |
| 6 | <input type="checkbox"/> | 500.000  | 505.431    | 1324076.36 | 5.3124  | P   | 0.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 995.731    | 2497625.78 | 10.4610 | P   | 0.6 |
| 8 | <input type="checkbox"/> |          |            | 6180.24    | 0.0245  | P   | 1.8 |

$$y = 0.0105 * x + 0.0049$$

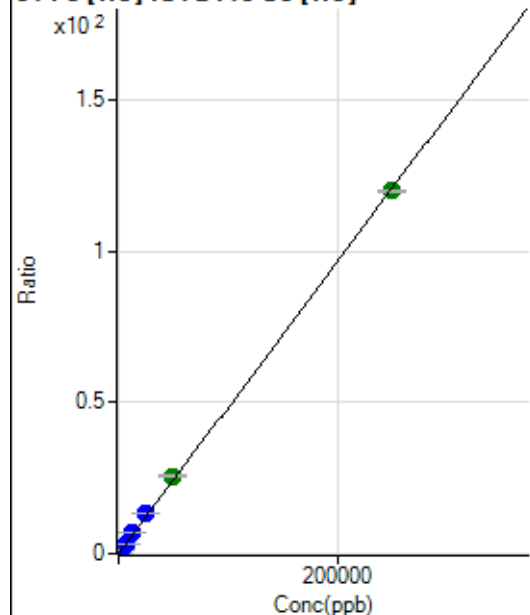
$$R = 1.0000$$

$$DL = 0.0271$$

$$BEC = 0.4698$$

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      | 1231.32     | 0.0043   | P   | 7.6 |
| 2 | <input type="checkbox"/> | 50.000    | 58.350     | 9292.46     | 0.0324   | P   | 2.9 |
| 3 | <input type="checkbox"/> | 2500.000  | 2901.019   | 392600.43   | 1.4004   | P   | 2.4 |
| 4 | <input type="checkbox"/> | 6250.000  | 7115.096   | 959888.37   | 3.4284   | P   | 0.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 14043.468  | 1837996.01  | 6.7626   | P   | 0.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 28007.971  | 3360533.93  | 13.4829  | P   | 0.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 53365.651  | 6132752.85  | 25.6860  | A   | 0.7 |
| 8 | <input type="checkbox"/> | 250000.00 | 248923.26  | 30239178.74 | 119.7964 | A   | 0.5 |

$$y = 4.8124E-004 * x + 0.0043$$

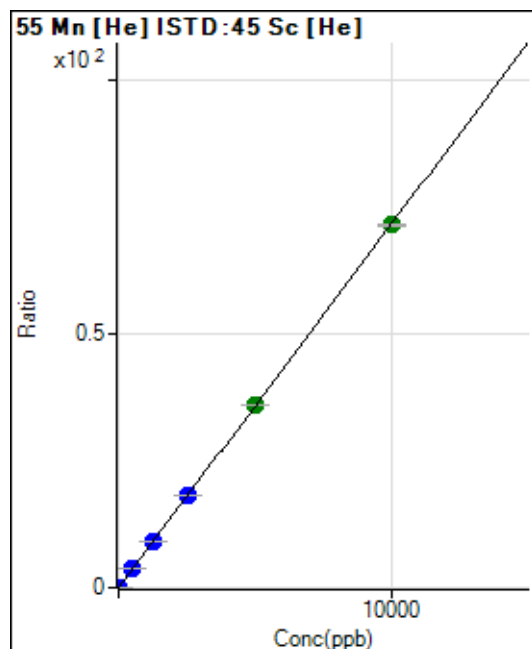
$$R = 0.9999$$

$$DL = 2.045$$

$$BEC = 8.915$$

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      | 120.00      | 0.0004  | P   | 37.7 |
| 2 | <input type="checkbox"/> | 1.000     | 1.043      | 2267.98     | 0.0079  | P   | 8.8  |
| 3 | <input type="checkbox"/> | 500.000   | 527.003    | 1059049.52  | 3.7781  | P   | 3.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1286.740   | 2582605.94  | 9.2241  | P   | 0.1  |
| 5 | <input type="checkbox"/> | 2500.000  | 2546.080   | 4960516.39  | 18.2513 | P   | 0.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 5015.169   | 8960553.41  | 35.9503 | A   | 0.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 9974.953   | 17071754.89 | 71.5033 | A   | 0.7  |
| 8 | <input type="checkbox"/> |           |            | 9110.65     | 0.0361  | P   | 0.0  |

$$y = 0.0072 * x + 4.1835E-004$$

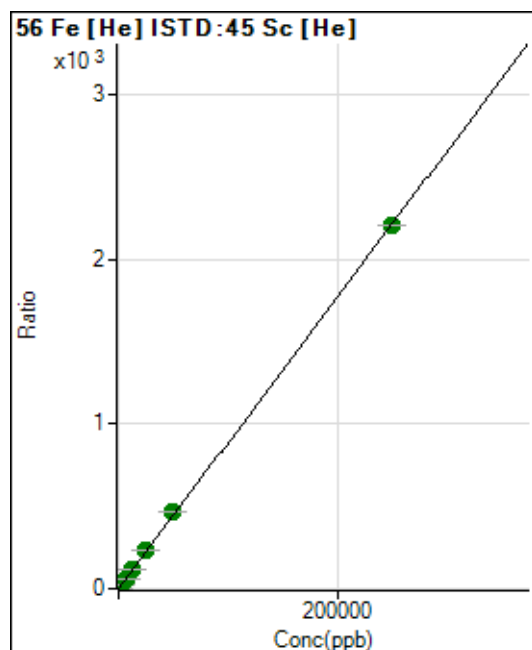
$$R = 1.0000$$

$$DL = 0.06596$$

$$BEC = 0.05836$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 7527.97     | 0.0262    | P   | 0.4 |
| 2 | <input type="checkbox"/> | 50.000    | 57.588     | 153449.35   | 0.5345    | P   | 1.9 |
| 3 | <input type="checkbox"/> | 2500.000  | 2699.138   | 6685513.34  | 23.8502   | A   | 3.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6635.380   | 16405113.79 | 58.5936   | A   | 1.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 13204.256  | 31683457.42 | 116.5739  | A   | 0.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 26554.805  | 58424611.95 | 234.4128  | A   | 0.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 52549.951  | 110748811.7 | 463.8595  | A   | 0.6 |
| 8 | <input type="checkbox"/> | 250000.00 | 249287.68  | 555418479.0 | 2,200.369 | A   | 0.1 |

$$y = 0.0088 * x + 0.0262$$

$$R = 0.9999$$

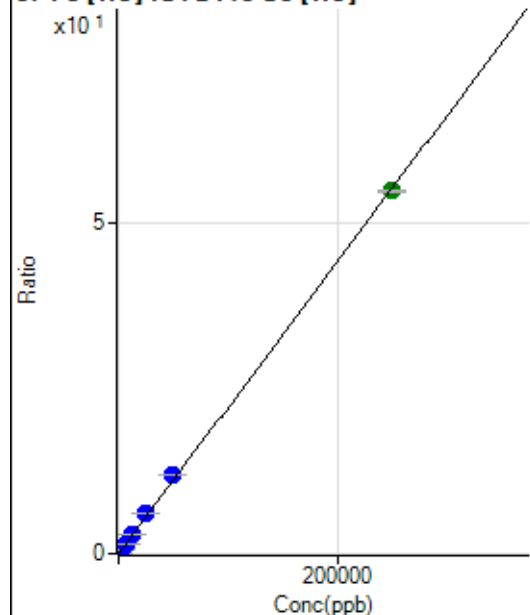
$$DL = 0.03491$$

$$BEC = 2.972$$

Weight: <None>

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 188.89      | 0.0007  | P    | 26.2 |
| 2 | <input type="checkbox"/> | 50.000    | 59.073     | 3933.93     | 0.0137  | P    | 1.4  |
| 3 | <input type="checkbox"/> | 2500.000  | 2811.039   | 174186.92   | 0.6214  | P    | 3.5  |
| 4 | <input type="checkbox"/> | 6250.000  | 6901.174   | 426886.14   | 1.5247  | P    | 0.8  |
| 5 | <input type="checkbox"/> | 12500.000 | 13732.123  | 824385.71   | 3.0332  | P    | 0.3  |
| 6 | <input type="checkbox"/> | 25000.000 | 27346.646  | 1505363.31  | 6.0398  | P    | 0.4  |
| 7 | <input type="checkbox"/> | 50000.000 | 54031.905  | 2849009.90  | 11.9328 | P    | 0.7  |
| 8 | <input type="checkbox"/> | 250000.00 | 248877.95  | 13873274.27 | 54.9616 | A    | 0.7  |

$$y = 2.2084\text{E-}004 * x + 6.5742\text{E-}004$$

$$R = 0.9998$$

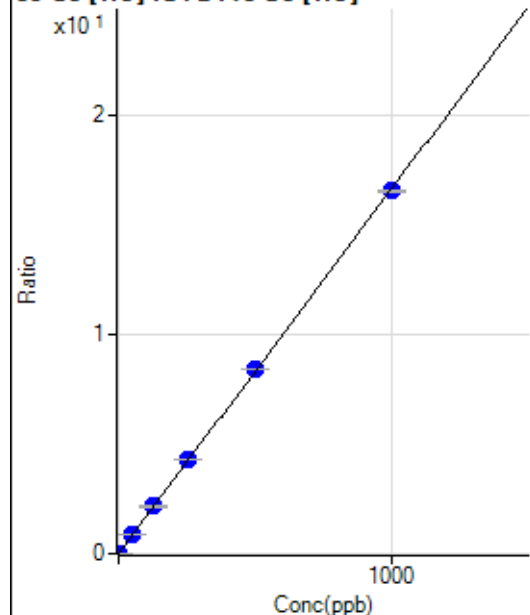
$$DL = 2.341$$

$$BEC = 2.977$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 170.01     | 0.0006  | P    | 17.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.059      | 5220.97    | 0.0182  | P    | 2.7  |
| 3 | <input type="checkbox"/> | 50.000   | 53.154     | 247709.53  | 0.8837  | P    | 3.0  |
| 4 | <input type="checkbox"/> | 125.000  | 129.244    | 601340.85  | 2.1478  | P    | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 256.355    | 1157690.20 | 4.2595  | P    | 0.3  |
| 6 | <input type="checkbox"/> | 500.000  | 505.719    | 2094216.26 | 8.4023  | P    | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 994.863    | 3946342.65 | 16.5287 | P    | 0.4  |
| 8 | <input type="checkbox"/> |          |            | 6086.87    | 0.0241  | P    | 0.8  |

$$y = 0.0166 * x + 5.9267\text{E-}004$$

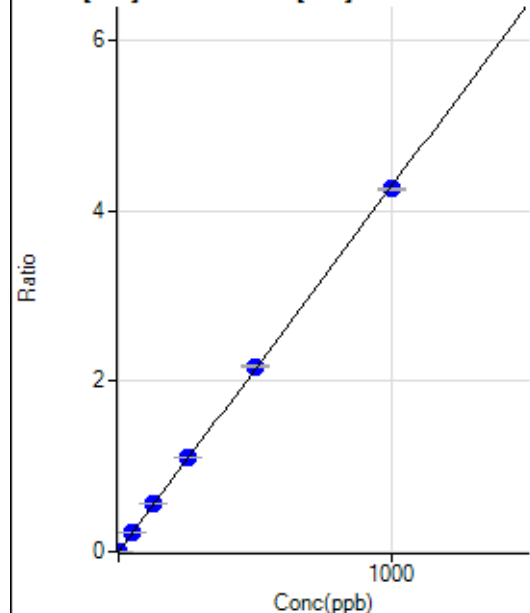
$$R = 1.0000$$

$$DL = 0.01862$$

$$BEC = 0.03567$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 202.23     | 0.0007 | P   | 7.7 |
| 2 | <input type="checkbox"/> | 1.000    | 1.109      | 1567.88    | 0.0055 | P   | 3.4 |
| 3 | <input type="checkbox"/> | 50.000   | 53.457     | 64470.67   | 0.2300 | P   | 2.7 |
| 4 | <input type="checkbox"/> | 125.000  | 130.670    | 157106.28  | 0.5611 | P   | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 258.509    | 301522.15  | 1.1094 | P   | 0.2 |
| 6 | <input type="checkbox"/> | 500.000  | 507.548    | 542715.33  | 2.1775 | P   | 1.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 993.217    | 1017197.17 | 4.2604 | P   | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 1800.13    | 0.0071 | P   | 2.4 |

$$y = 0.0043 * x + 7.0454E-004$$

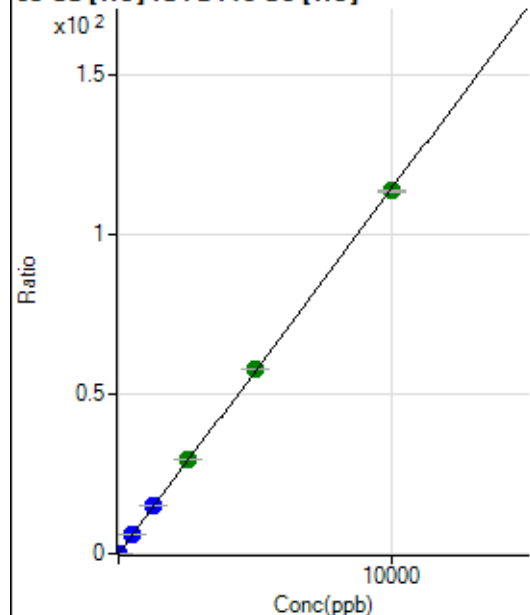
$$R = 0.9999$$

$$DL = 0.03818$$

$$BEC = 0.1643$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1240.07     | 0.0043   | P   | 7.2 |
| 2 | <input type="checkbox"/> | 2.000     | 2.081      | 8066.74     | 0.0281   | P   | 1.3 |
| 3 | <input type="checkbox"/> | 500.000   | 534.679    | 1714201.64  | 6.1149   | P   | 2.8 |
| 4 | <input type="checkbox"/> | 1250.000  | 1298.643   | 4156614.59  | 14.8459  | P   | 0.4 |
| 5 | <input type="checkbox"/> | 2500.000  | 2572.369   | 7991353.70  | 29.4027  | A   | 0.2 |
| 6 | <input type="checkbox"/> | 5000.000  | 5059.544   | 14413126.87 | 57.8275  | A   | 0.4 |
| 7 | <input type="checkbox"/> | 10000.000 | 9944.321   | 27135213.21 | 113.6533 | A   | 0.7 |
| 8 | <input type="checkbox"/> |           |            | 7094.01     | 0.0281   | P   | 2.2 |

$$y = 0.0114 * x + 0.0043$$

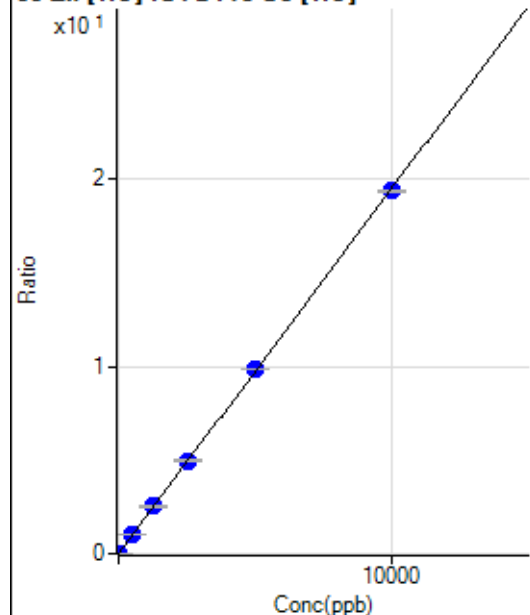
$$R = 0.9999$$

$$DL = 0.08159$$

$$BEC = 0.378$$

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      | 267.13     | 0.0009  | P   | 14.4 |
| 2 | <input type="checkbox"/> | 2.000     | 2.107      | 1445.70    | 0.0050  | P   | 4.5  |
| 3 | <input type="checkbox"/> | 500.000   | 524.426    | 286683.87  | 1.0226  | P   | 2.2  |
| 4 | <input type="checkbox"/> | 1250.000  | 1292.885   | 705453.50  | 2.5196  | P   | 1.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2554.370   | 1352711.67 | 4.9770  | P   | 0.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 5072.277   | 2463024.34 | 9.8821  | P   | 0.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 9943.687   | 4625170.93 | 19.3720 | P   | 0.6  |
| 8 | <input type="checkbox"/> |           |            | 6986.99    | 0.0277  | P   | 1.7  |

$$y = 0.0019 * x + 9.3020E-004$$

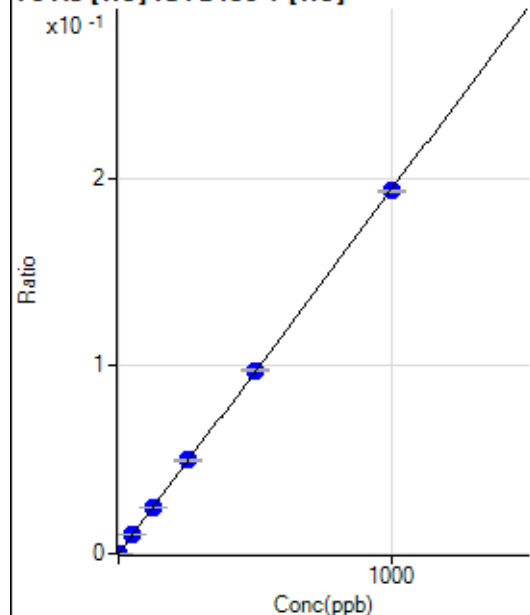
$$R = 0.9999$$

$$DL = 0.2058$$

$$BEC = 0.4775$$

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      | 5.56      | 0.0000 | P   | 33.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.040      | 363.58    | 0.0002 | P   | 3.6  |
| 3 | <input type="checkbox"/> | 50.000   | 52.974     | 17926.50  | 0.0103 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 128.082    | 43687.39  | 0.0249 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 256.704    | 84692.35  | 0.0499 | P   | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 503.465    | 154896.69 | 0.0978 | P   | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.058    | 296498.12 | 0.1934 | P   | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 119.76    | 0.0001 | P   | 4.0  |

$$y = 1.9420E-004 * x + 3.1349E-006$$

$$R = 1.0000$$

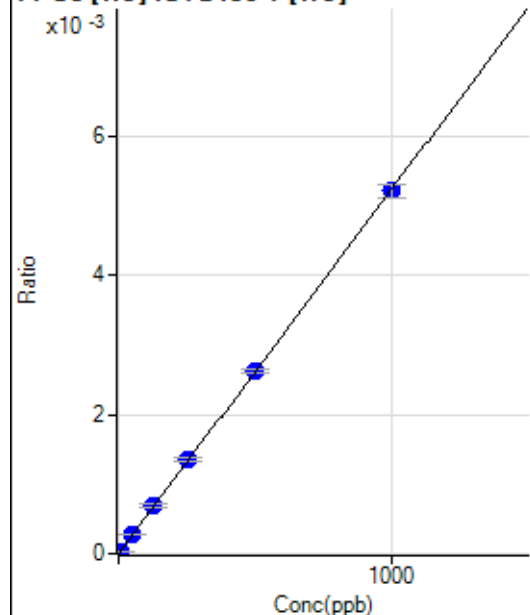
$$DL = 0.01621$$

$$BEC = 0.01614$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00    | 0.0000 | P   |      |
| 2 | <input type="checkbox"/> | 5.000    | 6.471      | 60.00   | 0.0000 | P   | 9.8  |
| 3 | <input type="checkbox"/> | 50.000   | 53.049     | 483.35  | 0.0003 | P   | 4.9  |
| 4 | <input type="checkbox"/> | 125.000  | 132.315    | 1215.62 | 0.0007 | P   | 7.8  |
| 5 | <input type="checkbox"/> | 250.000  | 258.381    | 2295.76 | 0.0014 | P   | 2.3  |
| 6 | <input type="checkbox"/> | 500.000  | 501.775    | 4157.31 | 0.0026 | P   | 1.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.943    | 7983.38 | 0.0052 | P   | 4.0  |
| 8 | <input type="checkbox"/> |          |            | 1.11    | 0.0000 | P   | 173. |

$$y = 5.2301\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 1.0000$$

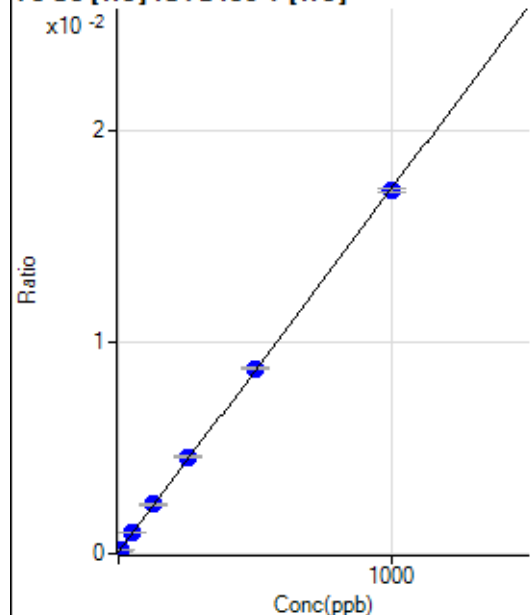
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 132.10   | 0.0001 | P   | 13.3 |
| 2 | <input type="checkbox"/> | 5.000    | 5.597      | 303.09   | 0.0002 | P   | 3.9  |
| 3 | <input type="checkbox"/> | 50.000   | 52.004     | 1689.61  | 0.0010 | P   | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 130.609    | 4079.60  | 0.0023 | P   | 4.4  |
| 5 | <input type="checkbox"/> | 250.000  | 260.932    | 7758.89  | 0.0046 | P   | 2.0  |
| 6 | <input type="checkbox"/> | 500.000  | 505.128    | 13896.80 | 0.0088 | P   | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.899    | 26345.44 | 0.0172 | P   | 1.2  |
| 8 | <input type="checkbox"/> |          |            | 110.49   | 0.0001 | P   | 10.7 |

$$y = 1.7219\text{E-}005 * x + 7.4542\text{E-}005$$

$$R = 0.9999$$

$$DL = 1.728$$

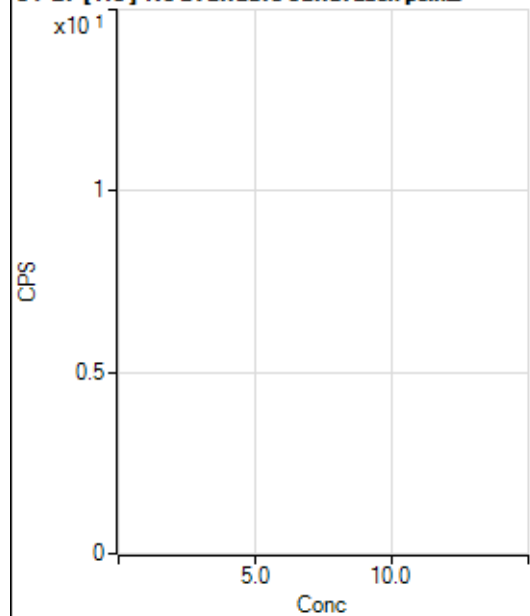
$$BEC = 4.329$$

Weight: &lt;None&gt;

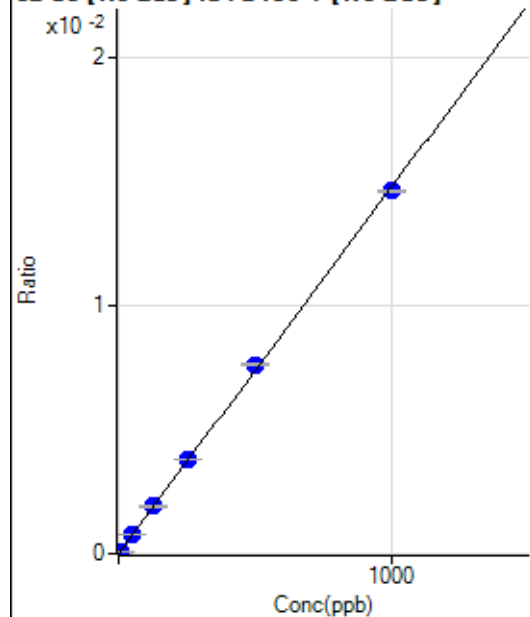
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|---------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 6382.14 |       | P        | 4.6 |
| 2 | <input type="checkbox"/> |       |            | 5940.27 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> |       |            | 6112.58 |       | P        | 2.9 |
| 4 | <input type="checkbox"/> |       |            | 5826.34 |       | P        | 1.9 |
| 5 | <input type="checkbox"/> |       |            | 5784.66 |       | P        | 1.7 |
| 6 | <input type="checkbox"/> |       |            | 5567.88 |       | P        | 2.3 |
| 7 | <input type="checkbox"/> |       |            | 4942.64 |       | P        | 0.2 |
| 8 | <input type="checkbox"/> |       |            | 4461.95 |       | P        | 3.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 103.44 |       | P        | 39.1 |
| 2 | <input type="checkbox"/> |       |            | 56.72  |       | P        | 10.2 |
| 3 | <input type="checkbox"/> |       |            | 60.06  |       | P        | 16.7 |
| 4 | <input type="checkbox"/> |       |            | 43.38  |       | P        | 53.3 |
| 5 | <input type="checkbox"/> |       |            | 33.37  |       | P        | 45.8 |
| 6 | <input type="checkbox"/> |       |            | 50.05  |       | P        | 20.0 |
| 7 | <input type="checkbox"/> |       |            | 66.73  |       | P        | 17.3 |
| 8 | <input type="checkbox"/> |       |            | 90.09  |       | P        | 11.1 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 15.43    | 0.0000 | P   | 449. |
| 2 | <input type="checkbox"/> | 5.000    | 5.244      | 590.47   | 0.0001 | P   | 21.5 |
| 3 | <input type="checkbox"/> | 50.000   | 51.288     | 5674.28  | 0.0008 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 129.008    | 14047.66 | 0.0019 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 257.058    | 27994.20 | 0.0038 | P   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 515.580    | 53131.17 | 0.0076 | P   | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 989.879    | 97899.87 | 0.0146 | P   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 30.41    | 0.0000 | P   | 228. |

$$y = 1.4755E-005 * x + 2.1231E-006$$

$$R = 0.9998$$

$$DL = 1.94$$

$$BEC = 0.1439$$

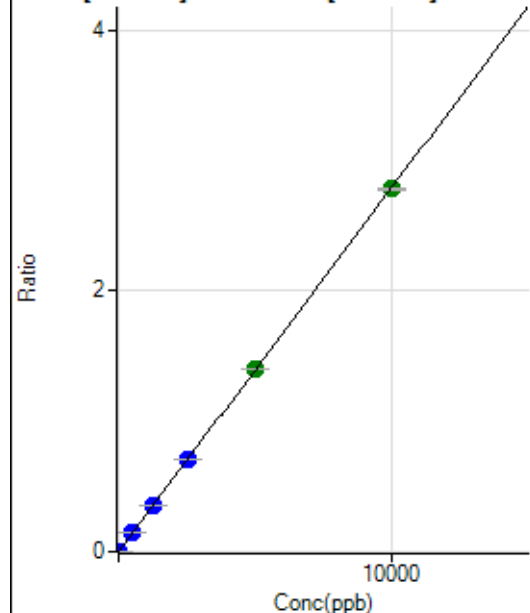
Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det | RSD  |
|---|--------------------------|-------|------------|---------|-------|-----|------|
| 1 | <input type="checkbox"/> |       |            | 1205.62 |       | P   | 2.2  |
| 2 | <input type="checkbox"/> |       |            | 1187.84 |       | P   | 5.0  |
| 3 | <input type="checkbox"/> |       |            | 1246.73 |       | P   | 3.7  |
| 4 | <input type="checkbox"/> |       |            | 1231.17 |       | P   | 0.2  |
| 5 | <input type="checkbox"/> |       |            | 1163.39 |       | P   | 2.5  |
| 6 | <input type="checkbox"/> |       |            | 1096.72 |       | P   | 9.5  |
| 7 | <input type="checkbox"/> |       |            | 1013.38 |       | P   | 0.3  |
| 8 | <input type="checkbox"/> |       |            | 1003.38 |       | P   | 10.9 |

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 2072.44     | 0.0003 | P    | 11.4 |
| 2 | <input type="checkbox"/> | 1.000     | 1.004      | 4159.05     | 0.0006 | P    | 2.7  |
| 3 | <input type="checkbox"/> | 500.000   | 516.159    | 1078952.49  | 0.1443 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 1250.000  | 1286.578   | 2648335.00  | 0.3593 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 2500.000  | 2527.009   | 5203358.10  | 0.7054 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 5026.593   | 9794535.98  | 1.4028 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 9974.571   | 18653866.22 | 2.7835 | A    | 0.8  |
| 8 | <input type="checkbox"/> |           |            | 7724.52     | 0.0012 | P    | 4.6  |

$$y = 2.7903\text{E-}004 * x + 2.8038\text{E-}004$$

$$R = 1.0000$$

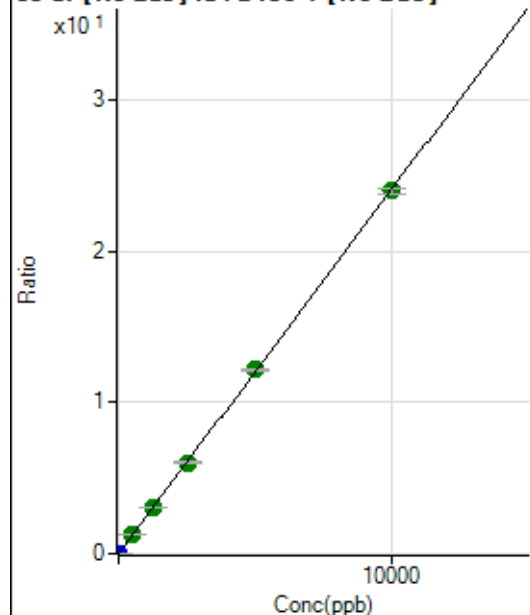
$$DL = 0.3451$$

$$BEC = 1.005$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 480.58      | 0.0001  | P    | 6.0 |
| 2 | <input type="checkbox"/> | 1.000     | 1.061      | 19446.86    | 0.0026  | P    | 0.8 |
| 3 | <input type="checkbox"/> | 500.000   | 507.075    | 9132473.82  | 1.2214  | A    | 0.4 |
| 4 | <input type="checkbox"/> | 1250.000  | 1271.373   | 22573472.55 | 3.0622  | A    | 0.6 |
| 5 | <input type="checkbox"/> | 2500.000  | 2505.588   | 44518068.01 | 6.0349  | A    | 0.4 |
| 6 | <input type="checkbox"/> | 5000.000  | 5060.461   | 85095154.68 | 12.1885 | A    | 1.0 |
| 7 | <input type="checkbox"/> | 10000.000 | 9965.347   | 160851417.4 | 24.0022 | A    | 1.3 |
| 8 | <input type="checkbox"/> |           |            | 54102.12    | 0.0084  | P    | 1.7 |

$$y = 0.0024 * x + 6.4980\text{E-}005$$

$$R = 1.0000$$

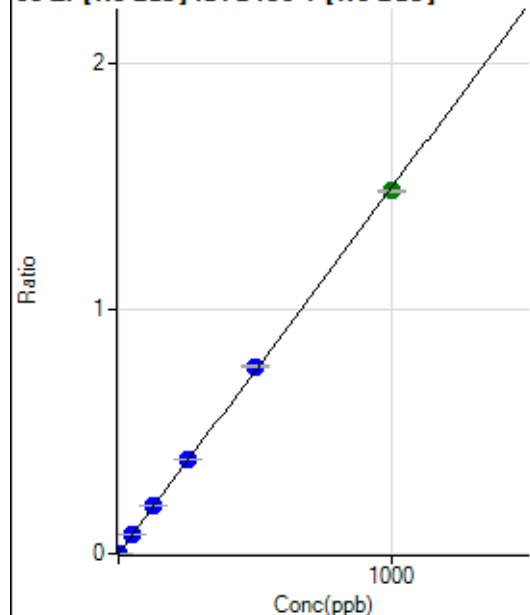
$$DL = 0.004884$$

$$BEC = 0.02698$$

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      | 566.69     | 0.0001 | P    | 7.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.015      | 11813.52   | 0.0016 | P    | 2.0 |
| 3 | <input type="checkbox"/> | 50.000   | 51.389     | 574107.23  | 0.0768 | P    | 1.0 |
| 4 | <input type="checkbox"/> | 125.000  | 129.621    | 1426881.18 | 0.1936 | P    | 0.1 |
| 5 | <input type="checkbox"/> | 250.000  | 255.890    | 2818147.55 | 0.3820 | P    | 0.7 |
| 6 | <input type="checkbox"/> | 500.000  | 512.440    | 5340841.83 | 0.7650 | P    | 1.2 |
| 7 | <input type="checkbox"/> | 1000.000 | 991.661    | 9920782.78 | 1.4803 | A    | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 2847.59    | 0.0004 | P    | 6.3 |

$$y = 0.0015 * x + 7.6645E-005$$

$$R = 0.9999$$

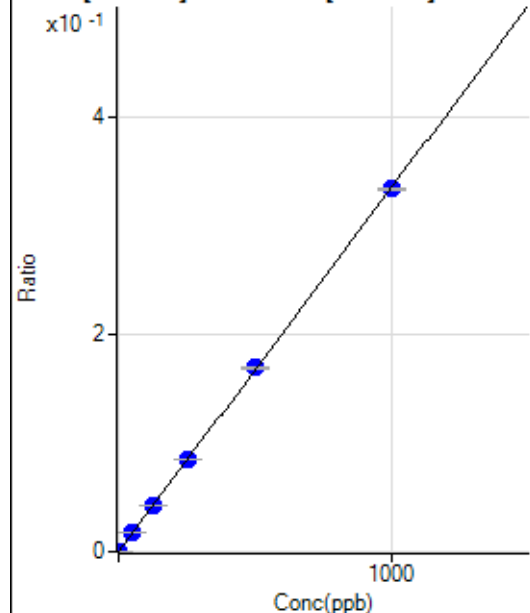
$$DL = 0.01195$$

$$BEC = 0.05135$$

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      | 94.45      | 0.0000 | P    | 17.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.010      | 2608.64    | 0.0004 | P    | 2.9  |
| 3 | <input type="checkbox"/> | 50.000   | 50.563     | 126913.13  | 0.0170 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 127.938    | 316431.61  | 0.0429 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 250.000  | 252.382    | 624558.54  | 0.0847 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 505.192    | 1183174.06 | 0.1695 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.413    | 2239971.71 | 0.3342 | P    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 608.37     | 0.0001 | P    | 5.0  |

$$y = 3.3543E-004 * x + 1.2765E-005$$

$$R = 1.0000$$

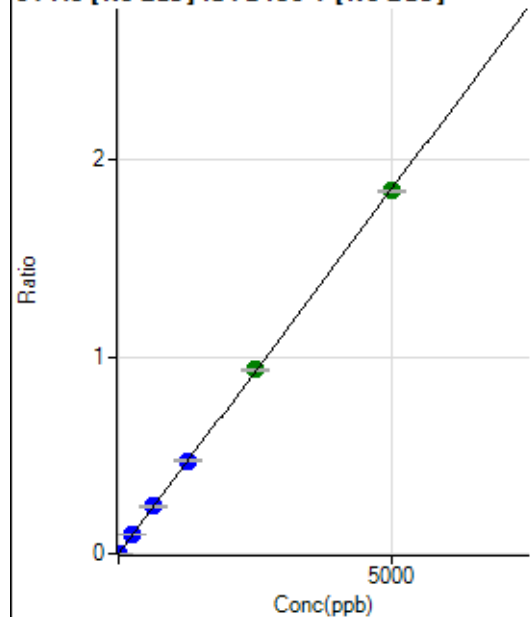
$$DL = 0.02041$$

$$BEC = 0.03806$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 236.12      | 0.0000 | P    | 7.8 |
| 2 | <input type="checkbox"/> | 5.000    | 5.160      | 14399.20    | 0.0019 | P    | 0.4 |
| 3 | <input type="checkbox"/> | 250.000  | 257.634    | 712670.91   | 0.0953 | P    | 1.4 |
| 4 | <input type="checkbox"/> | 625.000  | 646.658    | 1763228.88  | 0.2392 | P    | 1.1 |
| 5 | <input type="checkbox"/> | 1250.000 | 1273.907   | 3475739.97  | 0.4712 | P    | 1.0 |
| 6 | <input type="checkbox"/> | 2500.000 | 2524.580   | 6519914.60  | 0.9338 | A    | 0.4 |
| 7 | <input type="checkbox"/> | 5000.000 | 4978.644   | 12341323.10 | 1.8414 | A    | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 3294.91     | 0.0005 | P    | 7.7 |

$$y = 3.6986\text{E-}004 * x + 3.1941\text{E-}005$$

$$R = 1.0000$$

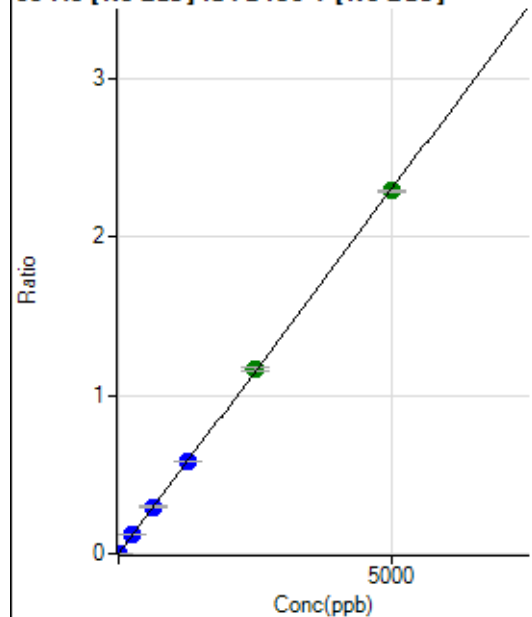
$$DL = 0.02024$$

$$BEC = 0.08636$$

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. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 75.00       | 0.0000 | P    | 11.7 |
| 2 | <input type="checkbox"/> | 5.000    | 5.265      | 18072.87    | 0.0024 | P    | 1.5  |
| 3 | <input type="checkbox"/> | 250.000  | 257.543    | 887042.50   | 0.1186 | P    | 1.2  |
| 4 | <input type="checkbox"/> | 625.000  | 644.364    | 2187937.16  | 0.2968 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1273.740   | 4328018.24  | 0.5867 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2529.578   | 8135320.23  | 1.1652 | A    | 1.4  |
| 7 | <input type="checkbox"/> | 5000.000 | 4976.478   | 15362261.28 | 2.2923 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 4245.18     | 0.0007 | P    | 3.5  |

$$y = 4.6062\text{E-}004 * x + 1.0148\text{E-}005$$

$$R = 1.0000$$

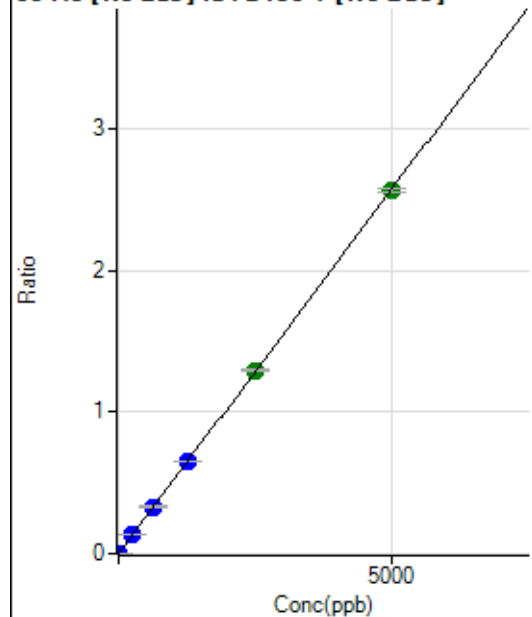
$$DL = 0.007721$$

$$BEC = 0.02203$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 161.12      | 0.0000 | P    | 13.3 |
| 2 | <input type="checkbox"/> | 5.000    | 5.271      | 20250.95    | 0.0027 | P    | 2.6  |
| 3 | <input type="checkbox"/> | 250.000  | 256.489    | 985052.30   | 0.1317 | P    | 1.2  |
| 4 | <input type="checkbox"/> | 625.000  | 645.629    | 2444366.18  | 0.3316 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 1250.000 | 1270.304   | 4812577.97  | 0.6524 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2520.723   | 9038180.85  | 1.2946 | A    | 1.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4981.659   | 17146016.01 | 2.5585 | A    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 5245.56     | 0.0008 | P    | 6.5  |

$$y = 5.1357\text{E-}004 * x + 2.1796\text{E-}005$$

$$R = 1.0000$$

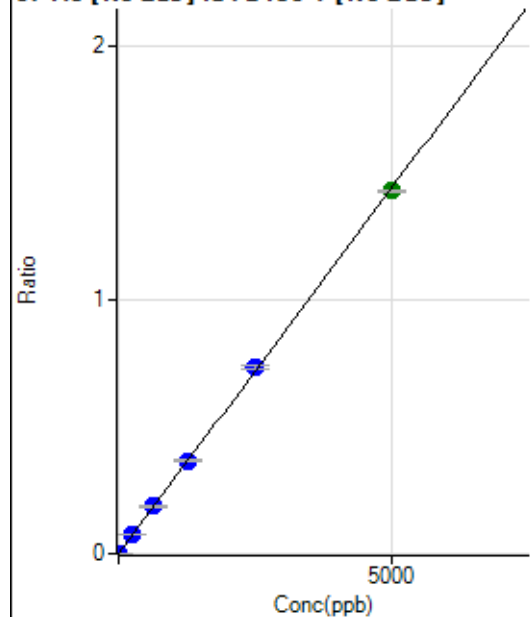
$$DL = 0.01695$$

$$BEC = 0.04244$$

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      | 52.78      | 0.0000 | P    | 50.8 |
| 2 | <input type="checkbox"/> | 5.000    | 5.375      | 11535.47   | 0.0016 | P    | 2.0  |
| 3 | <input type="checkbox"/> | 250.000  | 257.530    | 554462.39  | 0.0742 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 625.000  | 645.776    | 1370642.98 | 0.1859 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 1250.000 | 1273.956   | 2705763.97 | 0.3668 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2552.777   | 5131424.29 | 0.7350 | P    | 1.1  |
| 7 | <input type="checkbox"/> | 5000.000 | 4964.649   | 9579894.74 | 1.4294 | A    | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 2503.07    | 0.0004 | P    | 0.9  |

$$y = 2.8792\text{E-}004 * x + 7.1382\text{E-}006$$

$$R = 0.9999$$

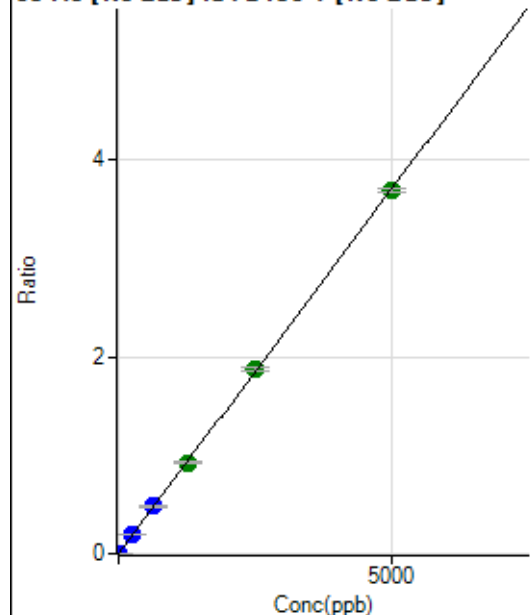
$$DL = 0.03782$$

$$BEC = 0.02479$$

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      | 144.45      | 0.0000 | P    | 46.7 |
| 2 | <input type="checkbox"/> | 5.000    | 5.297      | 29258.29    | 0.0039 | P    | 1.1  |
| 3 | <input type="checkbox"/> | 250.000  | 260.409    | 1442316.69  | 0.1929 | P    | 1.1  |
| 4 | <input type="checkbox"/> | 625.000  | 649.545    | 3546599.65  | 0.4811 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 1250.000 | 1251.246   | 6836717.17  | 0.9268 | A    | 0.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2535.607   | 13112574.86 | 1.8781 | A    | 1.5  |
| 7 | <input type="checkbox"/> | 5000.000 | 4978.296   | 24711900.38 | 3.6874 | A    | 0.9  |
| 8 | <input type="checkbox"/> |          |            | 6346.06     | 0.0010 | P    | 8.6  |

$$y = 7.4069\text{E-}004 * x + 1.9571\text{E-}005$$

$$R = 1.0000$$

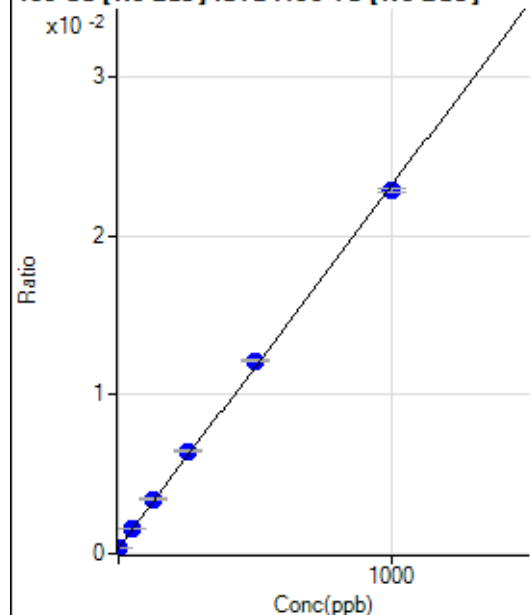
$$DL = 0.03704$$

$$BEC = 0.02642$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3030.96   | 0.0004 | P    | 4.5 |
| 2 | <input type="checkbox"/> | 1.000    | 0.048      | 3047.63   | 0.0004 | P    | 6.5 |
| 3 | <input type="checkbox"/> | 50.000   | 53.813     | 13537.31  | 0.0016 | P    | 2.6 |
| 4 | <input type="checkbox"/> | 125.000  | 135.139    | 29230.67  | 0.0034 | P    | 3.2 |
| 5 | <input type="checkbox"/> | 250.000  | 266.895    | 54995.88  | 0.0064 | P    | 0.8 |
| 6 | <input type="checkbox"/> | 500.000  | 517.293    | 101105.50 | 0.0121 | P    | 0.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 985.673    | 186104.14 | 0.0228 | P    | 1.0 |
| 8 | <input type="checkbox"/> |          |            | 2842.04   | 0.0004 | P    | 8.7 |

$$y = 2.2764\text{E-}005 * x + 3.6342\text{E-}004$$

$$R = 0.9996$$

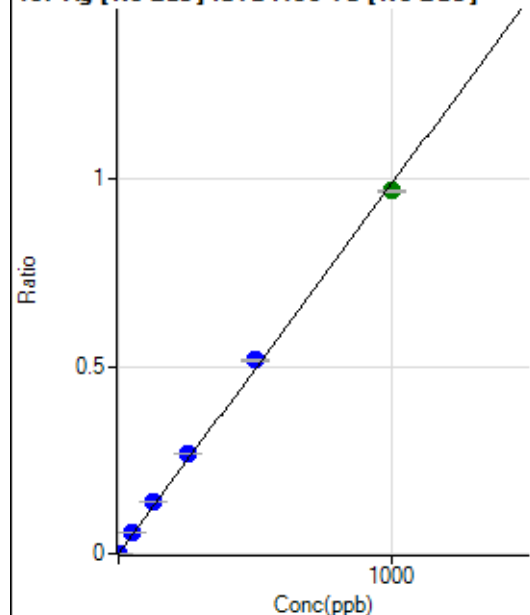
$$DL = 2.176$$

$$BEC = 15.97$$

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      | 61.11      | 0.0000 | P   | 27.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.155      | 9586.78    | 0.0011 | P   | 1.3  |
| 3 | <input type="checkbox"/> | 50.000   | 55.972     | 470562.29  | 0.0552 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 138.445    | 1160524.98 | 0.1365 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 269.550    | 2270703.76 | 0.2659 | P   | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 522.960    | 4296035.95 | 0.5158 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 981.653    | 7902355.99 | 0.9682 | A   | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 2672.54    | 0.0003 | P   | 4.7  |

$$y = 9.8625\text{E-}004 * x + 7.3131\text{E-}006$$

$$R = 0.9994$$

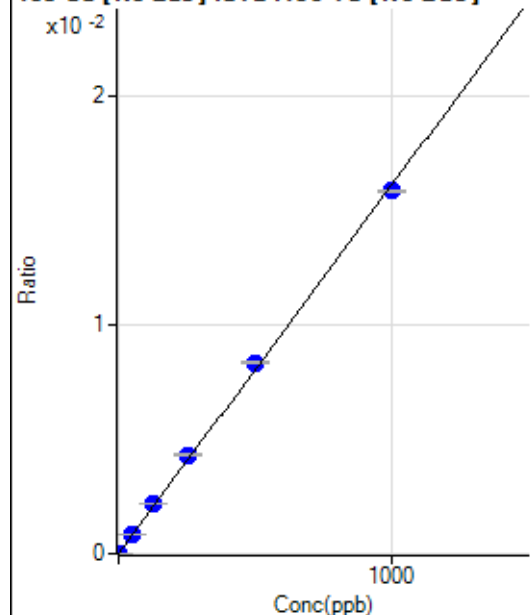
$$DL = 0.00612$$

$$BEC = 0.007415$$

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      | 38.89     | 0.0000 | P   | 62.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.136      | 191.67    | 0.0000 | P   | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 53.482     | 7363.10   | 0.0009 | P   | 2.6  |
| 4 | <input type="checkbox"/> | 125.000  | 136.416    | 18669.35  | 0.0022 | P   | 1.7  |
| 5 | <input type="checkbox"/> | 250.000  | 267.163    | 36698.73  | 0.0043 | P   | 2.3  |
| 6 | <input type="checkbox"/> | 500.000  | 517.824    | 69331.70  | 0.0083 | P   | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 985.196    | 129235.87 | 0.0158 | P   | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 190.28    | 0.0000 | P   | 6.6  |

$$y = 1.6066\text{E-}005 * x + 4.6667\text{E-}006$$

$$R = 0.9996$$

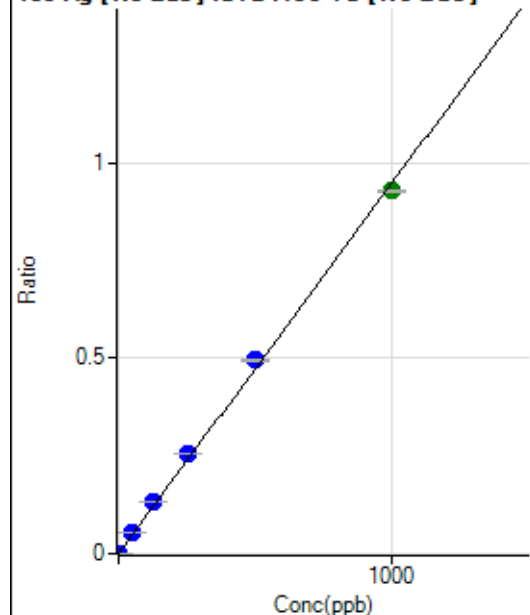
$$DL = 0.5474$$

$$BEC = 0.2905$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 30.56      | 0.0000 | P    | 32.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.168      | 9269.93    | 0.0011 | P    | 2.1  |
| 3 | <input type="checkbox"/> | 50.000   | 56.085     | 452150.05  | 0.0530 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 138.859    | 1116250.23 | 0.1313 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 272.111    | 2198240.11 | 0.2574 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 523.179    | 4121540.46 | 0.4948 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 980.846    | 7572105.38 | 0.9277 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 2530.86    | 0.0003 | P    | 3.9  |

$$y = 9.4581\text{E-}004 * x + 3.6706\text{E-}006$$

$$R = 0.9993$$

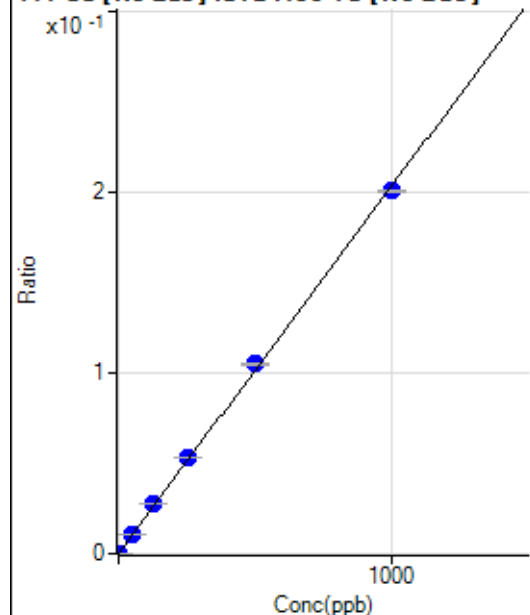
$$DL = 0.003786$$

$$BEC = 0.003881$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 587.30     | 0.0001 | P    | 1.6  |
| 2 | <input type="checkbox"/> | 1.000    | 1.153      | 2549.15    | 0.0003 | P    | 4.9  |
| 3 | <input type="checkbox"/> | 50.000   | 53.928     | 94028.35   | 0.0110 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 134.427    | 232824.00  | 0.0274 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 261.493    | 454592.53  | 0.0532 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 516.083    | 874326.05  | 0.1050 | P    | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 987.711    | 1639319.58 | 0.2008 | P    | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 856.05     | 0.0001 | P    | 14.5 |

$$y = 2.0327\text{E-}004 * x + 7.0413\text{E-}005$$

$$R = 0.9997$$

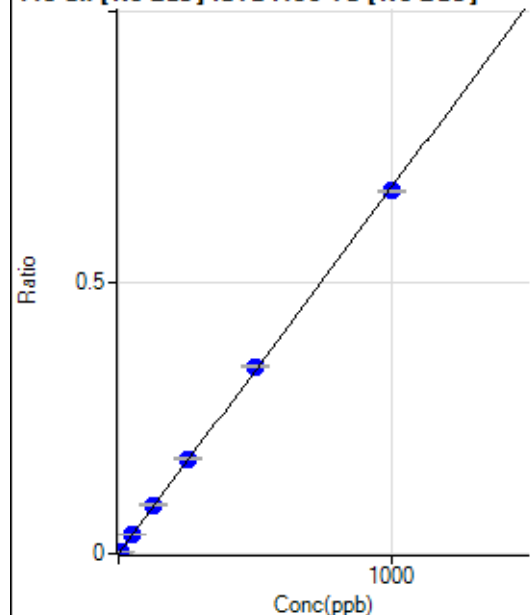
$$DL = 0.01642$$

$$BEC = 0.3464$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 791.71     | 0.0001 | P    | 8.2 |
| 2 | <input type="checkbox"/> | 5.000    | 5.434      | 31522.01   | 0.0038 | P    | 2.6 |
| 3 | <input type="checkbox"/> | 50.000   | 53.344     | 308300.26  | 0.0362 | P    | 0.8 |
| 4 | <input type="checkbox"/> | 125.000  | 132.983    | 765170.76  | 0.0900 | P    | 1.2 |
| 5 | <input type="checkbox"/> | 250.000  | 259.423    | 1499328.83 | 0.1755 | P    | 1.1 |
| 6 | <input type="checkbox"/> | 500.000  | 511.539    | 2882352.99 | 0.3461 | P    | 0.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 990.707    | 5469784.28 | 0.6701 | P    | 0.2 |
| 8 | <input type="checkbox"/> |          |            | 2597.54    | 0.0003 | P    | 6.7 |

$$y = 6.7631E-004 * x + 9.4865E-005$$

$$R = 0.9998$$

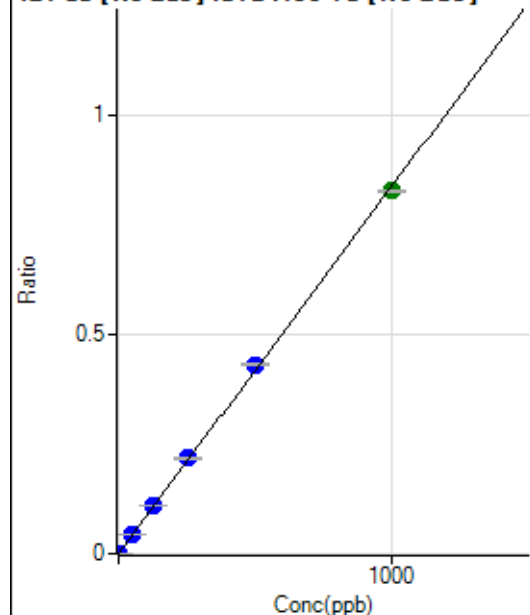
$$DL = 0.03435$$

$$BEC = 0.1403$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 94.45      | 0.0000 | P    | 12.4 |
| 2 | <input type="checkbox"/> | 2.000    | 2.192      | 15431.03   | 0.0018 | P    | 2.0  |
| 3 | <input type="checkbox"/> | 50.000   | 52.628     | 375344.81  | 0.0440 | P    | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 132.951    | 945371.93  | 0.1112 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 250.000  | 260.272    | 1859800.59 | 0.2177 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 515.353    | 3591021.35 | 0.4311 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 988.630    | 6750774.32 | 0.8271 | A    | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 4303.56    | 0.0005 | P    | 0.9  |

$$y = 8.3657E-004 * x + 1.1313E-005$$

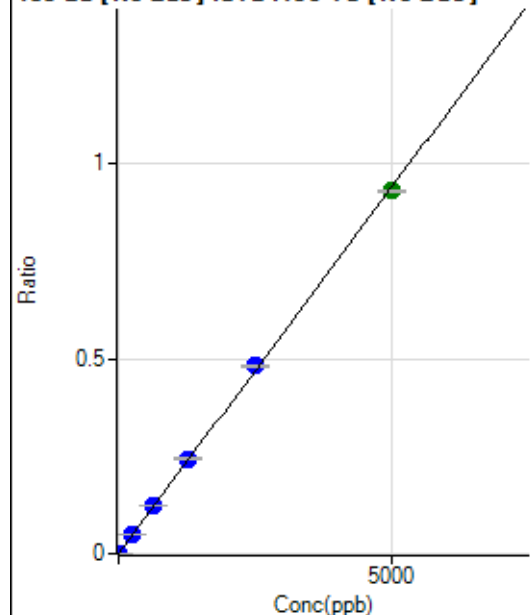
$$R = 0.9998$$

$$DL = 0.005034$$

$$BEC = 0.01352$$

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. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.00      | 0.0000 | P    | 57.3 |
| 2 | <input type="checkbox"/> | 10.000   | 10.893     | 17155.45   | 0.0021 | P    | 1.4  |
| 3 | <input type="checkbox"/> | 250.000  | 263.866    | 422999.45  | 0.0496 | P    | 0.2  |
| 4 | <input type="checkbox"/> | 625.000  | 657.706    | 1051300.91 | 0.1237 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 1250.000 | 1297.405   | 2084058.34 | 0.2440 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2559.974   | 4010059.47 | 0.4815 | P    | 0.9  |
| 7 | <input type="checkbox"/> | 5000.000 | 4953.378   | 7603732.46 | 0.9316 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 3086.54    | 0.0004 | P    | 2.7  |

$$y = 1.8807E-004 * x + 2.9865E-006$$

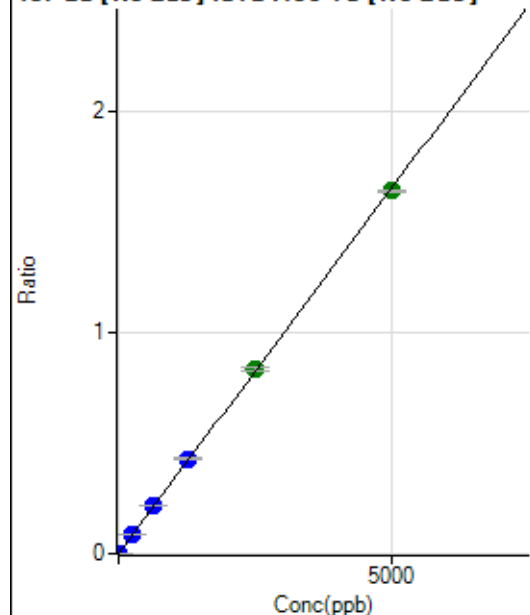
$$R = 0.9998$$

$$DL = 0.02732$$

$$BEC = 0.01588$$

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. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 44.45       | 0.0000 | P    | 46.4 |
| 2 | <input type="checkbox"/> | 10.000   | 11.125     | 30765.11    | 0.0037 | P    | 3.1  |
| 3 | <input type="checkbox"/> | 250.000  | 265.056    | 746048.63   | 0.0875 | P    | 0.5  |
| 4 | <input type="checkbox"/> | 625.000  | 660.329    | 1853212.52  | 0.2181 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 1250.000 | 1301.512   | 3670784.41  | 0.4298 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 2500.000 | 2529.554   | 6957035.44  | 0.8353 | A    | 1.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 4967.174   | 13388068.88 | 1.6402 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 5278.98     | 0.0007 | P    | 7.6  |

$$y = 3.3021E-004 * x + 5.3180E-006$$

$$R = 0.9999$$

$$DL = 0.0224$$

$$BEC = 0.0161$$

Weight: &lt;None&gt;

Min Conc: 0

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

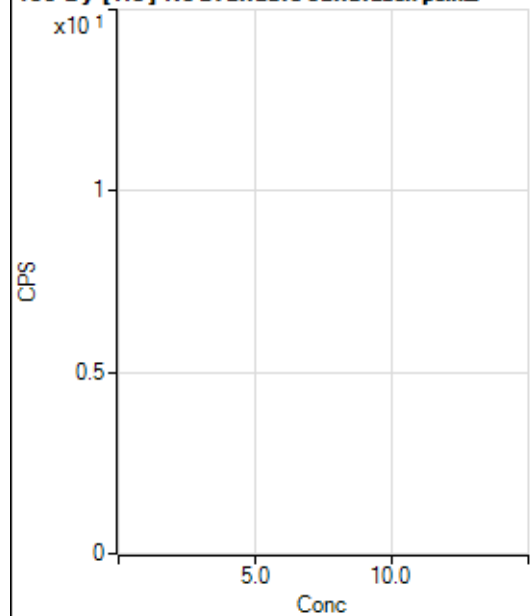
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 6.67   |       | P        | 100. |
| 3 | <input type="checkbox"/> |       |            | 44.45  |       | P        | 8.7  |
| 4 | <input type="checkbox"/> |       |            | 91.11  |       | P        | 36.8 |
| 5 | <input type="checkbox"/> |       |            | 122.23 |       | P        | 15.7 |
| 6 | <input type="checkbox"/> |       |            | 280.01 |       | P        | 6.3  |
| 7 | <input type="checkbox"/> |       |            | 497.80 |       | P        | 6.3  |
| 8 | <input type="checkbox"/> |       |            | 64.45  |       | P        | 47.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 2 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 100. |
| 4 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 69.3 |
| 5 | <input type="checkbox"/> |       |            | 28.89 |       | P        | 17.6 |
| 6 | <input type="checkbox"/> |       |            | 31.11 |       | P        | 22.3 |
| 7 | <input type="checkbox"/> |       |            | 71.11 |       | P        | 14.3 |
| 8 | <input type="checkbox"/> |       |            | 24.44 |       | P        | 7.9  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.56    |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 0.00    |       | P        |      |
| 3 | <input type="checkbox"/> |       |            | 30.55   |       | P        | 68.6 |
| 4 | <input type="checkbox"/> |       |            | 77.78   |       | P        | 44.6 |
| 5 | <input type="checkbox"/> |       |            | 138.90  |       | P        | 35.2 |
| 6 | <input type="checkbox"/> |       |            | 263.90  |       | P        | 12.8 |
| 7 | <input type="checkbox"/> |       |            | 538.92  |       | P        | 12.5 |
| 8 | <input type="checkbox"/> |       |            | 1950.19 |       | P        | 2.4  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22    |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 4.44    |       | P        | 114. |
| 3 | <input type="checkbox"/> |       |            | 24.44   |       | P        | 31.5 |
| 4 | <input type="checkbox"/> |       |            | 48.89   |       | P        | 23.9 |
| 5 | <input type="checkbox"/> |       |            | 93.33   |       | P        | 14.3 |
| 6 | <input type="checkbox"/> |       |            | 172.23  |       | P        | 8.1  |
| 7 | <input type="checkbox"/> |       |            | 317.79  |       | P        | 6.4  |
| 8 | <input type="checkbox"/> |       |            | 1294.52 |       | P        | 10.3 |

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

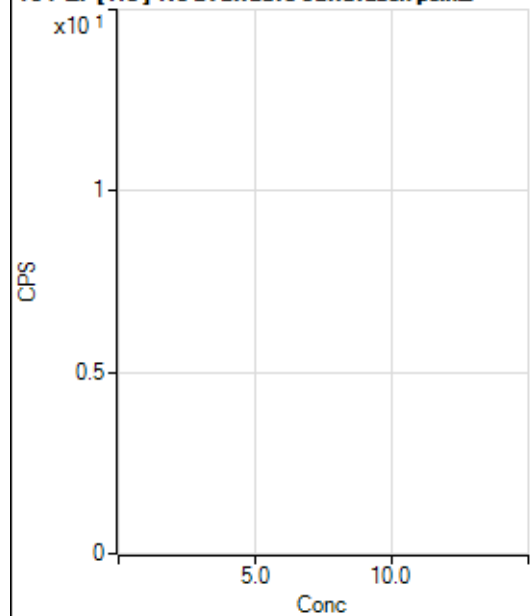
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 25.00   |       | P        | 57.7 |
| 2 | <input type="checkbox"/> |       |            | 33.33   |       | P        | 43.3 |
| 3 | <input type="checkbox"/> |       |            | 41.67   |       | P        | 60.0 |
| 4 | <input type="checkbox"/> |       |            | 97.23   |       | P        | 27.6 |
| 5 | <input type="checkbox"/> |       |            | 141.67  |       | P        | 30.6 |
| 6 | <input type="checkbox"/> |       |            | 255.56  |       | P        | 22.2 |
| 7 | <input type="checkbox"/> |       |            | 458.36  |       | P        | 15.7 |
| 8 | <input type="checkbox"/> |       |            | 2050.21 |       | P        | 1.1  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 60.00   |       | P        | 28.9 |
| 2 | <input type="checkbox"/> |       |            | 65.55   |       | P        | 29.8 |
| 3 | <input type="checkbox"/> |       |            | 94.45   |       | P        | 8.2  |
| 4 | <input type="checkbox"/> |       |            | 107.78  |       | P        | 7.8  |
| 5 | <input type="checkbox"/> |       |            | 150.00  |       | P        | 17.8 |
| 6 | <input type="checkbox"/> |       |            | 233.34  |       | P        | 9.4  |
| 7 | <input type="checkbox"/> |       |            | 365.57  |       | P        | 10.6 |
| 8 | <input type="checkbox"/> |       |            | 1504.54 |       | P        | 2.5  |

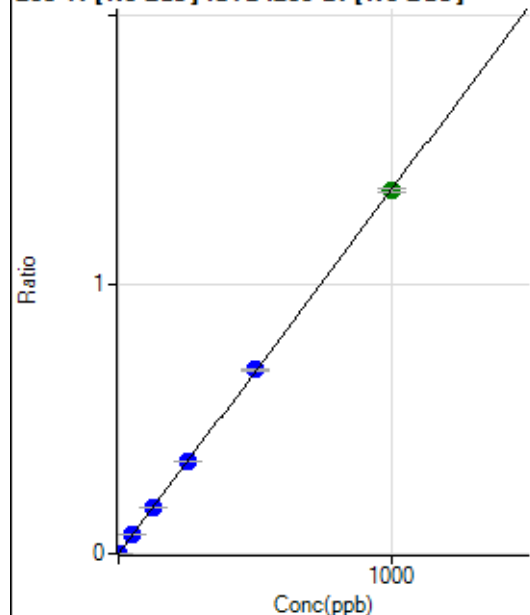
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 33.3 |
| 2 | <input type="checkbox"/> |       |            | 80.56  |       | P        | 31.6 |
| 3 | <input type="checkbox"/> |       |            | 91.67  |       | P        | 24.1 |
| 4 | <input type="checkbox"/> |       |            | 77.78  |       | P        | 32.7 |
| 5 | <input type="checkbox"/> |       |            | 86.12  |       | P        | 53.3 |
| 6 | <input type="checkbox"/> |       |            | 111.11 |       | P        | 15.6 |
| 7 | <input type="checkbox"/> |       |            | 102.78 |       | P        | 33.8 |
| 8 | <input type="checkbox"/> |       |            | 338.90 |       | P        | 13.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 40.00  |       | P        | 22.0 |
| 2 | <input type="checkbox"/> |       |            | 37.78  |       | P        | 13.5 |
| 3 | <input type="checkbox"/> |       |            | 54.44  |       | P        | 14.1 |
| 4 | <input type="checkbox"/> |       |            | 57.78  |       | P        | 14.5 |
| 5 | <input type="checkbox"/> |       |            | 52.22  |       | P        | 18.4 |
| 6 | <input type="checkbox"/> |       |            | 48.89  |       | P        | 23.9 |
| 7 | <input type="checkbox"/> |       |            | 95.56  |       | P        | 28.2 |
| 8 | <input type="checkbox"/> |       |            | 206.67 |       | P        | 4.8  |

203 TI [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     | 0.0000 | P   | 18.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.030      | 8375.10    | 0.0014 | P   | 1.5  |
| 3 | <input type="checkbox"/> | 50.000   | 50.421     | 403872.70  | 0.0683 | P   | 0.5  |
| 4 | <input type="checkbox"/> | 125.000  | 126.697    | 1008091.67 | 0.1716 | P   | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 252.446    | 2006635.01 | 0.3418 | P   | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 505.100    | 3942641.54 | 0.6838 | P   | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 996.605    | 7556099.04 | 1.3492 | A   | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 3700.62    | 0.0007 | P   | 16.0 |

$$y = 0.0014 * x + 4.7706E-005$$

$$R = 1.0000$$

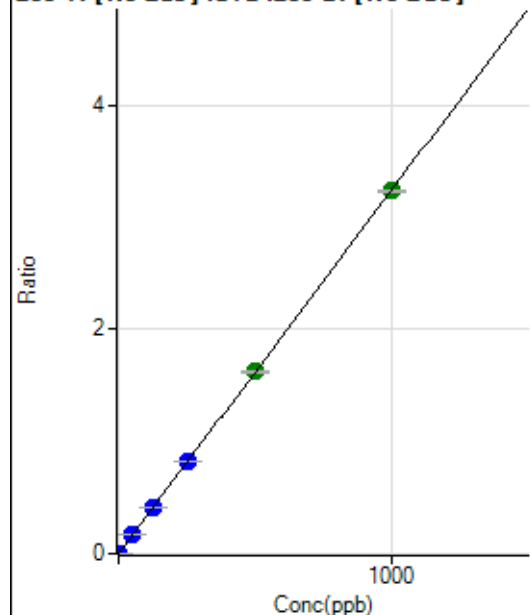
$$DL = 0.01952$$

$$BEC = 0.03524$$

Weight: &lt;None&gt;

Min Conc: 0

205 TI [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      | 672.26      | 0.0001 | P   | 3.5  |
| 2 | <input type="checkbox"/> | 1.000    | 1.051      | 20435.63    | 0.0035 | P   | 3.4  |
| 3 | <input type="checkbox"/> | 50.000   | 50.607     | 969447.57   | 0.1640 | P   | 0.1  |
| 4 | <input type="checkbox"/> | 125.000  | 126.823    | 2413311.79  | 0.4107 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 252.826    | 4806103.54  | 0.8186 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 501.329    | 9358574.69  | 1.6231 | A   | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.371    | 18102706.31 | 3.2322 | A   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 9078.35     | 0.0018 | P   | 14.6 |

$$y = 0.0032 * x + 1.1570E-004$$

$$R = 1.0000$$

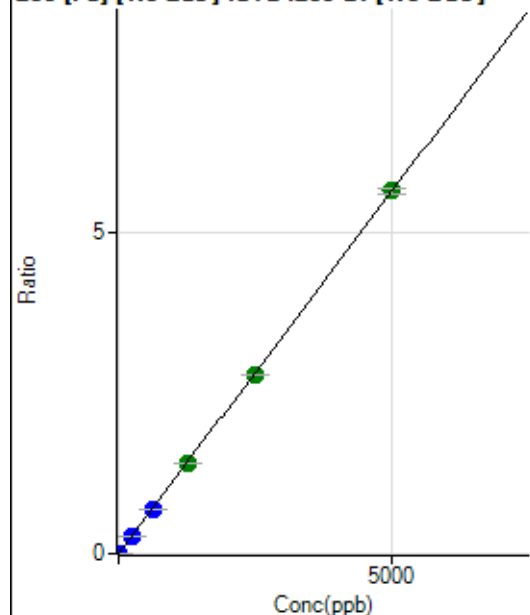
$$DL = 0.003791$$

$$BEC = 0.03574$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 648.17      | 0.0001 | P    | 3.6 |
| 2 | <input type="checkbox"/> | 1.000    | 1.049      | 7500.42     | 0.0013 | P    | 2.8 |
| 3 | <input type="checkbox"/> | 250.000  | 248.675    | 1653907.98  | 0.2797 | P    | 1.0 |
| 4 | <input type="checkbox"/> | 625.000  | 620.637    | 4101023.41  | 0.6979 | P    | 0.7 |
| 5 | <input type="checkbox"/> | 1250.000 | 1244.366   | 8214521.37  | 1.3992 | A    | 1.2 |
| 6 | <input type="checkbox"/> | 2500.000 | 2479.934   | 16077046.89 | 2.7884 | A    | 0.3 |
| 7 | <input type="checkbox"/> | 5000.000 | 5012.053   | 31560874.55 | 5.6353 | A    | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 19394.01    | 0.0038 | P    | 1.7 |

$$y = 0.0011 * x + 1.1148E-004$$

$$R = 1.0000$$

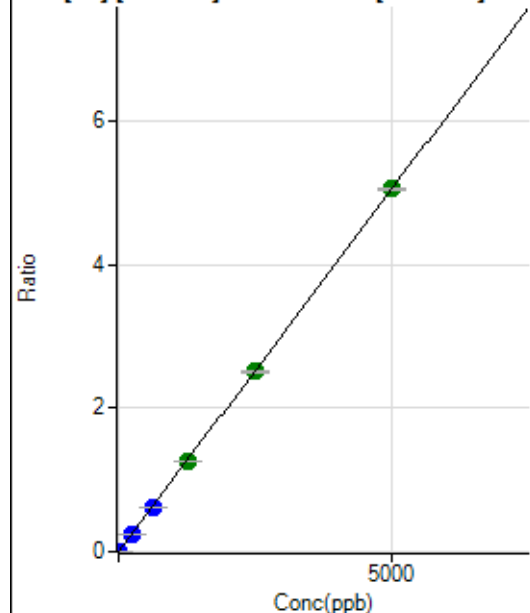
$$DL = 0.01072$$

$$BEC = 0.09916$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 587.06      | 0.0001 | P    | 9.9 |
| 2 | <input type="checkbox"/> | 1.000    | 1.027      | 6612.86     | 0.0011 | P    | 0.3 |
| 3 | <input type="checkbox"/> | 250.000  | 244.833    | 1462236.40  | 0.2473 | P    | 0.5 |
| 4 | <input type="checkbox"/> | 625.000  | 614.041    | 3643587.78  | 0.6201 | P    | 0.5 |
| 5 | <input type="checkbox"/> | 1250.000 | 1246.856   | 7391496.75  | 1.2590 | A    | 1.2 |
| 6 | <input type="checkbox"/> | 2500.000 | 2488.761   | 14488490.25 | 2.5129 | A    | 0.8 |
| 7 | <input type="checkbox"/> | 5000.000 | 5008.034   | 28319392.07 | 5.0564 | A    | 0.3 |
| 8 | <input type="checkbox"/> |          |            | 17459.81    | 0.0034 | P    | 3.0 |

$$y = 0.0010 * x + 1.0110E-004$$

$$R = 1.0000$$

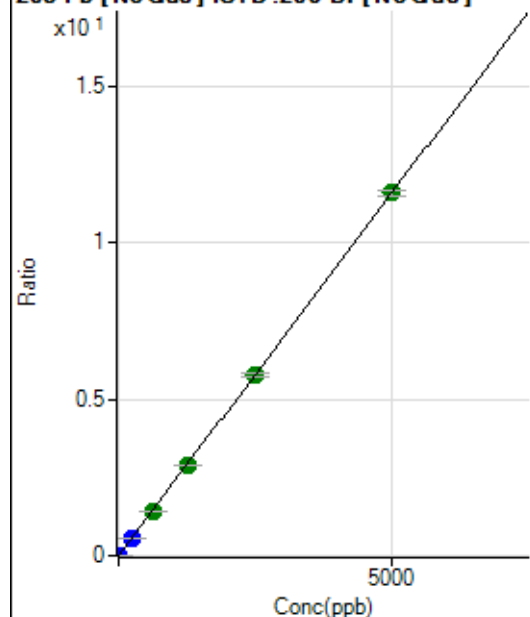
$$DL = 0.02965$$

$$BEC = 0.1001$$

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      | 1253.80     | 0.0002  | P    | 5.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.040      | 15252.06    | 0.0026  | P    | 1.4 |
| 3 | <input type="checkbox"/> | 250.000  | 243.421    | 3336990.68  | 0.5644  | P    | 0.9 |
| 4 | <input type="checkbox"/> | 625.000  | 613.255    | 8353031.35  | 1.4215  | A    | 0.3 |
| 5 | <input type="checkbox"/> | 1250.000 | 1239.198   | 16862425.90 | 2.8721  | A    | 0.3 |
| 6 | <input type="checkbox"/> | 2500.000 | 2494.960   | 33339976.09 | 5.7825  | A    | 1.6 |
| 7 | <input type="checkbox"/> | 5000.000 | 5007.017   | 64993927.85 | 11.6043 | A    | 1.3 |
| 8 | <input type="checkbox"/> |          |            | 40041.32    | 0.0077  | P    | 2.0 |

$$y = 0.0023 * x + 2.1582E-004$$

$$R = 1.0000$$

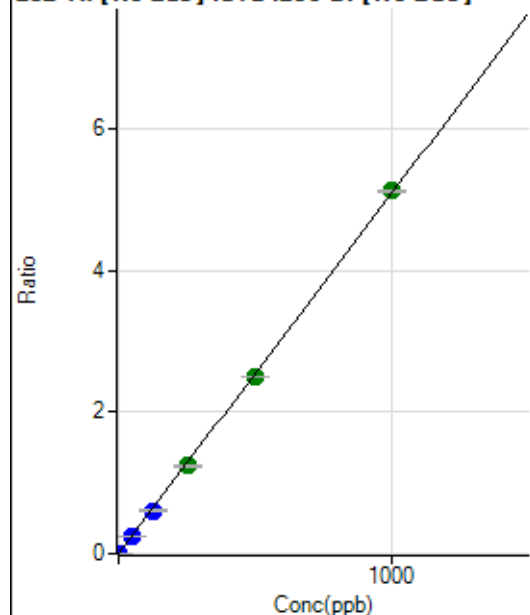
$$DL = 0.01542$$

$$BEC = 0.09313$$

Weight: &lt;None&gt;

Min Conc: 0

232 Th [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      | 105.56      | 0.0000 | P    | 10.8 |
| 2 | <input type="checkbox"/> | 1.000    | 0.001      | 148.15      | 0.0000 | P    | 29.2 |
| 3 | <input type="checkbox"/> | 50.000   | 47.176     | 1418748.08  | 0.2399 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 120.095    | 3589023.06  | 0.6108 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 242.931    | 7253464.51  | 1.2355 | A    | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 490.455    | 14381220.11 | 2.4943 | A    | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 1007.295   | 28690933.51 | 5.1227 | A    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 4387.87     | 0.0008 | P    | 10.4 |

$$y = 0.0051 * x + 1.8180E-005$$

$$R = 0.9999$$

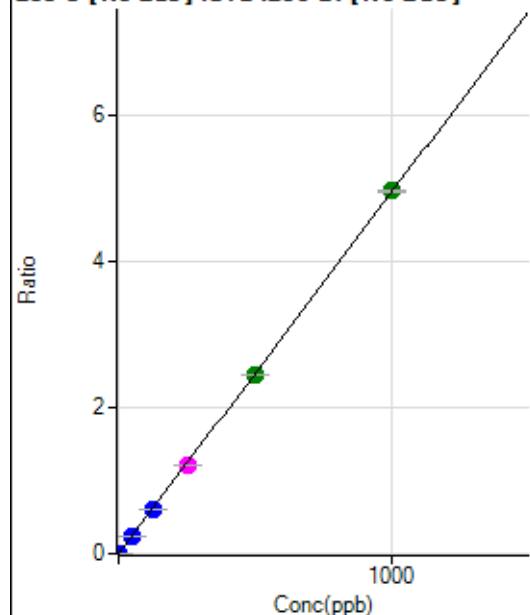
$$DL = 0.001154$$

$$BEC = 0.003575$$

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      | 108.34      | 0.0000 | P        | 14.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.960      | 27635.34    | 0.0048 | P        | 2.4  |
| 3 | <input type="checkbox"/> | 50.000   | 48.135     | 1404165.18  | 0.2375 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 125.000  | 121.659    | 3526754.90  | 0.6002 | P        | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 245.199    | 7101736.62  | 1.2096 | M        | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 494.669    | 14070001.70 | 2.4403 | A        | 0.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1004.376   | 27749617.63 | 4.9547 | A        | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 5084.45     | 0.0010 | P        | 0.6  |

$$y = 0.0049 * x + 1.8663E-005$$

R = 1.0000

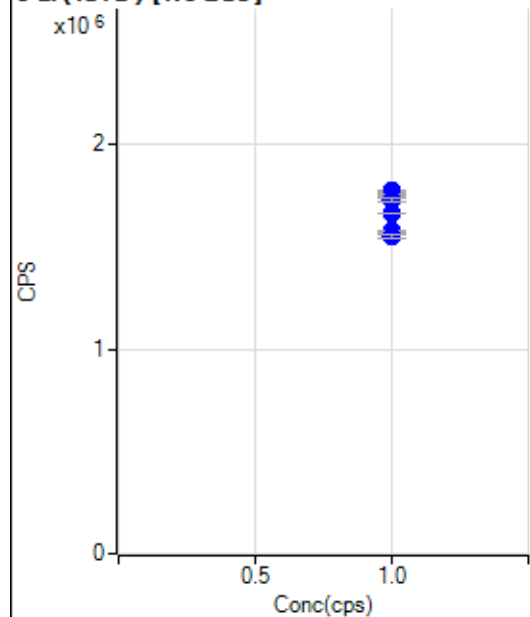
DL = 0.001656

BEC = 0.003783

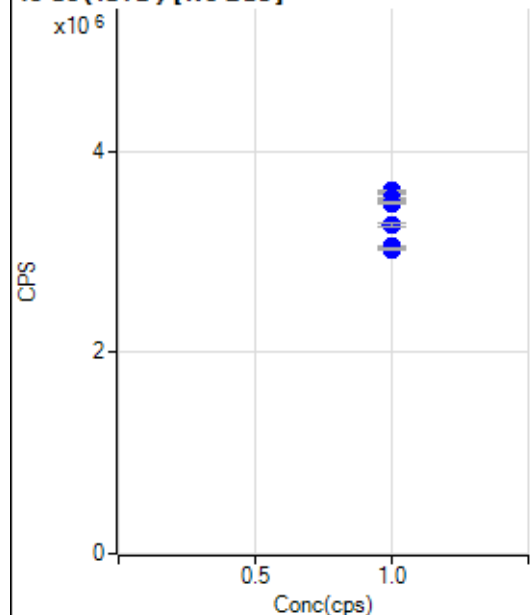
Weight: <None>

Min Conc: 0

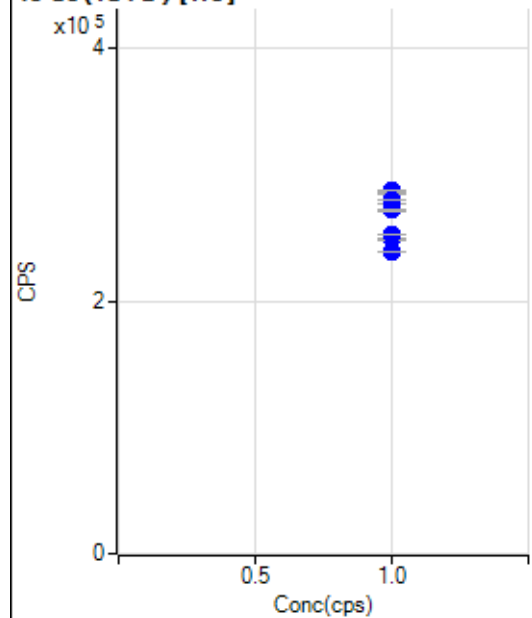
6 Li (ISTD) [No Gas]



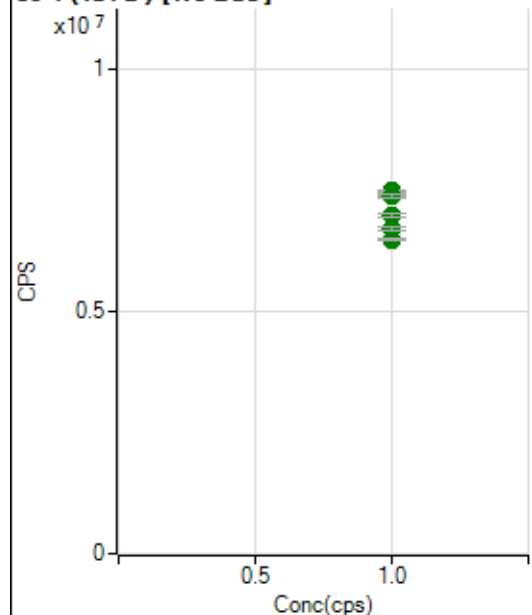
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1760569.14 |       | P        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1766128.72 |       | P        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1772147.89 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1755368.21 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1727801.44 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1662845.20 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1574591.94 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1549866.38 |       | P        | 1.2 |

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

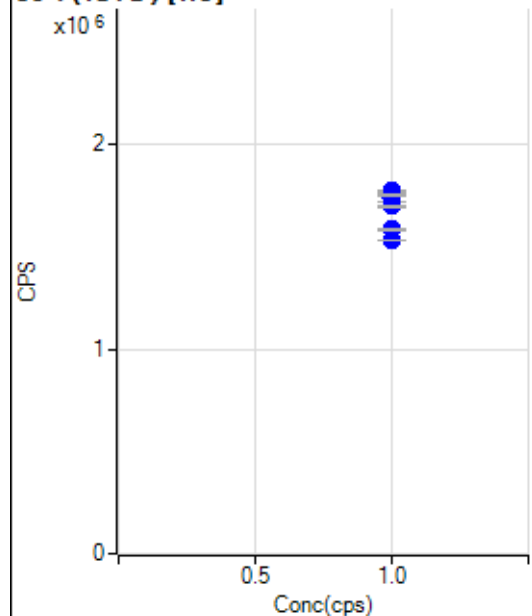
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3572707.66 |       | P        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3586772.65 |       | P        | 0.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3607238.24 |       | P        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3536175.09 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3484632.48 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3270393.81 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3050161.73 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3027258.57 |       | P        | 0.6 |

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

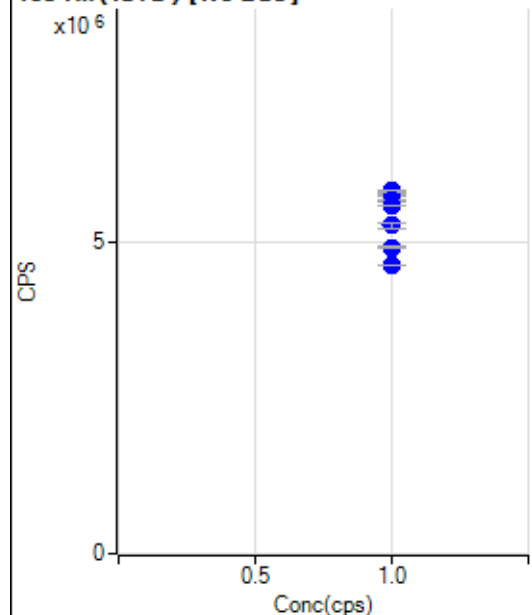
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 286978.88 |       | P        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 287091.52 |       | P        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 280465.83 |       | P        | 2.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 279984.41 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 271790.49 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 249242.22 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 238759.09 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 252419.93 |       | P        | 0.4 |

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

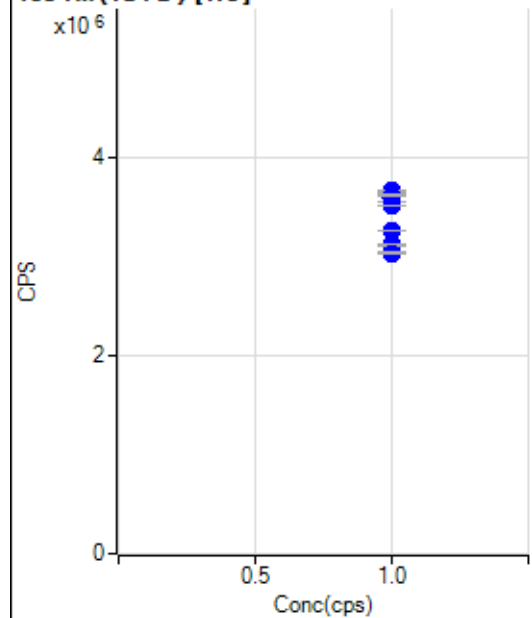
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7394301.28 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7420829.75 |       | A        | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7477216.21 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7371770.17 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7376848.50 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6982261.77 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6701970.67 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6473305.74 |       | A        | 0.7 |

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

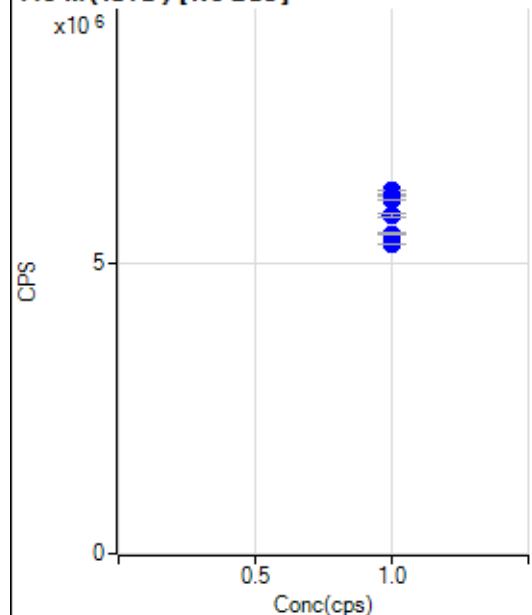
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1772581.97 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 1773167.09 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1742112.94 |       | P        | 2.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1756129.61 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1698769.64 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1584146.66 |       | P        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1532756.35 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1585098.66 |       | P        | 0.3 |

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

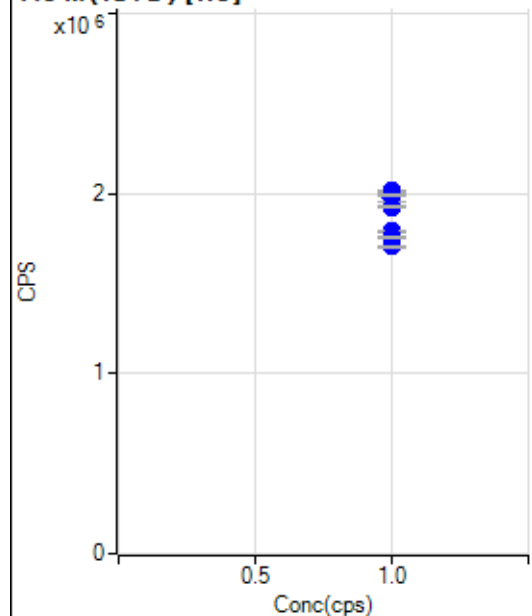
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5761223.87 |       | P        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5741839.57 |       | P        | 0.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5817552.14 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5659491.86 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5577810.20 |       | P        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5260170.75 |       | P        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4914147.22 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4633623.26 |       | P        | 0.2 |

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

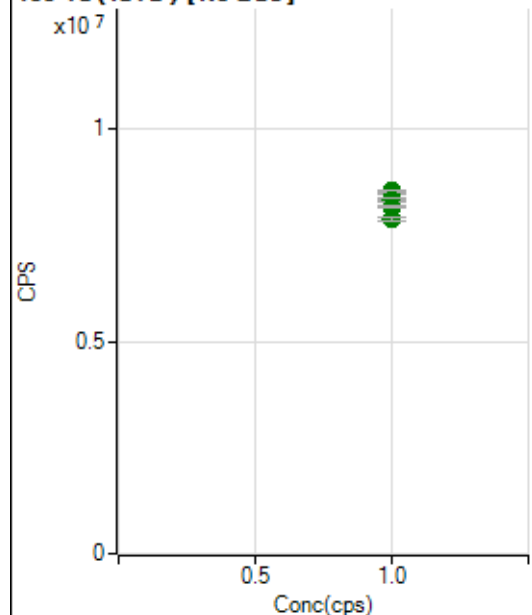
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3668708.31 |       | P        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 3659593.14 |       | P        | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 3606935.92 |       | P        | 2.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3621313.83 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3518057.86 |       | P        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3265723.98 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3123231.31 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3038747.28 |       | P        | 0.9 |

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

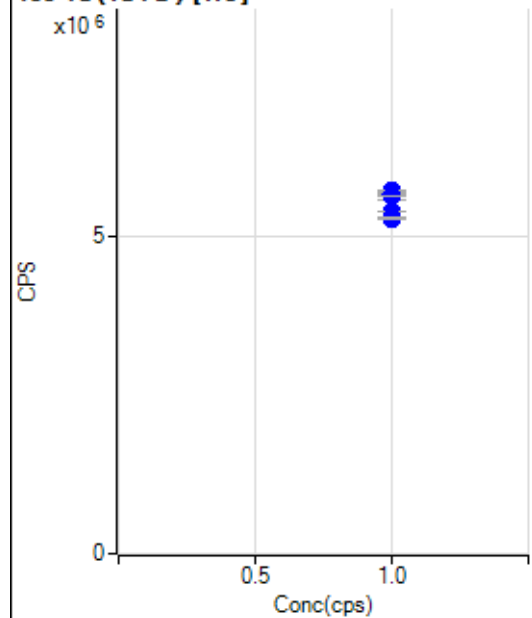
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6183256.95 |       | P        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6212824.81 |       | P        | 0.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6266168.95 |       | P        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6185215.98 |       | P        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6112869.64 |       | P        | 0.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5837914.90 |       | P        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5518766.44 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5346002.54 |       | P        | 0.2 |

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

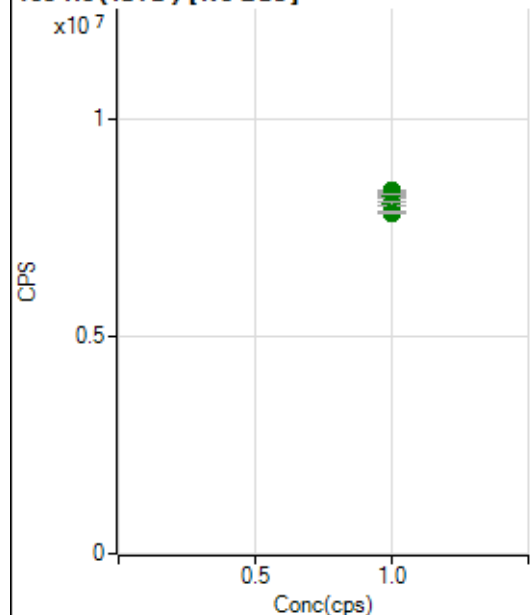
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2014680.17 |       | P        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2003854.03 |       | P        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 1972882.20 |       | P        | 2.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1990333.01 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1926140.89 |       | P        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1788709.81 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1705512.12 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1761372.32 |       | P        | 0.6 |

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

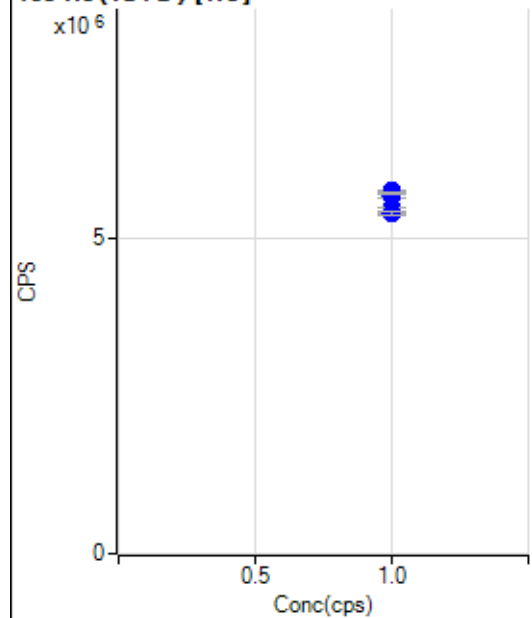
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8341268.21 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8362299.67 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8523400.92 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8499344.25 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8541441.82 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8329559.53 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8162383.42 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7877466.27 |       | A        | 0.7 |

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

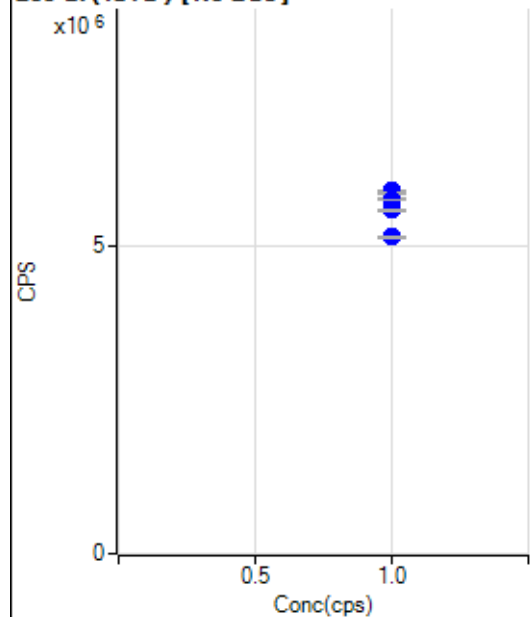
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5668417.63 |       | P        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5659417.00 |       | P        | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5622690.65 |       | P        | 2.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5704953.46 |       | P        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5629868.32 |       | P        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5373058.74 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5280585.90 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5270289.82 |       | P        | 0.5 |

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

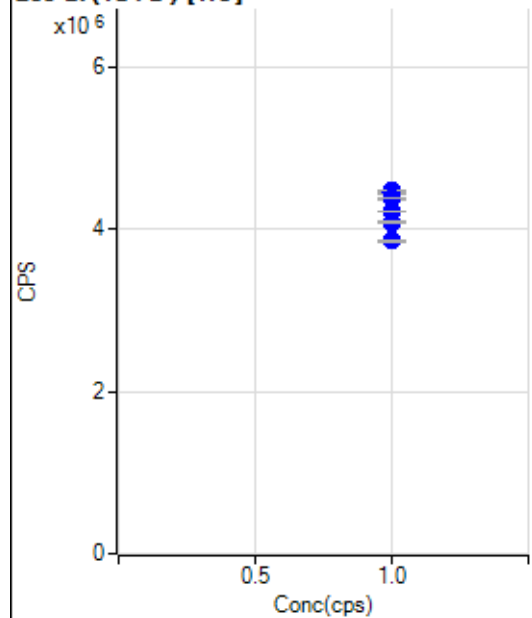
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8241296.89 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8191619.11 |       | A        | 1.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8357017.58 |       | A        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8357239.04 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8302213.97 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8239288.35 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8050250.09 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7858172.45 |       | A        | 0.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5743538.46 |       | P        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5744621.86 |       | P        | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5681250.82 |       | P        | 2.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5747410.89 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5703133.46 |       | P        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5483865.61 |       | P        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5378156.10 |       | P        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5387360.33 |       | P        | 0.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5812916.23 |       | P        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5810382.07 |       | P        | 0.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5913092.48 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5876259.50 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5871050.19 |       | P        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5765760.96 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5600718.46 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5167433.74 |       | P        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4471918.02 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4459178.86 |       | P        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4394760.42 |       | P        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4452766.81 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4387765.25 |       | P        | 0.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4211915.67 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4087246.15 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3852688.69 |       | P        | 0.3 |

US EPA Tune Check Sample Report

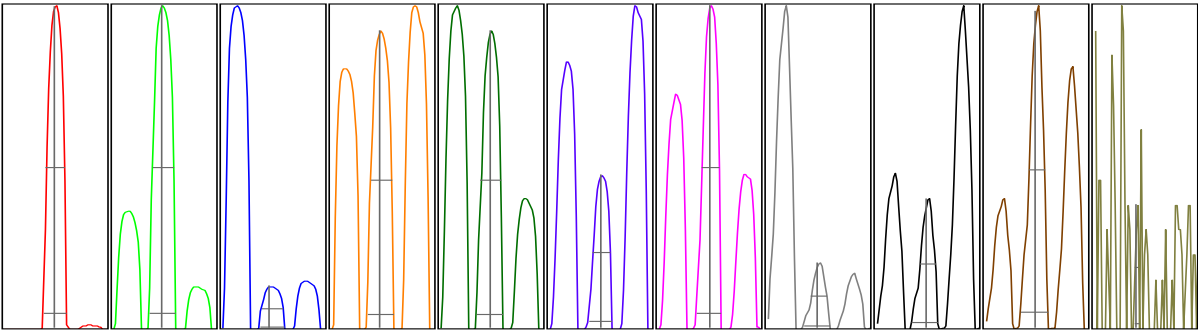
Batch Folder C:\Agilent\ICPMH\1\DATA\P7061921MSS .b  
Report Comment  
Instrument Name G8403A JP14410463

[No Gas]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) | RSD%<br>(Flag) |
|------|-----------------|------------------|--------------------|----------------|
| 9    | 5512            | 0.55             | 5.00               |                |
| 24   | 67220           | 0.41             | 5.00               |                |
| 25   | 8944            | 0.87             | 5.00               |                |
| 26   | 9974            | 0.49             | 5.00               |                |
| 59   | 14928           | 0.26             | 5.00               |                |
| 113  | 8871            | 0.58             | 5.00               |                |
| 115  | 25680           | 1.29             | 5.00               |                |
| 206  | 12802           | 0.65             | 5.00               |                |
| 207  | 10811           | 1.00             | 5.00               |                |
| 208  | 26773           | 0.62             | 5.00               |                |
| 220  | 0               | 58.33            |                    |                |

|      | Replicate 1 | Replicate 2 | Replicate 3 | Replicate 4 | Replicate 5 |
|------|-------------|-------------|-------------|-------------|-------------|
| Mass | Count       | Count       | Count       | Count       | Count       |
| 9    | 5565        | 5506        | 5496        | 5501        | 5491        |
| 24   | 67585       | 67076       | 67378       | 67197       | 66861       |
| 25   | 9051        | 8987        | 8919        | 8844        | 8921        |
| 26   | 10038       | 10001       | 9939        | 9978        | 9914        |
| 59   | 14982       | 14924       | 14936       | 14875       | 14924       |
| 113  | 8953        | 8841        | 8859        | 8883        | 8821        |
| 115  | 26159       | 25818       | 25669       | 25420       | 25332       |
| 206  | 12917       | 12761       | 12773       | 12853       | 12706       |
| 207  | 10907       | 10788       | 10869       | 10858       | 10634       |
| 208  | 26973       | 26735       | 26859       | 26769       | 26528       |
| 220  | 0           | 0           | 0           | 0           | 0           |

Integration Time [sec] = 0.1



| Mass | Peak<br>Height | Axis<br>(Actual) | Axis<br>(Required) | Axis<br>(Flag) | Width-X%<br>(Actual) | Width-X%<br>(Required) | Width-<br>X%<br>(Flag) |
|------|----------------|------------------|--------------------|----------------|----------------------|------------------------|------------------------|
| 9    | 10404          | 9.00             | 8.9 - 9.1          |                | 0.688                | 0.900                  |                        |
| 24   | 112088         | 23.95            | 23.9 - 24.1        |                | 0.776                | 0.900                  |                        |
| 25   | 14692          | 24.90            | 24.9 - 25.1        |                | 0.741                | 0.900                  |                        |
| 26   | 16842          | 25.95            | 25.9 - 26.1        |                | 0.780                | 0.900                  |                        |
| 59   | 26484          | 59.00            | 58.9 - 59.1        |                | 0.773                | 0.900                  |                        |
| 113  | 17067          | 113.05           | 112.9 - 113.1      |                | 0.693                | 0.900                  |                        |
| 115  | 49600          | 115.05           | 114.9 - 115.1      |                | 0.725                | 0.900                  |                        |
| 206  | 27010          | 206.00           | 205.9 - 206.1      |                | 0.781                | 0.900                  |                        |
| 207  | 22849          | 207.00           | 206.9 - 207.1      |                | 0.756                | 0.900                  |                        |
| 208  | 56007          | 208.00           | 207.9 - 208.1      |                | 0.800                | 0.900                  |                        |
| 220  | 0              | 219.75           | -                  |                | 0.144                |                        |                        |

X% = 5 Integration Time [sec] = 0.1 Acquisition Time [sec] = 256.8 Y Axis = Linear

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName       | Value | Unit         |
|---------------|-------|------|----------------|-------|-------|---------------------|-------|--------------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.68  | L/min | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.42 L/min   |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 10.2  | V    | Deflect       | 14.0  | V    |
| Extract 2     | -150.0 | V    | Cell Entrance | -30   | V    | Plate Bias    | -35   | V    |
| Omega Bias    | -80    | V    | Cell Exit     | -50   | V    |               |       |      |

## Cell Parameters ##

| ParameterName | Value | Unit   | ParameterName | Value | Unit | ParameterName         | Value | Unit  |
|---------------|-------|--------|---------------|-------|------|-----------------------|-------|-------|
| Use Gas       | No    |        | OctP Bias     | -8.0  | V    | Energy Discrimination |       | 5.0 V |
| He Flow       | 0.0   | mL/min | OctP RF       | 170   | V    |                       |       |       |

[He]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) |
|------|-----------------|------------------|--------------------|
| 59   | 5349            | 0.22             |                    |
| 89   | 36023           | 0.59             |                    |
| 205  | 46166           | 0.61             |                    |

|      | Replicate 1 | Replicate 2 | Replicate 3 | Replicate 4 | Replicate 5 |
|------|-------------|-------------|-------------|-------------|-------------|
| Mass | Count       | Count       | Count       | Count       | Count       |
| 59   | 5334        | 5364        | 5342        | 5352        | 5353        |
| 89   | 35759       | 36164       | 35831       | 36151       | 36211       |
| 205  | 45939       | 45981       | 45974       | 46388       | 46549       |

Integration Time [sec] = 0.1

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName       | Value | Unit         |
|---------------|-------|------|----------------|-------|-------|---------------------|-------|--------------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.68  | L/min | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.42 L/min   |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 10.7  | V    | Deflect       | 2.0   | V    |
| Extract 2     | -160.0 | V    | Cell Entrance | -40   | V    | Plate Bias    | -60   | V    |
| Omega Bias    | -95    | V    | Cell Exit     | -60   | V    |               |       |      |

## Cell Parameters ##

| ParameterName | Value | Unit   | ParameterName | Value | Unit | ParameterName         | Value | Unit  |
|---------------|-------|--------|---------------|-------|------|-----------------------|-------|-------|
| Use Gas       | Yes   |        | OctP Bias     | -18.0 | V    | Energy Discrimination |       | 5.0 V |
| He Flow       | 3.9   | mL/min | OctP RF       | 200   | V    |                       |       |       |