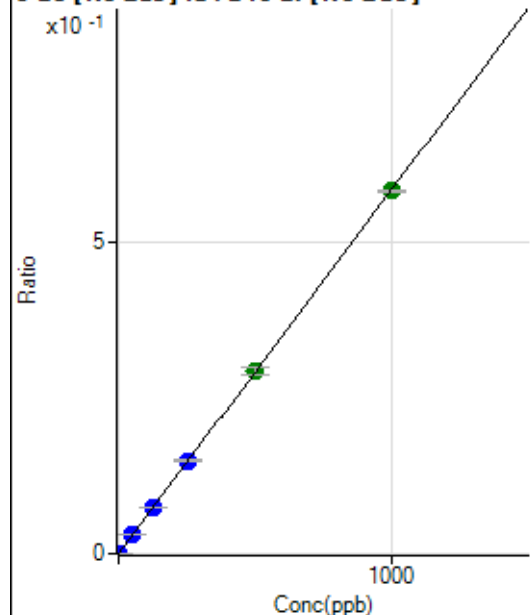


Calibration for 003CALB.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7101822-MS.b\  
 Analysis File: P7101822-MS.batch.bin  
 DA Date-Time: 2022-10-18 16:15:38  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2022-10-18 13:19:12 |
| 2     | 005CALS.d          | S02         | 2022-10-18 13:22:03 |
| 3     | 006CALS.d          | S03         | 2022-10-18 13:24:57 |
| 4     | 007CALS.d          | S04         | 2022-10-18 13:27:40 |
| 5     | 008CALS.d          | S05         | 2022-10-18 13:30:26 |
| 6     | 009CALS.d          | S06         | 2022-10-18 13:33:10 |
| 7     | 010CALS.d          | S07         | 2022-10-18 13:35:57 |
| 8     | 011CALS.d          | S08         | 2022-10-18 13:38:41 |

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      | 182.22     | 0.0000 | P   | 14.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.998      | 2951.42    | 0.0006 | P   | 7.0  |
| 3 | <input type="checkbox"/> | 50.000   | 51.014     | 140206.24  | 0.0298 | P   | 1.8  |
| 4 | <input type="checkbox"/> | 125.000  | 128.046    | 347185.46  | 0.0747 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 250.000  | 254.298    | 682586.43  | 0.1482 | P   | 2.5  |
| 6 | <input type="checkbox"/> | 500.000  | 502.219    | 1332624.80 | 0.2927 | A   | 3.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.384    | 2509185.67 | 0.5812 | A   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 1063.38    | 0.0003 | P   | 5.5  |

$$y = 5.8271\text{E-}004 * x + 3.8460\text{E-}005$$

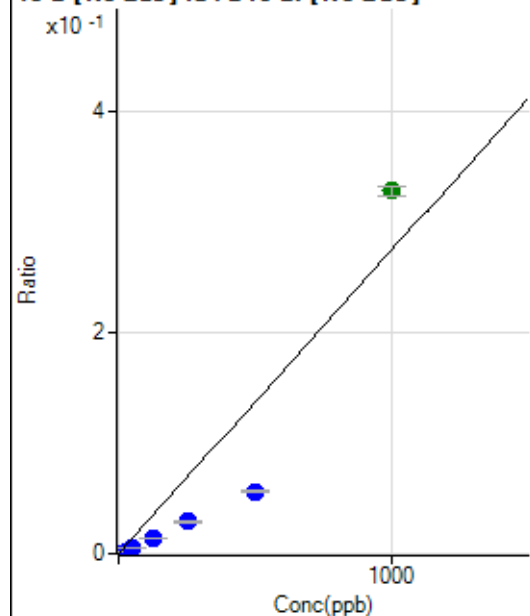
$$R = 1.0000$$

$$DL = 0.02896$$

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      | 661.14     | 0.0001 | P   | 7.6  |
| 2 | <input type="checkbox"/> | 25.000   | 6.339      | 8952.83    | 0.0019 | P   | 3.8  |
| 3 | <input type="checkbox"/> | 50.000   | 20.938     | 27772.57   | 0.0059 | P   | 4.6  |
| 4 | <input type="checkbox"/> | 125.000  | 51.998     | 67129.52   | 0.0144 | P   | 3.5  |
| 5 | <input type="checkbox"/> | 250.000  | 105.064    | 133616.13  | 0.0290 | P   | 6.1  |
| 6 | <input type="checkbox"/> | 500.000  | 205.023    | 257252.96  | 0.0565 | P   | 5.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 1194.768   | 1418893.63 | 0.3287 | A   | 2.8  |
| 8 | <input type="checkbox"/> |          |            | 26119.86   | 0.0065 | P   | 12.7 |

$$y = 2.7496\text{E-}004 * x + 1.3956\text{E-}004$$

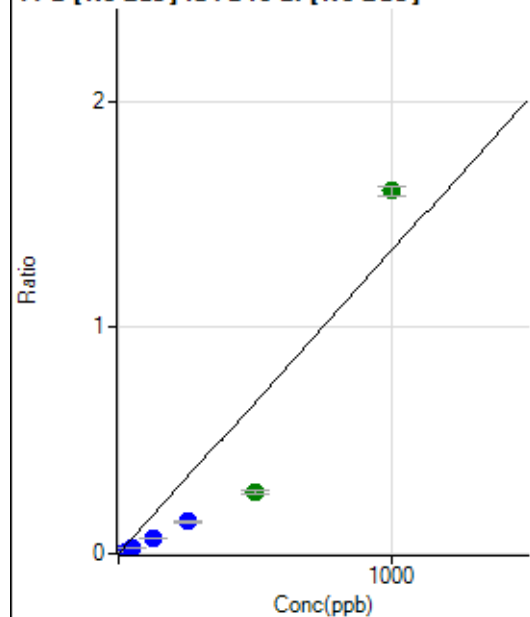
$$R = 0.9451$$

$$DL = 0.1161$$

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      | 3508.82    | 0.0007 | P    | 3.4 |
| 2 | <input type="checkbox"/> | 25.000   | 6.338      | 43843.38   | 0.0092 | P    | 5.6 |
| 3 | <input type="checkbox"/> | 50.000   | 20.901     | 135194.31  | 0.0287 | P    | 5.9 |
| 4 | <input type="checkbox"/> | 125.000  | 51.917     | 326431.87  | 0.0702 | P    | 3.6 |
| 5 | <input type="checkbox"/> | 250.000  | 104.845    | 649239.06  | 0.1410 | P    | 4.3 |
| 6 | <input type="checkbox"/> | 500.000  | 200.322    | 1223473.91 | 0.2688 | A    | 6.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 1197.184   | 6918321.85 | 1.6025 | A    | 2.9 |
| 8 | <input type="checkbox"/> |          |            | 121940.67  | 0.0304 | P    | 8.2 |

$$y = 0.0013 * x + 7.4058E-004$$

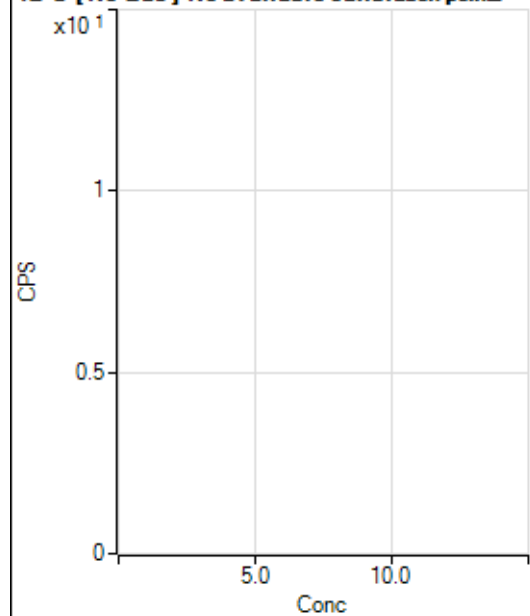
$$R = 0.9438$$

$$DL = 0.05689$$

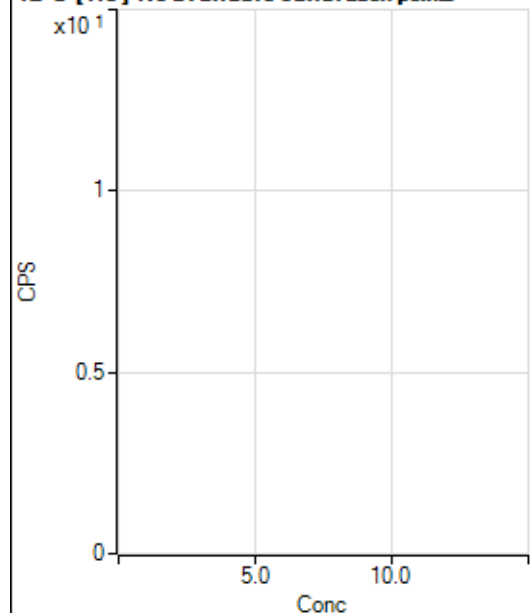
Weight: &lt;None&gt;

Min Conc: 0

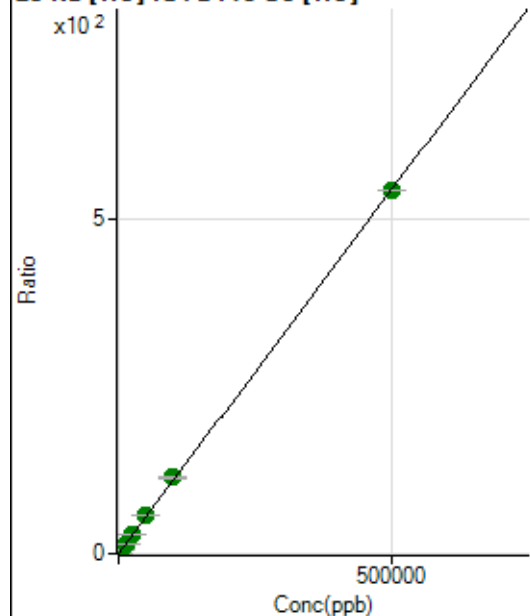
12 C [No Gas] No available calibration points



|   | 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 | 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 | RSD |
|---|--------------------------|-----------|------------|--------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 39905.57     | 0.0481   | P   | 0.5 |
| 2 | <input type="checkbox"/> | 500.000   | 491.504    | 486873.96    | 0.5821   | P   | 0.5 |
| 3 | <input type="checkbox"/> | 5000.000  | 5245.452   | 4790213.24   | 5.7467   | A   | 1.5 |
| 4 | <input type="checkbox"/> | 12500.000 | 13227.603  | 11772693.32  | 14.4184  | A   | 1.8 |
| 5 | <input type="checkbox"/> | 25000.000 | 26535.161  | 23248197.97  | 28.8755  | A   | 1.1 |
| 6 | <input type="checkbox"/> | 50000.000 | 52766.095  | 45578944.54  | 57.3724  | A   | 0.2 |
| 7 | <input type="checkbox"/> | 100000.00 | 104737.30  | 90746400.18  | 113.8332 | A   | 0.9 |
| 8 | <input type="checkbox"/> | 500000.00 | 498678.53  | 428400613.28 | 541.8052 | A   | 0.0 |

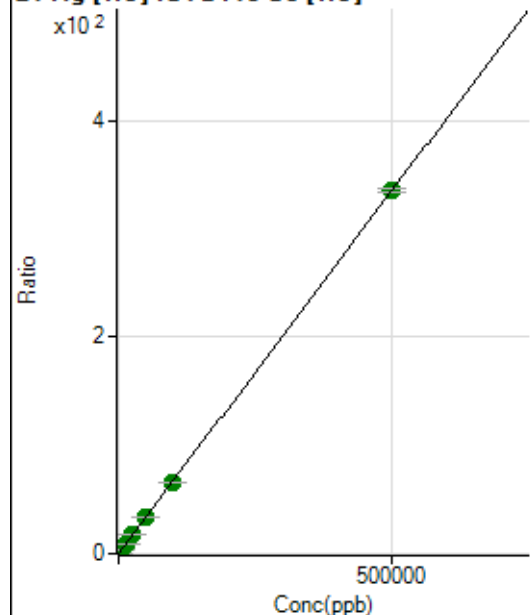
$$y = 0.0011 * x + 0.0481$$

$$R = 0.9999$$

$$DL = 0.6563$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS          | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|--------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 759.29       | 0.0009   | P   | 4.3 |
| 2 | <input type="checkbox"/> | 500.000   | 485.202    | 272449.39    | 0.3257   | P   | 0.5 |
| 3 | <input type="checkbox"/> | 5000.000  | 5098.307   | 2845667.14   | 3.4137   | A   | 1.0 |
| 4 | <input type="checkbox"/> | 12500.000 | 12682.637  | 6932800.79   | 8.4907   | A   | 0.7 |
| 5 | <input type="checkbox"/> | 25000.000 | 25451.167  | 13717893.01  | 17.0380  | A   | 0.8 |
| 6 | <input type="checkbox"/> | 50000.000 | 50427.716  | 26817475.60  | 33.7573  | A   | 0.6 |
| 7 | <input type="checkbox"/> | 100000.00 | 97926.625  | 52258689.13  | 65.5532  | A   | 0.6 |
| 8 | <input type="checkbox"/> | 500000.00 | 500343.81  | 264820024.44 | 334.9321 | A   | 0.9 |

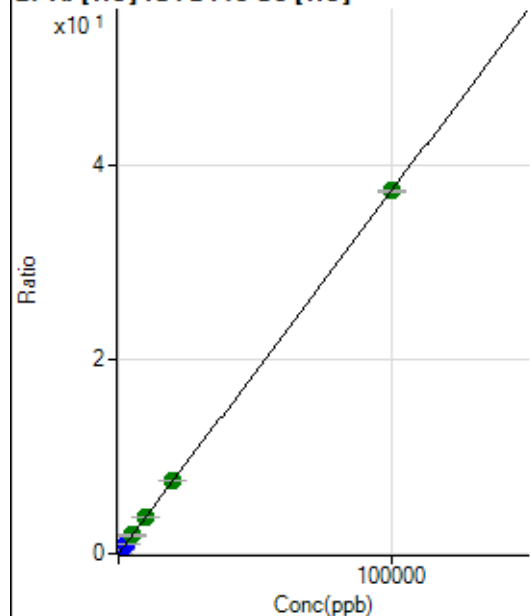
$$y = 6.6940E-004 * x + 9.1527E-004$$

$$R = 1.0000$$

$$DL = 0.1764$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 157.41      | 0.0002  | P   | 13.5 |
| 2 | <input type="checkbox"/> | 20.000    | 20.676     | 6618.19     | 0.0079  | P   | 1.4  |
| 3 | <input type="checkbox"/> | 1000.000  | 1012.762   | 315469.67   | 0.3785  | P   | 1.4  |
| 4 | <input type="checkbox"/> | 2500.000  | 2492.366   | 760266.33   | 0.9311  | P   | 0.8  |
| 5 | <input type="checkbox"/> | 5000.000  | 5038.509   | 1515333.83  | 1.8821  | A   | 0.6  |
| 6 | <input type="checkbox"/> | 10000.000 | 9936.620   | 2948549.25  | 3.7116  | A   | 0.6  |
| 7 | <input type="checkbox"/> | 20000.000 | 20072.548  | 5976830.34  | 7.4974  | A   | 0.8  |
| 8 | <input type="checkbox"/> | 100000.00 | 99989.966  | 29530133.76 | 37.3471 | A   | 0.2  |

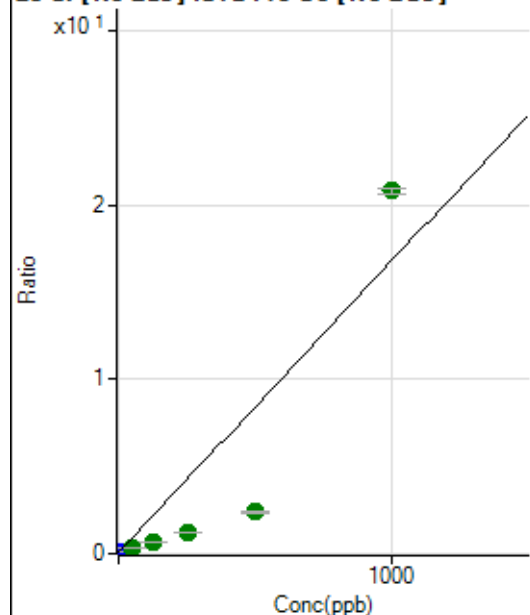
$$y = 3.7351E-004 * x + 1.8976E-004$$

$$R = 1.0000$$

$$DL = 0.2053$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS          | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|--------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 730536.61    | 0.0668  | P   | 1.8 |
| 2 | <input type="checkbox"/> | 10.000   | 0.526      | 823481.26    | 0.0756  | P   | 0.3 |
| 3 | <input type="checkbox"/> | 50.000   | 14.524     | 3361551.42   | 0.3103  | A   | 0.7 |
| 4 | <input type="checkbox"/> | 125.000  | 34.339     | 6865038.09   | 0.6426  | A   | 1.1 |
| 5 | <input type="checkbox"/> | 250.000  | 68.002     | 12586208.18  | 1.2071  | A   | 2.7 |
| 6 | <input type="checkbox"/> | 500.000  | 138.935    | 25181966.36  | 2.3965  | A   | 3.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 1239.233   | 219429060.46 | 20.8465 | A   | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 2233539.96   | 0.2261  | A   | 6.8 |

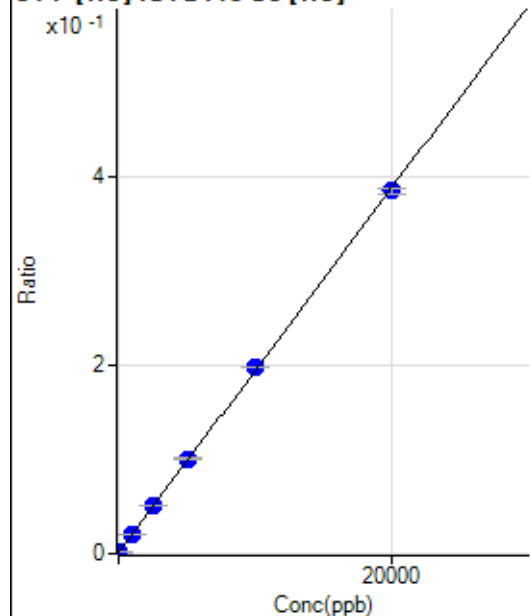
$$y = 0.0168 * x + 0.0668$$

$$R = 0.9229$$

$$DL = 0.211$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | -10.056    | 697.26    | 0.0008 | P   | 11.4 |
| 2 | <input type="checkbox"/> | 0.000     | 10.056     | 1027.84   | 0.0012 | P   | 8.8  |
| 3 | <input type="checkbox"/> | 1000.000  | 1020.034   | 17279.51  | 0.0207 | P   | 2.5  |
| 4 | <input type="checkbox"/> | 2500.000  | 2556.294   | 41147.63  | 0.0504 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 5000.000  | 5154.925   | 80969.92  | 0.1006 | P   | 2.6  |
| 6 | <input type="checkbox"/> | 10000.000 | 10201.939  | 157317.02 | 0.1980 | P   | 0.6  |
| 7 | <input type="checkbox"/> | 20000.000 | 19852.261  | 306429.34 | 0.3844 | P   | 1.3  |
| 8 | <input type="checkbox"/> |           |            | 847.27    | 0.0011 | P   | 8.2  |

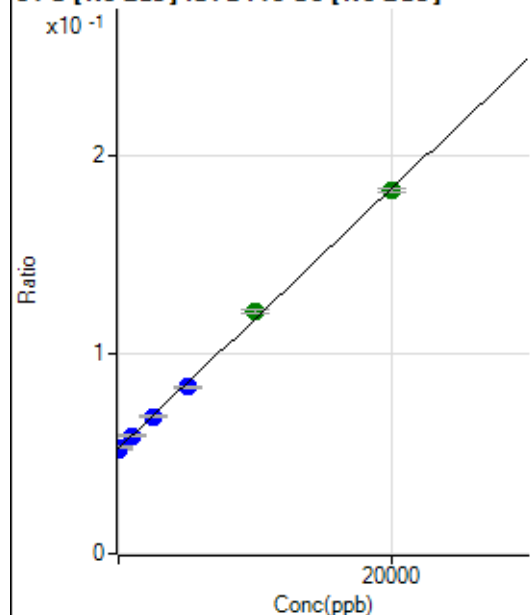
$$y = 1.9309E-005 * x + 0.0010$$

$$R = 0.9999$$

$$DL = 15.84$$

Weight: &lt;None&gt;

Min Conc: 0

**34 S [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     | -90.660    | 572304.29  | 0.0523 | P   | 0.6 |
| 2 | <input type="checkbox"/> | 0.000     | 90.660     | 582725.04  | 0.0535 | P   | 0.8 |
| 3 | <input type="checkbox"/> | 1000.000  | 991.409    | 643286.75  | 0.0594 | P   | 0.6 |
| 4 | <input type="checkbox"/> | 2500.000  | 2424.322   | 734354.10  | 0.0687 | P   | 1.2 |
| 5 | <input type="checkbox"/> | 5000.000  | 4708.518   | 872455.10  | 0.0837 | P   | 1.0 |
| 6 | <input type="checkbox"/> | 10000.000 | 10542.307  | 1279493.72 | 0.1217 | A   | 1.3 |
| 7 | <input type="checkbox"/> | 20000.000 | 19811.606  | 1918512.26 | 0.1823 | A   | 0.9 |
| 8 | <input type="checkbox"/> |           |            | 484346.01  | 0.0492 | P   | 2.0 |

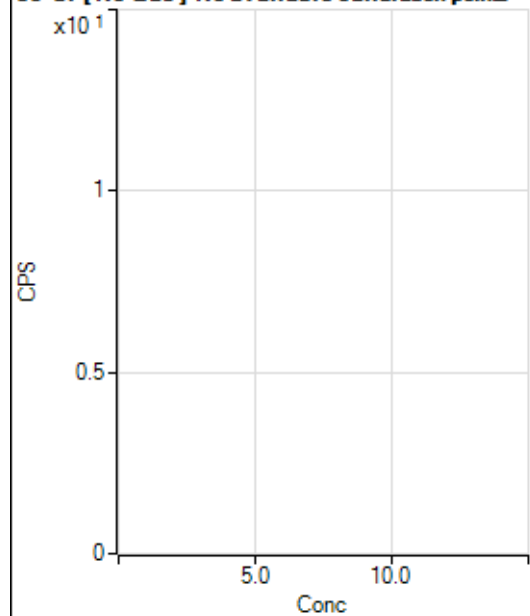
$$y = 6.5287\text{E-}006 * x + 0.0529$$

R = 0.9993

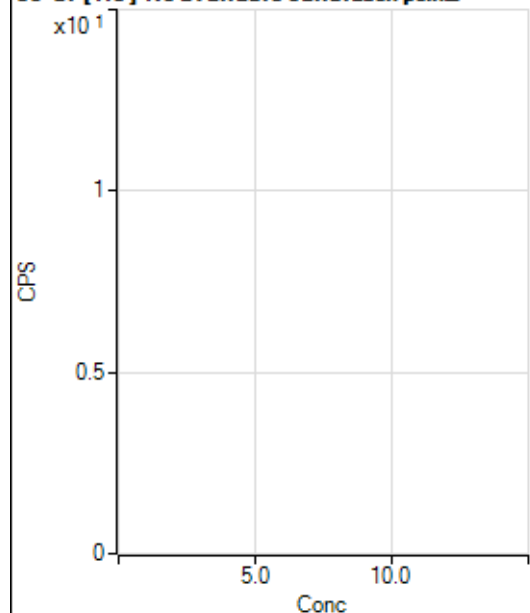
DL = 160.5

Weight: &lt;None&gt;

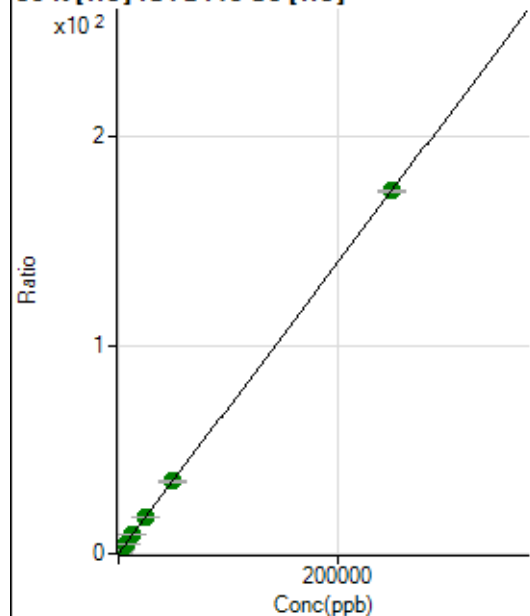
Min Conc: 0

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

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

**35 Cl [He] 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"/> |       |            |     |       |     |     |

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS          | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|--------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 106993.93    | 0.1290   | P   | 0.8 |
| 2 | <input type="checkbox"/> | 500.000   | 501.117    | 399736.53    | 0.4779   | P   | 1.3 |
| 3 | <input type="checkbox"/> | 2500.000  | 2550.312   | 1587813.71   | 1.9048   | A   | 0.7 |
| 4 | <input type="checkbox"/> | 6250.000  | 6278.322   | 3674782.63   | 4.5006   | A   | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12579.089  | 7155809.19   | 8.8878   | A   | 1.2 |
| 6 | <input type="checkbox"/> | 25000.000 | 25118.606  | 13997494.59  | 17.6191  | A   | 0.9 |
| 7 | <input type="checkbox"/> | 50000.000 | 49727.448  | 27706063.47  | 34.7543  | A   | 1.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 250037.48  | 137761400.30 | 174.2305 | A   | 0.3 |

$$y = 6.9630E-004 * x + 0.1290$$

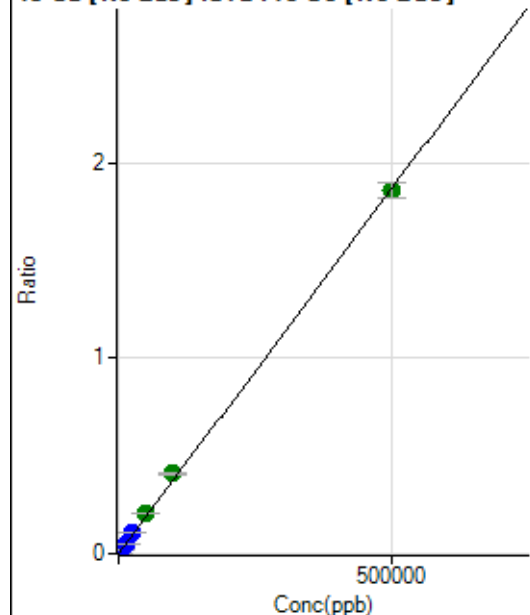
$$R = 1.0000$$

$$DL = 4.549$$

Weight: &lt;None&gt;

Min Conc: 0



**43 Ca [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      | 227.79      | 0.0000 | P   | 28.9 |
| 2 | <input type="checkbox"/> | 500.000   | 461.142    | 18962.26    | 0.0017 | P   | 2.0  |
| 3 | <input type="checkbox"/> | 5000.000  | 5760.192   | 232971.40   | 0.0215 | P   | 0.7  |
| 4 | <input type="checkbox"/> | 12500.000 | 14273.055  | 569017.43   | 0.0533 | P   | 1.2  |
| 5 | <input type="checkbox"/> | 25000.000 | 28651.298  | 1114666.63  | 0.1069 | P   | 2.3  |
| 6 | <input type="checkbox"/> | 50000.000 | 54781.599  | 2147659.18  | 0.2044 | A   | 1.7  |
| 7 | <input type="checkbox"/> | 100000.00 | 109806.78  | 4312040.55  | 0.4096 | A   | 1.0  |
| 8 | <input type="checkbox"/> | 500000.00 | 497326.02  | 18264412.73 | 1.8552 | A   | 4.2  |

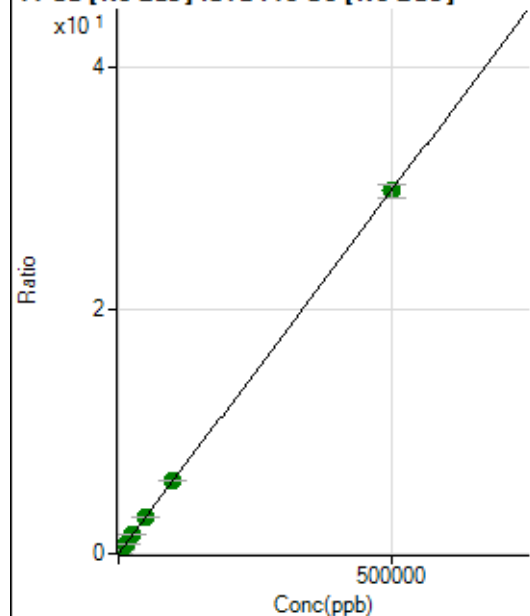
$$y = 3.7302\text{E-}006 * x + 2.0869\text{E-}005$$

$$R = 0.9998$$

$$DL = 4.855$$

Weight: &lt;None&gt;

Min Conc: 0

**44 Ca [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      | 11924.83     | 0.0011  | P   | 2.1 |
| 2 | <input type="checkbox"/> | 500.000   | 464.656    | 313510.03    | 0.0288  | P   | 1.4 |
| 3 | <input type="checkbox"/> | 5000.000  | 5150.203   | 3336946.13   | 0.3081  | A   | 0.9 |
| 4 | <input type="checkbox"/> | 12500.000 | 12887.876  | 8218218.50   | 0.7693  | A   | 0.8 |
| 5 | <input type="checkbox"/> | 25000.000 | 25642.336  | 15950617.55  | 1.5295  | A   | 1.3 |
| 6 | <input type="checkbox"/> | 50000.000 | 50464.590  | 31620440.98  | 3.0090  | A   | 1.8 |
| 7 | <input type="checkbox"/> | 100000.00 | 101370.05  | 63613227.81  | 6.0432  | A   | 0.7 |
| 8 | <input type="checkbox"/> | 500000.00 | 499636.25  | 293215989.89 | 29.7815 | A   | 4.0 |

$$y = 5.9604\text{E-}005 * x + 0.0011$$

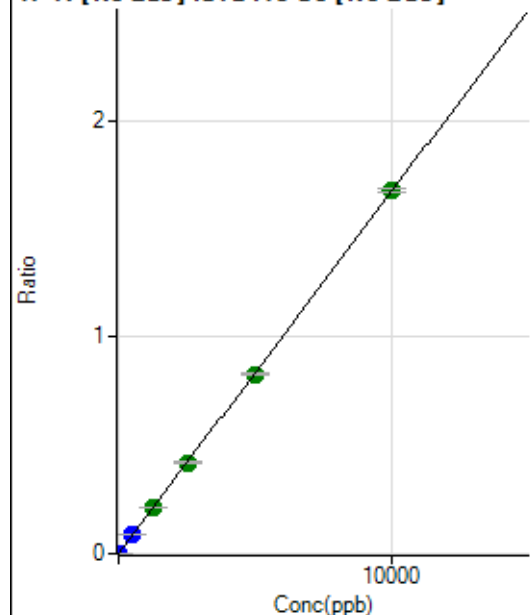
$$R = 1.0000$$

$$DL = 1.178$$

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      | 200.01      | 0.0000 | P   | 22.8 |
| 2 | <input type="checkbox"/> | 5.000     | 4.658      | 8674.92     | 0.0008 | P   | 1.9  |
| 3 | <input type="checkbox"/> | 500.000   | 509.711    | 922622.72   | 0.0852 | P   | 1.4  |
| 4 | <input type="checkbox"/> | 1250.000  | 1250.884   | 2232835.70  | 0.2090 | A   | 0.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2510.602   | 4374309.60  | 0.4195 | A   | 1.9  |
| 6 | <input type="checkbox"/> | 5000.000  | 4958.153   | 8705452.37  | 0.8284 | A   | 1.4  |
| 7 | <input type="checkbox"/> | 10000.000 | 10017.677  | 17617492.93 | 1.6737 | A   | 1.0  |
| 8 | <input type="checkbox"/> |           |            | 3906.18     | 0.0004 | P   | 19.4 |

$$y = 1.6707E-004 * x + 1.8306E-005$$

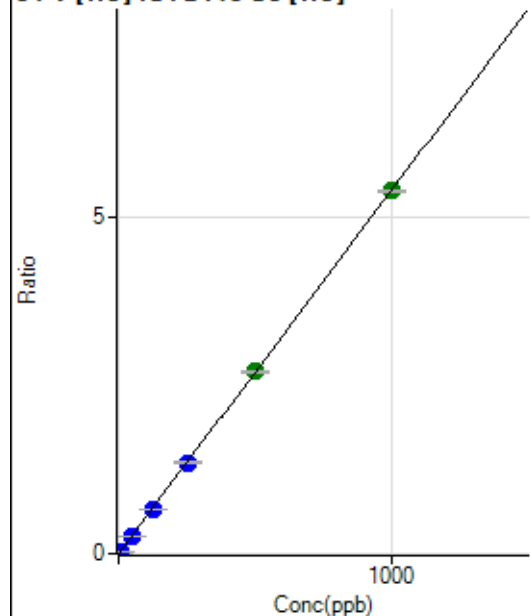
$$R = 1.0000$$

$$DL = 0.07481$$

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      | 8.89       | 0.0000 | P   | 21.4 |
| 2 | <input type="checkbox"/> | 5.000    | 4.744      | 21466.46   | 0.0257 | P   | 0.5  |
| 3 | <input type="checkbox"/> | 50.000   | 49.898     | 224908.09  | 0.2698 | P   | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 123.959    | 547279.20  | 0.6703 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 250.000  | 251.035    | 1092860.85 | 1.3574 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 502.363    | 2157990.47 | 2.7163 | A   | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.697    | 4304972.44 | 5.4000 | A   | 0.2  |
| 8 | <input type="checkbox"/> |          |            | 2040.16    | 0.0026 | P   | 4.5  |

$$y = 0.0054 * x + 1.0711E-005$$

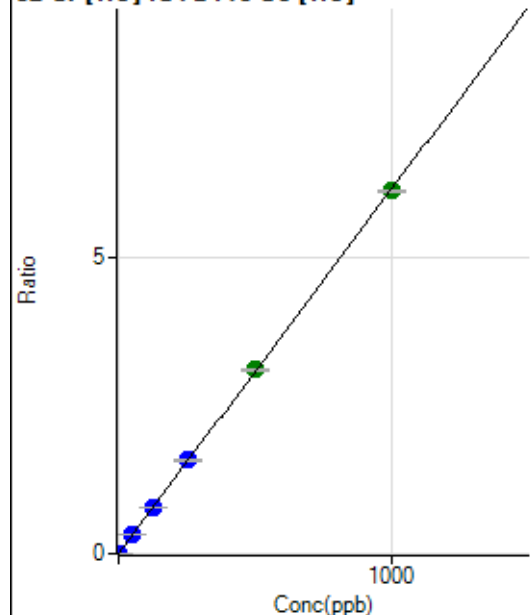
$$R = 1.0000$$

$$DL = 0.001272$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1593.44    | 0.0019 | P   | 2.9 |
| 2 | <input type="checkbox"/> | 2.000    | 1.906      | 11438.87   | 0.0137 | P   | 0.6 |
| 3 | <input type="checkbox"/> | 50.000   | 50.965     | 263634.33  | 0.3163 | P   | 0.6 |
| 4 | <input type="checkbox"/> | 125.000  | 126.529    | 638791.74  | 0.7823 | P   | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 255.674    | 1271219.92 | 1.5789 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 505.770    | 2479927.64 | 3.1215 | A   | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 995.457    | 4896516.11 | 6.1418 | A   | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 35108.61   | 0.0444 | P   | 0.9 |

$$y = 0.0062 * x + 0.0019$$

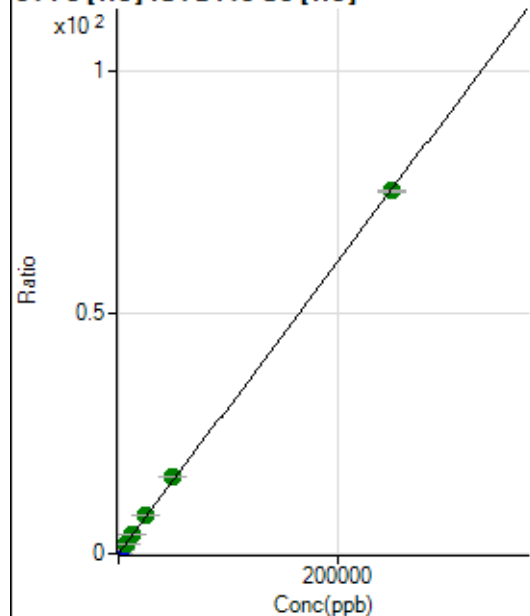
$$R = 1.0000$$

$$DL = 0.02718$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1978.84     | 0.0024  | P   | 0.6 |
| 2 | <input type="checkbox"/> | 50.000    | 53.200     | 15433.83    | 0.0185  | P   | 3.0 |
| 3 | <input type="checkbox"/> | 2500.000  | 2780.153   | 701817.29   | 0.8419  | P   | 0.6 |
| 4 | <input type="checkbox"/> | 6250.000  | 6600.802   | 1629468.37  | 1.9956  | A   | 0.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 13429.709  | 3267018.28  | 4.0578  | A   | 1.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 26625.783  | 6389160.34  | 8.0426  | A   | 0.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 52863.586  | 12728209.64 | 15.9657 | A   | 0.4 |
| 8 | <input type="checkbox"/> | 250000.00 | 249206.64  | 59503478.05 | 75.2560 | A   | 0.5 |

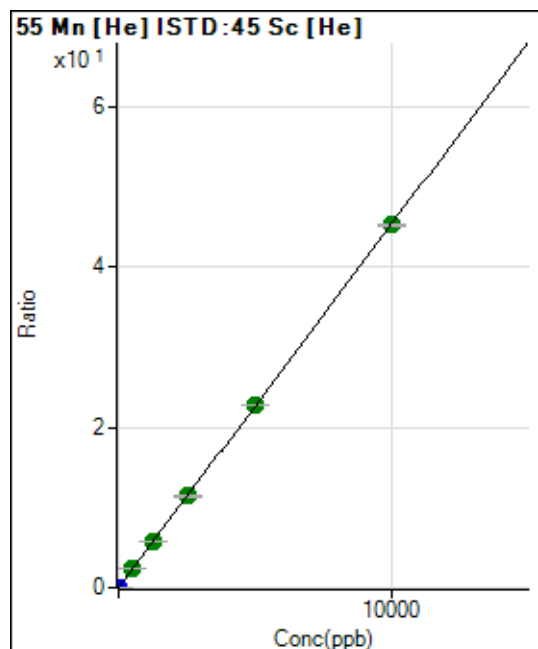
$$y = 3.0197E-004 * x + 0.0024$$

$$R = 0.9999$$

$$DL = 0.1342$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 484.46      | 0.0006  | P   | 8.2 |
| 2 | <input type="checkbox"/> | 1.000     | 1.002      | 4290.65     | 0.0051  | P   | 1.5 |
| 3 | <input type="checkbox"/> | 500.000   | 508.725    | 1923981.78  | 2.3080  | A   | 1.3 |
| 4 | <input type="checkbox"/> | 1250.000  | 1251.872   | 4636785.31  | 5.6787  | A   | 0.8 |
| 5 | <input type="checkbox"/> | 2500.000  | 2516.377   | 9189773.06  | 11.4141 | A   | 0.7 |
| 6 | <input type="checkbox"/> | 5000.000  | 5033.842   | 18139332.65 | 22.8326 | A   | 0.6 |
| 7 | <input type="checkbox"/> | 10000.000 | 9978.315   | 36081565.30 | 45.2592 | A   | 0.7 |
| 8 | <input type="checkbox"/> |           |            | 61010.81    | 0.0772  | P   | 1.0 |

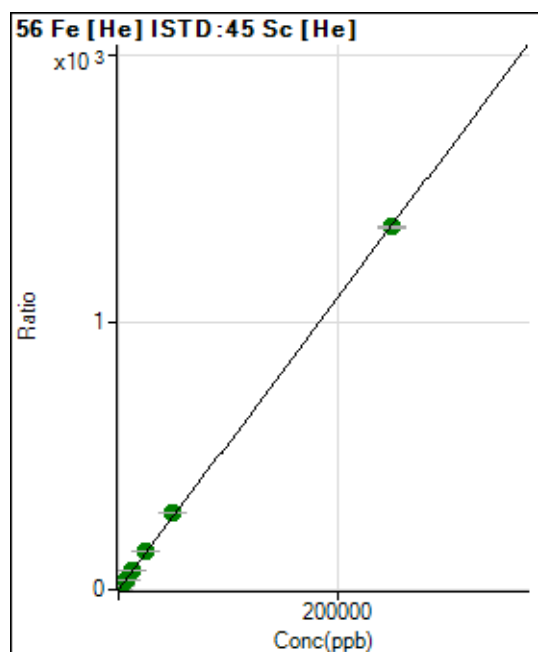
$$y = 0.0045 * x + 5.8401E-004$$

$$R = 1.0000$$

$$DL = 0.03176$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS          | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|--------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 15343.21     | 0.0185    | P   | 1.5 |
| 2 | <input type="checkbox"/> | 50.000    | 51.161     | 248418.65    | 0.2970    | P   | 0.6 |
| 3 | <input type="checkbox"/> | 2500.000  | 2678.022   | 12167064.62  | 14.5962   | A   | 0.5 |
| 4 | <input type="checkbox"/> | 6250.000  | 6597.222   | 29337835.61  | 35.9301   | A   | 1.0 |
| 5 | <input type="checkbox"/> | 12500.000 | 13352.179  | 58533576.31  | 72.7004   | A   | 0.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 26485.359  | 114549904.41 | 144.1902  | A   | 0.5 |
| 7 | <input type="checkbox"/> | 50000.000 | 52558.435  | 228088751.39 | 286.1176  | A   | 0.9 |
| 8 | <input type="checkbox"/> | 250000.00 | 249286.70  | 1072989157.3 | 1,356.997 | A   | 0.7 |

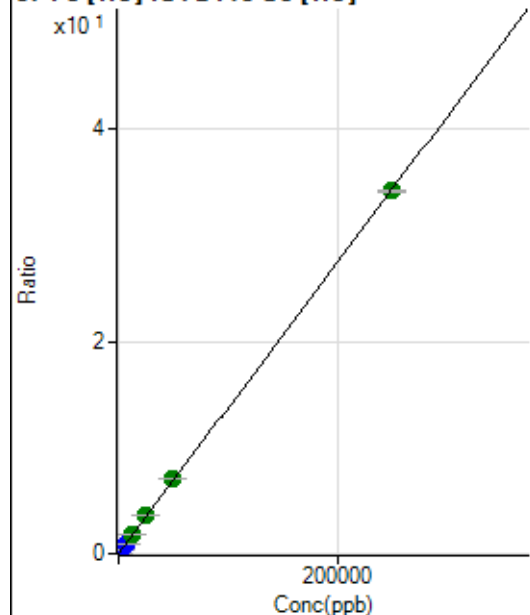
$$y = 0.0054 * x + 0.0185$$

$$R = 0.9999$$

$$DL = 0.1544$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 742.62      | 0.0009  | P    | 6.8 |
| 2 | <input type="checkbox"/> | 50.000    | 51.782     | 6686.77     | 0.0080  | P    | 1.9 |
| 3 | <input type="checkbox"/> | 2500.000  | 2685.623   | 307669.28   | 0.3691  | P    | 1.0 |
| 4 | <input type="checkbox"/> | 6250.000  | 6716.887   | 752636.21   | 0.9218  | P    | 0.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 13161.451  | 1453474.77  | 1.8053  | A    | 1.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 26174.524  | 2851447.78  | 3.5894  | A    | 1.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 51846.059  | 5667069.69  | 7.1089  | A    | 1.0 |
| 8 | <input type="checkbox"/> | 250000.00 | 249466.73  | 27043440.88 | 34.2025 | A    | 0.3 |

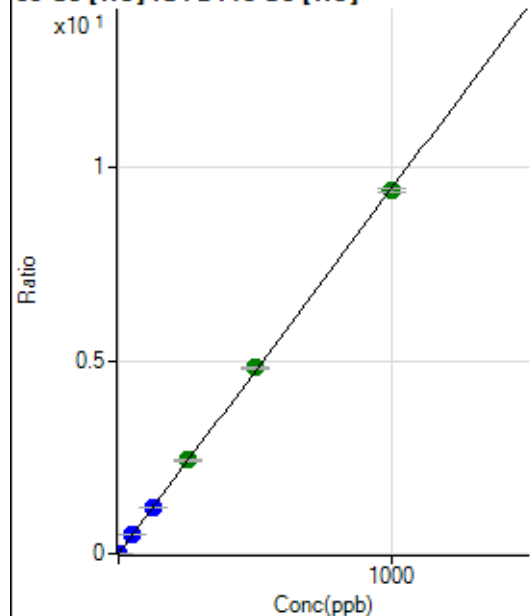
$$y = 1.3710E-004 * x + 8.9500E-004$$

$$R = 1.0000$$

$$DL = 1.334$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 93.33      | 0.0001 | P    | 22.3 |
| 2 | <input type="checkbox"/> | 1.000    | 1.006      | 8057.78    | 0.0096 | P    | 1.9  |
| 3 | <input type="checkbox"/> | 50.000   | 51.471     | 406198.45  | 0.4873 | P    | 0.5  |
| 4 | <input type="checkbox"/> | 125.000  | 127.006    | 981655.53  | 1.2023 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 250.000  | 256.003    | 1951000.06 | 2.4233 | A    | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 508.462    | 3823452.79 | 4.8128 | A    | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 993.944    | 7499969.96 | 9.4081 | A    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 19049.97   | 0.0241 | P    | 0.6  |

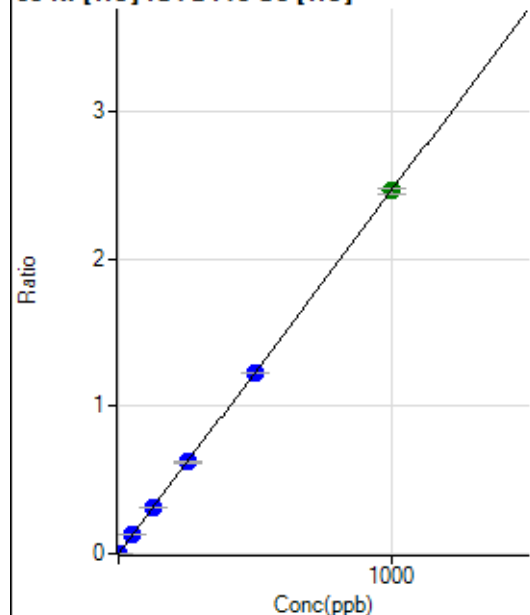
$$y = 0.0095 * x + 1.1250E-004$$

$$R = 0.9999$$

$$DL = 0.007949$$

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      | 186.67     | 0.0002 | P   | 27.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.992      | 2235.74    | 0.0027 | P   | 1.0  |
| 3 | <input type="checkbox"/> | 50.000   | 51.602     | 106282.19  | 0.1275 | P   | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 126.879    | 255704.18  | 0.3132 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 252.951    | 502488.24  | 0.6241 | P   | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 498.933    | 977805.22  | 1.2308 | P   | 0.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.481    | 1965599.45 | 2.4654 | A   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 11457.77   | 0.0145 | P   | 2.1  |

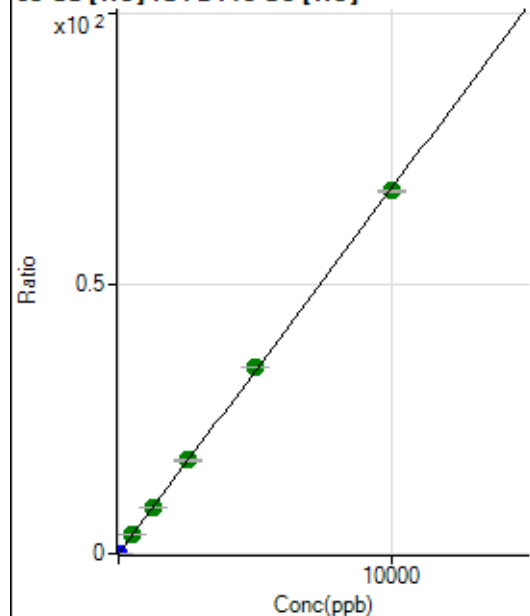
$$y = 0.0025 * x + 2.2510E-004$$

$$R = 1.0000$$

$$DL = 0.07447$$

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      | 1418.97     | 0.0017  | P   | 4.1 |
| 2 | <input type="checkbox"/> | 2.000     | 1.999      | 12734.38    | 0.0152  | P   | 1.5 |
| 3 | <input type="checkbox"/> | 500.000   | 526.527    | 2969090.27  | 3.5618  | A   | 0.6 |
| 4 | <input type="checkbox"/> | 1250.000  | 1283.875   | 7089552.53  | 8.6827  | A   | 0.3 |
| 5 | <input type="checkbox"/> | 2500.000  | 2561.429   | 13945495.77 | 17.3209 | A   | 1.0 |
| 6 | <input type="checkbox"/> | 5000.000  | 5092.071   | 27354111.26 | 34.4319 | A   | 0.3 |
| 7 | <input type="checkbox"/> | 10000.000 | 9933.046   | 53546184.76 | 67.1644 | A   | 0.4 |
| 8 | <input type="checkbox"/> |           |            | 31006.55    | 0.0392  | P   | 0.6 |

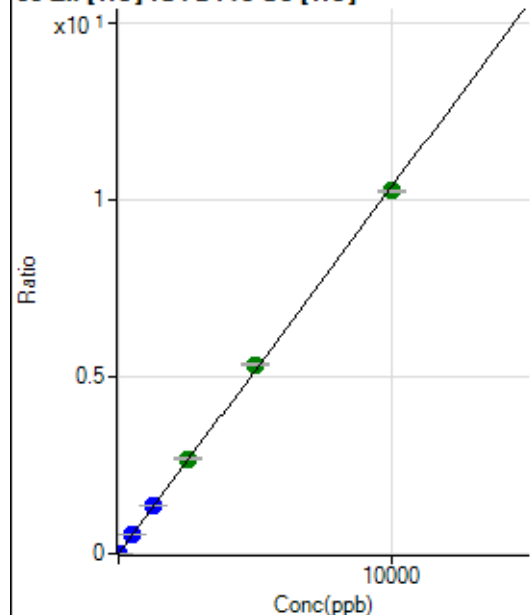
$$y = 0.0068 * x + 0.0017$$

$$R = 0.9999$$

$$DL = 0.03093$$

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      | 1503.42    | 0.0018  | P    | 2.5 |
| 2 | <input type="checkbox"/> | 2.000     | 2.467      | 3652.71    | 0.0044  | P    | 5.2 |
| 3 | <input type="checkbox"/> | 500.000   | 527.199    | 456631.52  | 0.5478  | P    | 0.8 |
| 4 | <input type="checkbox"/> | 1250.000  | 1292.629   | 1094524.68 | 1.3405  | P    | 0.4 |
| 5 | <input type="checkbox"/> | 2500.000  | 2592.224   | 2162885.65 | 2.6864  | A    | 1.6 |
| 6 | <input type="checkbox"/> | 5000.000  | 5152.406   | 4240395.94 | 5.3378  | A    | 1.3 |
| 7 | <input type="checkbox"/> | 10000.000 | 9894.053   | 8170552.24 | 10.2484 | A    | 0.8 |
| 8 | <input type="checkbox"/> |           |            | 14035.57   | 0.0178  | P    | 0.8 |

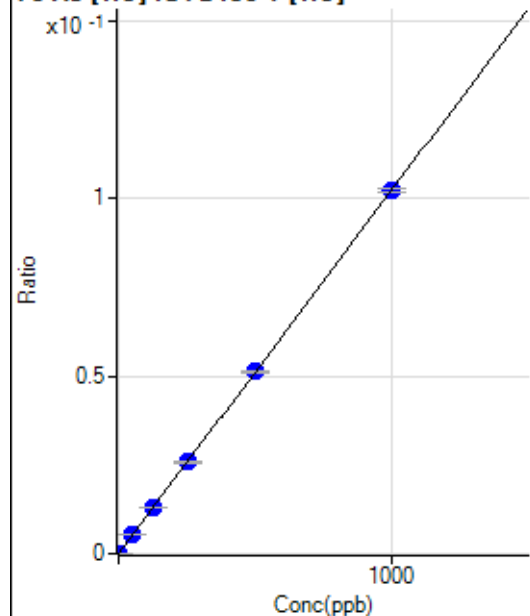
$$y = 0.0010 * x + 0.0018$$

$$R = 0.9998$$

$$DL = 0.1305$$

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      | 3.09      | 0.0000 | P    | 69.4 |
| 2 | <input type="checkbox"/> | 1.000    | 1.017      | 584.58    | 0.0001 | P    | 3.1  |
| 3 | <input type="checkbox"/> | 50.000   | 51.267     | 28919.43  | 0.0052 | P    | 0.9  |
| 4 | <input type="checkbox"/> | 125.000  | 126.500    | 70424.19  | 0.0129 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 252.564    | 139955.00 | 0.0258 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 501.033    | 276216.31 | 0.0513 | P    | 1.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.592    | 553109.05 | 0.1021 | P    | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 451.86    | 0.0001 | P    | 6.0  |

$$y = 1.0229E-004 * x + 5.5406E-007$$

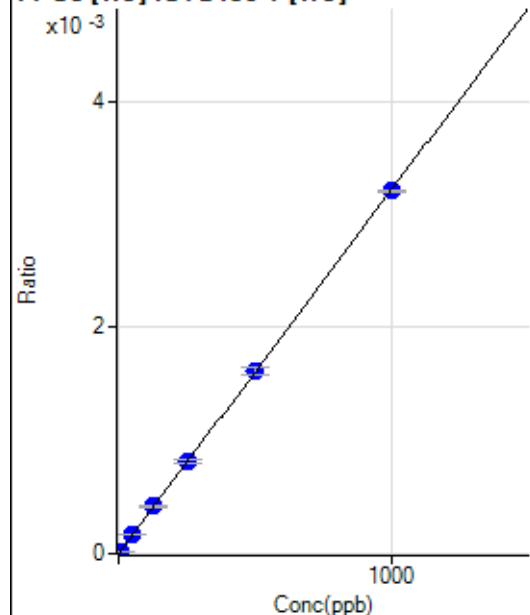
$$R = 1.0000$$

$$DL = 0.01127$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00     | 0.0000 | P   |      |
| 2 | <input type="checkbox"/> | 5.000    | 4.637      | 83.33    | 0.0000 | P   | 24.1 |
| 3 | <input type="checkbox"/> | 50.000   | 51.386     | 911.15   | 0.0002 | P   | 2.4  |
| 4 | <input type="checkbox"/> | 125.000  | 130.355    | 2281.32  | 0.0004 | P   | 3.6  |
| 5 | <input type="checkbox"/> | 250.000  | 254.220    | 4429.59  | 0.0008 | P   | 4.7  |
| 6 | <input type="checkbox"/> | 500.000  | 501.986    | 8698.17  | 0.0016 | P   | 3.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 997.215    | 17364.71 | 0.0032 | P   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 7.78     | 0.0000 | P   | 99.8 |

$$y = 3.2156\text{E-}006 * x + 0.0000\text{E}+000$$

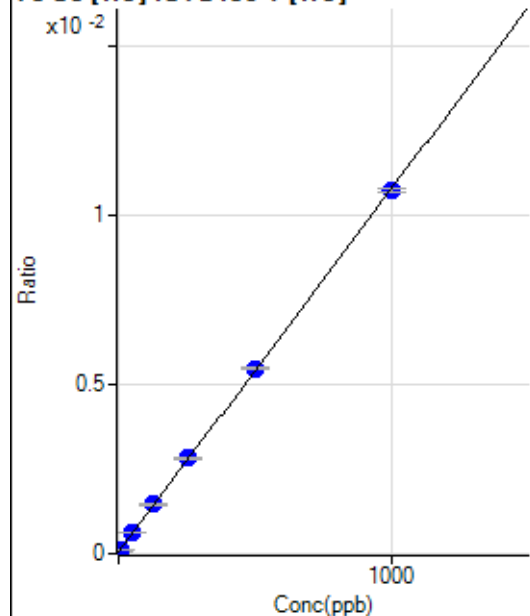
$$R = 1.0000$$

$$DL = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 279.63   | 0.0001 | P   | 6.0 |
| 2 | <input type="checkbox"/> | 5.000    | 4.726      | 564.21   | 0.0001 | P   | 7.6 |
| 3 | <input type="checkbox"/> | 50.000   | 52.672     | 3396.71  | 0.0006 | P   | 3.1 |
| 4 | <input type="checkbox"/> | 125.000  | 130.391    | 7896.58  | 0.0015 | P   | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 257.864    | 15278.25 | 0.0028 | P   | 0.9 |
| 6 | <input type="checkbox"/> | 500.000  | 506.171    | 29576.90 | 0.0055 | P   | 0.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 994.142    | 58098.17 | 0.0107 | P   | 1.0 |
| 8 | <input type="checkbox"/> |          |            | 303.09   | 0.0001 | P   | 3.1 |

$$y = 1.0742\text{E-}005 * x + 5.0213\text{E-}005$$

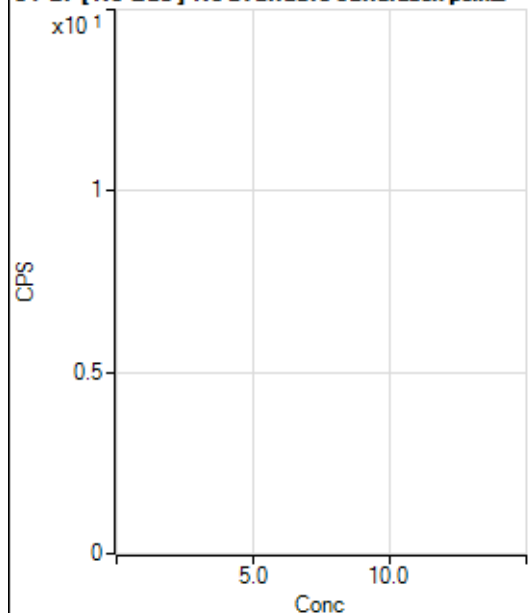
$$R = 0.9999$$

$$DL = 0.8404$$

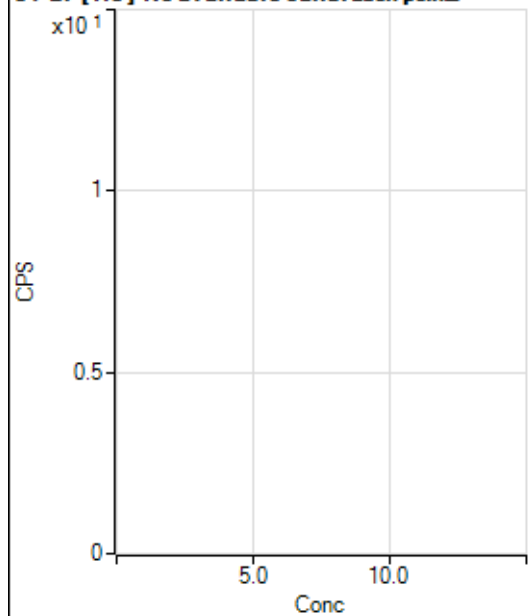
Weight: &lt;None&gt;

Min Conc: 0

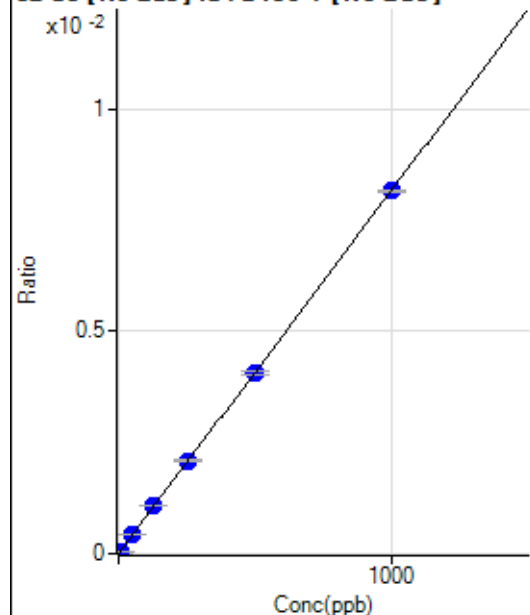


**81 Br [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 26368.67 |       | P        | 0.8 |
| 2 | <input type="checkbox"/> |       |            | 26240.55 |       | P        | 2.3 |
| 3 | <input type="checkbox"/> |       |            | 26340.86 |       | P        | 0.9 |
| 4 | <input type="checkbox"/> |       |            | 26006.91 |       | P        | 2.3 |
| 5 | <input type="checkbox"/> |       |            | 25155.37 |       | P        | 2.0 |
| 6 | <input type="checkbox"/> |       |            | 25942.77 |       | P        | 1.9 |
| 7 | <input type="checkbox"/> |       |            | 26802.62 |       | P        | 1.3 |
| 8 | <input type="checkbox"/> |       |            | 27075.56 |       | P        | 3.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 60.06 |       | P        | 60.1 |
| 2 | <input type="checkbox"/> |       |            | 46.71 |       | P        | 12.4 |
| 3 | <input type="checkbox"/> |       |            | 76.74 |       | P        | 37.7 |
| 4 | <input type="checkbox"/> |       |            | 50.05 |       | P        | 34.6 |
| 5 | <input type="checkbox"/> |       |            | 90.09 |       | P        | 29.4 |
| 6 | <input type="checkbox"/> |       |            | 73.41 |       | P        | 28.4 |
| 7 | <input type="checkbox"/> |       |            | 70.07 |       | P        | 24.7 |
| 8 | <input type="checkbox"/> |       |            | 90.09 |       | P        | 19.2 |

**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      | 62.26     | 0.0000 | P    | 100. |
| 2 | <input type="checkbox"/> | 5.000    | 4.863      | 1028.91   | 0.0000 | P    | 6.8  |
| 3 | <input type="checkbox"/> | 50.000   | 52.775     | 10453.41  | 0.0004 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 125.000  | 130.339    | 25548.76  | 0.0011 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 256.163    | 50075.46  | 0.0021 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 497.510    | 97421.43  | 0.0041 | P    | 2.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.899    | 193139.92 | 0.0082 | P    | 0.2  |
| 8 | <input type="checkbox"/> |          |            | 255.32    | 0.0000 | P    | 20.0 |

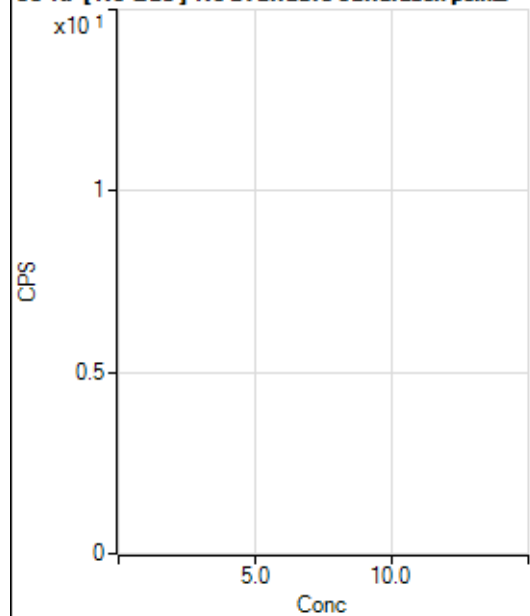
$$y = 8.1589E-006 * x + 2.5722E-006$$

$$R = 1.0000$$

$$DL = 0.954$$

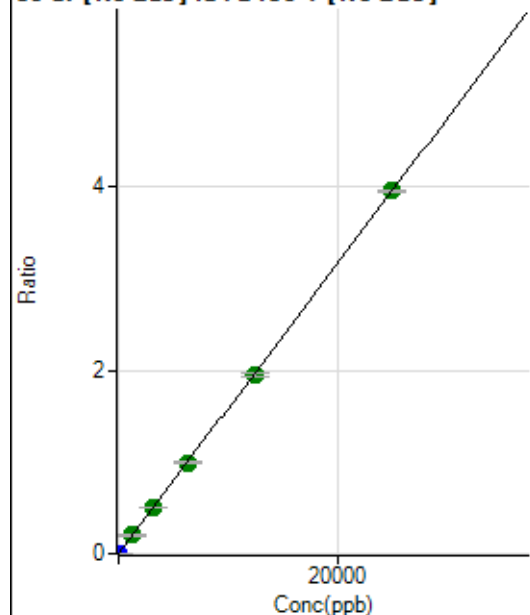
Weight: &lt;None&gt;

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"/> |       |            | 456.68 |       | P    | 12.6 |
| 2 | <input type="checkbox"/> |       |            | 441.12 |       | P    | 10.8 |
| 3 | <input type="checkbox"/> |       |            | 466.68 |       | P    | 1.9  |
| 4 | <input type="checkbox"/> |       |            | 434.46 |       | P    | 11.0 |
| 5 | <input type="checkbox"/> |       |            | 437.79 |       | P    | 13.5 |
| 6 | <input type="checkbox"/> |       |            | 432.23 |       | P    | 9.9  |
| 7 | <input type="checkbox"/> |       |            | 514.46 |       | P    | 9.1  |
| 8 | <input type="checkbox"/> |       |            | 475.57 |       | P    | 8.9  |

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 755.59      | 0.0000 | P    | 2.4  |
| 2 | <input type="checkbox"/> | 1.000     | 0.912      | 4264.61     | 0.0002 | P    | 6.1  |
| 3 | <input type="checkbox"/> | 1250.000  | 1266.632   | 4827227.97  | 0.2000 | A    | 0.8  |
| 4 | <input type="checkbox"/> | 3125.000  | 3185.075   | 12053396.54 | 0.5029 | A    | 0.5  |
| 5 | <input type="checkbox"/> | 6250.000  | 6269.764   | 23689730.04 | 0.9900 | A    | 1.4  |
| 6 | <input type="checkbox"/> | 12500.000 | 12364.584  | 46827724.66 | 1.9523 | A    | 2.0  |
| 7 | <input type="checkbox"/> | 25000.000 | 25054.426  | 93720070.84 | 3.9559 | A    | 0.3  |
| 8 | <input type="checkbox"/> |           |            | 33533.56    | 0.0015 | P    | 13.0 |

$$y = 1.5789E-004 * x + 3.1132E-005$$

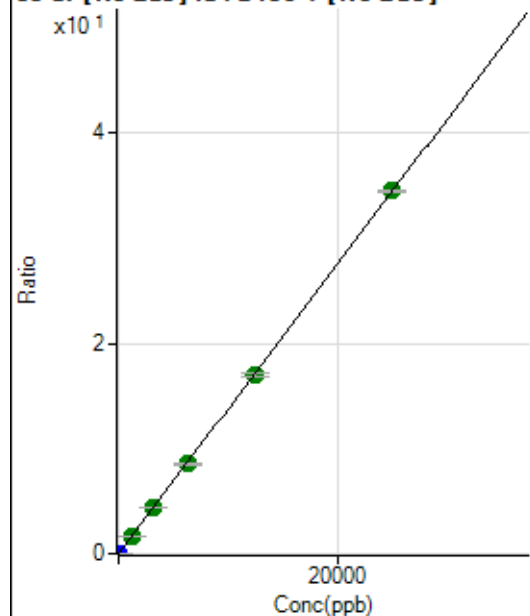
$$R = 1.0000$$

$$DL = 0.01392$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS          | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|--------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 469.46       | 0.0000  | P    | 12.2 |
| 2 | <input type="checkbox"/> | 1.000     | 0.917      | 31189.19     | 0.0013  | P    | 3.6  |
| 3 | <input type="checkbox"/> | 1250.000  | 1255.948   | 41685290.86  | 1.7273  | A    | 0.8  |
| 4 | <input type="checkbox"/> | 3125.000  | 3145.150   | 103663321.76 | 4.3254  | A    | 0.0  |
| 5 | <input type="checkbox"/> | 6250.000  | 6242.363   | 205424103.20 | 8.5848  | A    | 1.9  |
| 6 | <input type="checkbox"/> | 12500.000 | 12307.529  | 405978609.07 | 16.9260 | A    | 2.2  |
| 7 | <input type="checkbox"/> | 25000.000 | 25095.329  | 817619234.94 | 34.5124 | A    | 0.6  |
| 8 | <input type="checkbox"/> |           |            | 289835.92    | 0.0131  | P    | 11.1 |

$$y = 0.0014 * x + 1.9349E-005$$

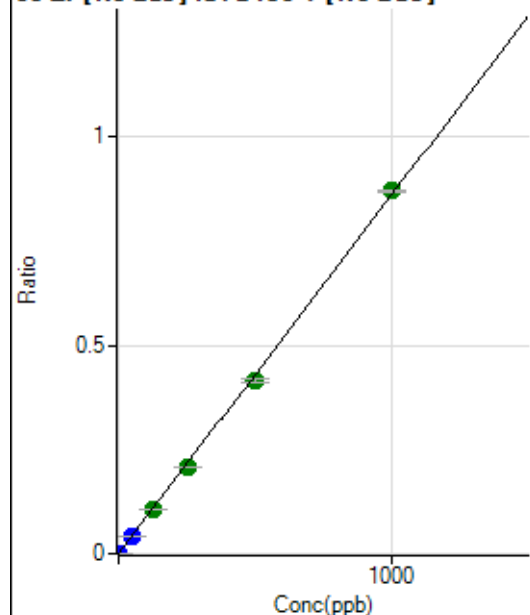
$$R = 1.0000$$

$$DL = 0.005162$$

Weight: &lt;None&gt;

Min Conc: 0

90 Zr [No Gas] ISTD : 89 Y [No Gas]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 977.84      | 0.0000 | P    | 11.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.852      | 18815.27    | 0.0008 | P    | 5.0  |
| 3 | <input type="checkbox"/> | 50.000   | 49.133     | 1020010.29  | 0.0423 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 122.701    | 2528211.06  | 0.1055 | A    | 0.1  |
| 5 | <input type="checkbox"/> | 250.000  | 242.200    | 4981948.42  | 0.2082 | A    | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 480.838    | 9912784.60  | 0.4133 | A    | 1.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 1011.862   | 20602852.54 | 0.8696 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 10476.24    | 0.0005 | P    | 5.7  |

$$y = 8.5940\text{E-}004 * x + 4.0294\text{E-}005$$

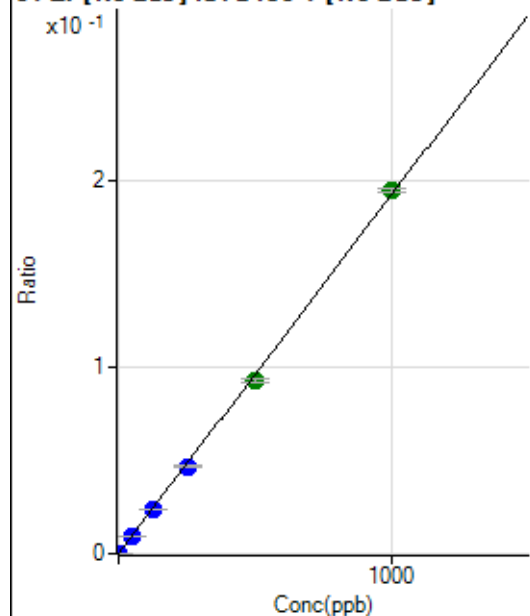
$$R = 0.9997$$

$$DL = 0.01649$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 186.12     | 0.0000 | P    | 36.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.864      | 4228.50    | 0.0002 | P    | 3.5  |
| 3 | <input type="checkbox"/> | 50.000   | 49.376     | 228977.86  | 0.0095 | P    | 1.6  |
| 4 | <input type="checkbox"/> | 125.000  | 122.218    | 562615.27  | 0.0235 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 242.568    | 1114742.87 | 0.0466 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 483.060    | 2224755.62 | 0.0928 | A    | 2.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1010.707   | 4597730.57 | 0.1941 | A    | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 2175.23    | 0.0001 | P    | 7.4  |

$$y = 1.9200\text{E-}004 * x + 7.6776\text{E-}006$$

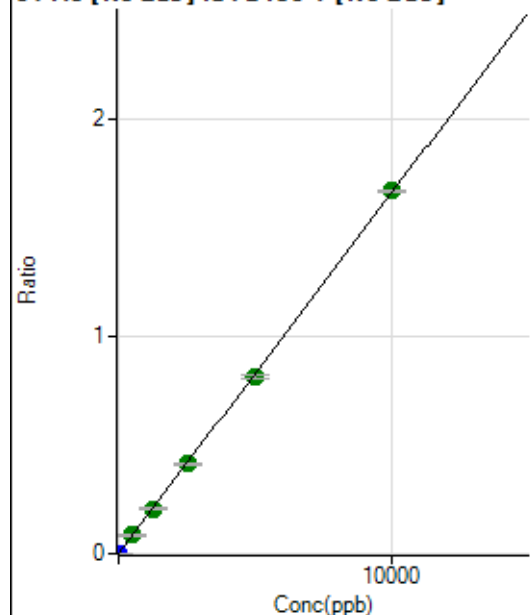
$$R = 0.9998$$

$$DL = 0.04358$$

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      | 330.57      | 0.0000 | P   | 5.5  |
| 2 | <input type="checkbox"/> | 5.000     | 5.274      | 21672.08    | 0.0009 | P   | 5.1  |
| 3 | <input type="checkbox"/> | 500.000   | 507.283    | 2035059.55  | 0.0843 | A   | 0.9  |
| 4 | <input type="checkbox"/> | 1250.000  | 1246.048   | 4963547.72  | 0.2071 | A   | 1.1  |
| 5 | <input type="checkbox"/> | 2500.000  | 2484.162   | 9881073.31  | 0.4129 | A   | 0.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 4900.226   | 19535047.83 | 0.8145 | A   | 2.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 10053.977  | 39588529.71 | 1.6710 | A   | 0.5  |
| 8 | <input type="checkbox"/> |           |            | 13876.32    | 0.0006 | P   | 10.5 |

$$y = 1.6620E-004 * x + 1.3621E-005$$

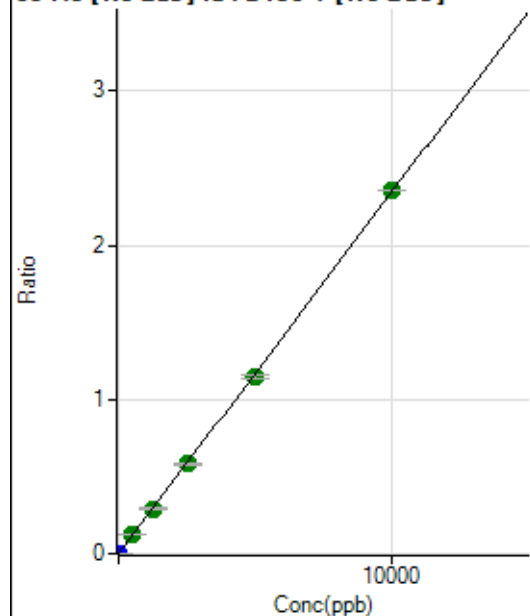
$$R = 0.9999$$

$$DL = 0.01364$$

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      | 61.11       | 0.0000 | P   | 15.4 |
| 2 | <input type="checkbox"/> | 5.000     | 4.729      | 27028.54    | 0.0011 | P   | 4.2  |
| 3 | <input type="checkbox"/> | 500.000   | 514.005    | 2905370.92  | 0.1204 | A   | 1.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1248.324   | 7007237.61  | 0.2924 | A   | 0.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2487.104   | 13939900.66 | 0.5825 | A   | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 4914.279   | 27606340.03 | 1.1510 | A   | 2.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 10045.594  | 55739828.68 | 2.3528 | A   | 0.2  |
| 8 | <input type="checkbox"/> |           |            | 18609.54    | 0.0008 | P   | 5.3  |

$$y = 2.3421E-004 * x + 2.5171E-006$$

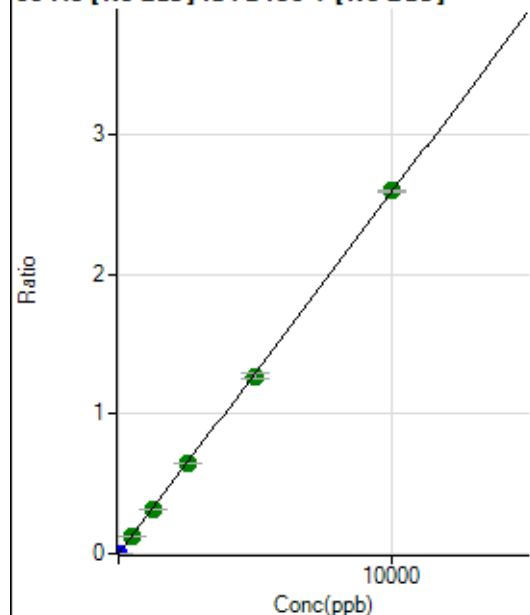
$$R = 0.9999$$

$$DL = 0.004974$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 138.89      | 0.0000 | P   | 23.8 |
| 2 | <input type="checkbox"/> | 5.000     | 4.759      | 30145.47    | 0.0012 | P   | 5.4  |
| 3 | <input type="checkbox"/> | 500.000   | 503.701    | 3148649.74  | 0.1305 | A   | 0.6  |
| 4 | <input type="checkbox"/> | 1250.000  | 1241.518   | 7706731.42  | 0.3216 | A   | 0.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2503.876   | 15519564.41 | 0.6485 | A   | 1.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4920.791   | 30569831.24 | 1.2745 | A   | 2.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 10039.511  | 61603550.68 | 2.6003 | A   | 0.2  |
| 8 | <input type="checkbox"/> |           |            | 30435.25    | 0.0014 | P   | 10.2 |

$$y = 2.5901E-004 * x + 5.7191E-006$$

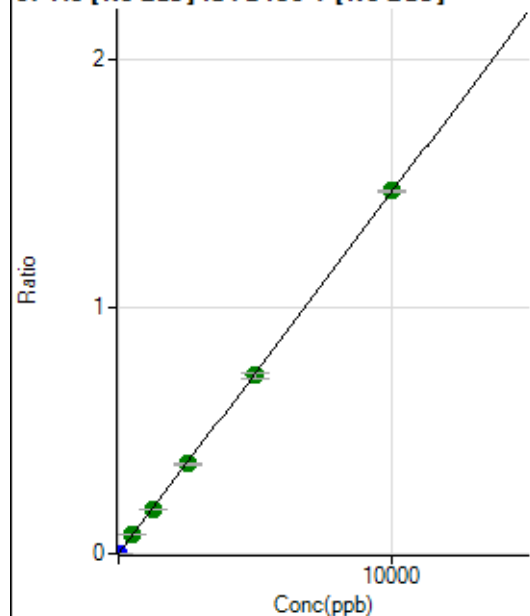
$$R = 1.0000$$

$$DL = 0.01577$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 44.44       | 0.0000 | P   | 59.8 |
| 2 | <input type="checkbox"/> | 5.000     | 4.808      | 17177.19    | 0.0007 | P   | 4.2  |
| 3 | <input type="checkbox"/> | 500.000   | 509.422    | 1799517.01  | 0.0746 | A   | 0.6  |
| 4 | <input type="checkbox"/> | 1250.000  | 1244.182   | 4364531.13  | 0.1821 | A   | 0.4  |
| 5 | <input type="checkbox"/> | 2500.000  | 2489.461   | 8719267.12  | 0.3644 | A   | 1.6  |
| 6 | <input type="checkbox"/> | 5000.000  | 4924.614   | 17287692.92 | 0.7208 | A   | 3.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 10040.584  | 34816386.19 | 1.4696 | A   | 0.2  |
| 8 | <input type="checkbox"/> |           |            | 11107.33    | 0.0005 | P   | 12.9 |

$$y = 1.4637E-004 * x + 1.8275E-006$$

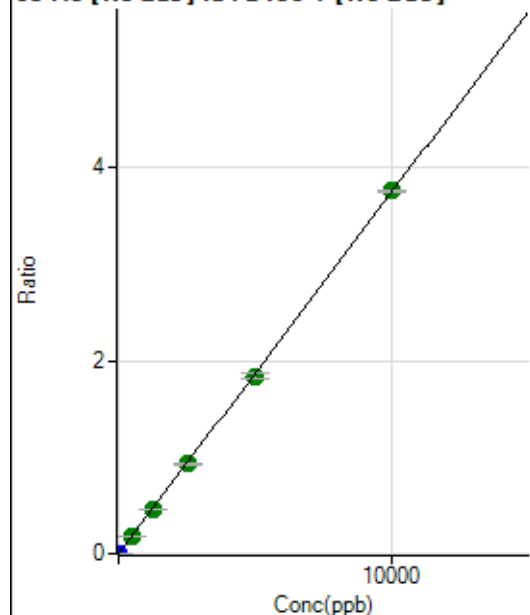
$$R = 1.0000$$

$$DL = 0.02238$$

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      | 108.34      | 0.0000 | P   | 20.0 |
| 2 | <input type="checkbox"/> | 5.000     | 4.683      | 42766.13    | 0.0018 | P   | 4.4  |
| 3 | <input type="checkbox"/> | 500.000   | 504.030    | 4550990.12  | 0.1886 | A   | 0.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1242.861   | 11144311.36 | 0.4650 | A   | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2484.350   | 22242339.21 | 0.9295 | A   | 1.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 4923.643   | 44180211.75 | 1.8421 | A   | 3.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 10042.782  | 89014666.57 | 3.7573 | A   | 0.7  |
| 8 | <input type="checkbox"/> |           |            | 27067.49    | 0.0012 | P   | 15.4 |

$$y = 3.7413E-004 * x + 4.4612E-006$$

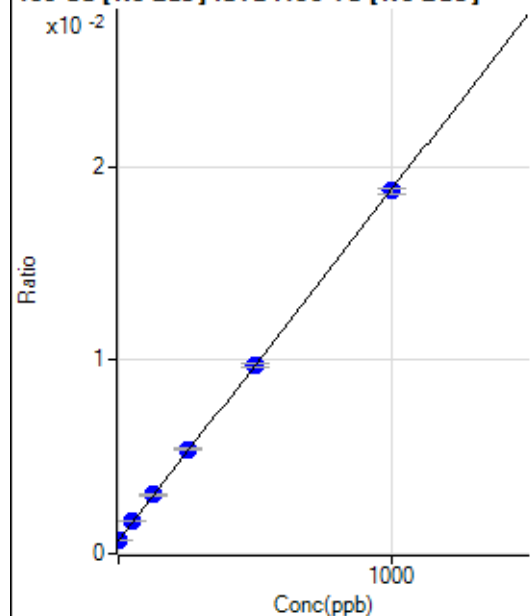
$$R = 1.0000$$

$$DL = 0.007142$$

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      | 11165.66  | 0.0007 | P   | 1.6 |
| 2 | <input type="checkbox"/> | 1.000    | 2.396      | 12074.77  | 0.0007 | P   | 1.2 |
| 3 | <input type="checkbox"/> | 50.000   | 53.420     | 27259.56  | 0.0016 | P   | 0.7 |
| 4 | <input type="checkbox"/> | 125.000  | 130.732    | 50817.57  | 0.0030 | P   | 2.2 |
| 5 | <input type="checkbox"/> | 250.000  | 259.300    | 89263.68  | 0.0054 | P   | 2.2 |
| 6 | <input type="checkbox"/> | 500.000  | 501.075    | 164545.55 | 0.0098 | P   | 2.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 996.248    | 310417.18 | 0.0187 | P   | 1.5 |
| 8 | <input type="checkbox"/> |          |            | 10462.35  | 0.0007 | P   | 3.4 |

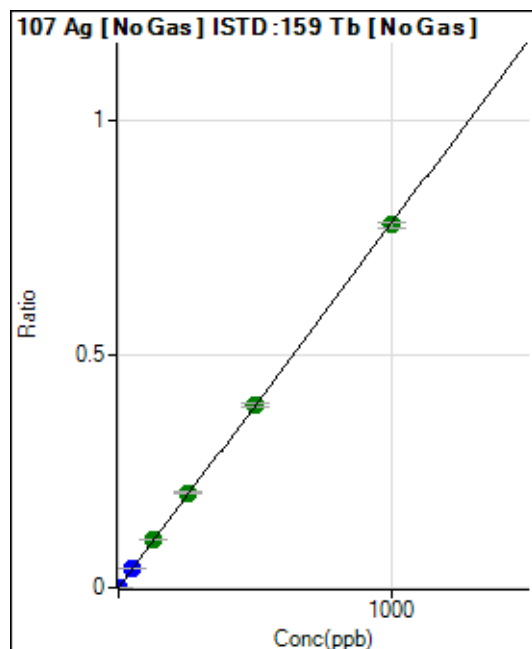
$$y = 1.8124E-005 * x + 6.7903E-004$$

$$R = 1.0000$$

$$DL = 1.818$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 136.11      | 0.0000 | P   | 19.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.782      | 10331.76    | 0.0006 | P   | 11.0 |
| 3 | <input type="checkbox"/> | 50.000   | 53.020     | 684838.13   | 0.0414 | P   | 3.1  |
| 4 | <input type="checkbox"/> | 125.000  | 130.602    | 1699308.47  | 0.1019 | A   | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 260.907    | 3379171.61  | 0.2036 | A   | 2.0  |
| 6 | <input type="checkbox"/> | 500.000  | 502.438    | 6609982.79  | 0.3921 | A   | 2.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.203    | 12867785.27 | 0.7766 | A   | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 5606.78     | 0.0004 | P   | 13.7 |

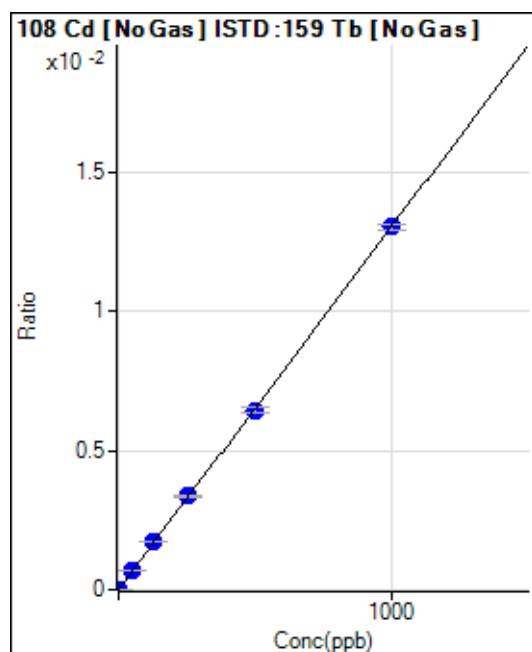
$$y = 7.8037\text{E-}004 * x + 8.2749\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.006167$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 33.33     | 0.0000 | P   | 33.2 |
| 2 | <input type="checkbox"/> | 1.000    | 0.827      | 213.89    | 0.0000 | P   | 2.6  |
| 3 | <input type="checkbox"/> | 50.000   | 52.884     | 11436.56  | 0.0007 | P   | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 131.824    | 28668.77  | 0.0017 | P   | 2.2  |
| 5 | <input type="checkbox"/> | 250.000  | 257.326    | 55675.84  | 0.0034 | P   | 2.6  |
| 6 | <input type="checkbox"/> | 500.000  | 494.968    | 108755.78 | 0.0065 | P   | 2.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.688    | 215857.86 | 0.0130 | P   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 158.34    | 0.0000 | P   | 17.3 |

$$y = 1.3030\text{E-}005 * x + 2.0279\text{E-}006$$

$$R = 0.9999$$

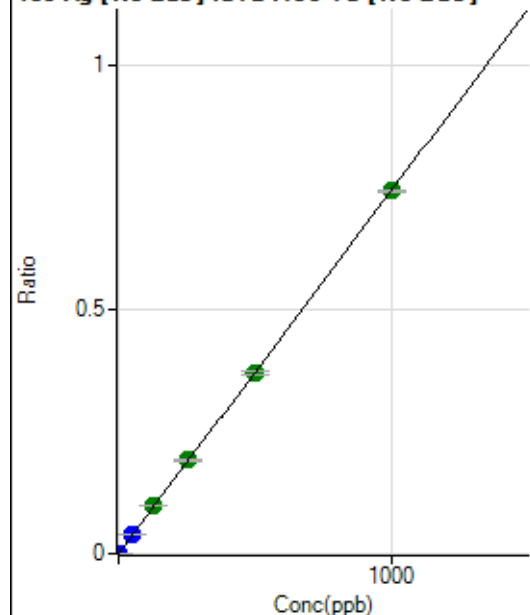
$$DL = 0.1551$$

Weight: <None>

Min Conc: 0



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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 58.34       | 0.0000 | P    | 75.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.782      | 9786.93     | 0.0006 | P    | 18.1 |
| 3 | <input type="checkbox"/> | 50.000   | 52.812     | 651190.66   | 0.0394 | P    | 3.6  |
| 4 | <input type="checkbox"/> | 125.000  | 130.386    | 1619657.23  | 0.0971 | A    | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 258.375    | 3194943.32  | 0.1925 | A    | 1.6  |
| 6 | <input type="checkbox"/> | 500.000  | 496.860    | 6240397.97  | 0.3702 | A    | 2.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.662    | 12328255.74 | 0.7440 | A    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 5198.27     | 0.0003 | P    | 14.3 |

$$y = 7.4504\text{E-}004 * x + 3.5429\text{E-}006$$

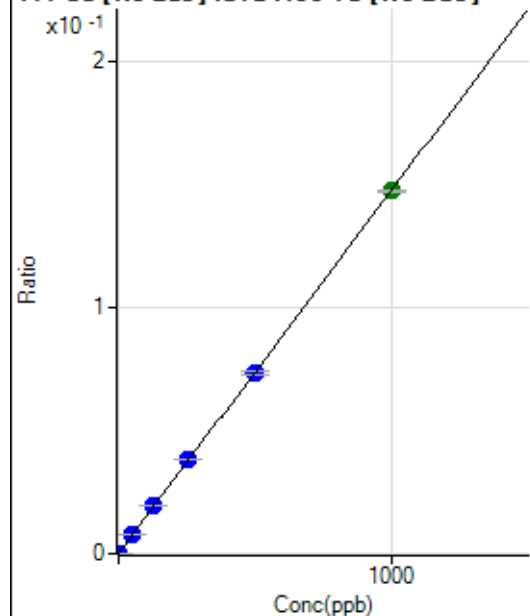
$$R = 0.9999$$

$$DL = 0.01074$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1107.12    | 0.0001 | P    | 2.0 |
| 2 | <input type="checkbox"/> | 1.000    | 1.086      | 3796.94    | 0.0002 | P    | 6.6 |
| 3 | <input type="checkbox"/> | 50.000   | 53.334     | 131168.32  | 0.0079 | P    | 0.4 |
| 4 | <input type="checkbox"/> | 125.000  | 130.069    | 320635.97  | 0.0192 | P    | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 258.972    | 634423.59  | 0.0382 | P    | 1.8 |
| 6 | <input type="checkbox"/> | 500.000  | 496.825    | 1235223.04 | 0.0733 | P    | 2.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 998.544    | 2439107.81 | 0.1472 | A    | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 2242.42    | 0.0001 | P    | 5.6 |

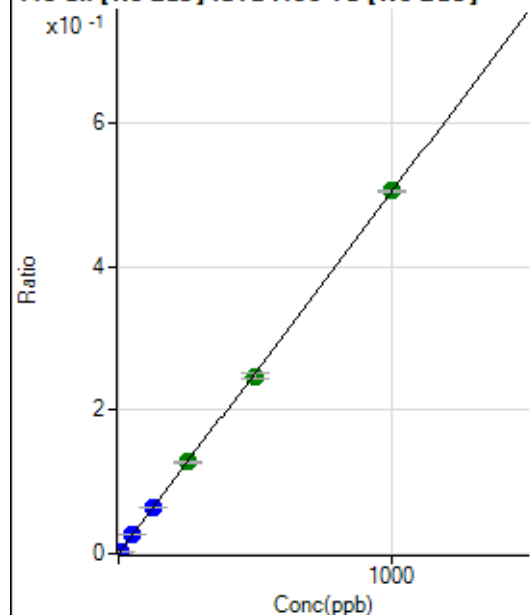
$$y = 1.4735\text{E-}004 * x + 6.7328\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.02705$$

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      | 3061.81    | 0.0002 | P   | 27.3 |
| 2 | <input type="checkbox"/> | 5.000    | 4.678      | 42502.29   | 0.0025 | P   | 4.3  |
| 3 | <input type="checkbox"/> | 50.000   | 51.137     | 429575.98  | 0.0260 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 125.250    | 1055496.27 | 0.0633 | P   | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 253.585    | 2124189.09 | 0.1280 | A   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 491.398    | 4178014.03 | 0.2478 | A   | 2.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.319   | 8381840.03 | 0.5058 | A   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 13829.17   | 0.0009 | P   | 6.6  |

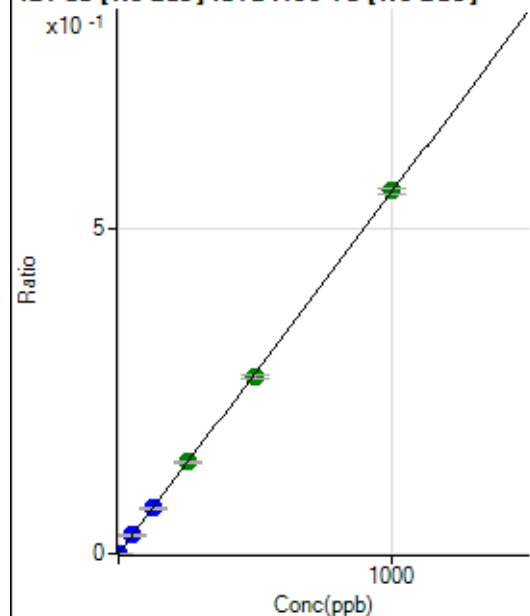
$$y = 5.0397\text{E-}004 * x + 1.8625\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.3031$$

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      | 72.22      | 0.0000 | P   | 24.2 |
| 2 | <input type="checkbox"/> | 2.000    | 1.911      | 17867.10   | 0.0011 | P   | 4.8  |
| 3 | <input type="checkbox"/> | 50.000   | 50.834     | 468935.12  | 0.0283 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 125.186    | 1163340.30 | 0.0698 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 253.333    | 2343373.45 | 0.1412 | A   | 1.7  |
| 6 | <input type="checkbox"/> | 500.000  | 490.290    | 4606717.03 | 0.2733 | A   | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.957   | 9271332.41 | 0.5595 | A   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 12300.02   | 0.0008 | P   | 5.6  |

$$y = 5.5733\text{E-}004 * x + 4.3936\text{E-}006$$

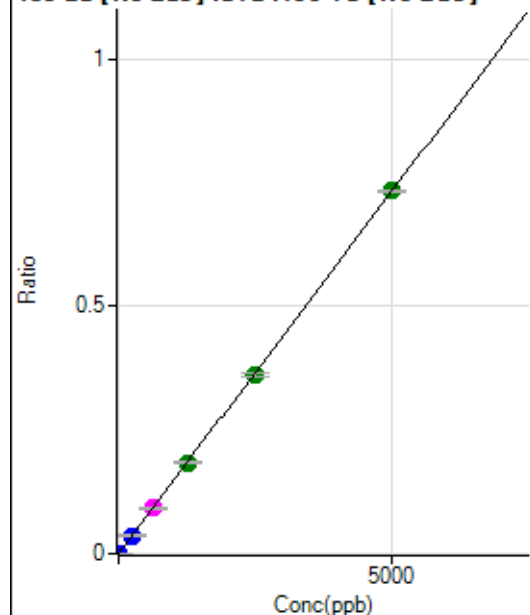
$$R = 0.9999$$

$$DL = 0.005721$$

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      | 27.78       | 0.0000 | P   | 17.0 |
| 2 | <input type="checkbox"/> | 10.000   | 8.956      | 21911.83    | 0.0013 | P   | 4.6  |
| 3 | <input type="checkbox"/> | 250.000  | 251.737    | 609335.76   | 0.0368 | P   | 1.7  |
| 4 | <input type="checkbox"/> | 625.000  | 627.449    | 1530190.97  | 0.0918 | M   | 2.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1259.236   | 3056629.41  | 0.1842 | A   | 1.7  |
| 6 | <input type="checkbox"/> | 2500.000 | 2467.147   | 6082918.97  | 0.3608 | A   | 2.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5013.726   | 12150063.29 | 0.7333 | A   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 6504.46     | 0.0004 | P   | 14.7 |

$$y = 1.4625E-004 * x + 1.6887E-006$$

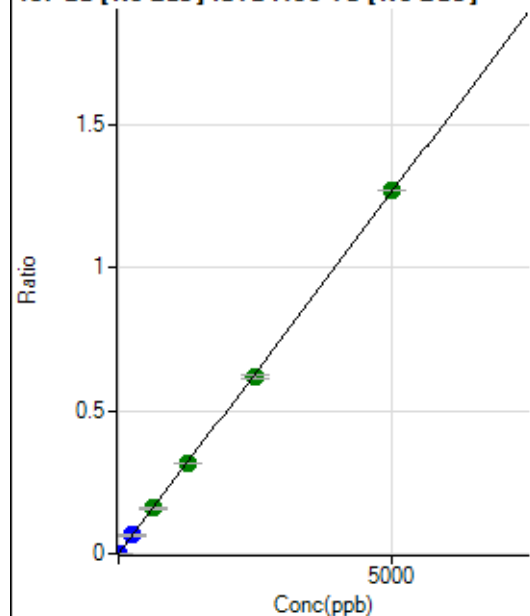
$$R = 1.0000$$

$$DL = 0.005895$$

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      | 61.11       | 0.0000 | P   | 16.0 |
| 2 | <input type="checkbox"/> | 10.000   | 8.996      | 38034.85    | 0.0023 | P   | 5.2  |
| 3 | <input type="checkbox"/> | 250.000  | 253.481    | 1059975.70  | 0.0641 | P   | 1.1  |
| 4 | <input type="checkbox"/> | 625.000  | 627.943    | 2645378.25  | 0.1587 | A   | 0.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1256.808   | 5270886.84  | 0.3176 | A   | 1.1  |
| 6 | <input type="checkbox"/> | 2500.000 | 2452.201   | 10445377.06 | 0.6196 | A   | 2.3  |
| 7 | <input type="checkbox"/> | 5000.000 | 5021.657   | 21024960.37 | 1.2689 | A   | 0.2  |
| 8 | <input type="checkbox"/> |          |            | 11321.50    | 0.0007 | P   | 10.2 |

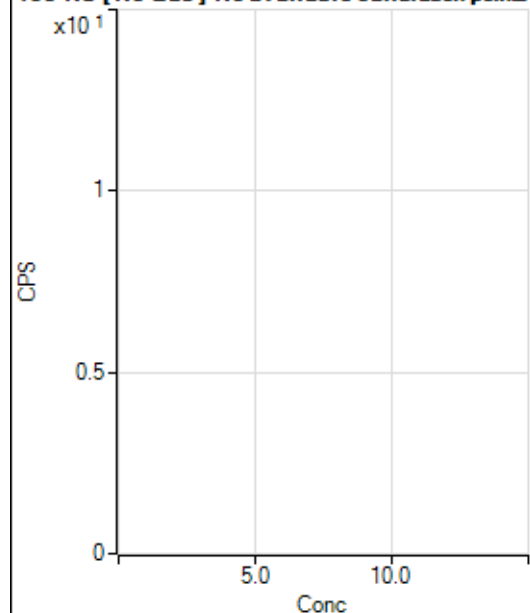
$$y = 2.5268E-004 * x + 3.7177E-006$$

$$R = 0.9999$$

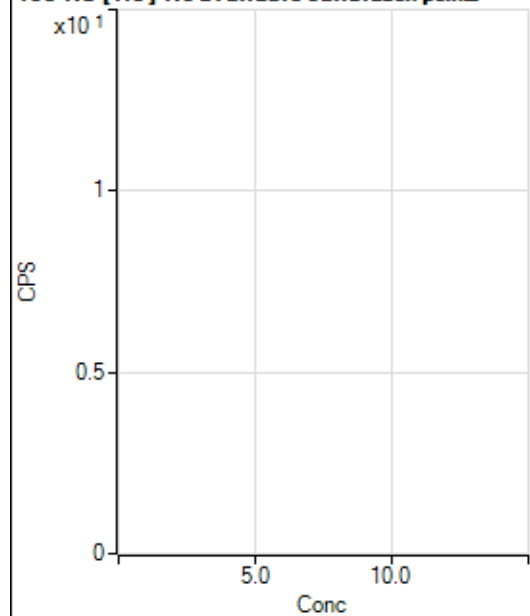
$$DL = 0.007059$$

Weight: &lt;None&gt;

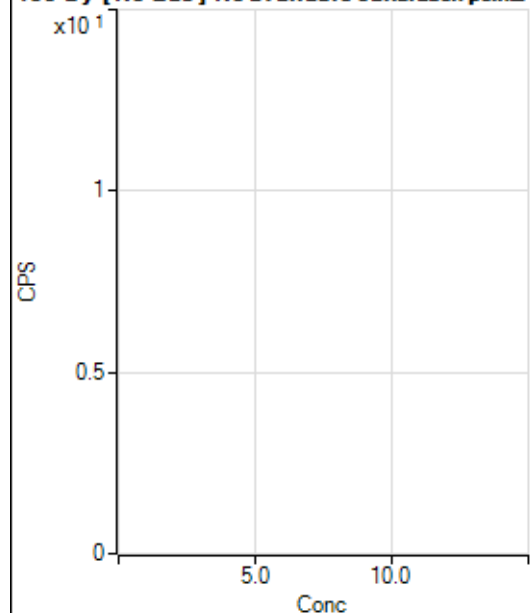
Min Conc: 0

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

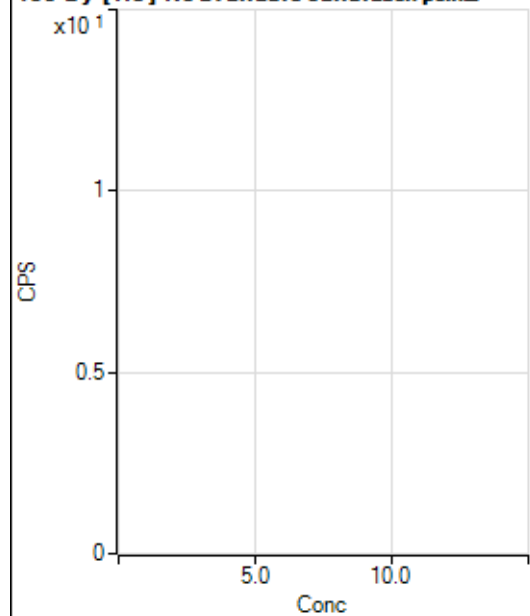
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 6.67    |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 13.33   |       | P        | 50.0 |
| 3 | <input type="checkbox"/> |       |            | 73.33   |       | P        | 24.1 |
| 4 | <input type="checkbox"/> |       |            | 188.89  |       | P        | 10.8 |
| 5 | <input type="checkbox"/> |       |            | 342.23  |       | P        | 6.0  |
| 6 | <input type="checkbox"/> |       |            | 782.26  |       | P        | 3.8  |
| 7 | <input type="checkbox"/> |       |            | 1749.03 |       | P        | 1.4  |
| 8 | <input type="checkbox"/> |       |            | 108.89  |       | P        | 23.2 |

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

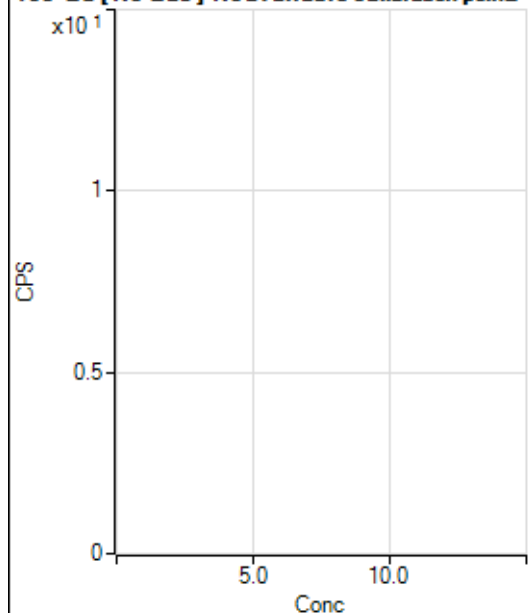
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 3 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 31.5 |
| 4 | <input type="checkbox"/> |       |            | 36.67  |       | P        | 18.2 |
| 5 | <input type="checkbox"/> |       |            | 76.67  |       | P        | 11.5 |
| 6 | <input type="checkbox"/> |       |            | 125.56 |       | P        | 14.6 |
| 7 | <input type="checkbox"/> |       |            | 388.90 |       | P        | 16.7 |
| 8 | <input type="checkbox"/> |       |            | 56.67  |       | P        | 38.6 |

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

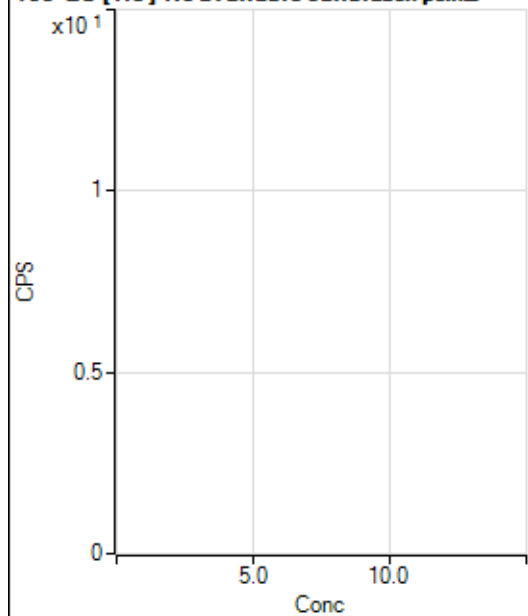
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 114. |
| 3 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 25.0 |
| 4 | <input type="checkbox"/> |       |            | 100.01 |       | P        | 30.0 |
| 5 | <input type="checkbox"/> |       |            | 180.56 |       | P        | 14.1 |
| 6 | <input type="checkbox"/> |       |            | 327.79 |       | P        | 25.5 |
| 7 | <input type="checkbox"/> |       |            | 622.25 |       | P        | 14.7 |
| 8 | <input type="checkbox"/> |       |            | 802.82 |       | P        | 9.1  |

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

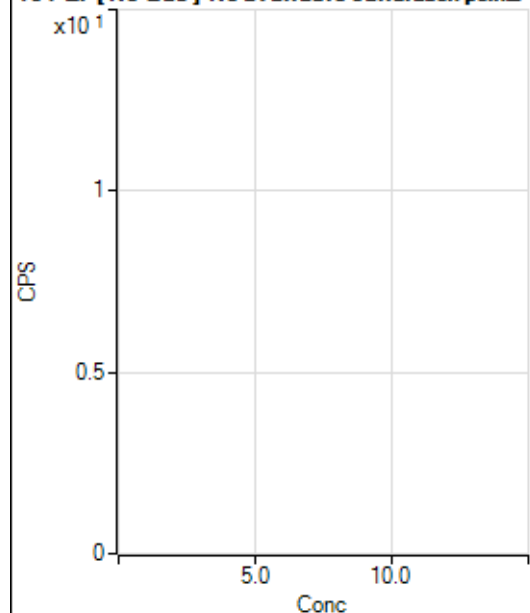
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            | 10.00  |       | P        | 33.3 |
| 3 | <input type="checkbox"/> |       |            | 32.22  |       | P        | 31.6 |
| 4 | <input type="checkbox"/> |       |            | 78.89  |       | P        | 28.8 |
| 5 | <input type="checkbox"/> |       |            | 180.00 |       | P        | 14.5 |
| 6 | <input type="checkbox"/> |       |            | 291.12 |       | P        | 10.4 |
| 7 | <input type="checkbox"/> |       |            | 683.36 |       | P        | 11.3 |
| 8 | <input type="checkbox"/> |       |            | 485.57 |       | P        | 7.6  |

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

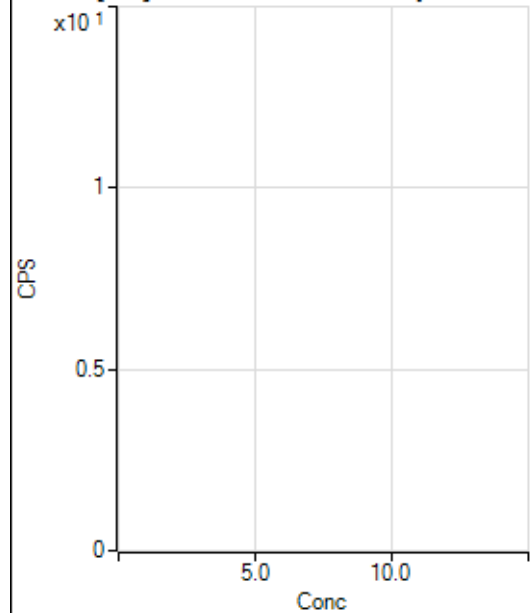
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 105.56 |       | P        | 12.1 |
| 2 | <input type="checkbox"/> |       |            | 122.22 |       | P        | 3.9  |
| 3 | <input type="checkbox"/> |       |            | 138.89 |       | P        | 33.0 |
| 4 | <input type="checkbox"/> |       |            | 163.90 |       | P        | 26.1 |
| 5 | <input type="checkbox"/> |       |            | 169.45 |       | P        | 19.9 |
| 6 | <input type="checkbox"/> |       |            | 213.90 |       | P        | 15.7 |
| 7 | <input type="checkbox"/> |       |            | 405.57 |       | P        | 28.8 |
| 8 | <input type="checkbox"/> |       |            | 455.57 |       | P        | 16.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 525.57 |       | P        | 5.8  |
| 2 | <input type="checkbox"/> |       |            | 482.24 |       | P        | 4.7  |
| 3 | <input type="checkbox"/> |       |            | 483.35 |       | P        | 9.8  |
| 4 | <input type="checkbox"/> |       |            | 512.24 |       | P        | 2.7  |
| 5 | <input type="checkbox"/> |       |            | 516.68 |       | P        | 4.7  |
| 6 | <input type="checkbox"/> |       |            | 532.24 |       | P        | 12.8 |
| 7 | <input type="checkbox"/> |       |            | 667.80 |       | P        | 1.5  |
| 8 | <input type="checkbox"/> |       |            | 713.36 |       | P        | 3.1  |

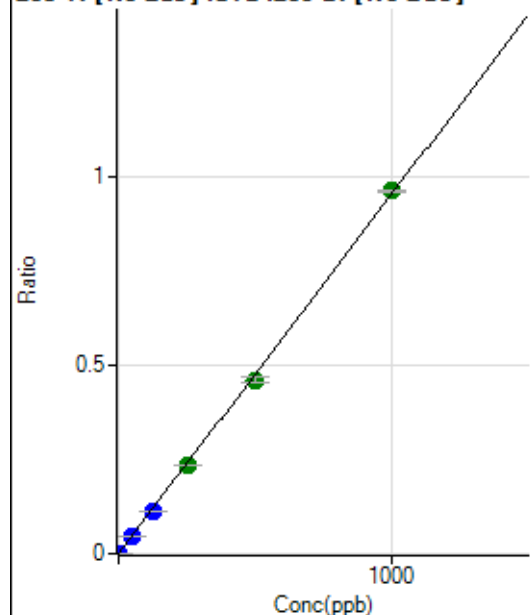
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 55.1 |
| 2 | <input type="checkbox"/> |       |            | 72.22  |       | P        | 40.5 |
| 3 | <input type="checkbox"/> |       |            | 63.89  |       | P        | 15.1 |
| 4 | <input type="checkbox"/> |       |            | 80.56  |       | P        | 6.0  |
| 5 | <input type="checkbox"/> |       |            | 72.22  |       | P        | 29.0 |
| 6 | <input type="checkbox"/> |       |            | 111.12 |       | P        | 34.6 |
| 7 | <input type="checkbox"/> |       |            | 338.90 |       | P        | 13.5 |
| 8 | <input type="checkbox"/> |       |            | 172.23 |       | P        | 14.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 42.22  |       | P        | 19.9 |
| 2 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 17.8 |
| 3 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 25.0 |
| 4 | <input type="checkbox"/> |       |            | 54.45  |       | P        | 24.7 |
| 5 | <input type="checkbox"/> |       |            | 52.22  |       | P        | 35.2 |
| 6 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 20.0 |
| 7 | <input type="checkbox"/> |       |            | 165.56 |       | P        | 22.2 |
| 8 | <input type="checkbox"/> |       |            | 98.89  |       | P        | 15.6 |

203 Tl [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      | 119.45     | 0.0000 | P   | 22.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.864      | 8586.26    | 0.0008 | P   | 3.5  |
| 3 | <input type="checkbox"/> | 50.000   | 47.296     | 458852.76  | 0.0451 | P   | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 117.838    | 1136867.18 | 0.1123 | P   | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 246.169    | 2391568.95 | 0.2346 | A   | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 484.061    | 4661204.49 | 0.4613 | A   | 3.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 1009.958   | 9263969.39 | 0.9625 | A   | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 2758.68    | 0.0003 | P   | 14.4 |

$$y = 9.5302\text{E-}004 * x + 1.1686\text{E-}005$$

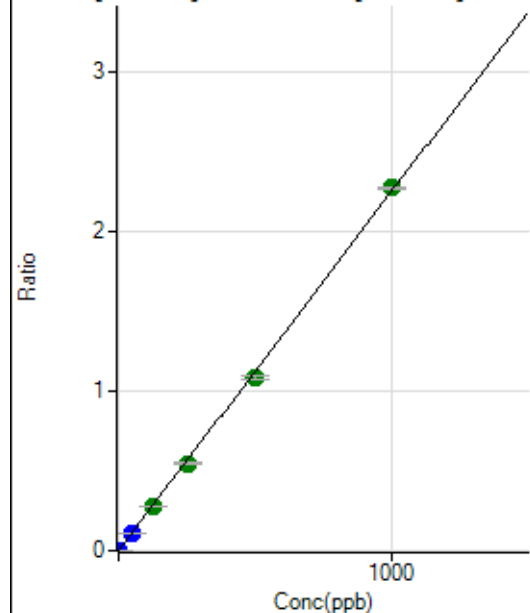
$$R = 0.9998$$

$$DL = 0.00819$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 325.01      | 0.0000 | P   | 11.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.867      | 20349.08    | 0.0020 | P   | 4.7  |
| 3 | <input type="checkbox"/> | 50.000   | 46.774     | 1069828.85  | 0.1051 | P   | 0.3  |
| 4 | <input type="checkbox"/> | 125.000  | 121.540    | 2764214.86  | 0.2731 | A   | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 243.619    | 5579685.28  | 0.5474 | A   | 1.1  |
| 6 | <input type="checkbox"/> | 500.000  | 483.662    | 10981096.95 | 1.0867 | A   | 2.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1010.358   | 21848103.09 | 2.2700 | A   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 6779.65     | 0.0008 | P   | 15.5 |

$$y = 0.0022 * x + 3.1787\text{E-}005$$

$$R = 0.9998$$

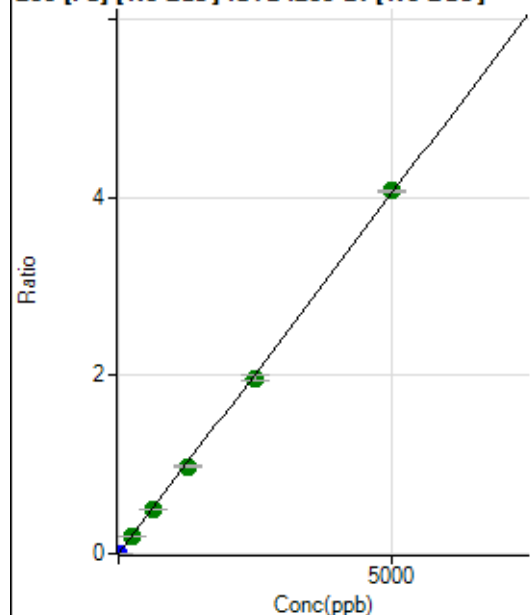
$$DL = 0.004732$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 394.46      | 0.0000 | P   | 14.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.810      | 7135.31     | 0.0007 | P   | 4.7  |
| 3 | <input type="checkbox"/> | 250.000  | 243.708    | 2006353.33  | 0.1971 | A   | 0.7  |
| 4 | <input type="checkbox"/> | 625.000  | 614.105    | 5027687.09  | 0.4967 | A   | 0.4  |
| 5 | <input type="checkbox"/> | 1250.000 | 1214.252   | 10011000.80 | 0.9821 | A   | 0.8  |
| 6 | <input type="checkbox"/> | 2500.000 | 2439.352   | 19934520.81 | 1.9729 | A   | 3.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5040.937   | 39239636.52 | 4.0770 | A   | 0.2  |
| 8 | <input type="checkbox"/> |          |            | 10878.61    | 0.0013 | P   | 13.7 |

$$y = 8.0876E-004 * x + 3.8571E-005$$

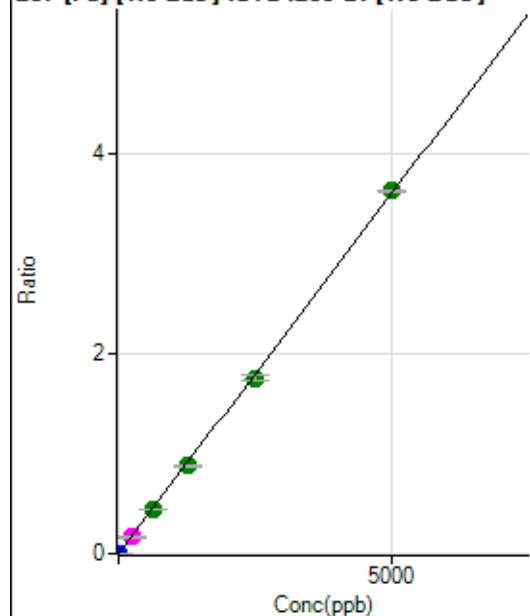
$$R = 0.9999$$

$$DL = 0.02013$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 342.60      | 0.0000 | P   | 8.2  |
| 2 | <input type="checkbox"/> | 1.000    | 0.832      | 6507.22     | 0.0006 | P   | 0.9  |
| 3 | <input type="checkbox"/> | 250.000  | 232.189    | 1702971.00  | 0.1673 | M   | 5.6  |
| 4 | <input type="checkbox"/> | 625.000  | 623.548    | 4545902.01  | 0.4491 | A   | 0.6  |
| 5 | <input type="checkbox"/> | 1250.000 | 1219.811   | 8955841.29  | 0.8786 | A   | 1.3  |
| 6 | <input type="checkbox"/> | 2500.000 | 2435.315   | 17723179.10 | 1.7540 | A   | 3.0  |
| 7 | <input type="checkbox"/> | 5000.000 | 5040.962   | 34945918.37 | 3.6307 | A   | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 9282.98     | 0.0011 | P   | 13.7 |

$$y = 7.2023E-004 * x + 3.3535E-005$$

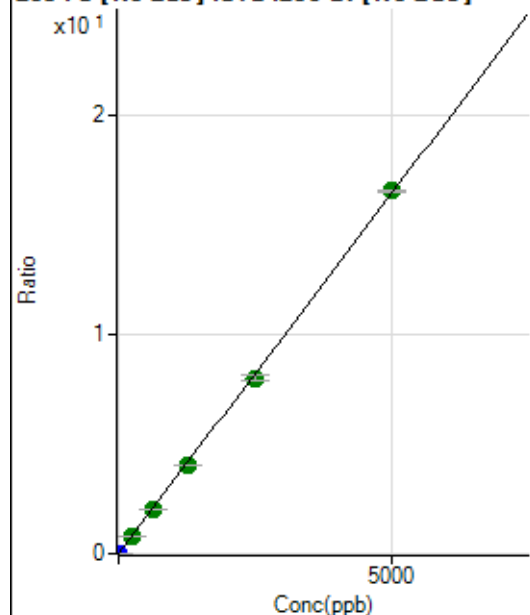
$$R = 0.9999$$

$$DL = 0.01147$$

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      | 1598.22      | 0.0002  | P   | 3.2  |
| 2 | <input type="checkbox"/> | 1.000    | 0.809      | 28875.37     | 0.0028  | P   | 2.2  |
| 3 | <input type="checkbox"/> | 250.000  | 242.659    | 8101113.58   | 0.7959  | A   | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 619.562    | 20566837.03  | 2.0319  | A   | 0.3  |
| 5 | <input type="checkbox"/> | 1250.000 | 1220.850   | 40812249.29  | 4.0037  | A   | 0.9  |
| 6 | <input type="checkbox"/> | 2500.000 | 2441.960   | 80919066.16  | 8.0082  | A   | 2.6  |
| 7 | <input type="checkbox"/> | 5000.000 | 5037.354   | 158996661.42 | 16.5194 | A   | 0.3  |
| 8 | <input type="checkbox"/> |          |            | 43606.31     | 0.0053  | P   | 13.5 |

$$y = 0.0033 * x + 1.5636E-004$$

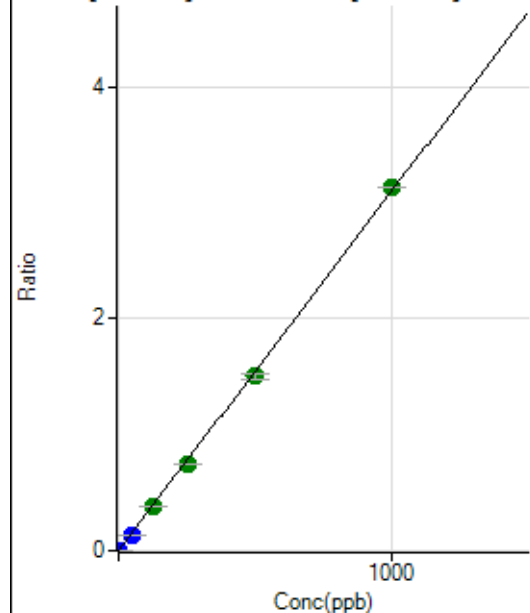
$$R = 0.9999$$

$$DL = 0.004542$$

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 | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.11       | 0.0000 | P   | 101. |
| 2 | <input type="checkbox"/> | 1.000    | 0.790      | 25249.92    | 0.0025 | P   | 2.8  |
| 3 | <input type="checkbox"/> | 50.000   | 43.463     | 1370981.66  | 0.1347 | P   | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 121.425    | 3809378.30  | 0.3763 | A   | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 241.329    | 7624337.93  | 0.7480 | A   | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 485.573    | 15205528.64 | 1.5050 | A   | 3.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1010.155   | 30133720.81 | 3.1308 | A   | 0.0  |
| 8 | <input type="checkbox"/> |          |            | 3903.47     | 0.0005 | P   | 15.6 |

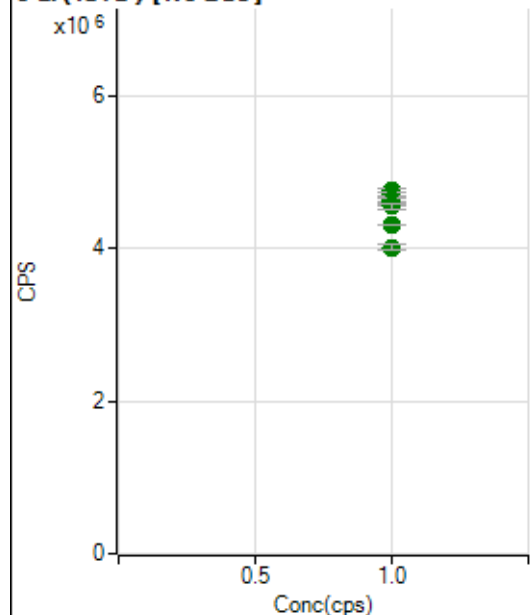
$$y = 0.0031 * x + 5.9612E-006$$

$$R = 0.9998$$

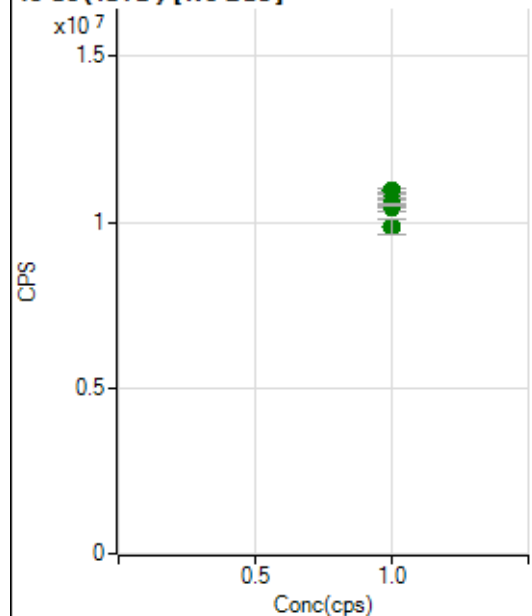
$$DL = 0.005882$$

Weight: &lt;None&gt;

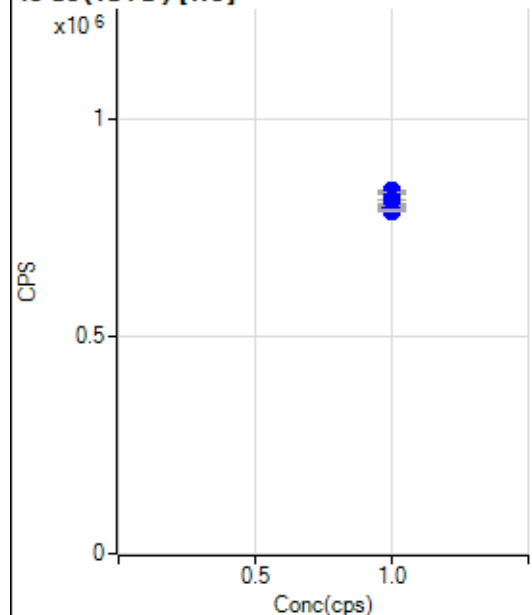
Min Conc: 0

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

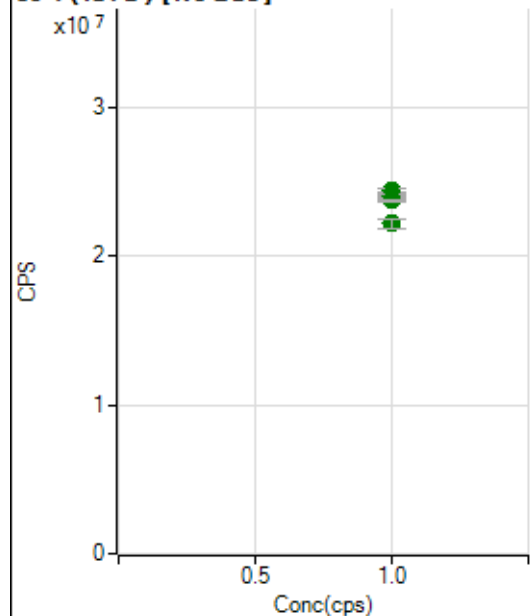
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4737909.30 |       | A    | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4757401.63 |       | A    | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4710667.12 |       | A    | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4651165.28 |       | A    | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4606852.05 |       | A    | 2.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4554617.78 |       | A    | 1.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4317063.34 |       | A    | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4013775.04 |       | A    | 1.8 |

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

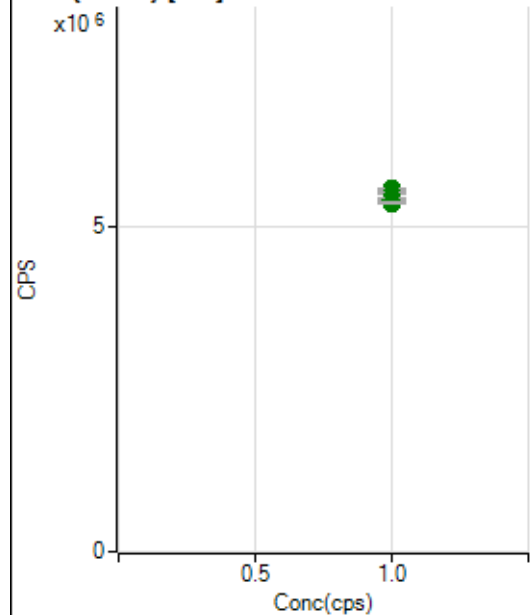
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10938534.14 |       | A    | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10891035.95 |       | A    | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10832121.09 |       | A    | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10683101.23 |       | A    | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10430330.40 |       | A    | 1.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10509752.35 |       | A    | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10526779.29 |       | A    | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9857522.28  |       | A    | 4.6 |

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

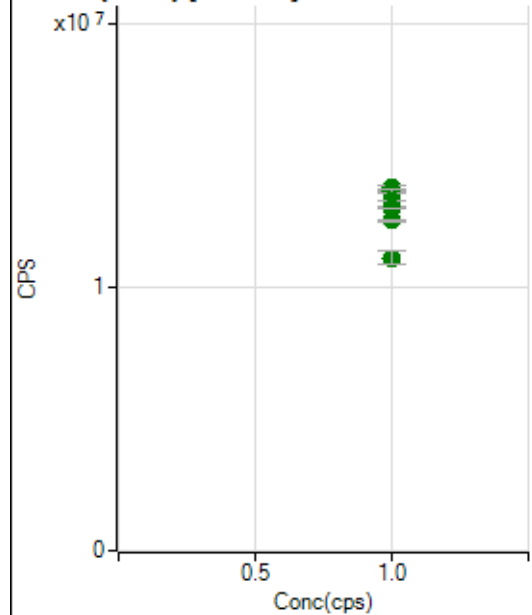
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-----------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 829645.62 |       | P    | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 836470.70 |       | P    | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 833588.77 |       | P    | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 816513.58 |       | P    | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 805142.17 |       | P    | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 794441.78 |       | P    | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 797221.29 |       | P    | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 790690.89 |       | P    | 0.5 |

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

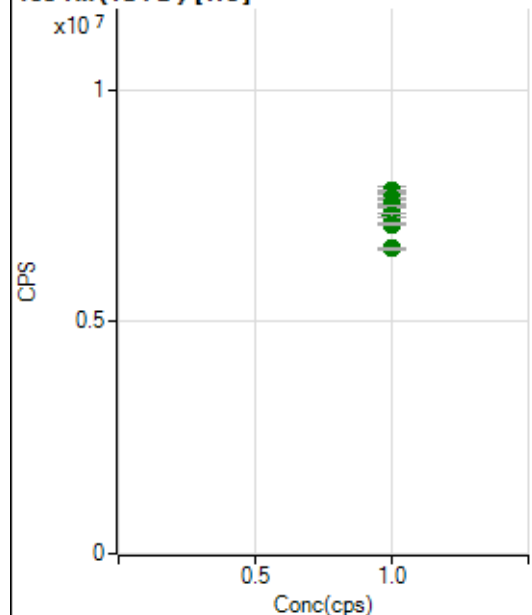
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 24270742.97 |       | A    | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 24356616.58 |       | A    | 1.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 24133376.86 |       | A    | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 23966249.36 |       | A    | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 23932015.20 |       | A    | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 23988783.81 |       | A    | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 23690837.98 |       | A    | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 22166334.67 |       | A    | 3.1 |

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

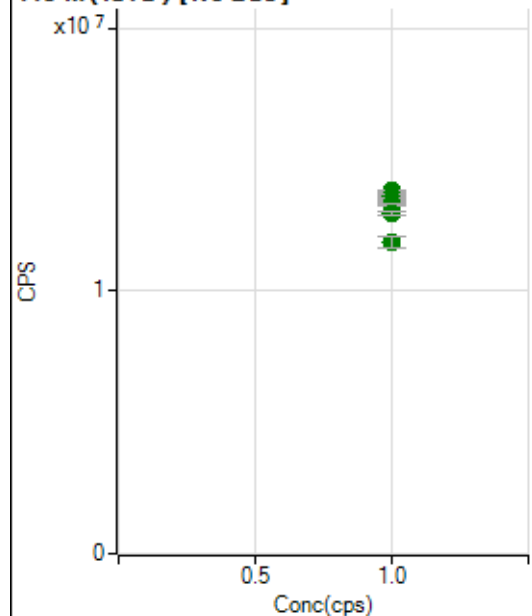
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5570518.28 |       | A    | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5587532.21 |       | A    | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5514325.27 |       | A    | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5442498.70 |       | A    | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5417670.82 |       | A    | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5390011.73 |       | A    | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5415149.33 |       | A    | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5372084.89 |       | A    | 0.8 |

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

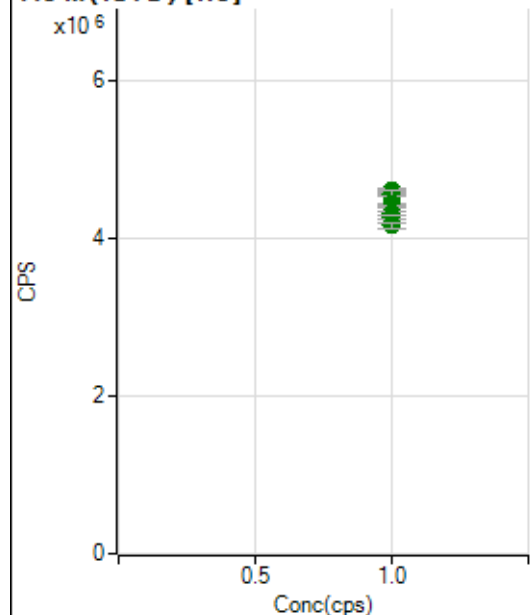
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 13711651.32 |       | A    | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 13793212.02 |       | A    | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 13647138.27 |       | A    | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 13303858.83 |       | A    | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 13049532.31 |       | A    | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 13019904.53 |       | A    | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 12556675.37 |       | A    | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11131401.71 |       | A    | 4.8 |

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

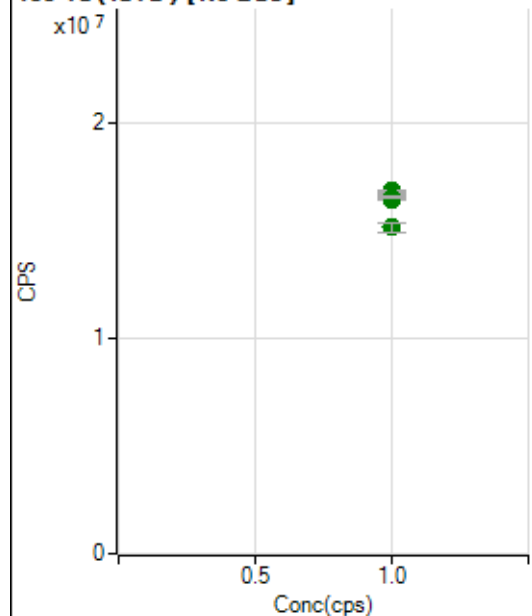
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7813420.09 |       | A    | 2.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7812431.55 |       | A    | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 7656784.12 |       | A    | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7534091.90 |       | A    | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7463596.07 |       | A    | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7283625.31 |       | A    | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7097268.23 |       | A    | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6565011.43 |       | A    | 1.1 |

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

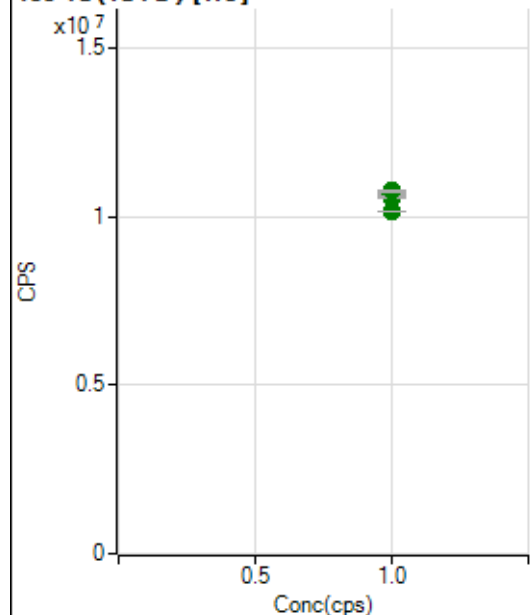
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 13671556.61 |       | A    | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 13806404.98 |       | A    | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 13613929.26 |       | A    | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 13495168.89 |       | A    | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 13326098.38 |       | A    | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 13305330.18 |       | A    | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 12956823.80 |       | A    | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11845013.32 |       | A    | 3.5 |

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

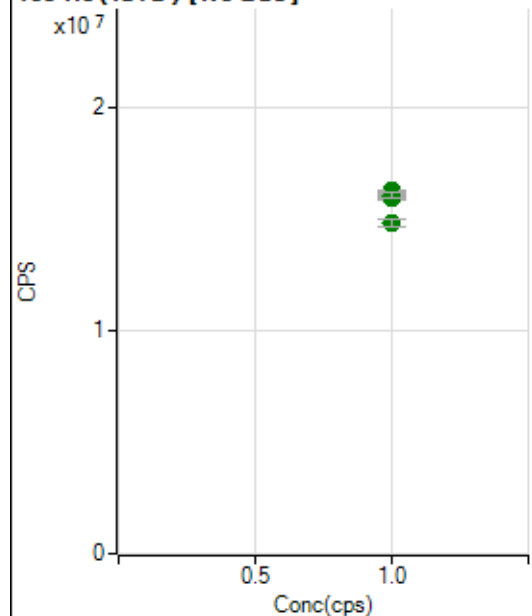
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det | RSD |
|---|--------------------------|-------|------------|------------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4608188.29 |       | A   | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4578076.03 |       | A   | 0.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4576859.53 |       | A   | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4440171.82 |       | A   | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4409978.73 |       | A   | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4333883.22 |       | A   | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4270394.97 |       | A   | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4165529.76 |       | A   | 1.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det | RSD |
|---|--------------------------|-------|------------|-------------|-------|-----|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 16443131.42 |       | A   | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 16714684.19 |       | A   | 1.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 16549290.17 |       | A   | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 16672016.84 |       | A   | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 16599118.09 |       | A   | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 16859774.19 |       | A   | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 16570057.67 |       | A   | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 15154566.16 |       | A   | 3.3 |

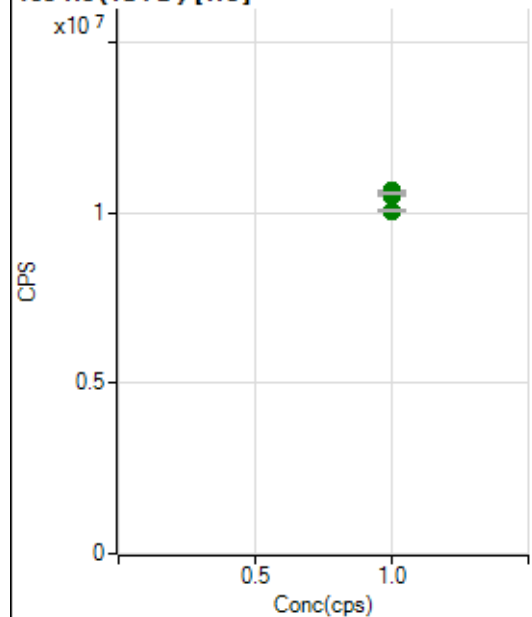
**159 Tb (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10597457.06 |       | A    | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10689802.27 |       | A    | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10747522.76 |       | A    | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10660860.54 |       | A    | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10683781.09 |       | A    | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10605743.80 |       | A    | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10778874.08 |       | A    | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10163176.37 |       | A    | 0.4 |

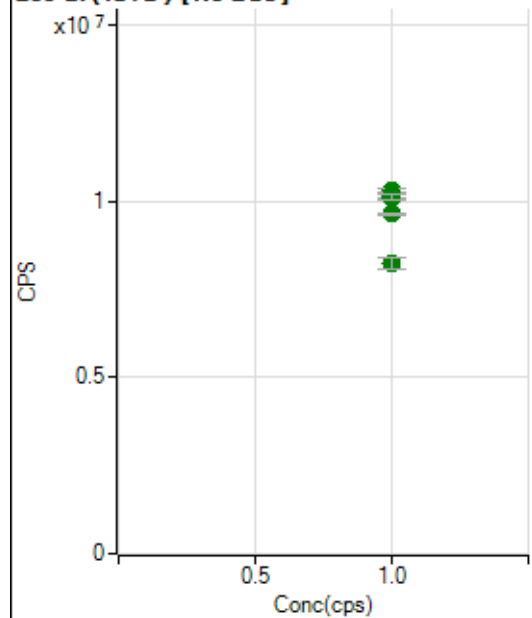
**165 Ho (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 15884142.68 |       | A    | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 16120333.37 |       | A    | 0.4 |
| 3 | <input type="checkbox"/> | 1.000 |            | 16108133.09 |       | A    | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 15949516.15 |       | A    | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 15928184.62 |       | A    | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 16241167.40 |       | A    | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 16047385.59 |       | A    | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 14772407.69 |       | A    | 2.4 |

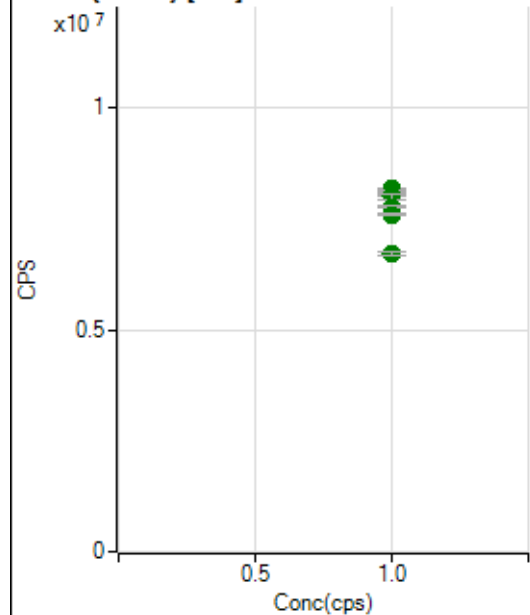


**165 Ho (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10518810.82 |       | A    | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10608387.76 |       | A    | 1.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10588803.59 |       | A    | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10627965.54 |       | A    | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10639612.90 |       | A    | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10494403.73 |       | A    | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10566760.61 |       | A    | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10052497.97 |       | A    | 0.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10220037.76 |       | A    | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            | 10284249.64 |       | A    | 1.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 10177421.65 |       | A    | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10121832.70 |       | A    | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10193779.92 |       | A    | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10107590.54 |       | A    | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9624835.20  |       | A    | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8224506.82  |       | A    | 3.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8089672.94 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8168168.70 |       | A        | 0.2 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8127814.26 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8009629.95 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7992890.16 |       | A        | 1.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7769202.66 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7586181.90 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6727333.23 |       | A        | 1.2 |

# US EPA Tune Check Report

Operator Name Jaswal

Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7101822-MS.b

Acq. Date-Time 2022-10-18 12:30:28

Report Comment ---

Instrument Name G8403A JP14410463

[No Gas]

## Sensitivity

| Mass | Conc. [ug/l] | Count  | CPS        | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%   | RSD% (Required) |
|------|--------------|--------|------------|----------------------------|-------------|--------|-----------------|
| 9    |              | 12493  | 124926.01  |                            |             | 0.657  | 5.000           |
| 24   |              | 141162 | 1411620.57 |                            |             | 0.915  | 5.000           |
| 25   |              | 19074  | 190741.74  |                            |             | 0.570  | 5.000           |
| 26   |              | 22143  | 221428.95  |                            |             | 0.593  | 5.000           |
| 59   |              | 106732 | 1067320.85 |                            |             | 0.750  | 5.000           |
| 113  |              | 10315  | 103151.92  |                            |             | 0.871  | 5.000           |
| 115  |              | 131296 | 1312963.91 |                            |             | 0.474  | 5.000           |
| 206  |              | 27896  | 278958.63  |                            |             | 1.038  | 5.000           |
| 207  |              | 25726  | 257256.88  |                            |             | 0.702  | 5.000           |
| 208  |              | 60061  | 600605.20  |                            |             | 0.565  | 5.000           |
| 220  |              | 0      | 4.20       |                            |             | 27.407 |                 |

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

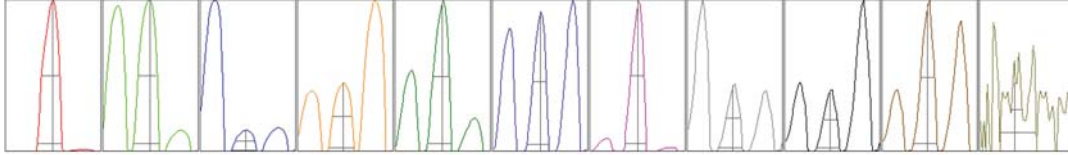
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 12597       | 12524       | 12521       | 12393       | 12428       |
| 24   | 142567      | 140893      | 142251      | 139357      | 140742      |
| 25   | 19174       | 19066       | 19180       | 18919       | 19032       |
| 26   | 22309       | 22231       | 22143       | 21990       | 22041       |
| 59   | 107172      | 105464      | 106723      | 107603      | 106699      |
| 113  | 10447       | 10352       | 10294       | 10208       | 10276       |
| 115  | 132342      | 131313      | 131157      | 130898      | 130772      |
| 206  | 28267       | 28061       | 27845       | 27811       | 27495       |
| 207  | 25970       | 25621       | 25862       | 25550       | 25624       |
| 208  | 60475       | 60047       | 60318       | 59782       | 59680       |

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 23366.14    | 9.00   | 8.90 - 9.10     |             |
| 24   | 242312.34   | 24.00  | 23.90 - 24.10   |             |
| 25   | 32746.86    | 24.95  | 24.90 - 25.10   |             |
| 26   | 37287.82    | 25.95  | 25.90 - 26.10   |             |
| 59   | 212345.58   | 59.00  | 58.90 - 59.10   |             |
| 113  | 24357.13    | 113.05 | 112.90 - 113.10 |             |
| 115  | 312270.04   | 115.05 | 114.90 - 115.10 |             |
| 206  | 60976.06    | 205.95 | 205.90 - 206.10 |             |
| 207  | 56333.54    | 206.95 | 206.90 - 207.10 |             |
| 208  | 135308.57   | 207.95 | 207.90 - 208.10 |             |
| 220  | 0.45        | 219.65 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.57  | 0.775 | 0.900           |             |
| 24   | 0.61  | 0.815 | 0.900           |             |
| 25   | 0.61  | 0.786 | 0.900           |             |
| 26   | 0.63  | 0.792 | 0.900           |             |
| 59   | 0.51  | 0.761 | 0.900           |             |
| 113  | 0.43  | 0.692 | 0.900           |             |
| 115  | 0.43  | 0.680 | 0.900           |             |
| 206  | 0.46  | 0.745 | 0.900           |             |
| 207  | 0.46  | 0.729 | 0.900           |             |
| 208  | 0.44  | 0.753 | 0.900           |             |
| 220  | 0.34  | 1.121 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.78 L/min Dilution Gas 0.40 L/min

# US EPA Tune Check Report

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

## Lens Parameters

|            |          |               |       |            |        |
|------------|----------|---------------|-------|------------|--------|
| Extract 1  | 0.0 V    | Omega Lens    | 9.7 V | Deflect    | 15.2 V |
| Extract 2  | -140.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -75 V    | Cell Exit     | -50 V |            |        |

## Cell Parameters

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

## QP Parameters

|             |     |             |        |         |        |
|-------------|-----|-------------|--------|---------|--------|
| Mass Gain   | 123 | Axis Gain   | 1.0001 | QP Bias | -3.0 V |
| Mass Offset | 125 | Axis Offset | -0.01  |         |        |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -0.6 mm | Torch V | 0.5 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.2 mV | Analog HV | 2213 V | Pulse HV | 1411 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

## Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 33888 | 338880.31 |                            |             | 1.071 |                 |
| 89   |              | 50481 | 504807.14 |                            |             | 1.188 |                 |
| 205  |              | 45040 | 450397.09 |                            |             | 0.996 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 33925       | 34139       | 33878       | 34209       | 33289       |
| 89   | 50607       | 50891       | 50663       | 50816       | 49428       |
| 205  | 45653       | 45304       | 44905       | 44848       | 44489       |

Integration Time [sec] 0.1

## Tune Parameters

### Plasma Parameters

|              |        |                |            |               |            |
|--------------|--------|----------------|------------|---------------|------------|
| Plasma Mode  | ---    | Nebulizer Gas  | 0.78 L/min | Dilution Gas  | 0.40 L/min |
| RF Power     | 1600 W | Option Gas     | ---        | Auxiliary Gas | 0.90 L/min |
| RF Matching  | 1.80 V | Nebulizer Pump | 0.10 rps   | Plasma Gas    | 15.0 L/min |
| Sample Depth | 9.0 mm | S/C Temp       | 2 °C       |               |            |

### Lens Parameters

|           |       |            |        |         |       |
|-----------|-------|------------|--------|---------|-------|
| Extract 1 | 0.0 V | Omega Lens | 10.6 V | Deflect | 3.8 V |
|-----------|-------|------------|--------|---------|-------|

# US EPA Tune Check Report

|            |          |               |       |            |       |
|------------|----------|---------------|-------|------------|-------|
| Extract 2  | -150.0 V | Cell Entrance | -40 V | Plate Bias | -60 V |
| Omega Bias | -75 V    | Cell Exit     | -60 V |            |       |

## Cell Parameters

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

## QP Parameters

|             |     |             |        |         |         |
|-------------|-----|-------------|--------|---------|---------|
| Mass Gain   | 123 | Axis Gain   | 1.0001 | QP Bias | -13.0 V |
| Mass Offset | 125 | Axis Offset | -0.01  |         |         |

## Hardware Settings

### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -0.6 mm | Torch V | 0.5 mm |
|---------|---------|---------|--------|

### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 3.2 mV | Analog HV | 2213 V | Pulse HV | 1411 V |
|---------------|--------|-----------|--------|----------|--------|