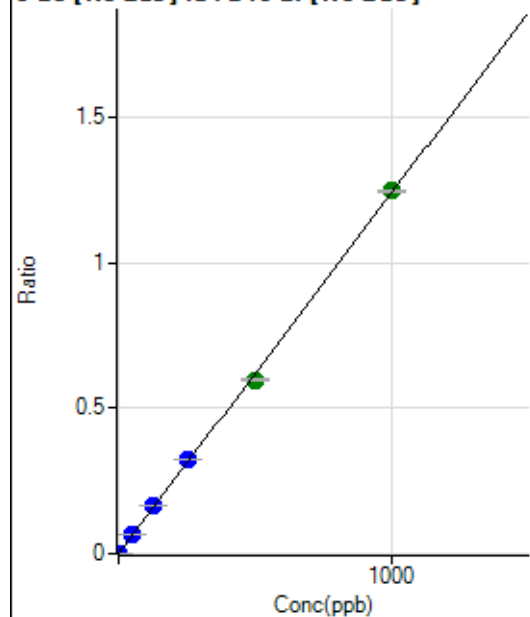


Batch Folder: D:\Agilent\ICPMH\1\DATA\P7041824 MS.b\  
Analysis File: P7041824 MS.batch.bin  
DA Date-Time: 2024-04-18 22:30:32  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2024-04-18 10:06:15 |
| 2     | 006CALS.d          | S02         | 2024-04-18 10:12:47 |
| 3     | 007CALS.d          | S03         | 2024-04-18 10:16:01 |
| 4     | 008CALS.d          | S04         | 2024-04-18 10:19:01 |
| 5     | 009CALS.d          | S05         | 2024-04-18 10:21:49 |
| 6     | 010CALS.d          | S06         | 2024-04-18 10:25:47 |
| 7     | 011CALS.d          | S07         | 2024-04-18 10:28:32 |
| 8     | 012CALS.d          | S08         | 2024-04-18 10:31:20 |

**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      | 135.56     | 0.0000 | P   | 5.6  |
| 2 | <input type="checkbox"/> | 1.000    | 1.079      | 3854.96    | 0.0014 | P   | 3.8  |
| 3 | <input type="checkbox"/> | 50.000   | 54.073     | 186527.54  | 0.0672 | P   | 1.3  |
| 4 | <input type="checkbox"/> | 125.000  | 132.750    | 451803.00  | 0.1650 | P   | 2.5  |
| 5 | <input type="checkbox"/> | 250.000  | 260.629    | 874283.84  | 0.3238 | P   | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 481.265    | 1598312.58 | 0.5979 | A   | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1005.538   | 3203925.79 | 1.2492 | A   | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 1340.07    | 0.0005 | P   | 17.9 |

$$y = 0.0012 * x + 4.9731E-005$$

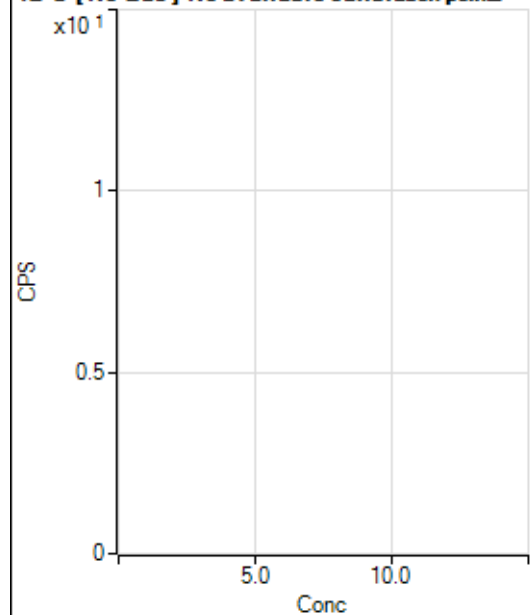
$$R = 0.9997$$

$$DL = 0.006696$$

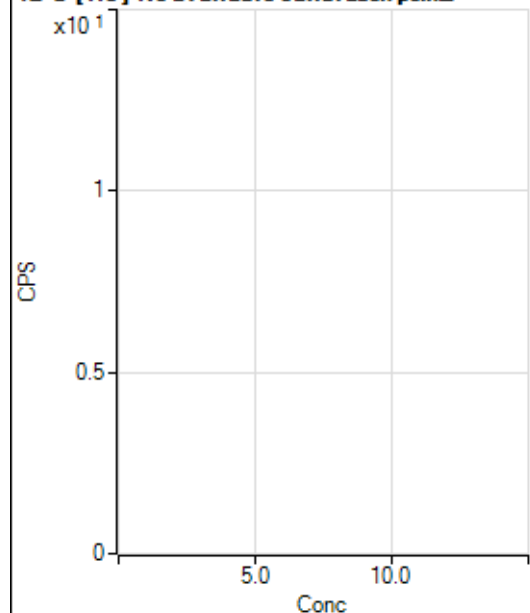
$$BEC = 0.04003$$

Weight: &lt;None&gt;

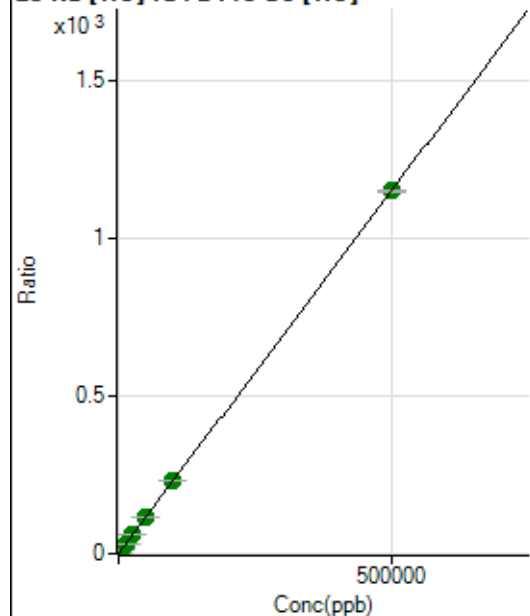
Min Conc: 0

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

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

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS | Ratio | Det | 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      | 45133.71     | 0.0959    | P   | 0.9 |
| 2 | <input type="checkbox"/> | 500.000   | 493.374    | 575918.96    | 1.2289    | P   | 1.3 |
| 3 | <input type="checkbox"/> | 5000.000  | 5090.888   | 5441435.27   | 11.7871   | A   | 0.2 |
| 4 | <input type="checkbox"/> | 12500.000 | 12740.556  | 12980039.67  | 29.3545   | A   | 0.7 |
| 5 | <input type="checkbox"/> | 25000.000 | 25465.882  | 25611667.12  | 58.5781   | A   | 0.7 |
| 6 | <input type="checkbox"/> | 50000.000 | 49665.100  | 49871452.59  | 114.1515  | A   | 0.1 |
| 7 | <input type="checkbox"/> | 100000.00 | 100137.17  | 101199066.27 | 230.0602  | A   | 0.7 |
| 8 | <input type="checkbox"/> | 500000.00 | 499975.84  | 510966121.28 | 1,148.286 | A   | 0.4 |

$$y = 0.0023 * x + 0.0959$$

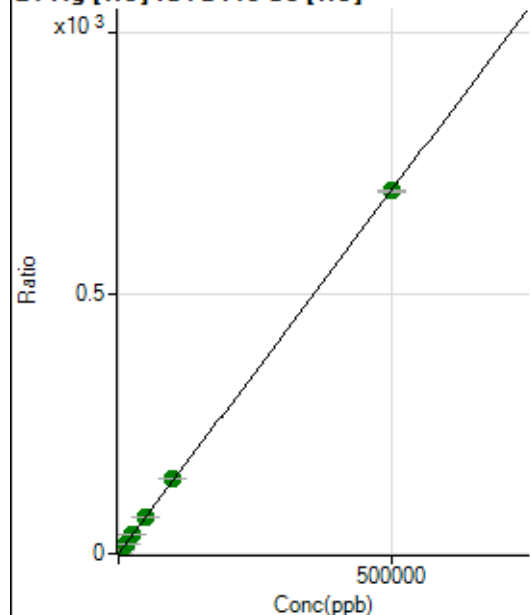
$$R = 1.0000$$

$$DL = 1.09$$

$$BEC = 41.76$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS          | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|--------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1368.97      | 0.0029   | P   | 3.4 |
| 2 | <input type="checkbox"/> | 500.000   | 508.897    | 334293.05    | 0.7133   | P   | 0.8 |
| 3 | <input type="checkbox"/> | 5000.000  | 5314.039   | 3425889.08   | 7.4213   | A   | 0.9 |
| 4 | <input type="checkbox"/> | 12500.000 | 13154.758  | 8121473.97   | 18.3668  | A   | 0.5 |
| 5 | <input type="checkbox"/> | 25000.000 | 26159.021  | 15967653.65  | 36.5206  | A   | 0.4 |
| 6 | <input type="checkbox"/> | 50000.000 | 51373.677  | 31333695.09  | 71.7201  | A   | 0.1 |
| 7 | <input type="checkbox"/> | 100000.00 | 102467.27  | 62927358.51  | 143.0462 | A   | 1.1 |
| 8 | <input type="checkbox"/> | 500000.00 | 499291.70  | 310161137.60 | 697.0092 | A   | 0.4 |

$$y = 0.0014 * x + 0.0029$$

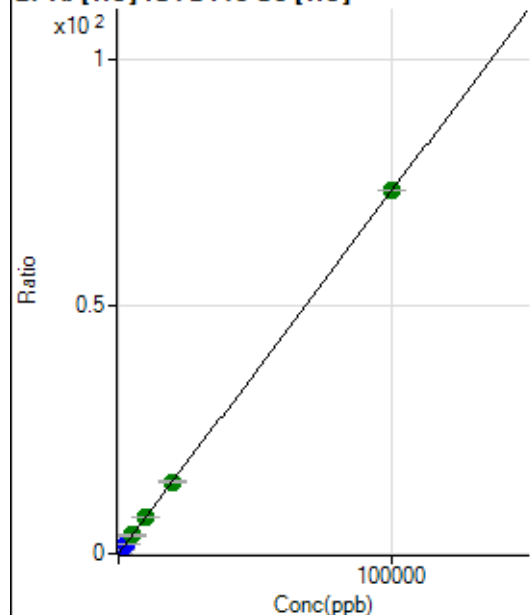
$$R = 1.0000$$

$$DL = 0.2126$$

$$BEC = 2.084$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 194.45      | 0.0004  | P   | 10.7 |
| 2 | <input type="checkbox"/> | 20.000    | 20.163     | 7121.70     | 0.0152  | P   | 1.2  |
| 3 | <input type="checkbox"/> | 1000.000  | 1076.362   | 364506.76   | 0.7896  | P   | 0.4  |
| 4 | <input type="checkbox"/> | 2500.000  | 2640.437   | 856210.27   | 1.9363  | P   | 1.1  |
| 5 | <input type="checkbox"/> | 5000.000  | 5053.809   | 1620272.51  | 3.7058  | A   | 1.3  |
| 6 | <input type="checkbox"/> | 10000.000 | 9865.222   | 3160183.98  | 7.2335  | A   | 0.9  |
| 7 | <input type="checkbox"/> | 20000.000 | 19786.176  | 6381884.83  | 14.5074 | A   | 1.1  |
| 8 | <input type="checkbox"/> | 100000.00 | 100049.27  | 32642373.40 | 73.3553 | A   | 0.2  |

$$y = 7.3319E-004 * x + 4.1335E-004$$

$$R = 1.0000$$

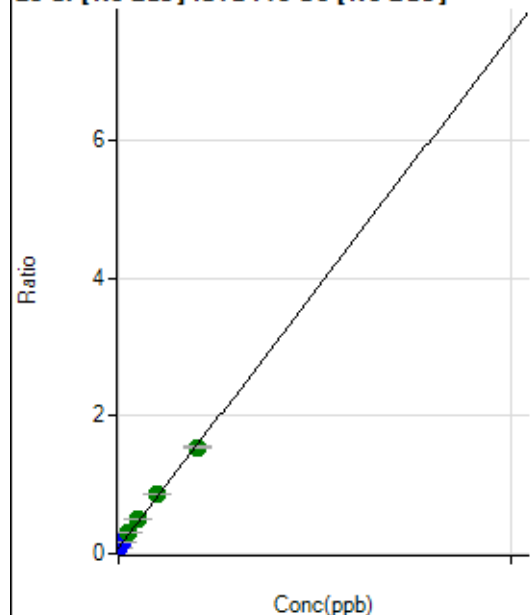
$$DL = 0.1817$$

$$BEC = 0.5638$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 510973.70  | 0.0828 | P   | 0.8 |
| 2 | <input type="checkbox"/> | 10.000   | 6.962      | 573111.75  | 0.0932 | P   | 1.2 |
| 3 | <input type="checkbox"/> | 50.000   | 56.967     | 1034530.26 | 0.1676 | P   | 0.5 |
| 4 | <input type="checkbox"/> | 125.000  | 147.121    | 1788889.35 | 0.3019 | A   | 1.8 |
| 5 | <input type="checkbox"/> | 250.000  | 277.438    | 2843617.77 | 0.4960 | A   | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 524.699    | 4928311.49 | 0.8642 | A   | 0.5 |
| 7 | <input type="checkbox"/> | 1000.000 | 977.708    | 8800386.47 | 1.5388 | A   | 2.0 |
| 8 | <input type="checkbox"/> |          |            | 866152.30  | 0.1497 | P   | 2.2 |

$$y = 0.0015 * x + 0.0828$$

$$R = 0.9989$$

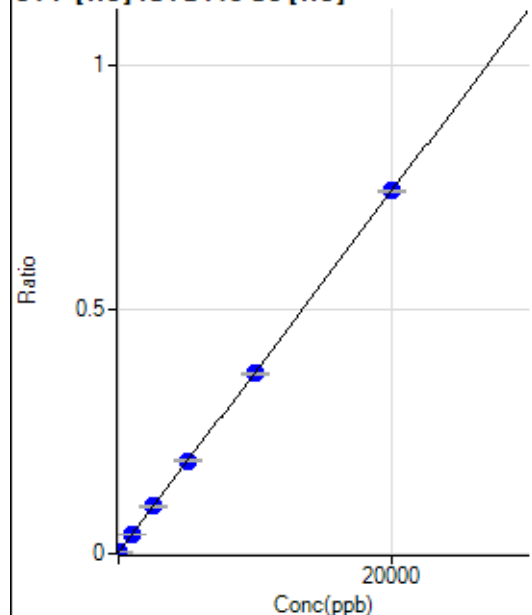
$$DL = 1.287$$

$$BEC = 55.61$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | -15.956    | 681.13    | 0.0014 | P   | 5.2 |
| 2 | <input type="checkbox"/> | 0.000     | 15.956     | 1231.17   | 0.0026 | P   | 5.0 |
| 3 | <input type="checkbox"/> | 1000.000  | 1020.907   | 18357.77  | 0.0398 | P   | 2.2 |
| 4 | <input type="checkbox"/> | 2500.000  | 2555.090   | 42657.02  | 0.0965 | P   | 0.5 |
| 5 | <input type="checkbox"/> | 5000.000  | 5078.827   | 82958.65  | 0.1897 | P   | 1.2 |
| 6 | <input type="checkbox"/> | 10000.000 | 9919.497   | 161052.49 | 0.3686 | P   | 1.3 |
| 7 | <input type="checkbox"/> | 20000.000 | 20012.613  | 326246.57 | 0.7417 | P   | 0.4 |
| 8 | <input type="checkbox"/> |           |            | 863.37    | 0.0019 | P   | 4.9 |

$$y = 3.6958E-005 * x + 0.0020$$

$$R = 1.0000$$

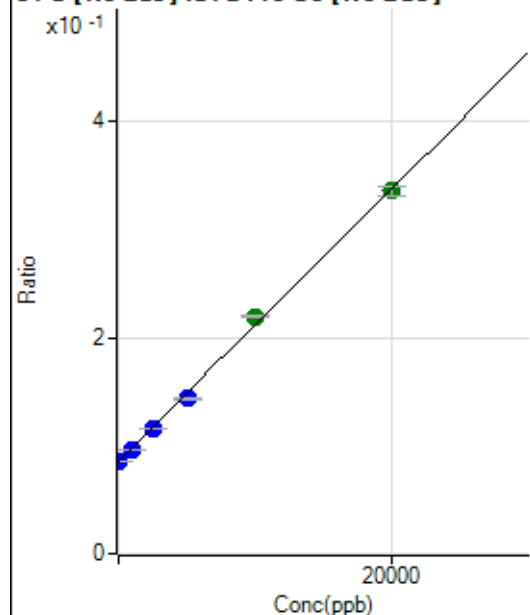
$$DL = 8.347$$

$$BEC = 55.12$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | -30.492    | 526123.28  | 0.0853 | P   | 1.1 |
| 2 | <input type="checkbox"/> | 0.000     | 30.492     | 529173.02  | 0.0860 | P   | 0.2 |
| 3 | <input type="checkbox"/> | 1000.000  | 821.176    | 592415.89  | 0.0960 | P   | 1.2 |
| 4 | <input type="checkbox"/> | 2500.000  | 2359.329   | 683778.86  | 0.1154 | P   | 1.0 |
| 5 | <input type="checkbox"/> | 5000.000  | 4583.942   | 822294.64  | 0.1434 | P   | 1.3 |
| 6 | <input type="checkbox"/> | 10000.000 | 10603.745  | 1250616.29 | 0.2193 | A   | 0.5 |
| 7 | <input type="checkbox"/> | 20000.000 | 19828.667  | 1919043.63 | 0.3355 | A   | 2.3 |
| 8 | <input type="checkbox"/> |           |            | 485562.57  | 0.0839 | P   | 1.9 |

$$y = 1.2603E-005 * x + 0.0857$$

R = 0.9991

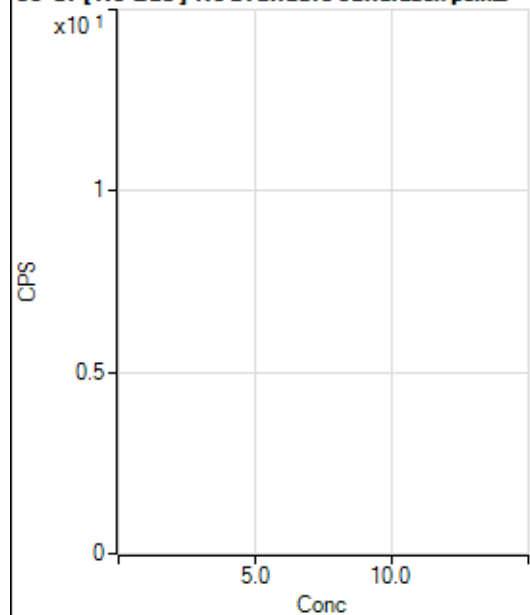
DL = 123.7

BEC = 6797

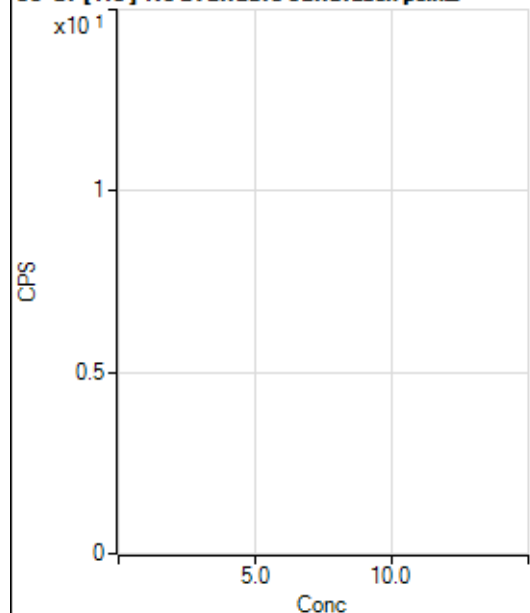
Weight: &lt;None&gt;

Min Conc: 0

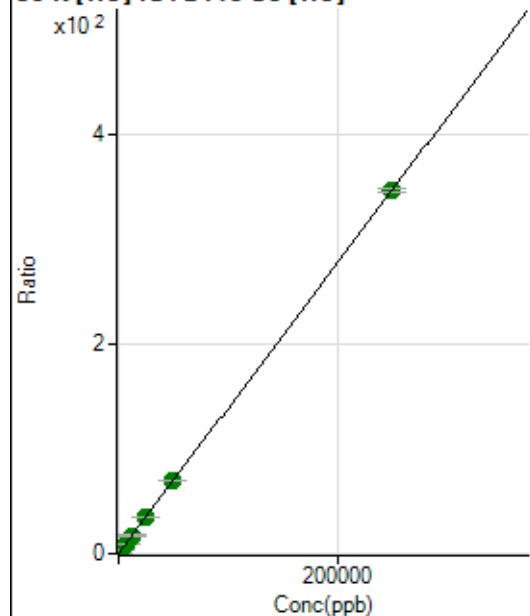
35 Cl [No Gas] No available calibration points



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

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS | Ratio | Det | 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      | 90662.19     | 0.1927   | P   | 0.3 |
| 2 | <input type="checkbox"/> | 500.000   | 495.795    | 412321.11    | 0.8798   | P   | 0.7 |
| 3 | <input type="checkbox"/> | 2500.000  | 2542.921   | 1716021.23   | 3.7171   | A   | 1.0 |
| 4 | <input type="checkbox"/> | 6250.000  | 6264.072   | 3924140.22   | 8.8744   | A   | 0.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 12443.740  | 7624837.53   | 17.4392  | A   | 0.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 24633.229  | 14999634.08  | 34.3334  | A   | 0.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 49900.907  | 30506669.82  | 69.3536  | A   | 0.7 |
| 8 | <input type="checkbox"/> | 250000.00 | 250058.53  | 154307184.37 | 346.7649 | A   | 1.0 |

$$y = 0.0014 * x + 0.1927$$

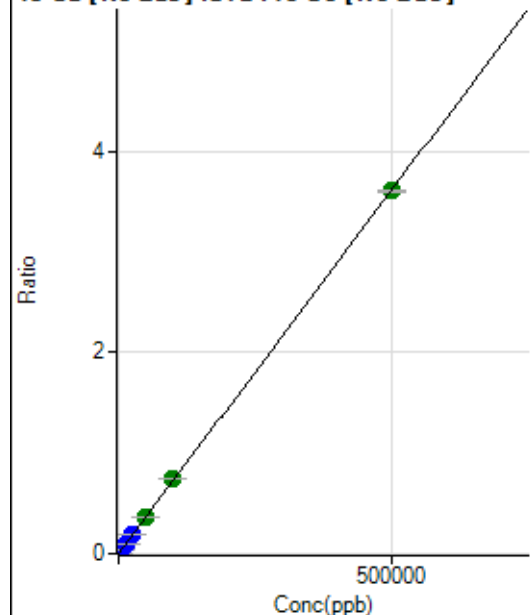
$$R = 1.0000$$

$$DL = 1.446$$

$$BEC = 139$$

Weight: &lt;None&gt;

Min Conc: 0

**43 Ca [No Gas] ISTD:45 Sc [No Gas]**

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 665.37      | 0.0001 | P   | 11.5 |
| 2 | <input type="checkbox"/> | 500.000   | 503.186    | 23039.77    | 0.0037 | P   | 0.9  |
| 3 | <input type="checkbox"/> | 5000.000  | 5412.562   | 242152.95   | 0.0392 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 12500.000 | 13496.126  | 578868.71   | 0.0977 | P   | 1.3  |
| 5 | <input type="checkbox"/> | 25000.000 | 26776.297  | 1110666.32  | 0.1937 | P   | 0.2  |
| 6 | <input type="checkbox"/> | 50000.000 | 50571.831  | 2085609.83  | 0.3658 | A   | 2.4  |
| 7 | <input type="checkbox"/> | 100000.00 | 103139.69  | 4265962.34  | 0.7459 | A   | 1.1  |
| 8 | <input type="checkbox"/> | 500000.00 | 499197.03  | 20883044.26 | 3.6095 | A   | 0.4  |

$$y = 7.2304\text{E-}006 * x + 1.0790\text{E-}004$$

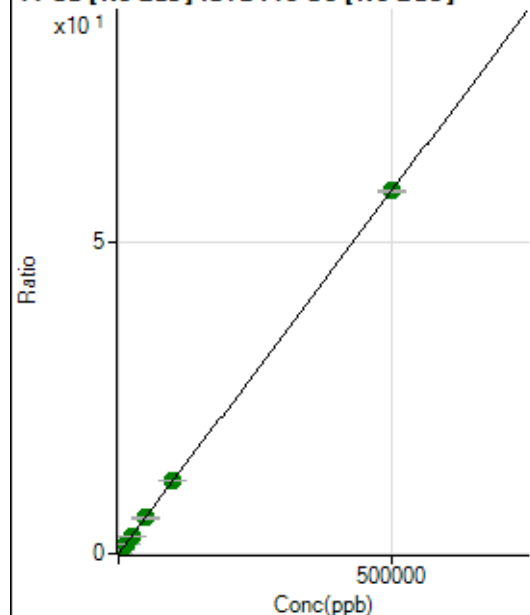
$$R = 1.0000$$

$$DL = 5.128$$

$$BEC = 14.92$$

Weight: &lt;None&gt;

Min Conc: 0

**44 Ca [No Gas] ISTD:45 Sc [No Gas]**

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS          | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|--------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 18947.65     | 0.0031  | P   | 1.4 |
| 2 | <input type="checkbox"/> | 500.000   | 505.057    | 380078.60    | 0.0618  | P   | 1.2 |
| 3 | <input type="checkbox"/> | 5000.000  | 5052.584   | 3644457.37   | 0.5906  | A   | 0.1 |
| 4 | <input type="checkbox"/> | 12500.000 | 12427.140  | 8580850.79   | 1.4481  | A   | 1.1 |
| 5 | <input type="checkbox"/> | 25000.000 | 24850.915  | 16586021.68  | 2.8927  | A   | 0.2 |
| 6 | <input type="checkbox"/> | 50000.000 | 49018.109  | 32521958.01  | 5.7029  | A   | 0.7 |
| 7 | <input type="checkbox"/> | 100000.00 | 100093.58  | 66587234.43  | 11.6419 | A   | 1.0 |
| 8 | <input type="checkbox"/> | 500000.00 | 500088.21  | 336449320.62 | 58.1531 | A   | 0.5 |

$$y = 1.1628\text{E-}004 * x + 0.0031$$

$$R = 1.0000$$

$$DL = 1.147$$

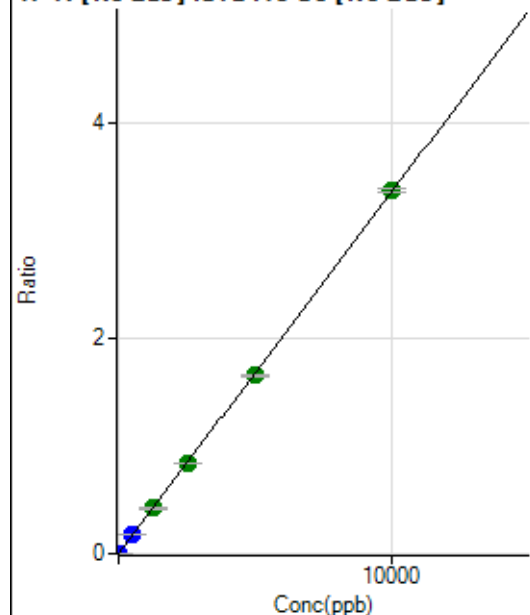
$$BEC = 26.41$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 180.00      | 0.0000 | P   | 4.3  |
| 2 | <input type="checkbox"/> | 5.000     | 4.965      | 10418.12    | 0.0017 | P   | 2.0  |
| 3 | <input type="checkbox"/> | 500.000   | 510.586    | 1056669.11  | 0.1712 | P   | 0.3  |
| 4 | <input type="checkbox"/> | 1250.000  | 1252.617   | 2489015.29  | 0.4200 | A   | 1.1  |
| 5 | <input type="checkbox"/> | 2500.000  | 2514.342   | 4834093.19  | 0.8431 | A   | 0.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 4921.606   | 9411197.71  | 1.6503 | A   | 0.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 10034.755  | 19245348.19 | 3.3648 | A   | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 7375.23     | 0.0013 | P   | 16.4 |

$$y = 3.3531E-004 * x + 2.9179E-005$$

$$R = 1.0000$$

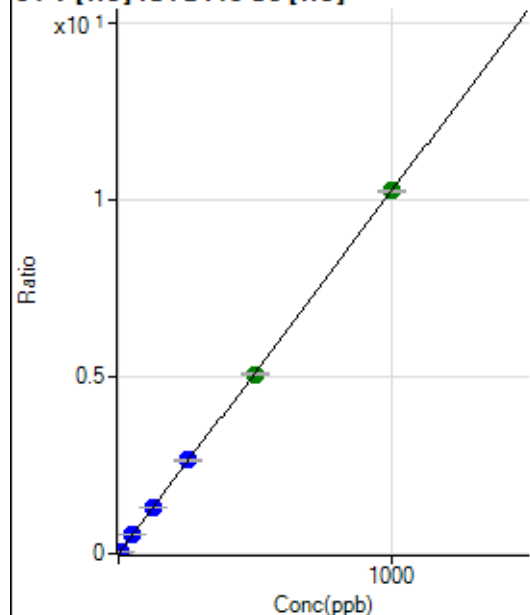
$$DL = 0.01119$$

$$BEC = 0.08702$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 11.11      | 0.0000  | P   | 62.6 |
| 2 | <input type="checkbox"/> | 5.000    | 4.987      | 23966.89   | 0.0511  | P   | 1.0  |
| 3 | <input type="checkbox"/> | 50.000   | 51.970     | 245917.41  | 0.5327  | P   | 0.5  |
| 4 | <input type="checkbox"/> | 125.000  | 129.079    | 585019.50  | 1.3230  | P   | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 257.442    | 1153700.51 | 2.6387  | P   | 0.3  |
| 6 | <input type="checkbox"/> | 500.000  | 493.984    | 2212012.40 | 5.0632  | A   | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1000.539   | 4510979.59 | 10.2552 | A   | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 2085.72    | 0.0047  | P   | 4.8  |

$$y = 0.0102 * x + 2.3610E-005$$

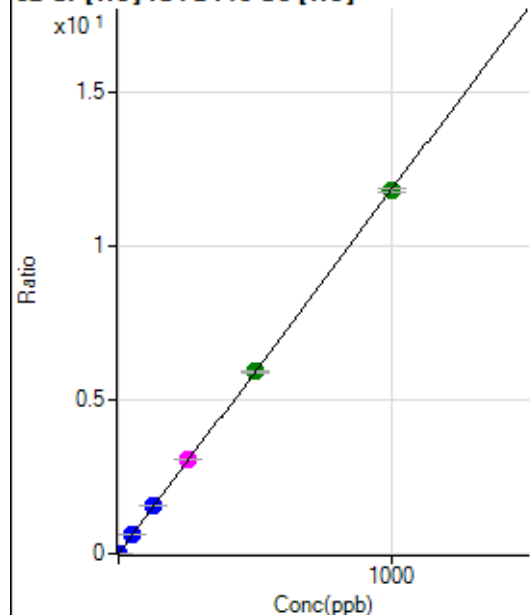
$$R = 0.9999$$

$$DL = 0.004327$$

$$BEC = 0.002303$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2688.05    | 0.0057  | P   | 2.8 |
| 2 | <input type="checkbox"/> | 2.000    | 1.996      | 13757.47   | 0.0294  | P   | 1.5 |
| 3 | <input type="checkbox"/> | 50.000   | 53.380     | 294492.36  | 0.6379  | P   | 0.3 |
| 4 | <input type="checkbox"/> | 125.000  | 131.429    | 690806.37  | 1.5623  | P   | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 258.217    | 1339592.91 | 3.0639  | M   | 1.6 |
| 6 | <input type="checkbox"/> | 500.000  | 499.858    | 2588846.26 | 5.9257  | A   | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 997.044    | 5196728.57 | 11.8141 | A   | 1.1 |
| 8 | <input type="checkbox"/> |          |            | 115309.79  | 0.2591  | P   | 0.9 |

$$y = 0.0118 * x + 0.0057$$

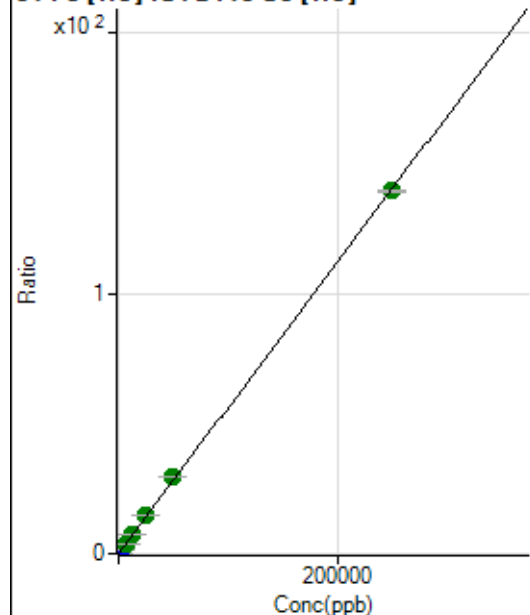
$$R = 1.0000$$

$$DL = 0.03999$$

$$BEC = 0.4823$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 2179.07     | 0.0046   | P   | 3.3 |
| 2 | <input type="checkbox"/> | 50.000    | 55.455     | 16702.73    | 0.0356   | P   | 1.0 |
| 3 | <input type="checkbox"/> | 2500.000  | 2929.769   | 758430.50   | 1.6429   | P   | 0.2 |
| 4 | <input type="checkbox"/> | 6250.000  | 6978.563   | 1727528.81  | 3.9068   | A   | 1.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 13511.334  | 3305313.18  | 7.5598   | A   | 1.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 26267.805  | 6419074.63  | 14.6928  | A   | 0.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 53159.752  | 13077221.33 | 29.7300  | A   | 1.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 249168.19  | 62000788.52 | 139.3322 | A   | 0.4 |

$$y = 5.5917E-004 * x + 0.0046$$

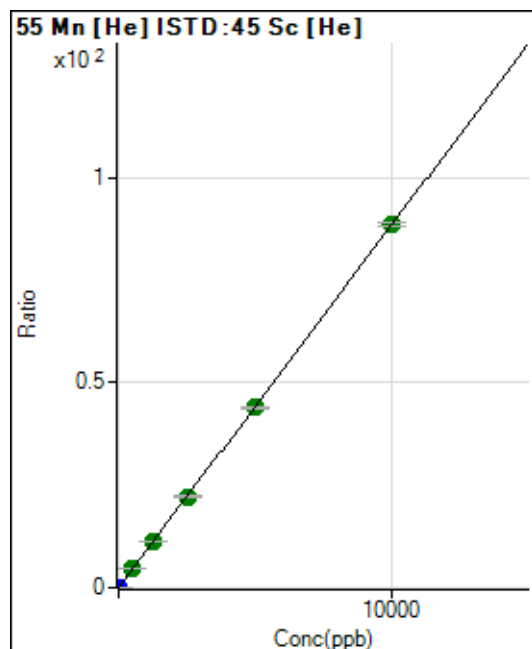
$$R = 0.9999$$

$$DL = 0.8079$$

$$BEC = 8.281$$

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      | 251.11      | 0.0005  | P   | 8.6 |
| 2 | <input type="checkbox"/> | 1.000     | 1.043      | 4572.96     | 0.0098  | P   | 3.1 |
| 3 | <input type="checkbox"/> | 500.000   | 516.273    | 2107012.95  | 4.5640  | A   | 0.6 |
| 4 | <input type="checkbox"/> | 1250.000  | 1281.264   | 5008233.29  | 11.3261 | A   | 0.9 |
| 5 | <input type="checkbox"/> | 2500.000  | 2514.698   | 9718988.46  | 22.2288 | A   | 1.1 |
| 6 | <input type="checkbox"/> | 5000.000  | 4972.172   | 19201524.16 | 43.9512 | A   | 0.6 |
| 7 | <input type="checkbox"/> | 10000.000 | 10005.518  | 38902816.92 | 88.4427 | A   | 1.0 |
| 8 | <input type="checkbox"/> |           |            | 37837.47    | 0.0850  | P   | 0.9 |

$$y = 0.0088 * x + 5.3360E-004$$

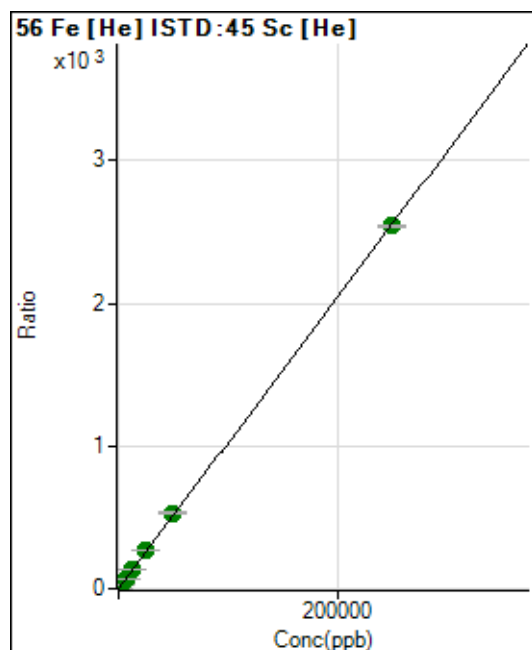
$$R = 1.0000$$

$$DL = 0.01549$$

$$BEC = 0.06037$$

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      | 10960.74     | 0.0233    | P   | 1.9 |
| 2 | <input type="checkbox"/> | 50.000    | 53.985     | 268688.17    | 0.5733    | P   | 0.5 |
| 3 | <input type="checkbox"/> | 2500.000  | 2693.969   | 12681841.20  | 27.4708   | A   | 0.5 |
| 4 | <input type="checkbox"/> | 6250.000  | 6773.730   | 30527275.38  | 69.0376   | A   | 0.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 13261.151  | 59083899.68  | 135.1348  | A   | 0.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 25900.636  | 115298234.95 | 263.9124  | A   | 0.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 52071.852  | 233378098.74 | 530.5584  | A   | 0.7 |
| 8 | <input type="checkbox"/> | 250000.00 | 249442.47  | 1130895992.0 | 2,541.473 | A   | 0.6 |

$$y = 0.0102 * x + 0.0233$$

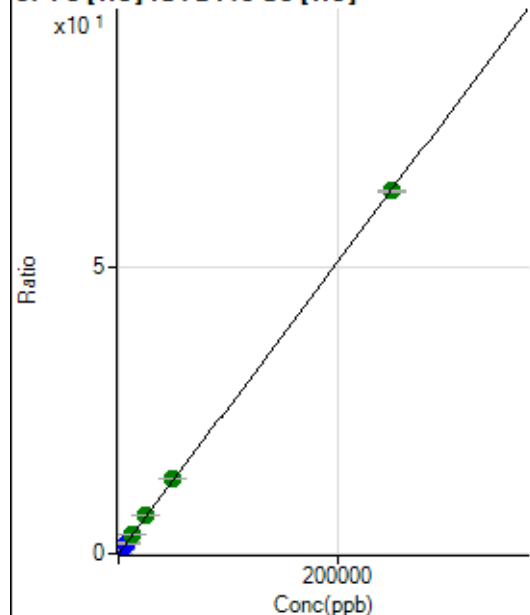
$$R = 1.0000$$

$$DL = 0.1325$$

$$BEC = 2.286$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det | RSD |
|---|--------------------------|-----------|------------|-------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 755.58      | 0.0016  | P   | 3.8 |
| 2 | <input type="checkbox"/> | 50.000    | 56.142     | 7444.14     | 0.0159  | P   | 1.5 |
| 3 | <input type="checkbox"/> | 2500.000  | 2884.046   | 339329.49   | 0.7351  | P   | 0.9 |
| 4 | <input type="checkbox"/> | 6250.000  | 7254.686   | 816529.86   | 1.8466  | P   | 0.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 13352.333  | 1485385.67  | 3.3973  | A   | 0.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 26261.070  | 2918469.05  | 6.6802  | A   | 1.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 51729.750  | 5787399.15  | 13.1573 | A   | 1.1 |
| 8 | <input type="checkbox"/> | 250000.00 | 249456.36  | 28229919.86 | 63.4423 | A   | 0.8 |

$$y = 2.5432\text{E-}004 * x + 0.0016$$

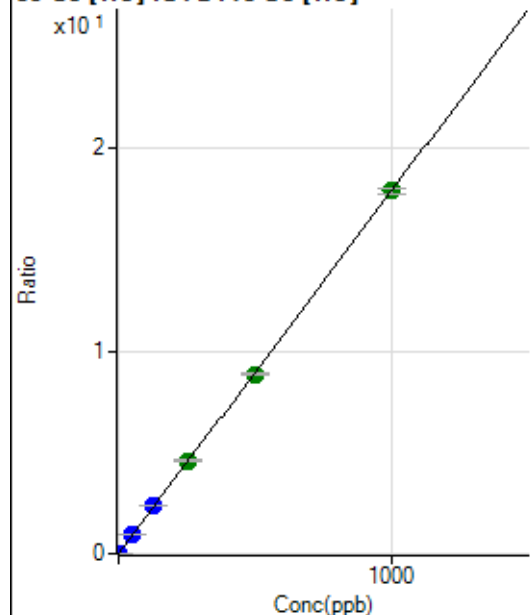
$$R = 1.0000$$

$$DL = 0.7254$$

$$BEC = 6.313$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 156.67     | 0.0003  | P   | 23.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.073      | 9159.55    | 0.0195  | P   | 2.2  |
| 3 | <input type="checkbox"/> | 50.000   | 53.421     | 441558.30  | 0.9565  | P   | 0.2  |
| 4 | <input type="checkbox"/> | 125.000  | 132.942    | 1052307.08 | 2.3798  | P   | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 256.473    | 2007217.72 | 4.5908  | A   | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 494.461    | 3866627.86 | 8.8505  | A   | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.987    | 7872621.62 | 17.8986 | A   | 1.9  |
| 8 | <input type="checkbox"/> |          |            | 24525.66   | 0.0551  | P   | 1.9  |

$$y = 0.0179 * x + 3.3323\text{E-}004$$

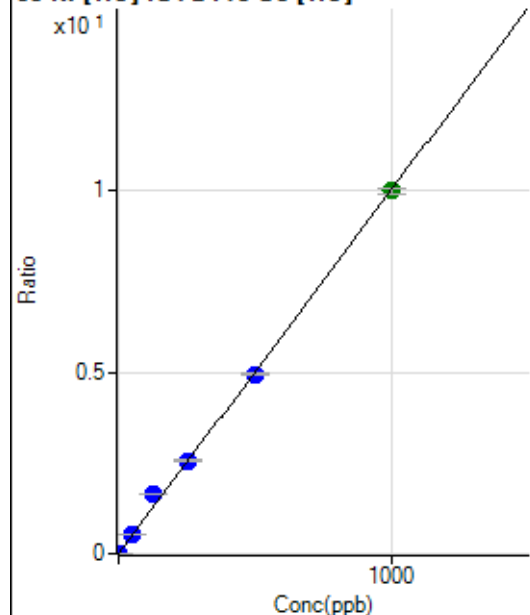
$$R = 0.9999$$

$$DL = 0.01313$$

$$BEC = 0.01862$$

Weight: &lt;None&gt;

Min Conc: 0

**60 Ni [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      | 244.78     | 0.0005 | P   | 9.8 |
| 2 | <input type="checkbox"/> | 1.000    | 1.047      | 5158.08    | 0.0110 | P   | 1.6 |
| 3 | <input type="checkbox"/> | 50.000   | 54.029     | 250159.12  | 0.5419 | P   | 0.5 |
| 4 | <input type="checkbox"/> | 125.000  | 162.462    | 720044.39  | 1.6284 | P   | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 255.957    | 1121566.01 | 2.5652 | P   | 0.3 |
| 6 | <input type="checkbox"/> | 500.000  | 493.823    | 2161984.47 | 4.9486 | P   | 0.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 996.715    | 4393089.86 | 9.9876 | A   | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 37398.91   | 0.0840 | P   | 0.6 |

$$y = 0.0100 * x + 5.2011E-004$$

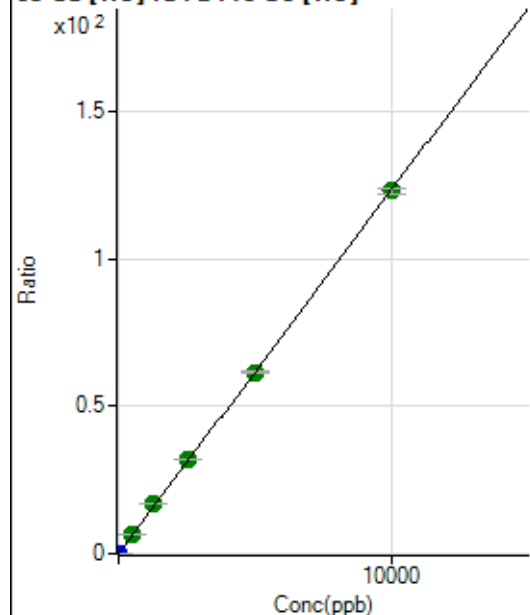
$$R = 0.9993$$

$$DL = 0.0153$$

$$BEC = 0.05191$$

Weight: &lt;None&gt;

Min Conc: 0

**63 Cu [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      | 1141.17     | 0.0024   | P   | 9.0 |
| 2 | <input type="checkbox"/> | 2.000     | 2.033      | 12881.17    | 0.0275   | P   | 2.1 |
| 3 | <input type="checkbox"/> | 500.000   | 540.352    | 3076764.68  | 6.6648   | A   | 0.2 |
| 4 | <input type="checkbox"/> | 1250.000  | 1357.221   | 7400559.40  | 16.7365  | A   | 0.7 |
| 5 | <input type="checkbox"/> | 2500.000  | 2579.456   | 13906297.43 | 31.8063  | A   | 0.7 |
| 6 | <input type="checkbox"/> | 5000.000  | 4985.209   | 26854595.43 | 61.4684  | A   | 0.4 |
| 7 | <input type="checkbox"/> | 10000.000 | 9972.111   | 54083151.97 | 122.9552 | A   | 1.3 |
| 8 | <input type="checkbox"/> |           |            | 26648.23    | 0.0599   | P   | 3.0 |

$$y = 0.0123 * x + 0.0024$$

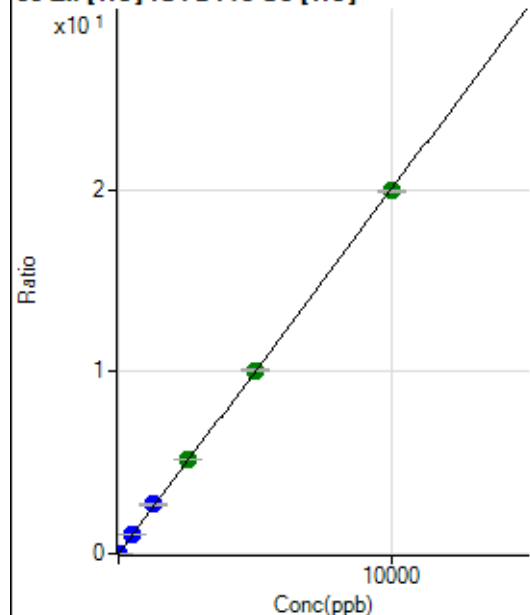
$$R = 0.9999$$

$$DL = 0.05332$$

$$BEC = 0.1967$$

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      | 1092.27    | 0.0023  | P   | 5.7 |
| 2 | <input type="checkbox"/> | 5.000     | 4.968      | 5750.05    | 0.0123  | P   | 3.4 |
| 3 | <input type="checkbox"/> | 500.000   | 539.028    | 499255.47  | 1.0815  | P   | 1.1 |
| 4 | <input type="checkbox"/> | 1250.000  | 1344.864   | 1191599.89 | 2.6948  | P   | 0.5 |
| 5 | <input type="checkbox"/> | 2500.000  | 2594.644   | 2272216.88 | 5.1970  | A   | 0.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 5023.801   | 4395157.40 | 10.0603 | A   | 0.7 |
| 7 | <input type="checkbox"/> | 10000.000 | 9950.629   | 8764244.94 | 19.9241 | A   | 0.2 |
| 8 | <input type="checkbox"/> |           |            | 9672.09    | 0.0217  | P   | 1.8 |

$$y = 0.0020 * x + 0.0023$$

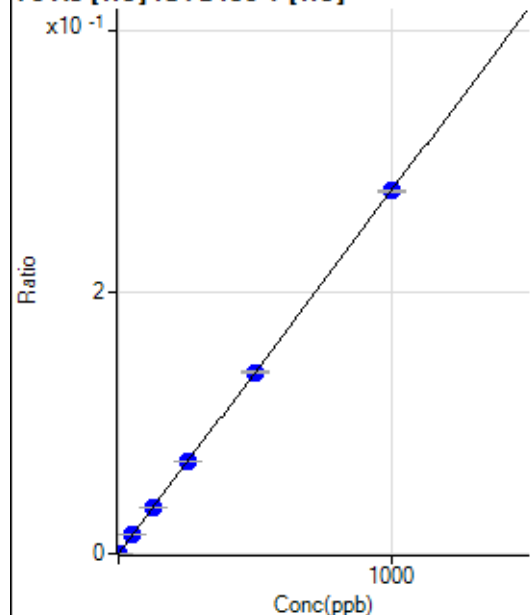
$$R = 0.9999$$

$$DL = 0.1996$$

$$BEC = 1.16$$

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      | 6.67      | 0.0000 | P   | 51.0 |
| 2 | <input type="checkbox"/> | 1.000    | 0.977      | 581.13    | 0.0003 | P   | 9.2  |
| 3 | <input type="checkbox"/> | 50.000   | 52.289     | 30534.77  | 0.0145 | P   | 0.4  |
| 4 | <input type="checkbox"/> | 125.000  | 129.203    | 72542.66  | 0.0358 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 252.274    | 141536.69 | 0.0700 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 500.000  | 499.490    | 278970.87 | 0.1385 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.047    | 565629.77 | 0.2771 | P   | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 438.90    | 0.0002 | P   | 11.6 |

$$y = 2.7734E-004 * x + 3.1399E-006$$

$$R = 1.0000$$

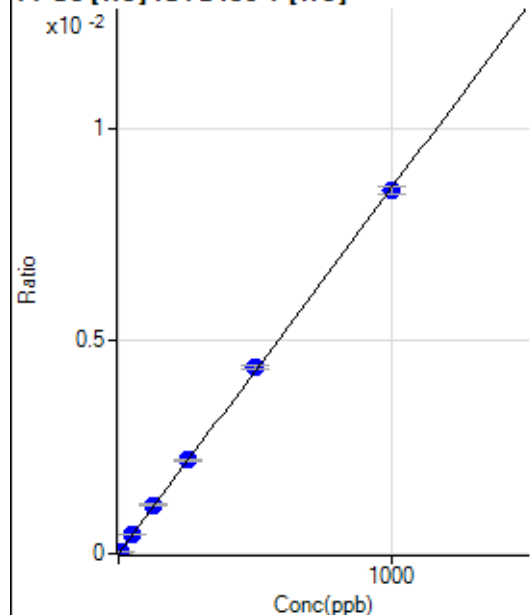
$$DL = 0.01732$$

$$BEC = 0.01132$$

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      | 2.22     | 0.0000 | P   | 173. |
| 2 | <input type="checkbox"/> | 5.000    | 4.635      | 86.67    | 0.0000 | P   | 10.7 |
| 3 | <input type="checkbox"/> | 50.000   | 52.721     | 955.60   | 0.0005 | P   | 5.8  |
| 4 | <input type="checkbox"/> | 125.000  | 132.576    | 2307.98  | 0.0011 | P   | 3.8  |
| 5 | <input type="checkbox"/> | 250.000  | 255.471    | 4441.82  | 0.0022 | P   | 2.5  |
| 6 | <input type="checkbox"/> | 500.000  | 509.677    | 8820.48  | 0.0044 | P   | 2.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 992.713    | 17412.58 | 0.0085 | P   | 2.3  |
| 8 | <input type="checkbox"/> |          |            | 10.00    | 0.0000 | P   | 33.9 |

$$y = 8.5915\text{E-}006 * x + 1.0558\text{E-}006$$

$$R = 0.9999$$

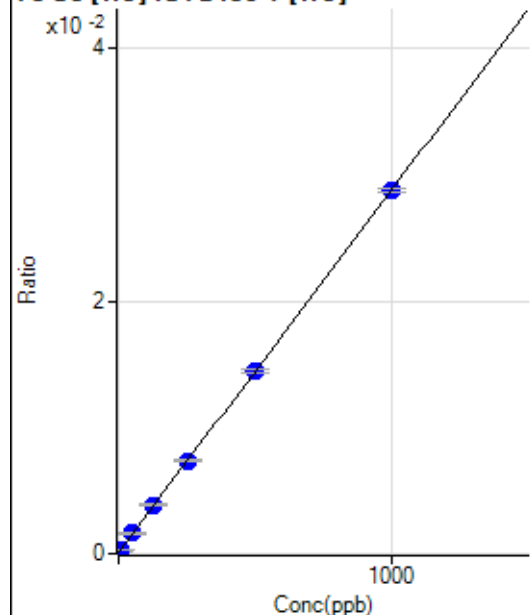
$$DL = 0.6385$$

$$BEC = 0.1229$$

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      | 230.00   | 0.0001 | P   | 19.6 |
| 2 | <input type="checkbox"/> | 5.000    | 5.239      | 547.80   | 0.0003 | P   | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 52.697     | 3410.43  | 0.0016 | P   | 4.5  |
| 4 | <input type="checkbox"/> | 125.000  | 130.207    | 7781.01  | 0.0038 | P   | 2.3  |
| 5 | <input type="checkbox"/> | 250.000  | 253.504    | 14930.94 | 0.0074 | P   | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 500.556    | 29138.76 | 0.0145 | P   | 1.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.059    | 58677.99 | 0.0287 | P   | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 237.78   | 0.0001 | P   | 2.9  |

$$y = 2.8691\text{E-}005 * x + 1.0799\text{E-}004$$

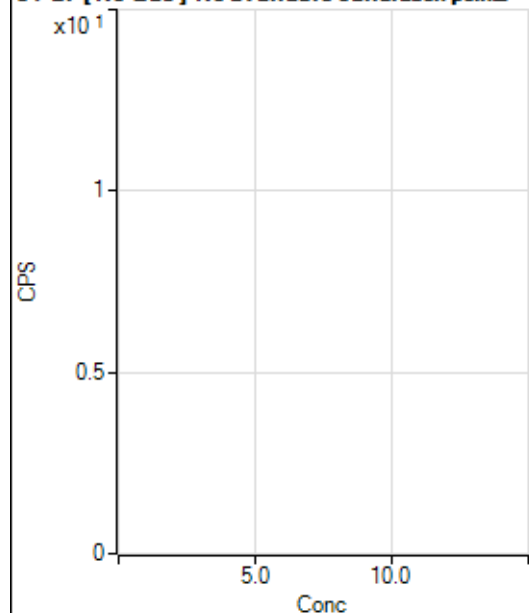
$$R = 1.0000$$

$$DL = 2.213$$

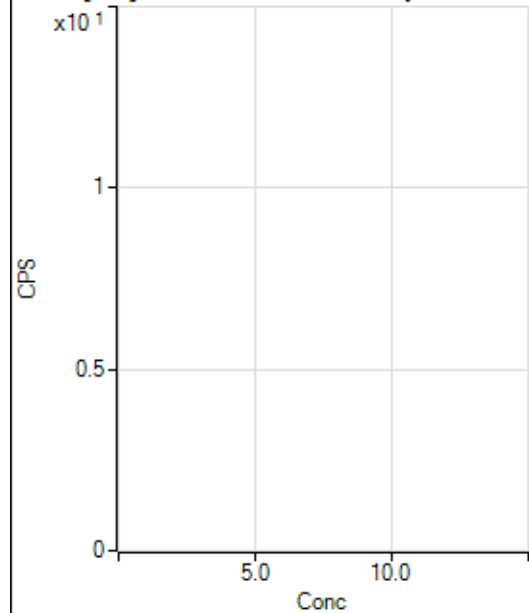
$$BEC = 3.764$$

Weight: &lt;None&gt;

Min Conc: 0

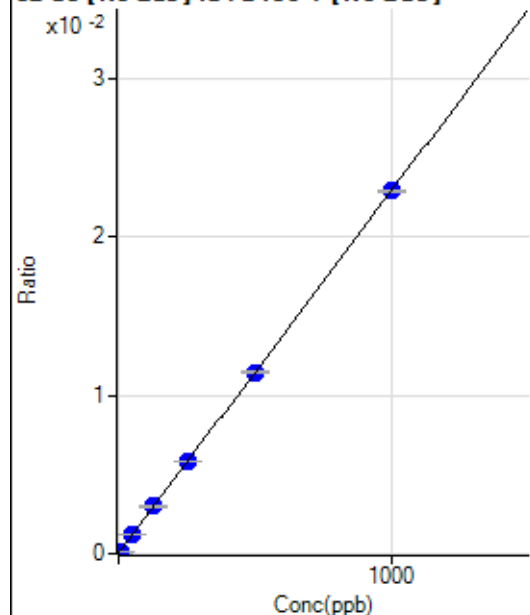
**81 Br [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> |       |            | 22969.03 |       | P        | 3.4 |
| 2 | <input type="checkbox"/> |       |            | 23501.00 |       | P        | 3.3 |
| 3 | <input type="checkbox"/> |       |            | 17185.66 |       | P        | 0.2 |
| 4 | <input type="checkbox"/> |       |            | 16529.36 |       | P        | 1.3 |
| 5 | <input type="checkbox"/> |       |            | 15640.64 |       | P        | 2.2 |
| 6 | <input type="checkbox"/> |       |            | 18295.89 |       | P        | 2.3 |
| 7 | <input type="checkbox"/> |       |            | 16840.82 |       | P        | 1.3 |
| 8 | <input type="checkbox"/> |       |            | 18134.55 |       | P        | 1.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1045.60 |       | P        | 7.0  |
| 2 | <input type="checkbox"/> |       |            | 1093.39 |       | P        | 3.0  |
| 3 | <input type="checkbox"/> |       |            | 130.00  |       | P        | 13.6 |
| 4 | <input type="checkbox"/> |       |            | 106.67  |       | P        | 30.8 |
| 5 | <input type="checkbox"/> |       |            | 117.78  |       | P        | 8.6  |
| 6 | <input type="checkbox"/> |       |            | 548.90  |       | P        | 8.5  |
| 7 | <input type="checkbox"/> |       |            | 153.33  |       | P        | 16.4 |
| 8 | <input type="checkbox"/> |       |            | 153.34  |       | P        | 9.5  |



**82 Se [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      | 272.68    | 0.0000 | P    | 14.5 |
| 2 | <input type="checkbox"/> | 5.000    | 5.211      | 1441.62   | 0.0001 | P    | 1.3  |
| 3 | <input type="checkbox"/> | 50.000   | 51.510     | 11921.54  | 0.0012 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 125.000  | 128.975    | 28554.38  | 0.0030 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 252.430    | 54961.75  | 0.0058 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 500.000  | 498.861    | 107542.81 | 0.0114 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 999.388    | 213261.07 | 0.0229 | P    | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 453.93    | 0.0000 | P    | 4.7  |

$$y = 2.2873E-005 * x + 2.7831E-005$$

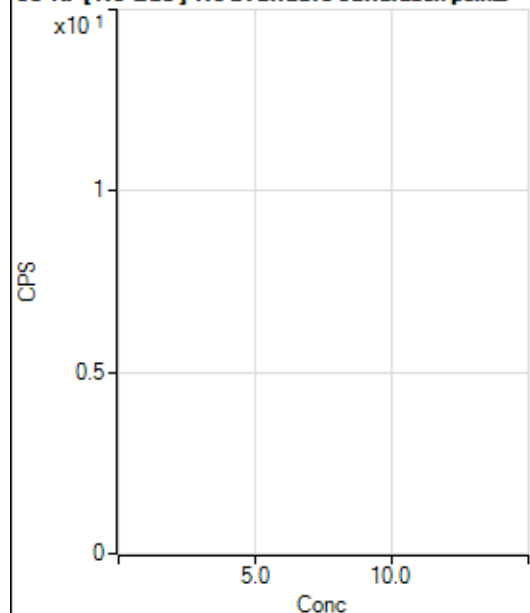
$$R = 1.0000$$

$$DL = 0.5303$$

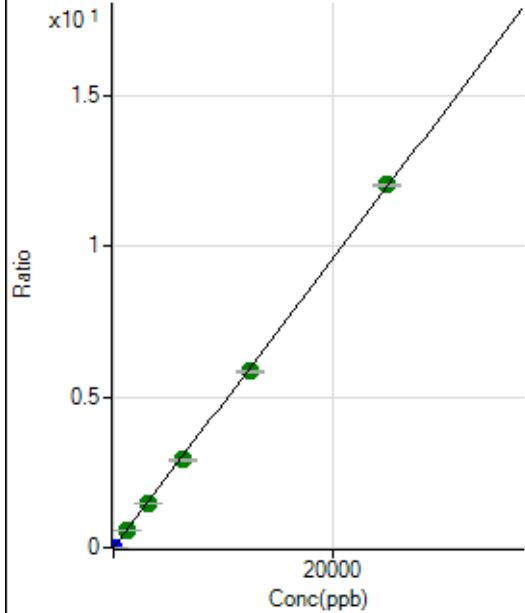
$$BEC = 1.217$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS    | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|--------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 213.34 |       | P    | 21.0 |
| 2 | <input type="checkbox"/> |       |            | 192.23 |       | P    | 5.3  |
| 3 | <input type="checkbox"/> |       |            | 226.67 |       | P    | 8.9  |
| 4 | <input type="checkbox"/> |       |            | 202.23 |       | P    | 18.2 |
| 5 | <input type="checkbox"/> |       |            | 218.89 |       | P    | 3.5  |
| 6 | <input type="checkbox"/> |       |            | 192.23 |       | P    | 21.7 |
| 7 | <input type="checkbox"/> |       |            | 217.78 |       | P    | 13.0 |
| 8 | <input type="checkbox"/> |       |            | 244.45 |       | P    | 8.3  |

**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      | 363.34       | 0.0000  | P   | 11.2 |
| 2 | <input type="checkbox"/> | 1.000     | 0.955      | 4836.40      | 0.0005  | P   | 1.4  |
| 3 | <input type="checkbox"/> | 1250.000  | 1240.720   | 5860972.55   | 0.5929  | A   | 2.0  |
| 4 | <input type="checkbox"/> | 3125.000  | 3094.062   | 14177726.60  | 1.4786  | A   | 0.7  |
| 5 | <input type="checkbox"/> | 6250.000  | 6121.225   | 27710387.36  | 2.9252  | A   | 1.9  |
| 6 | <input type="checkbox"/> | 12500.000 | 12212.350  | 54868825.85  | 5.8359  | A   | 1.1  |
| 7 | <input type="checkbox"/> | 25000.000 | 25180.350  | 112125656.11 | 12.0329 | A   | 0.6  |
| 8 | <input type="checkbox"/> |           |            | 31976.95     | 0.0035  | P   | 21.6 |

$$y = 4.7787\text{E-}004 * x + 3.7089\text{E-}005$$

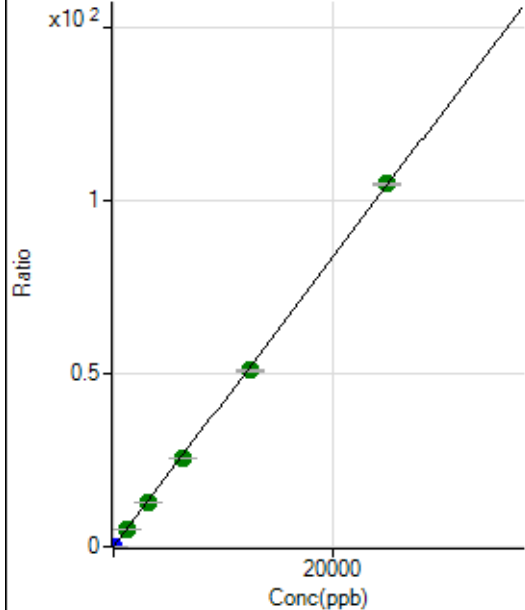
$$R = 0.9999$$

$$DL = 0.0261$$

$$BEC = 0.07761$$

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      | 411.12       | 0.0000   | P   | 7.2  |
| 2 | <input type="checkbox"/> | 1.000     | 0.973      | 40083.35     | 0.0041   | P   | 1.1  |
| 3 | <input type="checkbox"/> | 1250.000  | 1242.366   | 51086556.46  | 5.1683   | A   | 1.2  |
| 4 | <input type="checkbox"/> | 3125.000  | 3112.088   | 124139912.59 | 12.9462  | A   | 0.2  |
| 5 | <input type="checkbox"/> | 6250.000  | 6115.664   | 241007220.85 | 25.4410  | A   | 1.4  |
| 6 | <input type="checkbox"/> | 12500.000 | 12243.037  | 478855237.31 | 50.9308  | A   | 0.8  |
| 7 | <input type="checkbox"/> | 25000.000 | 25164.061  | 975455789.91 | 104.6819 | A   | 0.4  |
| 8 | <input type="checkbox"/> |           |            | 277539.57    | 0.0301   | P   | 23.4 |

$$y = 0.0042 * x + 4.1951\text{E-}005$$

$$R = 0.9999$$

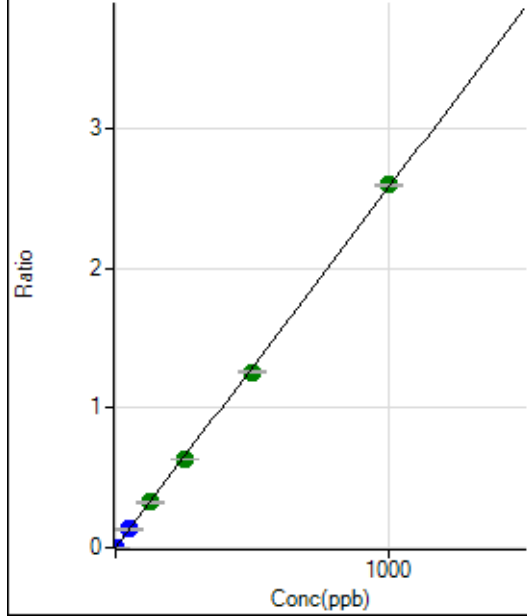
$$DL = 0.002165$$

$$BEC = 0.01008$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 687.80      | 0.0001 | P    | 7.7  |
| 2 | <input type="checkbox"/> | 1.000    | 0.943      | 24561.71    | 0.0025 | P    | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 50.934     | 1300486.01  | 0.1316 | P    | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 125.583    | 3109384.95  | 0.3243 | A    | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 245.665    | 6008887.97  | 0.6343 | A    | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 487.237    | 11827136.35 | 1.2580 | A    | 0.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1007.346   | 24234847.97 | 2.6007 | A    | 0.7  |
| 8 | <input type="checkbox"/> |          |            | 15493.91    | 0.0017 | P    | 11.3 |

$$y = 0.0026 * x + 7.0133E-005$$

$$R = 0.9999$$

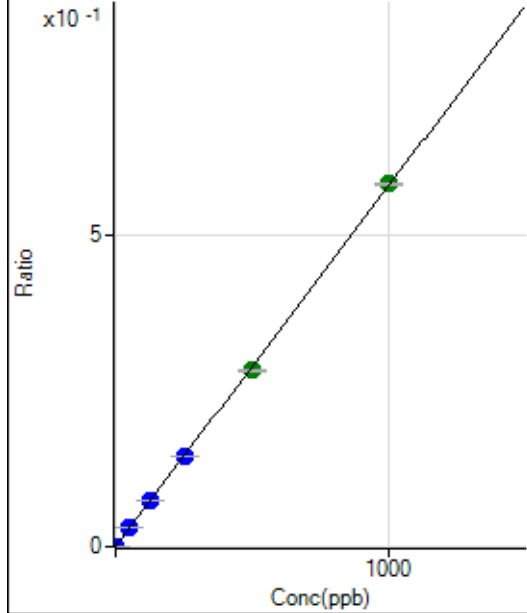
$$DL = 0.006272$$

$$BEC = 0.02717$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 123.34     | 0.0000 | P    | 16.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.954      | 5552.22    | 0.0006 | P    | 2.5  |
| 3 | <input type="checkbox"/> | 50.000   | 50.806     | 291588.84  | 0.0295 | P    | 0.8  |
| 4 | <input type="checkbox"/> | 125.000  | 126.304    | 703017.92  | 0.0733 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 250.009    | 1374651.80 | 0.1451 | P    | 1.5  |
| 6 | <input type="checkbox"/> | 500.000  | 488.792    | 2667191.31 | 0.2837 | A    | 1.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 1005.398   | 5437247.83 | 0.5835 | A    | 0.6  |
| 8 | <input type="checkbox"/> |          |            | 3372.64    | 0.0004 | P    | 10.1 |

$$y = 5.8037E-004 * x + 1.2577E-005$$

$$R = 0.9999$$

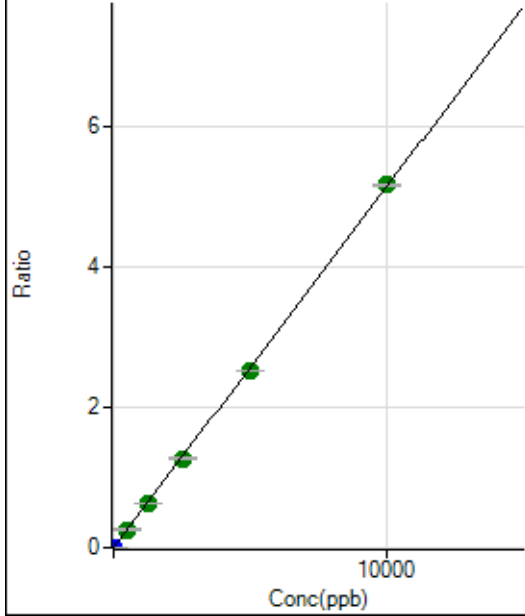
$$DL = 0.0108$$

$$BEC = 0.02167$$

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      | 278.89      | 0.0000 | P   | 16.3 |
| 2 | <input type="checkbox"/> | 5.000     | 5.713      | 29019.91    | 0.0030 | P   | 1.6  |
| 3 | <input type="checkbox"/> | 500.000   | 504.215    | 2557508.26  | 0.2587 | A   | 1.5  |
| 4 | <input type="checkbox"/> | 1250.000  | 1249.129   | 6145893.38  | 0.6409 | A   | 0.2  |
| 5 | <input type="checkbox"/> | 2500.000  | 2471.922   | 12014953.57 | 1.2683 | A   | 1.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 4907.025   | 23671992.42 | 2.5177 | A   | 0.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 10053.405  | 48065834.29 | 5.1582 | A   | 0.5  |
| 8 | <input type="checkbox"/> |           |            | 31630.02    | 0.0034 | P   | 10.4 |

$$y = 5.1308\text{E-}004 * x + 2.8468\text{E-}005$$

$$R = 0.9999$$

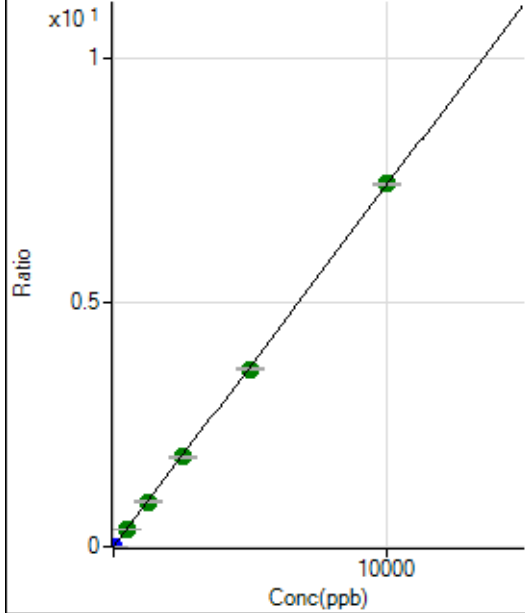
$$DL = 0.02709$$

$$BEC = 0.05548$$

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      | 113.33      | 0.0000 | P   | 8.8  |
| 2 | <input type="checkbox"/> | 5.000     | 4.830      | 35135.46    | 0.0036 | P   | 1.1  |
| 3 | <input type="checkbox"/> | 500.000   | 501.090    | 3662913.62  | 0.3706 | A   | 0.7  |
| 4 | <input type="checkbox"/> | 1250.000  | 1248.179   | 8850643.55  | 0.9230 | A   | 0.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2476.099   | 17346006.83 | 1.8311 | A   | 1.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 4921.070   | 34214336.71 | 3.6391 | A   | 1.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 10045.614  | 69222812.86 | 7.4286 | A   | 0.4  |
| 8 | <input type="checkbox"/> |           |            | 45109.66    | 0.0049 | P   | 10.0 |

$$y = 7.3949\text{E-}004 * x + 1.1567\text{E-}005$$

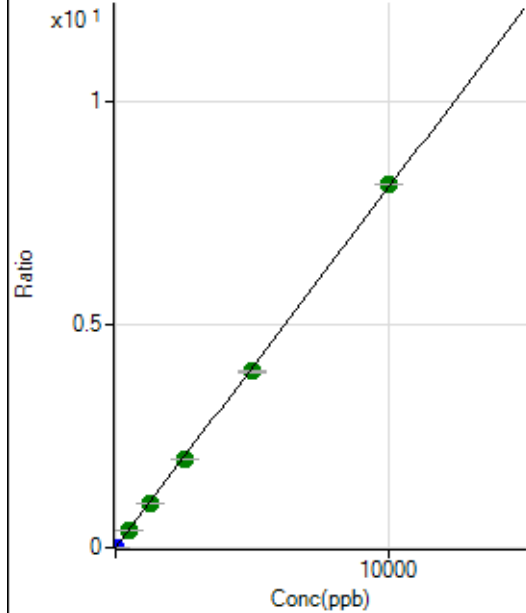
$$R = 0.9999$$

$$DL = 0.004137$$

$$BEC = 0.01564$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 114.45      | 0.0000 | P   | 11.5 |
| 2 | <input type="checkbox"/> | 5.000     | 4.843      | 38437.09    | 0.0039 | P   | 1.4  |
| 3 | <input type="checkbox"/> | 500.000   | 504.083    | 4021459.70  | 0.4068 | A   | 0.2  |
| 4 | <input type="checkbox"/> | 1250.000  | 1235.294   | 9559087.15  | 0.9970 | A   | 1.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2453.845   | 18760622.50 | 1.9804 | A   | 1.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4886.408   | 37076872.78 | 3.9436 | A   | 1.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 10069.969  | 75731454.43 | 8.1270 | A   | 0.1  |
| 8 | <input type="checkbox"/> |           |            | 55510.89    | 0.0060 | P   | 8.1  |

$$y = 8.0705\text{E-}004 * x + 1.1672\text{E-}005$$

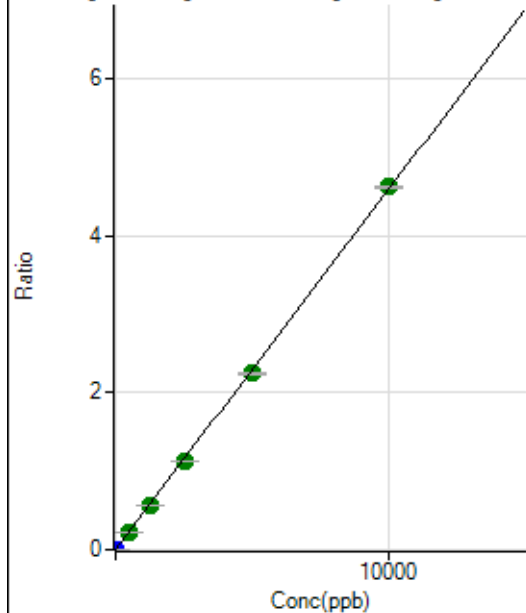
$$R = 0.9999$$

$$DL = 0.004973$$

$$BEC = 0.01446$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 48.89       | 0.0000 | P   | 11.4 |
| 2 | <input type="checkbox"/> | 5.000     | 4.847      | 21885.38    | 0.0022 | P   | 0.6  |
| 3 | <input type="checkbox"/> | 500.000   | 499.907    | 2270545.47  | 0.2297 | A   | 1.1  |
| 4 | <input type="checkbox"/> | 1250.000  | 1233.957   | 5436732.07  | 0.5670 | A   | 0.6  |
| 5 | <input type="checkbox"/> | 2500.000  | 2445.830   | 10646239.91 | 1.1238 | A   | 1.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 4891.683   | 21132638.02 | 2.2477 | A   | 0.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 10069.711  | 43113476.30 | 4.6269 | A   | 0.7  |
| 8 | <input type="checkbox"/> |           |            | 28035.98    | 0.0030 | P   | 9.7  |

$$y = 4.5948\text{E-}004 * x + 4.9903\text{E-}006$$

$$R = 0.9999$$

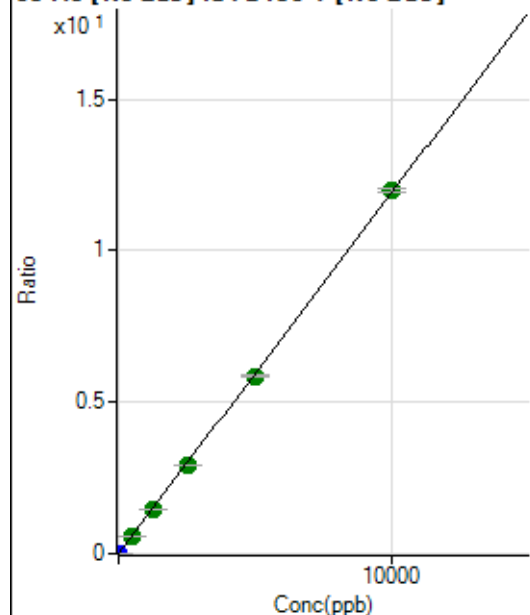
$$DL = 0.003713$$

$$BEC = 0.01086$$

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      | 100.00       | 0.0000  | P   | 21.3 |
| 2 | <input type="checkbox"/> | 5.000     | 4.785      | 55964.27     | 0.0057  | P   | 1.3  |
| 3 | <input type="checkbox"/> | 500.000   | 500.222    | 5887299.57   | 0.5956  | A   | 0.8  |
| 4 | <input type="checkbox"/> | 1250.000  | 1245.971   | 14225094.79  | 1.4835  | A   | 0.2  |
| 5 | <input type="checkbox"/> | 2500.000  | 2453.753   | 27676329.59  | 2.9215  | A   | 0.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 4915.210   | 55022605.29  | 5.8522  | A   | 1.1  |
| 7 | <input type="checkbox"/> | 10000.000 | 10054.449  | 111544095.00 | 11.9710 | A   | 0.9  |
| 8 | <input type="checkbox"/> |           |            | 70738.08     | 0.0077  | P   | 10.1 |

$$y = 0.0012 * x + 1.0214E-005$$

$$R = 0.9999$$

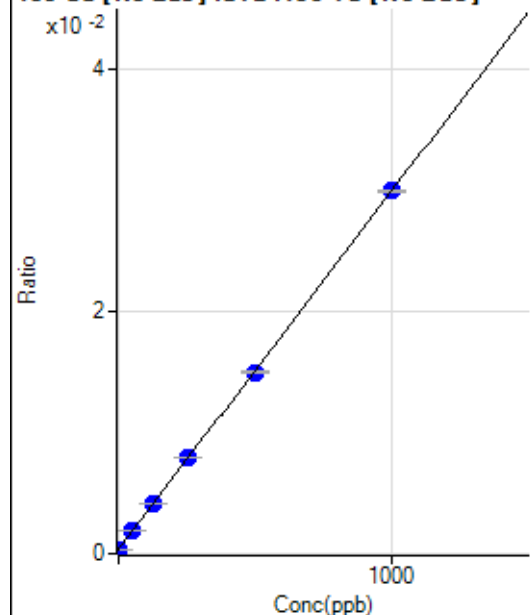
$$DL = 0.005475$$

$$BEC = 0.008578$$

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      | 4706.36   | 0.0004 | P   | 4.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.552      | 4945.34   | 0.0004 | P   | 1.7 |
| 3 | <input type="checkbox"/> | 50.000   | 51.523     | 25037.17  | 0.0019 | P   | 2.2 |
| 4 | <input type="checkbox"/> | 125.000  | 129.423    | 54855.25  | 0.0042 | P   | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 255.960    | 102200.69 | 0.0079 | P   | 0.8 |
| 6 | <input type="checkbox"/> | 500.000  | 493.764    | 193916.94 | 0.0149 | P   | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.000   | 383490.64 | 0.0299 | P   | 0.4 |
| 8 | <input type="checkbox"/> |          |            | 4593.00   | 0.0004 | P   | 1.3 |

$$y = 2.9516E-005 * x + 3.5983E-004$$

$$R = 0.9999$$

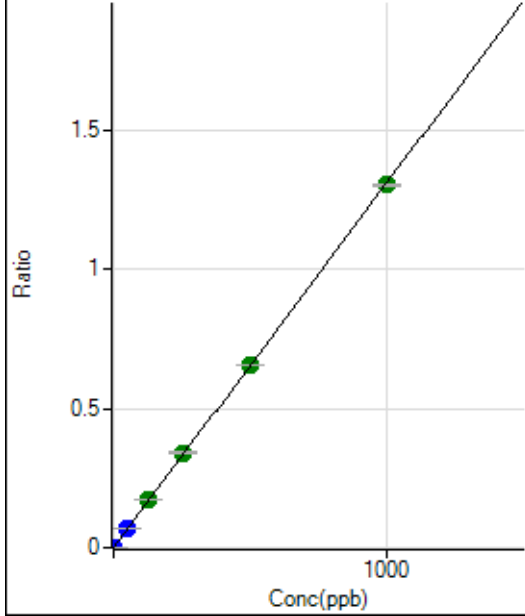
$$DL = 1.62$$

$$BEC = 12.19$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 80.00       | 0.0000 | P   | 4.5  |
| 2 | <input type="checkbox"/> | 1.000    | 1.010      | 17443.89    | 0.0013 | P   | 1.0  |
| 3 | <input type="checkbox"/> | 50.000   | 54.713     | 952283.45   | 0.0715 | P   | 1.6  |
| 4 | <input type="checkbox"/> | 125.000  | 132.694    | 2276492.45  | 0.1735 | A   | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 259.869    | 4386120.32  | 0.3397 | A   | 1.6  |
| 6 | <input type="checkbox"/> | 500.000  | 501.346    | 8510083.63  | 0.6554 | A   | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.662    | 16690157.25 | 1.3015 | A   | 0.8  |
| 8 | <input type="checkbox"/> |          |            | 5769.02     | 0.0005 | P   | 20.5 |

$$y = 0.0013 * x + 6.1155E-006$$

$$R = 0.9999$$

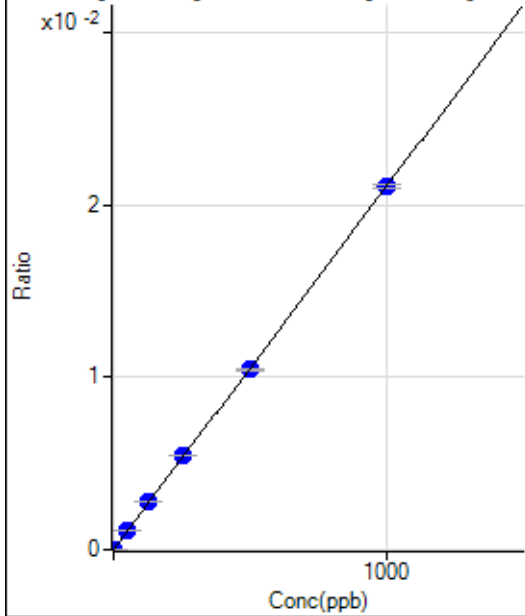
$$DL = 0.0006372$$

$$BEC = 0.004678$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 21.11     | 0.0000 | P   | 10.3 |
| 2 | <input type="checkbox"/> | 1.000    | 0.939      | 281.12    | 0.0000 | P   | 17.1 |
| 3 | <input type="checkbox"/> | 50.000   | 52.453     | 14720.91  | 0.0011 | P   | 0.5  |
| 4 | <input type="checkbox"/> | 125.000  | 130.736    | 36134.85  | 0.0028 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 250.000  | 260.298    | 70770.39  | 0.0055 | P   | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 495.418    | 135429.67 | 0.0104 | P   | 0.2  |
| 7 | <input type="checkbox"/> | 1000.000 | 998.877    | 269621.62 | 0.0210 | P   | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 233.34    | 0.0000 | P   | 11.8 |

$$y = 2.1049E-005 * x + 1.6147E-006$$

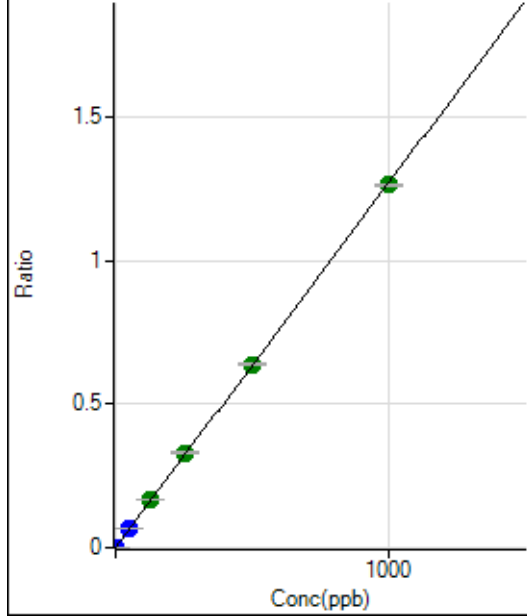
$$R = 0.9999$$

$$DL = 0.0237$$

$$BEC = 0.07671$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 35.56       | 0.0000 | P   | 13.4 |
| 2 | <input type="checkbox"/> | 1.000    | 0.979      | 16368.23    | 0.0012 | P   | 1.2  |
| 3 | <input type="checkbox"/> | 50.000   | 54.338     | 918037.05   | 0.0690 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 125.000  | 131.691    | 2193098.47  | 0.1671 | A   | 0.1  |
| 5 | <input type="checkbox"/> | 250.000  | 260.112    | 4261845.25  | 0.3301 | A   | 1.4  |
| 6 | <input type="checkbox"/> | 500.000  | 502.324    | 8276637.51  | 0.6374 | A   | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 995.257    | 16195120.17 | 1.2629 | A   | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 5643.41     | 0.0005 | P   | 22.6 |

$$y = 0.0013 * x + 2.7153E-006$$

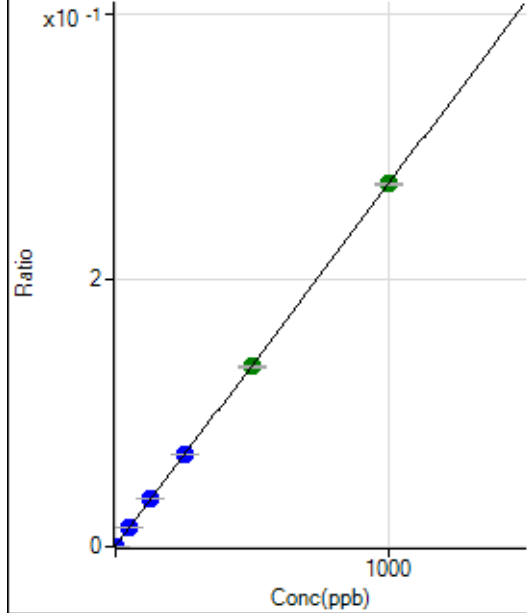
$$R = 0.9999$$

$$DL = 0.0008633$$

$$BEC = 0.00214$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3321.90    | 0.0003 | P   | 4.5 |
| 2 | <input type="checkbox"/> | 1.000    | 1.015      | 6972.14    | 0.0005 | P   | 3.2 |
| 3 | <input type="checkbox"/> | 50.000   | 52.821     | 194762.53  | 0.0146 | P   | 1.4 |
| 4 | <input type="checkbox"/> | 125.000  | 129.903    | 467280.63  | 0.0356 | P   | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 255.654    | 901669.23  | 0.0698 | P   | 0.2 |
| 6 | <input type="checkbox"/> | 500.000  | 495.806    | 1755331.05 | 0.1352 | A   | 0.7 |
| 7 | <input type="checkbox"/> | 1000.000 | 999.930    | 3492745.14 | 0.2724 | A   | 0.7 |
| 8 | <input type="checkbox"/> |          |            | 4230.71    | 0.0003 | P   | 7.4 |

$$y = 2.7214E-004 * x + 2.5398E-004$$

$$R = 1.0000$$

$$DL = 0.1255$$

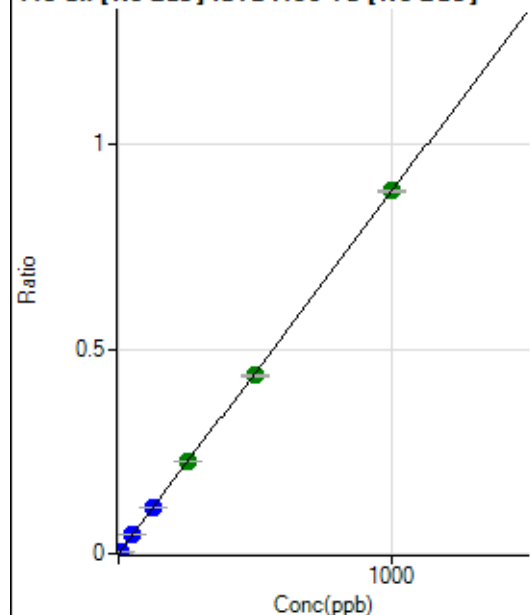
$$BEC = 0.9333$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4744.17     | 0.0004 | P   | 2.6 |
| 2 | <input type="checkbox"/> | 5.000    | 5.018      | 63229.85    | 0.0048 | P   | 1.7 |
| 3 | <input type="checkbox"/> | 50.000   | 52.020     | 618431.07   | 0.0465 | P   | 1.0 |
| 4 | <input type="checkbox"/> | 125.000  | 128.338    | 1496955.48  | 0.1141 | P   | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 254.835    | 2920005.23  | 0.2261 | A   | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 493.217    | 5679152.07  | 0.4373 | A   | 1.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.664   | 11384452.61 | 0.8878 | A   | 0.8 |
| 8 | <input type="checkbox"/> |          |            | 22809.26    | 0.0019 | P   | 2.1 |

$$y = 8.8596E-004 * x + 3.6255E-004$$

$$R = 0.9999$$

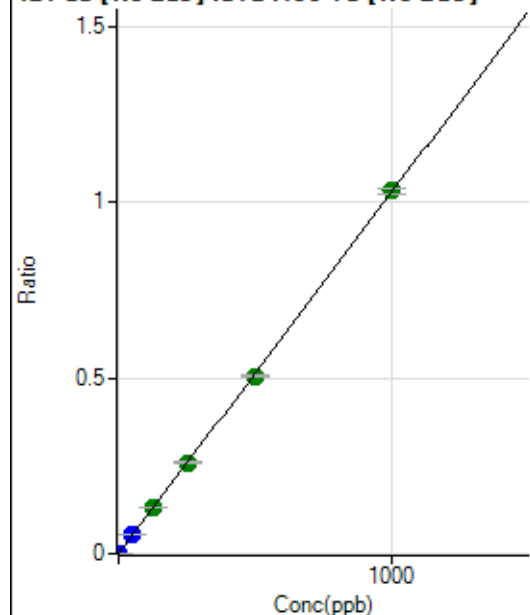
$$DL = 0.03162$$

$$BEC = 0.4092$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 106.66      | 0.0000 | P   | 11.6 |
| 2 | <input type="checkbox"/> | 2.000    | 1.967      | 26660.32    | 0.0020 | P   | 0.8  |
| 3 | <input type="checkbox"/> | 50.000   | 51.380     | 702569.24   | 0.0528 | P   | 1.5  |
| 4 | <input type="checkbox"/> | 125.000  | 125.755    | 1694879.90  | 0.1291 | A   | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 252.194    | 3344396.86  | 0.2590 | A   | 1.0  |
| 6 | <input type="checkbox"/> | 500.000  | 490.398    | 6539112.82  | 0.5036 | A   | 0.8  |
| 7 | <input type="checkbox"/> | 1000.000 | 1004.089   | 13222259.53 | 1.0311 | A   | 1.4  |
| 8 | <input type="checkbox"/> |          |            | 11196.66    | 0.0009 | P   | 1.4  |

$$y = 0.0010 * x + 8.1578E-006$$

$$R = 0.9999$$

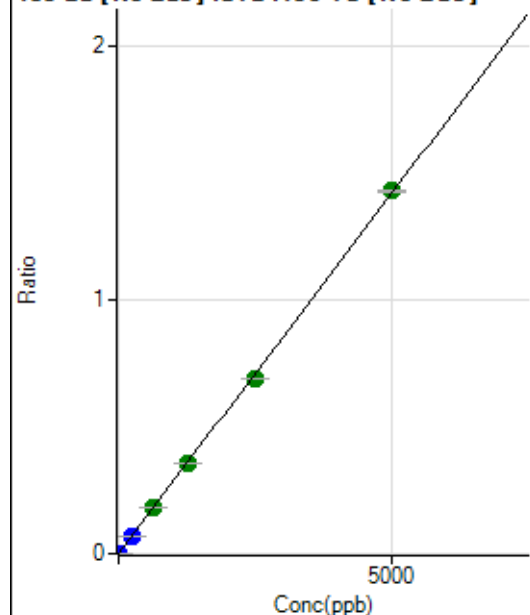
$$DL = 0.002764$$

$$BEC = 0.007944$$

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      | 143.34      | 0.0000 | P   | 12.2 |
| 2 | <input type="checkbox"/> | 10.000   | 9.298      | 34810.21    | 0.0026 | P   | 1.4  |
| 3 | <input type="checkbox"/> | 250.000  | 247.721    | 935383.88   | 0.0703 | P   | 1.3  |
| 4 | <input type="checkbox"/> | 625.000  | 632.768    | 2354988.16  | 0.1794 | A   | 0.5  |
| 5 | <input type="checkbox"/> | 1250.000 | 1242.406   | 4549439.52  | 0.3523 | A   | 0.1  |
| 6 | <input type="checkbox"/> | 2500.000 | 2427.117   | 8937199.66  | 0.6883 | A   | 0.2  |
| 7 | <input type="checkbox"/> | 5000.000 | 5037.484   | 18318325.00 | 1.4285 | A   | 0.5  |
| 8 | <input type="checkbox"/> |          |            | 10785.31    | 0.0009 | P   | 11.3 |

$$y = 2.8357E-004 * x + 1.0955E-005$$

$$R = 0.9998$$

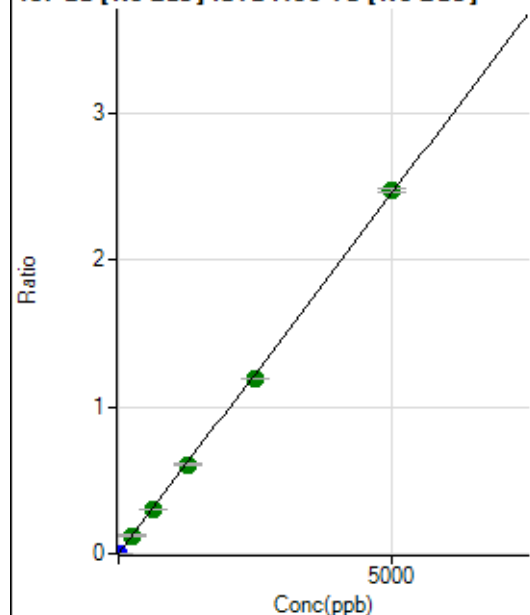
$$DL = 0.01412$$

$$BEC = 0.03863$$

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      | 204.45      | 0.0000 | P   | 11.0 |
| 2 | <input type="checkbox"/> | 10.000   | 9.417      | 60831.63    | 0.0046 | P   | 0.6  |
| 3 | <input type="checkbox"/> | 250.000  | 252.113    | 1643706.69  | 0.1235 | A   | 1.9  |
| 4 | <input type="checkbox"/> | 625.000  | 623.926    | 4009544.00  | 0.3055 | A   | 0.8  |
| 5 | <input type="checkbox"/> | 1250.000 | 1238.877   | 7833130.65  | 0.6066 | A   | 0.6  |
| 6 | <input type="checkbox"/> | 2500.000 | 2428.311   | 15440131.30 | 1.1890 | A   | 0.7  |
| 7 | <input type="checkbox"/> | 5000.000 | 5038.655   | 31635797.30 | 2.4672 | A   | 1.1  |
| 8 | <input type="checkbox"/> |          |            | 18852.68    | 0.0015 | P   | 11.1 |

$$y = 4.8964E-004 * x + 1.5638E-005$$

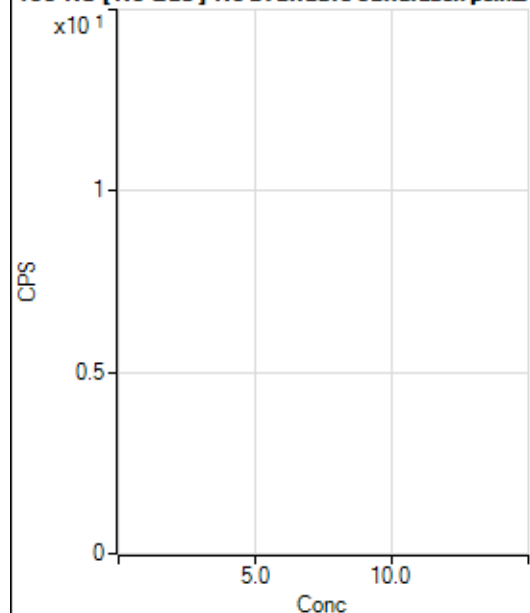
$$R = 0.9998$$

$$DL = 0.01056$$

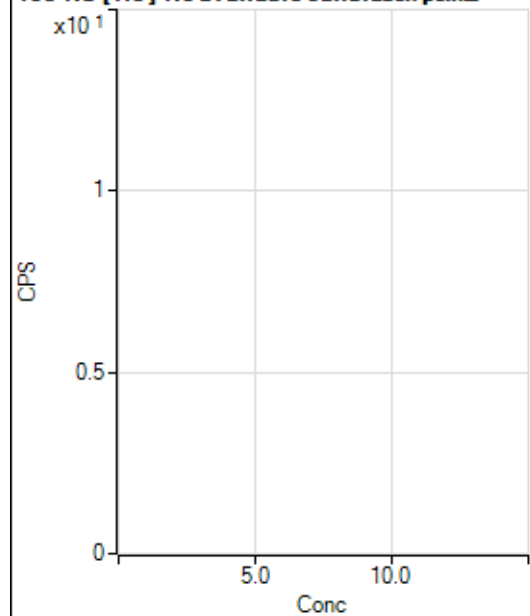
$$BEC = 0.03194$$

Weight: &lt;None&gt;

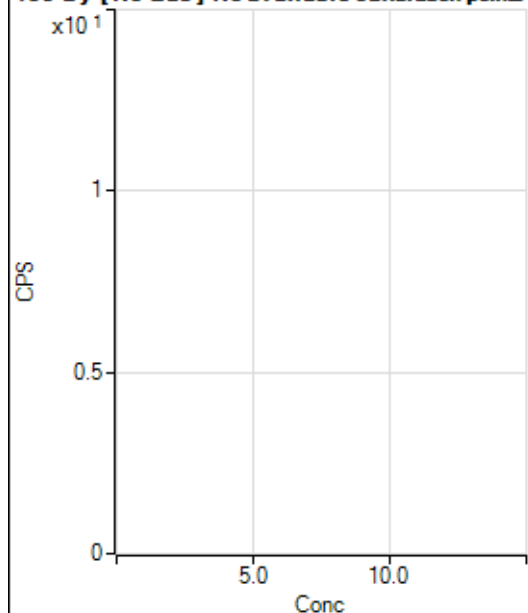
Min Conc: 0

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

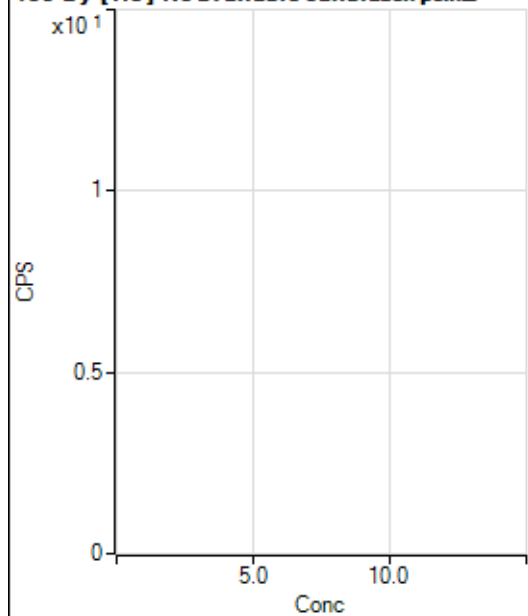
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS     | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|---------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 16.67   |       | P        | 34.6 |
| 2 | <input type="checkbox"/> |       |            | 12.22   |       | P        | 31.5 |
| 3 | <input type="checkbox"/> |       |            | 88.89   |       | P        | 18.9 |
| 4 | <input type="checkbox"/> |       |            | 231.11  |       | P        | 0.8  |
| 5 | <input type="checkbox"/> |       |            | 453.35  |       | P        | 11.4 |
| 6 | <input type="checkbox"/> |       |            | 781.14  |       | P        | 4.7  |
| 7 | <input type="checkbox"/> |       |            | 2016.84 |       | P        | 0.0  |
| 8 | <input type="checkbox"/> |       |            | 303.34  |       | P        | 7.2  |

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

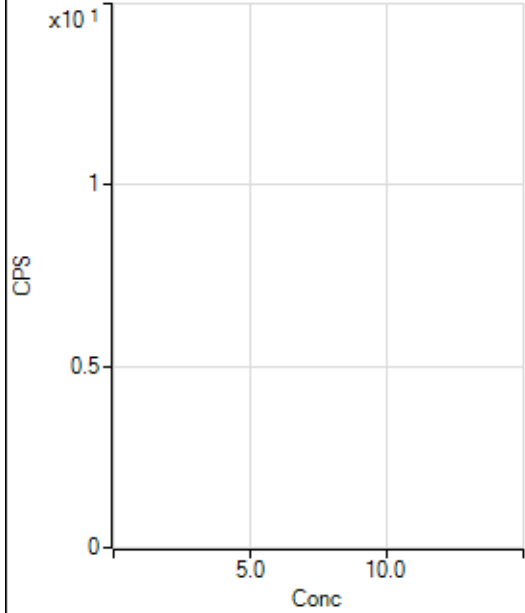
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.45   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            | 1.11   |       | P        | 173. |
| 3 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 87.2 |
| 4 | <input type="checkbox"/> |       |            | 34.44  |       | P        | 27.9 |
| 5 | <input type="checkbox"/> |       |            | 76.67  |       | P        | 18.9 |
| 6 | <input type="checkbox"/> |       |            | 151.11 |       | P        | 10.2 |
| 7 | <input type="checkbox"/> |       |            | 478.90 |       | P        | 8.3  |
| 8 | <input type="checkbox"/> |       |            | 180.00 |       | P        | 13.4 |

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

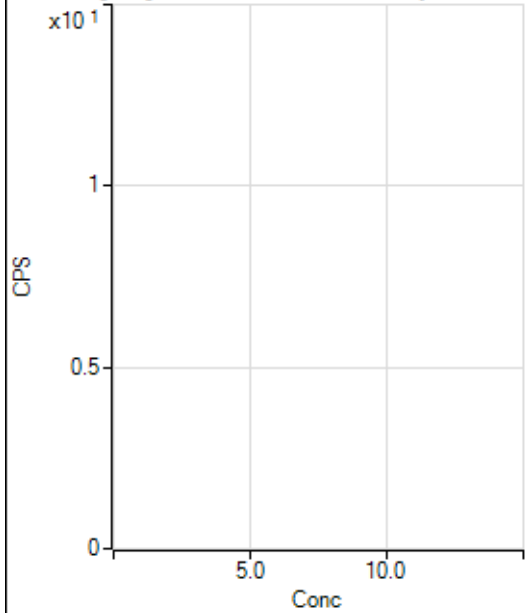
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 17.3 |
| 2 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 43.3 |
| 3 | <input type="checkbox"/> |       |            | 37.78  |       | P        | 36.7 |
| 4 | <input type="checkbox"/> |       |            | 66.66  |       | P        | 31.2 |
| 5 | <input type="checkbox"/> |       |            | 112.23 |       | P        | 12.4 |
| 6 | <input type="checkbox"/> |       |            | 207.78 |       | P        | 8.1  |
| 7 | <input type="checkbox"/> |       |            | 683.36 |       | P        | 8.0  |
| 8 | <input type="checkbox"/> |       |            | 580.02 |       | P        | 10.0 |

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

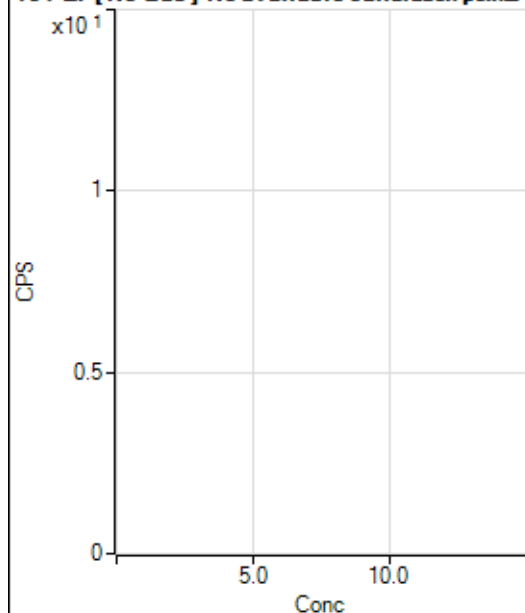
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 91.6 |
| 2 | <input type="checkbox"/> |       |            | 7.78   |       | P        | 49.5 |
| 3 | <input type="checkbox"/> |       |            | 48.89  |       | P        | 41.7 |
| 4 | <input type="checkbox"/> |       |            | 121.12 |       | P        | 18.7 |
| 5 | <input type="checkbox"/> |       |            | 187.78 |       | P        | 4.1  |
| 6 | <input type="checkbox"/> |       |            | 393.34 |       | P        | 9.6  |
| 7 | <input type="checkbox"/> |       |            | 965.60 |       | P        | 5.9  |
| 8 | <input type="checkbox"/> |       |            | 286.67 |       | P        | 6.2  |

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

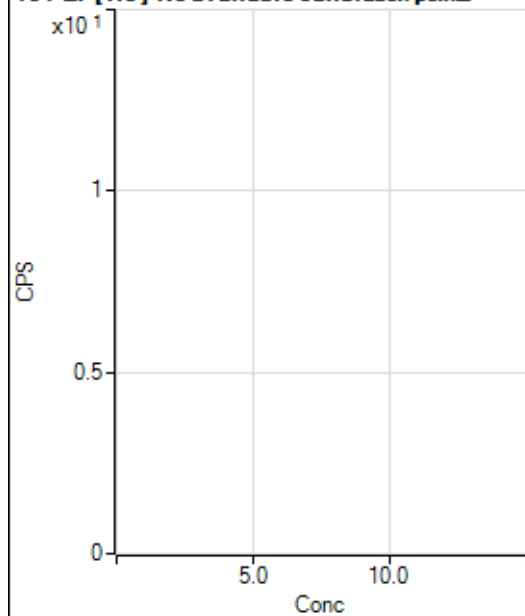
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 92.22  |       | P        | 14.6 |
| 2 | <input type="checkbox"/> |       |            | 98.89  |       | P        | 11.8 |
| 3 | <input type="checkbox"/> |       |            | 111.11 |       | P        | 20.4 |
| 4 | <input type="checkbox"/> |       |            | 123.34 |       | P        | 17.7 |
| 5 | <input type="checkbox"/> |       |            | 156.67 |       | P        | 15.3 |
| 6 | <input type="checkbox"/> |       |            | 183.34 |       | P        | 7.3  |
| 7 | <input type="checkbox"/> |       |            | 507.79 |       | P        | 5.6  |
| 8 | <input type="checkbox"/> |       |            | 516.68 |       | P        | 7.3  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 466.68 |       | P        | 5.2  |
| 2 | <input type="checkbox"/> |       |            | 457.79 |       | P        | 11.2 |
| 3 | <input type="checkbox"/> |       |            | 495.57 |       | P        | 3.2  |
| 4 | <input type="checkbox"/> |       |            | 471.12 |       | P        | 9.9  |
| 5 | <input type="checkbox"/> |       |            | 437.79 |       | P        | 9.1  |
| 6 | <input type="checkbox"/> |       |            | 482.24 |       | P        | 14.8 |
| 7 | <input type="checkbox"/> |       |            | 648.91 |       | P        | 7.5  |
| 8 | <input type="checkbox"/> |       |            | 676.69 |       | P        | 6.3  |

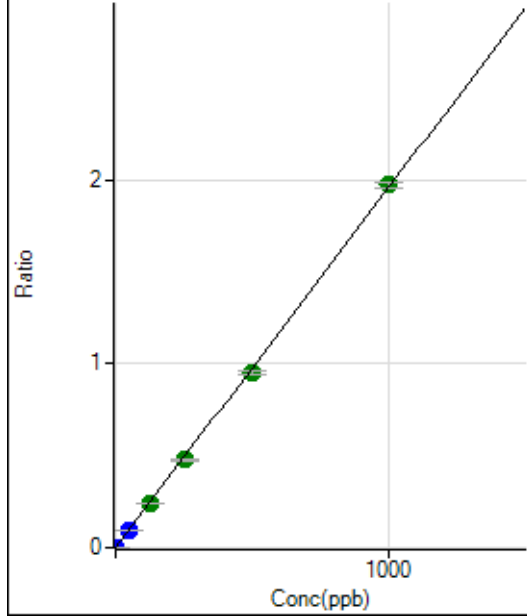
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 5.4  |
| 2 | <input type="checkbox"/> |       |            | 83.33  |       | P        | 18.3 |
| 3 | <input type="checkbox"/> |       |            | 103.34 |       | P        | 18.0 |
| 4 | <input type="checkbox"/> |       |            | 124.45 |       | P        | 24.0 |
| 5 | <input type="checkbox"/> |       |            | 144.45 |       | P        | 5.8  |
| 6 | <input type="checkbox"/> |       |            | 184.45 |       | P        | 5.5  |
| 7 | <input type="checkbox"/> |       |            | 441.12 |       | P        | 2.7  |
| 8 | <input type="checkbox"/> |       |            | 600.02 |       | P        | 12.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 36.3 |
| 2 | <input type="checkbox"/> |       |            | 44.44  |       | P        | 11.5 |
| 3 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 18.0 |
| 4 | <input type="checkbox"/> |       |            | 76.66  |       | P        | 32.8 |
| 5 | <input type="checkbox"/> |       |            | 71.11  |       | P        | 7.2  |
| 6 | <input type="checkbox"/> |       |            | 116.67 |       | P        | 11.4 |
| 7 | <input type="checkbox"/> |       |            | 264.45 |       | P        | 2.6  |
| 8 | <input type="checkbox"/> |       |            | 357.79 |       | P        | 8.4  |

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 514.46      | 0.0001 | P   | 3.0  |
| 2 | <input type="checkbox"/> | 1.000    | 0.864      | 13972.80    | 0.0018 | P   | 2.0  |
| 3 | <input type="checkbox"/> | 50.000   | 46.663     | 732860.56   | 0.0913 | P   | 0.2  |
| 4 | <input type="checkbox"/> | 125.000  | 122.607    | 1889862.23  | 0.2398 | A   | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 244.227    | 3742392.82  | 0.4775 | A   | 1.2  |
| 6 | <input type="checkbox"/> | 500.000  | 487.507    | 7296337.39  | 0.9531 | A   | 1.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.156   | 14683886.45 | 1.9710 | A   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 6448.27     | 0.0010 | P   | 16.4 |

$$y = 0.0020 * x + 6.4734E-005$$

$$R = 0.9999$$

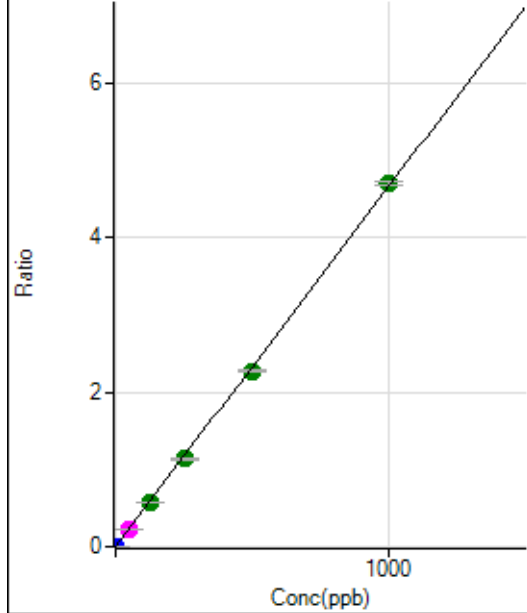
$$DL = 0.002957$$

$$BEC = 0.03311$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1183.40     | 0.0001 | P   | 5.1  |
| 2 | <input type="checkbox"/> | 1.000    | 0.863      | 33209.36    | 0.0042 | P   | 1.0  |
| 3 | <input type="checkbox"/> | 50.000   | 47.817     | 1787727.49  | 0.2227 | M   | 2.5  |
| 4 | <input type="checkbox"/> | 125.000  | 123.630    | 4536003.09  | 0.5755 | A   | 1.1  |
| 5 | <input type="checkbox"/> | 250.000  | 243.485    | 8880994.31  | 1.1332 | A   | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 488.049    | 17388367.80 | 2.2713 | A   | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 1007.885   | 34944879.20 | 4.6903 | A   | 1.0  |
| 8 | <input type="checkbox"/> |          |            | 15152.05    | 0.0023 | P   | 16.8 |

$$y = 0.0047 * x + 1.4889E-004$$

$$R = 0.9999$$

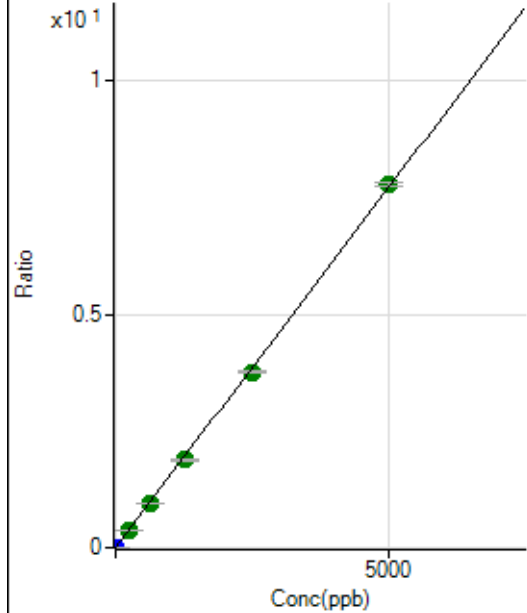
$$DL = 0.004927$$

$$BEC = 0.032$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1421.20     | 0.0002 | P   | 4.1 |
| 2 | <input type="checkbox"/> | 1.000    | 0.888      | 12347.92    | 0.0015 | P   | 1.9 |
| 3 | <input type="checkbox"/> | 250.000  | 245.780    | 3044495.16  | 0.3792 | A   | 0.1 |
| 4 | <input type="checkbox"/> | 625.000  | 615.771    | 7487286.00  | 0.9499 | A   | 0.5 |
| 5 | <input type="checkbox"/> | 1250.000 | 1221.400   | 14764163.81 | 1.8839 | A   | 1.5 |
| 6 | <input type="checkbox"/> | 2500.000 | 2441.537   | 28828880.96 | 3.7657 | A   | 1.4 |
| 7 | <input type="checkbox"/> | 5000.000 | 5037.746   | 57888884.69 | 7.7698 | A   | 1.1 |
| 8 | <input type="checkbox"/> |          |            | 165833.62   | 0.0254 | P   | 2.6 |

$$y = 0.0015 * x + 1.7891E-004$$

$$R = 0.9999$$

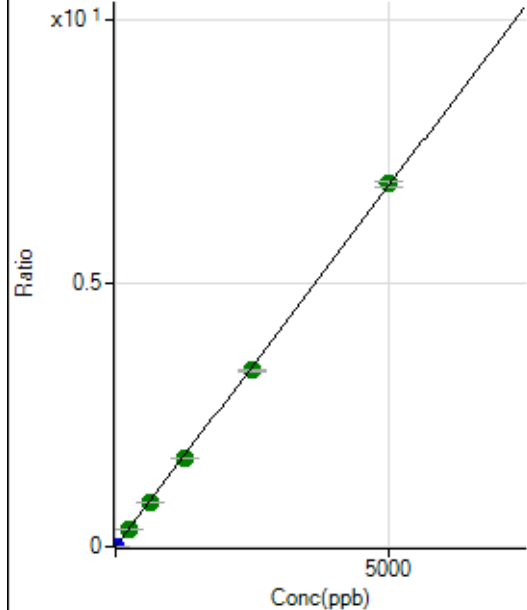
$$DL = 0.01412$$

$$BEC = 0.116$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1204.51     | 0.0002 | P   | 9.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.875      | 10749.90    | 0.0013 | P   | 2.4 |
| 3 | <input type="checkbox"/> | 250.000  | 246.202    | 2704919.42  | 0.3369 | A   | 1.1 |
| 4 | <input type="checkbox"/> | 625.000  | 615.397    | 6636951.15  | 0.8420 | A   | 1.2 |
| 5 | <input type="checkbox"/> | 1250.000 | 1226.371   | 13148974.66 | 1.6778 | A   | 1.2 |
| 6 | <input type="checkbox"/> | 2500.000 | 2448.849   | 25647412.39 | 3.3501 | A   | 1.4 |
| 7 | <input type="checkbox"/> | 5000.000 | 5032.873   | 51292713.12 | 6.8850 | A   | 1.9 |
| 8 | <input type="checkbox"/> |          |            | 146324.01   | 0.0224 | P   | 2.9 |

$$y = 0.0014 * x + 1.5148E-004$$

$$R = 0.9999$$

$$DL = 0.0319$$

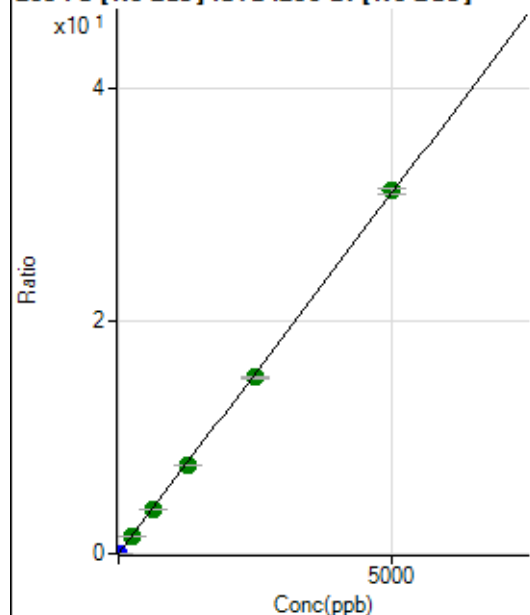
$$BEC = 0.1107$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS          | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|--------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5805.00      | 0.0007  | P   | 0.7 |
| 2 | <input type="checkbox"/> | 1.000    | 0.879      | 49298.69     | 0.0062  | P   | 0.9 |
| 3 | <input type="checkbox"/> | 250.000  | 246.014    | 12258057.96  | 1.5269  | A   | 0.4 |
| 4 | <input type="checkbox"/> | 625.000  | 615.313    | 30094935.53  | 3.8180  | A   | 0.9 |
| 5 | <input type="checkbox"/> | 1250.000 | 1224.816   | 59555377.72  | 7.5992  | A   | 0.9 |
| 6 | <input type="checkbox"/> | 2500.000 | 2446.901   | 116222701.32 | 15.1807 | A   | 1.1 |
| 7 | <input type="checkbox"/> | 5000.000 | 5034.256   | 232684729.31 | 31.2321 | A   | 1.4 |
| 8 | <input type="checkbox"/> |          |            | 667268.35    | 0.1022  | P   | 2.8 |

$$y = 0.0062 * x + 7.3056E-004$$

$$R = 0.9999$$

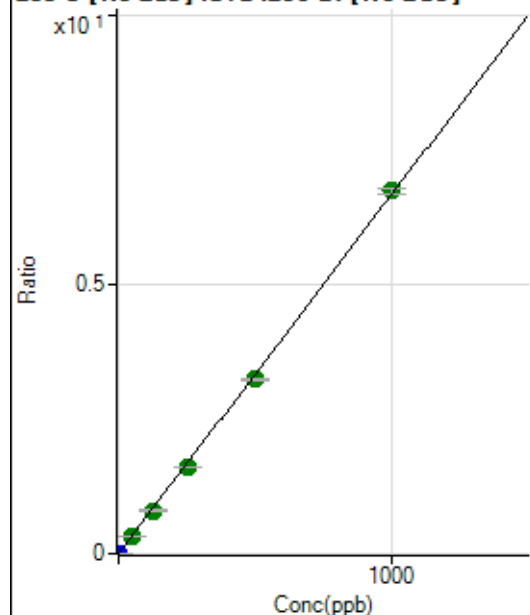
$$DL = 0.00258$$

$$BEC = 0.1178$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 16.66       | 0.0000 | P   | 92.6 |
| 2 | <input type="checkbox"/> | 1.000    | 0.823      | 43810.56    | 0.0055 | P   | 1.6  |
| 3 | <input type="checkbox"/> | 50.000   | 47.754     | 2557949.87  | 0.3186 | A   | 1.9  |
| 4 | <input type="checkbox"/> | 125.000  | 120.442    | 6334111.36  | 0.8036 | A   | 0.2  |
| 5 | <input type="checkbox"/> | 250.000  | 240.454    | 12572767.03 | 1.6043 | A   | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 485.121    | 24781893.79 | 3.2367 | A   | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1010.508   | 50228753.14 | 6.7420 | A   | 1.3  |
| 8 | <input type="checkbox"/> |          |            | 18245.06    | 0.0028 | P   | 15.5 |

$$y = 0.0067 * x + 2.1111E-006$$

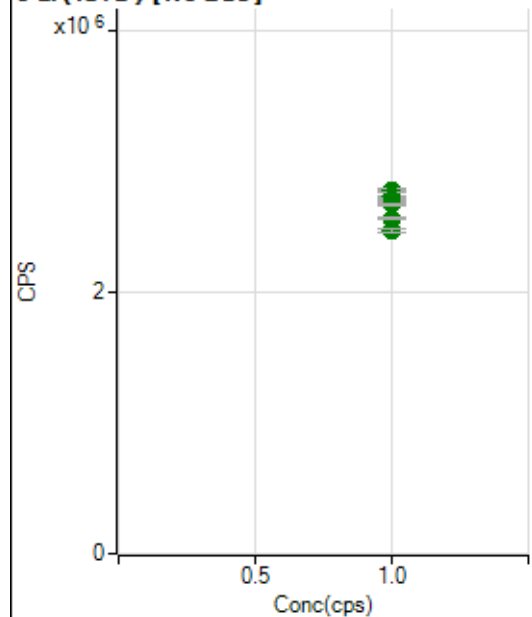
$$R = 0.9998$$

$$DL = 0.0008789$$

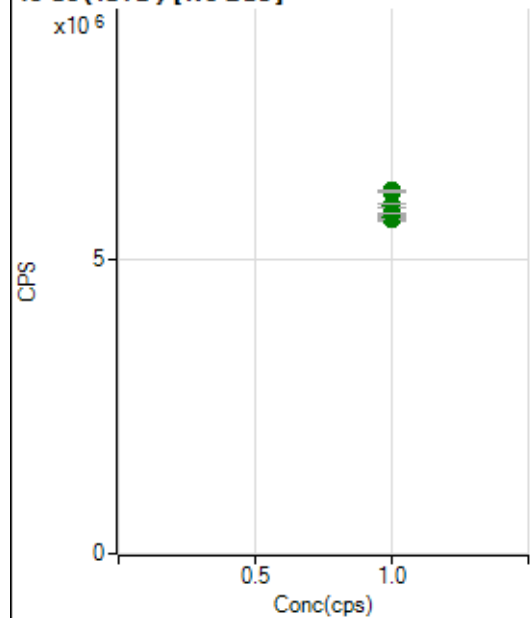
$$BEC = 0.0003164$$

Weight: &lt;None&gt;

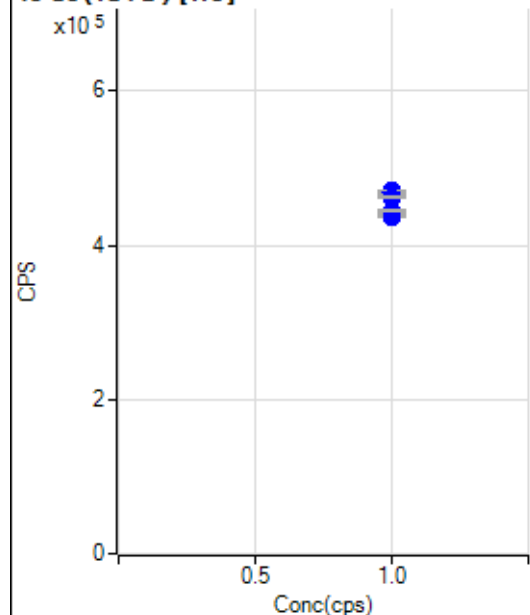
Min Conc: 0

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

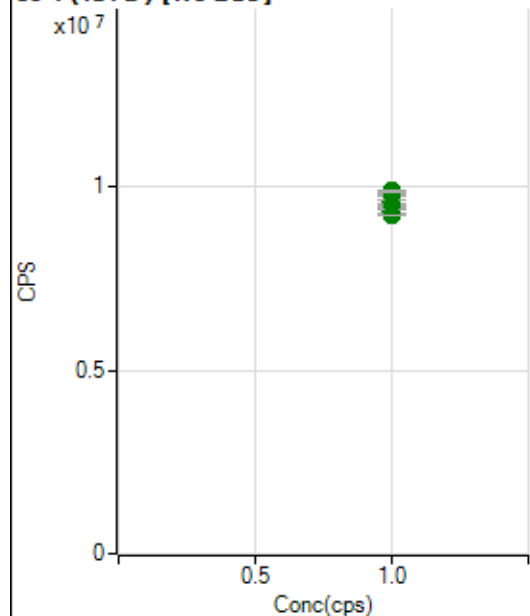
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2725709.44 |       | A    | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2772629.54 |       | A    | 1.0 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2774979.47 |       | A    | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2739576.87 |       | A    | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2699845.80 |       | A    | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2673143.00 |       | A    | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2564874.42 |       | A    | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2468066.28 |       | A    | 1.2 |

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

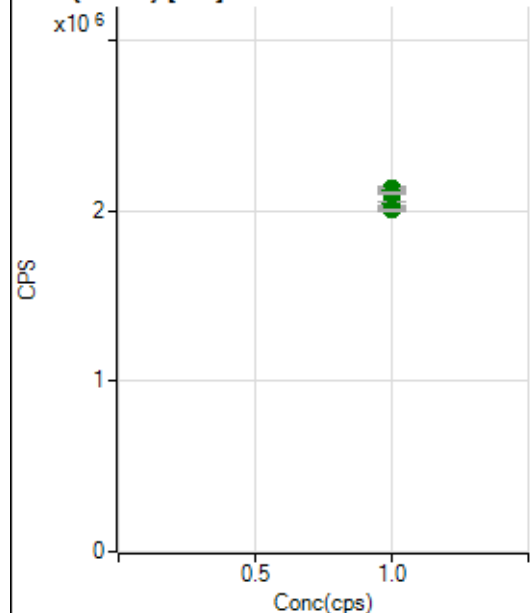
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6170149.15 |       | A    | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            | 6150155.88 |       | A    | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 6170938.66 |       | A    | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5926025.40 |       | A    | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5733678.52 |       | A    | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5703006.44 |       | A    | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5720113.04 |       | A    | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5785544.29 |       | A    | 0.4 |

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

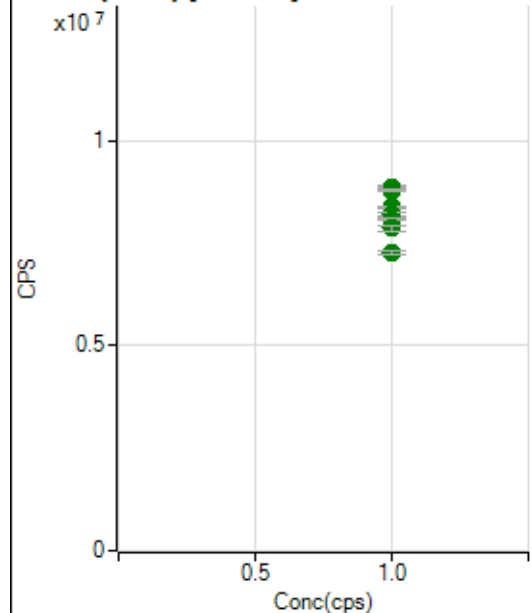
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-----------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 470575.00 |       | P    | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 468658.52 |       | P    | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 461646.08 |       | P    | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 442184.80 |       | P    | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 437221.14 |       | P    | 0.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 436888.44 |       | P    | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 439887.01 |       | P    | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 444987.52 |       | P    | 0.8 |

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

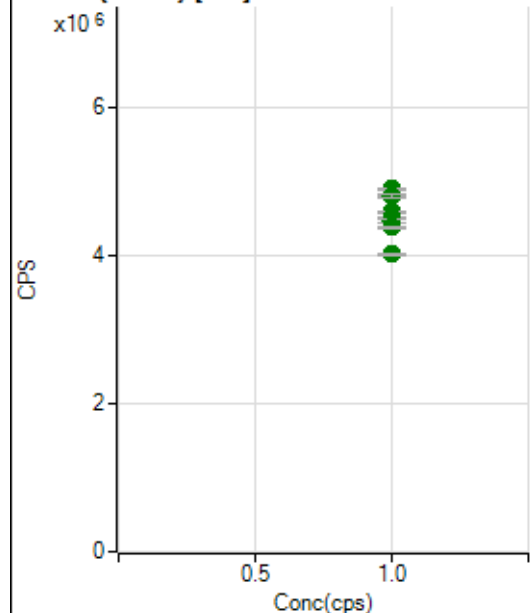
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9803859.65 |       | A    | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9805424.58 |       | A    | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9884875.06 |       | A    | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9588977.50 |       | A    | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9473445.21 |       | A    | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9402015.42 |       | A    | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9318684.93 |       | A    | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9218090.83 |       | A    | 0.2 |

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

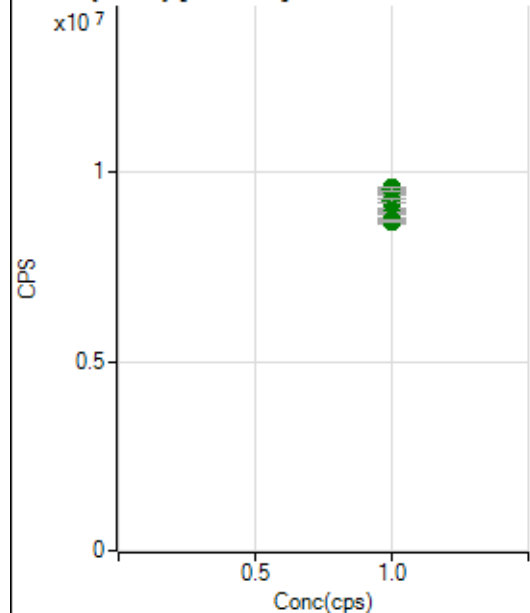
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2131108.41 |       | A    | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2121018.63 |       | A    | 1.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2105079.36 |       | A    | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2024265.07 |       | A    | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2022839.59 |       | A    | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2013773.67 |       | A    | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2041478.02 |       | A    | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2007337.87 |       | A    | 0.7 |

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

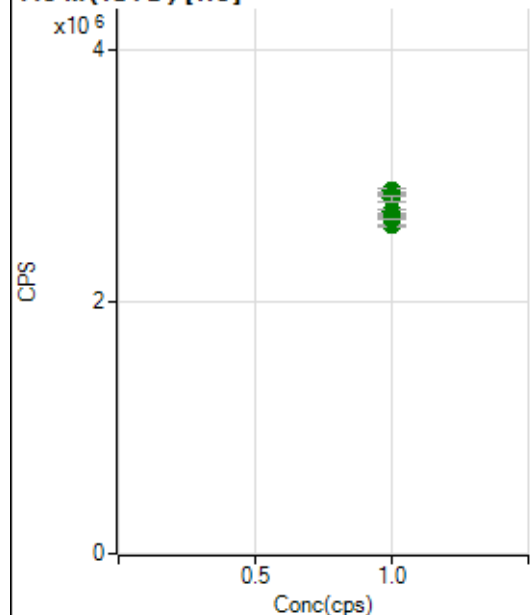
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8853417.51 |       | A    | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8850504.94 |       | A    | 0.8 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8797624.38 |       | A    | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8386679.39 |       | A    | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8221820.71 |       | A    | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8091671.96 |       | A    | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7874494.12 |       | A    | 1.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7266793.92 |       | A    | 1.2 |

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

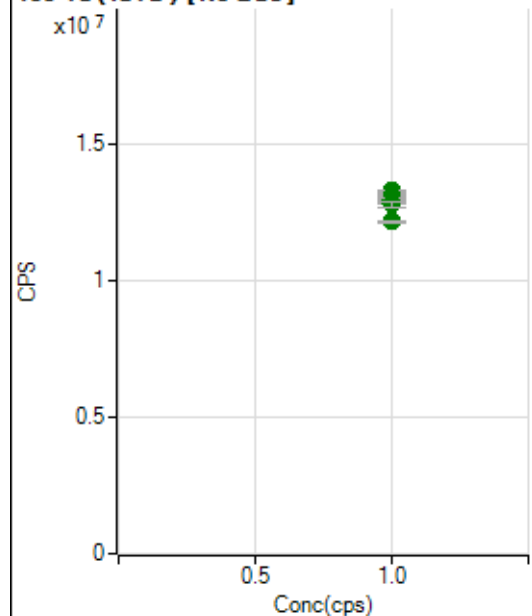
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4897546.32 |       | A    | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 4809534.72 |       | A    | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 4800458.12 |       | A    | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4583613.61 |       | A    | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4508135.04 |       | A    | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4462787.05 |       | A    | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4379518.51 |       | A    | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4015377.89 |       | A    | 0.4 |

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

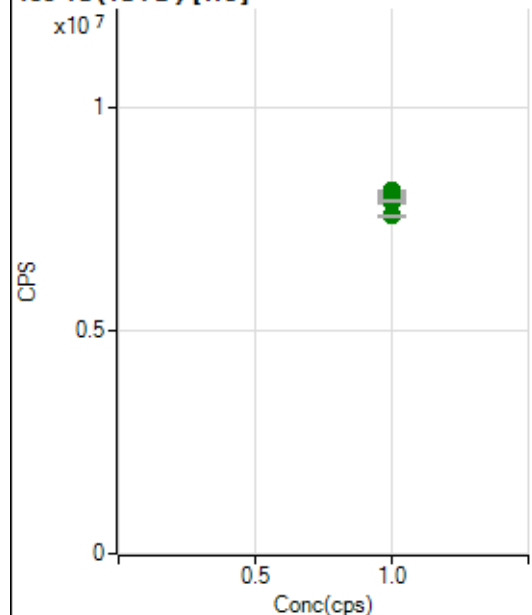
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9434769.73 |       | A    | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            | 9579515.05 |       | A    | 0.9 |
| 3 | <input type="checkbox"/> | 1.000 |            | 9543595.89 |       | A    | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9232576.73 |       | A    | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9001484.17 |       | A    | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8892467.14 |       | A    | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8718660.27 |       | A    | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8701763.56 |       | A    | 1.0 |

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

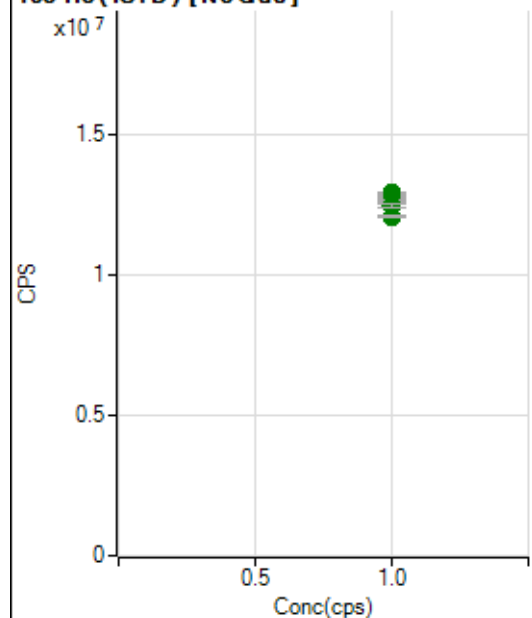
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2878940.42 |       | A    | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            | 2845380.00 |       | A    | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 2817438.47 |       | A    | 1.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2717803.08 |       | A    | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2671794.73 |       | A    | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2678562.33 |       | A    | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2602256.50 |       | A    | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2653871.65 |       | A    | 0.2 |

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

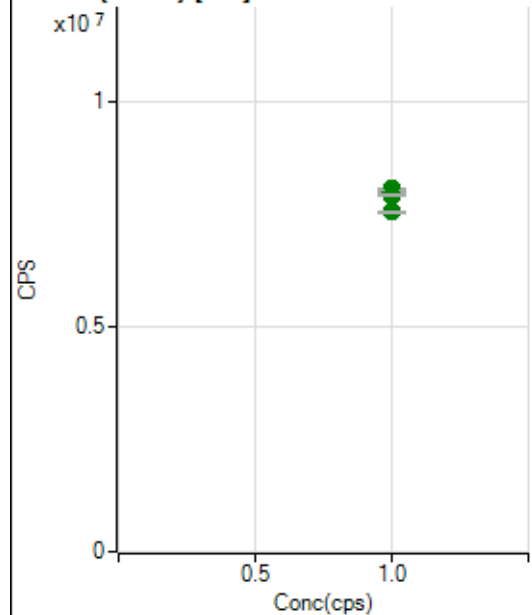
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|-------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 13083631.89 |       | A    | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            | 13148431.33 |       | A    | 0.6 |
| 3 | <input type="checkbox"/> | 1.000 |            | 13313869.10 |       | A    | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 13123677.17 |       | A    | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 12912704.81 |       | A    | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 12985171.75 |       | A    | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 12824033.56 |       | A    | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 12179231.48 |       | A    | 0.7 |

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

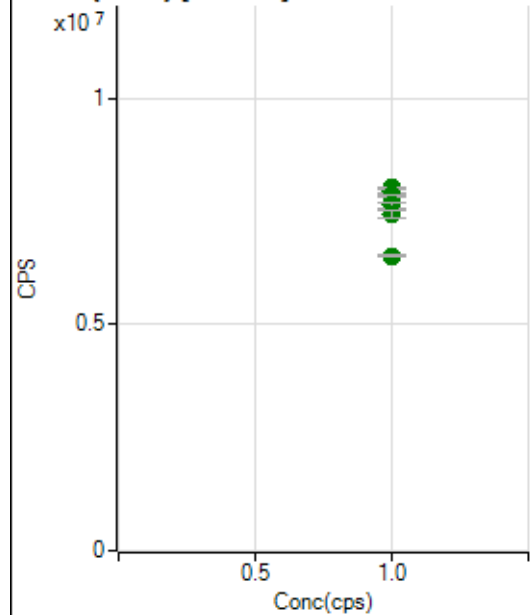
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8132406.13 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8065391.13 |       | A        | 0.3 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8004415.92 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7953079.60 |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7882884.88 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7979611.55 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7923706.13 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7566786.63 |       | A        | 0.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12749848.97 |       | A        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            | 12822542.31 |       | A        | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 12917813.00 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12789557.17 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 12657971.62 |       | A        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 12620951.20 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 12467710.23 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 12057226.77 |       | A        | 0.5 |

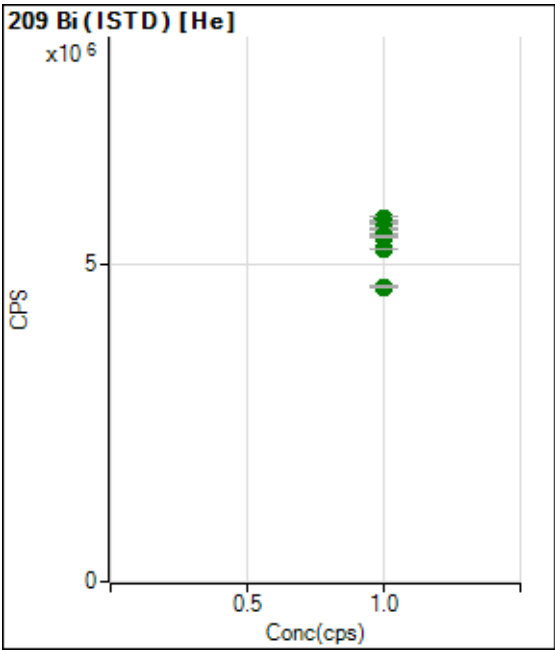
**165 Ho (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8022828.70 |       | A    | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            | 8022637.94 |       | A    | 0.7 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8047477.17 |       | A    | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7978373.70 |       | A    | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7933391.48 |       | A    | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7979644.67 |       | A    | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7905317.87 |       | A    | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7538234.54 |       | A    | 0.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7945861.97 |       | A    | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 7972147.38 |       | A    | 1.1 |
| 3 | <input type="checkbox"/> | 1.000 |            | 8027868.14 |       | A    | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7882399.19 |       | A    | 0.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7836876.41 |       | A    | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7656790.16 |       | A    | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7451403.50 |       | A    | 2.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6528419.07 |       | A    | 0.9 |





|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5723535.82 |       | A    | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            | 5685387.34 |       | A    | 0.5 |
| 3 | <input type="checkbox"/> | 1.000 |            | 5662806.37 |       | A    | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5566939.22 |       | A    | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5471786.86 |       | A    | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5436267.77 |       | A    | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5252643.39 |       | A    | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4653202.43 |       | A    | 0.2 |

# US EPA Tune Check Report

Operator Name                   Jaswal

Acq/Data Batch                 D:\Agilent\ICPMH\1\DATA\IP7041824 MS.b

Acq. Date-Time                2024-04-18 09:22:43

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    |              | 17136  | 171359.68  |                            |             | 0.459  | 5.000           |
| 24   |              | 110358 | 1103575.14 |                            |             | 0.707  | 5.000           |
| 25   |              | 14902  | 149015.80  |                            |             | 0.283  | 5.000           |
| 26   |              | 17447  | 174472.31  |                            |             | 0.299  | 5.000           |
| 59   |              | 132883 | 1328828.09 |                            |             | 0.760  | 5.000           |
| 113  |              | 17632  | 176318.21  |                            |             | 0.752  | 5.000           |
| 115  |              | 211970 | 2119703.12 |                            |             | 0.492  | 5.000           |
| 206  |              | 50170  | 501703.94  |                            |             | 0.865  | 5.000           |
| 207  |              | 45854  | 458538.90  |                            |             | 0.695  | 5.000           |
| 208  |              | 116164 | 1161635.87 |                            |             | 0.798  | 5.000           |
| 220  |              | 0      | 4.70       |                            |             | 28.743 |                 |

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

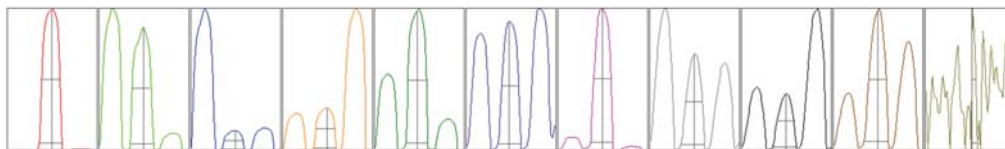
| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 9    | 17176       | 17235       | 17127       | 17119       | 17022       |
| 24   | 110854      | 109148      | 110131      | 111167      | 110487      |
| 25   | 14933       | 14897       | 14830       | 14929       | 14918       |
| 26   | 17396       | 17533       | 17438       | 17450       | 17418       |
| 59   | 133805      | 134061      | 132526      | 132320      | 131702      |
| 113  | 17832       | 17694       | 17572       | 17496       | 17565       |
| 115  | 212444      | 212646      | 213040      | 210668      | 211055      |
| 206  | 50706       | 50445       | 50187       | 49600       | 49915       |
| 207  | 46413       | 45731       | 45756       | 45608       | 45762       |
| 208  | 117514      | 115923      | 115307      | 115407      | 116666      |

# US EPA Tune Check Report

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

Integration Time [sec] 0.1

## Resolution/Axis



| Mass | Peak Height | Axis   | Axis (Required) | Axis (Flag) |
|------|-------------|--------|-----------------|-------------|
| 9    | 29475.68    | 9.00   | 8.90 - 9.10     |             |
| 24   | 184718.30   | 24.00  | 23.90 - 24.10   |             |
| 25   | 24768.67    | 25.00  | 24.90 - 25.10   |             |
| 26   | 28724.19    | 26.00  | 25.90 - 26.10   |             |
| 59   | 222730.39   | 58.95  | 58.90 - 59.10   |             |
| 113  | 32217.28    | 112.95 | 112.90 - 113.10 |             |
| 115  | 382341.02   | 115.00 | 114.90 - 115.10 |             |
| 206  | 92433.63    | 206.00 | 205.90 - 206.10 |             |
| 207  | 83805.27    | 207.00 | 206.90 - 207.10 |             |
| 208  | 206618.47   | 208.00 | 207.90 - 208.10 |             |
| 220  | 0.95        | 220.10 | -               |             |

| Mass | W-50% | W-5%  | W-5% (Required) | W-5% (Flag) |
|------|-------|-------|-----------------|-------------|
| 9    | 0.59  | 0.764 | 0.900           |             |
| 24   | 0.64  | 0.784 | 0.900           |             |
| 25   | 0.63  | 0.744 | 0.900           |             |
| 26   | 0.63  | 0.745 | 0.900           |             |
| 59   | 0.62  | 0.740 | 0.900           |             |
| 113  | 0.56  | 0.775 | 0.900           |             |
| 115  | 0.57  | 0.753 | 0.900           |             |
| 206  | 0.55  | 0.803 | 0.900           |             |
| 207  | 0.56  | 0.786 | 0.900           |             |
| 208  | 0.57  | 0.816 | 0.900           |             |
| 220  | 0.13  | 0.193 |                 |             |

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

## Tune Parameters

### Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.82 L/min Dilution Gas 0.40 L/min

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

### Lens Parameters

|            |          |               |       |            |        |
|------------|----------|---------------|-------|------------|--------|
| Extract 1  | 0.0 V    | Omega Lens    | 8.1 V | Deflect    | 14.4 V |
| Extract 2  | -150.0 V | Cell Entrance | -30 V | Plate Bias | -35 V  |
| Omega Bias | -80 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   | 133 | Axis Gain   | 0.9976 | QP Bias | -3.0 V |
| Mass Offset | 130 | Axis Offset | 0.14   |         |        |

### Hardware Settings

#### Torch

|         |         |         |        |
|---------|---------|---------|--------|
| Torch H | -0.7 mm | Torch V | 0.9 mm |
|---------|---------|---------|--------|

#### EM

|               |        |           |        |          |        |
|---------------|--------|-----------|--------|----------|--------|
| Discriminator | 4.6 mV | Analog HV | 2302 V | Pulse HV | 1350 V |
|---------------|--------|-----------|--------|----------|--------|

[He]

### Sensitivity

| Mass | Conc. [ug/l] | Count | CPS       | Resp (Required) [cps/ug/l] | Resp (Flag) | RSD%  | RSD% (Required) |
|------|--------------|-------|-----------|----------------------------|-------------|-------|-----------------|
| 59   |              | 39793 | 397925.86 |                            |             | 0.402 |                 |
| 89   |              | 37614 | 376141.15 |                            |             | 0.541 |                 |
| 205  |              | 50709 | 507093.21 |                            |             | 0.708 |                 |

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

| Mass | Rep#1 Count | Rep#2 Count | Rep#3 Count | Rep#4 Count | Rep#5 Count |
|------|-------------|-------------|-------------|-------------|-------------|
| 59   | 40076       | 39692       | 39720       | 39755       | 39720       |
| 89   | 37928       | 37589       | 37648       | 37535       | 37371       |
| 205  | 51282       | 50756       | 50308       | 50595       | 50607       |

Integration Time [sec] 0.1

### Tune Parameters

#### Plasma Parameters

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

### Lens Parameters

|           |       |            |       |         |       |
|-----------|-------|------------|-------|---------|-------|
| Extract 1 | 0.0 V | Omega Lens | 8.9 V | Deflect | 3.0 V |
|-----------|-------|------------|-------|---------|-------|

# US EPA Tune Check Report

|                   |            |               |         |                       |         |
|-------------------|------------|---------------|---------|-----------------------|---------|
| Extract 2         | -150.0 V   | Cell Entrance | -40 V   | Plate Bias            | -60 V   |
| Omega Bias        | -80 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         | 133        | Axis Gain     | 0.9976  | QP Bias               | -13.0 V |
| Mass Offset       | 130        | Axis Offset   | 0.14    |                       |         |
| Hardware Settings |            |               |         |                       |         |
| Torch             |            |               |         |                       |         |
| Torch H           | -0.7 mm    | Torch V       | 0.9 mm  |                       |         |
| EM                |            |               |         |                       |         |
| Discriminator     | 4.6 mV     | Analog HV     | 2302 V  | Pulse HV              | 1350 V  |