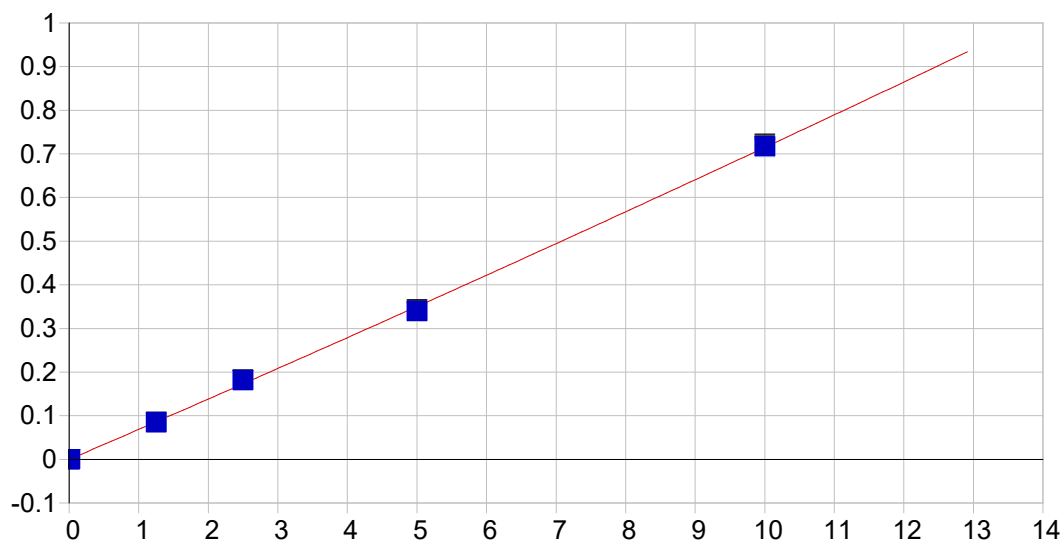


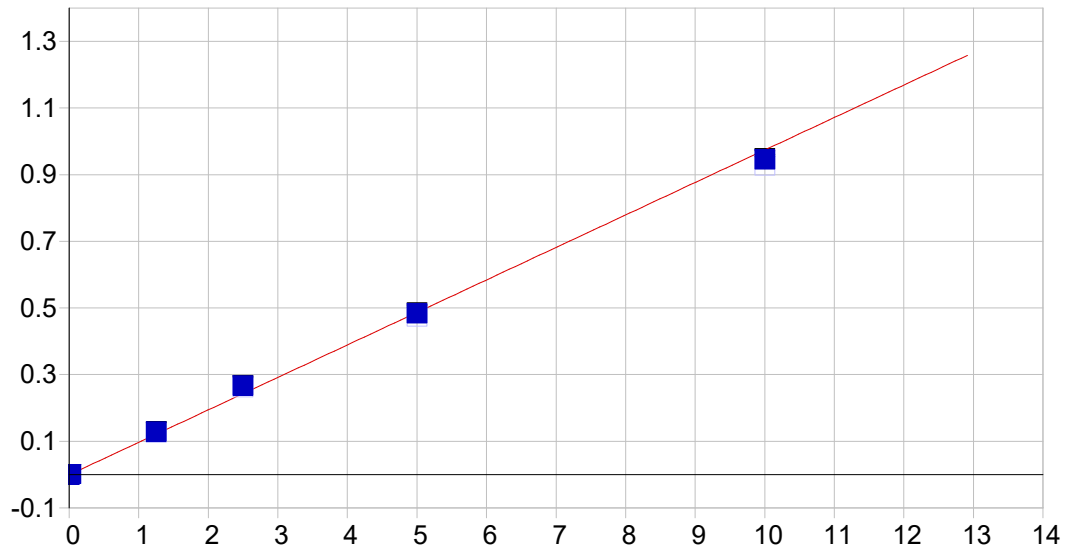


**As 189.042 {479}**

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Curvilinear Weighting: 1/Conc

|                   |           |           |                            |
|-------------------|-----------|-----------|----------------------------|
| A0 (Offset):      | -0.000264 | Re-Slope: | 1.000000                   |
| A1 (Gain):        | 0.068657  | Y-int:    | 0.000000                   |
| A2 (Curvature):   | 0.000285  |           |                            |
| n (Exponent):     | 1.000000  |           |                            |
| Correlation:      | 0.999702  | Status:   | Warning Positive Curvature |
| Std Error of Est: | 0.000033  |           |                            |
| Predicted MDL:    | 0.003016  |           |                            |
| Predicted MQL:    | 0.010052  |           |                            |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00026 | .000    | 1        |
| S1        | .01000       | .00707      | -.003      | -29.3   | .00022  | .000    | 1        |
| S2        | 1.2500       | 1.2320      | -.018      | -1.44   | .08445  | .001    | 1        |
| S3        | 2.5000       | 2.6208      | .121       | 4.83    | .18102  | .000    | 1        |
| S4        | 5.0000       | 4.8583      | -.142      | -2.83   | .33880  | .003    | 1        |
| S5        | 10.000       | 10.042      | .042       | .417    | .71546  | .005    | 1        |

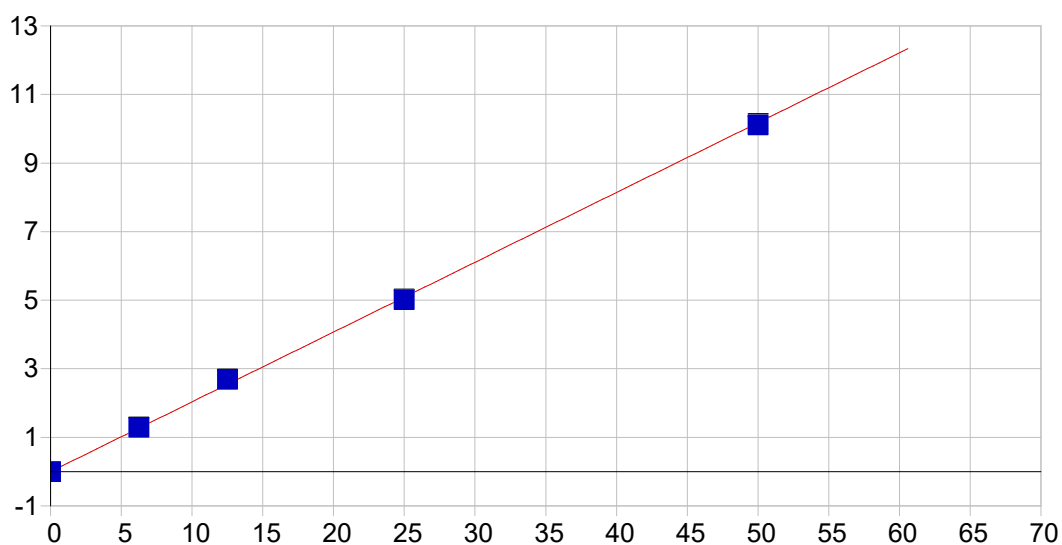


TI 190.856 {477}

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000770 Re-Slope: 1.000000  
 A1 (Gain): 0.097486 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998966 Status: OK.  
 Std Error of Est: 0.000115  
 Predicted MDL: 0.001815  
 Predicted MQL: 0.006048

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00077 | .000    | 1        |
| S1        | .02500       | .02520      | .000       | .787    | .00158  | .000    | 1        |
| S2        | 1.2500       | 1.3248      | .075       | 5.98    | .12613  | .001    | 1        |
| S3        | 2.5000       | 2.7466      | .247       | 9.86    | .26249  | .001    | 1        |
| S4        | 5.0000       | 4.9693      | -.031      | -.615   | .47468  | .003    | 1        |
| S5        | 10.000       | 9.7092      | -.291      | -2.91   | .92776  | .003    | 1        |

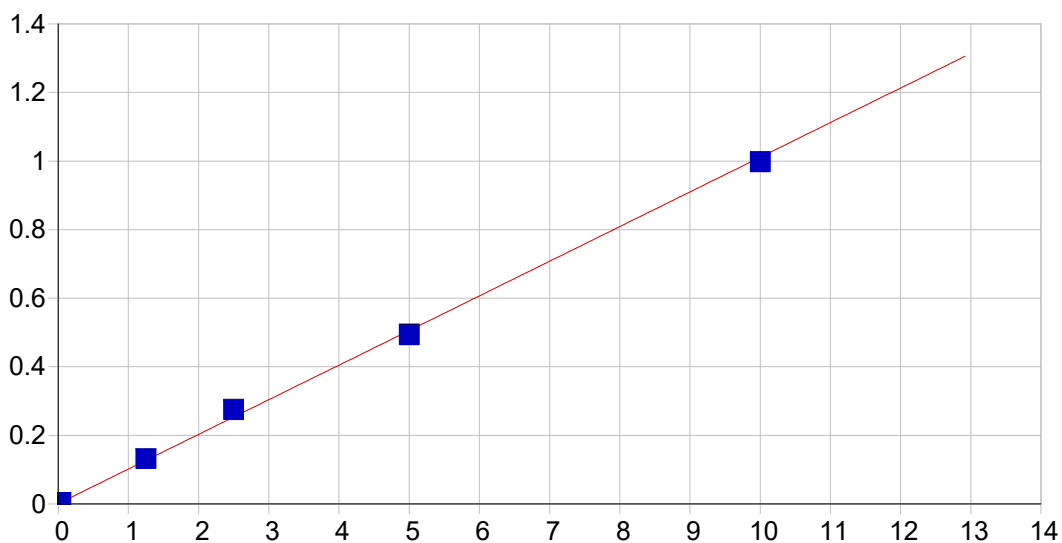


# **Pb 220.353 {453}**

Date of Fit: 02/06/2019 11:29:56      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000507 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.203565  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999746  | Status:   | OK.      |
| Std Error of Est: | 0.000172  |           |          |
| Predicted MDL:    | 0.001783  |           |          |
| Predicted MQL:    | 0.005943  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00051 | .000    | 1        |
| S1        | .01000       | .00968      | -.000      | -3.19   | .00146  | .000    | 1        |
| S2        | 6.2500       | 6.3160      | .066       | 1.06    | 1.2851  | .010    | 1        |
| S3        | 12.500       | 13.190      | .690       | 5.52    | 2.6842  | .011    | 1        |
| S4        | 25.000       | 24.598      | -.402      | -1.61   | 5.0063  | .026    | 1        |
| S5        | 50.000       | 49.647      | -.353      | -.706   | 10.105  | .041    | 1        |

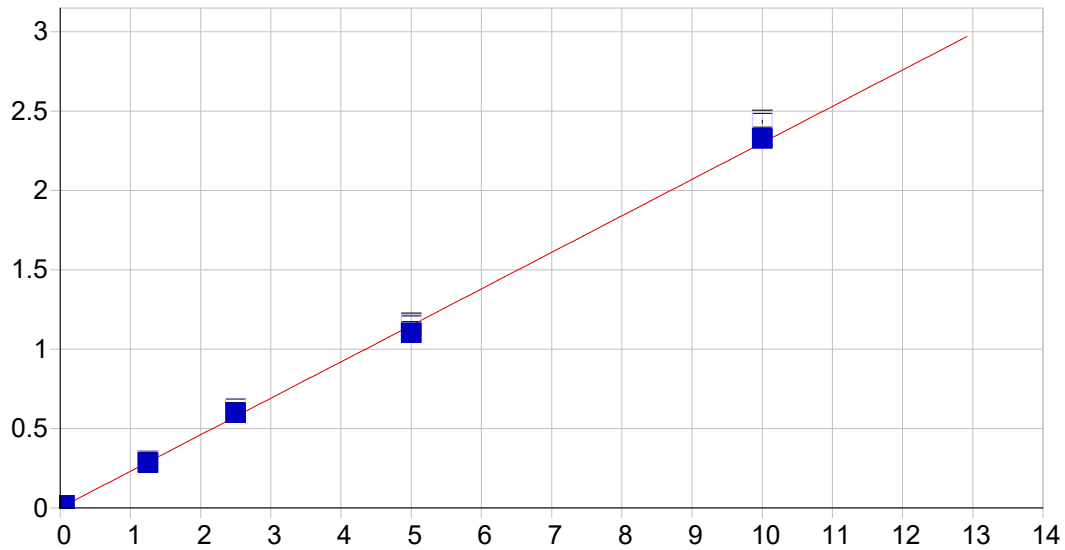


Se 196.090 {472}

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000659 Re-Slope: 1.000000  
 A1 (Gain): 0.101030 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999312 Status: OK.  
 Std Error of Est: 0.000117  
 Predicted MDL: 0.002791  
 Predicted MQL: 0.009304

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00066 | .000    | 1        |
| S1        | .03500       | .03980      | .005       | 13.7    | .00468 | .000    | 1        |
| S2        | 1.2500       | 1.2997      | .050       | 3.98    | .13164 | .001    | 1        |
| S3        | 2.5000       | 2.7110      | .211       | 8.44    | .27389 | .001    | 1        |
| S4        | 5.0000       | 4.8677      | -.132      | -2.65   | .49111 | .003    | 1        |
| S5        | 10.000       | 9.8667      | -.133      | -1.33   | .99483 | .000    | 1        |

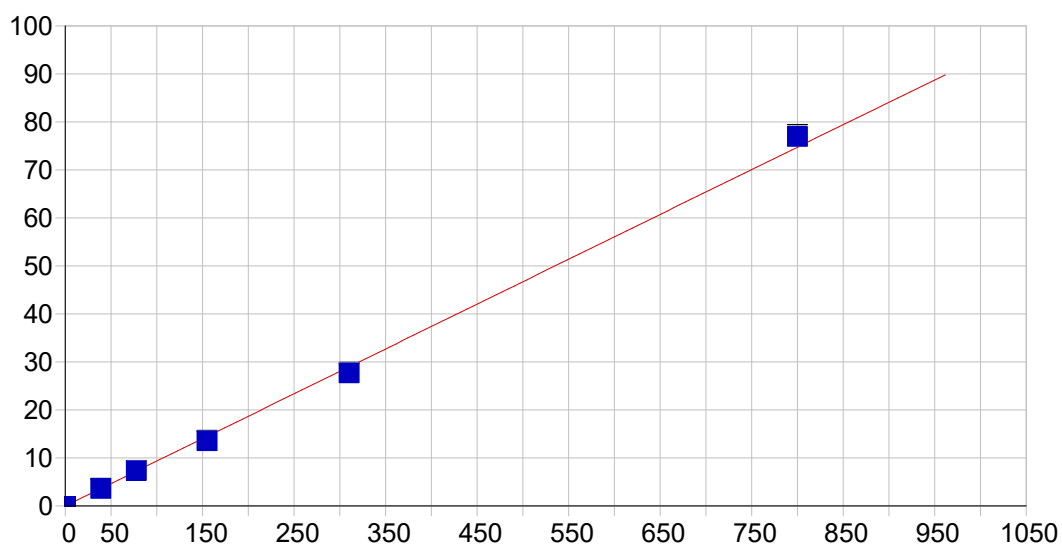


**Sb 206.833 {463}**

Date of Fit: 02/06/2019 11:29:56      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000869 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.229929 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999650 | Status:   | OK.      |
| Std Error of Est: | 0.000262 |           |          |
| Predicted MDL:    | 0.001540 |           |          |
| Predicted MQL:    | 0.005135 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00087 | .000    | 1        |
| S1        | .06000       | .06287      | .003       | 4.78    | .01534 | .001    | 1        |
| S2        | 1.2500       | 1.2332      | -.017      | -1.34   | .29766 | .001    | 1        |
| S3        | 2.5000       | 2.5999      | .100       | 4.00    | .62514 | .002    | 1        |
| S4        | 5.0000       | 4.7929      | -.207      | -4.14   | 1.1558 | .009    | 1        |
| S5        | 10.000       | 10.121      | .121       | 1.21    | 2.4339 | .010    | 1        |

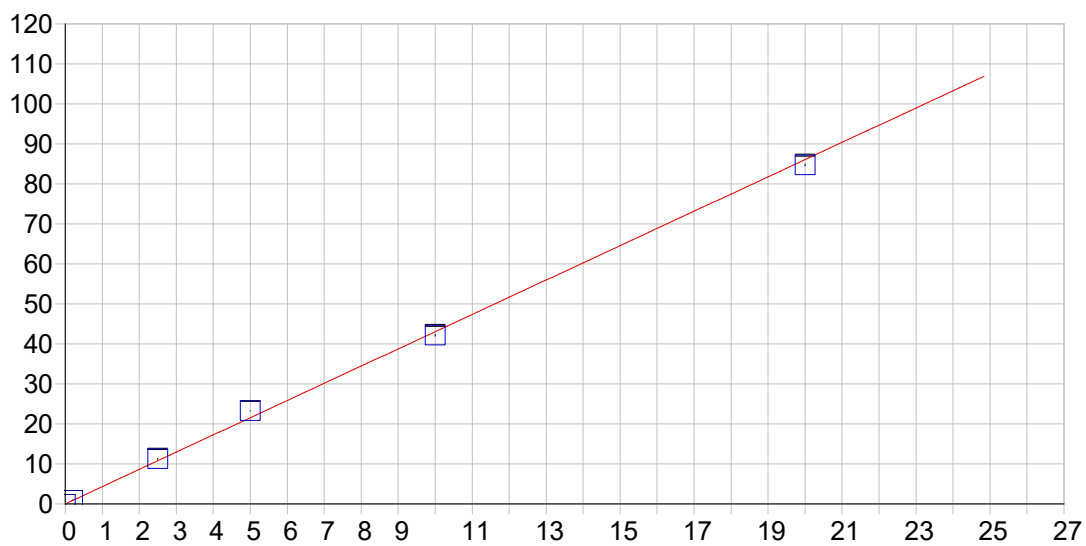


AI 396.152 { 85}

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004034 Re-Slope: 1.000000  
 A1 (Gain): 0.093422 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999279 Status: OK.  
 Std Error of Est: 0.002210  
 Predicted MDL: 0.015521  
 Predicted MQL: 0.051737

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00403 | .001    | 1        |
| S1        | .20000       | .21096      | .011       | 5.48    | .02406 | .001    | 1        |
| S2        | 38.750       | 38.348      | -.402      | -1.04   | 3.5938 | .065    | 1        |
| S3        | 77.500       | 78.749      | 1.25       | 1.61    | 7.3754 | .010    | 1        |
| S4        | 155.00       | 144.60      | -10.4      | -6.71   | 13.542 | .121    | 1        |
| S5        | 310.00       | 296.34      | -13.7      | -4.41   | 27.746 | .099    | 1        |
| S6        | 800.00       | 823.24      | 23.2       | 2.90    | 76.959 | .424    | 1        |

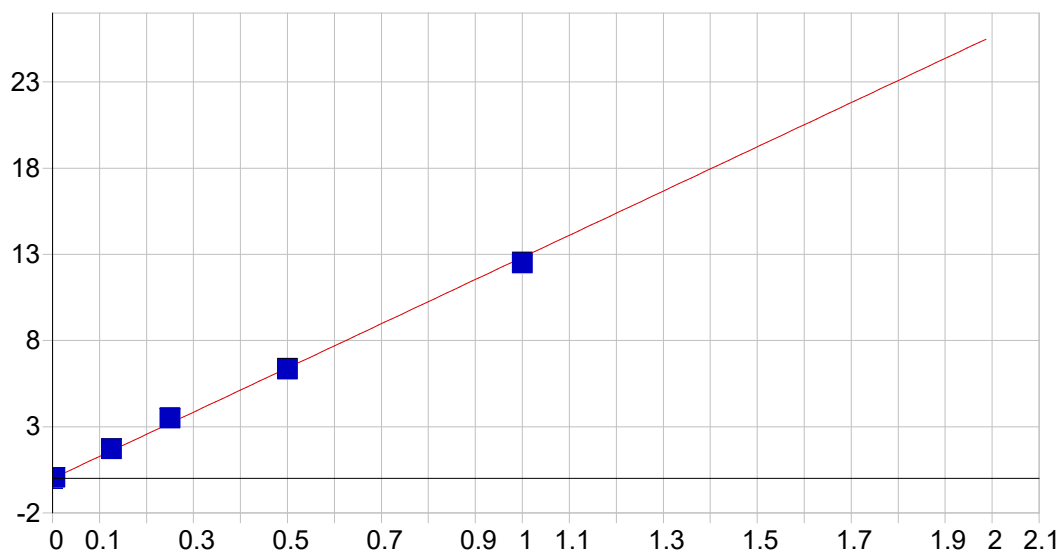


**Ba 493.409 { 68}**

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.035724 Re-Slope: 1.000000  
 A1 (Gain): 4.301994 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999373 Status: OK.  
 Std Error of Est: 0.016194  
 Predicted MDL: 0.000958  
 Predicted MQL: 0.003192

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00003     | -.000      | .000    | .03558 | .004    | 1        |
| S1        | .20000       | .21666      | .017       | 8.33    | .96781 | .005    | 1        |
| S2        | 2.5000       | 2.6164      | .116       | 4.66    | 11.292 | .162    | 1        |
| S3        | 5.0000       | 5.3940      | .394       | 7.88    | 23.241 | .057    | 1        |
| S4        | 10.000       | 9.7916      | -.208      | -2.08   | 42.159 | .270    | 1        |
| S5        | 20.000       | 19.681      | -.319      | -1.59   | 84.705 | .247    | 1        |

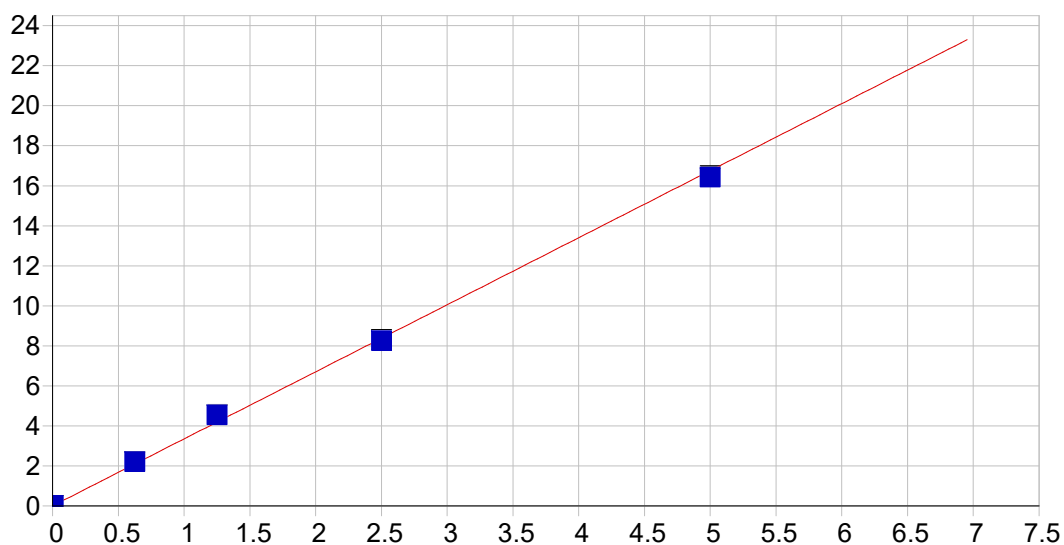


Be 234.861 {144}

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004655 Re-Slope: 1.000000  
 A1 (Gain): 12.828539 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999097 Status: OK.  
 Std Error of Est: 0.002040  
 Predicted MDL: 0.000064  
 Predicted MQL: 0.000214

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00467 | .001    | 1        |
| S1        | .00500       | .00540      | .000       | 7.95    | .06454  | .002    | 1        |
| S2        | .12500       | .13346      | .008       | 6.77    | 1.7022  | .030    | 1        |
| S3        | .25000       | .27258      | .023       | 9.03    | 3.4815  | .017    | 1        |
| S4        | .50000       | .49444      | -.006      | -1.11   | 6.3170  | .056    | 1        |
| S5        | 1.0000       | .97412      | -.026      | -2.59   | 12.449  | .070    | 1        |

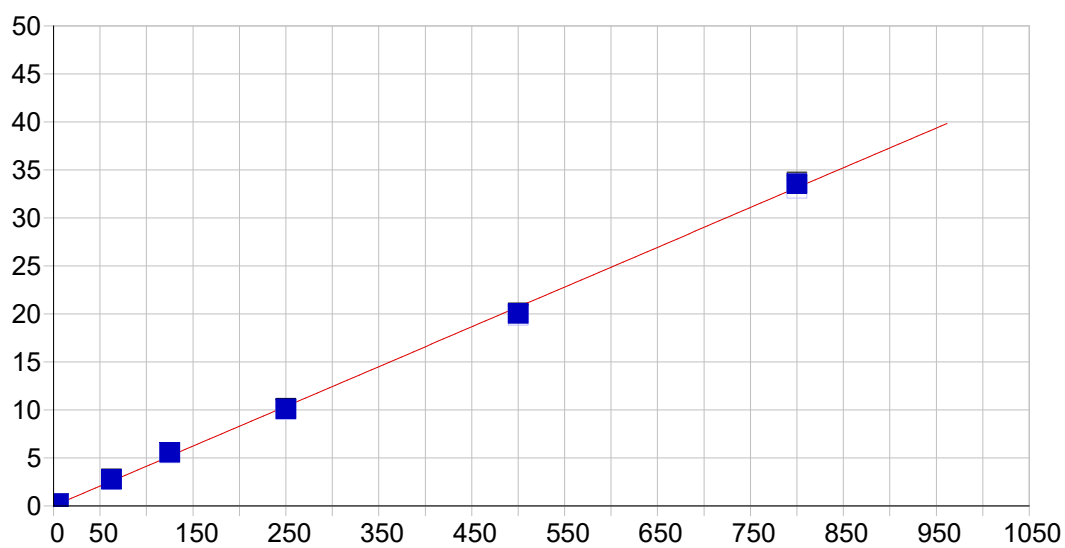


**Cd 214.438 {457}**

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000409 Re-Slope: 1.000000  
 A1 (Gain): 3.350733 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999300 Status: OK.  
 Std Error of Est: 0.001054  
 Predicted MDL: 0.000085  
 Predicted MQL: 0.000282

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00041 | .000    | 1        |
| S1        | .00500       | .00548      | .000       | 9.52    | .01877 | .000    | 1        |
| S2        | .62500       | .65615      | .031       | 4.98    | 2.2022 | .016    | 1        |
| S3        | 1.2500       | 1.3562      | .106       | 8.49    | 4.5511 | .017    | 1        |
| S4        | 2.5000       | 2.4627      | -.037      | -1.49   | 8.2650 | .043    | 1        |
| S5        | 5.0000       | 4.8995      | -.100      | -2.01   | 16.443 | .061    | 1        |

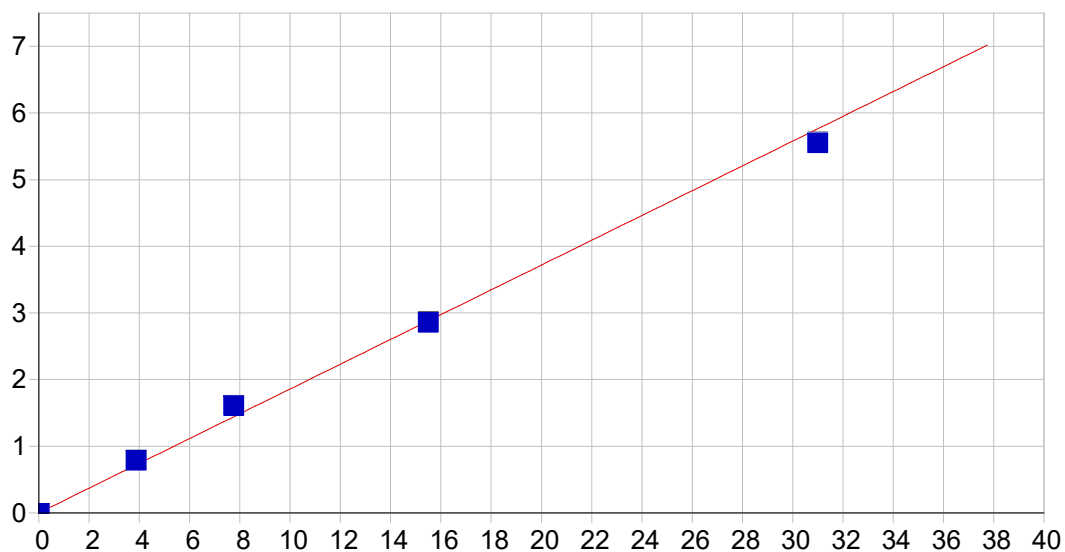


Ca 373.690 { 90}

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002922 Re-Slope: 1.000000  
 A1 (Gain): 0.041439 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999466 Status: OK.  
 Std Error of Est: 0.004673  
 Predicted MDL: 0.024609  
 Predicted MQL: 0.082029

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00100     | -.001      | .000    | .00288 | .002    | 1        |
| S1        | 5.0000       | 5.5458      | .546       | 10.9    | .23268 | .001    | 1        |
| S2        | 62.500       | 66.610      | 4.11       | 6.58    | 2.7400 | .037    | 1        |
| S3        | 125.00       | 133.94      | 8.94       | 7.15    | 5.5069 | .019    | 1        |
| S4        | 250.00       | 243.52      | -6.48      | -2.59   | 10.002 | .058    | 1        |
| S5        | 500.00       | 483.22      | -16.8      | -3.36   | 19.842 | .068    | 1        |
| S6        | 800.00       | 809.72      | 9.72       | 1.21    | 33.063 | .170    | 1        |

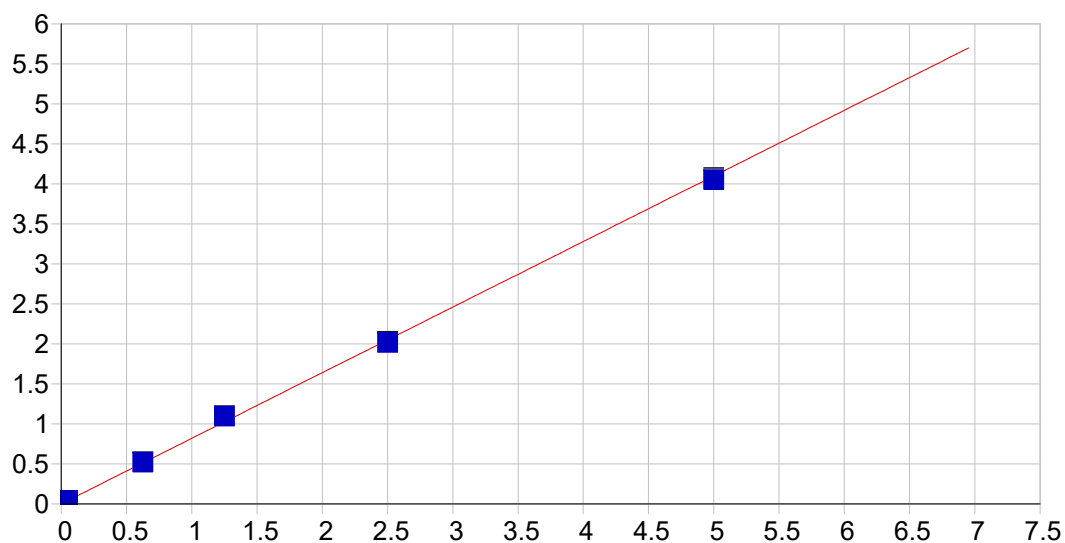


**Cr 267.716 {126}**

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000019 Re-Slope: 1.000000  
 A1 (Gain): 0.185940 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998428 Status: OK.  
 Std Error of Est: 0.000308  
 Predicted MDL: 0.000588  
 Predicted MQL: 0.001960

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00002 | .000    | 1        |
| S1        | .01000       | .01203      | .002       | 20.3    | .00226 | .000    | 1        |
| S2        | 3.8750       | 4.2437      | .369       | 9.51    | .78999 | .000    | 1        |
| S3        | 7.7500       | 8.6510      | .901       | 11.6    | 1.6104 | .001    | 1        |
| S4        | 15.500       | 15.375      | -.125      | -.805   | 2.8625 | .003    | 1        |
| S5        | 31.000       | 29.853      | -1.15      | -3.70   | 5.5581 | .005    | 1        |

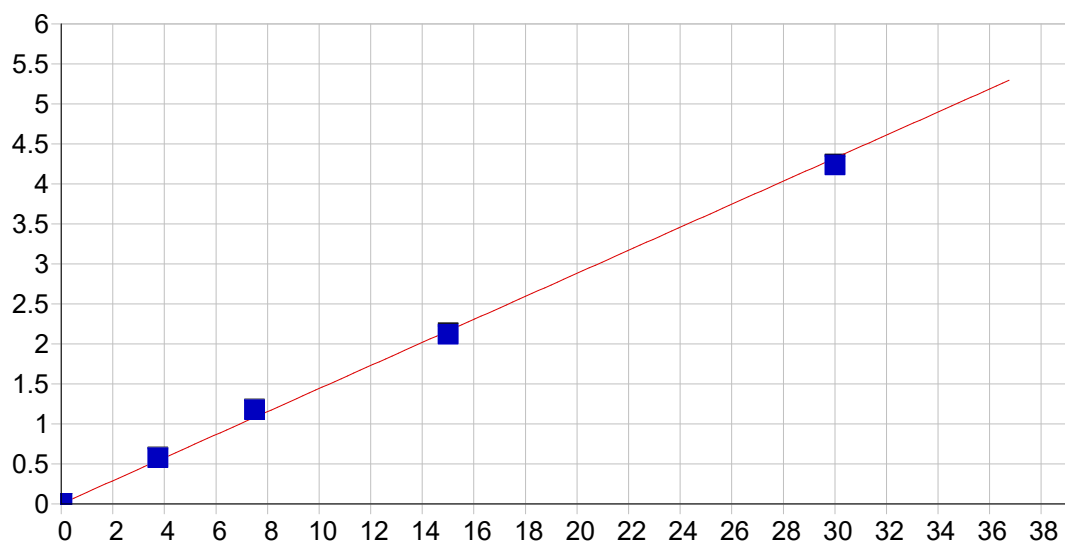


Co 228.616 {448}

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000262 Re-Slope: 1.000000  
 A1 (Gain): 0.819894 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999614 Status: OK.  
 Std Error of Est: 0.000606  
 Predicted MDL: 0.000301  
 Predicted MQL: 0.001002

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00026 | .000    | 1        |
| S1        | .05000       | .05120      | .001       | 2.39    | .04238 | .000    | 1        |
| S2        | .62500       | .63609      | .011       | 1.77    | .52260 | .004    | 1        |
| S3        | 1.2500       | 1.3349      | .085       | 6.79    | 1.0964 | .004    | 1        |
| S4        | 2.5000       | 2.4591      | -.041      | -1.64   | 2.0197 | .011    | 1        |
| S5        | 5.0000       | 4.9437      | -.056      | -1.13   | 4.0601 | .017    | 1        |

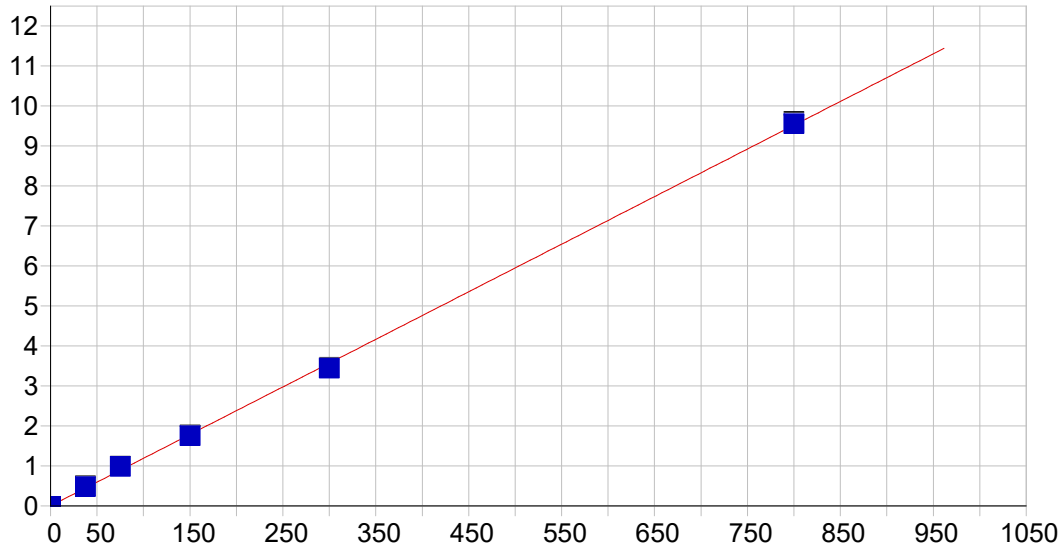


**Cu 324.754 {104}**

Date of Fit: 02/06/2019 11:29:56      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.001533 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.144035 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999171 | Status:   | OK.      |
| Std Error of Est: | 0.000269 |           |          |
| Predicted MDL:    | 0.005035 |           |          |
| Predicted MQL:    | 0.016784 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00153 | .001    | 1        |
| S1        | .02500       | .02873      | .004       | 14.9    | .00567 | .001    | 1        |
| S2        | 3.7500       | 3.9863      | .236       | 6.30    | .57529 | .010    | 1        |
| S3        | 7.5000       | 8.1679      | .668       | 8.91    | 1.1772 | .006    | 1        |
| S4        | 15.000       | 14.697      | -.303      | -2.02   | 2.1168 | .019    | 1        |
| S5        | 30.000       | 29.395      | -.605      | -2.02   | 4.2322 | .013    | 1        |

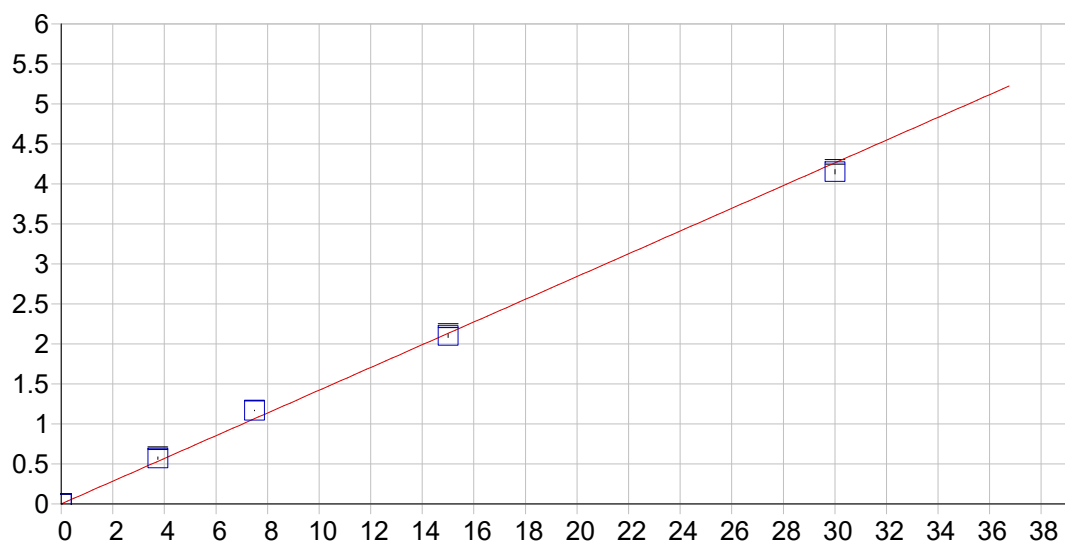


### Fe 259.837 {130}

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000581 Re-Slope: 1.000000  
 A1 (Gain): 0.011899 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999455 Status: OK.  
 Std Error of Est: 0.000172  
 Predicted MDL: 0.027283  
 Predicted MQL: 0.090944

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00058 | .000    | 1        |
| S1        | .10000       | .10104      | .001       | 1.04    | .00183 | .000    | 1        |
| S2        | 37.500       | 40.523      | 3.02       | 8.06    | .48371 | .010    | 1        |
| S3        | 75.000       | 82.618      | 7.62       | 10.2    | .98553 | .003    | 1        |
| S4        | 150.00       | 147.11      | -2.89      | -1.93   | 1.7548 | .015    | 1        |
| S5        | 300.00       | 288.98      | -11.0      | -3.67   | 3.4467 | .016    | 1        |
| S6        | 800.00       | 803.27      | 3.27       | .408    | 9.5710 | .039    | 1        |

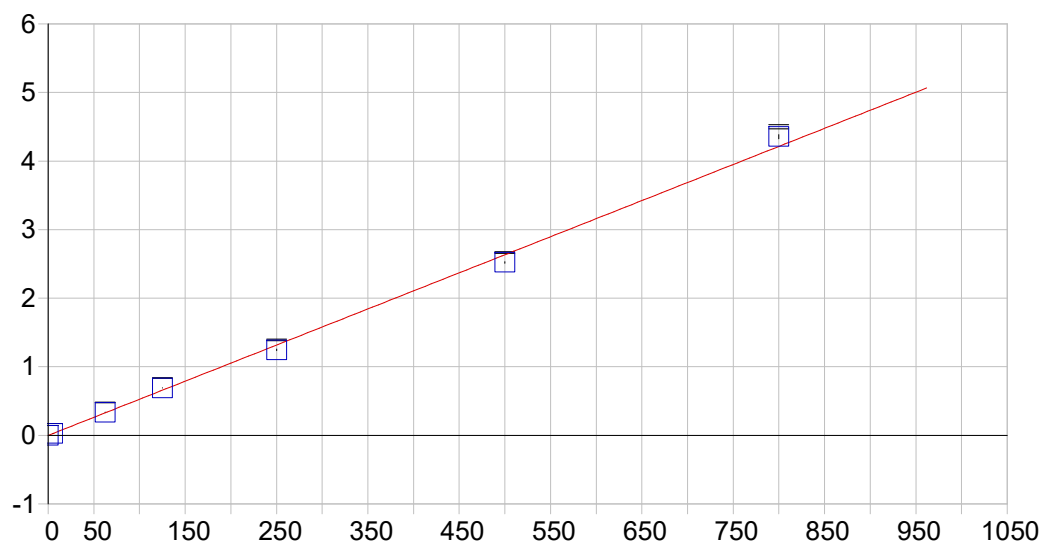


### Mn 257.610 {131}

Date of Fit: 02/06/2019 11:29:56      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000033 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.142107 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999014 | Status:   | OK.      |
| Std Error of Est: | 0.000225 |           |          |
| Predicted MDL:    | 0.001976 |           |          |
| Predicted MQL:    | 0.006586 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00003 | .000    | 1        |
| S1        | .01500       | .01624      | .001       | 8.29    | .00234 | .000    | 1        |
| S2        | 3.7500       | 4.0272      | .277       | 7.39    | .57232 | .014    | 1        |
| S3        | 7.5000       | 8.2092      | .709       | 9.46    | 1.1666 | .004    | 1        |
| S4        | 15.000       | 14.806      | -.194      | -1.30   | 2.1040 | .026    | 1        |
| S5        | 30.000       | 29.207      | -.793      | -2.64   | 4.1505 | .028    | 1        |

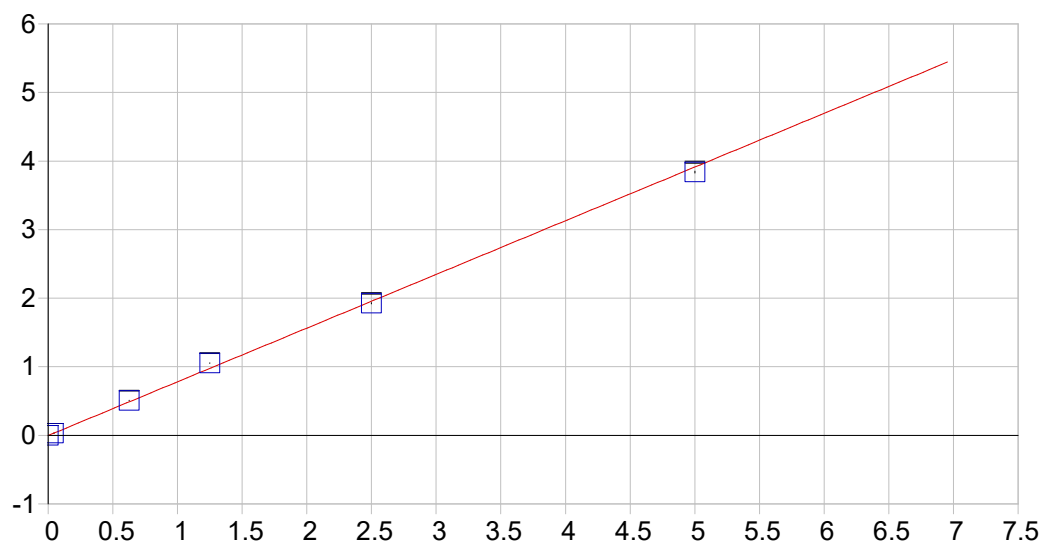


**Mg 279.079 {121}**

Date of Fit: 02/06/2019 11:29:56      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000501 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.005267  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999181  | Status:   | OK.      |
| Std Error of Est: | 0.000744  |           |          |
| Predicted MDL:    | 0.075276  |           |          |
| Predicted MQL:    | 0.250918  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00028     | -.000      | .000    | -.00050 | .000    | 1        |
| S1        | 5.0000       | 5.2571      | .257       | 5.14    | .02719  | .001    | 1        |
| S2        | 62.500       | 63.519      | 1.02       | 1.63    | .33408  | .006    | 1        |
| S3        | 125.00       | 131.29      | 6.29       | 5.03    | .69106  | .001    | 1        |
| S4        | 250.00       | 236.78      | -13.2      | -5.29   | 1.2467  | .013    | 1        |
| S5        | 500.00       | 478.74      | -21.3      | -4.25   | 2.5212  | .012    | 1        |
| S6        | 800.00       | 826.92      | 26.9       | 3.37    | 4.3553  | .030    | 1        |

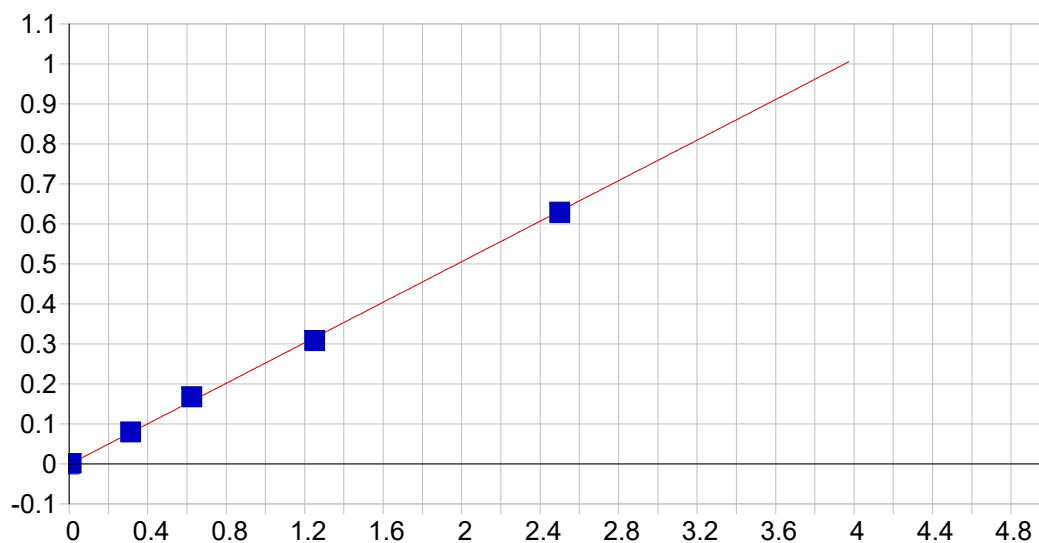


**Ni 231.604 {446}**

Date of Fit: 02/06/2019 11:29:56      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.002474 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.783067  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999377  | Status:   | OK.      |
| Std Error of Est: | 0.000657  |           |          |
| Predicted MDL:    | 0.000412  |           |          |
| Predicted MQL:    | 0.001372  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00248 | .000    | 1        |
| S1        | .04000       | .04403      | .004       | 10.1    | .03201  | .000    | 1        |
| S2        | .62500       | .65080      | .026       | 4.13    | .50715  | .003    | 1        |
| S3        | 1.2500       | 1.3500      | .100       | 8.00    | 1.0547  | .004    | 1        |
| S4        | 2.5000       | 2.4638      | -.036      | -1.45   | 1.9269  | .011    | 1        |
| S5        | 5.0000       | 4.9064      | -.094      | -1.87   | 3.8395  | .013    | 1        |

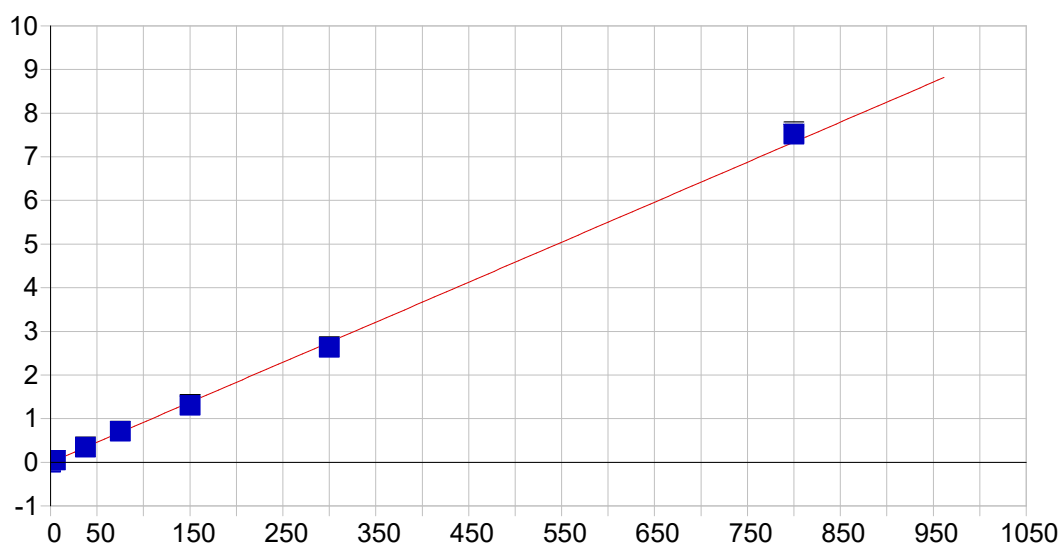


### Ag 328.068 {103}

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001150 Re-Slope: 1.000000  
 A1 (Gain): 0.253329 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999637 Status: OK.  
 Std Error of Est: 0.000057  
 Predicted MDL: 0.000616  
 Predicted MQL: 0.002054

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00115 | .000    | 1        |
| S1        | .01000       | .01095      | .001       | 9.48    | .00160  | .000    | 1        |
| S2        | .31250       | .31792      | .005       | 1.73    | .07887  | .000    | 1        |
| S3        | .62500       | .66384      | .039       | 6.21    | .16599  | .000    | 1        |
| S4        | 1.2500       | 1.2213      | -.029      | -2.30   | .30618  | .000    | 1        |
| S5        | 2.5000       | 2.4835      | -.017      | -.661   | .62386  | .001    | 1        |

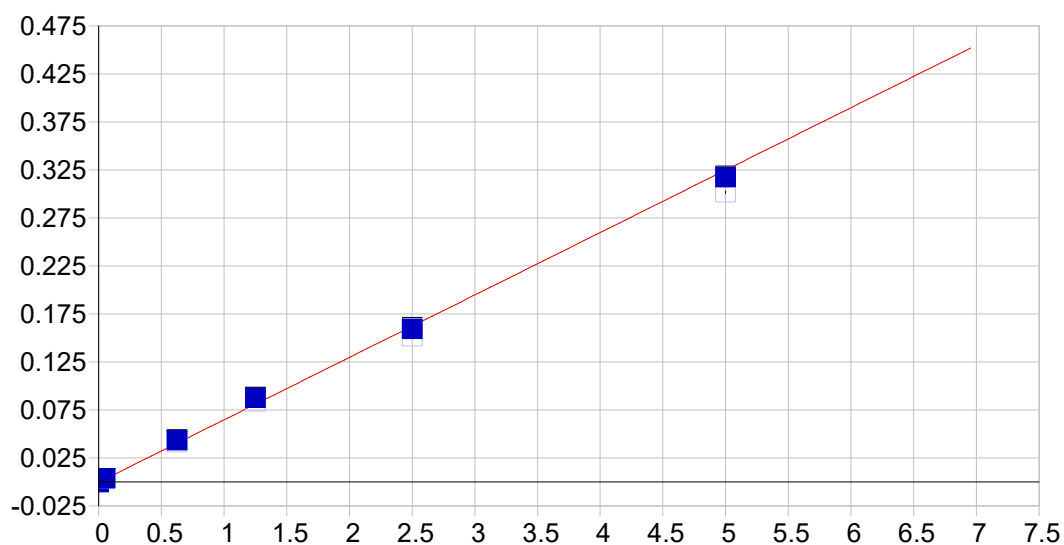


**Na 818.326 { 41}**

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001445 Re-Slope: 1.000000  
 A1 (Gain): 0.009172 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999431 Status: OK.  
 Std Error of Est: 0.000961  
 Predicted MDL: 0.357215  
 Predicted MQL: 1.190715

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00003      | .000       | .000    | -.00144 | .000    | 1        |
| S1        | 5.0000       | 5.1867      | .187       | 3.73    | .04613  | .003    | 1        |
| S2        | 37.500       | 37.680      | .180       | .481    | .34568  | .003    | 1        |
| S3        | 75.000       | 77.089      | 2.09       | 2.79    | .70865  | .002    | 1        |
| S4        | 150.00       | 141.86      | -8.14      | -5.43   | 1.3058  | .016    | 1        |
| S5        | 300.00       | 286.53      | -13.5      | -4.49   | 2.6388  | .014    | 1        |
| S6        | 800.00       | 819.15      | 19.2       | 2.39    | 7.5442  | .032    | 1        |

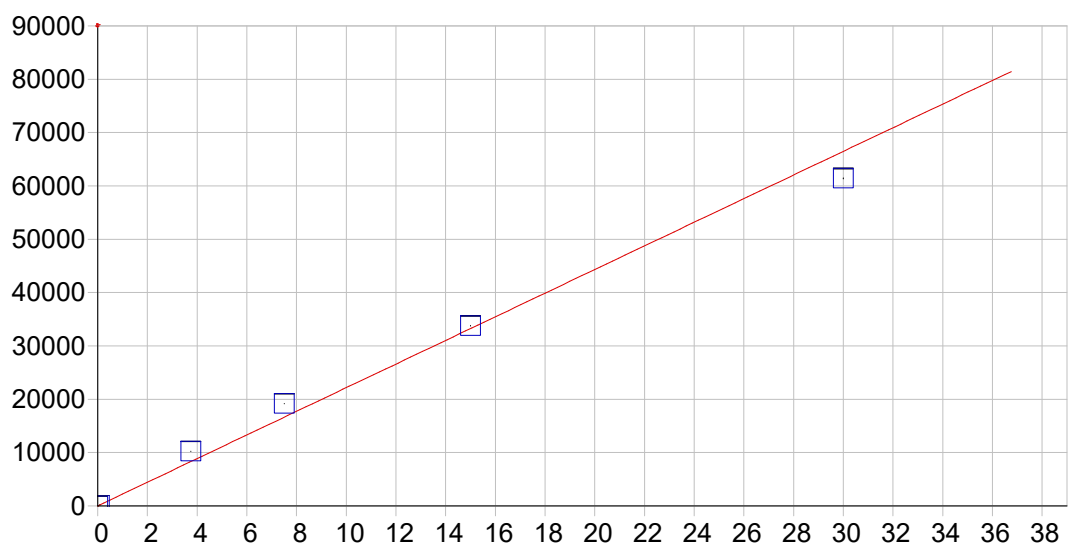


**V 292.402 {115}**

Date of Fit: 02/06/2019 11:29:56      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000360 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.065035  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.998993  | Status:   | OK.      |
| Std Error of Est: | 0.000074  |           |          |
| Predicted MDL:    | 0.007471  |           |          |
| Predicted MQL:    | 0.024904  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | -.00036 | .000    | 1        |
| S1        | .05000       | .05973      | .010       | 19.5    | .00352  | .000    | 1        |
| S2        | .62500       | .66956      | .045       | 7.13    | .04124  | .001    | 1        |
| S3        | 1.2500       | 1.3545      | .104       | 8.36    | .08383  | .001    | 1        |
| S4        | 2.5000       | 2.4566      | -.043      | -1.73   | .15161  | .002    | 1        |
| S5        | 5.0000       | 4.8841      | -.116      | -2.32   | .30169  | .001    | 1        |

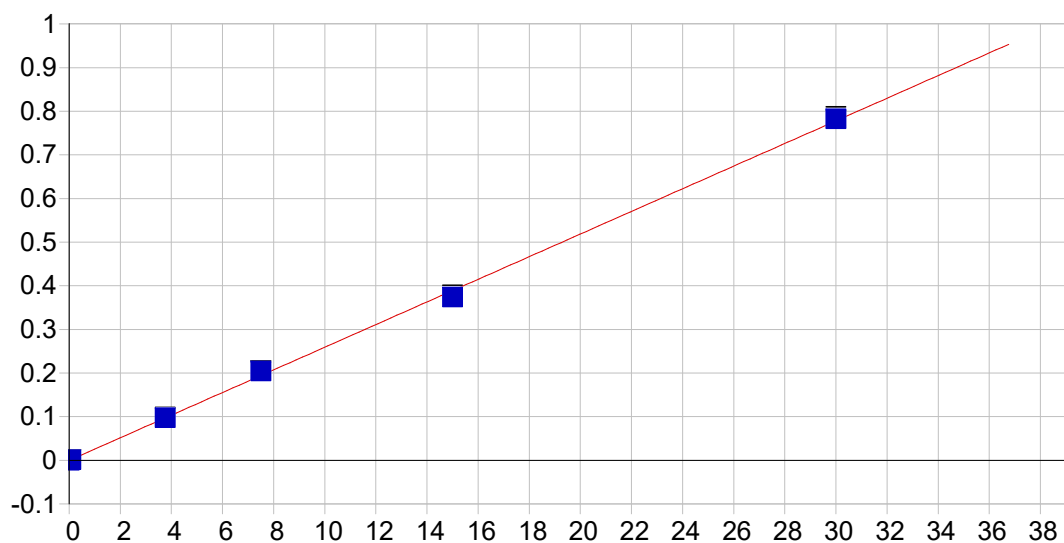


**Zn 206.200 {464}**

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 9.921562 Re-Slope: 1.000000  
 A1 (Gain): 2215.647984 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.995042 Status: OK.  
 Std Error of Est: 15.756493  
 Predicted MDL: 0.000296  
 Predicted MQL: 0.000985

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00004     | -.000      | .000    | 9.8309 | .924    | 1        |
| S1        | .06000       | .08145      | .021       | 35.7    | 190.38 | .870    | 1        |
| S2        | 3.7500       | 4.6135      | .863       | 23.0    | 10232. | 13.5    | 1        |
| S3        | 7.5000       | 8.6559      | 1.16       | 15.4    | 19188. | 40.3    | 1        |
| S4        | 15.000       | 15.243      | .243       | 1.62    | 33784. | 46.8    | 1        |
| S5        | 30.000       | 27.716      | -2.28      | -7.61   | 61419. | 72.7    | 1        |

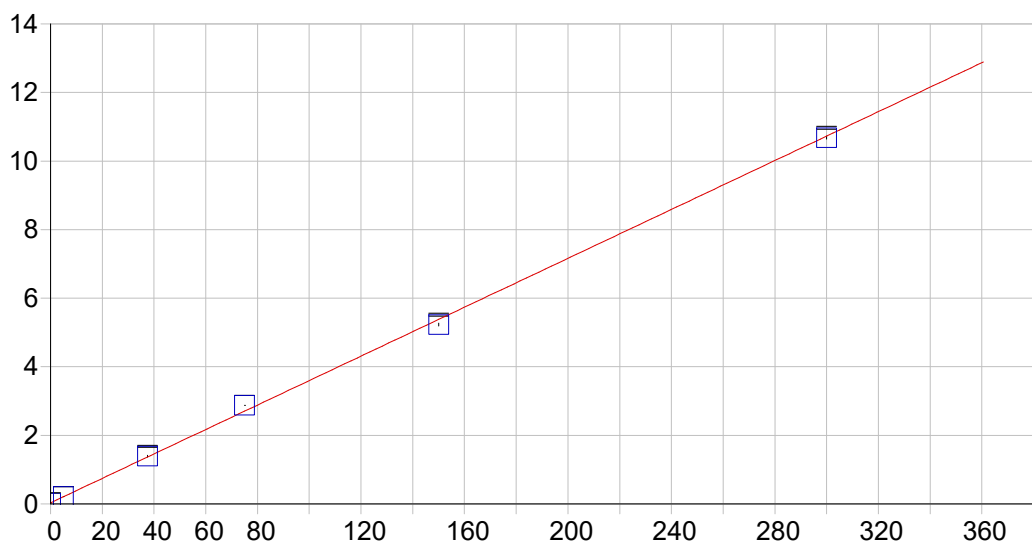


### Zn 213.856 {158}

Date of Fit: 02/06/2019 11:29:56      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000331 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.025946  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999626  | Status:   | OK.      |
| Std Error of Est: | 0.000051  |           |          |
| Predicted MDL:    | 0.015336  |           |          |
| Predicted MQL:    | 0.051118  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00033 | .000    | 1        |
| S1        | .06000       | .05545      | -.005      | -7.58   | .00111  | .000    | 1        |
| S2        | 3.7500       | 3.7743      | .024       | .649    | .09775  | .001    | 1        |
| S3        | 7.5000       | 7.8769      | .377       | 5.03    | .20436  | .002    | 1        |
| S4        | 15.000       | 14.428      | -.572      | -3.81   | .37465  | .005    | 1        |
| S5        | 30.000       | 30.175      | .175       | .584    | .78386  | .004    | 1        |

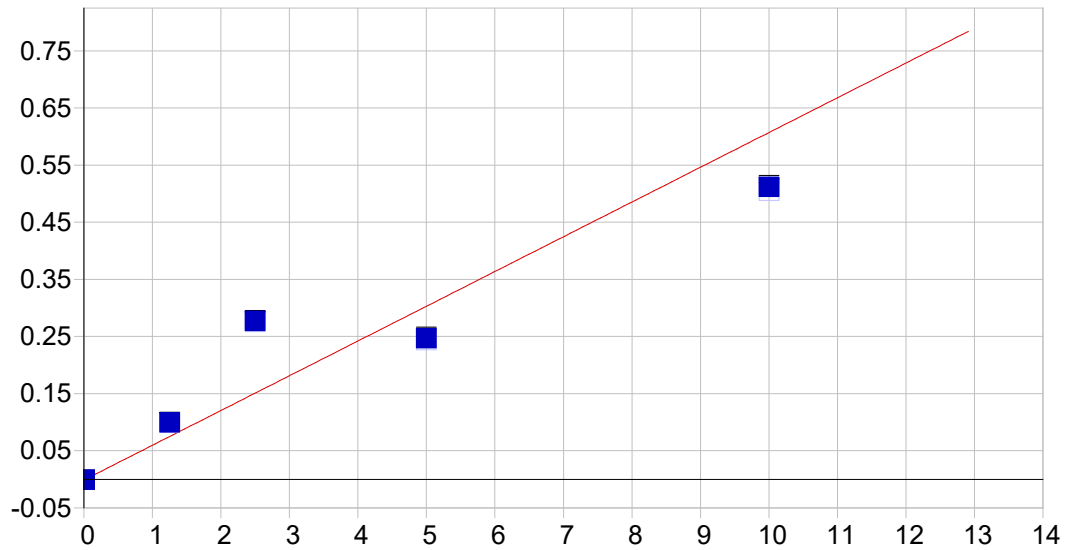


K 769.896 { 44 }

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.031322 Re-Slope: 1.000000  
 A1 (Gain): 0.035656 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999612 Status: OK.  
 Std Error of Est: 0.002049  
 Predicted MDL: 0.081175  
 Predicted MQL: 0.270582

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00042     | -.000      | .000    | .03131 | .002    | 1        |
| S1        | 5.0000       | 5.1822      | .182       | 3.64    | .21610 | .000    | 1        |
| S2        | 37.500       | 38.094      | .594       | 1.58    | 1.3896 | .025    | 1        |
| S3        | 75.000       | 79.753      | 4.75       | 6.34    | 2.8750 | .001    | 1        |
| S4        | 150.00       | 145.79      | -4.21      | -2.80   | 5.2297 | .039    | 1        |
| S5        | 300.00       | 298.68      | -1.32      | -.441   | 10.681 | .043    | 1        |

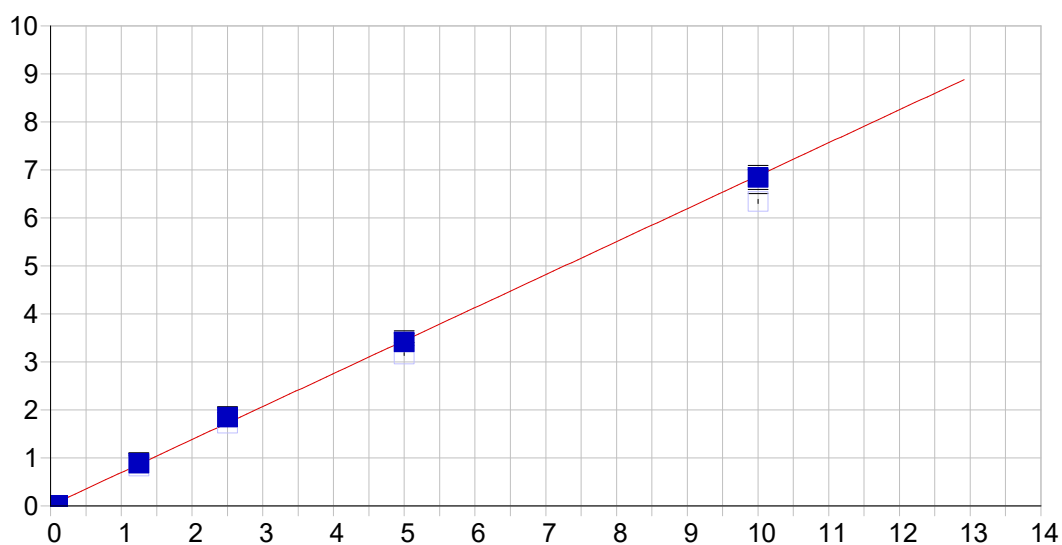


**P 177.495 {490}**

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001148 Re-Slope: 1.000000  
 A1 (Gain): 0.060827 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.943163 Status: OK.  
 Std Error of Est: 0.000355  
 Predicted MDL: 0.002145  
 Predicted MQL: 0.007151

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00115 | .000    | 1        |
| S1        | .01000       | .00602      | -.004      | -39.8   | -.00078 | .000    | 1        |
| S2        | 1.2500       | 1.6573      | .407       | 32.6    | .09881  | .001    | 1        |
| S3        | 2.5000       | 4.5794      | 2.08       | 83.2    | .27570  | .001    | 1        |
| S4        | 5.0000       | 4.0824      | -.918      | -18.4   | .24377  | .002    | 1        |
| S5        | 10.000       | 8.4348      | -1.57      | -15.7   | .50510  | .003    | 1        |

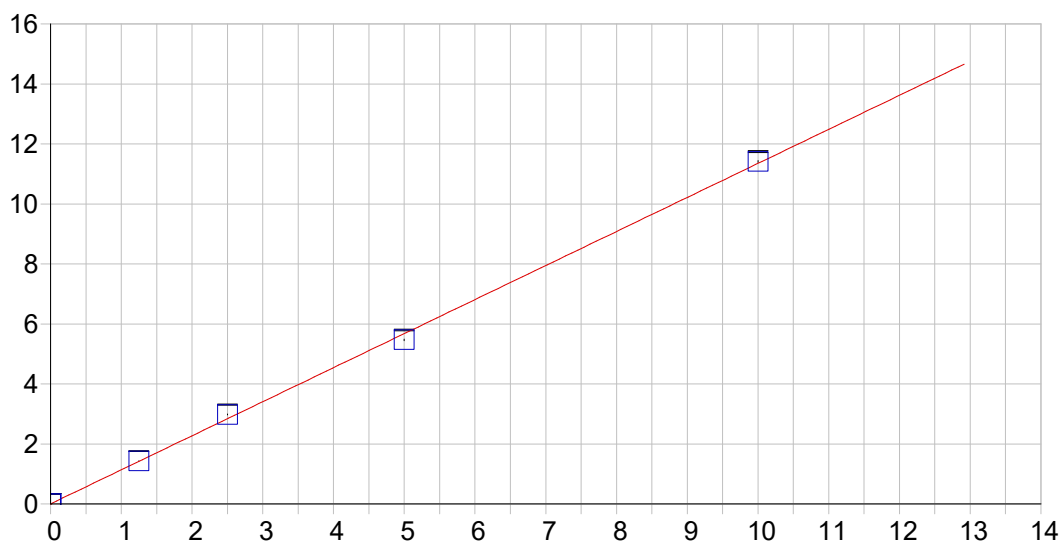


**B 249.678 {135}**

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008790 Re-Slope: 1.000000  
 A1 (Gain): 0.687010 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.996790 Status: OK.  
 Std Error of Est: 0.002721  
 Predicted MDL: 0.001199  
 Predicted MQL: 0.003995

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00009      | .000       | .000    | .00885 | .000    | 1        |
| S1        | .10000       | .00478      | -.095      | -95.2   | .01193 | .001    | 1        |
| S2        | 1.2500       | 1.2780      | .028       | 2.24    | .82447 | .012    | 1        |
| S3        | 2.5000       | 2.6771      | .177       | 7.08    | 1.7233 | .009    | 1        |
| S4        | 5.0000       | 4.9532      | -.047      | -.937   | 3.1624 | .031    | 1        |
| S5        | 10.000       | 9.9442      | -.056      | -.558   | 6.3420 | .043    | 1        |

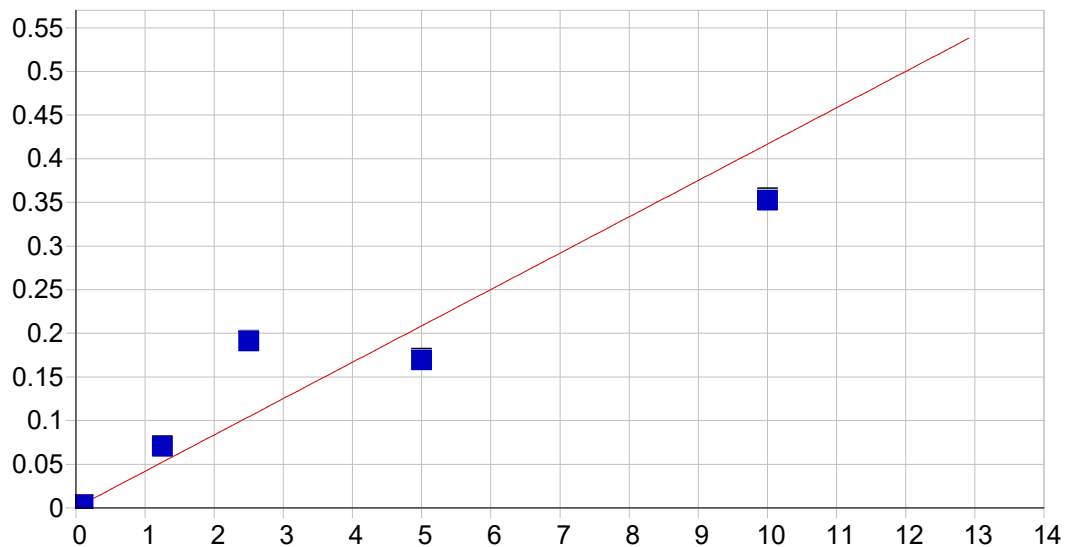


### Mo 202.030 {467}

Date of Fit: 02/06/2019 11:29:56      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000924 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 1.134995 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999645 | Status:   | OK.      |
| Std Error of Est: | 0.000508 |           |          |
| Predicted MDL:    | 0.000276 |           |          |
| Predicted MQL:    | 0.000921 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00092 | .000    | 1        |
| S1        | .01000       | .01052      | .001       | 5.16    | .01286 | .000    | 1        |
| S2        | 1.2500       | 1.2544      | .004       | .356    | 1.4247 | .011    | 1        |
| S3        | 2.5000       | 2.6247      | .125       | 4.99    | 2.9800 | .016    | 1        |
| S4        | 5.0000       | 4.8159      | -.184      | -3.68   | 5.4669 | .030    | 1        |
| S5        | 10.000       | 10.054      | .054       | .545    | 11.413 | .032    | 1        |

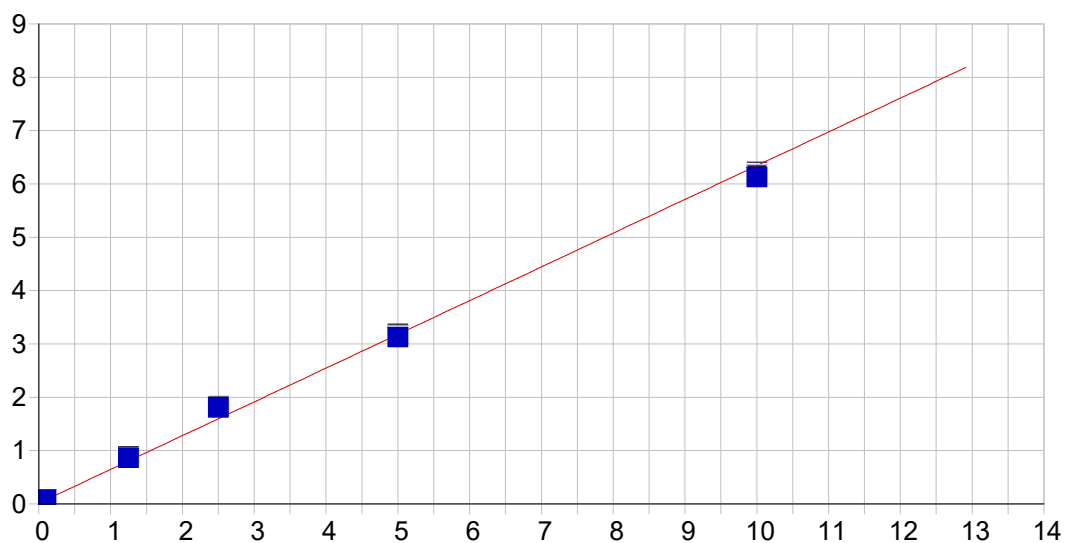


**S 182.034 {485}**

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000370 Re-Slope: 1.000000  
 A1 (Gain): 0.041632 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.944276 Status: OK.  
 Std Error of Est: 0.000773  
 Predicted MDL: 0.003577  
 Predicted MQL: 0.011923

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00006     | -.000      | .000    | .00037 | .000    | 1        |
| S1        | .10000       | .07732      | -.023      | -22.7   | .00359 | .000    | 1        |
| S2        | 1.2500       | 1.6816      | .432       | 34.5    | .07049 | .000    | 1        |
| S3        | 2.5000       | 4.5793      | 2.08       | 83.2    | .19123 | .001    | 1        |
| S4        | 5.0000       | 4.0631      | -.937      | -18.7   | .16997 | .001    | 1        |
| S5        | 10.000       | 8.4487      | -1.55      | -15.5   | .35298 | .002    | 1        |

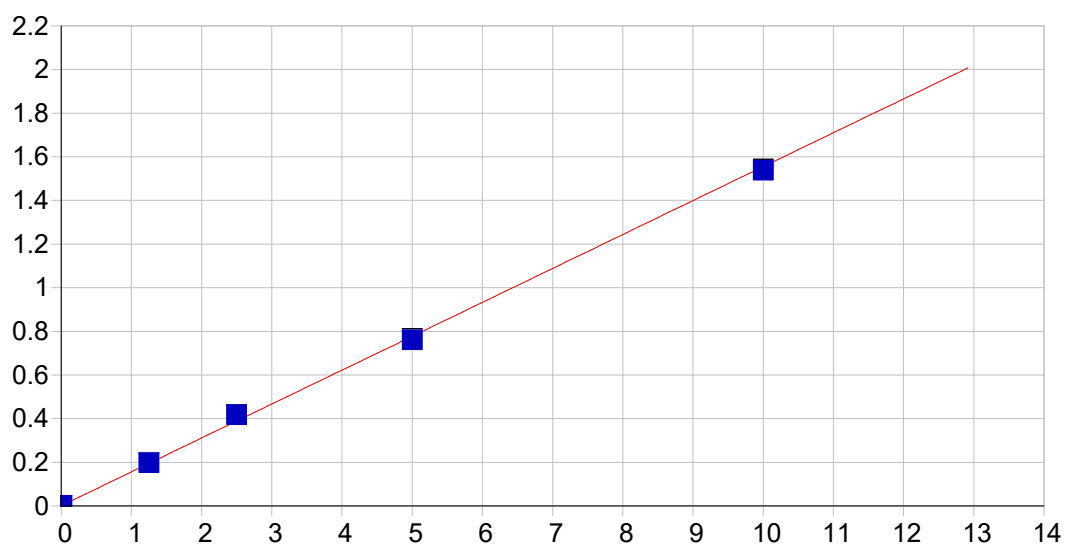


Si 251.611 {134}

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.014654 Re-Slope: 1.000000  
 A1 (Gain): 0.632729 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998339 Status: OK.  
 Std Error of Est: 0.001958  
 Predicted MDL: 0.001339  
 Predicted MQL: 0.004462

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .01464 | .001    | 1        |
| S1        | .10000       | .10321      | .003       | 3.21    | .08019 | .001    | 1        |
| S2        | 1.2500       | 1.3456      | .096       | 7.65    | .87308 | .013    | 1        |
| S3        | 2.5000       | 2.8288      | .329       | 13.2    | 1.8185 | .014    | 1        |
| S4        | 5.0000       | 4.9158      | -.084      | -1.68   | 3.1530 | .034    | 1        |
| S5        | 10.000       | 9.6565      | -.344      | -3.44   | 6.1806 | .043    | 1        |

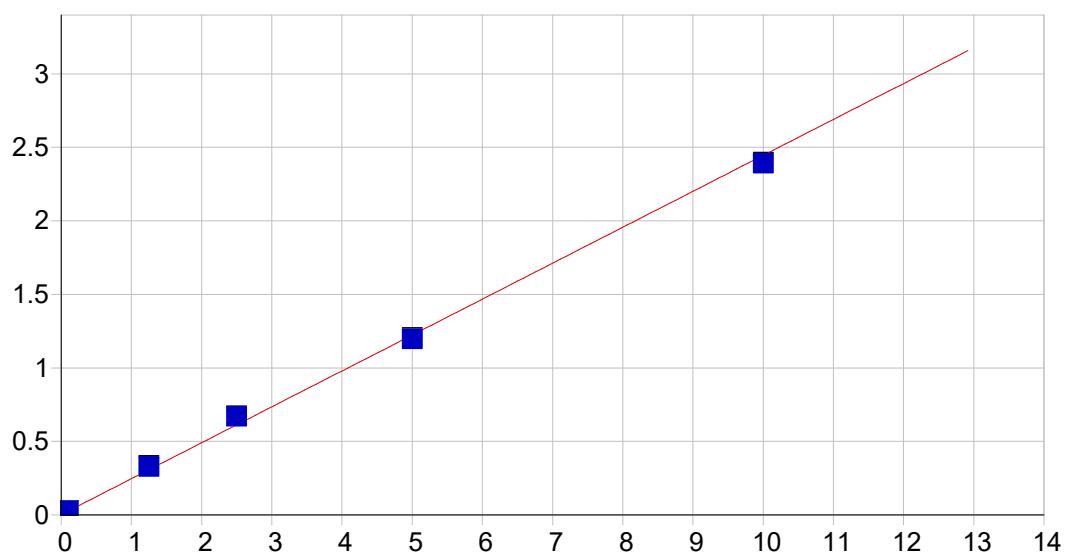


**Sn 189.989 {478}**

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000498 Re-Slope: 1.000000  
 A1 (Gain): 0.155412 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999536 Status: OK.  
 Std Error of Est: 0.000066  
 Predicted MDL: 0.000969  
 Predicted MQL: 0.003228

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00050 | .000    | 1        |
| S1        | .00700       | .00540      | -.002      | -22.9   | .00130 | .000    | 1        |
| S2        | 1.2500       | 1.2739      | .024       | 1.91    | .19808 | .001    | 1        |
| S3        | 2.5000       | 2.6827      | .183       | 7.31    | .41661 | .001    | 1        |
| S4        | 5.0000       | 4.8969      | -.103      | -2.06   | .75992 | .005    | 1        |
| S5        | 10.000       | 9.8981      | -.102      | -1.02   | 1.5356 | .006    | 1        |

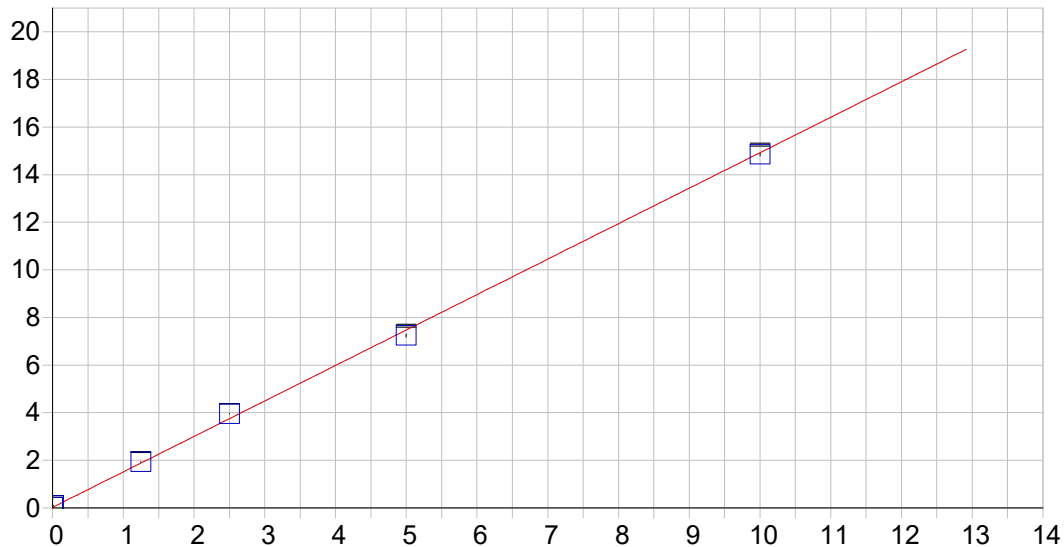


**Ti 336.121 {100}**

Date of Fit: 02/06/2019 11:29:56      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.001814 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.244359 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999025 | Status:   | OK.      |
| Std Error of Est: | 0.000574 |           |          |
| Predicted MDL:    | 0.002952 |           |          |
| Predicted MQL:    | 0.009839 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00181 | .000    | 1        |
| S1        | .10000       | .10804      | .008       | 8.04    | .02821 | .000    | 1        |
| S2        | 1.2500       | 1.3395      | .089       | 7.16    | .32902 | .007    | 1        |
| S3        | 2.5000       | 2.7362      | .236       | 9.45    | .67022 | .002    | 1        |
| S4        | 5.0000       | 4.8880      | -.112      | -2.24   | 1.1958 | .009    | 1        |
| S5        | 10.000       | 9.7783      | -.222      | -2.22   | 2.3904 | .008    | 1        |



Li 670.784 { 50}

Date of Fit: 02/06/2019 11:29:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.023942 Re-Slope: 1.000000  
 A1 (Gain): 1.489829 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.997463 Status: OK.  
 Std Error of Est: 0.002184  
 Predicted MDL: 0.002190  
 Predicted MQL: 0.007299

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00004     | -.000      | .000    | .02389 | .002    | 1        |
| S5        | 10.000       | 9.9523      | -.048      | -.477   | 14.851 | .064    | 1        |
| S4        | 5.0000       | 4.8446      | -.155      | -3.11   | 7.2415 | .057    | 1        |
| S3        | 2.5000       | 2.6391      | .139       | 5.56    | 3.9557 | .008    | 1        |
| S2        | 1.2500       | 1.2790      | .029       | 2.32    | 1.9294 | .025    | 1        |
| S1        | .01500       | .05008      | .035       | 234.    | .09855 | .002    | 1        |







Y 371.030 { 91}\*

| Date of Fit:      | <not fit> | Type of Fit: | Linear    | Weighting: | 1/Conc    |
|-------------------|-----------|--------------|-----------|------------|-----------|
| A0 (Offset):      | 0.000000  |              | Re-Slope: | 1.000000   |           |
| A1 (Gain):        | 0.000000  |              | Y-int:    | 0.000000   |           |
| A2 (Curvature):   | 0.000000  |              |           |            |           |
| n (Exponent):     | 1.000000  |              |           |            |           |
| Correlation:      | 0.000000  |              | Status:   | Warning    | Zero Gain |
| Std Error of Est: | 0.000000  |              |           |            |           |
| Predicted MDL:    | n/a       |              |           |            |           |
| Predicted MQL:    | n/a       |              |           |            |           |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



In 230.606 {446}\*

| Date of Fit: | <not fit> | Type of Fit: | Linear    | Weighting: | 1/Conc |
|--------------|-----------|--------------|-----------|------------|--------|
| A0 (Offset): | 0.000000  |              | Re-Slope: | 1.000000   |        |
| A1 (Gain):   | 0.000000  |              | Y-int:    | 0.000000   |        |

