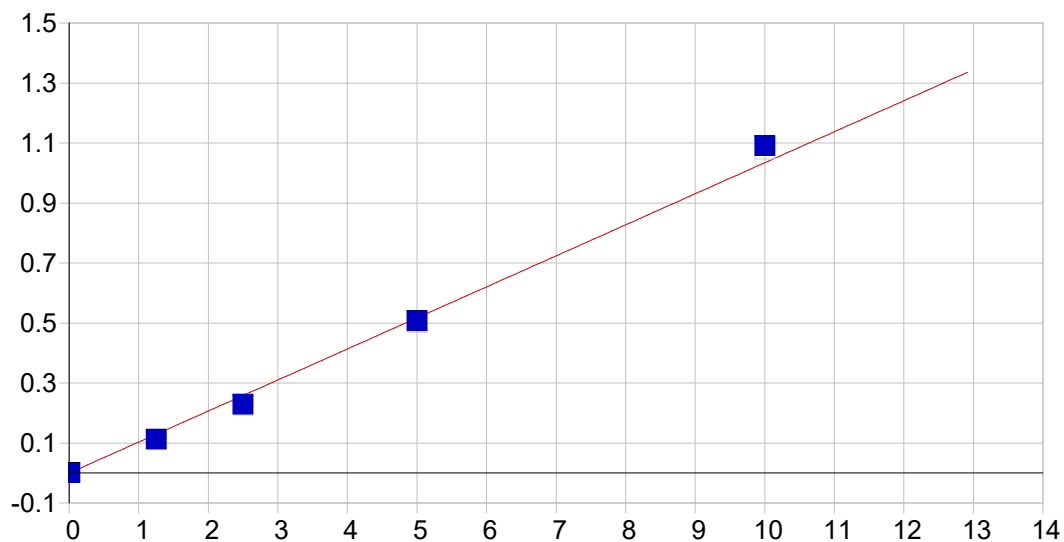


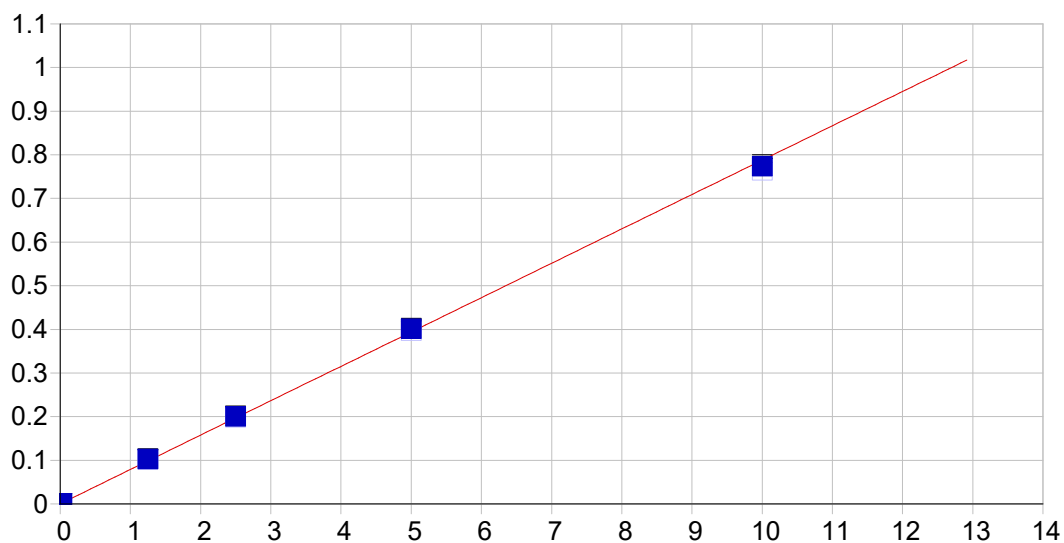


**As 189.042 {479}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000251 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.103434  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.997669  | Status:   | OK.      |
| Std Error of Est: | 0.000117  |           |          |
| Predicted MDL:    | 0.002006  |           |          |
| Predicted MQL:    | 0.006688  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00025 | .000    | 1        |
| S1        | .01000       | .00855      | -.001      | -14.5   | .00063  | .000    | 1        |
| S3        | 2.5000       | 2.2076      | -.292      | -11.7   | .22504  | .002    | 1        |
| S4        | 5.0000       | 4.9078      | -.092      | -1.84   | .50128  | .001    | 1        |
| S5        | 10.000       | 10.544      | .544       | 5.44    | 1.0782  | .001    | 1        |
| S2        | 1.2500       | 1.0920      | -.158      | -12.6   | .11117  | .000    | 1        |

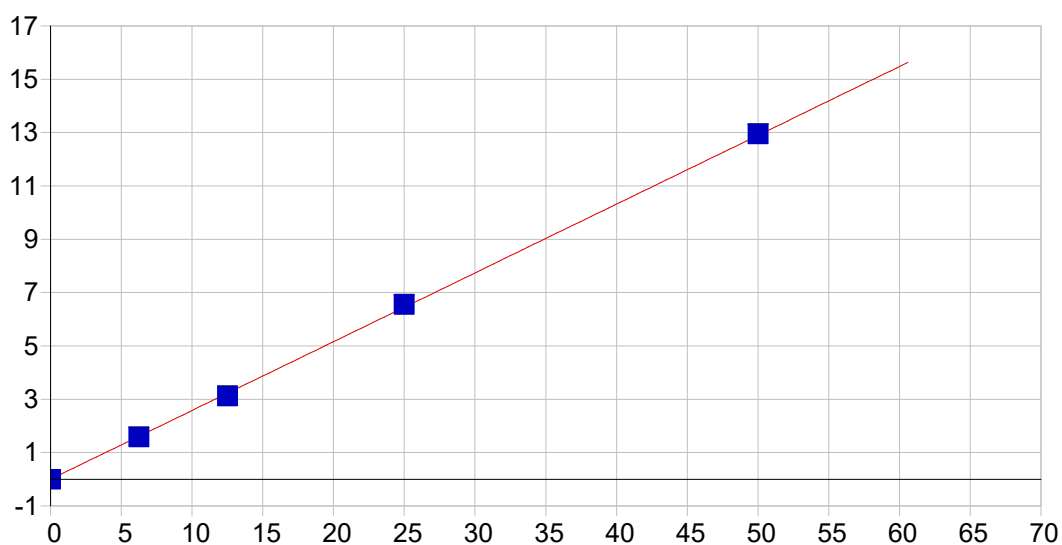


TI 190.856 {477}

Date of Fit: 12/16/2024 5:13:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000168 Re-Slope: 1.000000  
 A1 (Gain): 0.078755 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999789 Status: OK.  
 Std Error of Est: 0.000042  
 Predicted MDL: 0.001684  
 Predicted MQL: 0.005613

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00017 | .000    | 1        |
| S1        | .02500       | .02441      | -.001      | -2.37   | .00203 | .000    | 1        |
| S3        | 2.5000       | 2.5389      | .039       | 1.56    | .19779 | .001    | 1        |
| S4        | 5.0000       | 5.0928      | .093       | 1.86    | .39659 | .001    | 1        |
| S5        | 10.000       | 9.8181      | -.182      | -1.82   | .76408 | .004    | 1        |
| S2        | 1.2500       | 1.3009      | .051       | 4.07    | .10145 | .001    | 1        |

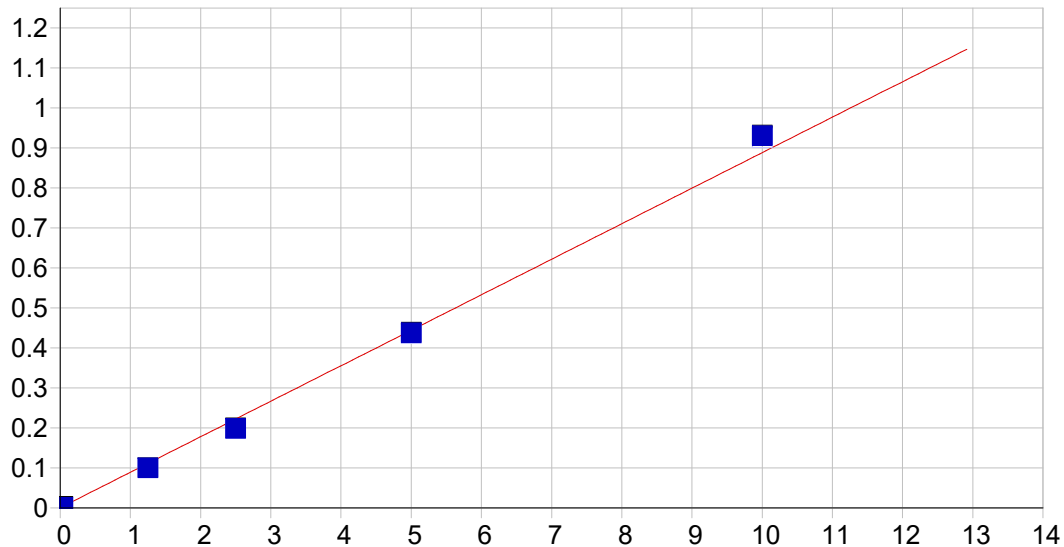


# **Pb 220.353 {453}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000215 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.257927  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999866  | Status:   | OK.      |
| Std Error of Est: | 0.000158  |           |          |
| Predicted MDL:    | 0.001230  |           |          |
| Predicted MQL:    | 0.004102  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00021 | .000    | 1        |
| S1        | .01000       | .00944      | -.001      | -5.58   | .00223  | .000    | 1        |
| S3        | 12.500       | 12.063      | -.437      | -3.50   | 3.1103  | .012    | 1        |
| S4        | 25.000       | 25.395      | .395       | 1.58    | 6.5480  | .011    | 1        |
| S5        | 50.000       | 50.179      | .179       | .359    | 12.939  | .019    | 1        |
| S2        | 6.2500       | 6.1131      | -.137      | -2.19   | 1.5761  | .002    | 1        |

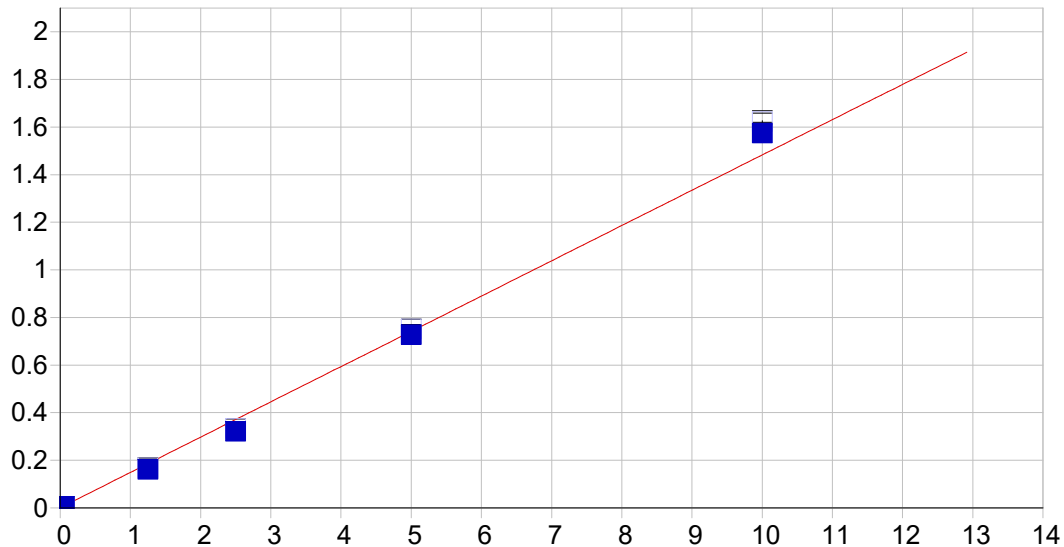


**Se 196.090 {472}**

Date of Fit: 12/16/2024 5:13:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000344 Re-Slope: 1.000000  
 A1 (Gain): 0.088792 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998171 Status: OK.  
 Std Error of Est: 0.000168  
 Predicted MDL: 0.003018  
 Predicted MQL: 0.010060

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00035 | .000    | 1        |
| S1        | .03500       | .02635      | -.009      | -24.7   | .00268 | .000    | 1        |
| S3        | 2.5000       | 2.2343      | -.266      | -10.6   | .19729 | .001    | 1        |
| S4        | 5.0000       | 4.9288      | -.071      | -1.42   | .43511 | .001    | 1        |
| S5        | 10.000       | 10.477      | .477       | 4.77    | .92489 | .002    | 1        |
| S2        | 1.2500       | 1.1185      | -.132      | -10.5   | .09894 | .000    | 1        |

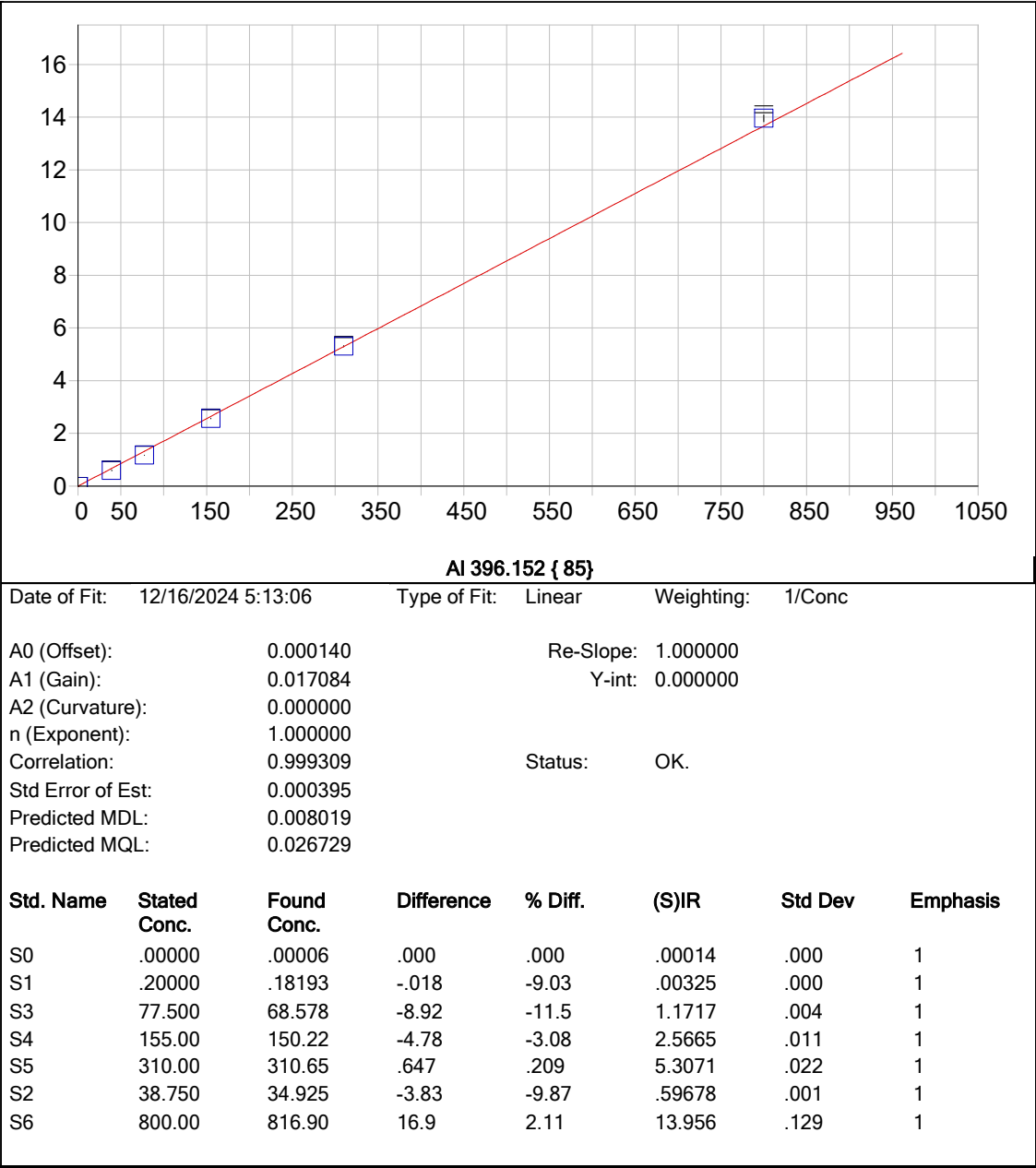


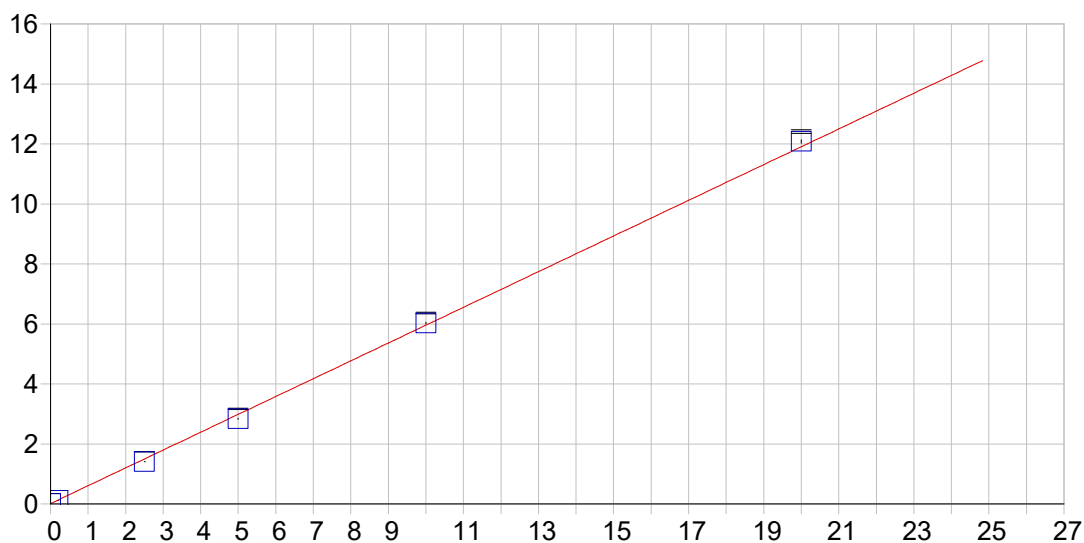
**Sb 206.833 {463}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000841 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.148194 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.997280 | Status:   | OK.      |
| Std Error of Est: | 0.000465 |           |          |
| Predicted MDL:    | 0.002773 |           |          |
| Predicted MQL:    | 0.009244 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | .00084 | .000    | 1        |
| S1        | .06000       | .05014      | -.010      | -16.4   | .00826 | .000    | 1        |
| S3        | 2.5000       | 2.1595      | -.341      | -13.6   | .33291 | .001    | 1        |
| S4        | 5.0000       | 4.9002      | -.100      | -2.00   | .75112 | .001    | 1        |
| S5        | 10.000       | 10.615      | .615       | 6.15    | 1.6221 | .005    | 1        |
| S2        | 1.2500       | 1.0852      | -.165      | -13.2   | .16768 | .000    | 1        |



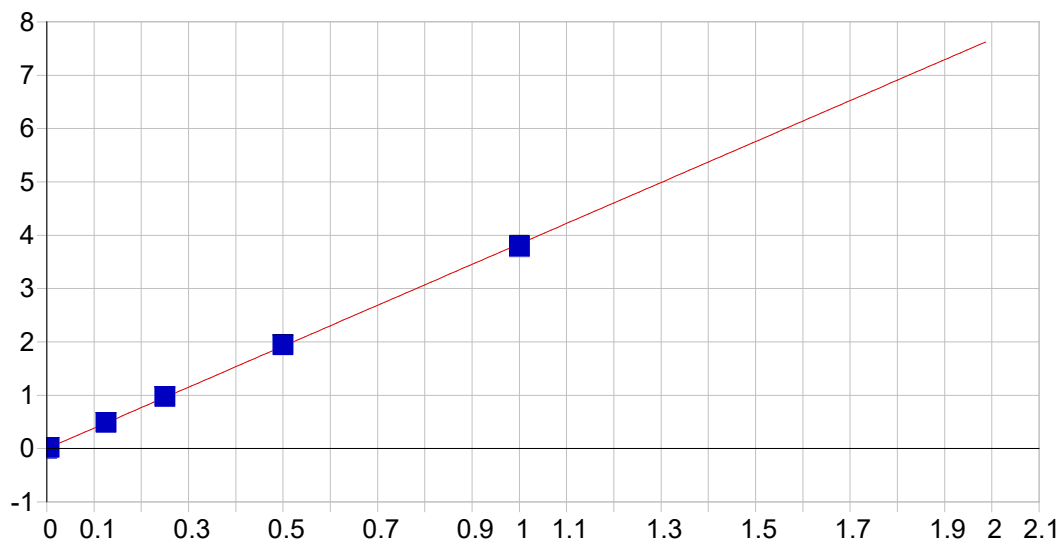


**Ba 493.409 { 68}**

Date of Fit: 12/16/2024 5:13:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.011716 Re-Slope: 1.000000  
 A1 (Gain): 0.594623 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999588 Status: OK.  
 Std Error of Est: 0.001814  
 Predicted MDL: 0.000753  
 Predicted MQL: 0.002509

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00004      | .000       | .000    | .01174 | .000    | 1        |
| S1        | .20000       | .17192      | -.028      | -14.0   | .11394 | .000    | 1        |
| S3        | 5.0000       | 4.7527      | -.247      | -4.95   | 2.8378 | .021    | 1        |
| S4        | 10.000       | 10.123      | .123       | 1.23    | 6.0311 | .028    | 1        |
| S5        | 20.000       | 20.301      | .301       | 1.50    | 12.083 | .057    | 1        |
| S2        | 2.5000       | 2.3515      | -.149      | -5.94   | 1.4100 | .002    | 1        |

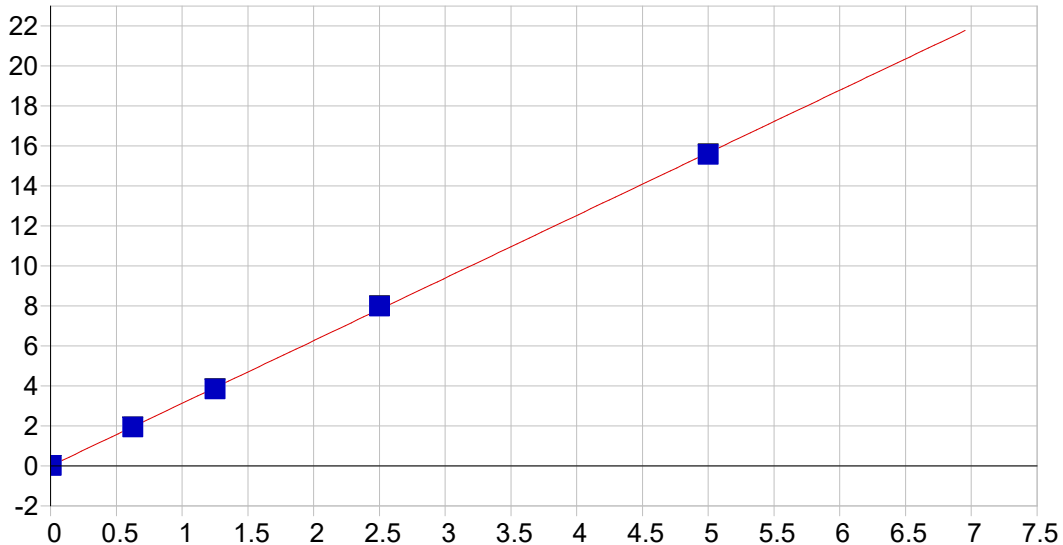


**Be 234.861 {144}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000051 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 3.838196  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999909  | Status:   | OK.      |
| Std Error of Est: | 0.000193  |           |          |
| Predicted MDL:    | 0.000071  |           |          |
| Predicted MQL:    | 0.000237  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00005 | .000    | 1        |
| S1        | .00500       | .00492      | -.000      | -1.54   | .01883  | .000    | 1        |
| S3        | .25000       | .25341      | .003       | 1.36    | .96726  | .004    | 1        |
| S4        | .50000       | .50684      | .007       | 1.37    | 1.9347  | .006    | 1        |
| S5        | 1.0000       | .98756      | -.012      | -1.24   | 3.7692  | .020    | 1        |
| S2        | .12500       | .12727      | .002       | 1.81    | .48578  | .001    | 1        |

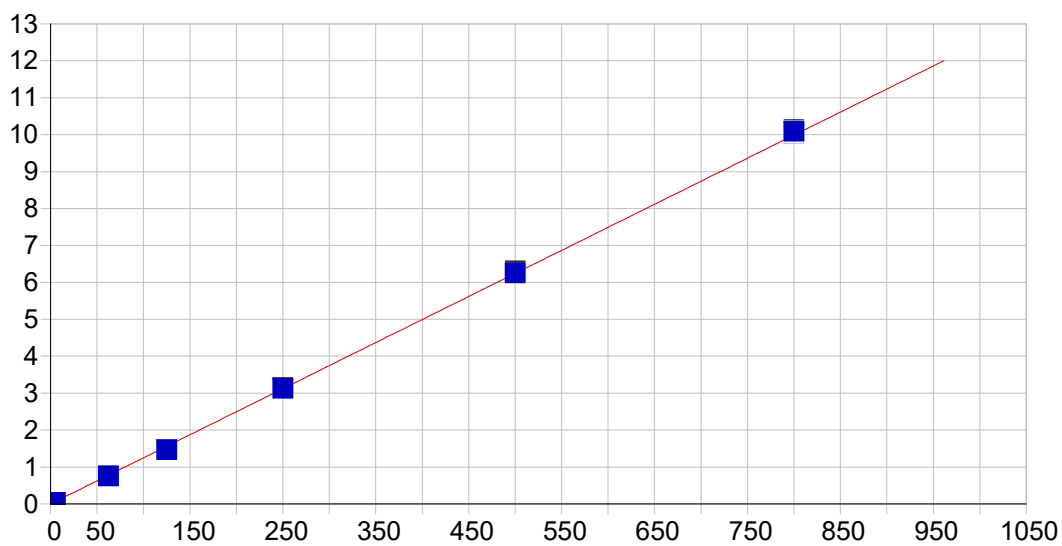


**Cd 214.438 {457}**

Date of Fit: 12/16/2024 5:13:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000128 Re-Slope: 1.000000  
A1 (Gain): 3.131979 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.999915 Status: OK.  
Std Error of Est: 0.000343  
Predicted MDL: 0.000064  
Predicted MQL: 0.000212

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00013 | .000    | 1        |
| S1        | .00500       | .00460      | -.000      | -7.97   | .01434  | .000    | 1        |
| S3        | 1.2500       | 1.2287      | -.021      | -1.70   | 3.8495  | .011    | 1        |
| S4        | 2.5000       | 2.5513      | .051       | 2.05    | 7.9930  | .011    | 1        |
| S5        | 5.0000       | 4.9744      | -.026      | -.512   | 15.585  | .019    | 1        |
| S2        | .62500       | .62101      | -.004      | -.638   | 1.9455  | .003    | 1        |

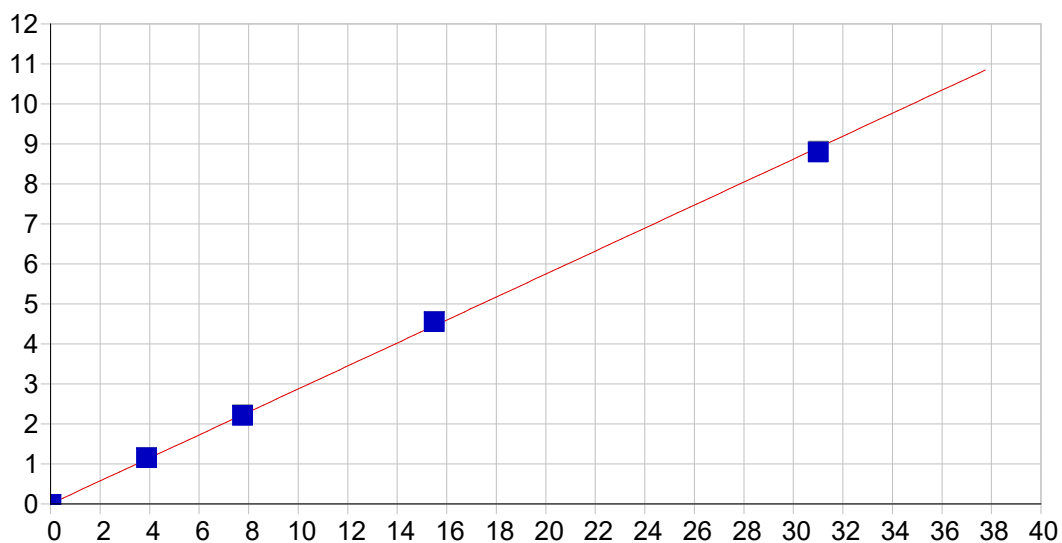


Ca 373.690 { 90}

Date of Fit: 12/16/2024 5:13:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000153 Re-Slope: 1.000000  
A1 (Gain): 0.012484 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.999799 Status: OK.  
Std Error of Est: 0.000868  
Predicted MDL: 0.009137  
Predicted MQL: 0.030456

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00095      | .001       | .000    | .00017 | .000    | 1        |
| S2        | 62.500       | 60.041      | -2.46      | -3.93   | .74616 | .001    | 1        |
| S3        | 125.00       | 117.57      | -7.43      | -5.94   | 1.4608 | .007    | 1        |
| S4        | 250.00       | 250.87      | .866       | .346    | 3.1178 | .013    | 1        |
| S5        | 500.00       | 501.22      | 1.22       | .243    | 6.2290 | .054    | 1        |
| S1        | 5.0000       | 4.4592      | -.541      | -10.8   | .05581 | .000    | 1        |
| S6        | 800.00       | 808.38      | 8.38       | 1.05    | 10.016 | .038    | 1        |

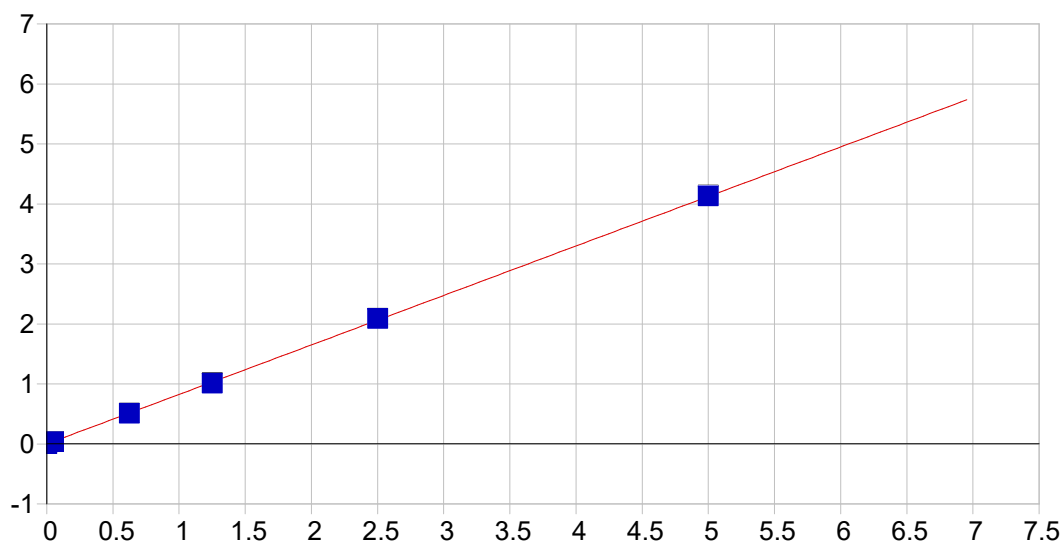


Cr 267.716 {126}

Date of Fit: 12/16/2024 5:13:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000144 Re-Slope: 1.000000  
 A1 (Gain): 0.287280 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999853 Status: OK.  
 Std Error of Est: 0.000146  
 Predicted MDL: 0.000325  
 Predicted MQL: 0.001083

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00014 | .000    | 1        |
| S1        | .01000       | .00964      | -.000      | -3.57   | .00293 | .000    | 1        |
| S3        | 7.7500       | 7.6968      | -.053      | -.687   | 2.2141 | .001    | 1        |
| S4        | 15.500       | 15.835      | .335       | 2.16    | 4.5550 | .008    | 1        |
| S5        | 31.000       | 30.591      | -.409      | -1.32   | 8.7997 | .018    | 1        |
| S2        | 3.8750       | 4.0021      | .127       | 3.28    | 1.1513 | .001    | 1        |

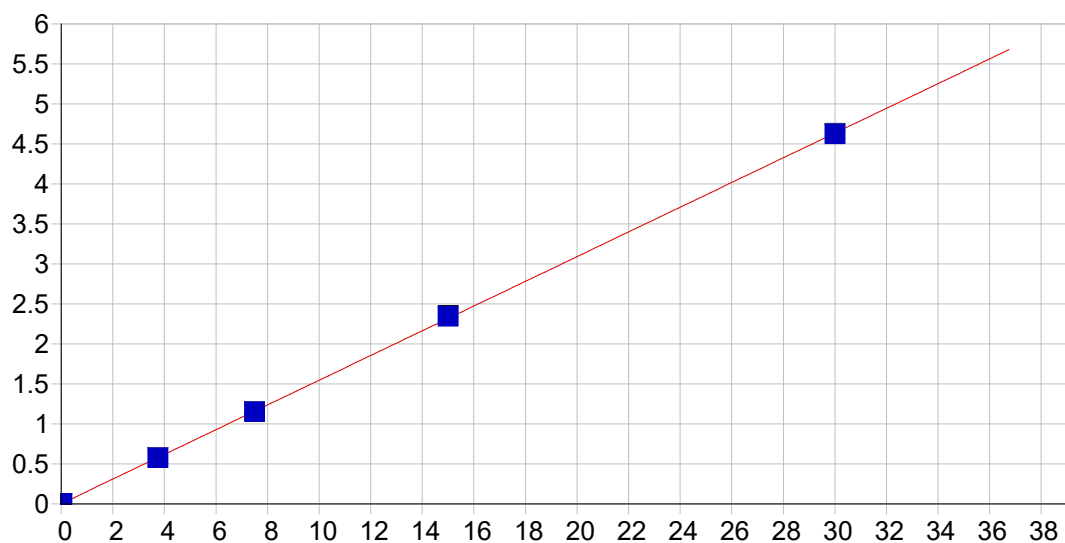


**Co 228.616 {448}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000001 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.824818 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999921 | Status:   | OK.      |
| Std Error of Est: | 0.000276 |           |          |
| Predicted MDL:    | 0.000248 |           |          |
| Predicted MQL:    | 0.000827 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00001 | .000    | 1        |
| S1        | .05000       | .04489      | -.005      | -10.2   | .03718 | .000    | 1        |
| S3        | 1.2500       | 1.2244      | -.026      | -2.05   | 1.0122 | .004    | 1        |
| S4        | 2.5000       | 2.5295      | .030       | 1.18    | 2.0909 | .004    | 1        |
| S5        | 5.0000       | 5.0085      | .009       | .170    | 4.1401 | .007    | 1        |
| S2        | .62500       | .61767      | -.007      | -1.17   | .51060 | .001    | 1        |

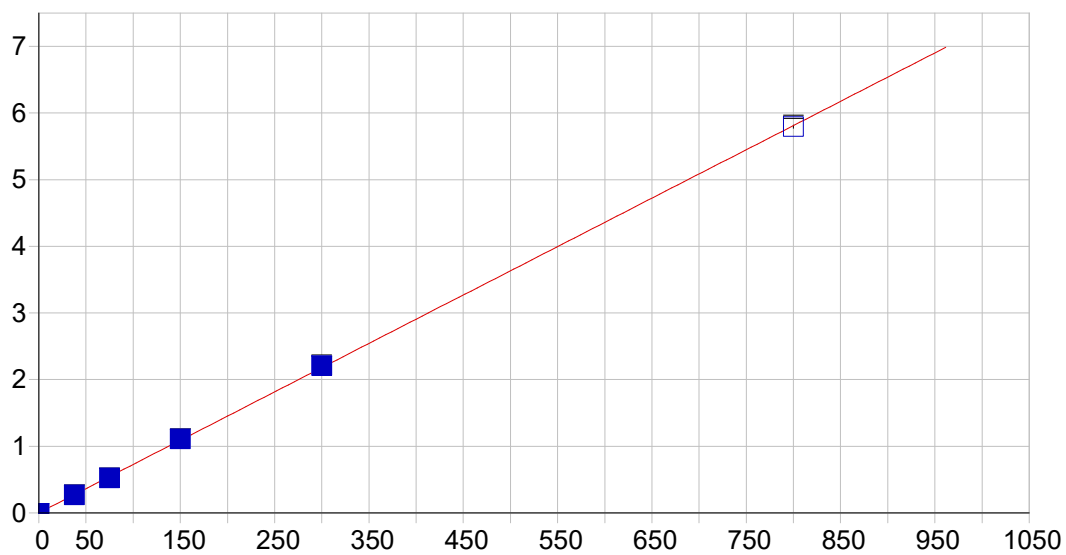


**Cu 324.754 {104}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.001421 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.154469 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999979 | Status:   | OK.      |
| Std Error of Est: | 0.000046 |           |          |
| Predicted MDL:    | 0.002358 |           |          |
| Predicted MQL:    | 0.007859 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00142 | .000    | 1        |
| S1        | .02500       | .02315      | -.002      | -7.38   | .00499 | .000    | 1        |
| S3        | 7.5000       | 7.4534      | -.047      | -.622   | 1.1526 | .004    | 1        |
| S4        | 15.000       | 15.154      | .154       | 1.03    | 2.3420 | .011    | 1        |
| S5        | 30.000       | 29.920      | -.080      | -.266   | 4.6226 | .007    | 1        |
| S2        | 3.7500       | 3.7240      | -.026      | -.694   | .57659 | .002    | 1        |

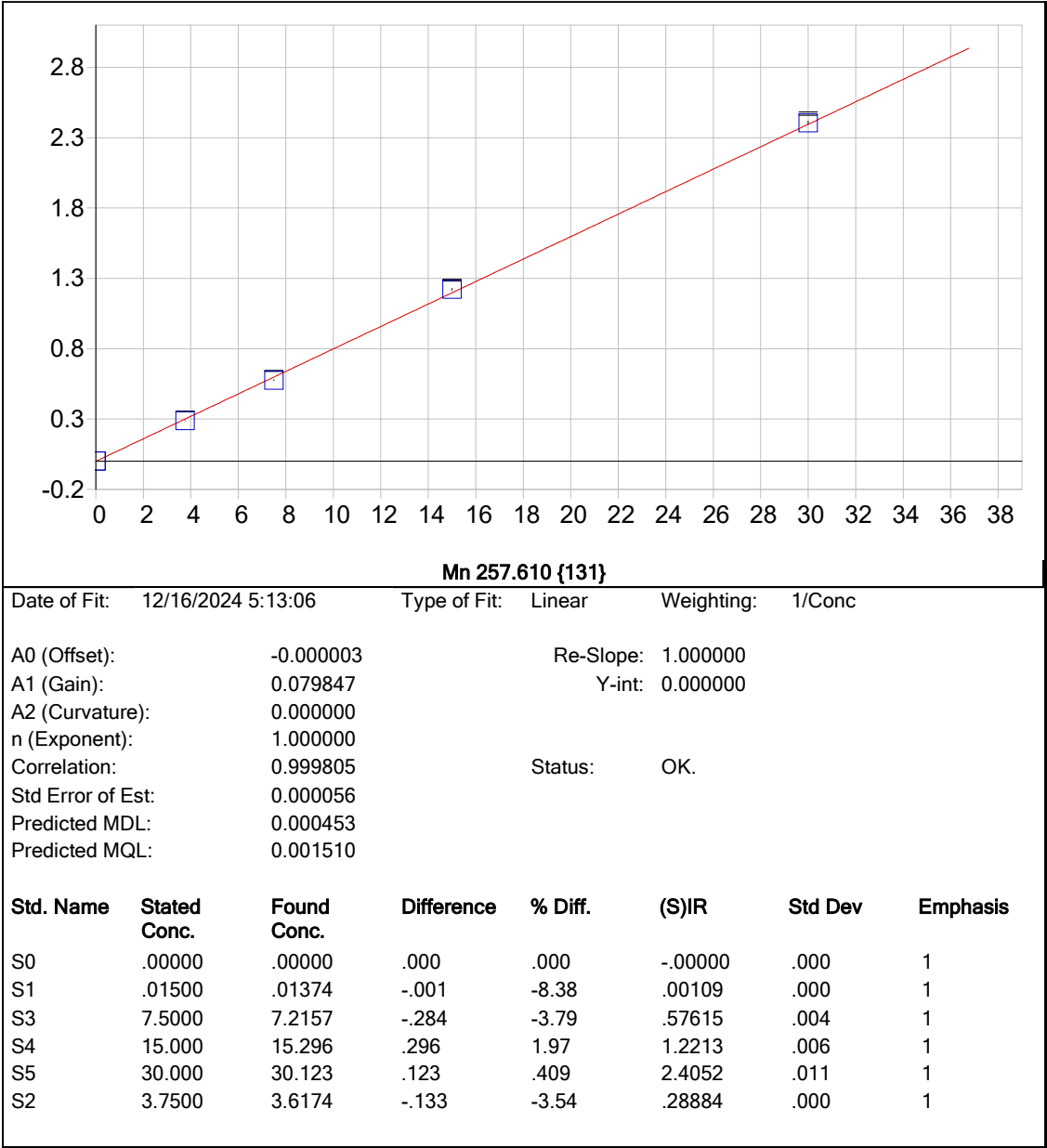


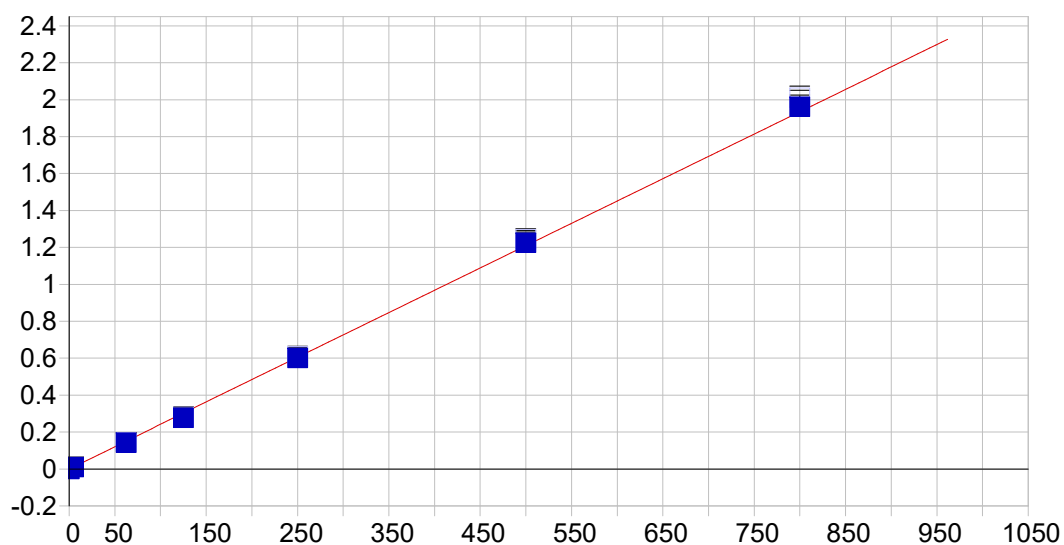
**Fe 259.837 {130}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000057 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.007266 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999913 | Status:   | OK.      |
| Std Error of Est: | 0.000042 |           |          |
| Predicted MDL:    | 0.005824 |           |          |
| Predicted MQL:    | 0.019413 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00006 | .000    | 1        |
| S1        | .10000       | .09490      | -.005      | -5.10   | .00075 | .000    | 1        |
| S3        | 75.000       | 71.730      | -3.27      | -4.36   | .52133 | .002    | 1        |
| S4        | 150.00       | 152.34      | 2.34       | 1.56    | 1.1071 | .005    | 1        |
| S5        | 300.00       | 303.78      | 3.78       | 1.26    | 2.2077 | .009    | 1        |
| S2        | 37.500       | 37.141      | -.359      | -.957   | .26997 | .001    | 1        |
| S6        | 800.00       | 797.52      | -2.48      | -.311   | 5.7944 | .023    | 1        |





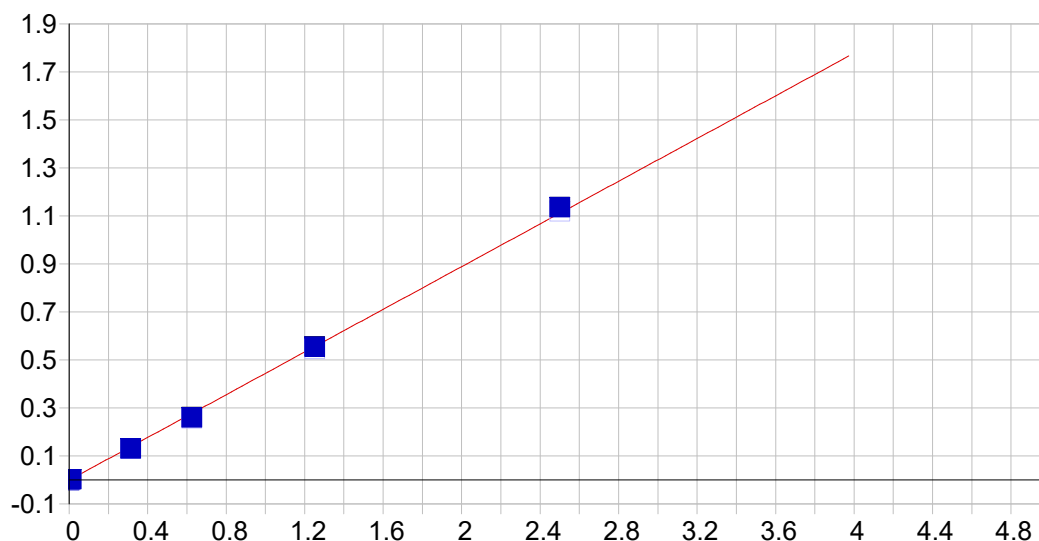
**Mg 279.079 {121}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000020 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.002419  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999602  | Status:   | OK.      |
| Std Error of Est: | 0.000243  |           |          |
| Predicted MDL:    | 0.020292  |           |          |
| Predicted MQL:    | 0.067640  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00127      | .001       | .000    | -.00002 | .000    | 1        |
| S2        | 62.500       | 58.402      | -4.10      | -6.56   | .14354  | .000    | 1        |
| S3        | 125.00       | 114.55      | -10.5      | -8.36   | .28164  | .001    | 1        |
| S4        | 250.00       | 248.40      | -1.60      | -.640   | .61000  | .001    | 1        |
| S5        | 500.00       | 506.25      | 6.25       | 1.25    | 1.2429  | .004    | 1        |
| S1        | 5.0000       | 4.3786      | -.621      | -12.4   | .01058  | .000    | 1        |
| S6        | 800.00       | 810.41      | 10.4       | 1.30    | 2.0090  | .011    | 1        |



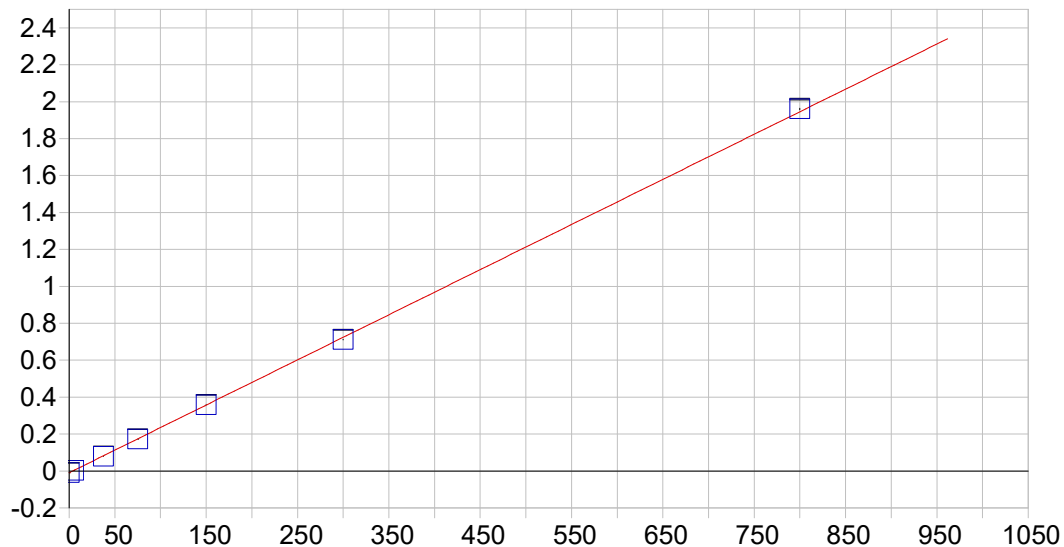


**Ag 328.068 {103}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000976 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.444787  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999539  | Status:   | OK.      |
| Std Error of Est: | 0.000112  |           |          |
| Predicted MDL:    | 0.000350  |           |          |
| Predicted MQL:    | 0.001166  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00098 | .000    | 1        |
| S1        | .01000       | .00921      | -.001      | -7.90   | .00308  | .000    | 1        |
| S3        | .62500       | .58819      | -.037      | -5.89   | .25647  | .001    | 1        |
| S4        | 1.2500       | 1.2479      | -.002      | -.164   | .54574  | .000    | 1        |
| S5        | 2.5000       | 2.5550      | .055       | 2.20    | 1.1188  | .001    | 1        |
| S2        | .31250       | .29711      | -.015      | -4.92   | .12909  | .000    | 1        |

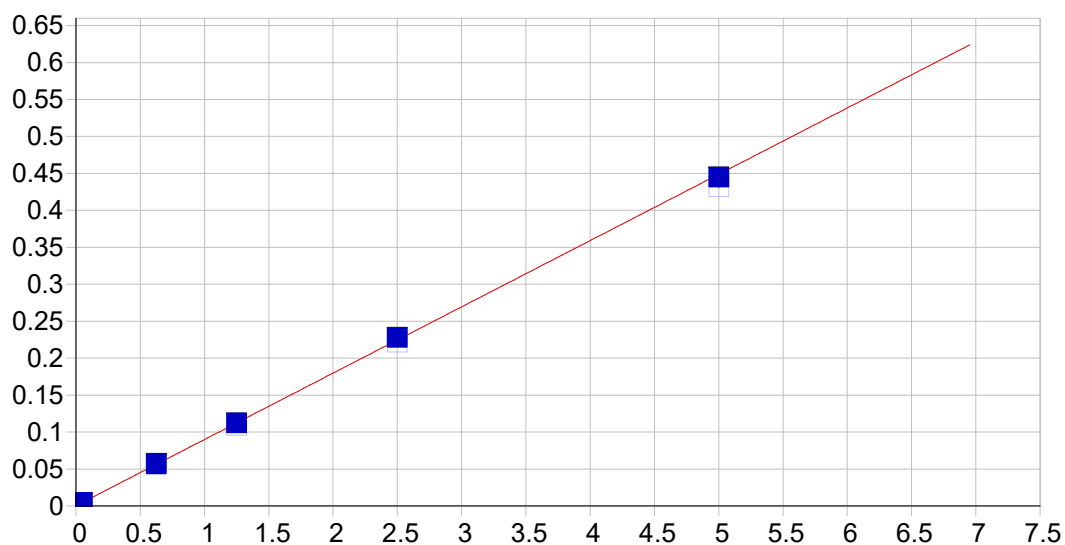


Na 818.326 { 41}

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.009213 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.002444  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999939  | Status:   | OK.      |
| Std Error of Est: | 0.000084  |           |          |
| Predicted MDL:    | 0.400671  |           |          |
| Predicted MQL:    | 1.335569  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00030      | .000       | .000    | -.00921 | .001    | 1        |
| S2        | 37.500       | 36.453      | -1.05      | -2.79   | .07986  | .001    | 1        |
| S3        | 75.000       | 74.302      | -.698      | -.931   | .17234  | .001    | 1        |
| S4        | 150.00       | 150.63      | .633       | .422    | .35886  | .001    | 1        |
| S5        | 300.00       | 295.08      | -4.92      | -1.64   | .71182  | .002    | 1        |
| S1        | 5.0000       | 4.9045      | -.095      | -1.91   | .00277  | .000    | 1        |
| S6        | 800.00       | 806.13      | 6.13       | .766    | 1.9606  | .004    | 1        |

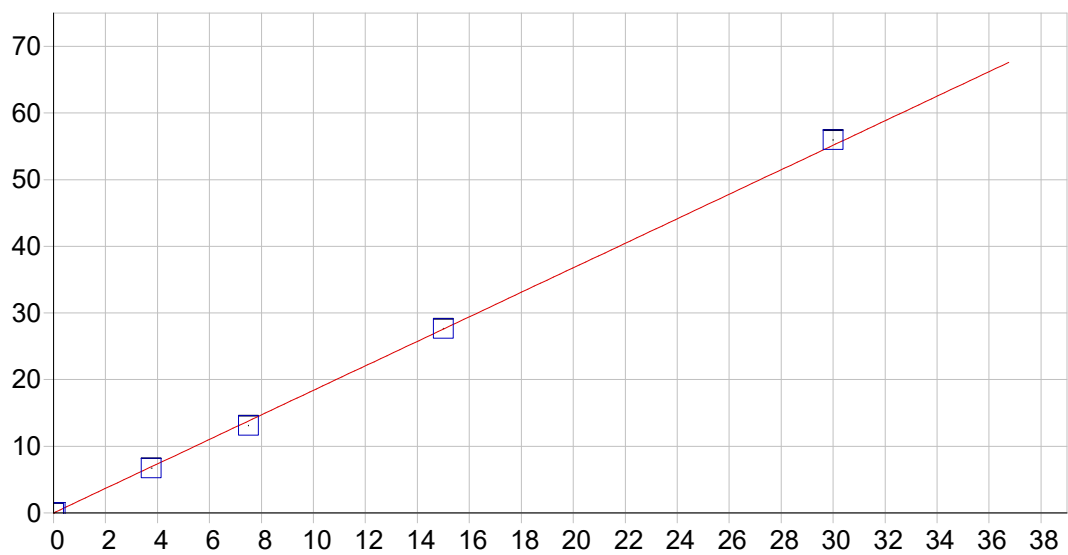


**V 292.402 {115}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000186 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.089731 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999927 | Status:   | OK.      |
| Std Error of Est: | 0.000028 |           |          |
| Predicted MDL:    | 0.002786 |           |          |
| Predicted MQL:    | 0.009286 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00019 | .000    | 1        |
| S1        | .05000       | .05264      | .003       | 5.28    | .00491 | .000    | 1        |
| S3        | 1.2500       | 1.2463      | -.004      | -.294   | .10878 | .000    | 1        |
| S4        | 2.5000       | 2.5362      | .036       | 1.45    | .22128 | .000    | 1        |
| S5        | 5.0000       | 4.9538      | -.046      | -.924   | .43173 | .001    | 1        |
| S2        | .62500       | .63592      | .011       | 1.75    | .05563 | .000    | 1        |

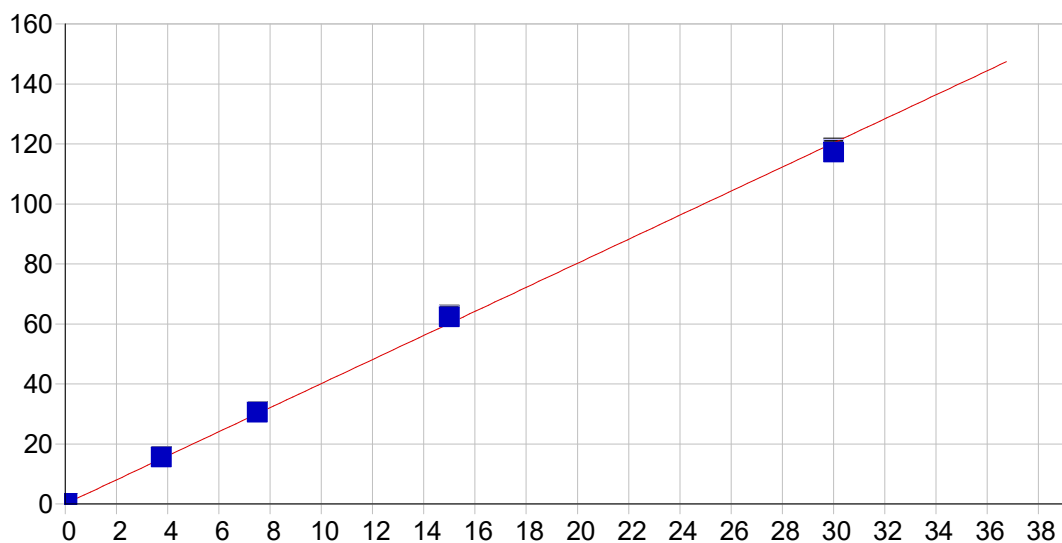


### Zn 206.200 {464}

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000504 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 1.838864 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999759 | Status:   | OK.      |
| Std Error of Est: | 0.002870 |           |          |
| Predicted MDL:    | 0.000157 |           |          |
| Predicted MQL:    | 0.000522 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00051 | .000    | 1        |
| S1        | .06000       | .06036      | .000       | .596    | .11149 | .000    | 1        |
| S3        | 7.5000       | 7.1322      | -.368      | -4.90   | 13.116 | .036    | 1        |
| S4        | 15.000       | 15.035      | .035       | .236    | 27.649 | .033    | 1        |
| S5        | 30.000       | 30.433      | .433       | 1.44    | 55.963 | .064    | 1        |
| S2        | 3.7500       | 3.6490      | -.101      | -2.69   | 6.7105 | .001    | 1        |

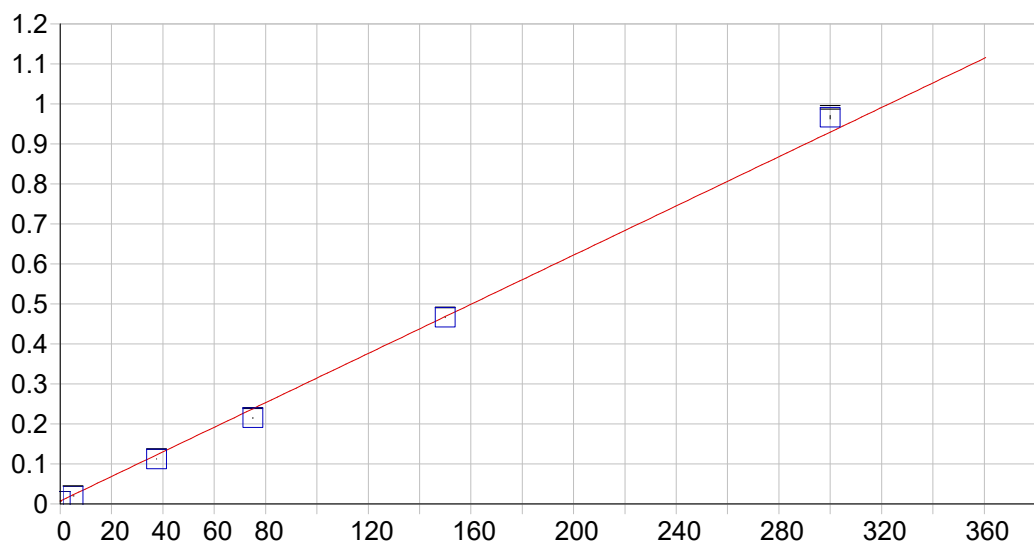


**Zn 213.856 {158}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.003061 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 4.010216 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999606 | Status:   | OK.      |
| Std Error of Est: | 0.008078 |           |          |
| Predicted MDL:    | 0.000242 |           |          |
| Predicted MQL:    | 0.000807 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00303 | .001    | 1        |
| S1        | .06000       | .06442      | .004       | 7.36    | .26280 | .002    | 1        |
| S3        | 7.5000       | 7.6064      | .106       | 1.42    | 30.745 | .051    | 1        |
| S4        | 15.000       | 15.530      | .530       | 3.53    | 62.760 | .196    | 1        |
| S5        | 30.000       | 29.227      | -.773      | -2.58   | 118.16 | .430    | 1        |
| S2        | 3.7500       | 3.8819      | .132       | 3.52    | 15.690 | .012    | 1        |

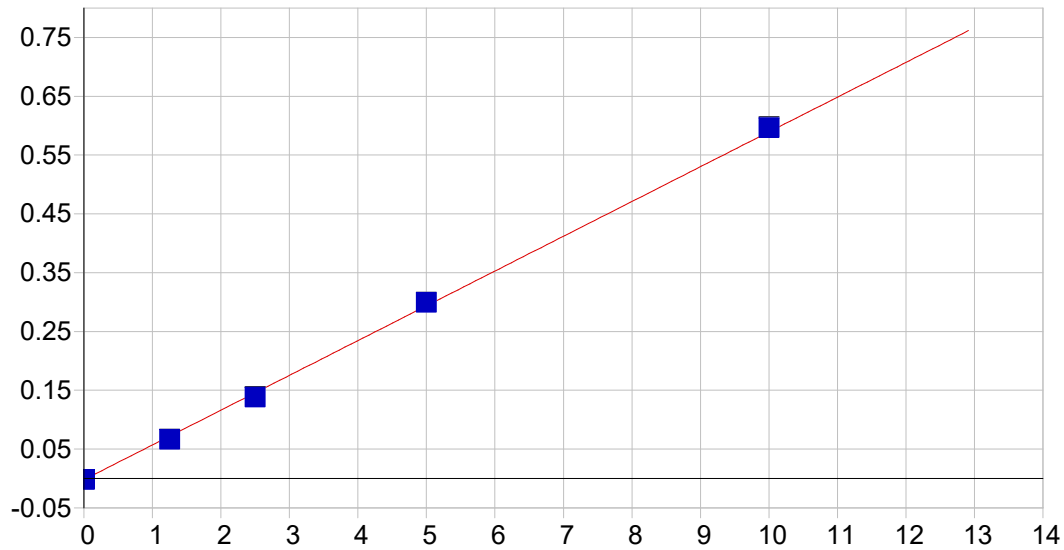


**K 769.896 { 44}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.007169 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.003074 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.998548 | Status:   | OK.      |
| Std Error of Est: | 0.000342 |           |          |
| Predicted MDL:    | 0.070639 |           |          |
| Predicted MQL:    | 0.235463 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00160      | .002       | .000    | .00717 | .000    | 1        |
| S2        | 37.500       | 34.201      | -3.30      | -8.80   | .11232 | .000    | 1        |
| S3        | 75.000       | 67.638      | -7.36      | -9.82   | .21512 | .001    | 1        |
| S4        | 150.00       | 149.38      | -.616      | -.411   | .46644 | .001    | 1        |
| S5        | 300.00       | 312.13      | 12.1       | 4.04    | .96679 | .005    | 1        |
| S1        | 5.0000       | 4.1481      | -.852      | -17.0   | .01992 | .000    | 1        |

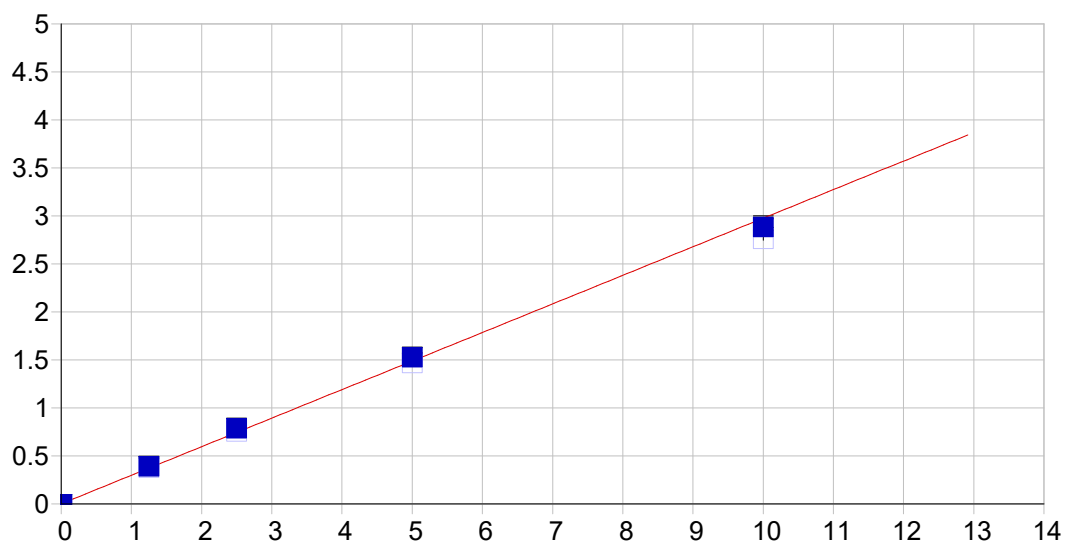


**P 177.495 {490}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.002050 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.059140  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999570  | Status:   | OK.      |
| Std Error of Est: | 0.000029  |           |          |
| Predicted MDL:    | 0.001802  |           |          |
| Predicted MQL:    | 0.006008  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00205 | .000    | 1        |
| S1        | .01000       | .00923      | -.001      | -7.71   | -.00150 | .000    | 1        |
| S3        | 2.5000       | 2.3724      | -.128      | -5.10   | .13851  | .001    | 1        |
| S4        | 5.0000       | 5.0946      | .095       | 1.89    | .29976  | .000    | 1        |
| S5        | 10.000       | 10.123      | .123       | 1.23    | .59764  | .001    | 1        |
| S2        | 1.2500       | 1.1610      | -.089      | -7.12   | .06674  | .000    | 1        |

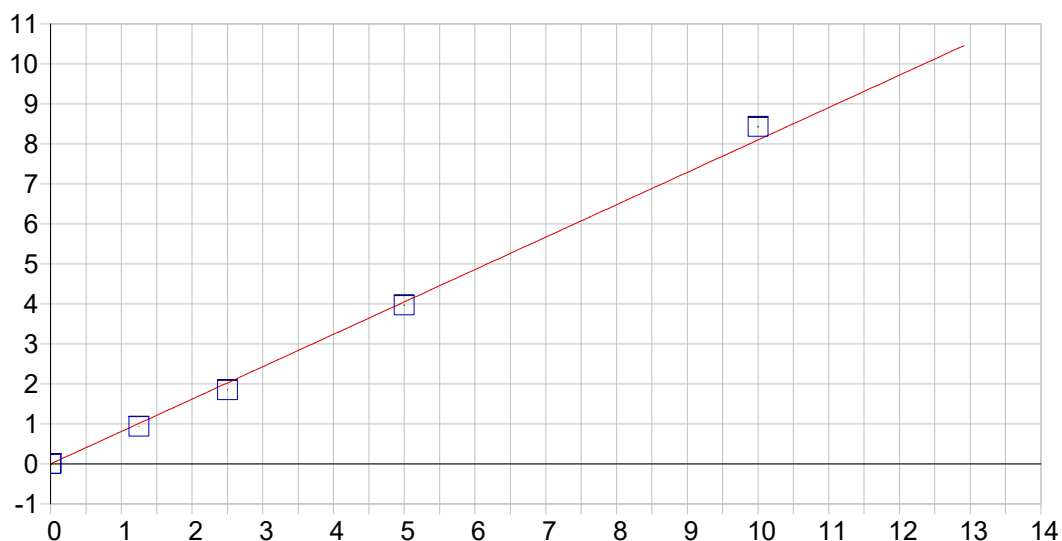


**B 249.678 {135}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000594 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.297536 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999027 | Status:   | OK.      |
| Std Error of Est: | 0.000211 |           |          |
| Predicted MDL:    | 0.001158 |           |          |
| Predicted MQL:    | 0.003859 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00060 | .000    | 1        |
| S1        | .01000       | .00003      | -.010      | -99.7   | .00061 | .000    | 1        |
| S3        | 2.5000       | 2.6367      | .137       | 5.47    | .75485 | .003    | 1        |
| S4        | 5.0000       | 5.1273      | .127       | 2.55    | 1.4656 | .003    | 1        |
| S5        | 10.000       | 9.6846      | -.315      | -3.15   | 2.7611 | .016    | 1        |
| S2        | 1.2500       | 1.3118      | .062       | 4.95    | .37579 | .001    | 1        |

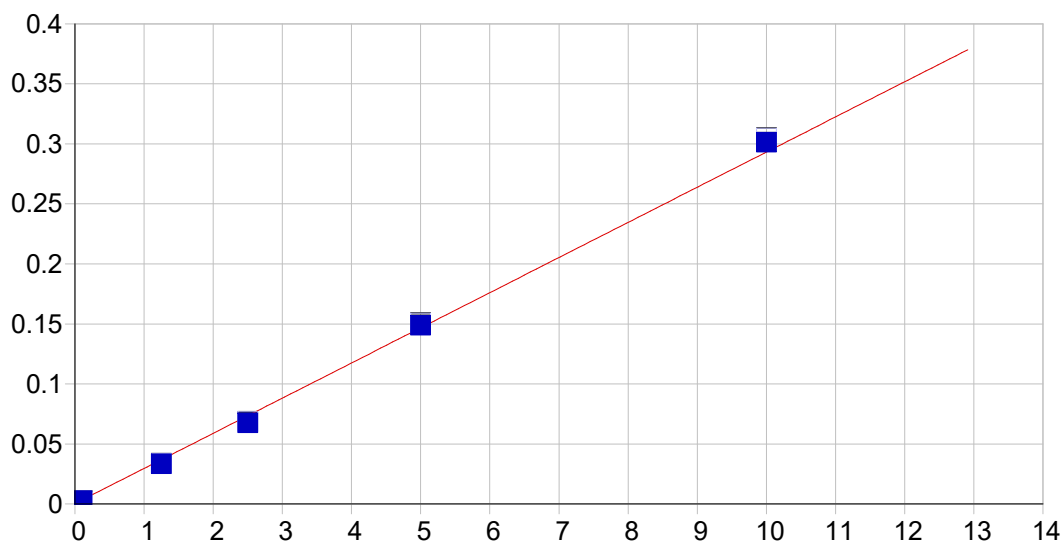


#### Mo 202.030 {467}

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000146 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.809865 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.998834 | Status:   | OK.      |
| Std Error of Est: | 0.000656 |           |          |
| Predicted MDL:    | 0.000306 |           |          |
| Predicted MQL:    | 0.001019 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00015 | .000    | 1        |
| S1        | .01000       | .00911      | -.001      | -8.90   | .00752 | .000    | 1        |
| S3        | 2.5000       | 2.2845      | -.215      | -8.62   | 1.8503 | .006    | 1        |
| S4        | 5.0000       | 4.8998      | -.100      | -2.00   | 3.9683 | .007    | 1        |
| S5        | 10.000       | 10.407      | .407       | 4.07    | 8.4286 | .009    | 1        |
| S2        | 1.2500       | 1.1594      | -.091      | -7.25   | .93908 | .001    | 1        |

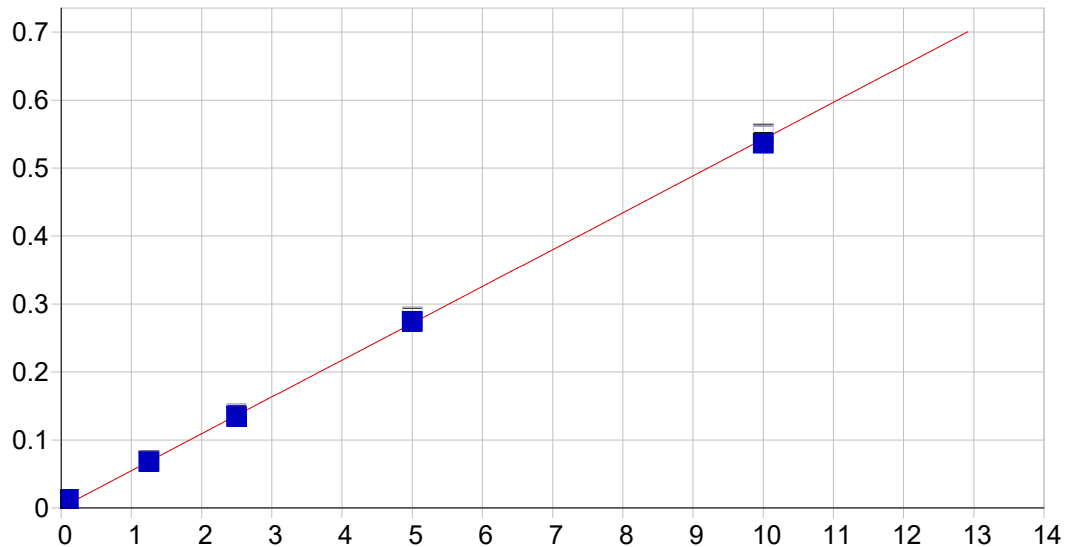


**S 182.034 {485}**

Date of Fit: 12/16/2024 5:13:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000267 Re-Slope: 1.000000  
 A1 (Gain): 0.029293 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998913 Status: OK.  
 Std Error of Est: 0.000074  
 Predicted MDL: 0.003219  
 Predicted MQL: 0.010730

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00004      | .000       | .000    | .00027 | .000    | 1        |
| S1        | .10000       | .07735      | -.023      | -22.6   | .00253 | .000    | 1        |
| S3        | 2.5000       | 2.2982      | -.202      | -8.07   | .06852 | .000    | 1        |
| S4        | 5.0000       | 5.0735      | .074       | 1.47    | .15074 | .000    | 1        |
| S5        | 10.000       | 10.273      | .273       | 2.73    | .30492 | .000    | 1        |
| S2        | 1.2500       | 1.1271      | -.123      | -9.83   | .03375 | .000    | 1        |

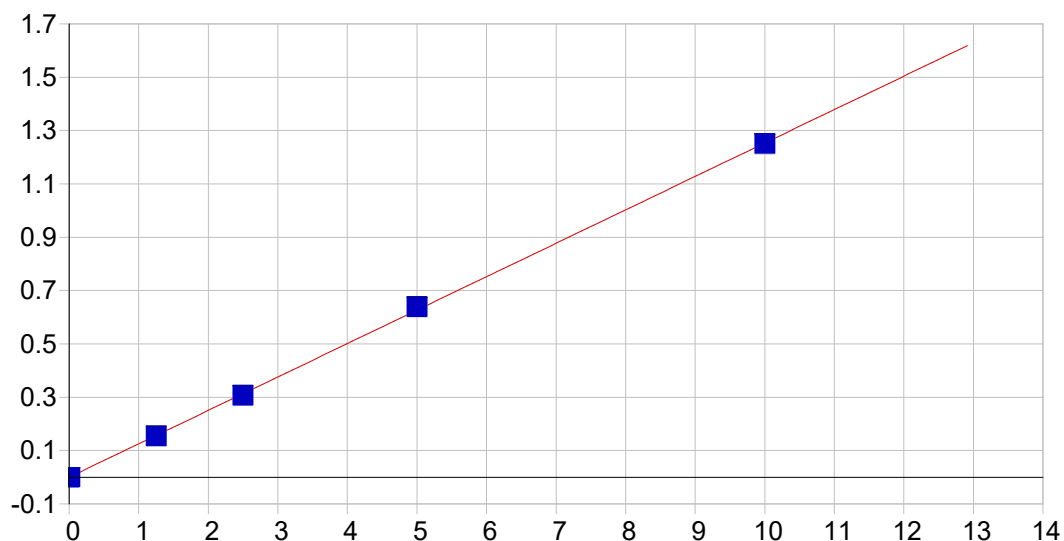


Si 251.611 {134}

Date of Fit: 12/16/2024 5:13:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000657 Re-Slope: 1.000000  
 A1 (Gain): 0.054189 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.996013 Status: OK.  
 Std Error of Est: 0.000264  
 Predicted MDL: 0.003220  
 Predicted MQL: 0.010733

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00012     | -.000      | .000    | .00065 | .000    | 1        |
| S1        | .10000       | .22477      | .125       | 125.    | .01291 | .000    | 1        |
| S3        | 2.5000       | 2.4643      | -.036      | -1.43   | .13727 | .001    | 1        |
| S4        | 5.0000       | 5.0408      | .041       | .816    | .27996 | .001    | 1        |
| S5        | 10.000       | 9.8864      | -.114      | -1.14   | .54870 | .001    | 1        |
| S2        | 1.2500       | 1.2347      | -.015      | -1.22   | .06910 | .001    | 1        |

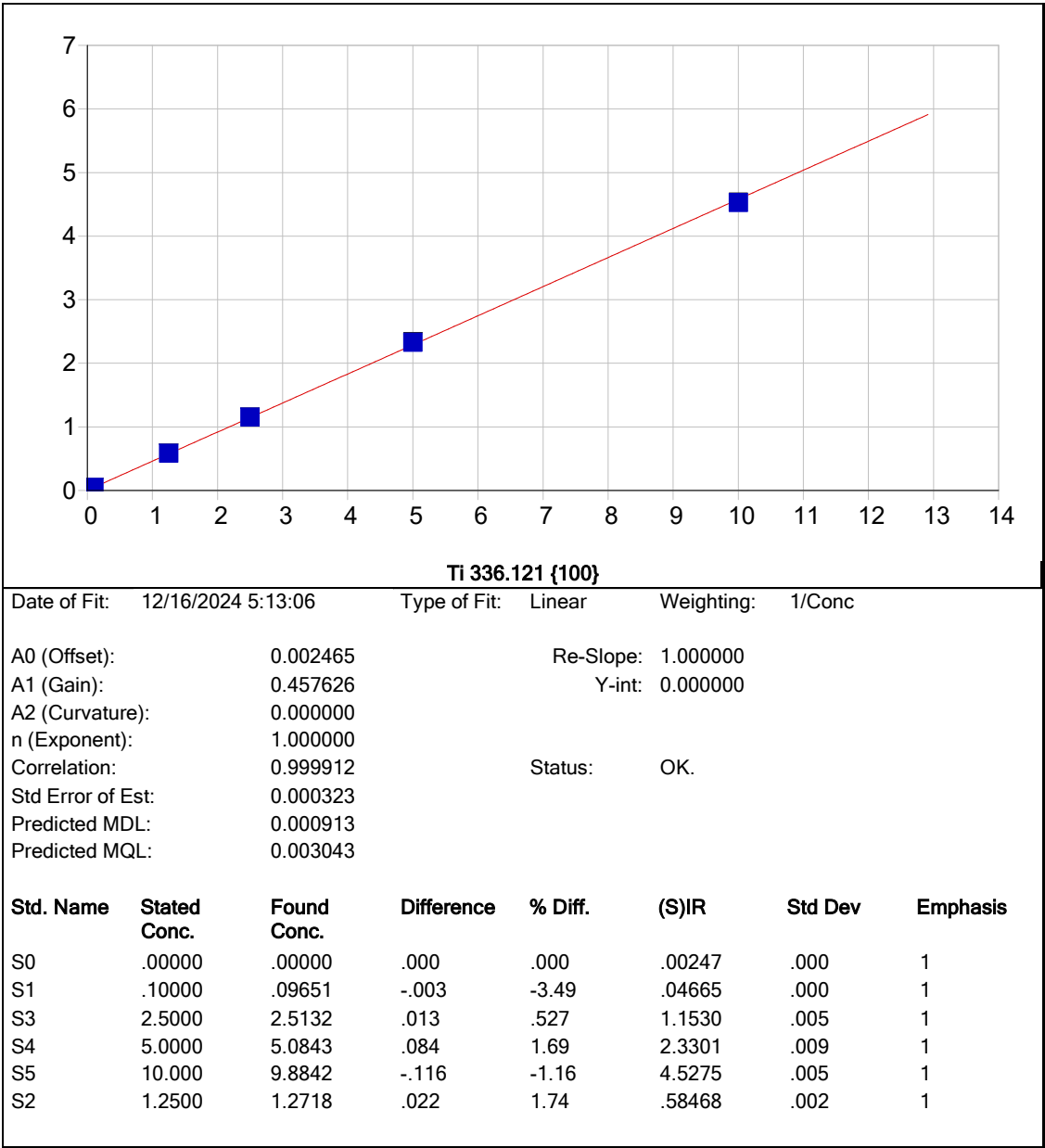


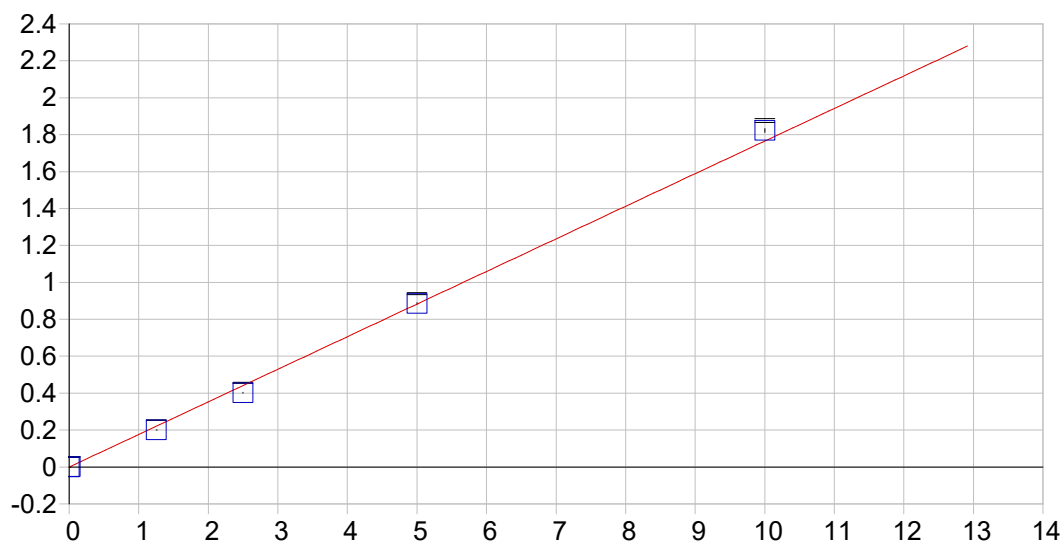
**Sn 189.989 {478}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000039 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.125327 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999905 | Status:   | OK.      |
| Std Error of Est: | 0.000024 |           |          |
| Predicted MDL:    | 0.000807 |           |          |
| Predicted MQL:    | 0.002688 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00004 | .000    | 1        |
| S1        | .00700       | .00698      | -.000      | -.346   | .00088 | .000    | 1        |
| S3        | 2.5000       | 2.4448      | -.055      | -2.21   | .30559 | .001    | 1        |
| S4        | 5.0000       | 5.0981      | .098       | 1.96    | .63728 | .000    | 1        |
| S5        | 10.000       | 9.9788      | -.021      | -.212   | 1.2473 | .001    | 1        |
| S2        | 1.2500       | 1.2284      | -.022      | -1.73   | .15357 | .000    | 1        |



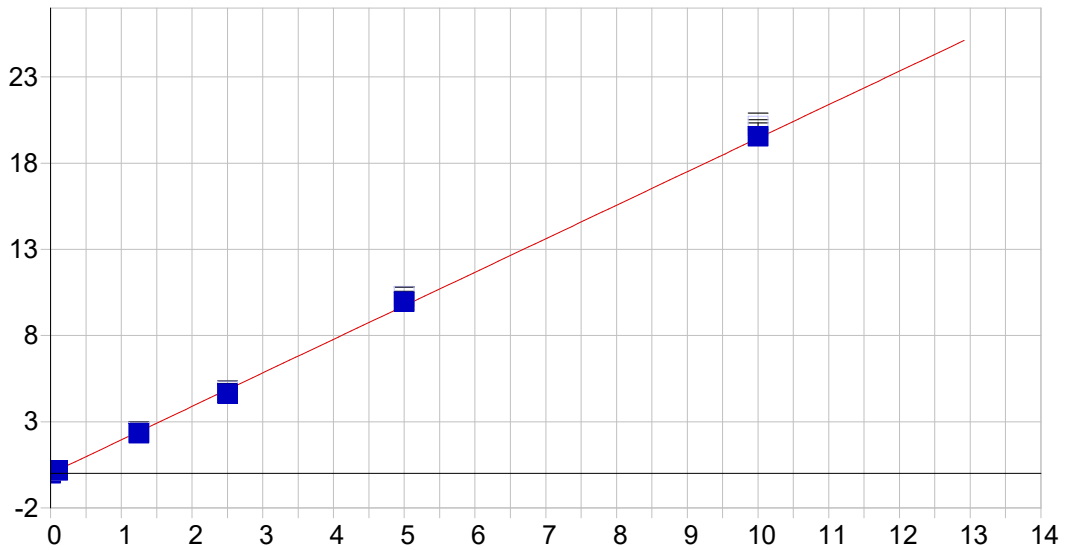


Li 670.784 { 50}

Date of Fit: 12/16/2024 5:13:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000317 Re-Slope: 1.000000  
 A1 (Gain): 0.176563 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998900 Status: OK.  
 Std Error of Est: 0.000170  
 Predicted MDL: 0.001416  
 Predicted MQL: 0.004721

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00032 | .000    | 1        |
| S5        | 10.000       | 10.327      | .327       | 3.27    | 1.8231  | .011    | 1        |
| S4        | 5.0000       | 5.0110      | .011       | .220    | .88444  | .005    | 1        |
| S3        | 2.5000       | 2.2804      | -.220      | -8.79   | .40231  | .003    | 1        |
| S1        | .01500       | .01201      | -.003      | -19.9   | .00180  | .000    | 1        |
| S2        | 1.2500       | 1.1343      | -.116      | -9.26   | .19996  | .000    | 1        |



**Sr 407.771 { 83}**

Date of Fit: 12/16/2024 5:13:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000014 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 1.945076  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999710  | Status:   | OK.      |
| Std Error of Est: | 0.002563  |           |          |
| Predicted MDL:    | 0.000085  |           |          |
| Predicted MQL:    | 0.000283  |           |          |

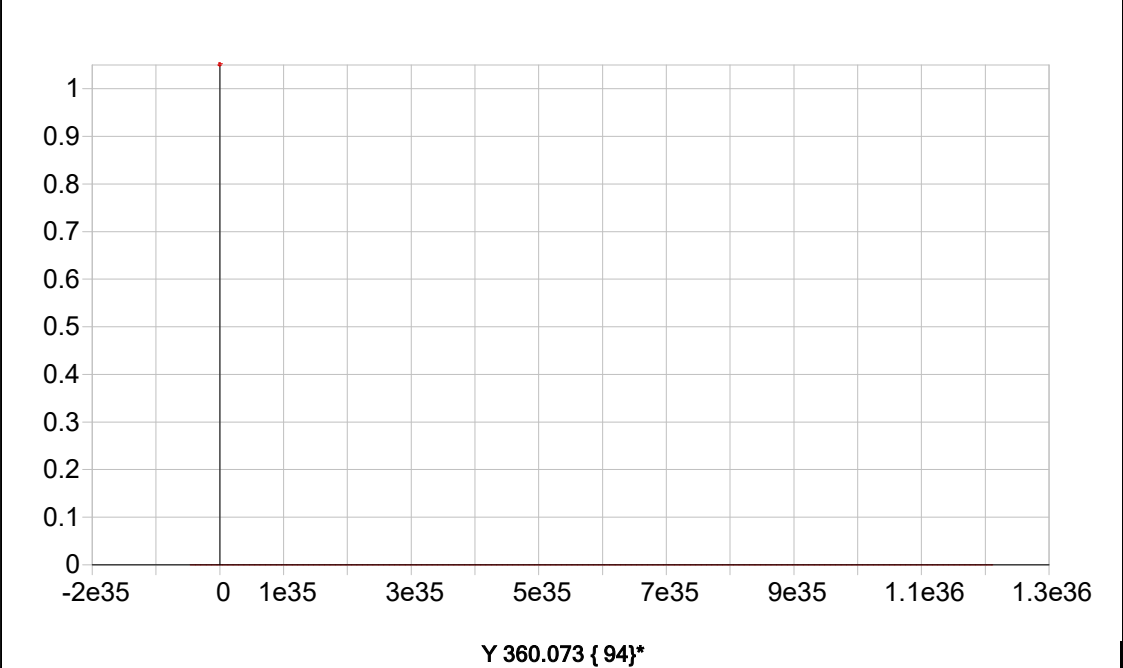
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | .00002 | .000    | 1        |
| S1        | .10000       | .09049      | -.010      | -9.51   | .17619 | .001    | 1        |
| S3        | 2.5000       | 2.3829      | -.117      | -4.68   | 4.7808 | .015    | 1        |
| S4        | 5.0000       | 5.1190      | .119       | 2.38    | 10.249 | .030    | 1        |
| S5        | 10.000       | 10.058      | .058       | .577    | 20.147 | .195    | 1        |
| S2        | 1.2500       | 1.1996      | -.050      | -4.03   | 2.4063 | .005    | 1        |



Date of Fit: 12/16/2024 5:13:06      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 |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



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





**Y 224.306 {150}\***

| 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       |              |           |            |           |

|                   |              |             |            |         |         |           |          |
|-------------------|--------------|-------------|------------|---------|---------|-----------|----------|
| A2 (Curvature):   |              | 0.000000    |            | Status: | Warning | Zero Gain |          |
| n (Exponent):     |              | 1.000000    |            |         |         |           |          |
| Correlation:      |              | 0.000000    |            |         |         |           |          |
| 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 |