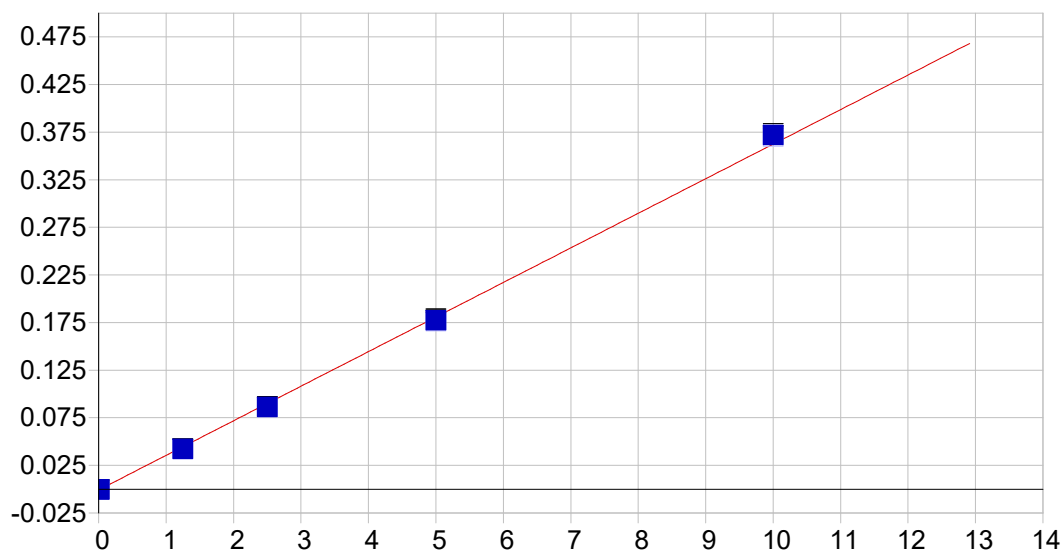


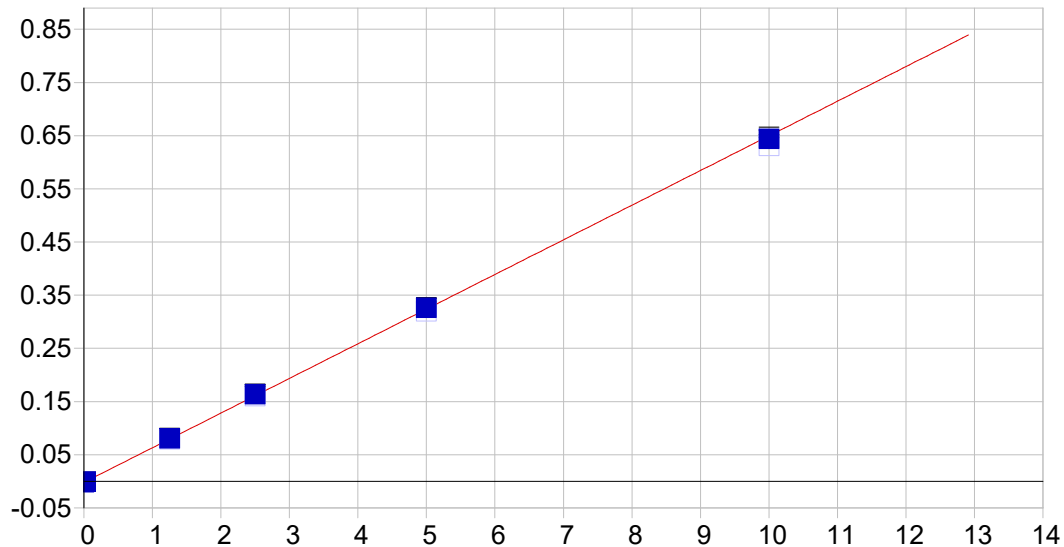


### As 189.042 {479}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000792 Re-Slope: 1.000000  
 A1 (Gain): 0.036319 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999544 Status: OK.  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.006109  
 Predicted MQL: 0.020364

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00079 | .000    | 1        |
| S1        | .01000       | .00741      | -.003      | -25.9   | -.00052 | .000    | 1        |
| S2        | 1.2500       | 1.1839      | -.066      | -5.29   | .04199  | .000    | 1        |
| S3        | 2.5000       | 2.4011      | -.099      | -3.96   | .08599  | .001    | 1        |
| S4        | 5.0000       | 4.9032      | -.097      | -1.94   | .17644  | .002    | 1        |
| S5        | 10.000       | 10.264      | .264       | 2.64    | .37030  | .001    | 1        |

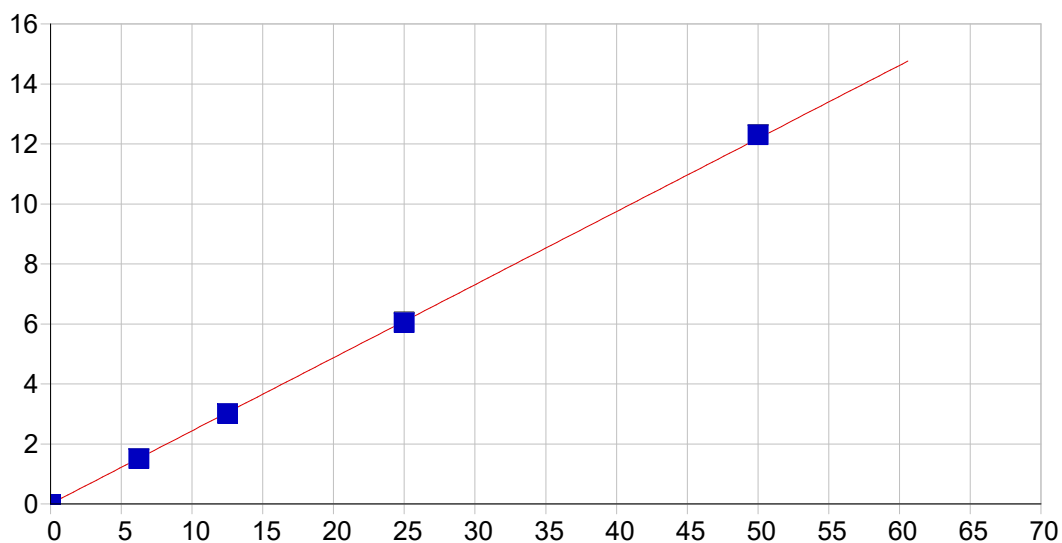


TI 190.856 {477}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001996 Re-Slope: 1.000000  
 A1 (Gain): 0.065161 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999939 Status: OK.  
 Std Error of Est: 0.000019  
 Predicted MDL: 0.003564  
 Predicted MQL: 0.011879

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00200 | .000    | 1        |
| S1        | .02500       | .02179      | -.003      | -12.8   | -.00073 | .000    | 1        |
| S2        | 1.2500       | 1.2660      | .016       | 1.28    | .07882  | .001    | 1        |
| S3        | 2.5000       | 2.5396      | .040       | 1.59    | .16014  | .001    | 1        |
| S4        | 5.0000       | 5.0326      | .033       | .653    | .31923  | .001    | 1        |
| S5        | 10.000       | 9.9147      | -.085      | -.853   | .63065  | .003    | 1        |

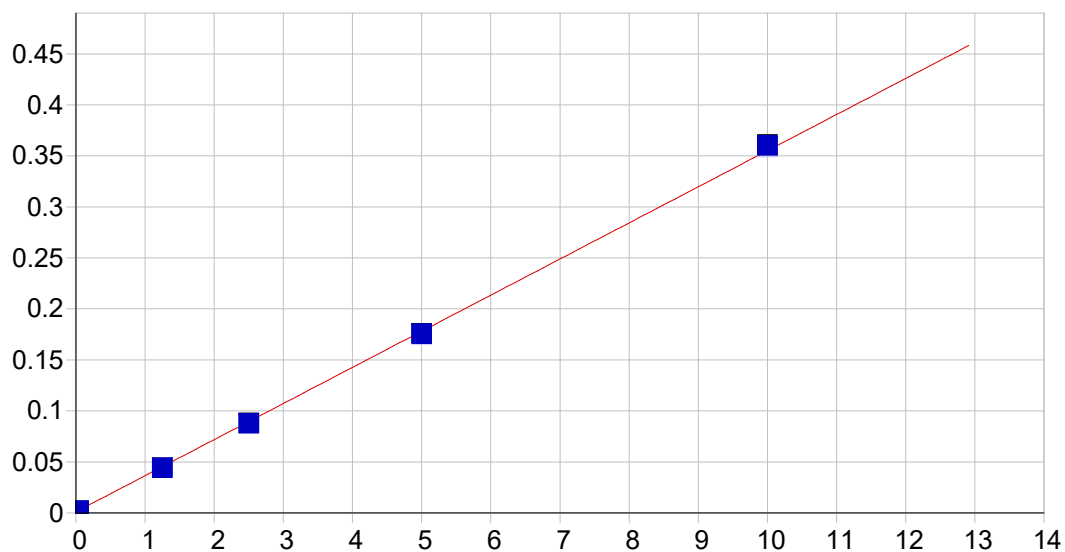


### Pb 220.353 {453}

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.001552      Re-Slope: 1.000000  
 A1 (Gain): 0.243562      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999948      Status: OK.  
 Std Error of Est: 0.000093  
 Predicted MDL: 0.001946  
 Predicted MQL: 0.006485

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00155 | .000    | 1        |
| S1        | .01000       | .01000      | .000       | .041    | .00399 | .000    | 1        |
| S2        | 6.2500       | 6.1524      | -.098      | -1.56   | 1.5003 | .003    | 1        |
| S3        | 12.500       | 12.333      | -.167      | -1.34   | 3.0059 | .007    | 1        |
| S4        | 25.000       | 24.797      | -.203      | -.811   | 6.0424 | .013    | 1        |
| S5        | 50.000       | 50.468      | .468       | .935    | 12.296 | .014    | 1        |

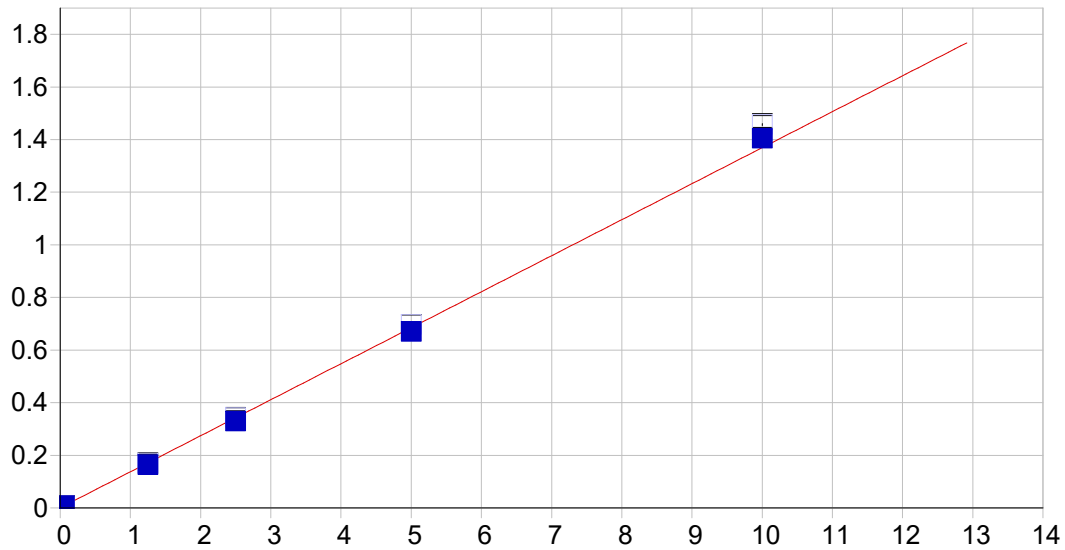


**Se 196.090 {472}**

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.001061 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.035402 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999873 | Status:   | OK.      |
| Std Error of Est: | 0.000018 |           |          |
| Predicted MDL:    | 0.006297 |           |          |
| Predicted MQL:    | 0.020991 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00106 | .000    | 1        |
| S1        | .03500       | .03487      | -.000      | -.381   | .00230 | .000    | 1        |
| S2        | 1.2500       | 1.2210      | -.029      | -2.32   | .04408 | .000    | 1        |
| S3        | 2.5000       | 2.4510      | -.049      | -1.96   | .08741 | .000    | 1        |
| S4        | 5.0000       | 4.9315      | -.068      | -1.37   | .17480 | .000    | 1        |
| S5        | 10.000       | 10.147      | .147       | 1.47    | .35858 | .001    | 1        |

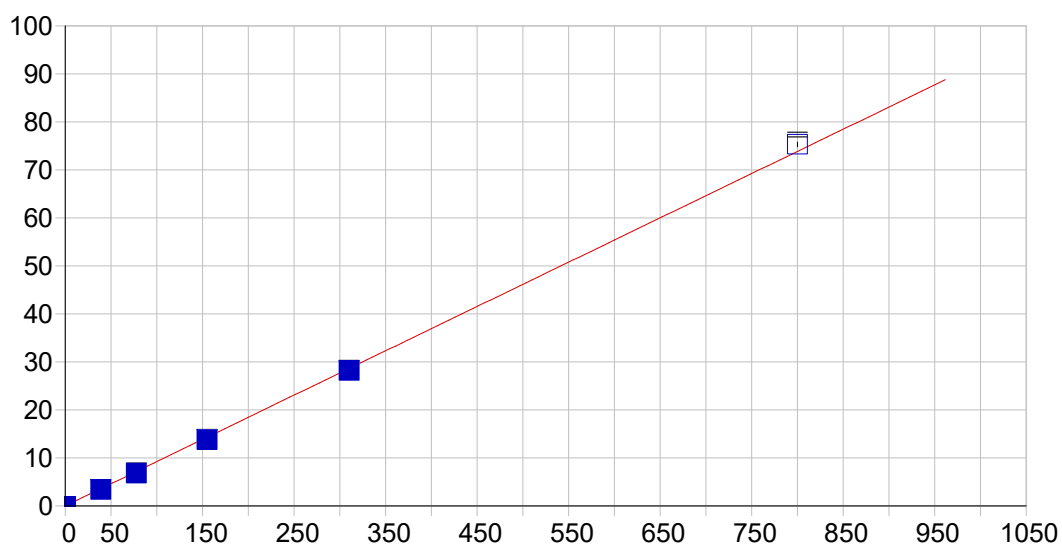


### Sb 206.833 {463}

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000504 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.136872 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999632 | Status:   | OK.      |
| Std Error of Est: | 0.000159 |           |          |
| Predicted MDL:    | 0.002386 |           |          |
| Predicted MQL:    | 0.007953 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00051 | .000    | 1        |
| S1        | .06000       | .05817      | -.002      | -3.05   | .00847 | .000    | 1        |
| S2        | 1.2500       | 1.1954      | -.055      | -4.36   | .17074 | .001    | 1        |
| S3        | 2.5000       | 2.4065      | -.094      | -3.74   | .34310 | .001    | 1        |
| S4        | 5.0000       | 4.8916      | -.108      | -2.17   | .69646 | .000    | 1        |
| S5        | 10.000       | 10.258      | .258       | 2.58    | 1.4574 | .004    | 1        |

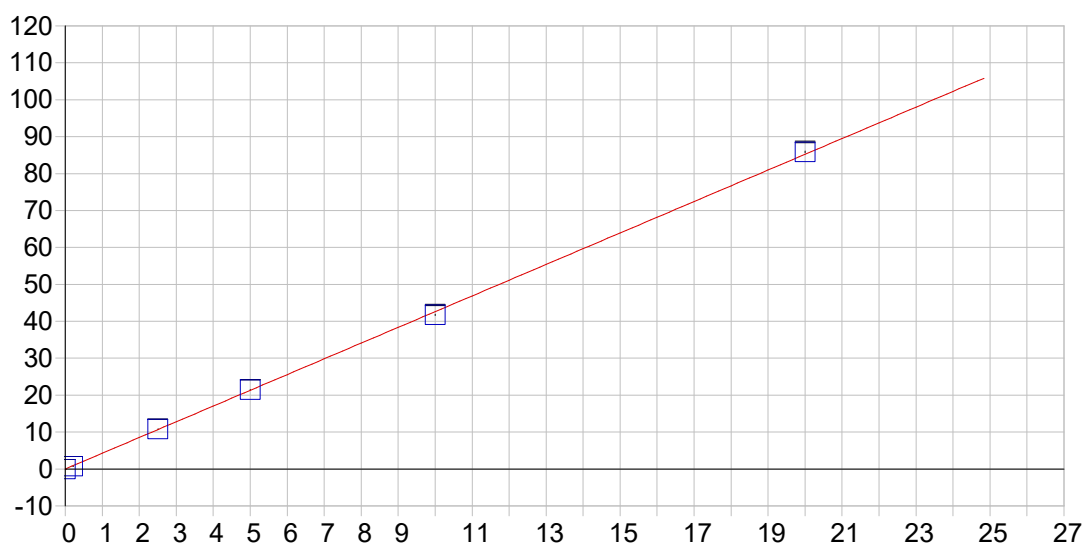


AI 396.152 { 85}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002447 Re-Slope: 1.000000  
 A1 (Gain): 0.092316 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999700 Status: OK.  
 Std Error of Est: 0.001406  
 Predicted MDL: 0.009305  
 Predicted MQL: 0.031015

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00003      | .000       | .000    | .00245 | .000    | 1        |
| S1        | .20000       | .19716      | -.003      | -1.42   | .02068 | .000    | 1        |
| S2        | 38.750       | 36.827      | -1.92      | -4.96   | 3.4059 | .008    | 1        |
| S3        | 77.500       | 73.921      | -3.58      | -4.62   | 6.8341 | .011    | 1        |
| S4        | 155.00       | 149.60      | -5.40      | -3.48   | 13.828 | .060    | 1        |
| S5        | 310.00       | 305.24      | -4.76      | -1.54   | 28.211 | .049    | 1        |
| S6        | 800.00       | 815.68      | 15.7       | 1.96    | 75.303 | .471    | 1        |

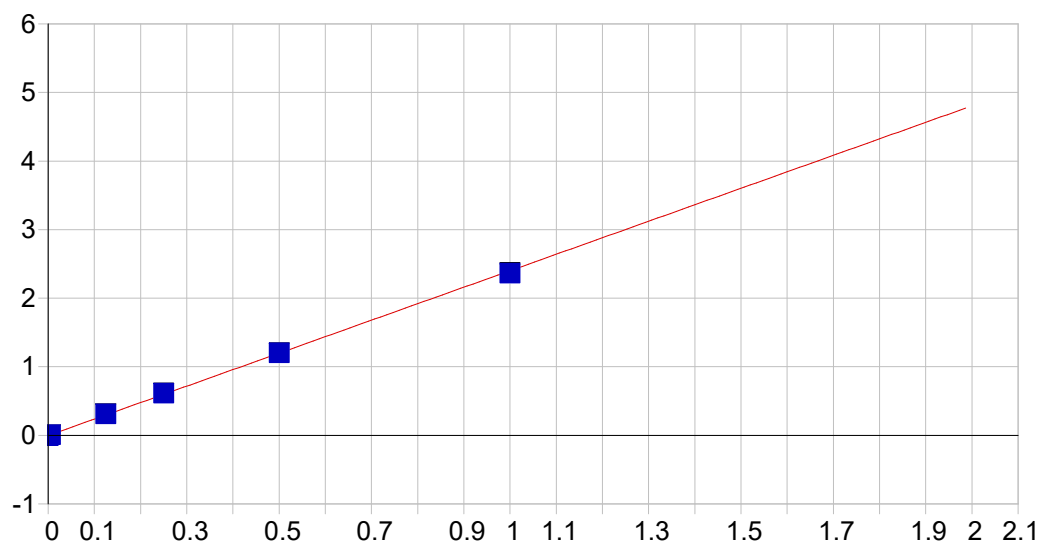


**Ba 493.409 { 68}**

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000524 Re-Slope: 1.000000  
 A1 (Gain): 4.261180 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999889 Status: OK.  
 Std Error of Est: 0.006747  
 Predicted MDL: 0.000601  
 Predicted MQL: 0.002003

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | .00061 | .001    | 1        |
| S1        | .20000       | .17868      | -.021      | -10.7   | .76192 | .003    | 1        |
| S2        | 2.5000       | 2.5326      | .033       | 1.30    | 10.792 | .005    | 1        |
| S3        | 5.0000       | 5.0441      | .044       | .881    | 21.494 | .016    | 1        |
| S4        | 10.000       | 9.7958      | -.204      | -2.04   | 41.742 | .156    | 1        |
| S5        | 20.000       | 20.149      | .149       | .745    | 85.859 | .218    | 1        |



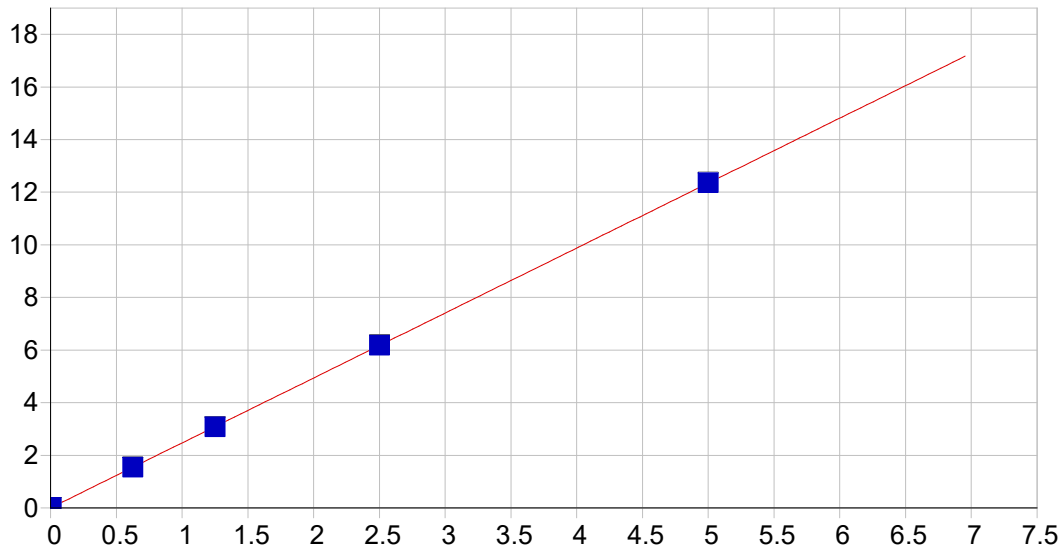
### Be 234.861 {144}

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.003672 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 2.404307  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999793  | Status:   | OK.      |
| Std Error of Est: | 0.000183  |           |          |
| Predicted MDL:    | 0.000118  |           |          |
| Predicted MQL:    | 0.000392  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00367 | .000    | 1        |
| S1        | .00500       | .00534      | .000       | 6.79    | .00916  | .000    | 1        |
| S2        | .12500       | .13162      | .007       | 5.29    | .31182  | .003    | 1        |
| S3        | .25000       | .25679      | .007       | 2.72    | .61184  | .002    | 1        |
| S4        | .50000       | .50086      | .001       | .172    | 1.1967  | .003    | 1        |
| S5        | 1.0000       | .98539      | -.015      | -1.46   | 2.3579  | .011    | 1        |



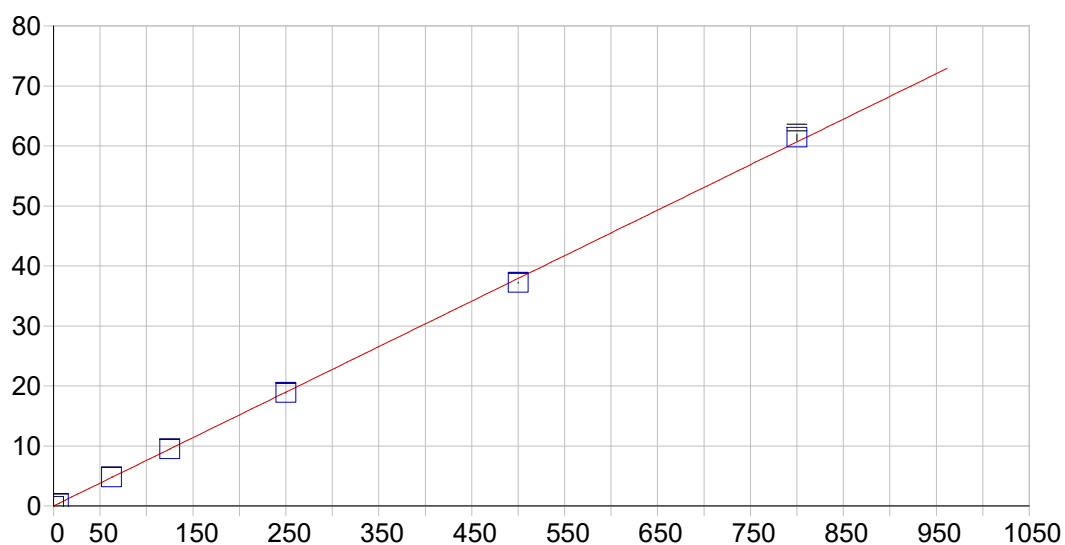


**Cd 214.438 {457}**

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000620 Re-Slope: 1.000000  
 A1 (Gain): 2.469173 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999999 Status: OK.  
 Std Error of Est: 0.000034  
 Predicted MDL: 0.000126  
 Predicted MQL: 0.000419

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00062  | .000    | 1        |
| S1        | .00500       | .00492      | -.000      | -1.65   | .01277  | .000    | 1        |
| S2        | .02500       | .02508      | .000       | .012    | 0.15462 | .002    | 1        |
| S3        | 0.12500      | 0.12449     | -.005      | -.409   | 0.30788 | .006    | 1        |
| S4        | 0.25000      | 0.25017     | .002       | .069    | 0.61866 | .012    | 1        |
| S5        | 0.50000      | 0.50034     | .003       | .068    | 1.2372  | .013    | 1        |

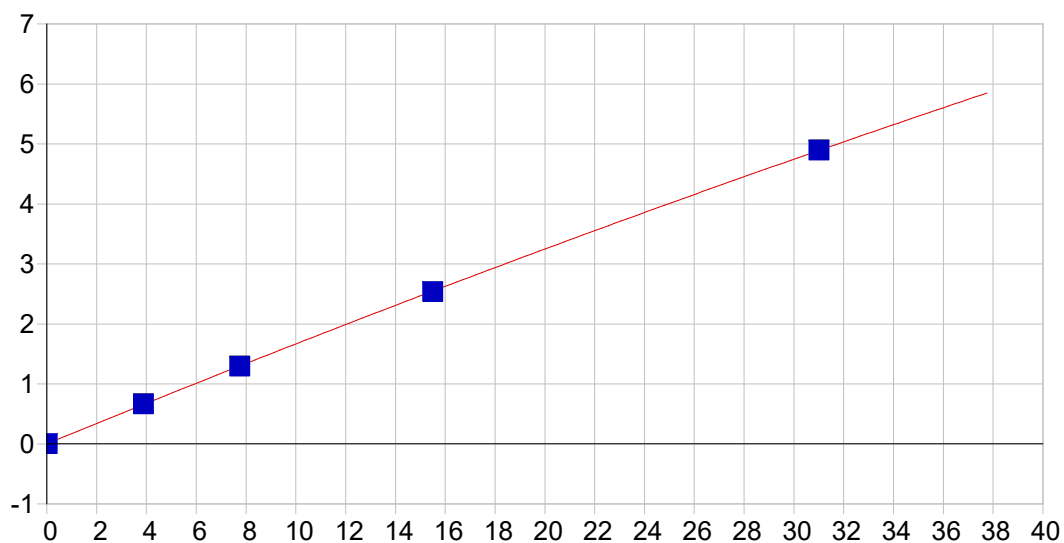


Ca 373.690 { 90}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002120 Re-Slope: 1.000000  
 A1 (Gain): 0.075828 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999907 Status: OK.  
 Std Error of Est: 0.003607  
 Predicted MDL: 0.010981  
 Predicted MQL: 0.036603

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00022     | -.000      | .000    | .00210 | .001    | 1        |
| S1        | 5.0000       | 5.2288      | .229       | 4.58    | .39861 | .001    | 1        |
| S2        | 62.500       | 63.226      | .726       | 1.16    | 4.7965 | .001    | 1        |
| S3        | 125.00       | 124.88      | -.119      | -.096   | 9.4716 | .009    | 1        |
| S4        | 250.00       | 248.60      | -1.40      | -.558   | 18.853 | .062    | 1        |
| S5        | 500.00       | 490.66      | -9.34      | -1.87   | 37.208 | .096    | 1        |
| S6        | 800.00       | 809.90      | 9.90       | 1.24    | 61.415 | .538    | 1        |

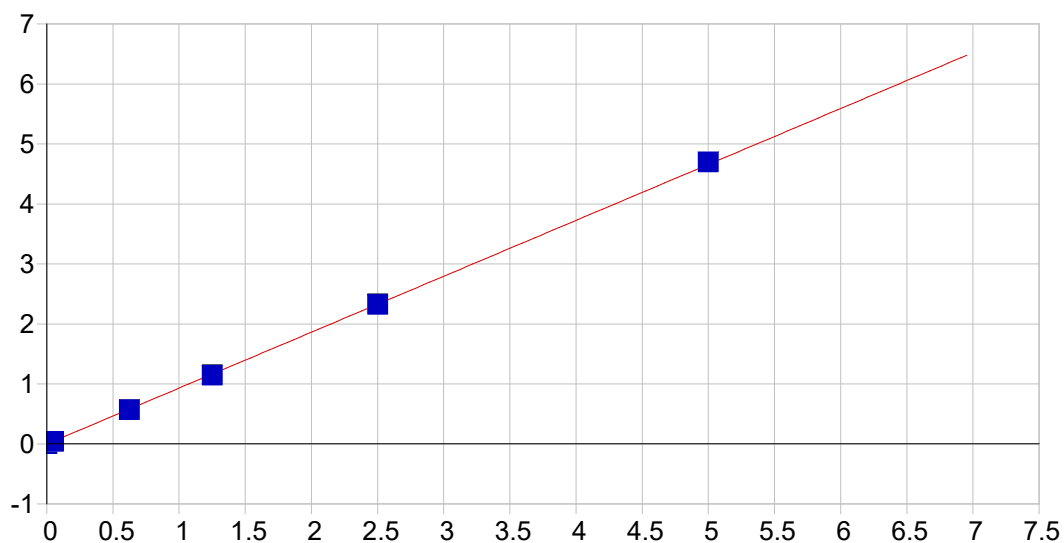


### Cr 267.716 {126}

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Curvilinear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | 0.000059  | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.170848  | Y-int:    | 0.000000 |
| A2 (Curvature):   | -0.000423 |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999989  | Status:   | OK.      |
| Std Error of Est: | 0.000026  |           |          |
| Predicted MDL:    | 0.000595  |           |          |
| Predicted MQL:    | 0.001982  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00006 | .000    | 1        |
| S1        | .01000       | .01011      | .000       | 1.08    | .00179 | .000    | 1        |
| S2        | 3.8750       | 3.9332      | .058       | 1.50    | .66574 | .000    | 1        |
| S3        | 7.7500       | 7.7202      | -.030      | -.385   | 1.2943 | .001    | 1        |
| S4        | 15.500       | 15.438      | -.062      | -.398   | 2.5379 | .002    | 1        |
| S5        | 31.000       | 31.034      | .034       | .109    | 4.8971 | .003    | 1        |

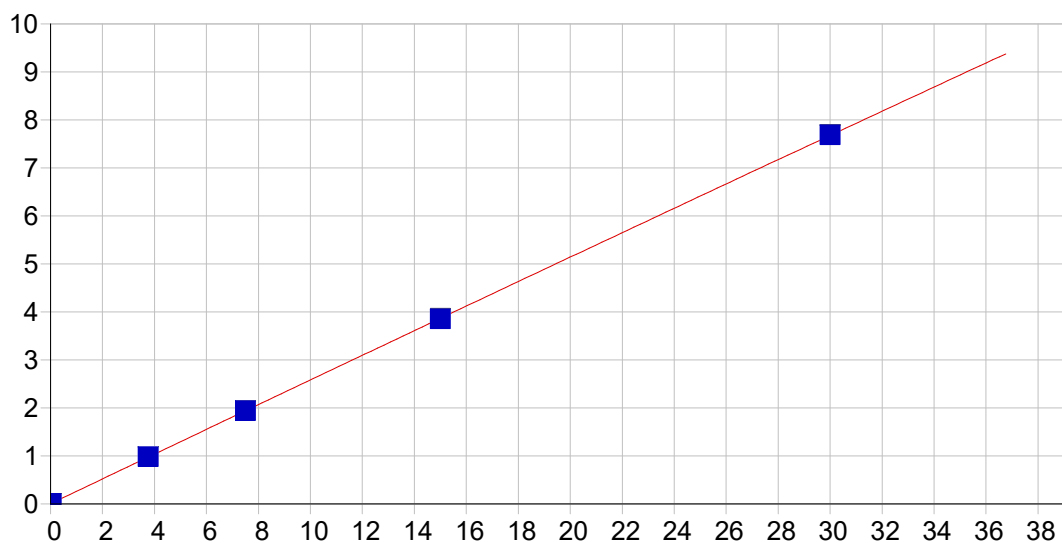


**Co 228.616 {448}**

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.001791 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.931869  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999935  | Status:   | OK.      |
| Std Error of Est: | 0.000282  |           |          |
| Predicted MDL:    | 0.000337  |           |          |
| Predicted MQL:    | 0.001123  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00179 | .000    | 1        |
| S1        | .05000       | .04644      | -.004      | -7.11   | .04165  | .000    | 1        |
| S2        | .62500       | .61228      | -.013      | -2.03   | .56974  | .001    | 1        |
| S3        | 1.2500       | 1.2299      | -.020      | -1.61   | 1.1463  | .002    | 1        |
| S4        | 2.5000       | 2.4935      | -.007      | -.261   | 2.3257  | .005    | 1        |
| S5        | 5.0000       | 5.0429      | .043       | .858    | 4.7053  | .003    | 1        |

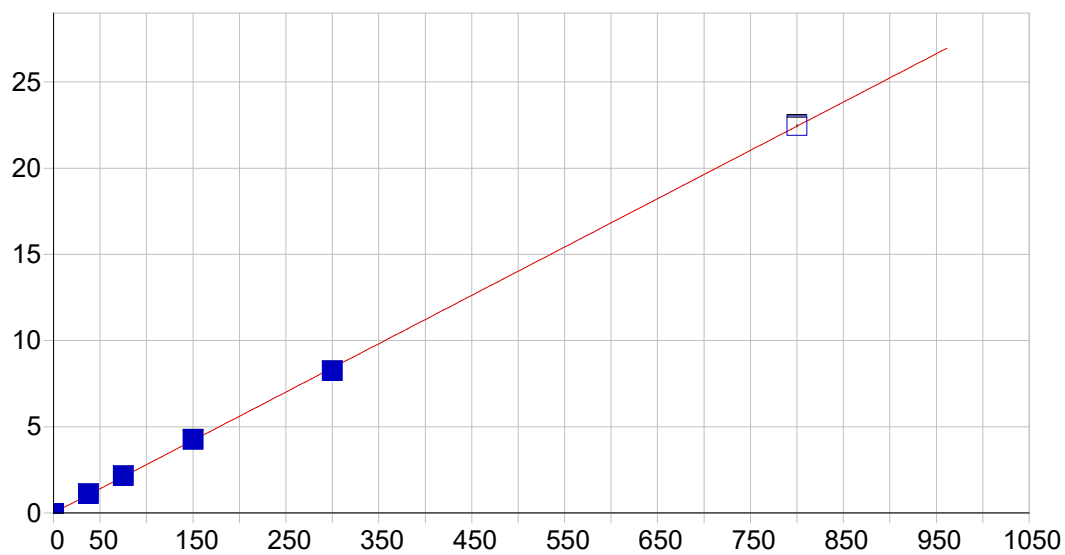


### Cu 324.754 {104}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.002113 Re-Slope: 1.000000  
 A1 (Gain): 0.259350 Y-int: 0.000000  
 A2 (Curvature): -0.000118  
 n (Exponent): 1.000000  
 Correlation: 0.999994 Status: OK.  
 Std Error of Est: 0.000047  
 Predicted MDL: 0.002107  
 Predicted MQL: 0.007024

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00211 | .000    | 1        |
| S1        | .02500       | .02509      | .000       | .371    | .00862 | .000    | 1        |
| S2        | 3.7500       | 3.7889      | .039       | 1.04    | .98375 | .000    | 1        |
| S3        | 7.5000       | 7.4945      | -.006      | -.073   | 1.9405 | .004    | 1        |
| S4        | 15.000       | 14.939      | -.061      | -.405   | 3.8530 | .013    | 1        |
| S5        | 30.000       | 30.027      | .027       | .091    | 7.6888 | .007    | 1        |

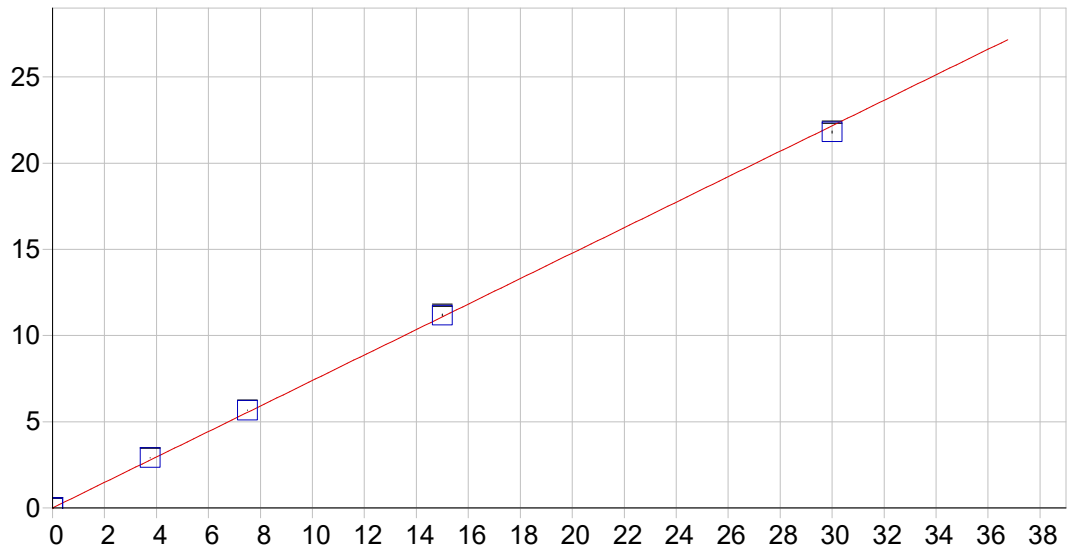


**Fe 259.837 {130}**

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000089 Re-Slope: 1.000000  
 A1 (Gain): 0.028045 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999893 Status: OK.  
 Std Error of Est: 0.000179  
 Predicted MDL: 0.008368  
 Predicted MQL: 0.027893

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00009 | .000    | 1        |
| S1        | .10000       | .10413      | .004       | 4.13    | .00301 | .000    | 1        |
| S2        | 37.500       | 39.489      | 1.99       | 5.30    | 1.1081 | .003    | 1        |
| S3        | 75.000       | 76.813      | 1.81       | 2.42    | 2.1554 | .005    | 1        |
| S4        | 150.00       | 151.43      | 1.43       | .955    | 4.2491 | .029    | 1        |
| S5        | 300.00       | 293.81      | -6.19      | -2.06   | 8.2442 | .017    | 1        |
| S6        | 800.00       | 800.95      | .948       | .118    | 22.462 | .070    | 1        |

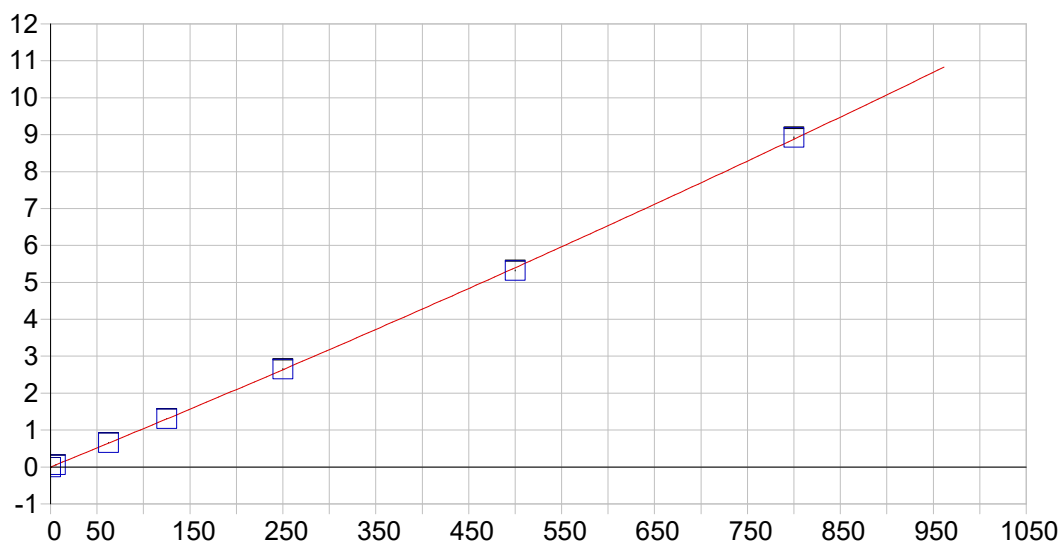


**Mn 257.610 {131}**

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000440 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.739030 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999805 | Status:   | OK.      |
| Std Error of Est: | 0.000519 |           |          |
| Predicted MDL:    | 0.000367 |           |          |
| Predicted MQL:    | 0.001223 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00044 | .000    | 1        |
| S1        | .01500       | .01605      | .001       | 6.99    | .01230 | .000    | 1        |
| S2        | 3.7500       | 3.9318      | .182       | 4.85    | 2.9061 | .005    | 1        |
| S3        | 7.5000       | 7.6703      | .170       | 2.27    | 5.6690 | .011    | 1        |
| S4        | 15.000       | 15.135      | .135       | .900    | 11.186 | .061    | 1        |
| S5        | 30.000       | 29.512      | -.488      | -1.63   | 21.811 | .063    | 1        |



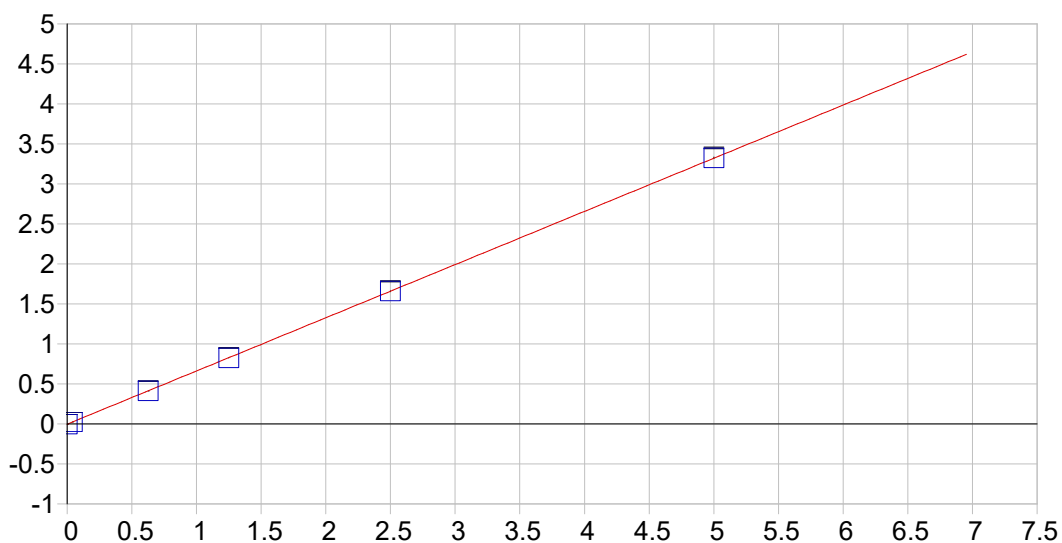
### Mg 279.079 {121}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.000220 Re-Slope: 1.000000  
 A1 (Gain): 0.010285 Y-int: 0.000000  
 A2 (Curvature): 0.000001  
 n (Exponent): 1.000000  
 Correlation: 0.999950 Status: Warning Positive Curvature  
 Std Error of Est: 0.000424  
 Predicted MDL: 0.027589  
 Predicted MQL: 0.091965

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00052     | -.001      | .000    | -.00023 | .000    | 1        |
| S1        | 5.0000       | 5.4303      | .430       | 8.61    | .05566  | .000    | 1        |
| S2        | 62.500       | 63.649      | 1.15       | 1.84    | .65852  | .001    | 1        |
| S3        | 125.00       | 125.49      | .489       | .391    | 1.3064  | .004    | 1        |
| S4        | 250.00       | 251.15      | 1.15       | .459    | 2.6469  | .015    | 1        |
| S5        | 500.00       | 493.32      | -6.68      | -1.34   | 5.3210  | .016    | 1        |
| S6        | 800.00       | 803.48      | 3.48       | .436    | 8.9201  | .024    | 1        |



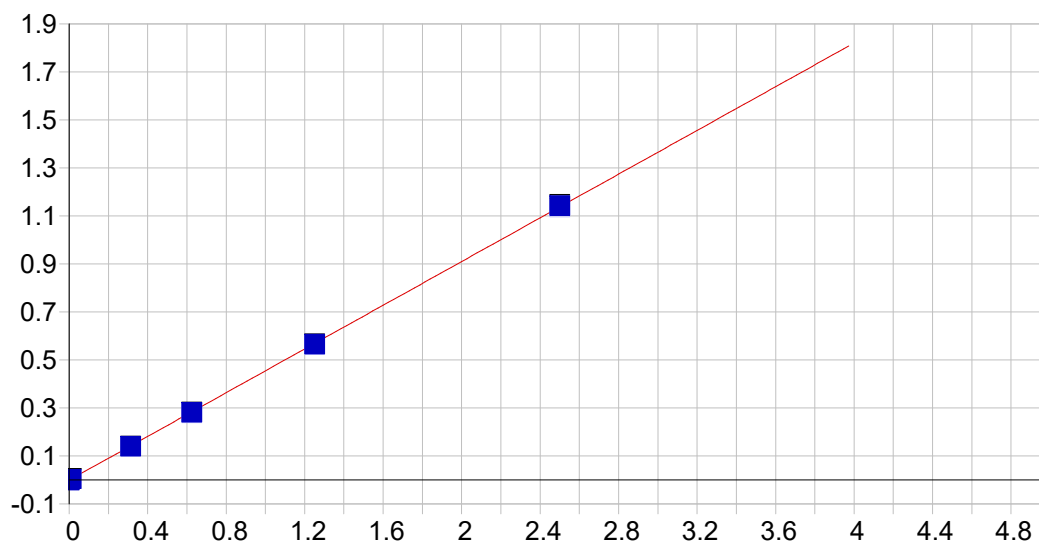


### Ni 231.604 {446}

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.002690 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.664740  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999997  | Status:   | OK.      |
| Std Error of Est: | 0.000038  |           |          |
| Predicted MDL:    | 0.000552  |           |          |
| Predicted MQL:    | 0.001841  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00269 | .000    | 1        |
| S1        | .04000       | .04091      | .001       | 2.28    | .02450  | .000    | 1        |
| S2        | .62500       | .62428      | -.001      | -.115   | .41229  | .001    | 1        |
| S3        | 1.2500       | 1.2443      | -.006      | -.453   | .82447  | .002    | 1        |
| S4        | 2.5000       | 2.4992      | -.001      | -.032   | 1.6586  | .005    | 1        |
| S5        | 5.0000       | 5.0063      | .006       | .125    | 3.3252  | .010    | 1        |

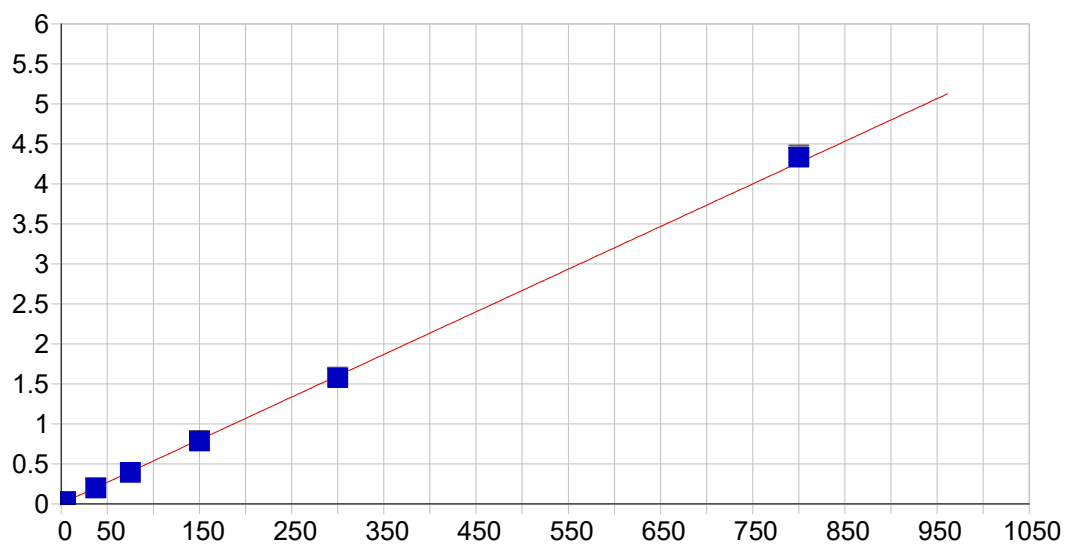


### Ag 328.068 {103}

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000856 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.455313  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999932  | Status:   | OK.      |
| Std Error of Est: | 0.000044  |           |          |
| Predicted MDL:    | 0.000438  |           |          |
| Predicted MQL:    | 0.001461  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00086 | .000    | 1        |
| S1        | .01000       | .01212      | .002       | 21.2    | .00463  | .000    | 1        |
| S2        | .31250       | .30972      | -.003      | -.889   | .13924  | .000    | 1        |
| S3        | .62500       | .61860      | -.006      | -1.02   | .27895  | .002    | 1        |
| S4        | 1.2500       | 1.2445      | -.006      | -.441   | .56207  | .001    | 1        |
| S5        | 2.5000       | 2.5126      | .013       | .503    | 1.1357  | .005    | 1        |

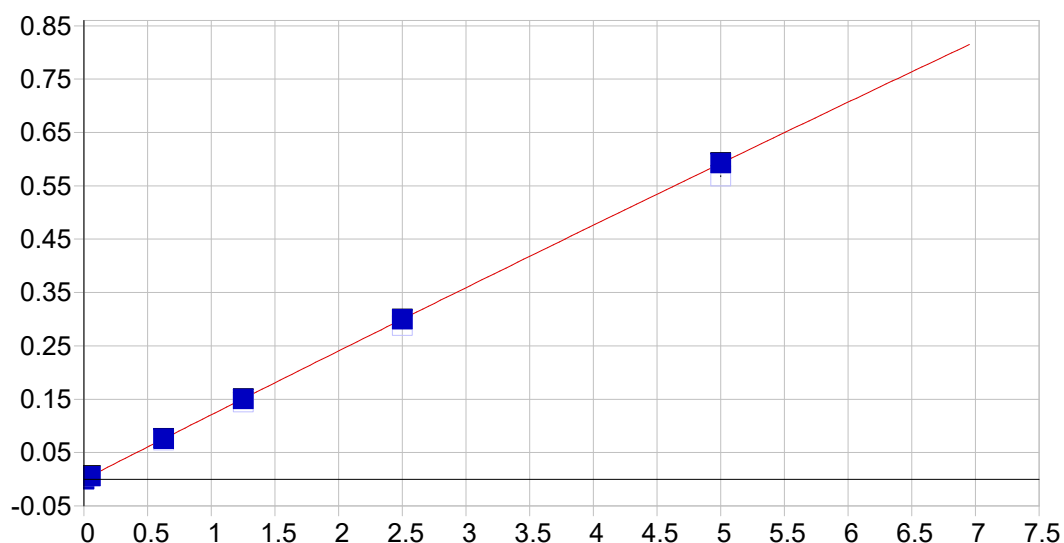


**Na 818.326 { 41}**

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.004078 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.005328 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999819 | Status:   | OK.      |
| Std Error of Est: | 0.000315 |           |          |
| Predicted MDL:    | 0.270903 |           |          |
| Predicted MQL:    | 0.903010 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00068      | .001       | .000    | .00408 | .003    | 1        |
| S1        | 5.0000       | 4.7575      | -.242      | -4.85   | .02943 | .002    | 1        |
| S2        | 37.500       | 36.353      | -1.15      | -3.06   | .19847 | .001    | 1        |
| S3        | 75.000       | 72.681      | -2.32      | -3.09   | .39273 | .001    | 1        |
| S4        | 150.00       | 146.06      | -3.94      | -2.63   | .78509 | .003    | 1        |
| S5        | 300.00       | 295.10      | -4.90      | -1.63   | 1.5820 | .001    | 1        |
| S6        | 800.00       | 812.55      | 12.6       | 1.57    | 4.3484 | .013    | 1        |

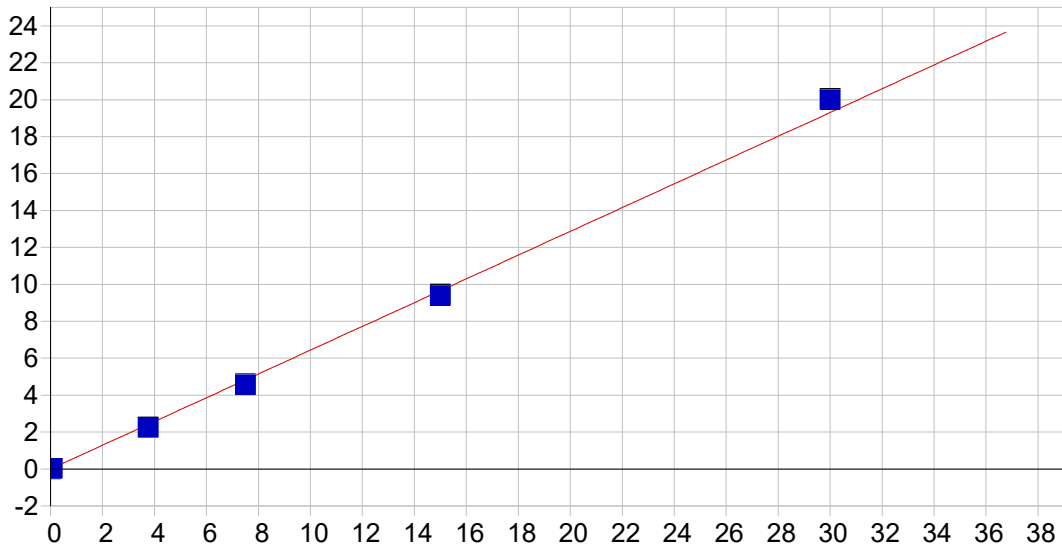


**V 292.402 {115}**

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Curvilinear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000226 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.121662  | Y-int:    | 0.000000 |
| A2 (Curvature):   | -0.000635 |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999997  | Status:   | OK.      |
| Std Error of Est: | 0.000008  |           |          |
| Predicted MDL:    | 0.002812  |           |          |
| Predicted MQL:    | 0.009375  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00023 | .000    | 1        |
| S1        | .05000       | .04916      | -.001      | -1.68   | .00574  | .000    | 1        |
| S2        | .62500       | .62909      | .004       | .655    | .07303  | .000    | 1        |
| S3        | 1.2500       | 1.2480      | -.002      | -.156   | .14457  | .001    | 1        |
| S4        | 2.5000       | 2.4974      | -.003      | -.103   | .28755  | .001    | 1        |
| S5        | 5.0000       | 5.0013      | .001       | .026    | .56814  | .001    | 1        |

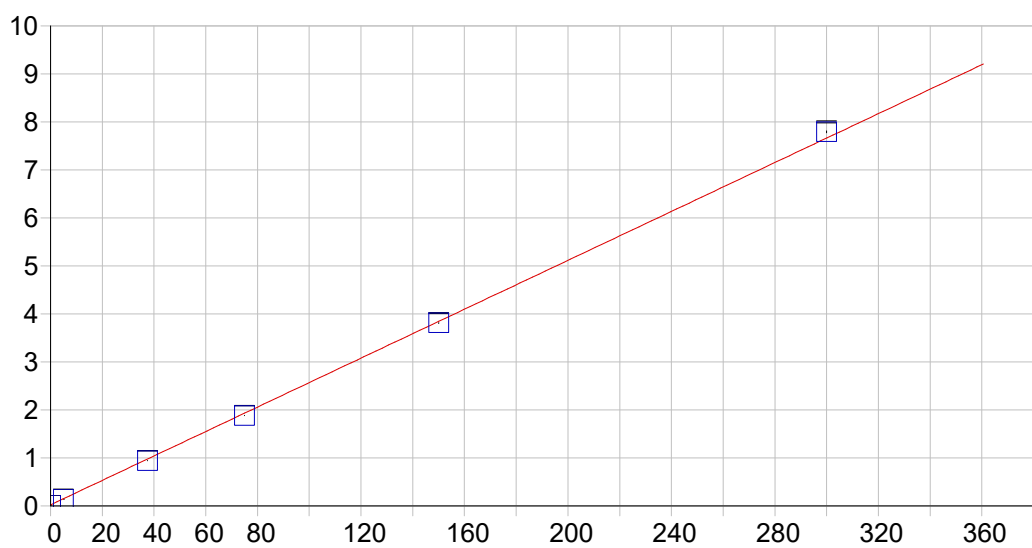


### Zn 213.856 {158}

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.001485 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.643524  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999206  | Status:   | OK.      |
| Std Error of Est: | 0.001827  |           |          |
| Predicted MDL:    | 0.001749  |           |          |
| Predicted MQL:    | 0.005830  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00148 | .001    | 1        |
| S1        | .06000       | .05413      | -.006      | -9.79   | .03347  | .000    | 1        |
| S2        | 3.7500       | 3.4974      | -.253      | -6.74   | 2.2510  | .006    | 1        |
| S3        | 7.5000       | 7.0871      | -.413      | -5.51   | 4.5629  | .046    | 1        |
| S4        | 15.000       | 14.597      | -.403      | -2.69   | 9.3995  | .070    | 1        |
| S5        | 30.000       | 31.074      | 1.07       | 3.58    | 20.010  | .044    | 1        |

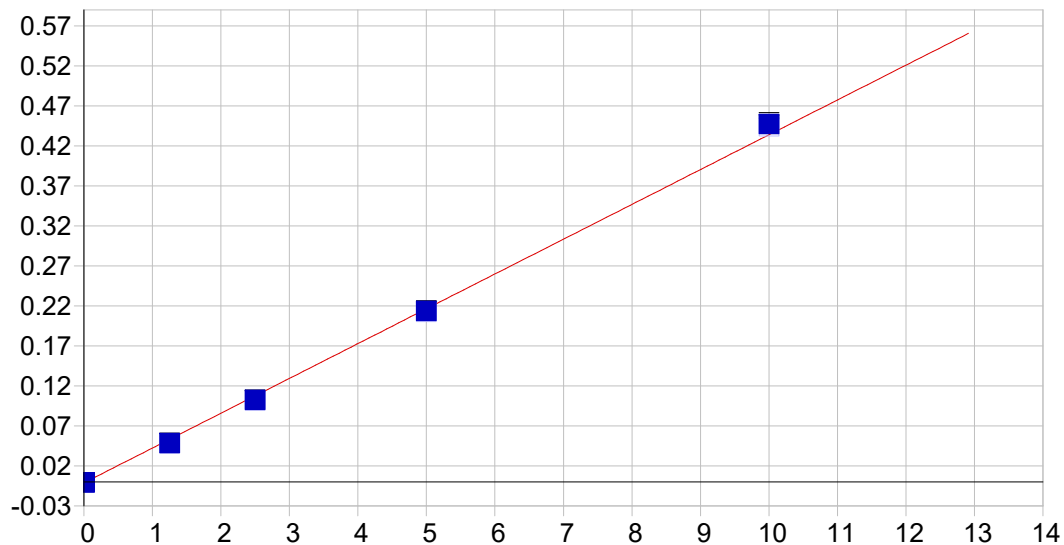


K 769.896 { 44}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.022223 Re-Slope: 1.000000  
 A1 (Gain): 0.025469 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999798 Status: OK.  
 Std Error of Est: 0.001054  
 Predicted MDL: 0.057609  
 Predicted MQL: 0.192029

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00065      | .001       | .000    | .02224 | .001    | 1        |
| S1        | 5.0000       | 4.6233      | -.377      | -7.53   | .13997 | .002    | 1        |
| S2        | 37.500       | 36.110      | -1.39      | -3.71   | .94190 | .002    | 1        |
| S3        | 75.000       | 72.994      | -2.01      | -2.68   | 1.8813 | .003    | 1        |
| S4        | 150.00       | 148.74      | -1.26      | -.841   | 3.8105 | .013    | 1        |
| S5        | 300.00       | 305.03      | 5.03       | 1.68    | 7.7912 | .021    | 1        |

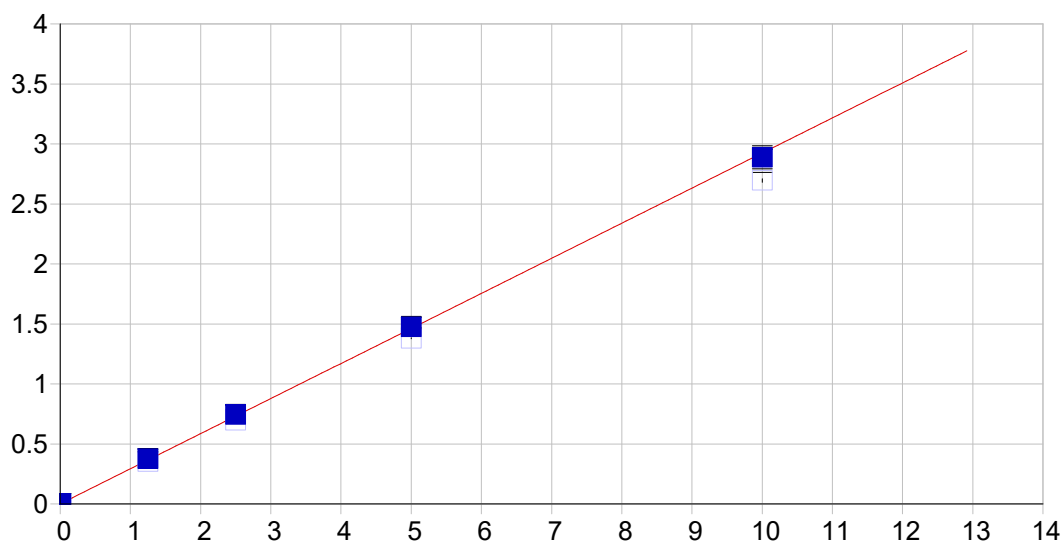


P 177.495 {490}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001173 Re-Slope: 1.000000  
 A1 (Gain): 0.043507 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999269 Status: OK.  
 Std Error of Est: 0.000028  
 Predicted MDL: 0.003894  
 Predicted MQL: 0.012981

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00117 | .000    | 1        |
| S1        | .01000       | .00759      | -.002      | -24.1   | -.00084 | .000    | 1        |
| S2        | 1.2500       | 1.1357      | -.114      | -9.15   | .04789  | .000    | 1        |
| S3        | 2.5000       | 2.3771      | -.123      | -4.91   | .10157  | .000    | 1        |
| S4        | 5.0000       | 4.9363      | -.064      | -1.27   | .21222  | .001    | 1        |
| S5        | 10.000       | 10.303      | .303       | 3.03    | .44436  | .002    | 1        |



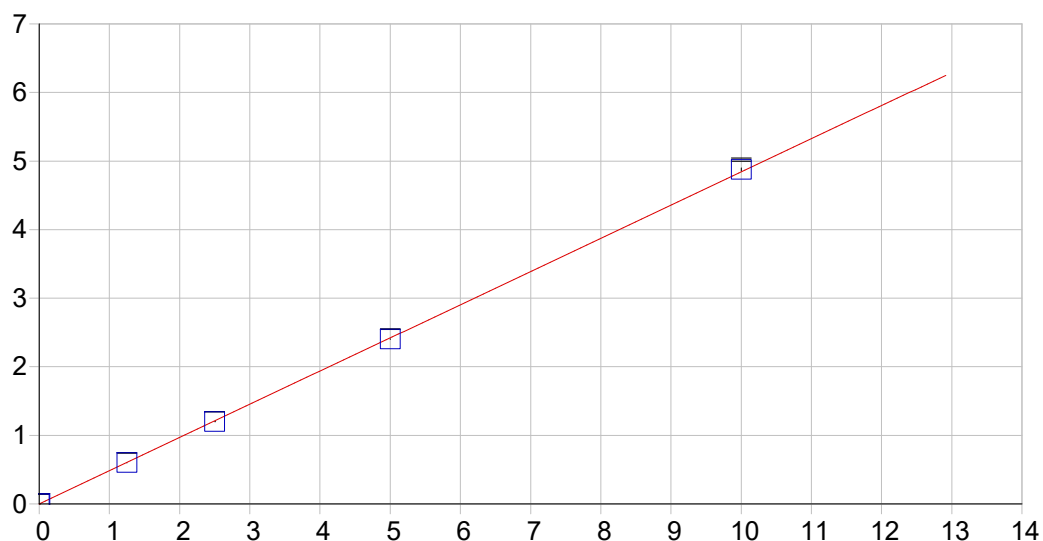
**B 249.678 {135}**

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000792 Re-Slope: 1.000000  
 A1 (Gain): 0.292259 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999891 Status: OK.  
 Std Error of Est: 0.000068  
 Predicted MDL: 0.001175  
 Predicted MQL: 0.003915

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00079 | .000    | 1        |
| S1        | .01000       | .00938      | -.001      | -6.19   | .00351 | .000    | 1        |
| S2        | 1.2500       | 1.2843      | .034       | 2.74    | .35208 | .003    | 1        |
| S3        | 2.5000       | 2.5407      | .041       | 1.63    | .69525 | .003    | 1        |
| S4        | 5.0000       | 5.0476      | .048       | .952    | 1.3798 | .003    | 1        |
| S5        | 10.000       | 9.8781      | -.122      | -1.22   | 2.6954 | .014    | 1        |



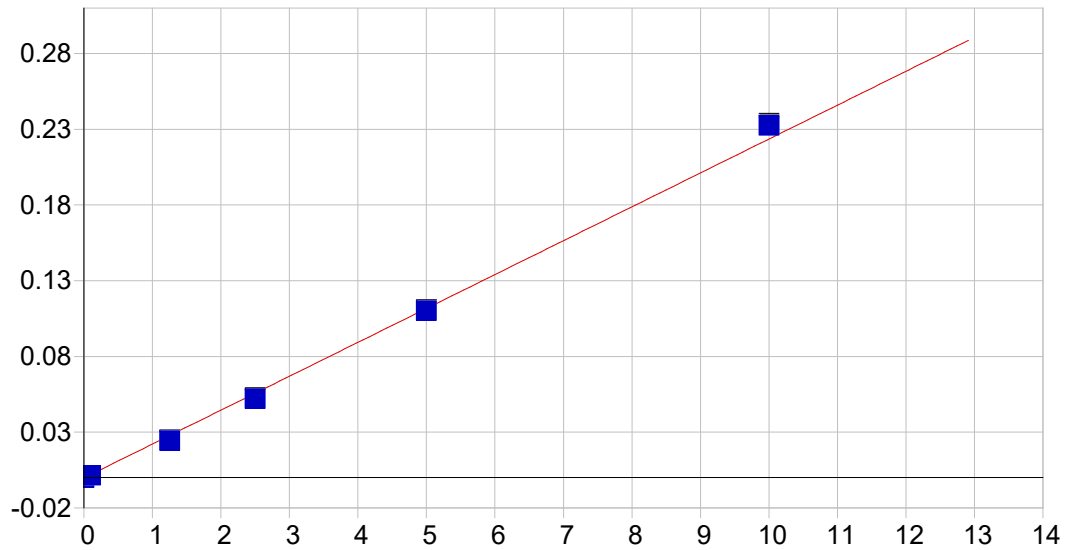


#### Mo 202.030 {467}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000993 Re-Slope: 1.000000  
 A1 (Gain): 0.483972 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999968 Status: OK.  
 Std Error of Est: 0.000065  
 Predicted MDL: 0.000522  
 Predicted MQL: 0.001740

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00099 | .000    | 1        |
| S1        | .01000       | .01010      | .000       | .995    | .00588 | .000    | 1        |
| S2        | 1.2500       | 1.2401      | -.010      | -.791   | .60117 | .003    | 1        |
| S3        | 2.5000       | 2.4744      | -.026      | -1.03   | 1.1985 | .001    | 1        |
| S4        | 5.0000       | 4.9604      | -.040      | -.791   | 2.4017 | .004    | 1        |
| S5        | 10.000       | 10.075      | .075       | .750    | 4.8770 | .022    | 1        |

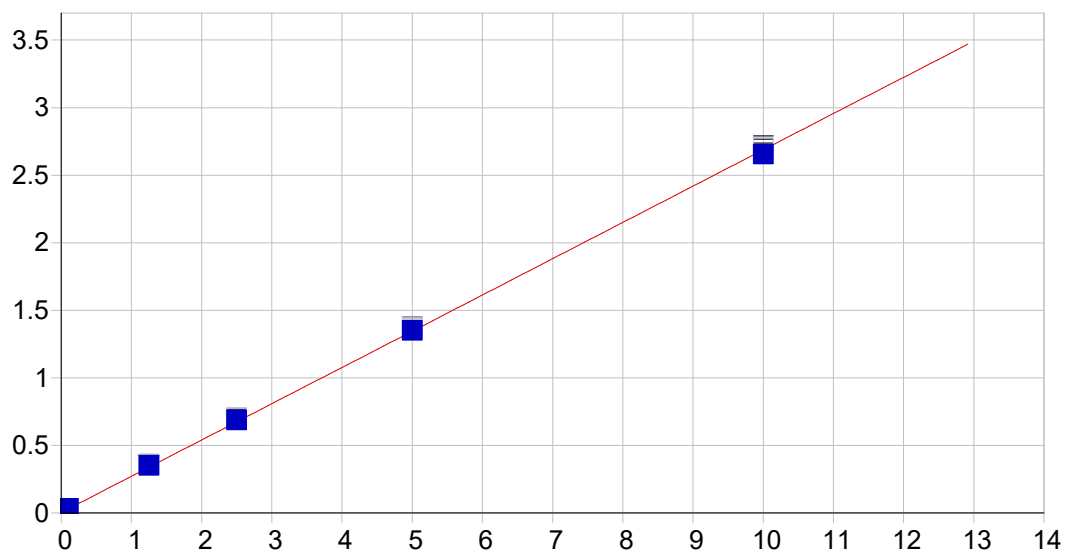


**S 182.034 {485}**

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000212 Re-Slope: 1.000000  
 A1 (Gain): 0.022374 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998700 Status: OK.  
 Std Error of Est: 0.000061  
 Predicted MDL: 0.007272  
 Predicted MQL: 0.024239

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00004      | .000       | .000    | -.00021 | .000    | 1        |
| S1        | .10000       | .07926      | -.021      | -20.7   | .00156  | .000    | 1        |
| S2        | 1.2500       | 1.1031      | -.147      | -11.8   | .02453  | .000    | 1        |
| S3        | 2.5000       | 2.3335      | -.166      | -6.66   | .05212  | .000    | 1        |
| S4        | 5.0000       | 4.9362      | -.064      | -1.28   | .11047  | .000    | 1        |
| S5        | 10.000       | 10.398      | .398       | 3.98    | .23290  | .001    | 1        |

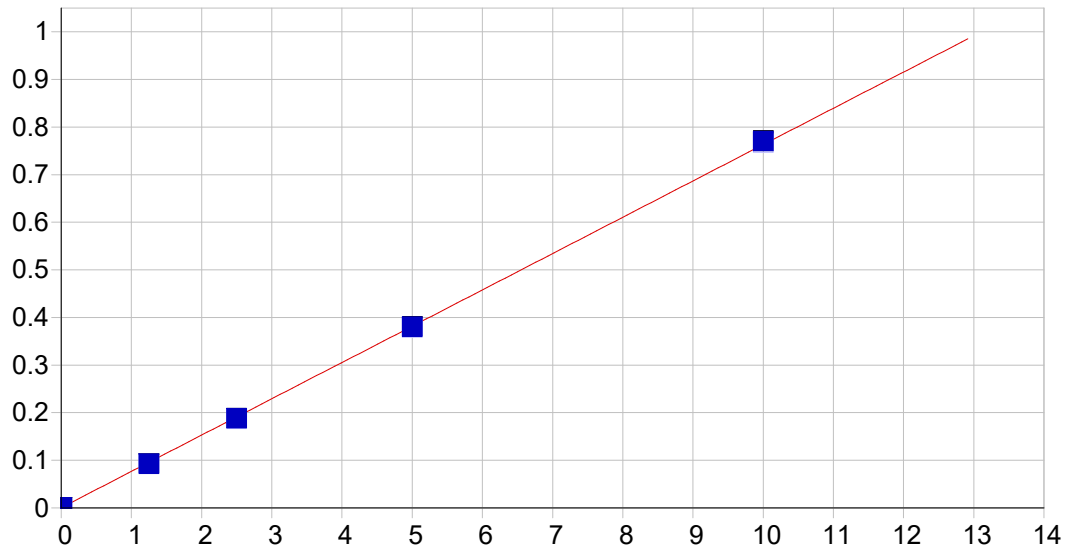


Si 251.611 {134}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002637 Re-Slope: 1.000000  
 A1 (Gain): 0.268454 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999865 Status: OK.  
 Std Error of Est: 0.000239  
 Predicted MDL: 0.001304  
 Predicted MQL: 0.004347

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00263 | .000    | 1        |
| S1        | .10000       | .11027      | .010       | 10.3    | .03259 | .000    | 1        |
| S2        | 1.2500       | 1.2967      | .047       | 3.74    | .35703 | .003    | 1        |
| S3        | 2.5000       | 2.5487      | .049       | 1.95    | .69940 | .002    | 1        |
| S4        | 5.0000       | 5.0164      | .016       | .328    | 1.3744 | .003    | 1        |
| S5        | 10.000       | 9.8780      | -.122      | -1.22   | 2.7047 | .011    | 1        |

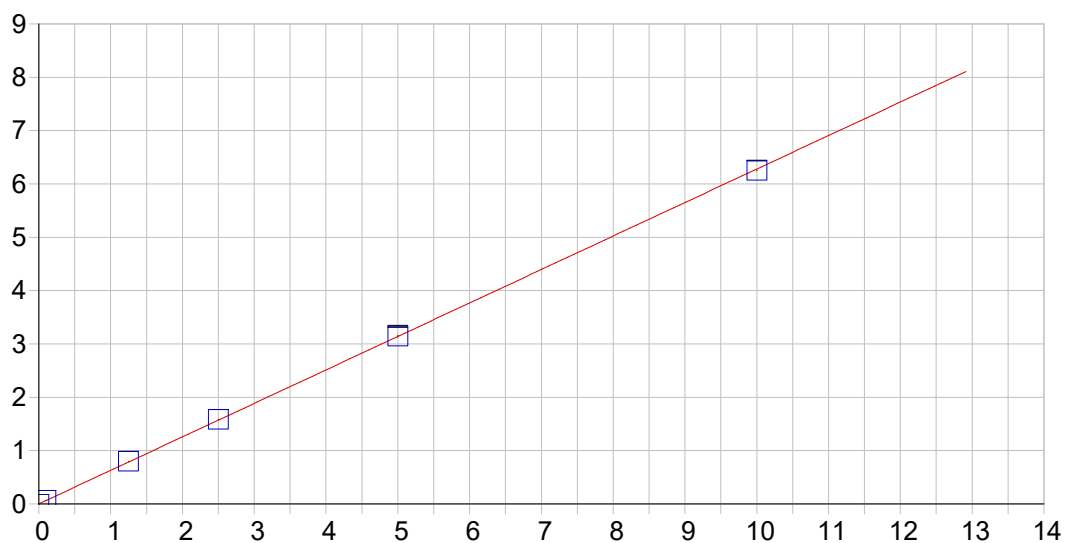


**Sn 189.989 {478}**

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000347 Re-Slope: 1.000000  
 A1 (Gain): 0.076278 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999920 Status: OK.  
 Std Error of Est: 0.000013  
 Predicted MDL: 0.002004  
 Predicted MQL: 0.006680

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00035 | .000    | 1        |
| S1        | .00700       | .00646      | -.001      | -7.74   | .00081 | .000    | 1        |
| S2        | 1.2500       | 1.2110      | -.039      | -3.12   | .09229 | .000    | 1        |
| S3        | 2.5000       | 2.4595      | -.041      | -1.62   | .18710 | .000    | 1        |
| S4        | 5.0000       | 4.9815      | -.018      | -.369   | .37863 | .001    | 1        |
| S5        | 10.000       | 10.099      | .099       | .985    | .76725 | .001    | 1        |

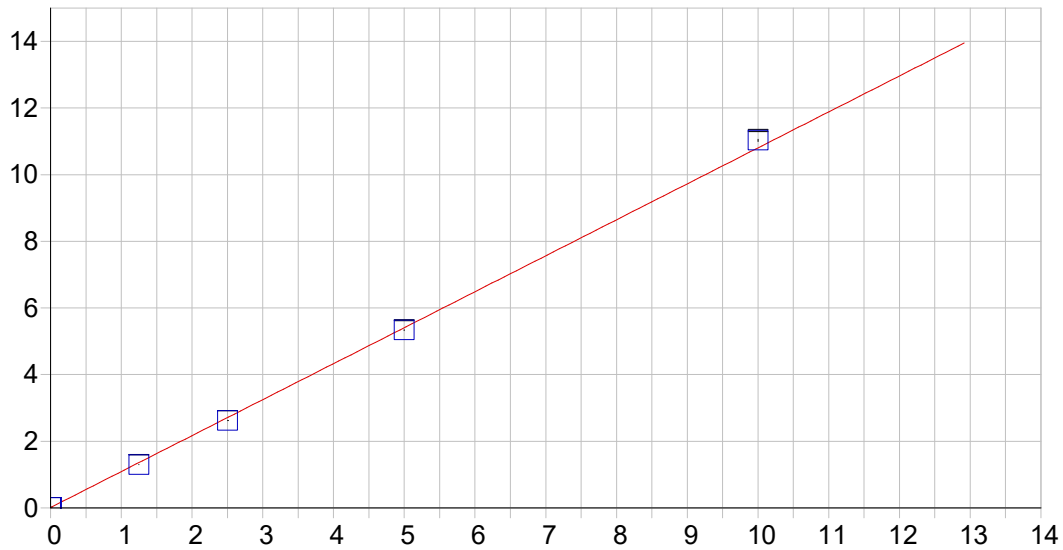


**Ti 336.121 {100}**

Date of Fit: 12/22/2020 13:37:59      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000945 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.627813 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999982 | Status:   | OK.      |
| Std Error of Est: | 0.000200 |           |          |
| Predicted MDL:    | 0.000972 |           |          |
| Predicted MQL:    | 0.003240 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00094 | .000    | 1        |
| S1        | .10000       | .09981      | -.000      | -.193   | .06360 | .001    | 1        |
| S2        | 1.2500       | 1.2693      | .019       | 1.54    | .79781 | .001    | 1        |
| S3        | 2.5000       | 2.5209      | .021       | .834    | 1.5836 | .001    | 1        |
| S4        | 5.0000       | 5.0046      | .005       | .092    | 3.1429 | .018    | 1        |
| S5        | 10.000       | 9.9555      | -.045      | -.445   | 6.2511 | .008    | 1        |

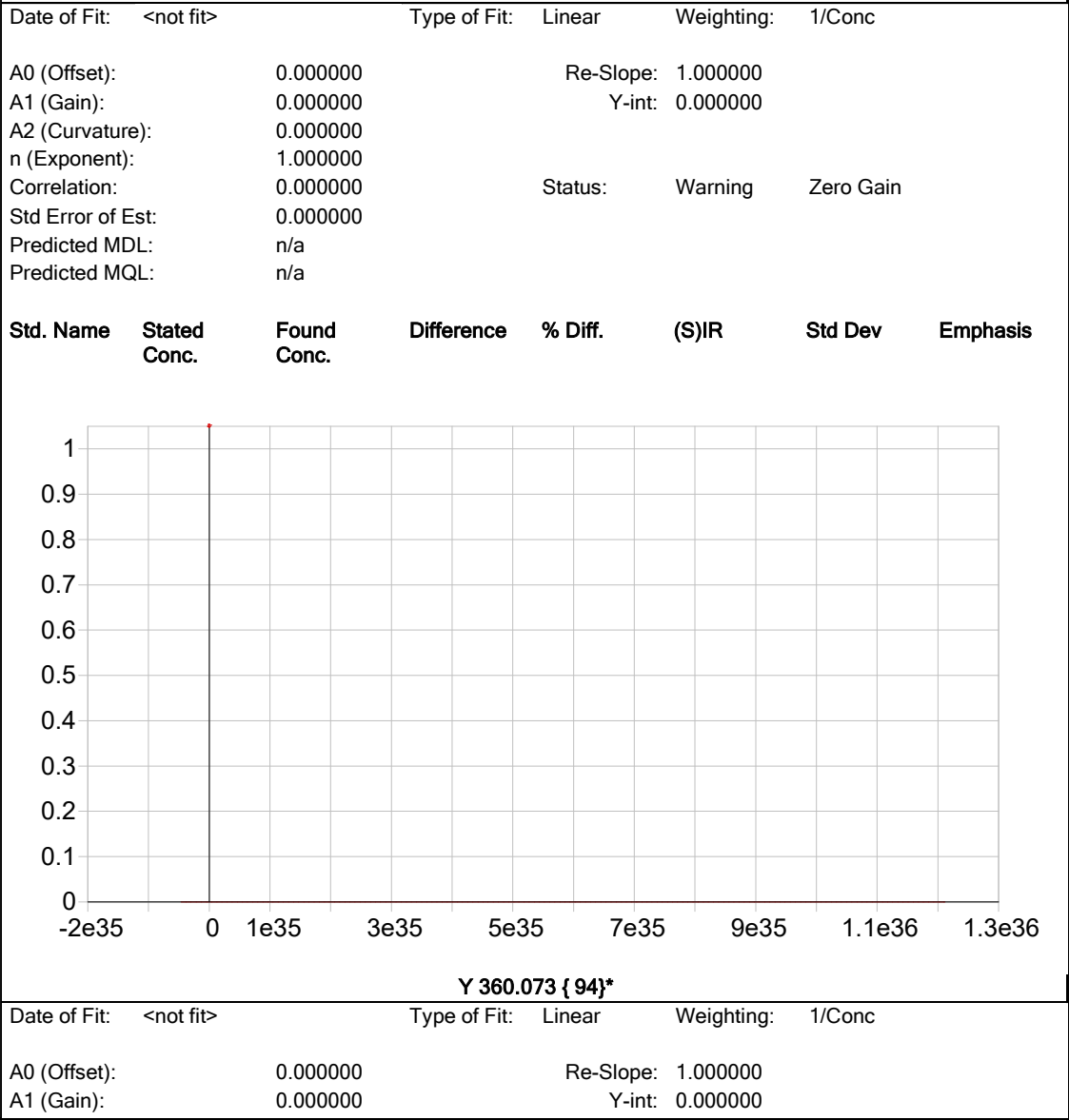
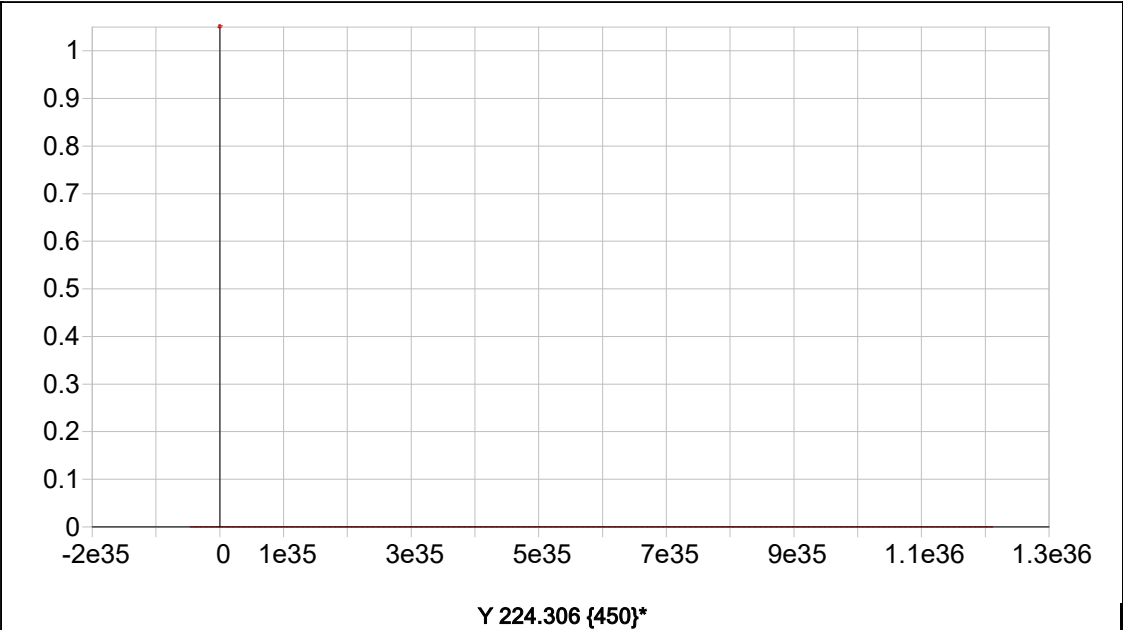


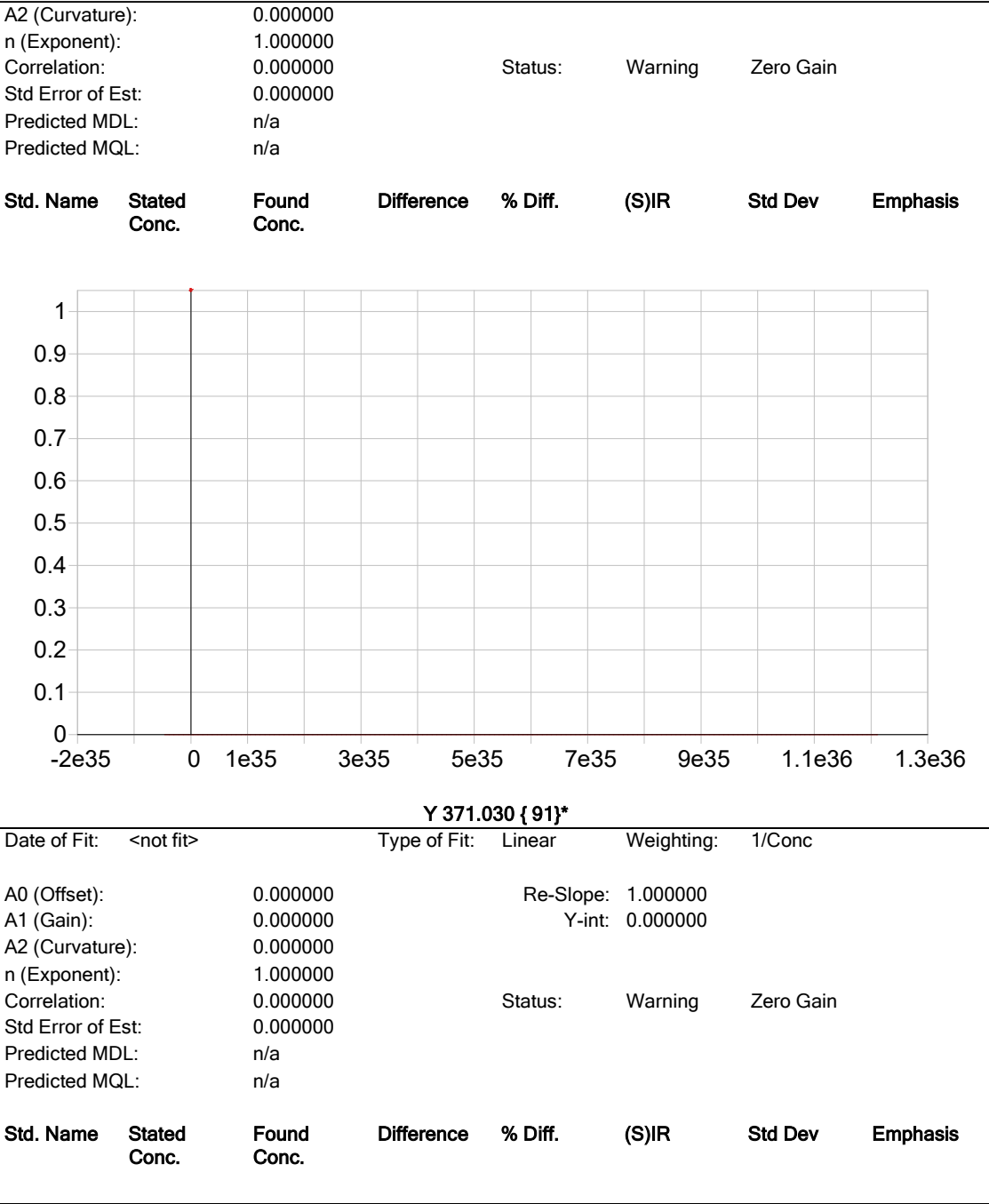
Li 670.784 { 50}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Linear Weighting: 1/Conc

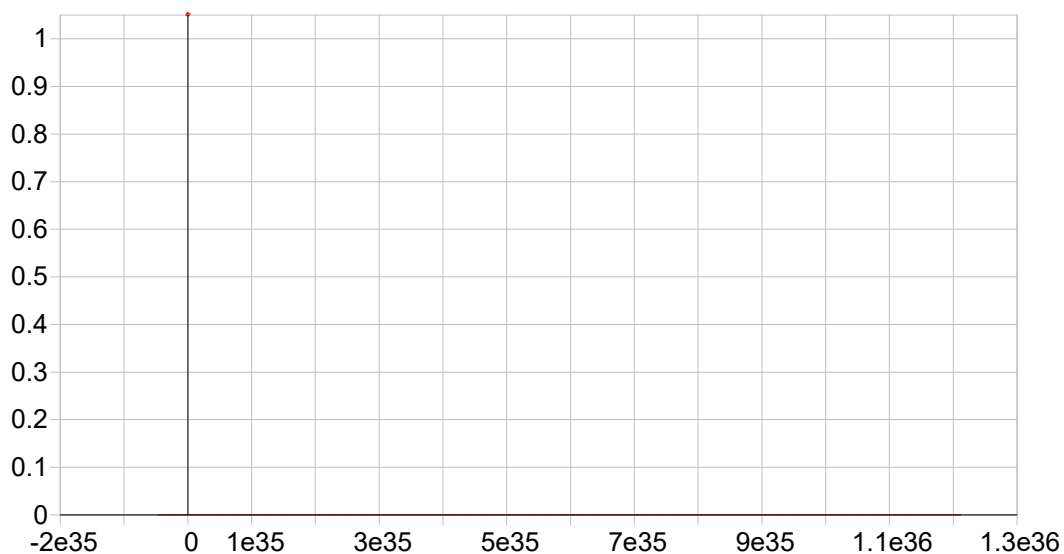
A0 (Offset): 0.011286 Re-Slope: 1.000000  
 A1 (Gain): 1.079336 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999713 Status: OK.  
 Std Error of Est: 0.000531  
 Predicted MDL: 0.001414  
 Predicted MQL: 0.004713

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .01129 | .001    | 1        |
| S5        | 10.000       | 10.209      | .209       | 2.09    | 11.031 | .032    | 1        |
| S4        | 5.0000       | 4.9323      | -.068      | -1.35   | 5.3349 | .013    | 1        |
| S3        | 2.5000       | 2.4155      | -.084      | -3.38   | 2.6184 | .002    | 1        |
| S2        | 1.2500       | 1.1940      | -.056      | -4.48   | 1.3000 | .002    | 1        |
| S1        | .01500       | .01370      | -.001      | -8.65   | .02608 | .001    | 1        |









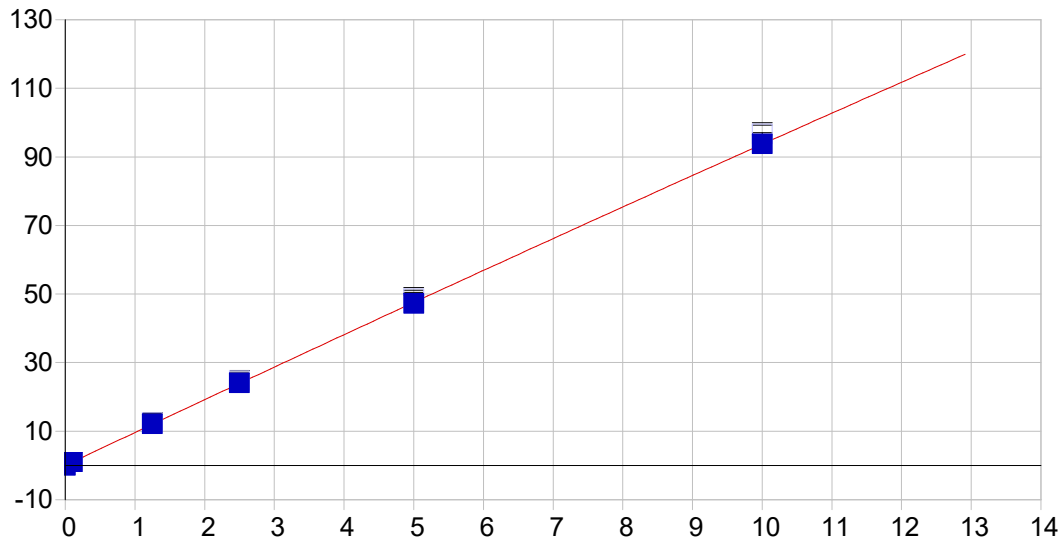
**Y 224.306 {150}\***

| 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  
 n (Exponent): 1.000000  
 Correlation: 0.000000  
 Std Error of Est: 0.000000  
 Predicted MDL: n/a  
 Predicted MQL: n/a

Status: Warning Zero Gain

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



Sr 407.771 { 83}

Date of Fit: 12/22/2020 13:37:59 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.000250 Re-Slope: 1.000000  
 A1 (Gain): 9.645545 Y-int: 0.000000  
 A2 (Curvature): -0.027669  
 n (Exponent): 1.000000  
 Correlation: 0.999987 Status: OK.  
 Std Error of Est: 0.003031  
 Predicted MDL: 0.000081  
 Predicted MQL: 0.000269

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00021 | .001    | 1        |
| S1        | .10000       | .10348      | .003       | 3.48    | .99907 | .000    | 1        |
| S2        | 1.2500       | 1.2579      | .008       | .630    | 12.451 | .013    | 1        |
| S3        | 2.5000       | 2.5106      | .011       | .423    | 24.765 | .023    | 1        |
| S4        | 5.0000       | 4.9629      | -.037      | -.742   | 48.636 | .396    | 1        |
| S5        | 10.000       | 10.015      | .015       | .153    | 96.721 | .305    | 1        |