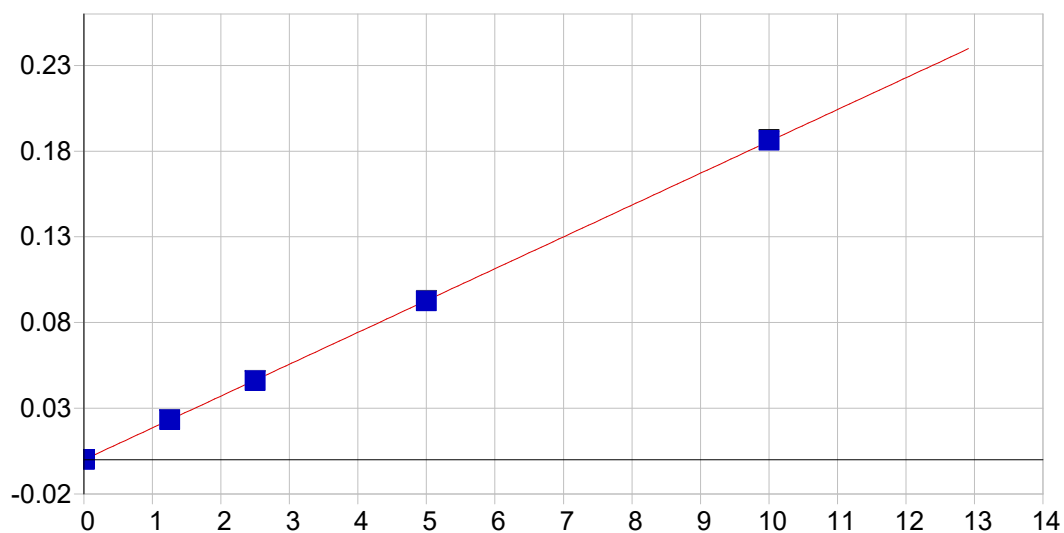


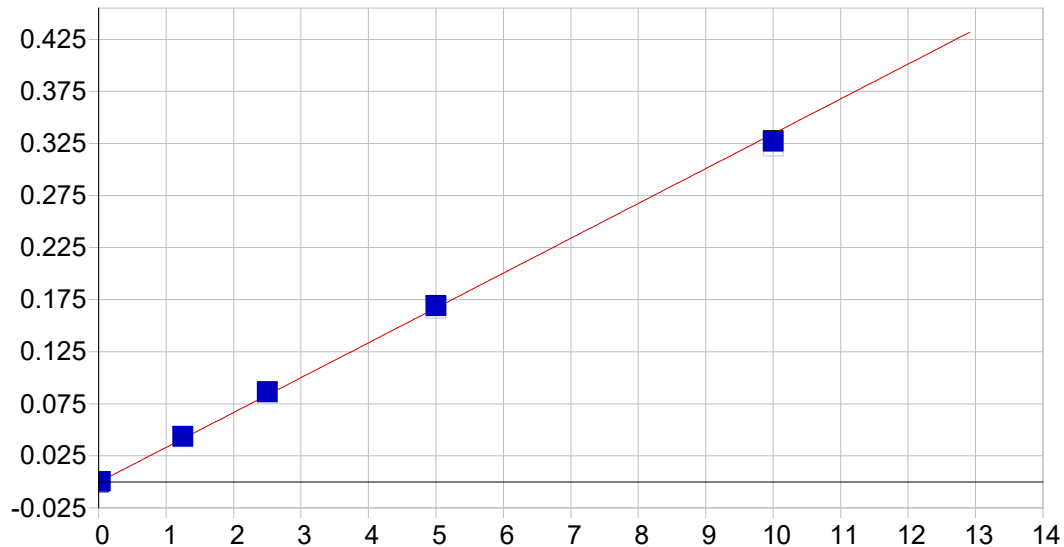


**As 189.042 {479}**

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000017 Re-Slope: 1.000000  
 A1 (Gain): 0.018568 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999988 Status: OK.  
 Std Error of Est: 0.000001  
 Predicted MDL: 0.007179  
 Predicted MQL: 0.023929

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00002 | .000    | 1        |
| S1        | .01000       | .01086      | .001       | 8.60    | .00018  | .000    | 1        |
| S2        | 1.2500       | 1.2564      | .006       | .514    | .02332  | .000    | 1        |
| S3        | 2.5000       | 2.4790      | -.021      | -.842   | .04602  | .000    | 1        |
| S4        | 5.0000       | 4.9832      | -.017      | -.336   | .09253  | .000    | 1        |
| S5        | 10.000       | 10.031      | .031       | .305    | .18626  | .000    | 1        |

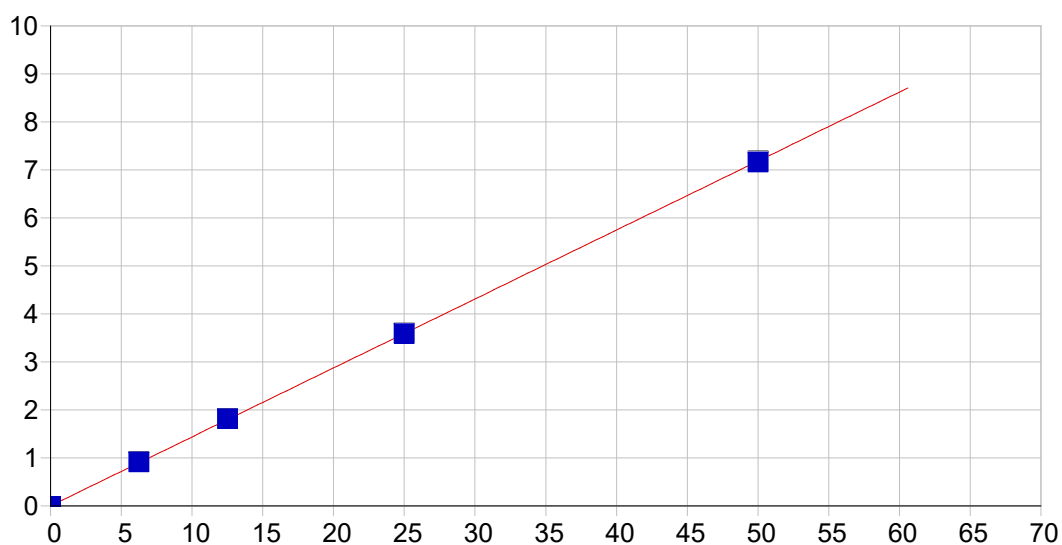


TI 190.856 {477}

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000350 Re-Slope: 1.000000  
 A1 (Gain): 0.033463 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999643 Status: OK.  
 Std Error of Est: 0.000023  
 Predicted MDL: 0.004488  
 Predicted MQL: 0.014961

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00035 | .000    | 1        |
| S1        | .02500       | .02958      | .005       | 18.3    | .00059  | .000    | 1        |
| S2        | 1.2500       | 1.3154      | .065       | 5.23    | .04306  | .000    | 1        |
| S3        | 2.5000       | 2.5904      | .090       | 3.62    | .08512  | .000    | 1        |
| S4        | 5.0000       | 5.0587      | .059       | 1.17    | .16651  | .001    | 1        |
| S5        | 10.000       | 9.7811      | -.219      | -2.19   | .32212  | .001    | 1        |

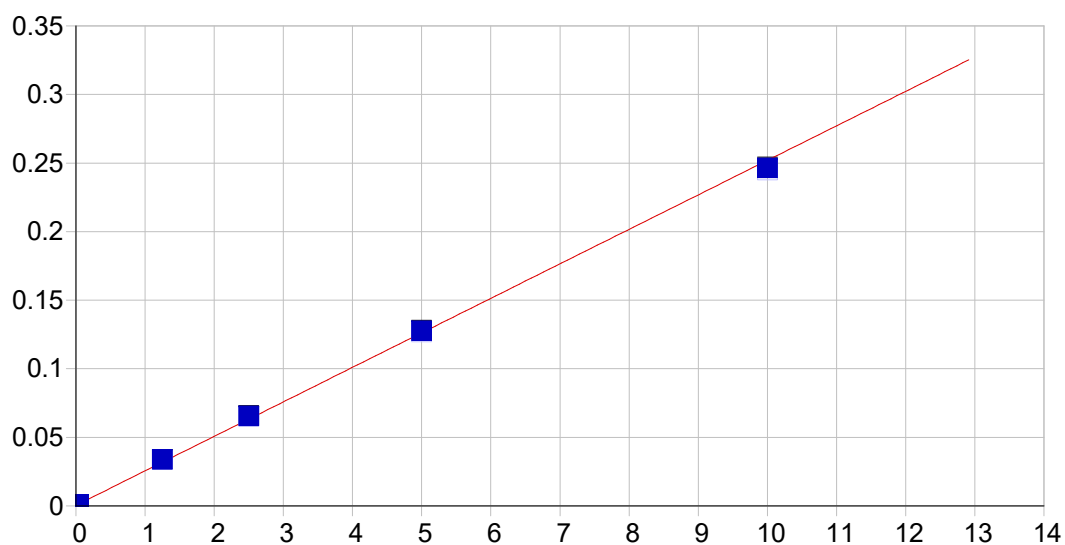


# **Pb 220.353 {453}**

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.001082 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.143668 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999985 | Status:   | OK.      |
| Std Error of Est: | 0.000030 |           |          |
| Predicted MDL:    | 0.002263 |           |          |
| Predicted MQL:    | 0.007543 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00108 | .000    | 1        |
| S1        | .01000       | .00831      | -.002      | -16.9   | .00228 | .000    | 1        |
| S2        | 6.2500       | 6.3361      | .086       | 1.38    | .91308 | .002    | 1        |
| S3        | 12.500       | 12.603      | .103       | .826    | 1.8152 | .005    | 1        |
| S4        | 25.000       | 24.968      | -.032      | -.127   | 3.5950 | .002    | 1        |
| S5        | 50.000       | 49.844      | -.156      | -.312   | 7.1756 | .009    | 1        |

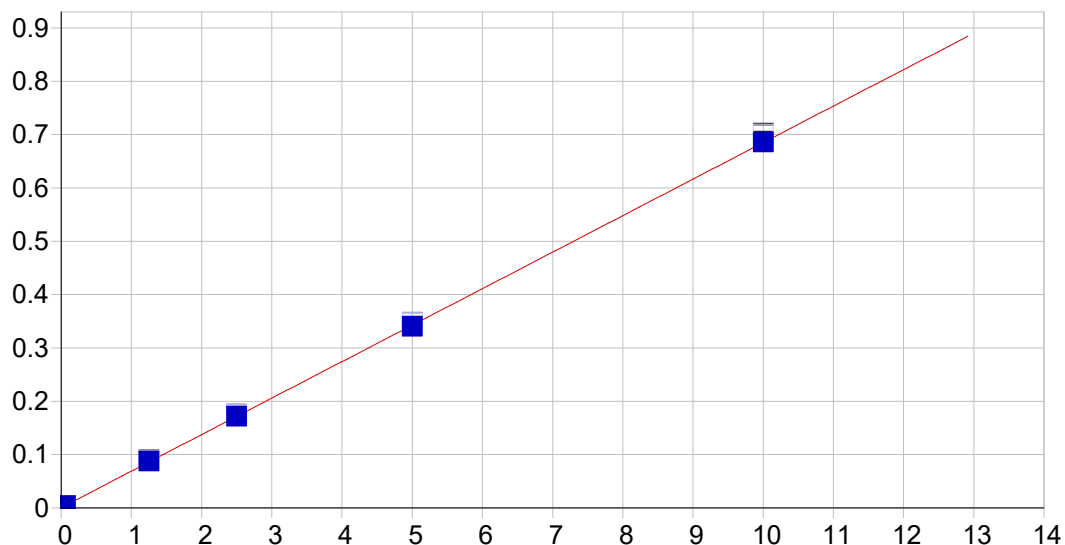


Se 196.090 {472}

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000414 Re-Slope: 1.000000  
 A1 (Gain): 0.025154 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999629 Status: OK.  
 Std Error of Est: 0.000021  
 Predicted MDL: 0.006471  
 Predicted MQL: 0.021569

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00041 | .000    | 1        |
| S1        | .03500       | .03450      | -.000      | -1.42   | .00128 | .000    | 1        |
| S2        | 1.2500       | 1.3312      | .081       | 6.50    | .03368 | .000    | 1        |
| S3        | 2.5000       | 2.5869      | .087       | 3.48    | .06506 | .000    | 1        |
| S4        | 5.0000       | 5.0534      | .053       | 1.07    | .12667 | .001    | 1        |
| S5        | 10.000       | 9.7789      | -.221      | -2.21   | .24468 | .001    | 1        |

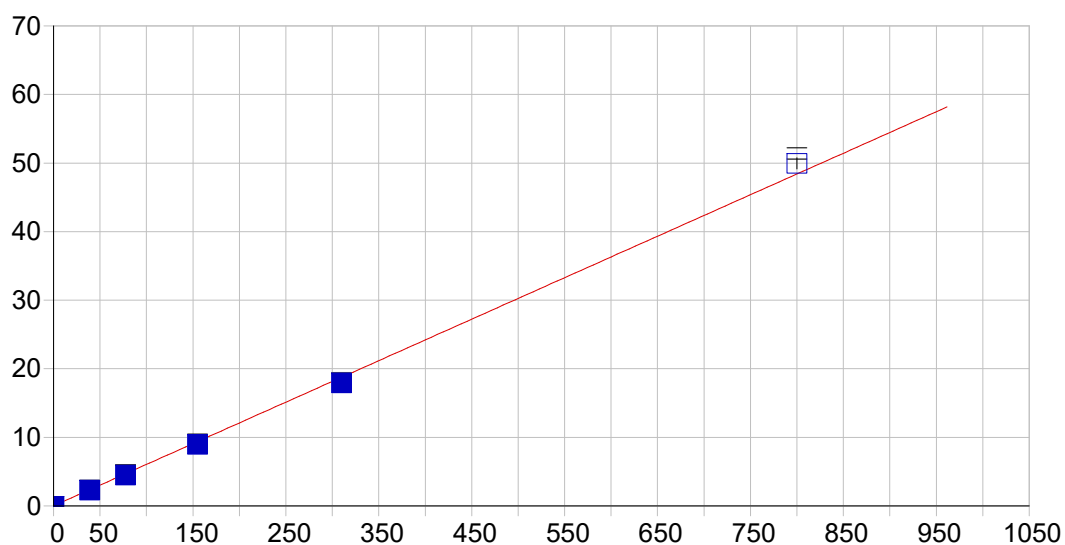


**Sb 206.833 {463}**

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000475 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.068439 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999982 | Status:   | OK.      |
| Std Error of Est: | 0.000017 |           |          |
| Predicted MDL:    | 0.002997 |           |          |
| Predicted MQL:    | 0.009990 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00048 | .000    | 1        |
| S1        | .06000       | .05855      | -.001      | -2.42   | .00449 | .000    | 1        |
| S2        | 1.2500       | 1.2718      | .022       | 1.74    | .08940 | .000    | 1        |
| S3        | 2.5000       | 2.5014      | .001       | .057    | .17543 | .001    | 1        |
| S4        | 5.0000       | 4.9644      | -.036      | -.712   | .34776 | .000    | 1        |
| S5        | 10.000       | 10.014      | .014       | .138    | .70087 | .002    | 1        |

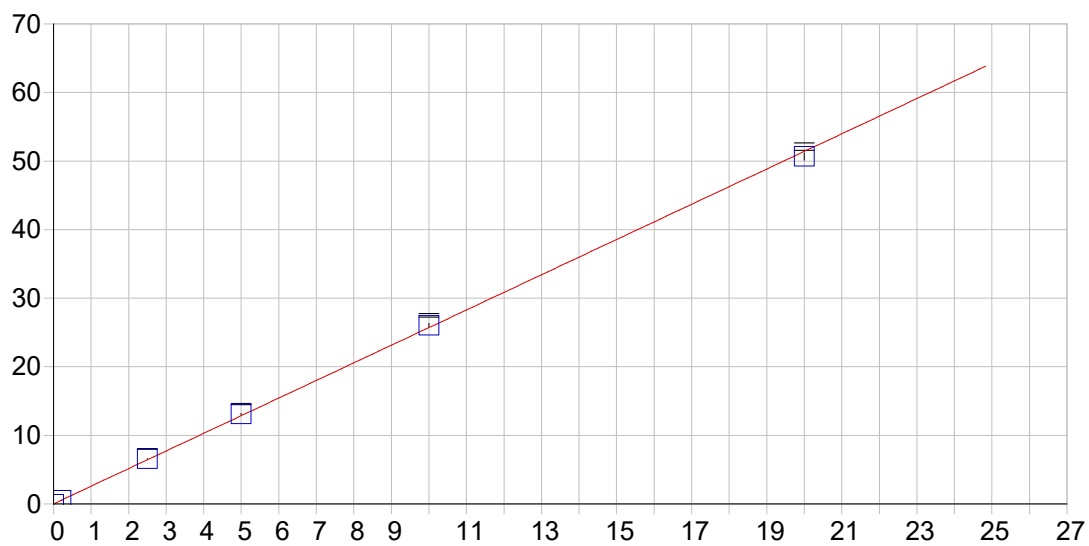


AI 396.152 { 85}

Date of Fit: 01/31/2023 12:31:21 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002219 Re-Slope: 1.000000  
 A1 (Gain): 0.060504 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999297 Status: OK.  
 Std Error of Est: 0.001411  
 Predicted MDL: 0.011713  
 Predicted MQL: 0.039044

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00004      | .000       | .000    | .00222 | .000    | 1        |
| S1        | .20000       | .18807      | -.012      | -5.97   | .01362 | .000    | 1        |
| S2        | 38.750       | 37.414      | -1.34      | -3.45   | 2.2686 | .006    | 1        |
| S3        | 77.500       | 74.104      | -3.40      | -4.38   | 4.4911 | .023    | 1        |
| S4        | 155.00       | 148.09      | -6.91      | -4.46   | 8.9726 | .030    | 1        |
| S5        | 310.00       | 296.10      | -13.9      | -4.48   | 17.939 | .064    | 1        |
| S6        | 800.00       | 825.58      | 25.6       | 3.20    | 49.954 | .801    | 1        |

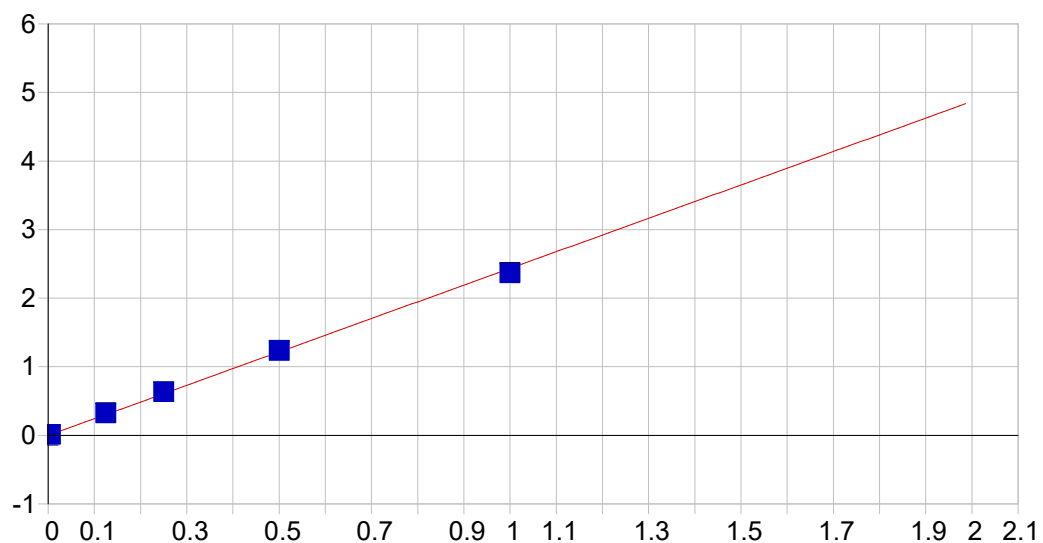


**Ba 493.409 { 68}**

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.014151 Re-Slope: 1.000000  
 A1 (Gain): 2.569576 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999877 Status: OK.  
 Std Error of Est: 0.004282  
 Predicted MDL: 0.000579  
 Predicted MQL: 0.001930

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .01413 | .001    | 1        |
| S1        | .20000       | .19962      | -.000      | -.192   | .52708 | .004    | 1        |
| S2        | 2.5000       | 2.5577      | .058       | 2.31    | 6.5863 | .039    | 1        |
| S3        | 5.0000       | 5.0960      | .096       | 1.92    | 13.109 | .091    | 1        |
| S4        | 10.000       | 10.137      | .137       | 1.37    | 26.062 | .246    | 1        |
| S5        | 20.000       | 19.710      | -.290      | -1.45   | 50.660 | .541    | 1        |

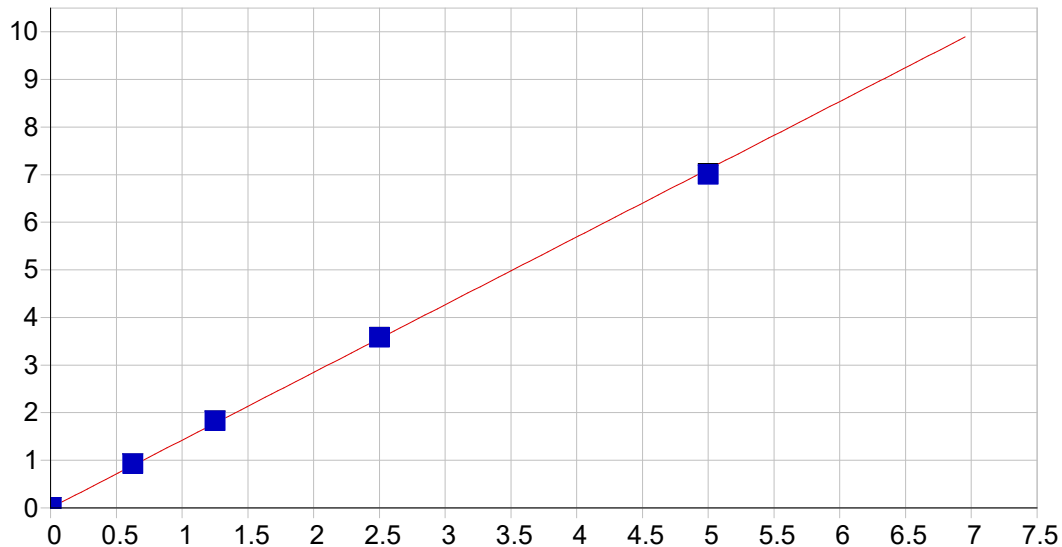


### Be 234.861 {144}

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.001538 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 2.435630  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999488  | Status:   | OK.      |
| Std Error of Est: | 0.000292  |           |          |
| Predicted MDL:    | 0.000110  |           |          |
| Predicted MQL:    | 0.000366  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00154 | .000    | 1        |
| S1        | .00500       | .00522      | .000       | 4.38    | .01117  | .000    | 1        |
| S2        | .12500       | .13344      | .008       | 6.75    | .32257  | .001    | 1        |
| S3        | .25000       | .26060      | .011       | 4.24    | .63138  | .007    | 1        |
| S4        | .50000       | .50815      | .008       | 1.63    | 1.2325  | .004    | 1        |
| S5        | 1.0000       | .97259      | -.027      | -2.74   | 2.3601  | .008    | 1        |

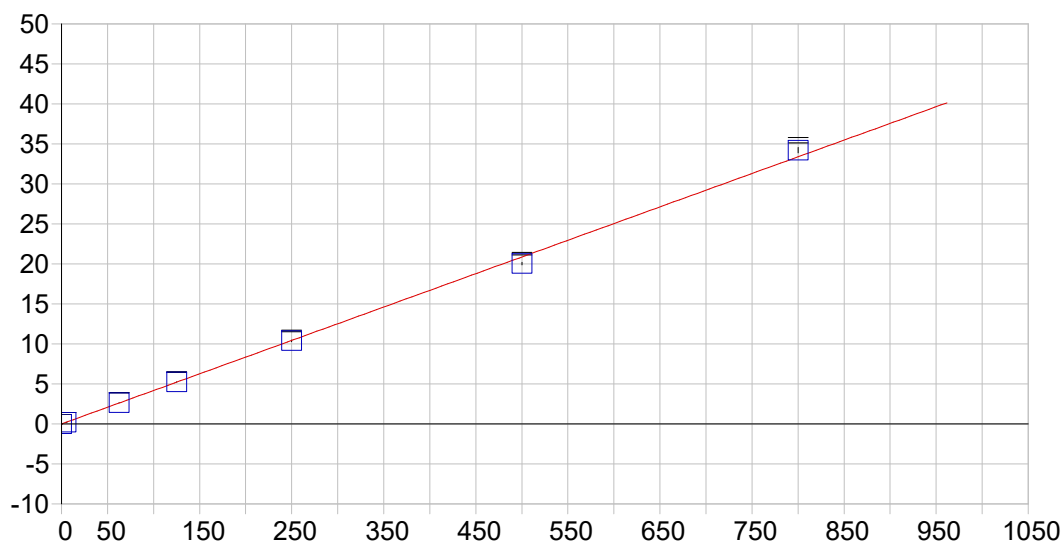


**Cd 214.438 {457}**

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000331 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 1.422825 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999827 | Status:   | OK.      |
| Std Error of Est: | 0.000222 |           |          |
| Predicted MDL:    | 0.000141 |           |          |
| Predicted MQL:    | 0.000470 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00033 | .000    | 1        |
| S1        | .00500       | .00529      | .000       | 5.89    | .00786 | .000    | 1        |
| S2        | .62500       | .65100      | .026       | 4.16    | .92659 | .000    | 1        |
| S3        | 1.2500       | 1.2832      | .033       | 2.66    | 1.8261 | .002    | 1        |
| S4        | 2.5000       | 2.5164      | .016       | .655    | 3.5807 | .002    | 1        |
| S5        | 5.0000       | 4.9241      | -.076      | -1.52   | 7.0065 | .015    | 1        |

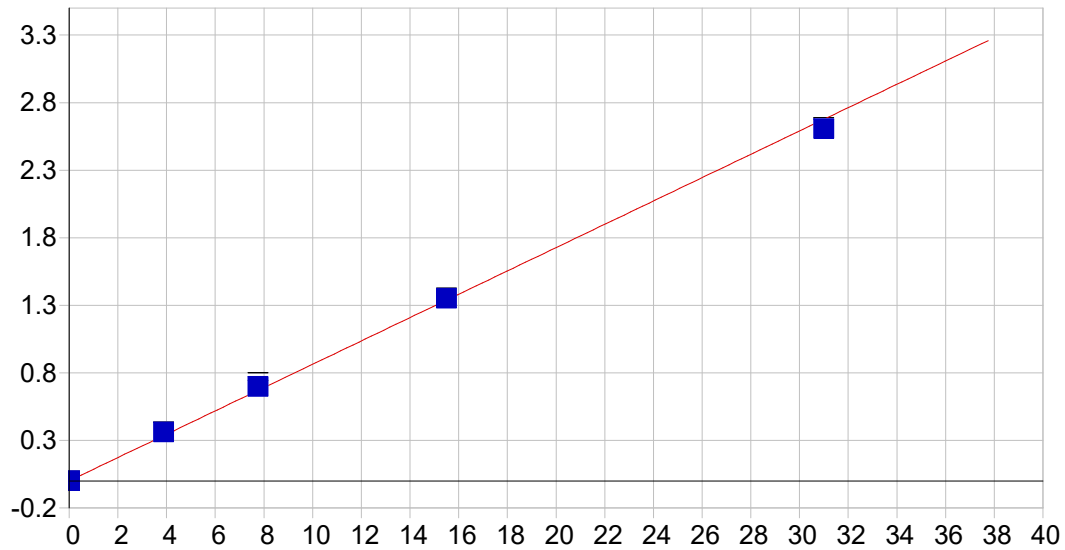


Ca 373.690 { 90}

Date of Fit: 01/31/2023 12:31:21 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000111 Re-Slope: 1.000000  
 A1 (Gain): 0.041734 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999631 Status: OK.  
 Std Error of Est: 0.003960  
 Predicted MDL: 0.016654  
 Predicted MQL: 0.055513

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00004      | .000       | .000    | .00011 | .001    | 1        |
| S1        | 5.0000       | 4.9577      | -.042      | -.845   | .20702 | .002    | 1        |
| S2        | 62.500       | 63.654      | 1.15       | 1.85    | 2.6567 | .015    | 1        |
| S3        | 125.00       | 125.23      | .226       | .181    | 5.2263 | .039    | 1        |
| S4        | 250.00       | 248.72      | -1.28      | -.511   | 10.380 | .107    | 1        |
| S5        | 500.00       | 480.29      | -19.7      | -3.94   | 20.045 | .167    | 1        |
| S6        | 800.00       | 819.64      | 19.6       | 2.46    | 34.207 | .338    | 1        |

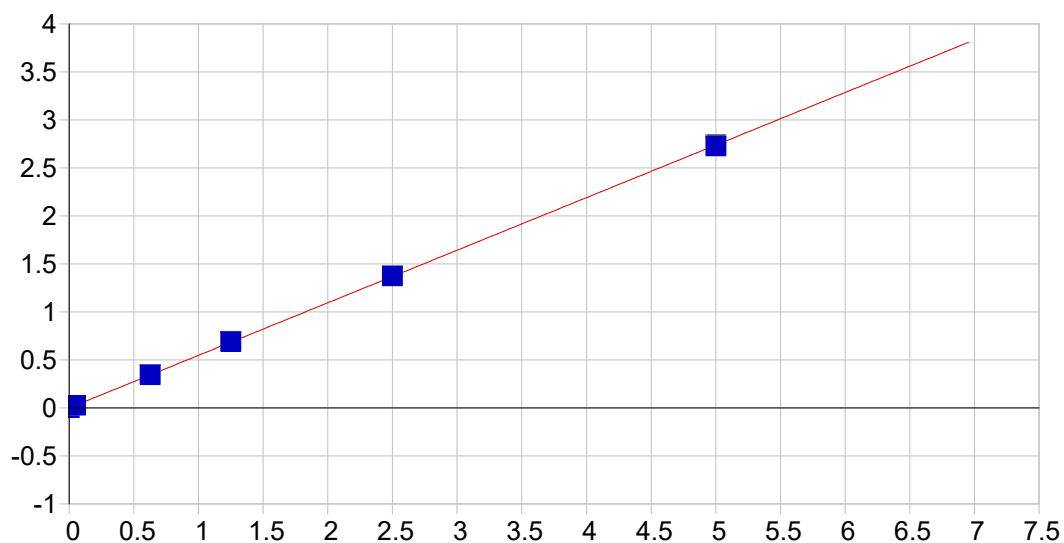


**Cr 267.716 {126}**

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000007 Re-Slope: 1.000000  
 A1 (Gain): 0.086341 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999483 Status: OK.  
 Std Error of Est: 0.000082  
 Predicted MDL: 0.000651  
 Predicted MQL: 0.002170

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00001 | .000    | 1        |
| S1        | .01000       | .01054      | .001       | 5.37    | .00090  | .000    | 1        |
| S2        | 3.8750       | 4.1764      | .301       | 7.78    | .36088  | .000    | 1        |
| S3        | 7.7500       | 8.0922      | .342       | 4.42    | .69927  | .028    | 1        |
| S4        | 15.500       | 15.649      | .149       | .963    | 1.3523  | .000    | 1        |
| S5        | 31.000       | 30.207      | -.793      | -2.56   | 2.6104  | .007    | 1        |

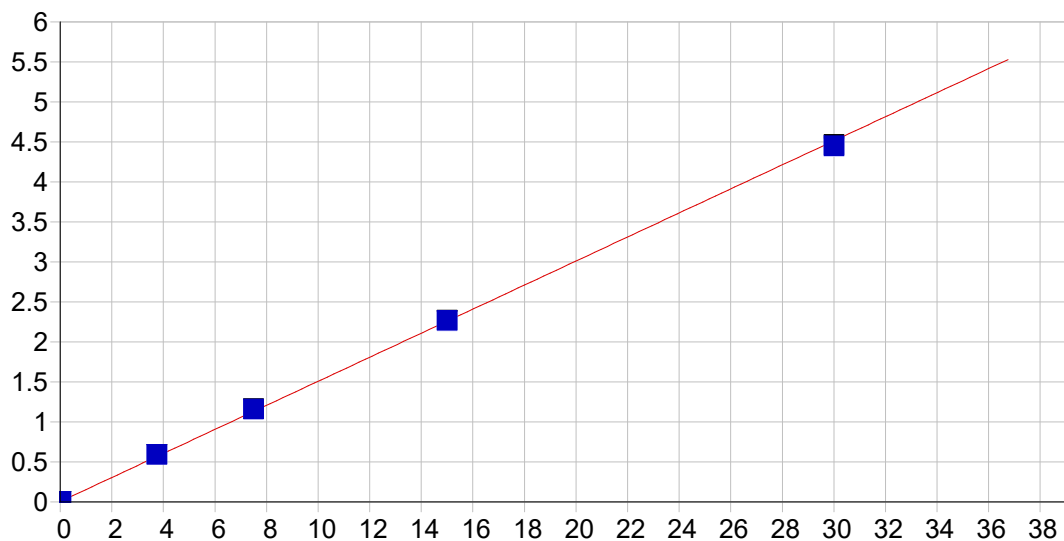


**Co 228.616 {448}**

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000022 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.547699  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999990  | Status:   | OK.      |
| Std Error of Est: | 0.000064  |           |          |
| Predicted MDL:    | 0.000403  |           |          |
| Predicted MQL:    | 0.001342  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00002 | .000    | 1        |
| S1        | .05000       | .04938      | -.001      | -1.24   | .02713  | .000    | 1        |
| S2        | .62500       | .62920      | .004       | .673    | .34595  | .001    | 1        |
| S3        | 1.2500       | 1.2584      | .008       | .671    | .69191  | .002    | 1        |
| S4        | 2.5000       | 2.5069      | .007       | .276    | 1.3784  | .002    | 1        |
| S5        | 5.0000       | 4.9811      | -.019      | -.378   | 2.7390  | .003    | 1        |

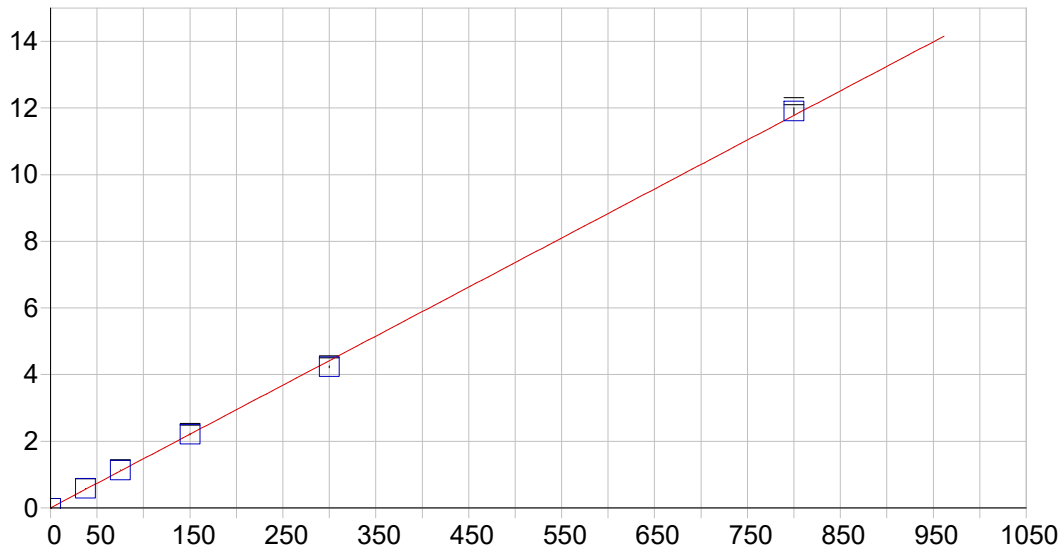


**Cu 324.754 {104}**

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.004200 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.150329 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999826 | Status:   | OK.      |
| Std Error of Est: | 0.000128 |           |          |
| Predicted MDL:    | 0.002859 |           |          |
| Predicted MQL:    | 0.009530 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00420 | .001    | 1        |
| S1        | .02500       | .01839      | -.007      | -26.5   | .00695 | .000    | 1        |
| S2        | 3.7500       | 3.9149      | .165       | 4.40    | .59106 | .001    | 1        |
| S3        | 7.5000       | 7.6897      | .190       | 2.53    | 1.1569 | .005    | 1        |
| S4        | 15.000       | 15.057      | .057       | .379    | 2.2610 | .006    | 1        |
| S5        | 30.000       | 29.595      | -.405      | -1.35   | 4.4399 | .016    | 1        |

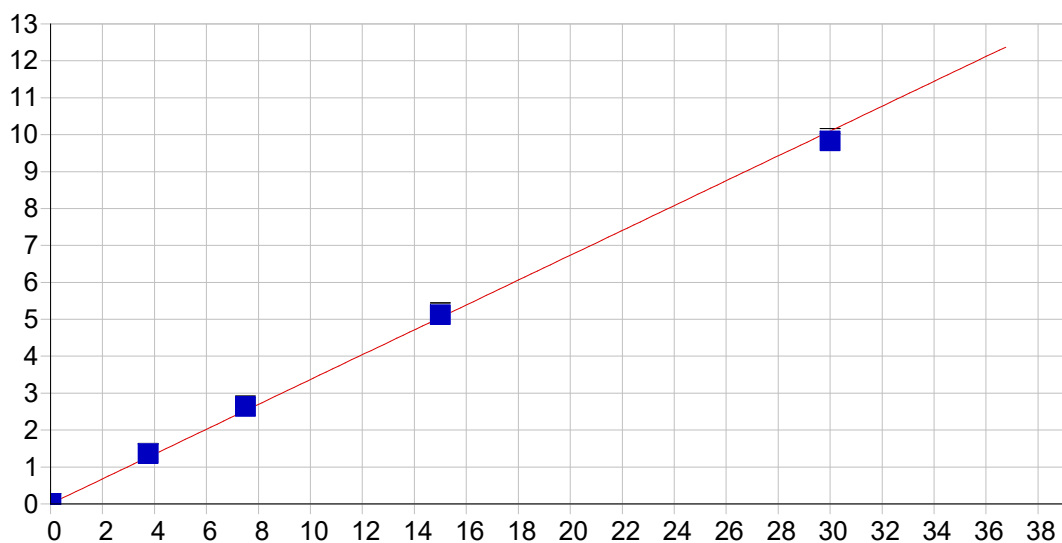


### Fe 259.837 {130}

Date of Fit: 01/31/2023 12:31:21 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003116 Re-Slope: 1.000000  
 A1 (Gain): 0.014719 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999715 Status: OK.  
 Std Error of Est: 0.000153  
 Predicted MDL: 0.012828  
 Predicted MQL: 0.042759

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | .00312 | .000    | 1        |
| S1        | .10000       | .07145      | -.029      | -28.6   | .00417 | .000    | 1        |
| S2        | 37.500       | 39.400      | 1.90       | 5.07    | .58304 | .004    | 1        |
| S3        | 75.000       | 76.897      | 1.90       | 2.53    | 1.1349 | .006    | 1        |
| S4        | 150.00       | 150.13      | .130       | .087    | 2.2129 | .020    | 1        |
| S5        | 300.00       | 287.39      | -12.6      | -4.20   | 4.2331 | .028    | 1        |
| S6        | 800.00       | 808.71      | 8.71       | 1.09    | 11.906 | .106    | 1        |

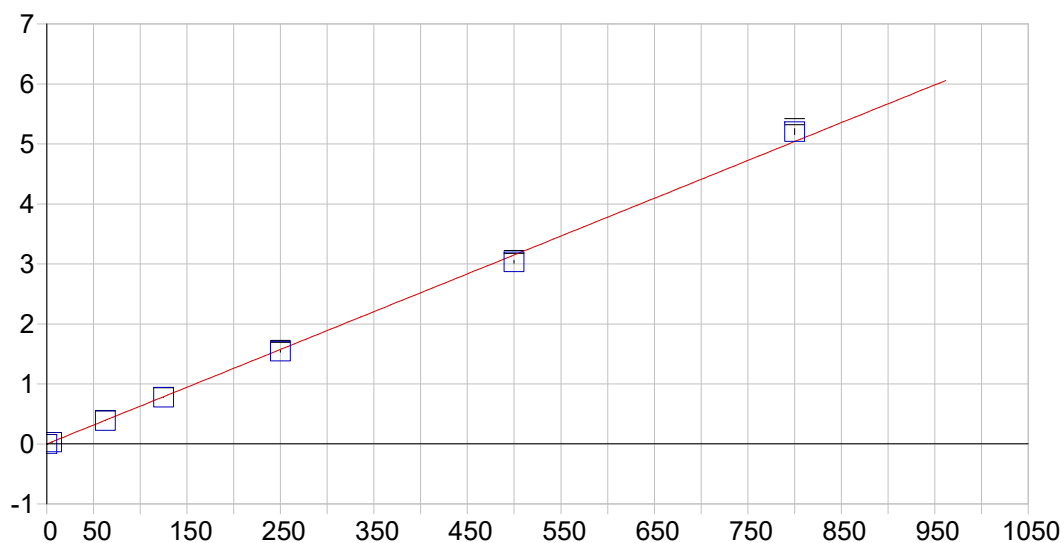


**Mn 257.610 {131}**

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.003878 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.336464 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999472 | Status:   | OK.      |
| Std Error of Est: | 0.000389 |           |          |
| Predicted MDL:    | 0.000632 |           |          |
| Predicted MQL:    | 0.002106 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00388 | .000    | 1        |
| S1        | .01500       | .01509      | .000       | .605    | .00896 | .000    | 1        |
| S2        | 3.7500       | 4.0312      | .281       | 7.50    | 1.3602 | .006    | 1        |
| S3        | 7.5000       | 7.8214      | .321       | 4.29    | 2.6355 | .019    | 1        |
| S4        | 15.000       | 15.206      | .206       | 1.37    | 5.1202 | .056    | 1        |
| S5        | 30.000       | 29.191      | -.809      | -2.70   | 9.8256 | .071    | 1        |

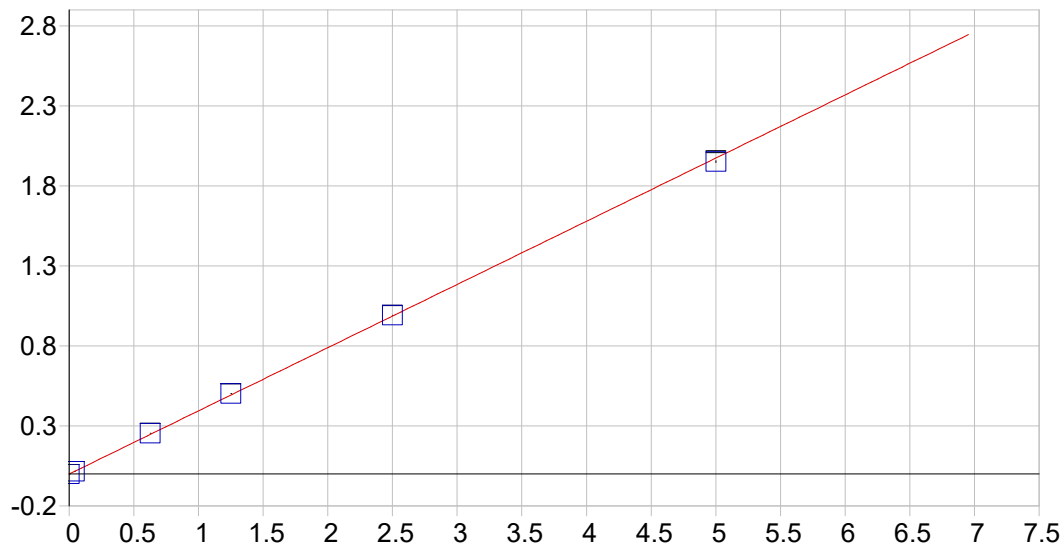


### Mg 279.079 {121}

Date of Fit: 01/31/2023 12:31:21      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000236 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.006299  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999514  | Status:   | OK.      |
| Std Error of Est: | 0.000686  |           |          |
| Predicted MDL:    | 0.036283  |           |          |
| Predicted MQL:    | 0.120943  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00046      | .000       | .000    | -.00023 | .000    | 1        |
| S1        | 5.0000       | 4.7969      | -.203      | -4.06   | .02998  | .000    | 1        |
| S2        | 62.500       | 61.756      | -.744      | -1.19   | .38876  | .002    | 1        |
| S3        | 125.00       | 122.90      | -2.10      | -1.68   | .77389  | .005    | 1        |
| S4        | 250.00       | 245.15      | -4.85      | -1.94   | 1.5440  | .014    | 1        |
| S5        | 500.00       | 481.55      | -18.5      | -3.69   | 3.0330  | .023    | 1        |
| S6        | 800.00       | 826.35      | 26.3       | 3.29    | 5.2049  | .050    | 1        |

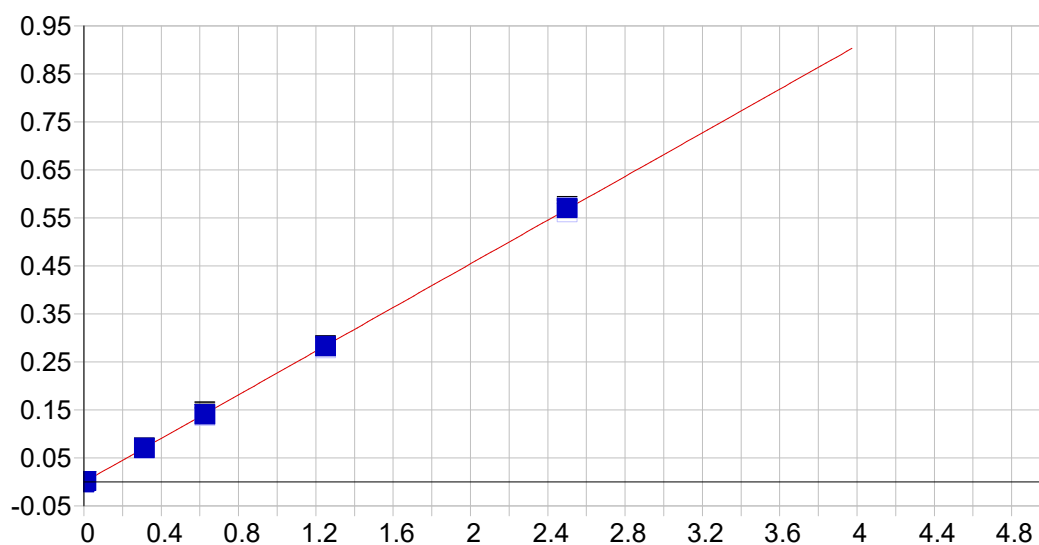


**Ni 231.604 {446}**

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000778 Re-Slope: 1.000000  
 A1 (Gain): 0.394931 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999905 Status: OK.  
 Std Error of Est: 0.000129  
 Predicted MDL: 0.000636  
 Predicted MQL: 0.002120

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00078 | .000    | 1        |
| S1        | .04000       | .04092      | .001       | 2.31    | .01538  | .000    | 1        |
| S2        | .62500       | .64470      | .020       | 3.15    | .25383  | .000    | 1        |
| S3        | 1.2500       | 1.2741      | .024       | 1.93    | .50240  | .000    | 1        |
| S4        | 2.5000       | 2.5115      | .012       | .461    | .99110  | .000    | 1        |
| S5        | 5.0000       | 4.9438      | -.056      | -1.12   | 1.9517  | .006    | 1        |

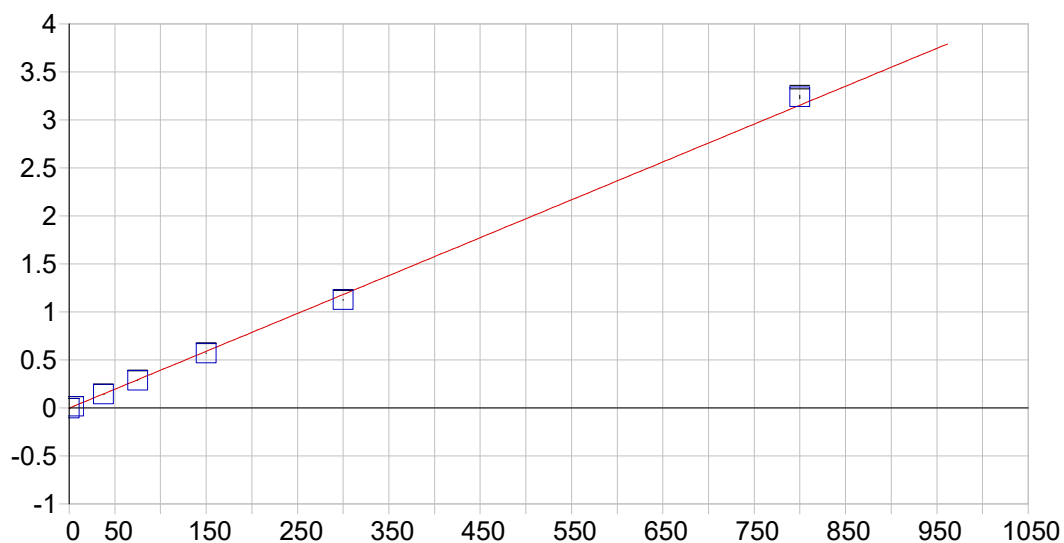


**Ag 328.068 {103}**

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000499 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.227419  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999986  | Status:   | OK.      |
| Std Error of Est: | 0.000010  |           |          |
| Predicted MDL:    | 0.000487  |           |          |
| Predicted MQL:    | 0.001622  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00050 | .000    | 1        |
| S1        | .01000       | .00972      | -.000      | -2.84   | .00170  | .000    | 1        |
| S2        | .31250       | .31151      | -.001      | -.316   | .06929  | .001    | 1        |
| S3        | .62500       | .61953      | -.005      | -.875   | .13829  | .005    | 1        |
| S4        | 1.2500       | 1.2454      | -.005      | -.370   | .27851  | .001    | 1        |
| S5        | 2.5000       | 2.5114      | .011       | .455    | .56221  | .003    | 1        |

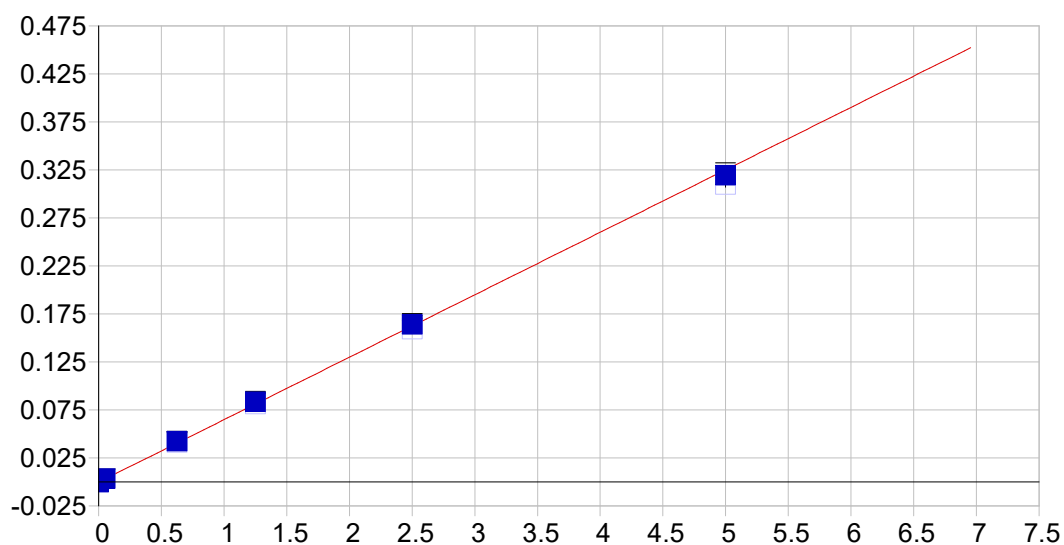


Na 818.326 { 41}

Date of Fit: 01/31/2023 12:31:21      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.002146 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.003945  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999466  | Status:   | OK.      |
| Std Error of Est: | 0.000399  |           |          |
| Predicted MDL:    | 0.316385  |           |          |
| Predicted MQL:    | 1.054618  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00077      | .001       | .000    | -.00214 | .000    | 1        |
| S1        | 5.0000       | 4.6713      | -.329      | -6.57   | .01628  | .002    | 1        |
| S2        | 37.500       | 37.020      | -.480      | -1.28   | .14390  | .001    | 1        |
| S3        | 75.000       | 73.310      | -1.69      | -2.25   | .28706  | .003    | 1        |
| S4        | 150.00       | 145.20      | -4.80      | -3.20   | .57065  | .003    | 1        |
| S5        | 300.00       | 285.85      | -14.1      | -4.72   | 1.1255  | .005    | 1        |
| S6        | 800.00       | 821.45      | 21.4       | 2.68    | 3.2384  | .019    | 1        |

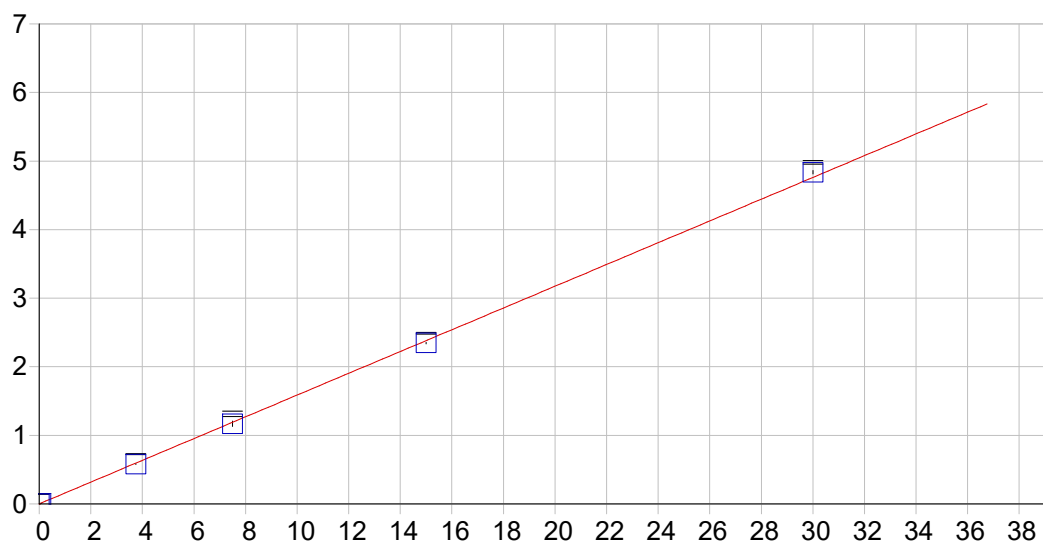


**V 292.402 {115}**

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000242 Re-Slope: 1.000000  
 A1 (Gain): 0.065065 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999751 Status: OK.  
 Std Error of Est: 0.000037  
 Predicted MDL: 0.004258  
 Predicted MQL: 0.014193

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00024 | .000    | 1        |
| S1        | .05000       | .05427      | .004       | 8.54    | .00328  | .000    | 1        |
| S2        | .62500       | .65319      | .028       | 4.51    | .04107  | .000    | 1        |
| S3        | 1.2500       | 1.2849      | .035       | 2.79    | .08099  | .001    | 1        |
| S4        | 2.5000       | 2.5223      | .022       | .891    | .15913  | .001    | 1        |
| S5        | 5.0000       | 4.9102      | -.090      | -1.80   | .30976  | .003    | 1        |

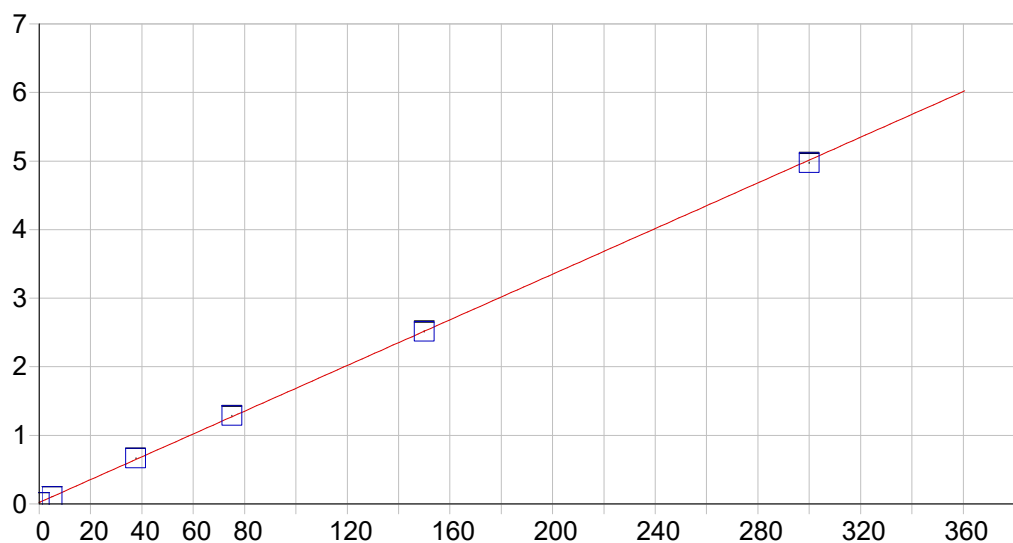


**Zn 213.856 {158}**

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000682 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.158682 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999855 | Status:   | OK.      |
| Std Error of Est: | 0.000192 |           |          |
| Predicted MDL:    | 0.003426 |           |          |
| Predicted MQL:    | 0.011419 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00068 | .000    | 1        |
| S1        | .06000       | .05555      | -.004      | -7.42   | .00950 | .000    | 1        |
| S2        | 3.7500       | 3.6544      | -.096      | -2.55   | .58057 | .005    | 1        |
| S3        | 7.5000       | 7.3527      | -.147      | -1.96   | 1.1674 | .039    | 1        |
| S4        | 15.000       | 14.778      | -.222      | -1.48   | 2.3457 | .011    | 1        |
| S5        | 30.000       | 30.470      | .470       | 1.57    | 4.8357 | .026    | 1        |

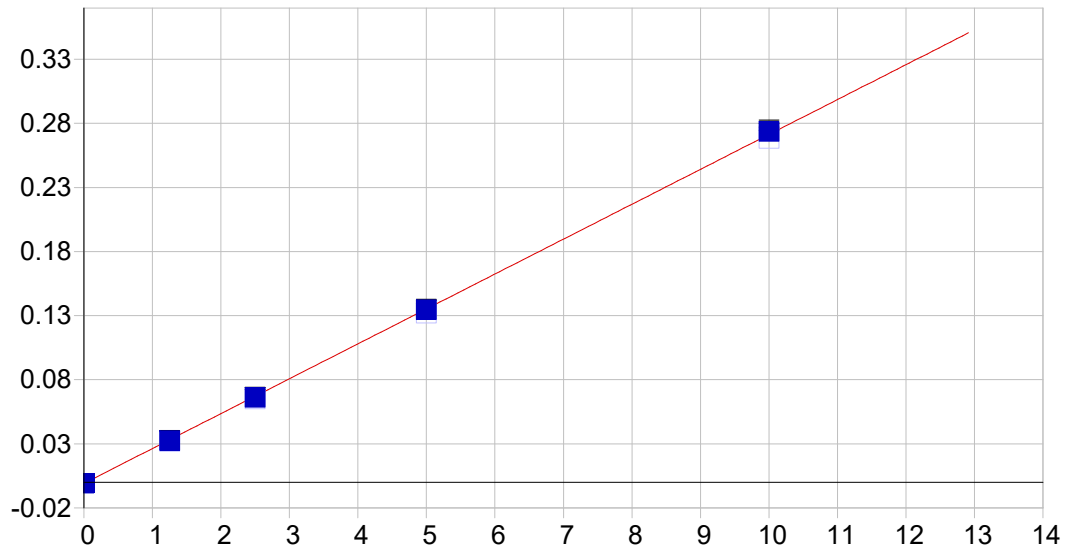


K 769.896 { 44}

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.021397 Re-Slope: 1.000000  
 A1 (Gain): 0.016644 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999928 Status: OK.  
 Std Error of Est: 0.000411  
 Predicted MDL: 0.077729  
 Predicted MQL: 0.259098

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00036     | -.000      | .000    | .02139 | .001    | 1        |
| S1        | 5.0000       | 5.1638      | .164       | 3.28    | .10734 | .001    | 1        |
| S2        | 37.500       | 38.756      | 1.26       | 3.35    | .66645 | .001    | 1        |
| S3        | 75.000       | 76.080      | 1.08       | 1.44    | 1.2877 | .007    | 1        |
| S4        | 150.00       | 149.83      | -.166      | -.111   | 2.5152 | .011    | 1        |
| S5        | 300.00       | 297.67      | -2.33      | -.778   | 4.9758 | .010    | 1        |

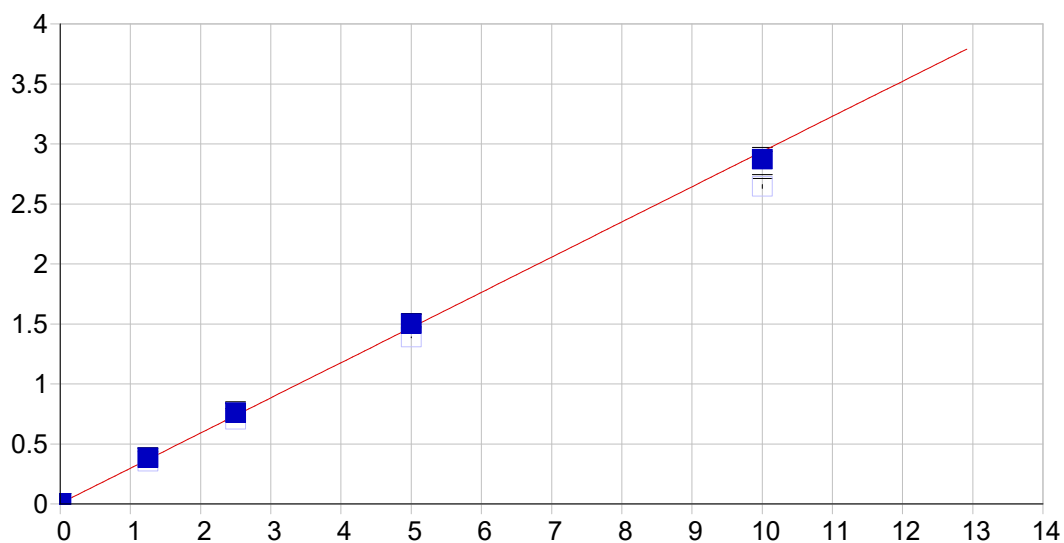


**P 177.495 {490}**

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000892 Re-Slope: 1.000000  
 A1 (Gain): 0.027226 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999947 Status: OK.  
 Std Error of Est: 0.000005  
 Predicted MDL: 0.004348  
 Predicted MQL: 0.014495

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00089 | .000    | 1        |
| S1        | .01000       | .00945      | -.001      | -5.49   | -.00064 | .000    | 1        |
| S2        | 1.2500       | 1.2242      | -.026      | -2.06   | .03174  | .000    | 1        |
| S3        | 2.5000       | 2.4640      | -.036      | -1.44   | .06479  | .000    | 1        |
| S4        | 5.0000       | 4.9775      | -.022      | -.450   | .13182  | .000    | 1        |
| S5        | 10.000       | 10.085      | .085       | .848    | .26807  | .001    | 1        |

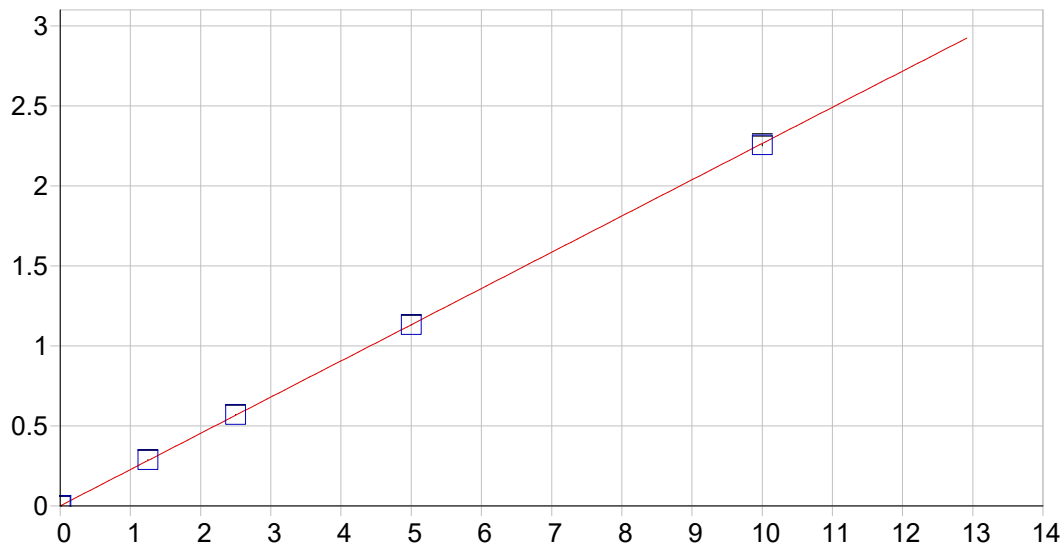


**B 249.678 {135}**

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003955 Re-Slope: 1.000000  
 A1 (Gain): 0.293194 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999559 Status: OK.  
 Std Error of Est: 0.000135  
 Predicted MDL: 0.001248  
 Predicted MQL: 0.004161

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00396 | .000    | 1        |
| S1        | .01000       | .00429      | -.006      | -57.1   | .00516 | .000    | 1        |
| S2        | 1.2500       | 1.2924      | .042       | 3.39    | .35465 | .002    | 1        |
| S3        | 2.5000       | 2.5760      | .076       | 3.04    | .70275 | .008    | 1        |
| S4        | 5.0000       | 5.1068      | .107       | 2.14    | 1.3883 | .004    | 1        |
| S5        | 10.000       | 9.7809      | -.219      | -2.19   | 2.6458 | .017    | 1        |

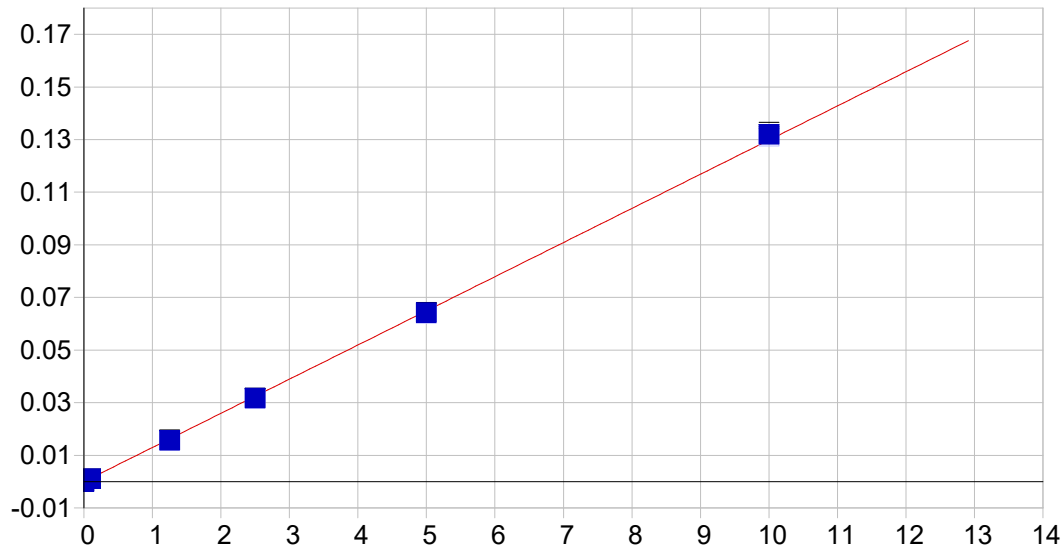


### Mo 202.030 {467}

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000532 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.226407 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999987 | Status:   | OK.      |
| Std Error of Est: | 0.000020 |           |          |
| Predicted MDL:    | 0.000698 |           |          |
| Predicted MQL:    | 0.002327 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00053 | .000    | 1        |
| S1        | .01000       | .01017      | .000       | 1.66    | .00283 | .000    | 1        |
| S2        | 1.2500       | 1.2685      | .019       | 1.48    | .28774 | .001    | 1        |
| S3        | 2.5000       | 2.5162      | .016       | .647    | .57021 | .002    | 1        |
| S4        | 5.0000       | 4.9999      | -.000      | -.003   | 1.1325 | .002    | 1        |
| S5        | 10.000       | 9.9653      | -.035      | -.347   | 2.2567 | .008    | 1        |

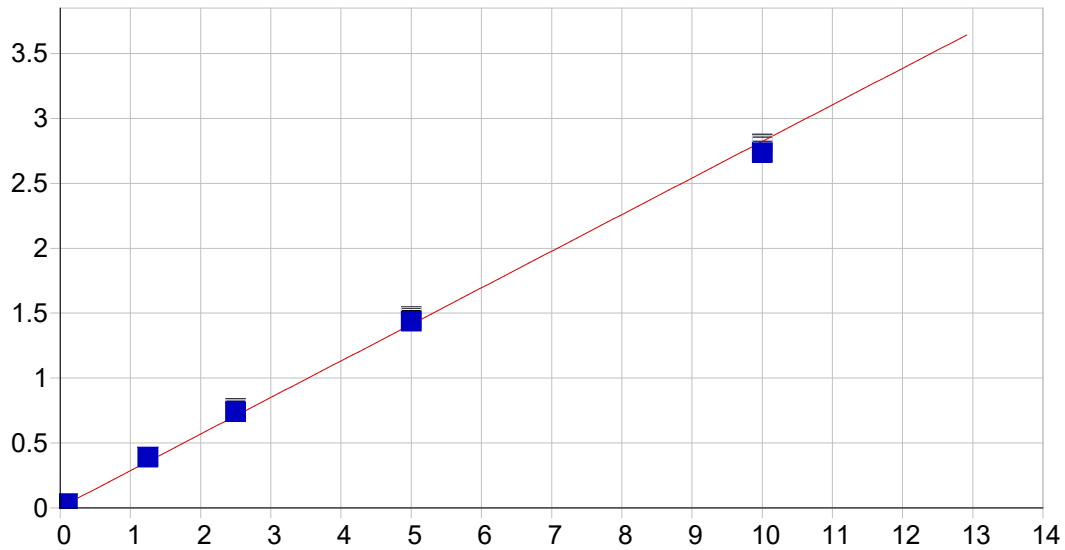


**S 182.034 {485}**

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000020 Re-Slope: 1.000000  
 A1 (Gain): 0.012983 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999777 Status: OK.  
 Std Error of Est: 0.000014  
 Predicted MDL: 0.008450  
 Predicted MQL: 0.028165

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | -.00002 | .000    | 1        |
| S1        | .10000       | .08636      | -.014      | -13.6   | .00110  | .000    | 1        |
| S2        | 1.2500       | 1.2039      | -.046      | -3.69   | .01551  | .000    | 1        |
| S3        | 2.5000       | 2.4404      | -.060      | -2.38   | .03147  | .000    | 1        |
| S4        | 5.0000       | 4.9505      | -.049      | -.989   | .06386  | .000    | 1        |
| S5        | 10.000       | 10.169      | .169       | 1.69    | .13122  | .001    | 1        |

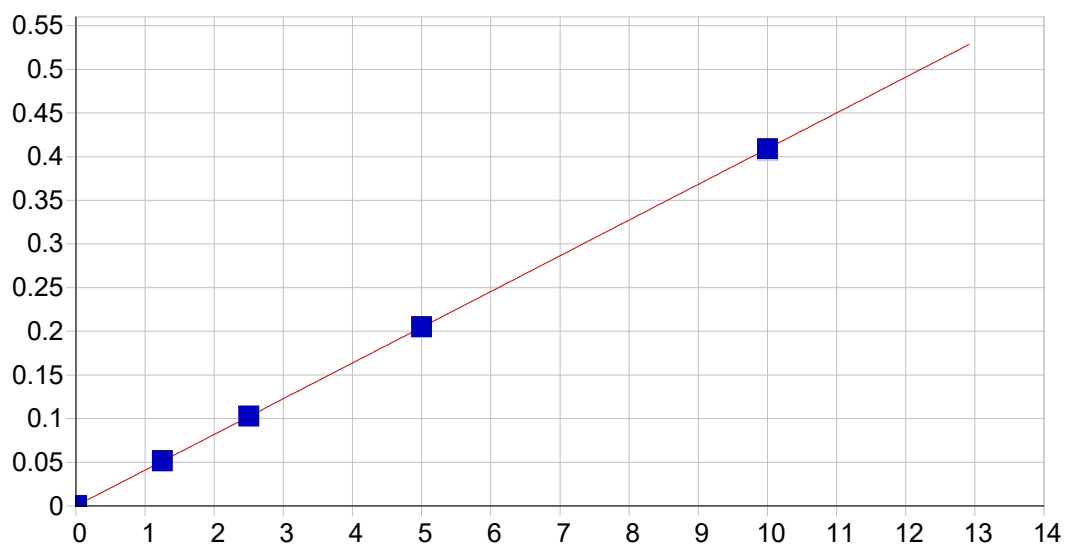


Si 251.611 {134}

Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004815 Re-Slope: 1.000000  
 A1 (Gain): 0.281761 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999334 Status: OK.  
 Std Error of Est: 0.000558  
 Predicted MDL: 0.001347  
 Predicted MQL: 0.004492

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00481 | .000    | 1        |
| S1        | .10000       | .10073      | .001       | .726    | .03352 | .001    | 1        |
| S2        | 1.2500       | 1.3631      | .113       | 9.05    | .39592 | .001    | 1        |
| S3        | 2.5000       | 2.6098      | .110       | 4.39    | .75424 | .010    | 1        |
| S4        | 5.0000       | 5.0861      | .086       | 1.72    | 1.4661 | .005    | 1        |
| S5        | 10.000       | 9.6902      | -.310      | -3.10   | 2.7915 | .012    | 1        |

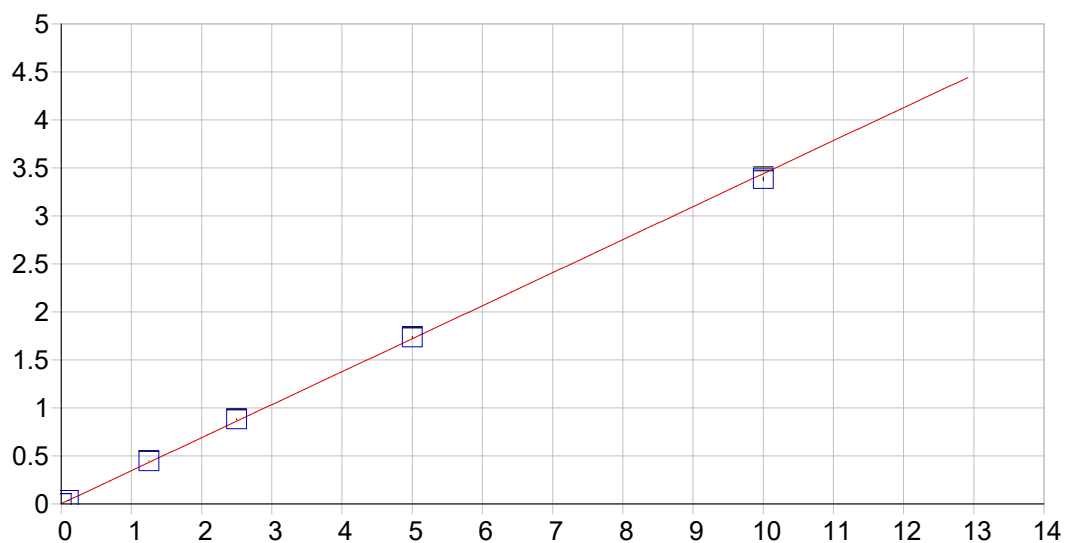


**Sn 189.989 {478}**

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000104 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.040906 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999996 | Status:   | OK.      |
| Std Error of Est: | 0.000002 |           |          |
| Predicted MDL:    | 0.002585 |           |          |
| Predicted MQL:    | 0.008617 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00010 | .000    | 1        |
| S1        | .00700       | .00633      | -.001      | -9.62   | .00034 | .000    | 1        |
| S2        | 1.2500       | 1.2532      | .003       | .253    | .05111 | .000    | 1        |
| S3        | 2.5000       | 2.5076      | .008       | .304    | .10216 | .000    | 1        |
| S4        | 5.0000       | 5.0070      | .007       | .140    | .20388 | .000    | 1        |
| S5        | 10.000       | 9.9829      | -.017      | -.171   | .40639 | .001    | 1        |

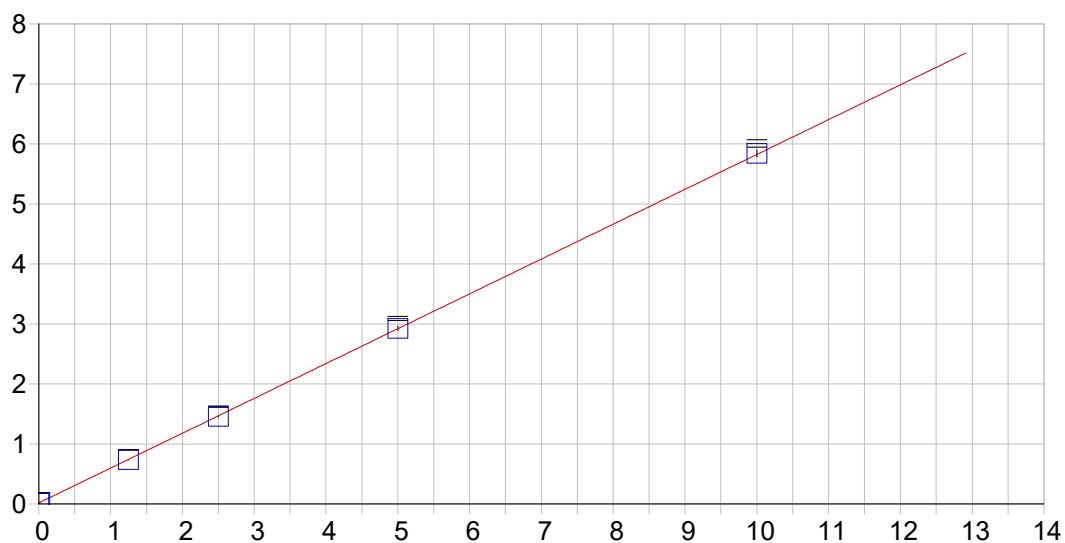


**Ti 336.121 {100}**

Date of Fit: 01/31/2023 12:27:06      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.002161 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.343752 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999844 | Status:   | OK.      |
| Std Error of Est: | 0.000322 |           |          |
| Predicted MDL:    | 0.001417 |           |          |
| Predicted MQL:    | 0.004722 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00216 | .000    | 1        |
| S1        | .10000       | .10041      | .000       | .407    | .03668 | .001    | 1        |
| S2        | 1.2500       | 1.2944      | .044       | 3.55    | .44710 | .001    | 1        |
| S3        | 2.5000       | 2.5606      | .061       | 2.42    | .88236 | .005    | 1        |
| S4        | 5.0000       | 5.0483      | .048       | .967    | 1.7375 | .007    | 1        |
| S5        | 10.000       | 9.8463      | -.154      | -1.54   | 3.3868 | .020    | 1        |



Li 670.784 { 50}

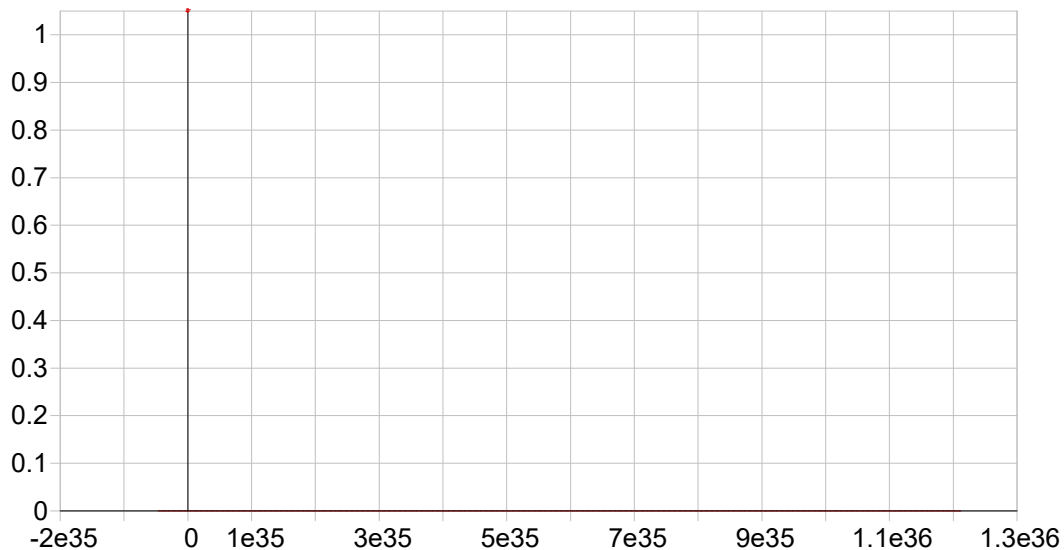
Date of Fit: 01/31/2023 12:27:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.016517 Re-Slope: 1.000000  
 A1 (Gain): 0.580725 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999978 Status: OK.  
 Std Error of Est: 0.000079  
 Predicted MDL: 0.002204  
 Predicted MQL: 0.007346

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .01652 | .001    | 1        |
| S5        | 10.000       | 10.030      | .030       | .295    | 5.8409 | .062    | 1        |
| S4        | 5.0000       | 5.0063      | .006       | .127    | 2.9238 | .035    | 1        |
| S3        | 2.5000       | 2.4786      | -.021      | -.855   | 1.4559 | .012    | 1        |
| S2        | 1.2500       | 1.2380      | -.012      | -.957   | .73548 | .004    | 1        |
| S1        | .01500       | .01246      | -.003      | -17.0   | .02375 | .001    | 1        |



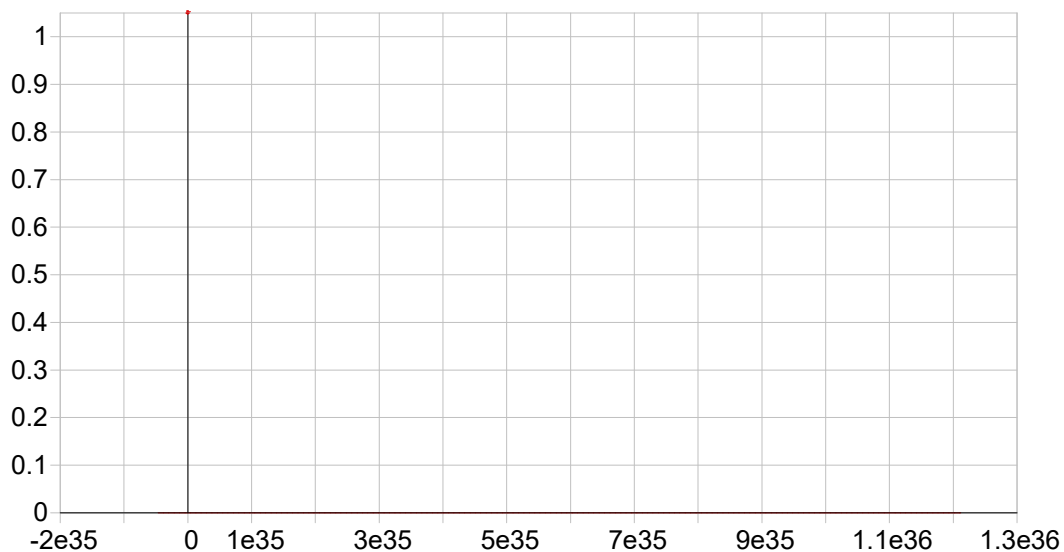




Y 224.306 {150}\*

| 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       |              |           |            |           |

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



In 230.606 {446}\*

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

