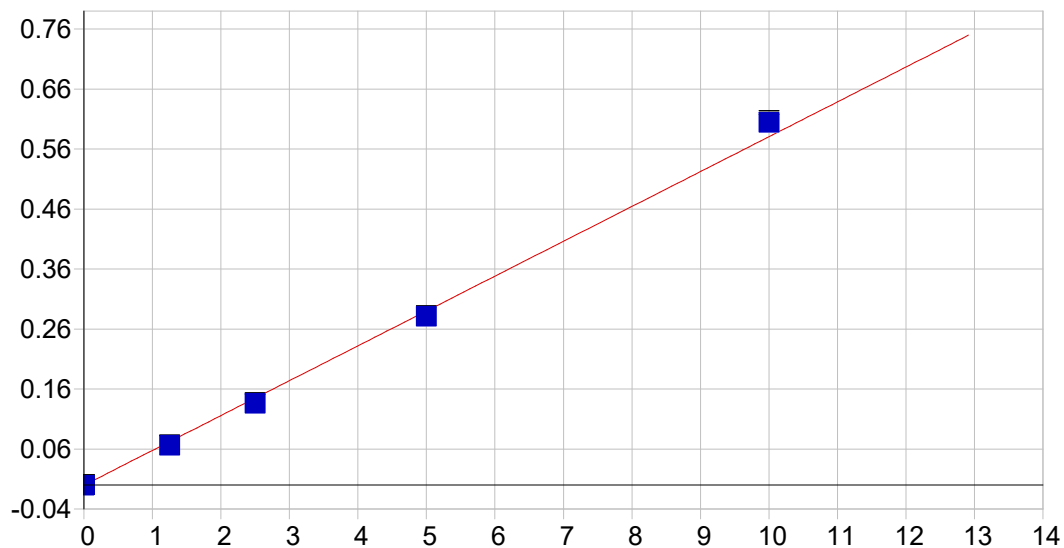


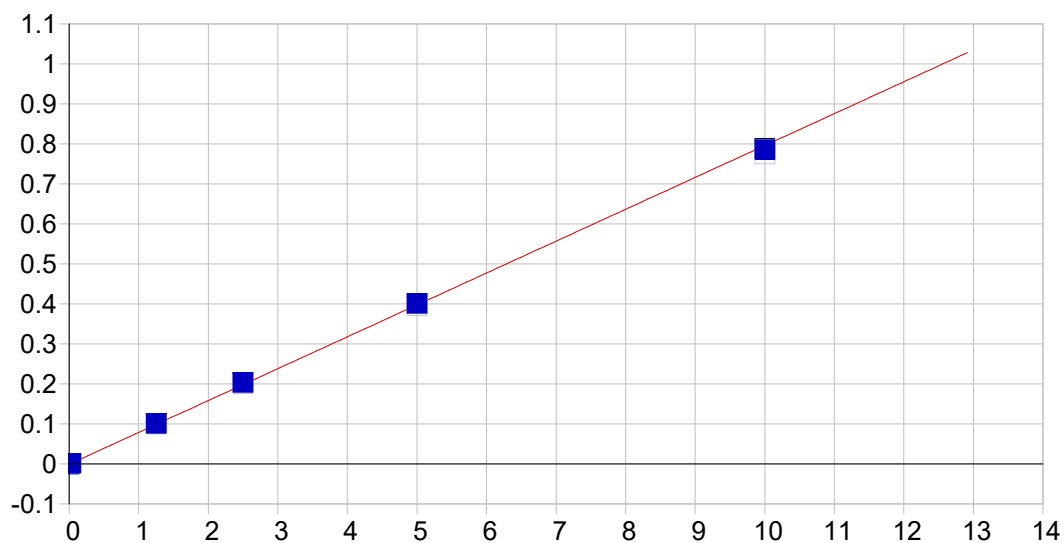


**As 189.042 {479}**

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000442 Re-Slope: 1.000000  
 A1 (Gain): 0.058095 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998920 Status: OK.  
 Std Error of Est: 0.000045  
 Predicted MDL: 0.004681  
 Predicted MQL: 0.015604

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00044 | .000    | 1        |
| S1        | .01000       | .01128      | .001       | 12.8    | .00021  | .000    | 1        |
| S2        | 1.2500       | 1.1421      | -.108      | -8.63   | .06586  | .001    | 1        |
| S3        | 2.5000       | 2.3468      | -.153      | -6.13   | .13579  | .001    | 1        |
| S4        | 5.0000       | 4.8475      | -.152      | -3.05   | .28096  | .001    | 1        |
| S5        | 10.000       | 10.412      | .412       | 4.12    | .60404  | .003    | 1        |

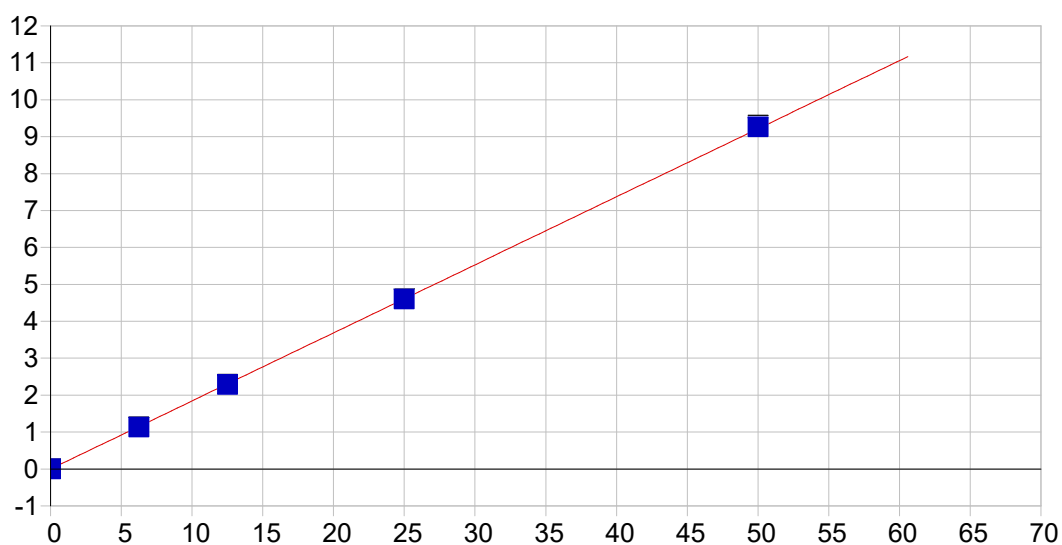


TI 190.856 {477}

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000942 Re-Slope: 1.000000  
 A1 (Gain): 0.079690 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999857 Status: OK.  
 Std Error of Est: 0.000035  
 Predicted MDL: 0.002968  
 Predicted MQL: 0.009892

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00094 | .000    | 1        |
| S1        | .02500       | .03065      | .006       | 22.6    | .00138  | .000    | 1        |
| S2        | 1.2500       | 1.2738      | .024       | 1.90    | .09912  | .000    | 1        |
| S3        | 2.5000       | 2.5603      | .060       | 2.41    | .20021  | .000    | 1        |
| S4        | 5.0000       | 5.0409      | .041       | .819    | .39501  | .000    | 1        |
| S5        | 10.000       | 9.8697      | -.130      | -1.30   | .77405  | .003    | 1        |

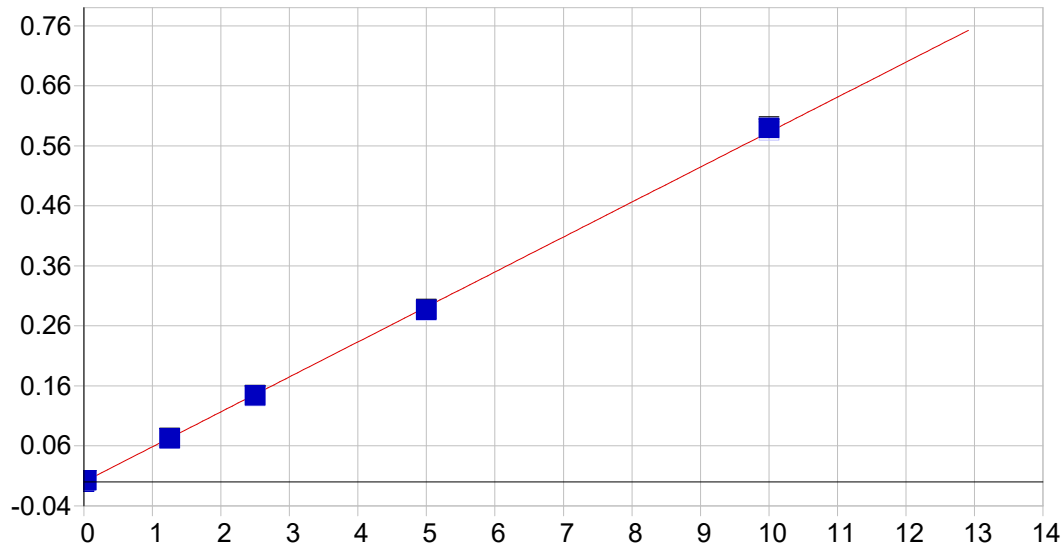


### Pb 220.353 {453}

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000343 Re-Slope: 1.000000  
 A1 (Gain): 0.184320 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999973 Status: OK.  
 Std Error of Est: 0.000051  
 Predicted MDL: 0.002375  
 Predicted MQL: 0.007916

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00034 | .000    | 1        |
| S1        | .01000       | .01255      | .003       | 25.5    | .00198  | .000    | 1        |
| S2        | 6.2500       | 6.1388      | -.111      | -1.78   | 1.1333  | .003    | 1        |
| S3        | 12.500       | 12.385      | -.115      | -.923   | 2.2868  | .010    | 1        |
| S4        | 25.000       | 24.968      | -.032      | -.129   | 4.6104  | .005    | 1        |
| S5        | 50.000       | 50.256      | .256       | .512    | 9.2803  | .029    | 1        |

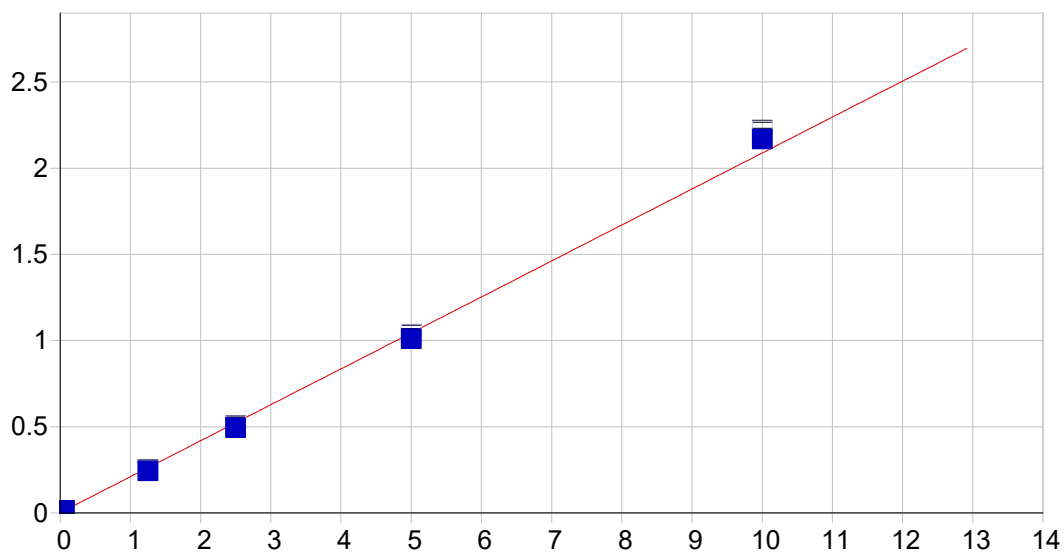


Se 196.090 {472}

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000214 Re-Slope: 1.000000  
 A1 (Gain): 0.058275 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999893 Status: OK.  
 Std Error of Est: 0.000027  
 Predicted MDL: 0.005138  
 Predicted MQL: 0.017126

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00021 | .000    | 1        |
| S1        | .03500       | .04051      | .006       | 15.8    | .00257 | .000    | 1        |
| S2        | 1.2500       | 1.2403      | -.010      | -.779   | .07199 | .001    | 1        |
| S3        | 2.5000       | 2.4654      | -.035      | -1.38   | .14289 | .001    | 1        |
| S4        | 5.0000       | 4.9228      | -.077      | -1.54   | .28510 | .001    | 1        |
| S5        | 10.000       | 10.116      | .116       | 1.16    | .58573 | .002    | 1        |

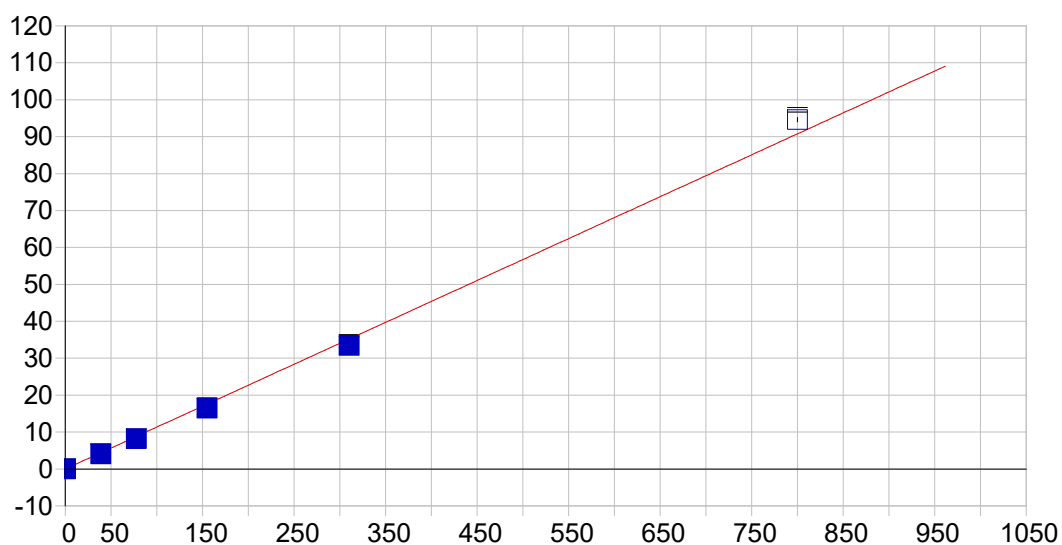


**Sb 206.833 {463}**

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001291 Re-Slope: 1.000000  
 A1 (Gain): 0.208644 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999115 Status: OK.  
 Std Error of Est: 0.000369  
 Predicted MDL: 0.002095  
 Predicted MQL: 0.006985

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00129 | .000    | 1        |
| S1        | .06000       | .06260      | .003       | 4.33    | .01436 | .000    | 1        |
| S2        | 1.2500       | 1.1630      | -.087      | -6.96   | .24969 | .001    | 1        |
| S3        | 2.5000       | 2.3577      | -.142      | -5.69   | .50469 | .001    | 1        |
| S4        | 5.0000       | 4.8365      | -.164      | -3.27   | 1.0333 | .002    | 1        |
| S5        | 10.000       | 10.390      | .390       | 3.90    | 2.2150 | .005    | 1        |

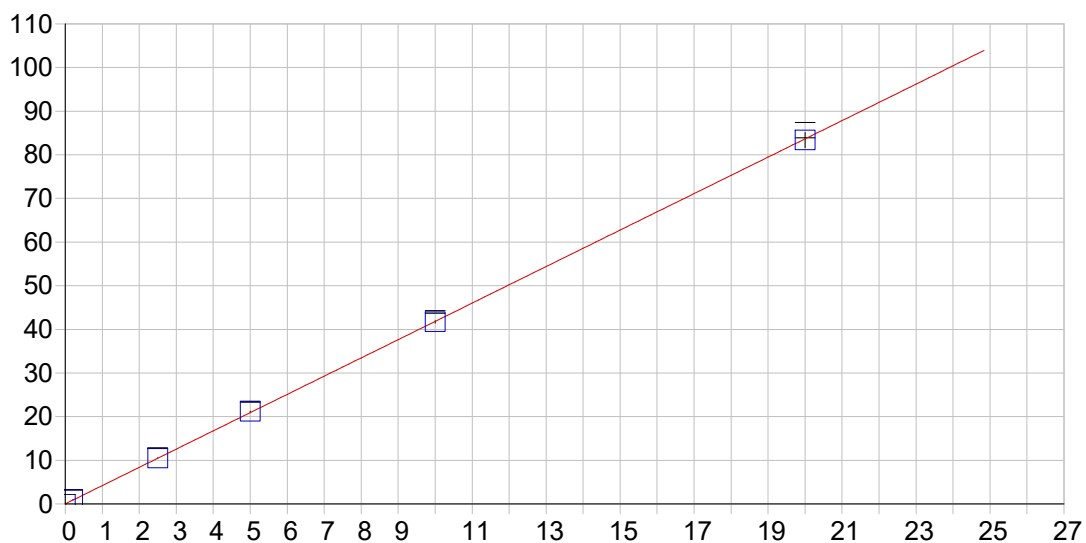


AI 396.152 { 85}

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000270 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.113460  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.998727  | Status:   | OK.      |
| Std Error of Est: | 0.003564  |           |          |
| Predicted MDL:    | 0.009322  |           |          |
| Predicted MQL:    | 0.031073  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00027 | .002    | 1        |
| S1        | .20000       | .23416      | .034       | 17.1    | .02634  | .001    | 1        |
| S2        | 38.750       | 35.802      | -2.95      | -7.61   | 4.0668  | .018    | 1        |
| S3        | 77.500       | 71.916      | -5.58      | -7.20   | 8.1692  | .021    | 1        |
| S4        | 155.00       | 144.85      | -10.1      | -6.55   | 16.454  | .044    | 1        |
| S5        | 310.00       | 294.53      | -15.5      | -4.99   | 33.456  | .188    | 1        |
| S6        | 800.00       | 834.16      | 34.2       | 4.27    | 94.643  | .610    | 1        |

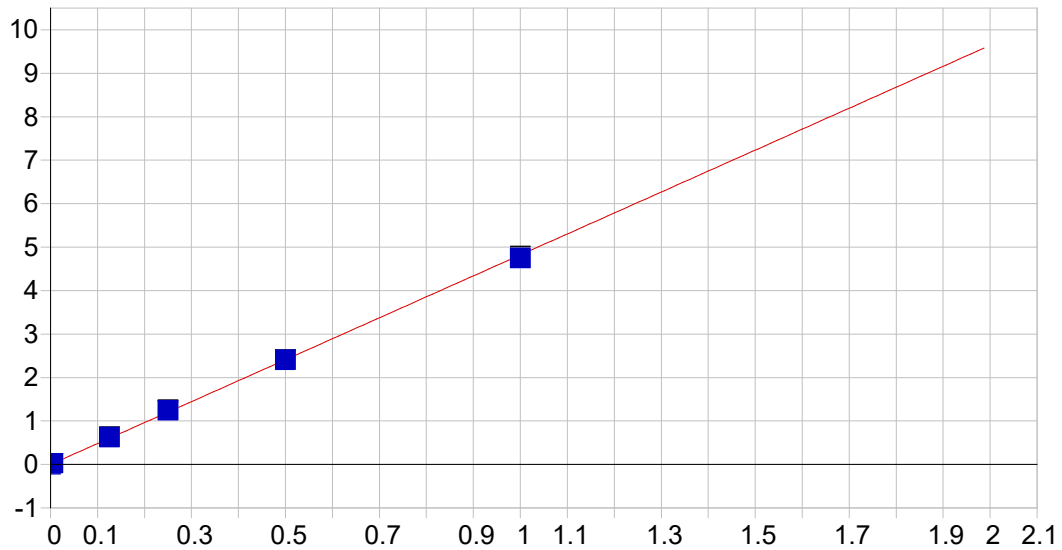


**Ba 493.409 { 68}**

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.006057 Re-Slope: 1.000000  
 A1 (Gain): 4.182863 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999939 Status: OK.  
 Std Error of Est: 0.004898  
 Predicted MDL: 0.000496  
 Predicted MQL: 0.001655

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00003     | -.000      | .000    | .00594 | .002    | 1        |
| S1        | .20000       | .22679      | .027       | 13.4    | .95469 | .006    | 1        |
| S2        | 2.5000       | 2.5072      | .007       | .290    | 10.494 | .103    | 1        |
| S3        | 5.0000       | 5.0579      | .058       | 1.16    | 21.163 | .138    | 1        |
| S4        | 10.000       | 9.9769      | -.023      | -.231   | 41.738 | .285    | 1        |
| S5        | 20.000       | 19.931      | -.069      | -.345   | 83.375 | 1.79    | 1        |



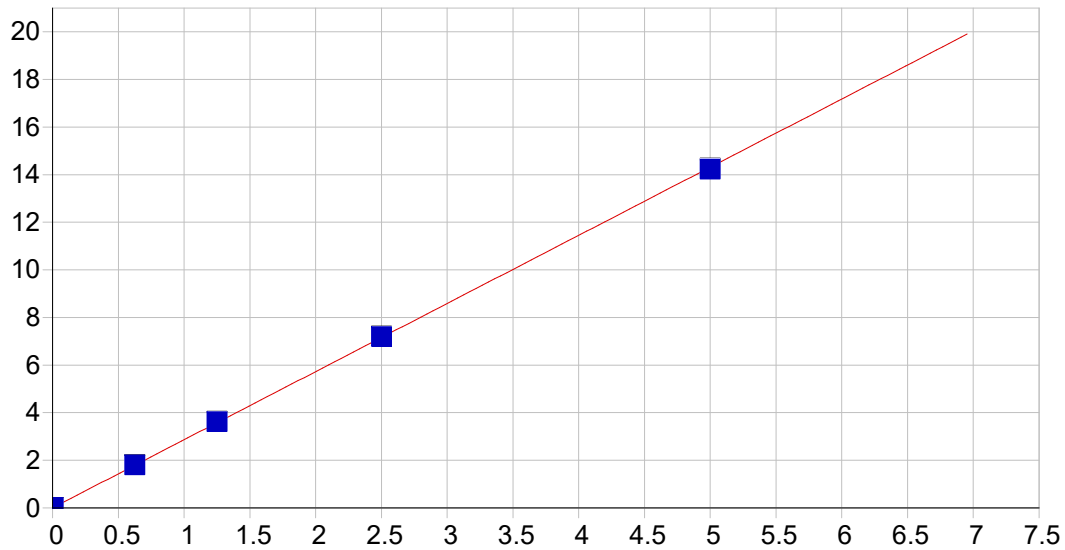
**Be 234.861 {144}**

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.001636 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 4.822415  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999749  | Status:   | OK.      |
| Std Error of Est: | 0.000405  |           |          |
| Predicted MDL:    | 0.000084  |           |          |
| Predicted MQL:    | 0.000279  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00164 | .000    | 1        |
| S1        | .00500       | .00609      | .001       | 21.9    | .02773  | .000    | 1        |
| S2        | .12500       | .13000      | .005       | 4.00    | .62350  | .008    | 1        |
| S3        | .25000       | .25832      | .008       | 3.33    | 1.2405  | .011    | 1        |
| S4        | .50000       | .50051      | .001       | .103    | 2.4049  | .004    | 1        |
| S5        | 1.0000       | .98507      | -.015      | -1.49   | 4.7345  | .042    | 1        |



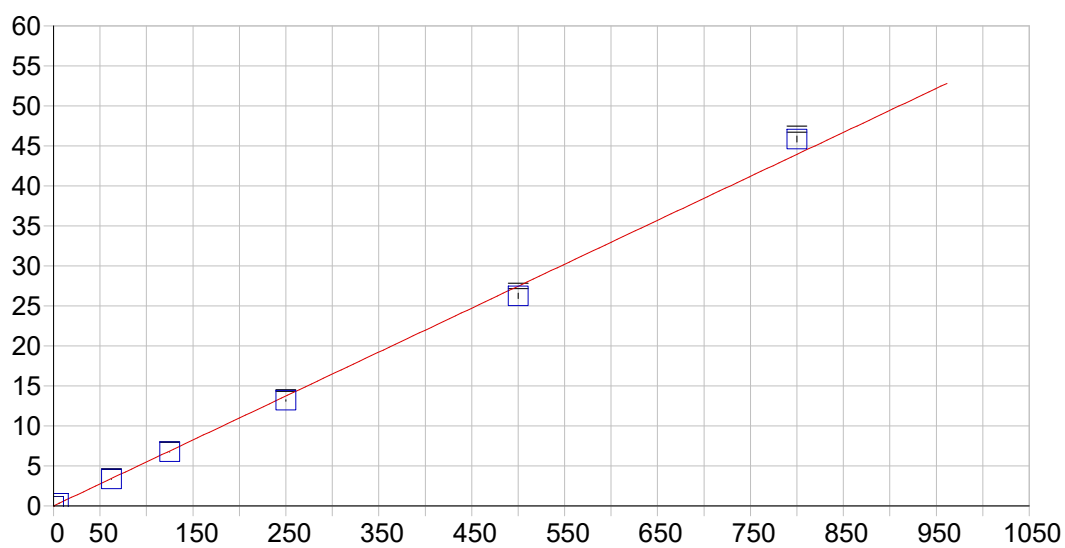


**Cd 214.438 {457}**

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000884 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 2.862659 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999968 | Status:   | OK.      |
| Std Error of Est: | 0.000193 |           |          |
| Predicted MDL:    | 0.000108 |           |          |
| Predicted MQL:    | 0.000361 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00088 | .000    | 1        |
| S1        | .00500       | .00594      | .001       | 18.8    | .01789 | .000    | 1        |
| S2        | .62500       | .62988      | .005       | .781    | 1.8082 | .004    | 1        |
| S3        | 1.2500       | 1.2630      | .013       | 1.04    | 3.6248 | .012    | 1        |
| S4        | 2.5000       | 2.5123      | .012       | .491    | 7.2094 | .008    | 1        |
| S5        | 5.0000       | 4.9689      | -.031      | -.622   | 14.259 | .025    | 1        |

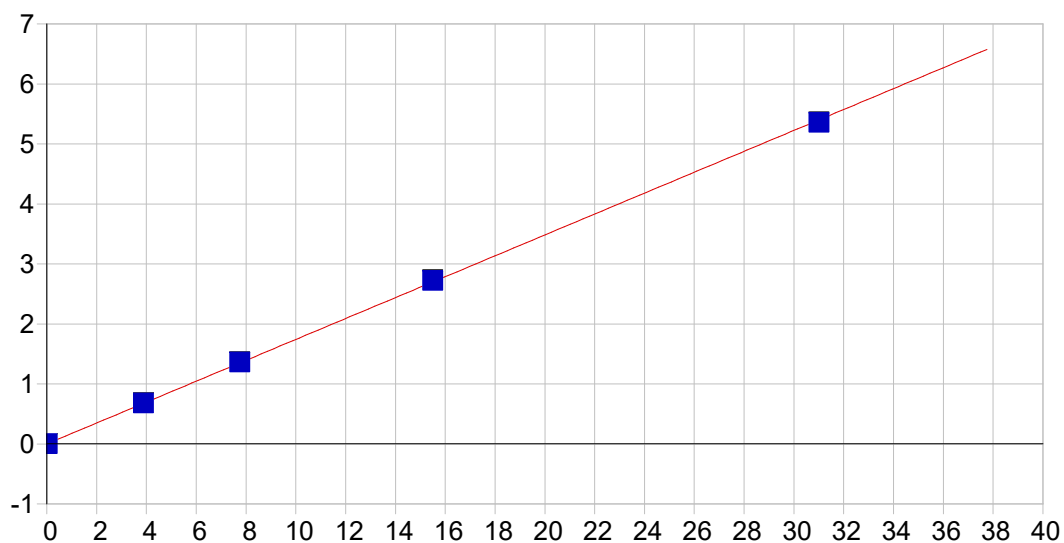


Ca 373.690 { 90}

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001893 Re-Slope: 1.000000  
 A1 (Gain): 0.054926 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999120 Status: OK.  
 Std Error of Est: 0.008047  
 Predicted MDL: 0.015298  
 Predicted MQL: 0.050992

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00038     | -.000      | .000    | .00187 | .001    | 1        |
| S1        | 5.0000       | 5.7681      | .768       | 15.4    | .31871 | .002    | 1        |
| S2        | 62.500       | 61.319      | -1.18      | -1.89   | 3.3699 | .030    | 1        |
| S3        | 125.00       | 122.70      | -2.30      | -1.84   | 6.7412 | .033    | 1        |
| S4        | 250.00       | 240.17      | -9.83      | -3.93   | 13.194 | .101    | 1        |
| S5        | 500.00       | 477.76      | -22.2      | -4.45   | 26.244 | .340    | 1        |
| S6        | 800.00       | 834.78      | 34.8       | 4.35    | 45.853 | .370    | 1        |

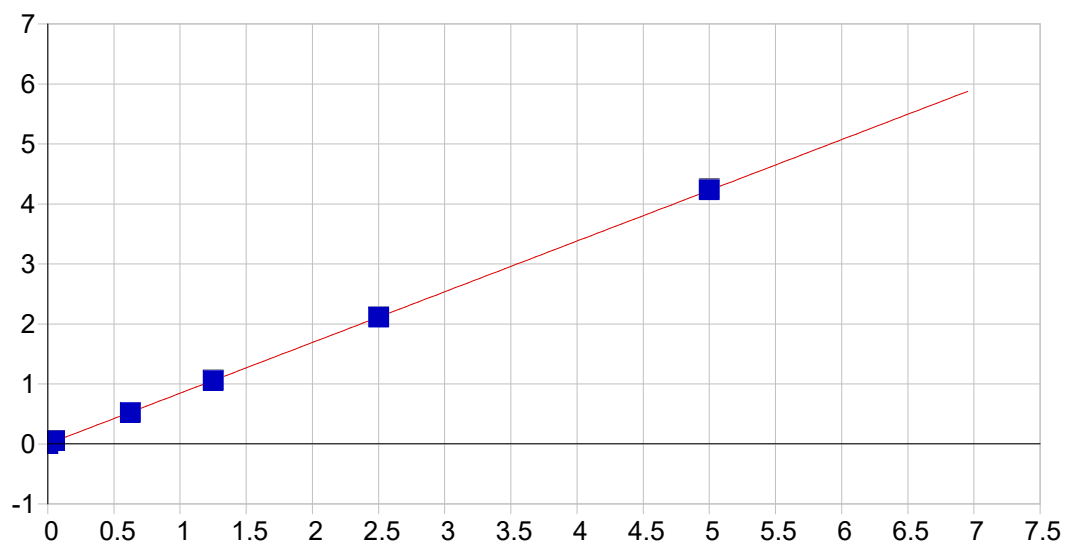


### Cr 267.716 {126}

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000026 Re-Slope: 1.000000  
 A1 (Gain): 0.174152 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999957 Status: OK.  
 Std Error of Est: 0.000047  
 Predicted MDL: 0.000524  
 Predicted MQL: 0.001745

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00003 | .000    | 1        |
| S1        | .01000       | .01279      | .003       | 27.9    | .00225 | .000    | 1        |
| S2        | 3.8750       | 3.9140      | .039       | 1.01    | .68225 | .002    | 1        |
| S3        | 7.7500       | 7.8320      | .082       | 1.06    | 1.3652 | .001    | 1        |
| S4        | 15.500       | 15.622      | .122       | .789    | 2.7230 | .010    | 1        |
| S5        | 31.000       | 30.754      | -.246      | -.794   | 5.3606 | .007    | 1        |

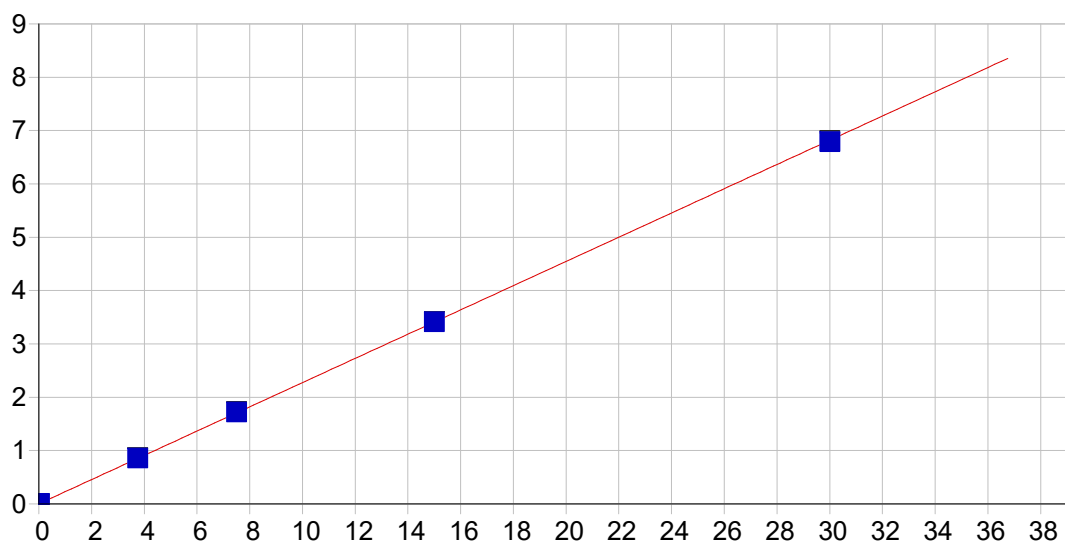


**Co 228.616 {448}**

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000062 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.845235  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999900  | Status:   | OK.      |
| Std Error of Est: | 0.000319  |           |          |
| Predicted MDL:    | 0.000368  |           |          |
| Predicted MQL:    | 0.001226  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR    | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|----------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.000007 | .000    | 1        |
| S1        | .05000       | .05943      | .009       | 18.9    | .05033   | .001    | 1        |
| S2        | .62500       | .61712      | -.008      | -1.26   | .52364   | .001    | 1        |
| S3        | 1.2500       | 1.2454      | -.005      | -.371   | 1.0567   | .005    | 1        |
| S4        | 2.5000       | 2.4977      | -.002      | -.092   | 2.1194   | .003    | 1        |
| S5        | 5.0000       | 5.0054      | .005       | .108    | 4.2474   | .008    | 1        |

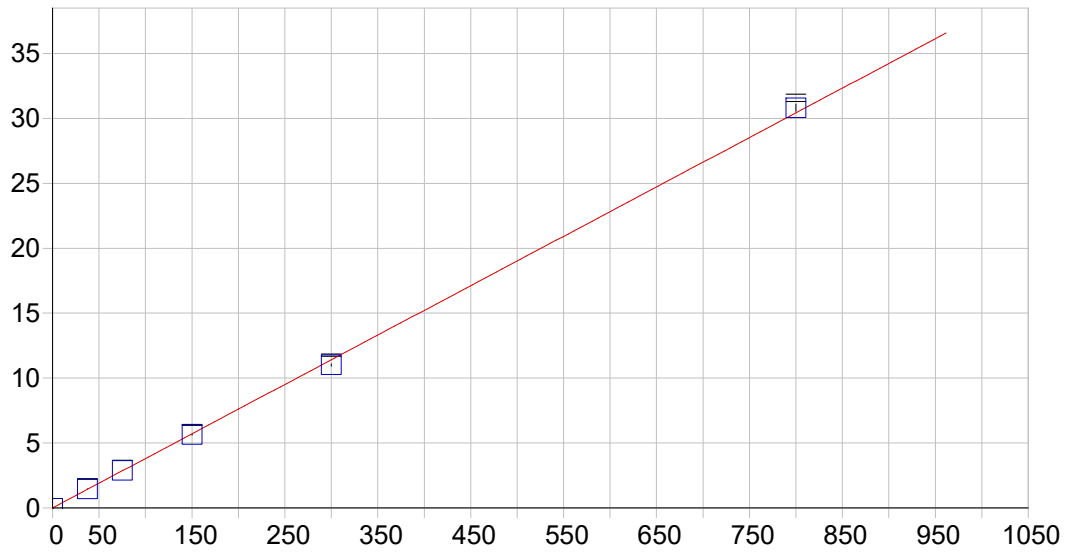


**Cu 324.754 {104}**

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.001846 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.227228 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999979 | Status:   | OK.      |
| Std Error of Est: | 0.000068 |           |          |
| Predicted MDL:    | 0.002545 |           |          |
| Predicted MQL:    | 0.008483 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00184 | .001    | 1        |
| S1        | .02500       | .03055      | .006       | 22.2    | .00877 | .000    | 1        |
| S2        | 3.7500       | 3.7754      | .025       | .678    | .85847 | .003    | 1        |
| S3        | 7.5000       | 7.5662      | .066       | .882    | 1.7186 | .006    | 1        |
| S4        | 15.000       | 15.008      | .008       | .056    | 3.4071 | .010    | 1        |
| S5        | 30.000       | 29.895      | -.105      | -.352   | 6.7846 | .015    | 1        |

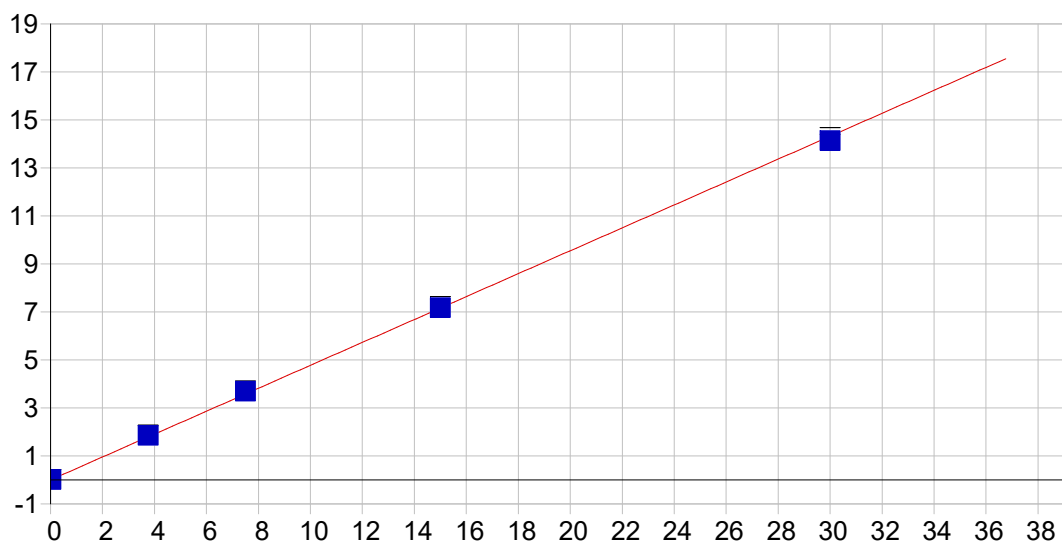


### Fe 259.837 {130}

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000615 Re-Slope: 1.000000  
 A1 (Gain): 0.038036 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999793 Status: OK.  
 Std Error of Est: 0.000338  
 Predicted MDL: 0.008292  
 Predicted MQL: 0.027640

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00061 | .000    | 1        |
| S1        | .10000       | .11776      | .018       | 17.8    | .00509 | .000    | 1        |
| S2        | 37.500       | 38.365      | .865       | 2.31    | 1.4598 | .009    | 1        |
| S3        | 75.000       | 76.122      | 1.12       | 1.50    | 2.8960 | .014    | 1        |
| S4        | 150.00       | 148.28      | -1.72      | -1.15   | 5.6406 | .035    | 1        |
| S5        | 300.00       | 289.41      | -10.6      | -3.53   | 11.009 | .092    | 1        |
| S6        | 800.00       | 810.30      | 10.3       | 1.29    | 30.821 | .293    | 1        |

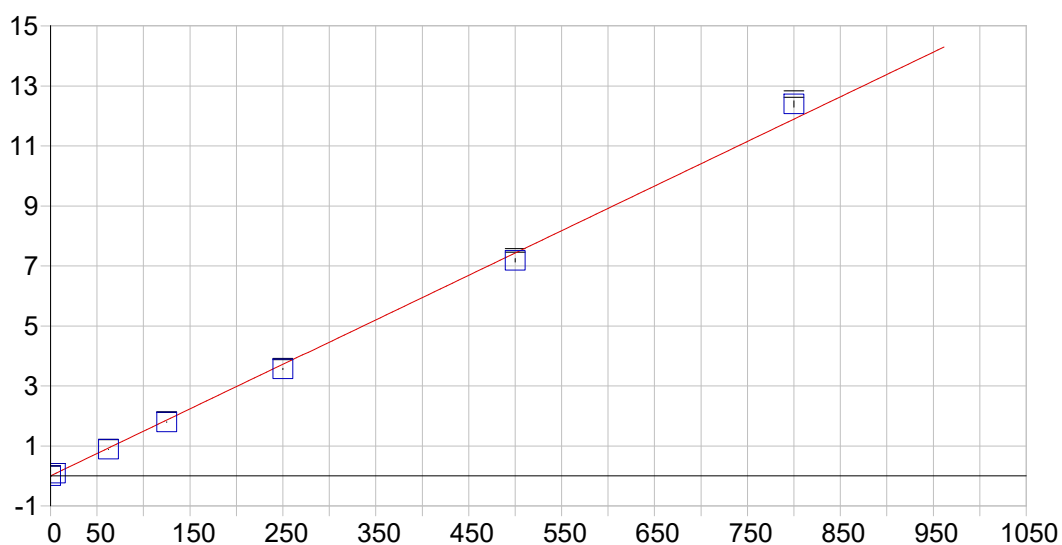


**Mn 257.610 {131}**

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000056 Re-Slope: 1.000000  
 A1 (Gain): 0.477382 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999826 Status: OK.  
 Std Error of Est: 0.000317  
 Predicted MDL: 0.000698  
 Predicted MQL: 0.002326

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00005 | .000    | 1        |
| S1        | .01500       | .01928      | .004       | 28.5    | .00926 | .000    | 1        |
| S2        | 3.7500       | 3.8919      | .142       | 3.79    | 1.8580 | .012    | 1        |
| S3        | 7.5000       | 7.7360      | .236       | 3.15    | 3.6931 | .017    | 1        |
| S4        | 15.000       | 15.024      | .024       | .160    | 7.1723 | .049    | 1        |
| S5        | 30.000       | 29.594      | -.406      | -1.35   | 14.128 | .140    | 1        |



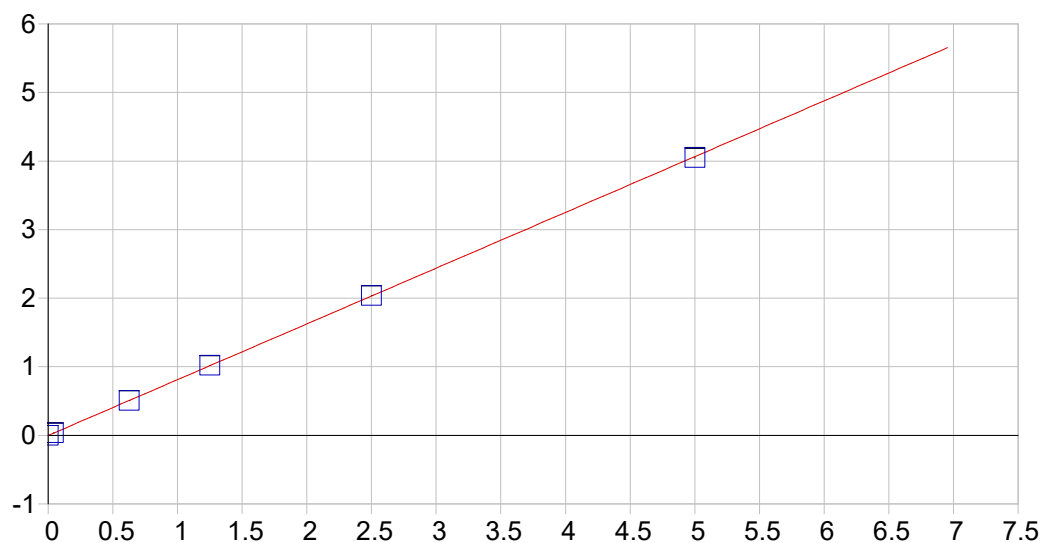
### Mg 279.079 {121}

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000198 Re-Slope: 1.000000  
 A1 (Gain): 0.014872 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999208 Status: OK.  
 Std Error of Est: 0.002068  
 Predicted MDL: 0.025273  
 Predicted MQL: 0.084242

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00009     | -.000      | .000    | -.00020 | .001    | 1        |
| S1        | 5.0000       | 5.6593      | .659       | 13.2    | .08397  | .001    | 1        |
| S2        | 62.500       | 59.521      | -2.98      | -4.77   | .88499  | .006    | 1        |
| S3        | 125.00       | 120.71      | -4.29      | -3.43   | 1.7950  | .007    | 1        |
| S4        | 250.00       | 239.87      | -10.1      | -4.05   | 3.5672  | .021    | 1        |
| S5        | 500.00       | 483.14      | -16.9      | -3.37   | 7.1850  | .059    | 1        |
| S6        | 800.00       | 833.59      | 33.6       | 4.20    | 12.397  | .106    | 1        |



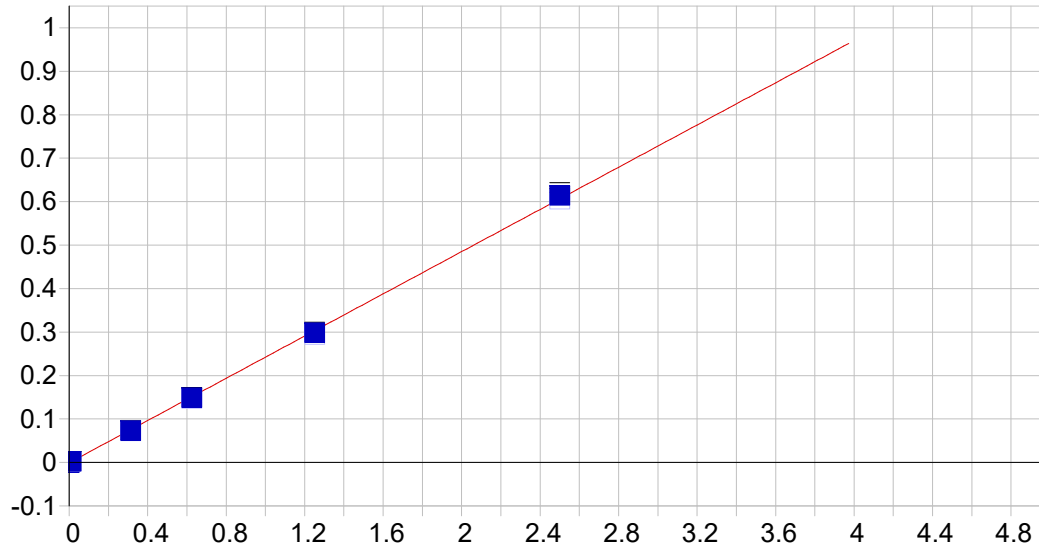


**Ni 231.604 {446}**

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.001589 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.813174  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999899  | Status:   | OK.      |
| Std Error of Est: | 0.000274  |           |          |
| Predicted MDL:    | 0.000494  |           |          |
| Predicted MQL:    | 0.001648  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00160 | .000    | 1        |
| S1        | .04000       | .04841      | .008       | 21.0    | .03778  | .000    | 1        |
| S2        | .62500       | .62541      | .000       | .065    | .50698  | .000    | 1        |
| S3        | 1.2500       | 1.2544      | .004       | .355    | 1.0185  | .003    | 1        |
| S4        | 2.5000       | 2.5076      | .008       | .303    | 2.0375  | .001    | 1        |
| S5        | 5.0000       | 4.9792      | -.021      | -.416   | 4.0473  | .006    | 1        |

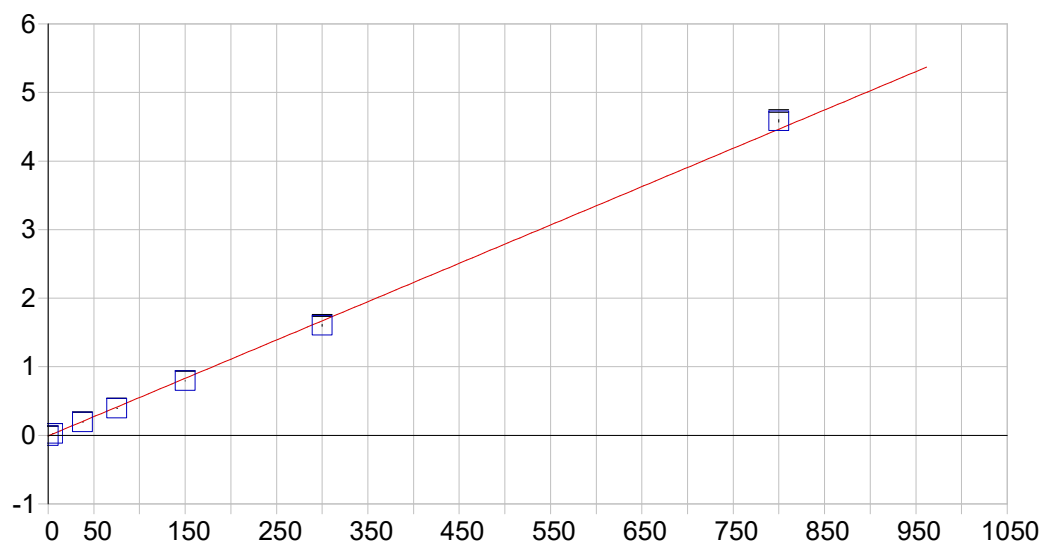


**Ag 328.068 {103}**

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000688 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.242835  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999865  | Status:   | OK.      |
| Std Error of Est: | 0.000033  |           |          |
| Predicted MDL:    | 0.000587  |           |          |
| Predicted MQL:    | 0.001955  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00069 | .000    | 1        |
| S1        | .01000       | .01168      | .002       | 16.8    | .00214  | .000    | 1        |
| S2        | .31250       | .30489      | -.008      | -2.43   | .07223  | .000    | 1        |
| S3        | .62500       | .61695      | -.008      | -1.29   | .14688  | .000    | 1        |
| S4        | 1.2500       | 1.2321      | -.018      | -1.43   | .29400  | .001    | 1        |
| S5        | 2.5000       | 2.5319      | .032       | 1.28    | .60515  | .007    | 1        |

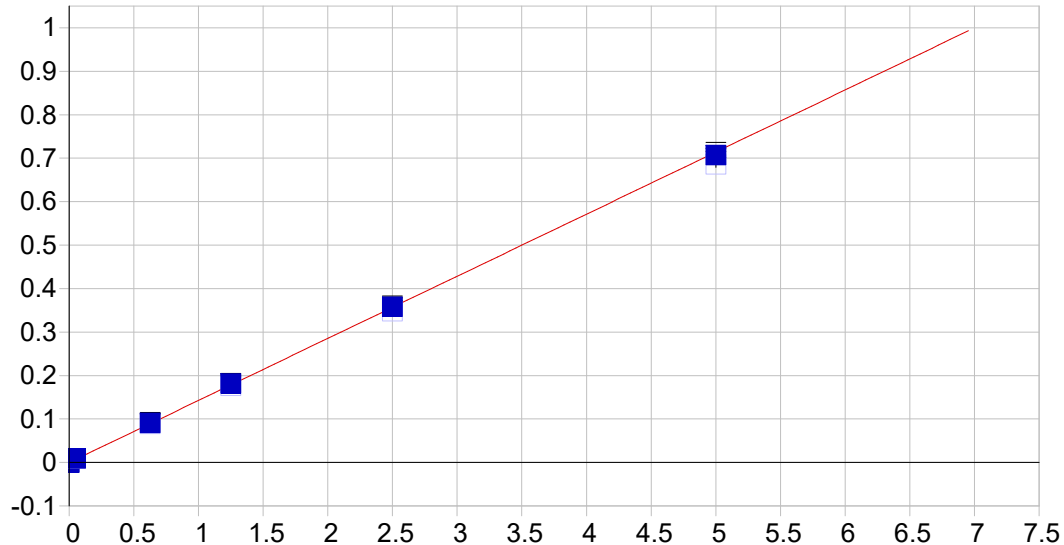


**Na 818.326 { 41}**

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.007328 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.005591  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999374  | Status:   | OK.      |
| Std Error of Est: | 0.000612  |           |          |
| Predicted MDL:    | 0.288663  |           |          |
| Predicted MQL:    | 0.962209  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00027     | -.000      | .000    | -.00733 | .001    | 1        |
| S1        | 5.0000       | 5.9566      | .957       | 19.1    | .02598  | .001    | 1        |
| S2        | 37.500       | 35.844      | -1.66      | -4.42   | .19307  | .001    | 1        |
| S3        | 75.000       | 72.134      | -2.87      | -3.82   | .39597  | .001    | 1        |
| S4        | 150.00       | 143.47      | -6.53      | -4.35   | .79482  | .002    | 1        |
| S5        | 300.00       | 288.21      | -11.8      | -3.93   | 1.6040  | .016    | 1        |
| S6        | 800.00       | 821.89      | 21.9       | 2.74    | 4.5878  | .018    | 1        |

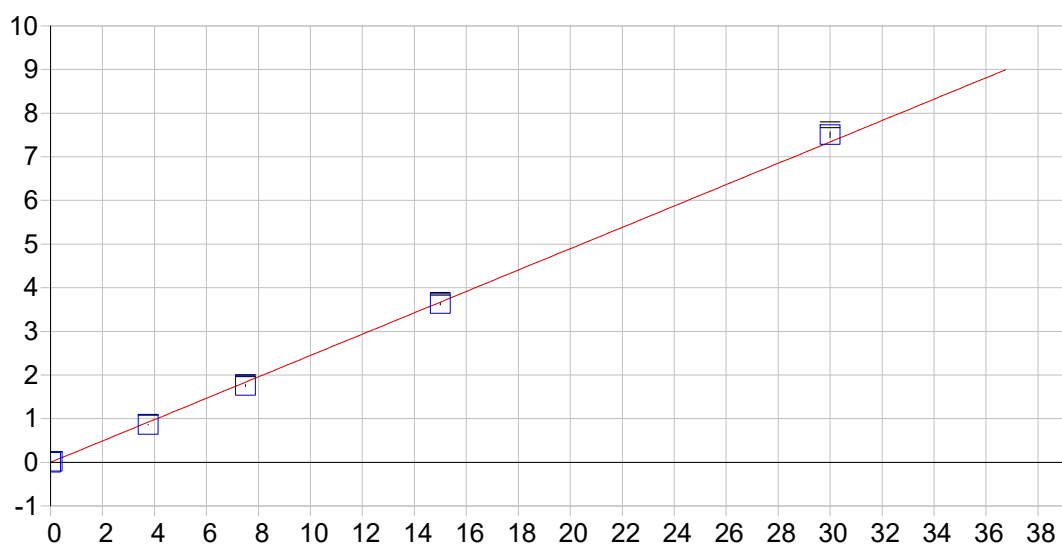


**V 292.402 {115}**

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000245 Re-Slope: 1.000000  
 A1 (Gain): 0.142866 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999767 Status: OK.  
 Std Error of Est: 0.000080  
 Predicted MDL: 0.003081  
 Predicted MQL: 0.010270

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00025 | .000    | 1        |
| S1        | .05000       | .06228      | .012       | 24.6    | .00864  | .001    | 1        |
| S2        | .62500       | .63726      | .012       | 1.96    | .08820  | .002    | 1        |
| S3        | 1.2500       | 1.2698      | .020       | 1.58    | .17596  | .001    | 1        |
| S4        | 2.5000       | 2.5074      | .007       | .297    | .34757  | .002    | 1        |
| S5        | 5.0000       | 4.9479      | -.052      | -1.04   | .68582  | .007    | 1        |

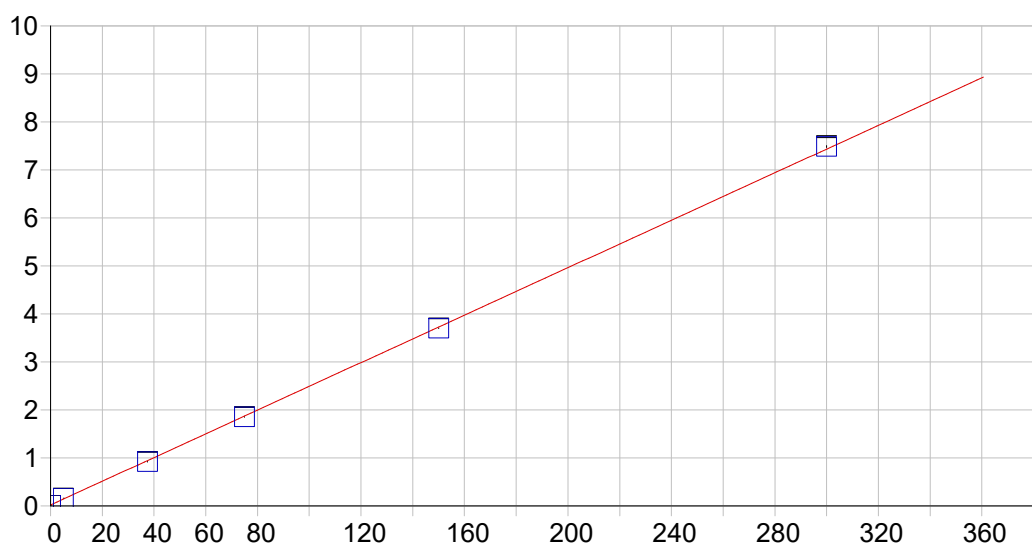


### Zn 213.856 {158}

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000317 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.244741  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999609  | Status:   | OK.      |
| Std Error of Est: | 0.000487  |           |          |
| Predicted MDL:    | 0.002775  |           |          |
| Predicted MQL:    | 0.009250  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00032 | .001    | 1        |
| S1        | .06000       | .06584      | .006       | 9.73    | .01580  | .001    | 1        |
| S2        | 3.7500       | 3.5237      | -.226      | -6.03   | .86208  | .006    | 1        |
| S3        | 7.5000       | 7.1875      | -.312      | -4.17   | 1.7588  | .023    | 1        |
| S4        | 15.000       | 14.854      | -.146      | -.974   | 3.6350  | .028    | 1        |
| S5        | 30.000       | 30.679      | .679       | 2.26    | 7.5081  | .068    | 1        |

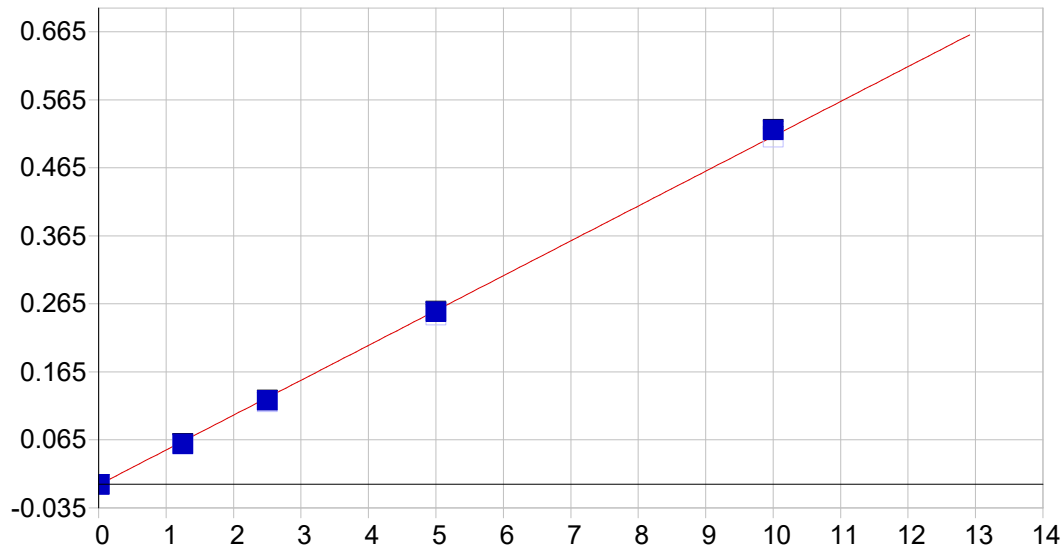


**K 769.896 { 44}**

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.019035 Re-Slope: 1.000000  
 A1 (Gain): 0.024718 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999851 Status: OK.  
 Std Error of Est: 0.000880  
 Predicted MDL: 0.068593  
 Predicted MQL: 0.228644

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00055     | -.001      | .000    | .01902 | .001    | 1        |
| S1        | 5.0000       | 5.7384      | .738       | 14.8    | .16087 | .001    | 1        |
| S2        | 37.500       | 36.457      | -1.04      | -2.78   | .92015 | .005    | 1        |
| S3        | 75.000       | 74.200      | -.800      | -1.07   | 1.8531 | .006    | 1        |
| S4        | 150.00       | 148.97      | -1.03      | -.690   | 3.7011 | .008    | 1        |
| S5        | 300.00       | 302.14      | 2.14       | .713    | 7.4872 | .021    | 1        |

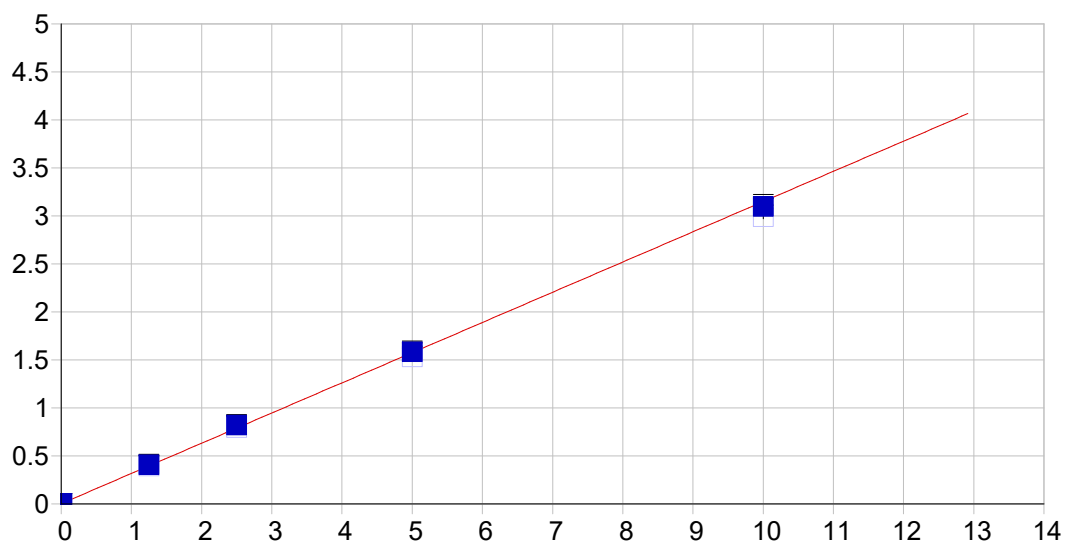


P 177.495 {490}

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001089 Re-Slope: 1.000000  
 A1 (Gain): 0.051249 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999732 Status: OK.  
 Std Error of Est: 0.000019  
 Predicted MDL: 0.003452  
 Predicted MQL: 0.011507

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00109 | .000    | 1        |
| S1        | .01000       | .01012      | .000       | 1.22    | -.00058 | .000    | 1        |
| S2        | 1.2500       | 1.1790      | -.071      | -5.68   | .05801  | .000    | 1        |
| S3        | 2.5000       | 2.4251      | -.075      | -3.00   | .12055  | .000    | 1        |
| S4        | 5.0000       | 4.9681      | -.032      | -.639   | .24824  | .001    | 1        |
| S5        | 10.000       | 10.178      | .178       | 1.78    | .50995  | .001    | 1        |



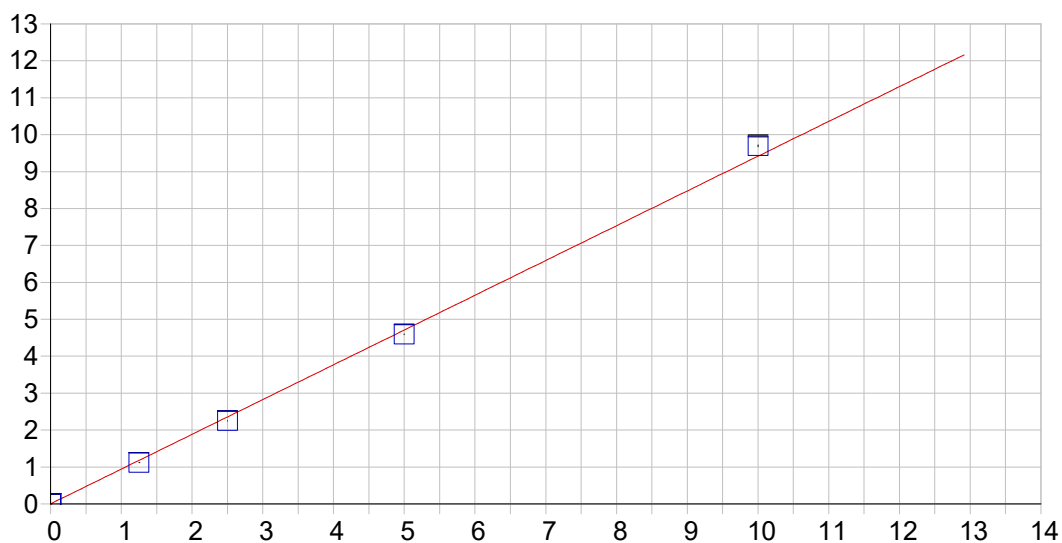
**B 249.678 {135}**

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002334 Re-Slope: 1.000000  
 A1 (Gain): 0.314674 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999781 Status: OK.  
 Std Error of Est: 0.000107  
 Predicted MDL: 0.001374  
 Predicted MQL: 0.004578

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00233 | .000    | 1        |
| S1        | .01000       | .01002      | .000       | .151    | .00548 | .000    | 1        |
| S2        | 1.2500       | 1.2896      | .040       | 3.17    | .39459 | .005    | 1        |
| S3        | 2.5000       | 2.5953      | .095       | 3.81    | .79192 | .008    | 1        |
| S4        | 5.0000       | 5.0270      | .027       | .541    | 1.5300 | .010    | 1        |
| S5        | 10.000       | 9.8380      | -.162      | -1.62   | 2.9897 | .021    | 1        |



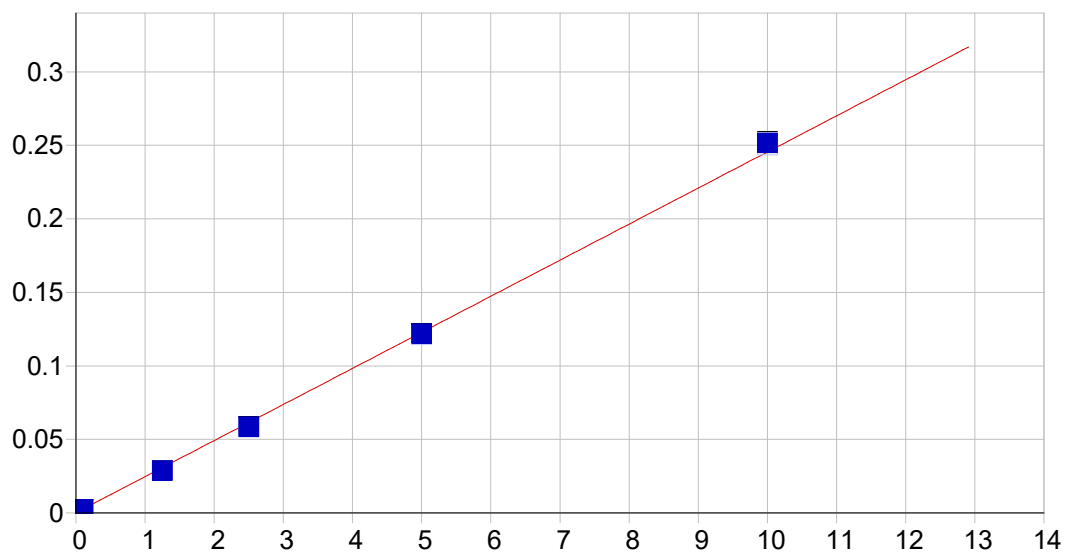


### Mo 202.030 {467}

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000894      Re-Slope: 1.000000  
 A1 (Gain): 0.941694      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999458      Status: OK.  
 Std Error of Est: 0.000520  
 Predicted MDL: 0.000408  
 Predicted MQL: 0.001359

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00089 | .000    | 1        |
| S1        | .01000       | .01107      | .001       | 10.7    | .01132 | .000    | 1        |
| S2        | 1.2500       | 1.1839      | -.066      | -5.29   | 1.1158 | .002    | 1        |
| S3        | 2.5000       | 2.3893      | -.111      | -4.43   | 2.2509 | .003    | 1        |
| S4        | 5.0000       | 4.8781      | -.122      | -2.44   | 4.5946 | .010    | 1        |
| S5        | 10.000       | 10.298      | .298       | 2.98    | 9.6981 | .023    | 1        |

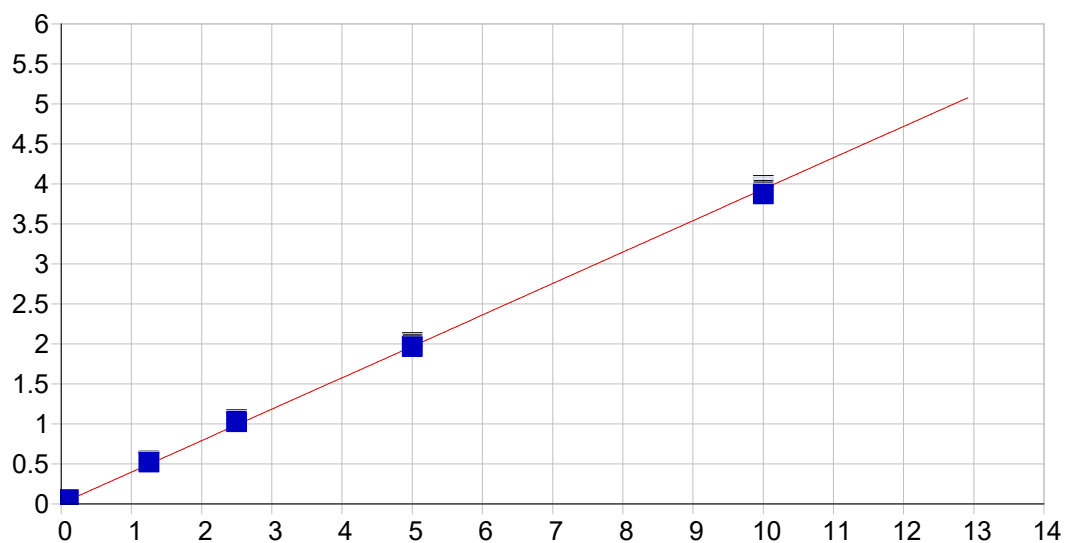


**S 182.034 {485}**

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000145 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.024538 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999504 | Status:   | OK.      |
| Std Error of Est: | 0.000041 |           |          |
| Predicted MDL:    | 0.006747 |           |          |
| Predicted MQL:    | 0.022490 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00014 | .000    | 1        |
| S1        | .10000       | .10128      | .001       | 1.28    | .00263 | .000    | 1        |
| S2        | 1.2500       | 1.1618      | -.088      | -7.06   | .02847 | .000    | 1        |
| S3        | 2.5000       | 2.3804      | -.120      | -4.79   | .05818 | .000    | 1        |
| S4        | 5.0000       | 4.9582      | -.042      | -.836   | .12107 | .000    | 1        |
| S5        | 10.000       | 10.248      | .248       | 2.48    | .25014 | .001    | 1        |

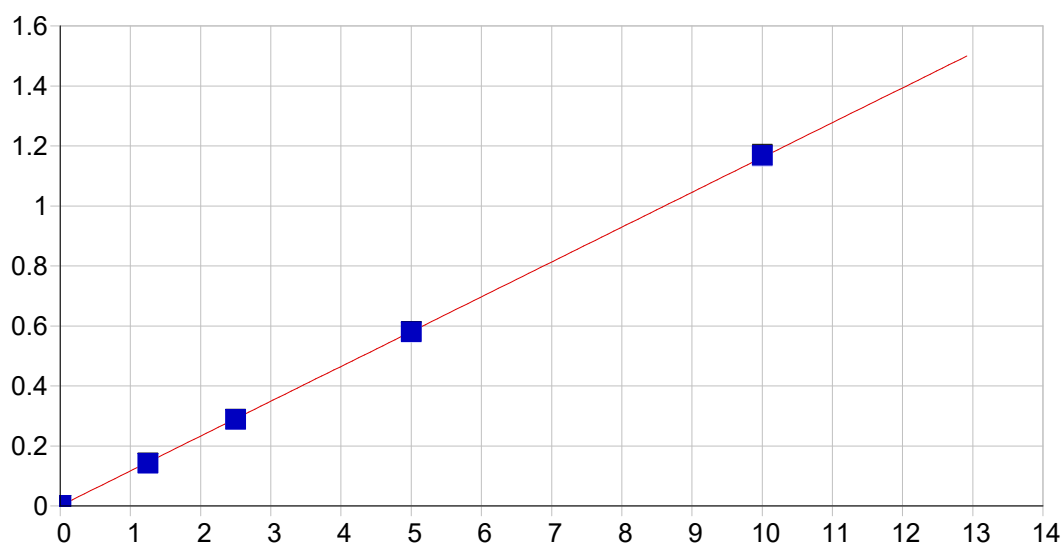


Si 251.611 {134}

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004818 Re-Slope: 1.000000  
 A1 (Gain): 0.392854 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999731 Status: OK.  
 Std Error of Est: 0.000494  
 Predicted MDL: 0.001281  
 Predicted MQL: 0.004270

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00481 | .000    | 1        |
| S1        | .10000       | .11275      | .013       | 12.8    | .04956 | .001    | 1        |
| S2        | 1.2500       | 1.3127      | .063       | 5.01    | .53032 | .007    | 1        |
| S3        | 2.5000       | 2.5912      | .091       | 3.65    | 1.0424 | .011    | 1        |
| S4        | 5.0000       | 4.9898      | -.010      | -.205   | 2.0043 | .010    | 1        |
| S5        | 10.000       | 9.8437      | -.156      | -1.56   | 3.9505 | .030    | 1        |

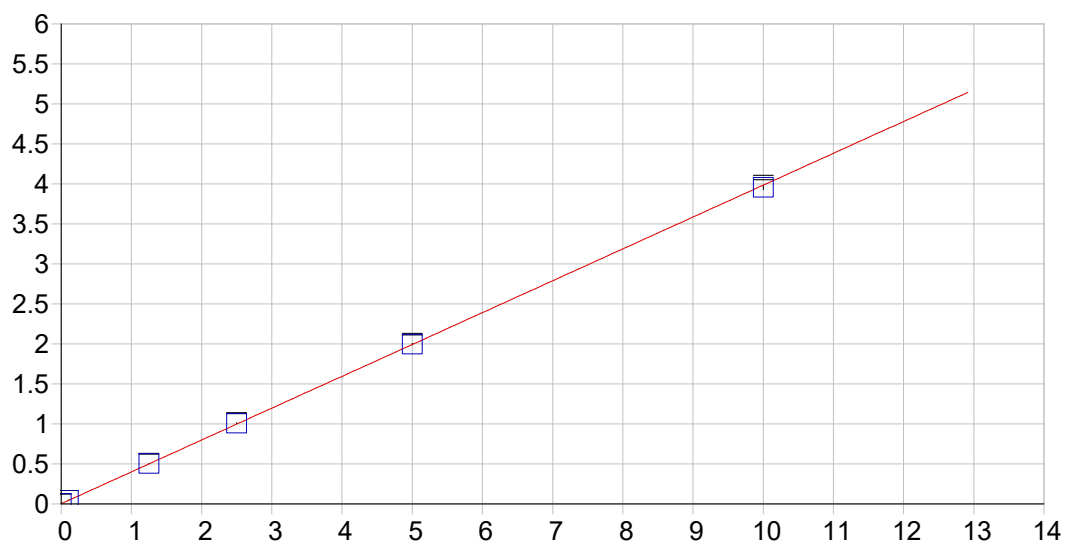


**Sn 189.989 {478}**

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000463 Re-Slope: 1.000000  
 A1 (Gain): 0.116086 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999965 Status: OK.  
 Std Error of Est: 0.000014  
 Predicted MDL: 0.001581  
 Predicted MQL: 0.005270

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00046 | .000    | 1        |
| S1        | .00700       | .00701      | .000       | .182    | .00122 | .000    | 1        |
| S2        | 1.2500       | 1.2212      | -.029      | -2.31   | .14170 | .001    | 1        |
| S3        | 2.5000       | 2.4755      | -.024      | -.978   | .28680 | .002    | 1        |
| S4        | 5.0000       | 4.9917      | -.008      | -.166   | .57785 | .001    | 1        |
| S5        | 10.000       | 10.062      | .062       | .616    | 1.1643 | .003    | 1        |

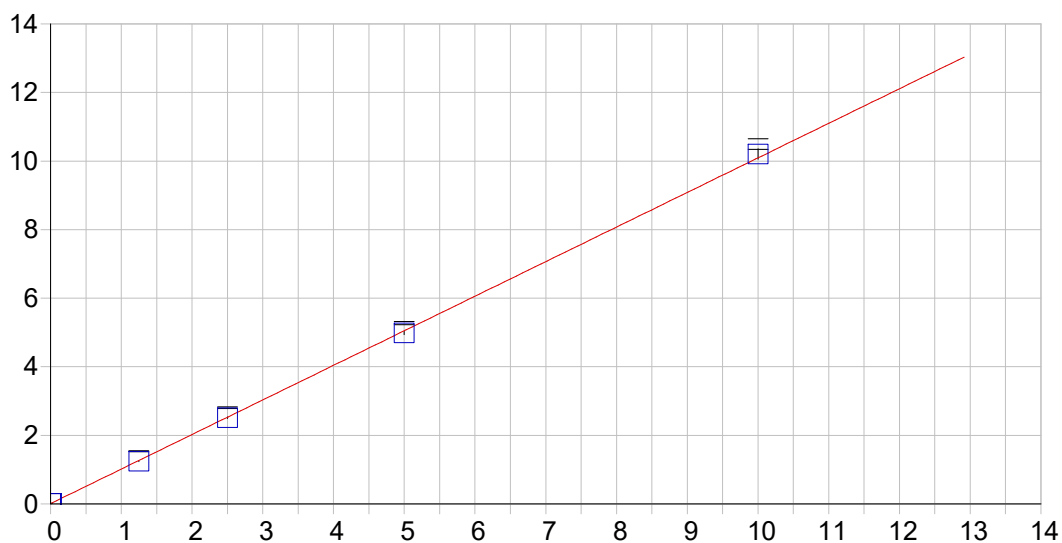


**Ti 336.121 {100}**

Date of Fit: 10/20/2022 15:54:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.002023 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.398165 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999900 | Status:   | OK.      |
| Std Error of Est: | 0.000299 |           |          |
| Predicted MDL:    | 0.001455 |           |          |
| Predicted MQL:    | 0.004851 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00202 | .000    | 1        |
| S1        | .10000       | .11623      | .016       | 16.2    | .04830 | .000    | 1        |
| S2        | 1.2500       | 1.2644      | .014       | 1.15    | .50546 | .004    | 1        |
| S3        | 2.5000       | 2.5312      | .031       | 1.25    | 1.0099 | .005    | 1        |
| S4        | 5.0000       | 5.0121      | .012       | .241    | 1.9977 | .008    | 1        |
| S5        | 10.000       | 9.9261      | -.074      | -.739   | 3.9543 | .028    | 1        |

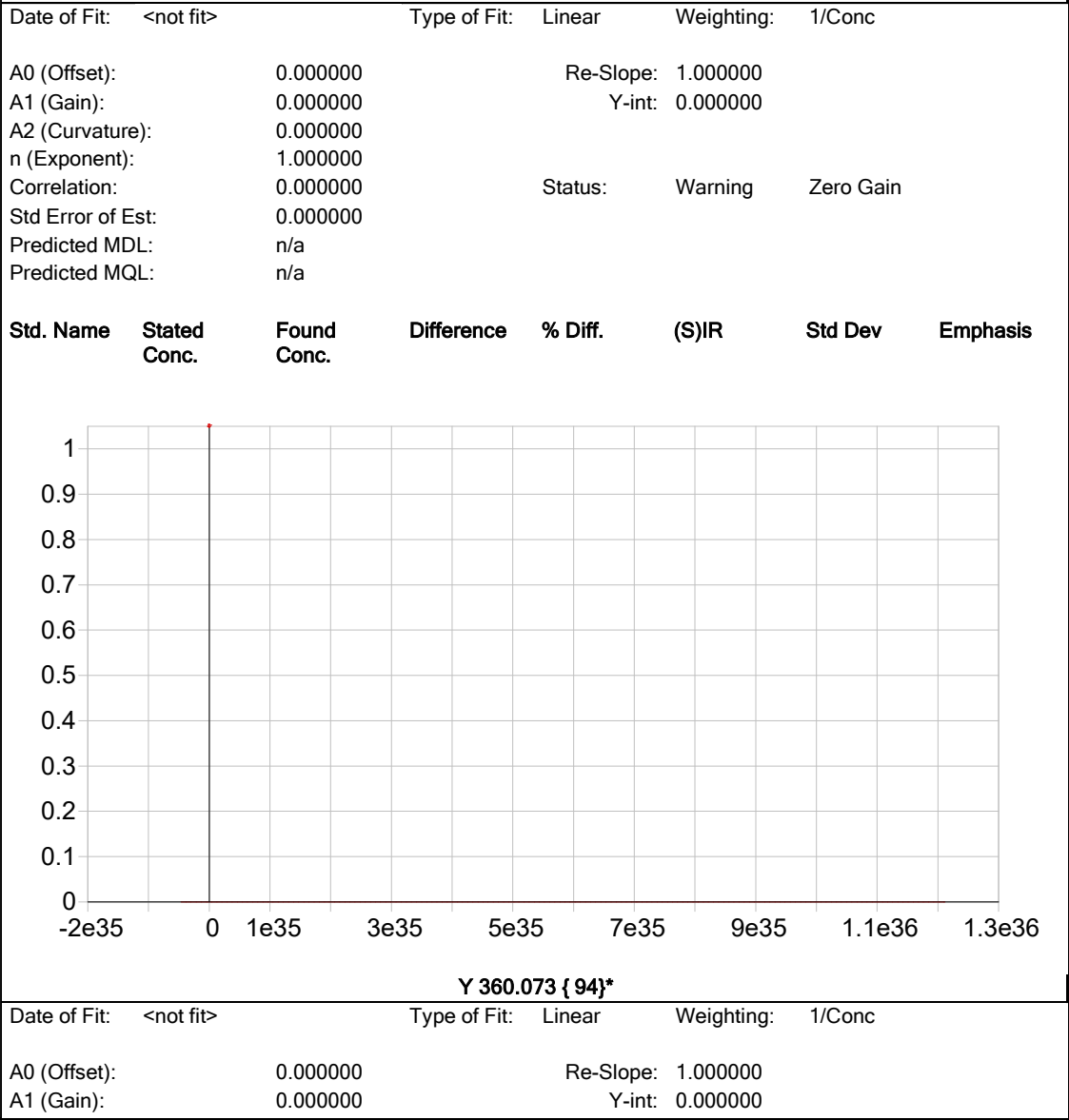
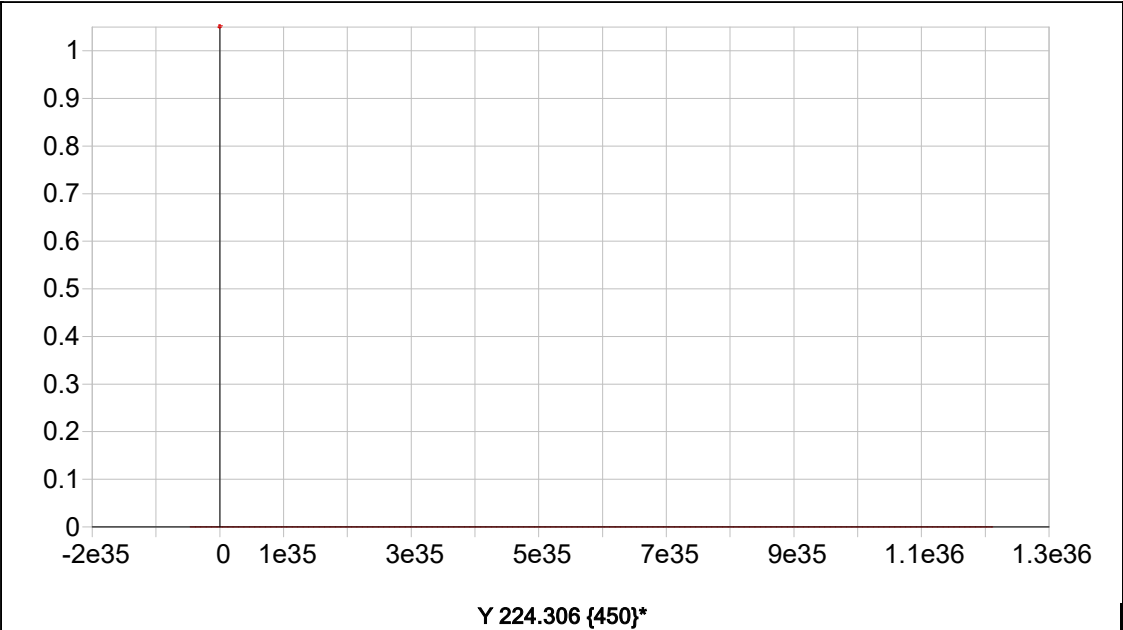


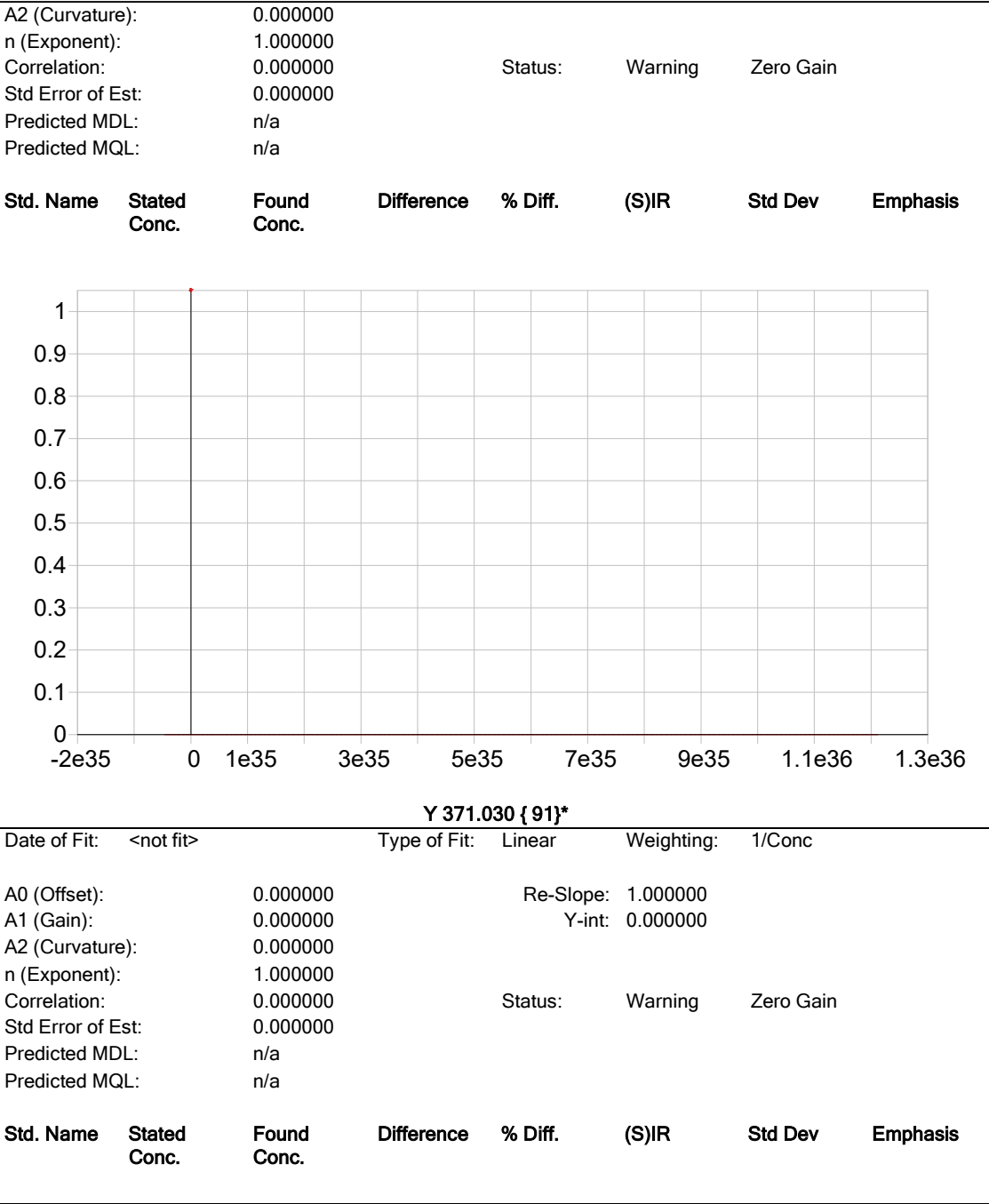
Li 670.784 { 50}

Date of Fit: 10/20/2022 15:54:55 Type of Fit: Linear Weighting: 1/Conc

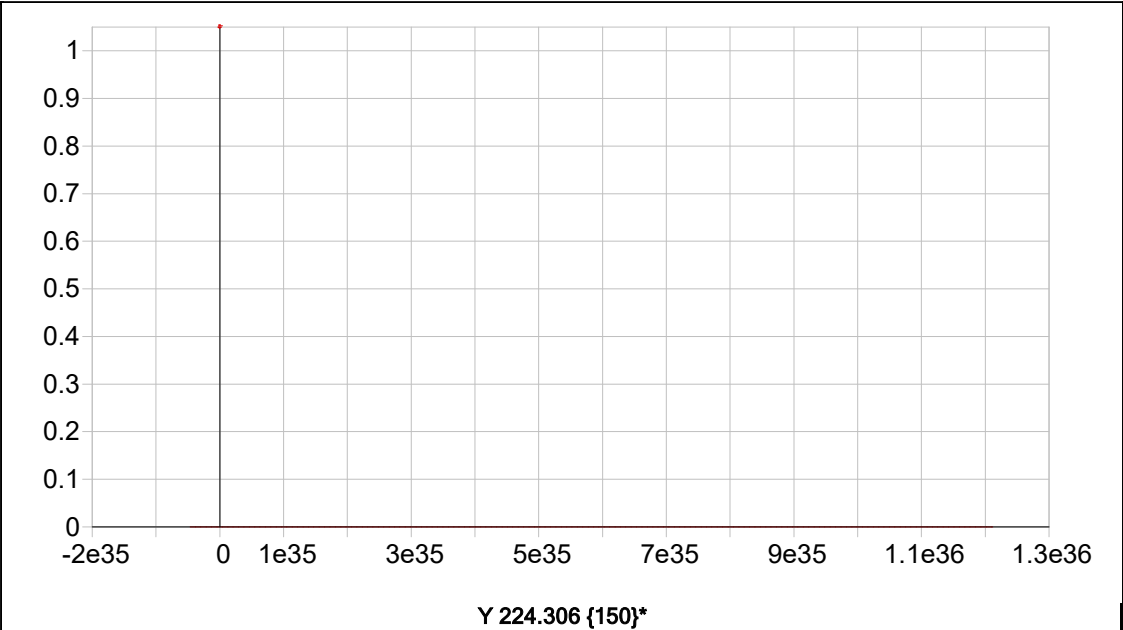
A0 (Offset): 0.007749 Re-Slope: 1.000000  
 A1 (Gain): 1.008425 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999925 Status: OK.  
 Std Error of Est: 0.000254  
 Predicted MDL: 0.001880  
 Predicted MQL: 0.006266

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00775 | .002    | 1        |
| S5        | 10.000       | 10.111      | .111       | 1.11    | 10.204 | .155    | 1        |
| S4        | 5.0000       | 4.9315      | -.069      | -1.37   | 4.9808 | .046    | 1        |
| S3        | 2.5000       | 2.4837      | -.016      | -.653   | 2.5123 | .022    | 1        |
| S2        | 1.2500       | 1.2250      | -.025      | -2.00   | 1.2430 | .014    | 1        |
| S1        | .01500       | .01409      | -.001      | -6.09   | .02195 | .000    | 1        |









|                   |           |              |          |            |        |
|-------------------|-----------|--------------|----------|------------|--------|
| 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 |

