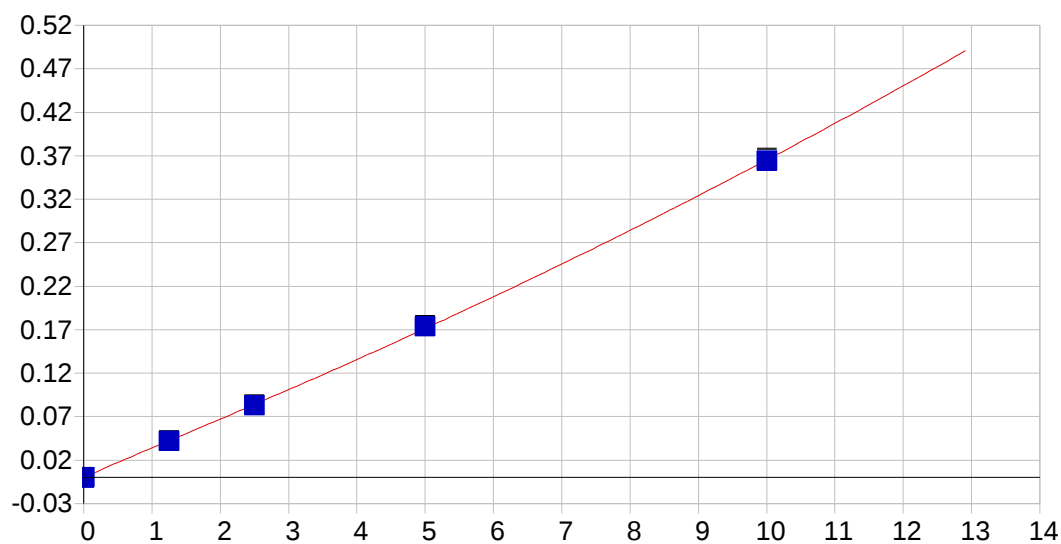




As 189.042 {479}

Date of Fit: 7/25/2018 17:54:47

Type of Fit: Full Fit

Weighting: 1/Conc

A0 (Offset): -0.000479

Re-Slope: 1.000000

A1 (Gain): 0.033439

Y-int: 0.000000

A2 (Curvature): 0.001118

n (Exponent): 0.930000

Correlation: 0.999950

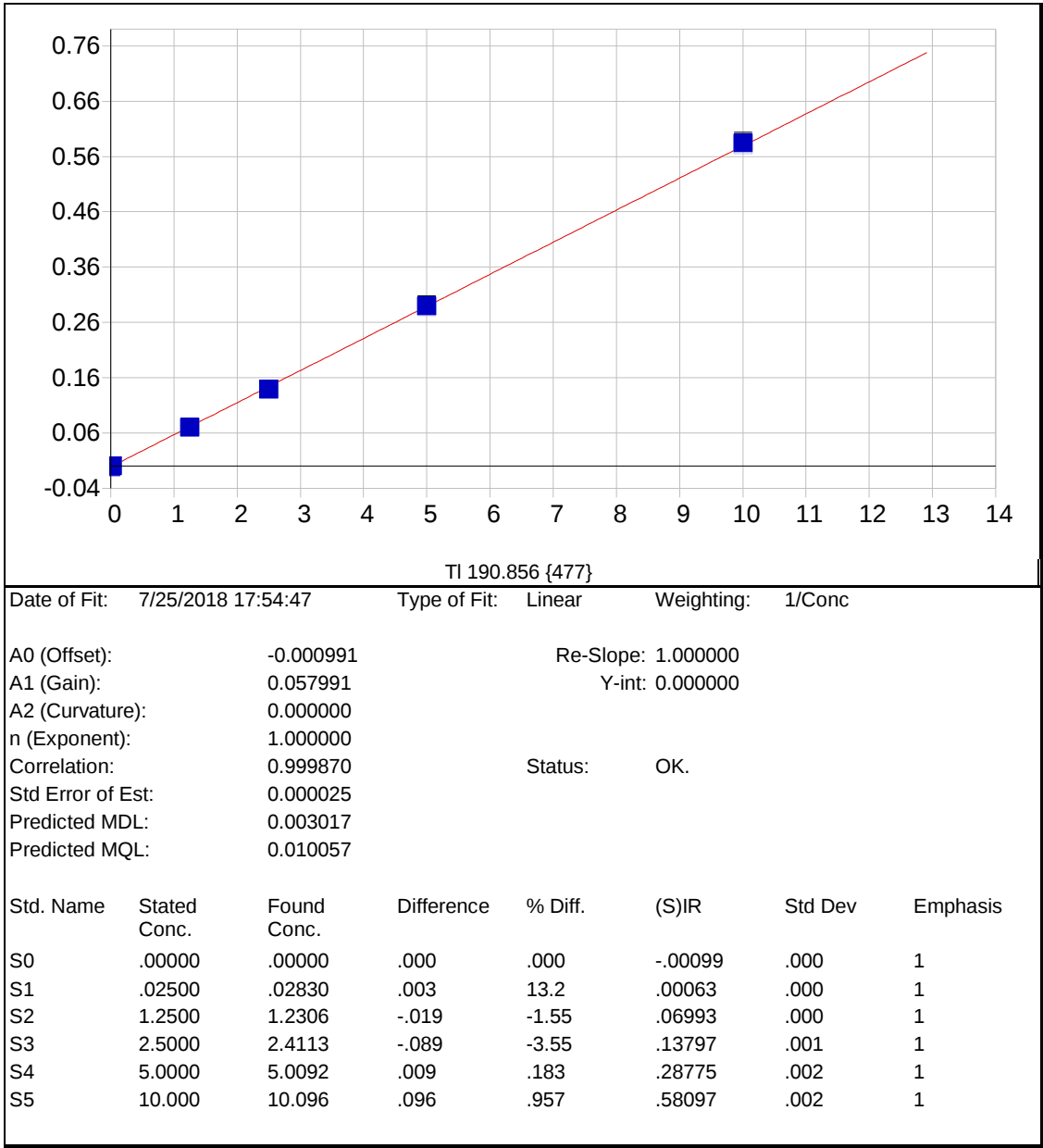
Status: Warning Positive Curvature

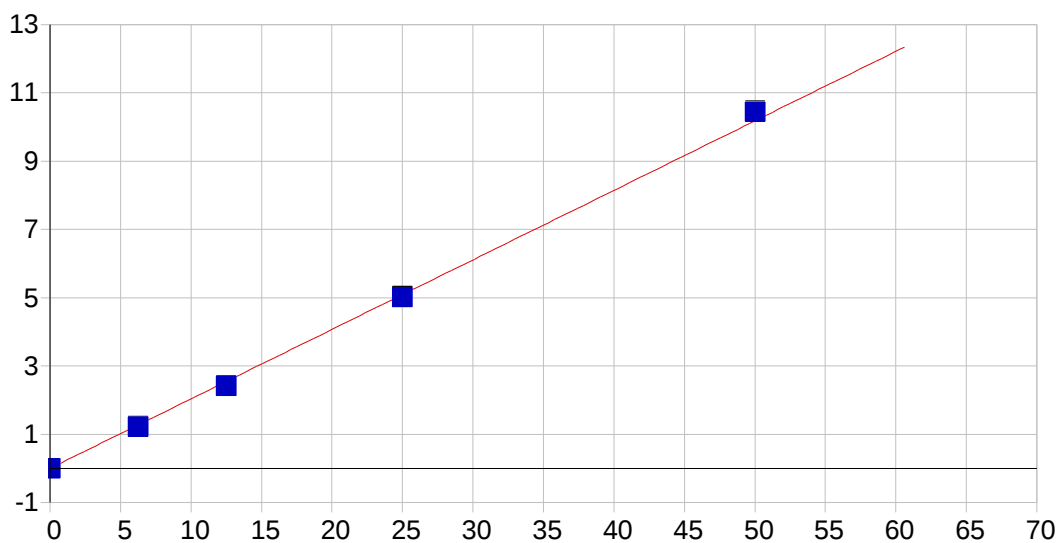
Std Error of Est: 0.000008

Predicted MDL: 0.004237

Predicted MQL: 0.014125

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00048 | .000    | 1        |
| S1        | .01000       | .01168      | .002       | 16.8    | .00005  | .000    | 1        |
| S2        | 1.2500       | 1.2422      | -.008      | -.620   | .04221  | .000    | 1        |
| S3        | 2.5000       | 2.4620      | -.038      | -1.52   | .08299  | .001    | 1        |
| S4        | 5.0000       | 5.0645      | .064       | 1.29    | .17394  | .001    | 1        |
| S5        | 10.000       | 9.9795      | -.020      | -.205   | .36509  | .002    | 1        |



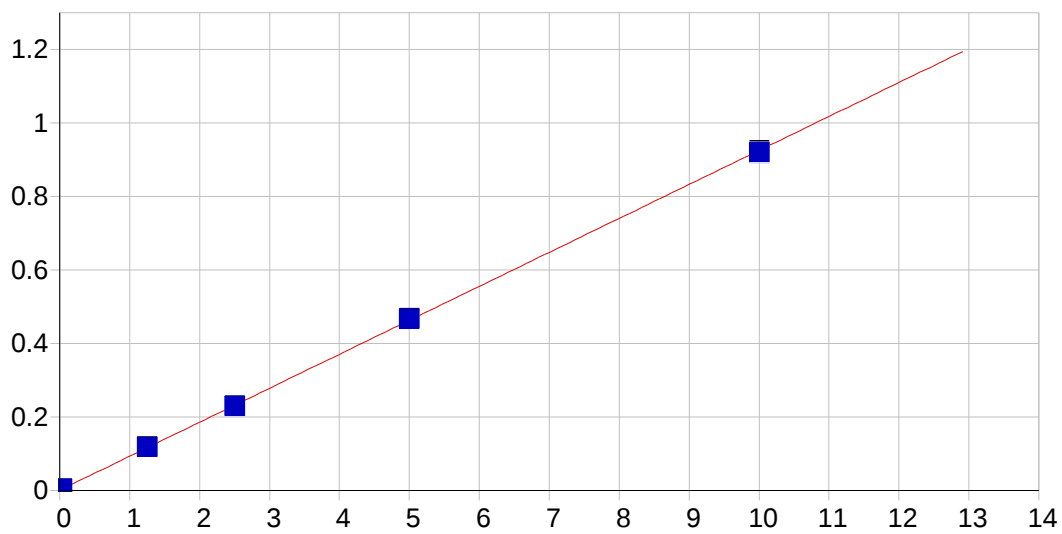


Pb 220.353 {453}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000626 Re-Slope: 1.000000  
 A1 (Gain): 0.203640 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999539 Status: OK.  
 Std Error of Est: 0.000232  
 Predicted MDL: 0.002150  
 Predicted MQL: 0.007166

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00063 | .000    | 1        |
| S1        | .01000       | .01258      | .003       | 25.8    | .00195  | .000    | 1        |
| S2        | 6.2500       | 6.0147      | -.235      | -3.76   | 1.2260  | .004    | 1        |
| S3        | 12.500       | 11.819      | -.681      | -5.45   | 2.4096  | .008    | 1        |
| S4        | 25.000       | 24.610      | -.390      | -1.56   | 5.0180  | .028    | 1        |
| S5        | 50.000       | 51.304      | 1.30       | 2.61    | 10.461  | .016    | 1        |



Se 196.090 {472}

Date of Fit: 7/25/2018 17:54:47

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000818

Re-Slope: 1.000000

A1 (Gain): 0.092441

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999933

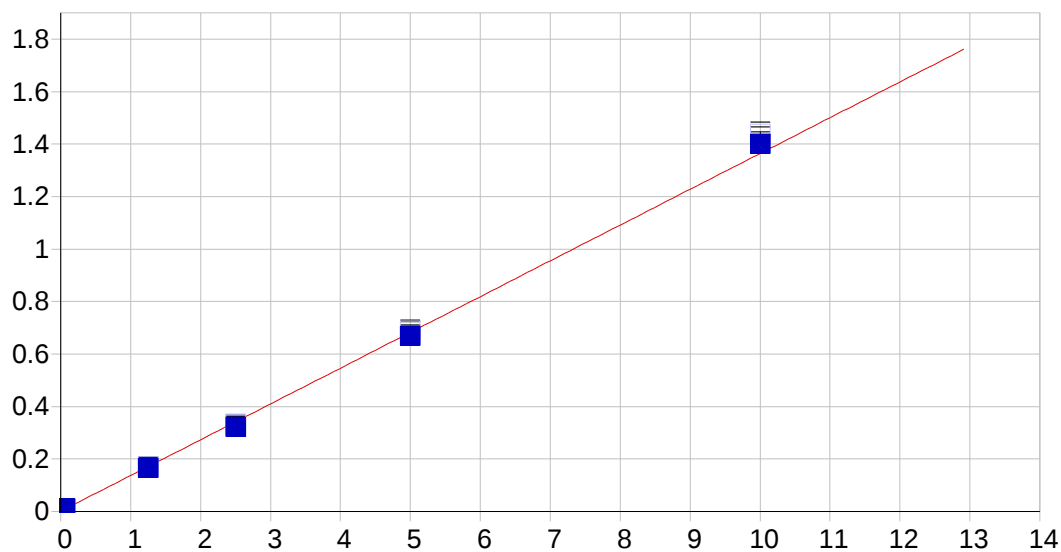
Status: OK.

Std Error of Est: 0.000033

Predicted MDL: 0.002451

Predicted MQL: 0.008169

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00082 | .000    | 1        |
| S1        | .03500       | .04107      | .006       | 17.4    | .00461 | .000    | 1        |
| S2        | 1.2500       | 1.2723      | .022       | 1.79    | .11789 | .000    | 1        |
| S3        | 2.5000       | 2.4732      | -.027      | -1.07   | .22836 | .001    | 1        |
| S4        | 5.0000       | 5.0493      | .049       | .986    | .46541 | .001    | 1        |
| S5        | 10.000       | 9.9490      | -.051      | -.510   | .91618 | .005    | 1        |

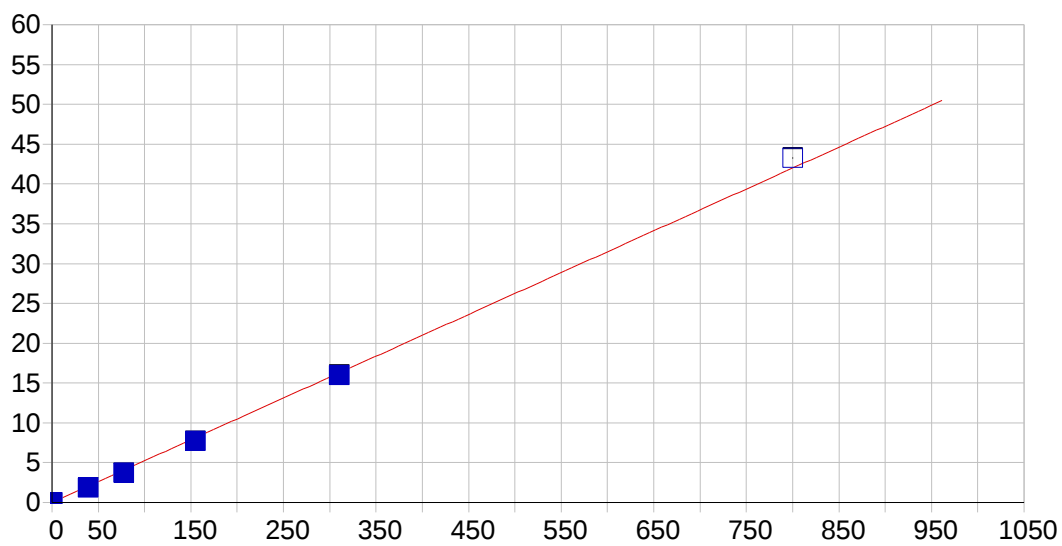


Sb 206.833 {463}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000744 Re-Slope: 1.000000  
 A1 (Gain): 0.136336 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999535 Status: OK.  
 Std Error of Est: 0.000176  
 Predicted MDL: 0.001856  
 Predicted MQL: 0.006186

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00074 | .000    | 1        |
| S1        | .06000       | .06449      | .004       | 7.49    | .00953 | .000    | 1        |
| S2        | 1.2500       | 1.2131      | -.037      | -2.95   | .17077 | .001    | 1        |
| S3        | 2.5000       | 2.3569      | -.143      | -5.72   | .33136 | .002    | 1        |
| S4        | 5.0000       | 4.9081      | -.092      | -1.84   | .68847 | .003    | 1        |
| S5        | 10.000       | 10.267      | .267       | 2.67    | 1.4377 | .009    | 1        |

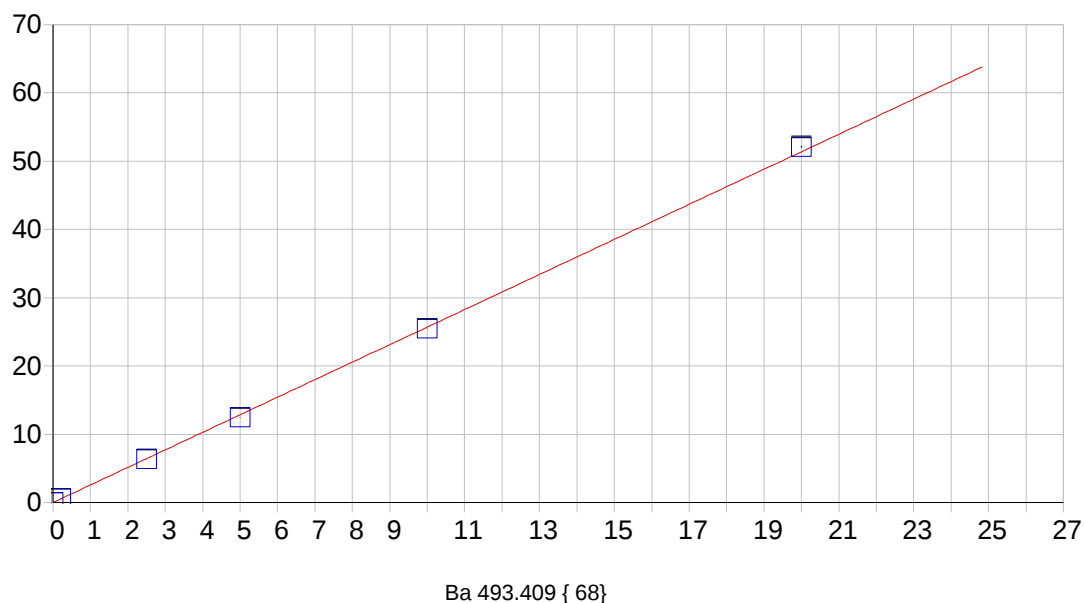


AI 396.152 { 85}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.006397 Re-Slope: 1.000000  
 A1 (Gain): 0.052477 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999189 Status: OK.  
 Std Error of Est: 0.001315  
 Predicted MDL: 0.023064  
 Predicted MQL: 0.076879

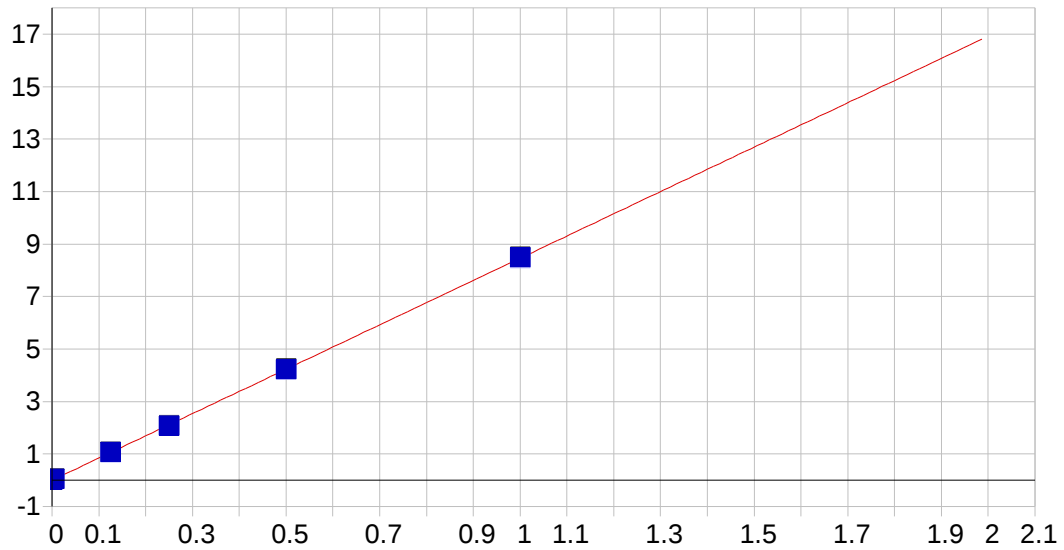
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00003      | .000       | .000    | .00640 | .001    | 1        |
| S1        | .20000       | .20947      | .009       | 4.73    | .01740 | .001    | 1        |
| S2        | 38.750       | 35.576      | -3.17      | -8.19   | 1.8752 | .007    | 1        |
| S3        | 77.500       | 70.349      | -7.15      | -9.23   | 3.7018 | .012    | 1        |
| S4        | 155.00       | 146.50      | -8.50      | -5.49   | 7.7017 | .036    | 1        |
| S5        | 310.00       | 304.30      | -5.70      | -1.84   | 15.990 | .083    | 1        |
| S6        | 800.00       | 824.54      | 24.5       | 3.07    | 43.275 | .080    | 1        |



Date of Fit: 7/25/2018 17:54:47      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |                    |
|-------------------|----------|--------------------|
| A0 (Offset):      | 0.007623 | Re-Slope: 1.000000 |
| A1 (Gain):        | 2.569294 | Y-int: 0.000000    |
| A2 (Curvature):   | 0.000000 |                    |
| n (Exponent):     | 1.000000 |                    |
| Correlation:      | 0.999801 | Status: OK.        |
| Std Error of Est: | 0.005444 |                    |
| Predicted MDL:    | 0.001130 |                    |
| Predicted MQL:    | 0.003768 |                    |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | .000       | .000    | .00758 | .003    | 1        |
| S1        | .20000       | .22740      | .027       | 13.7    | .59188 | .003    | 1        |
| S2        | 2.5000       | 2.4528      | -.047      | -1.89   | 6.3097 | .022    | 1        |
| S3        | 5.0000       | 4.8335      | -.166      | -3.33   | 12.426 | .031    | 1        |
| S4        | 10.000       | 9.9063      | -.094      | -.937   | 25.460 | .034    | 1        |
| S5        | 20.000       | 20.280      | .280       | 1.40    | 52.113 | .139    | 1        |

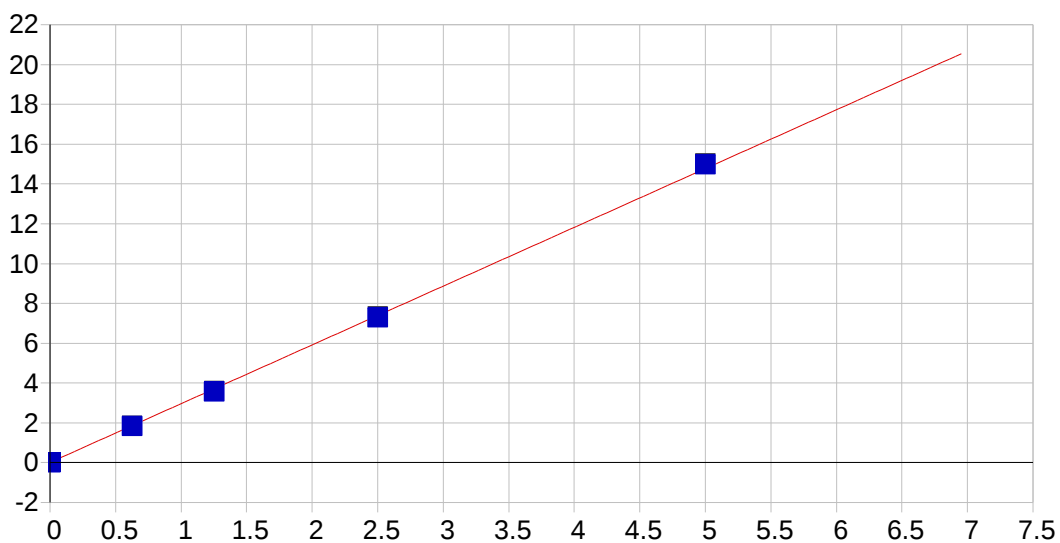


Be 234.861 {144}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001570 Re-Slope: 1.000000  
 A1 (Gain): 8.461865 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999943 Status: OK.  
 Std Error of Est: 0.000337  
 Predicted MDL: 0.000073  
 Predicted MQL: 0.000244

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00158 | .000    | 1        |
| S1        | .00500       | .00574      | .001       | 14.9    | .04700  | .001    | 1        |
| S2        | .12500       | .12537      | .000       | .293    | 1.0546  | .008    | 1        |
| S3        | .25000       | .24531      | -.005      | -1.88   | 2.0650  | .012    | 1        |
| S4        | .50000       | .50013      | .000       | .025    | 4.2119  | .010    | 1        |
| S5        | 1.0000       | 1.0034      | .003       | .345    | 8.4525  | .020    | 1        |

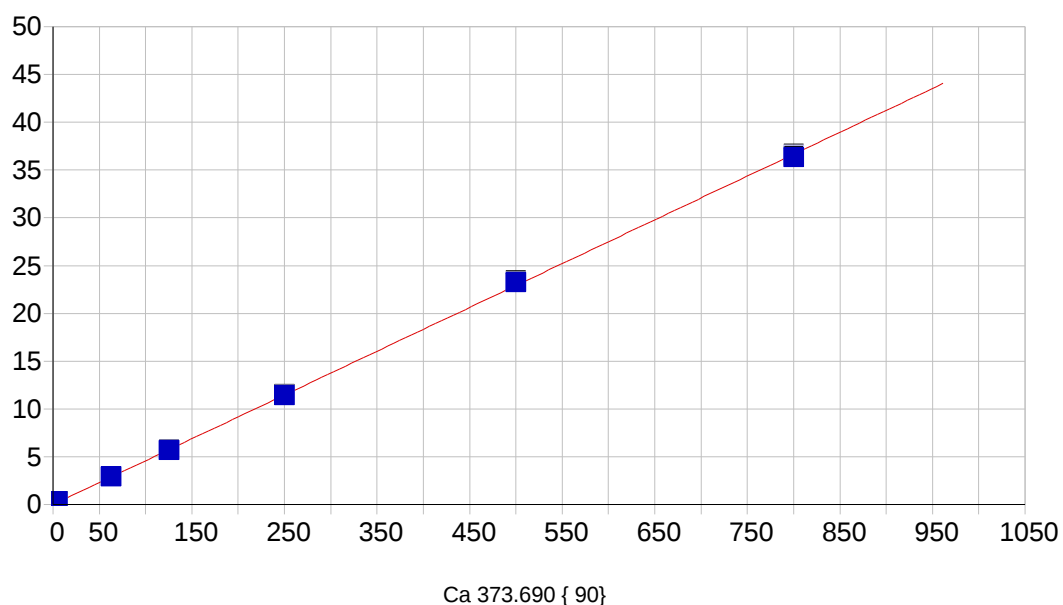


Cd 214.438 {457}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000434 Re-Slope: 1.000000  
 A1 (Gain): 2.952601 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999838 Status: OK.  
 Std Error of Est: 0.000447  
 Predicted MDL: 0.000104  
 Predicted MQL: 0.000348

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00044 | .000    | 1        |
| S1        | .00500       | .00597      | .001       | 19.4    | .01721  | .000    | 1        |
| S2        | .62500       | .62396      | -.001      | -.167   | 1.8457  | .008    | 1        |
| S3        | 1.2500       | 1.2066      | -.043      | -3.47   | 3.5699  | .011    | 1        |
| S4        | 2.5000       | 2.4715      | -.029      | -1.14   | 7.3120  | .028    | 1        |
| S5        | 5.0000       | 5.0720      | .072       | 1.44    | 15.005  | .022    | 1        |



Date of Fit: 7/25/2018 17:54:47

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.003408

Re-Slope: 1.000000

A1 (Gain): 0.045820

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999922

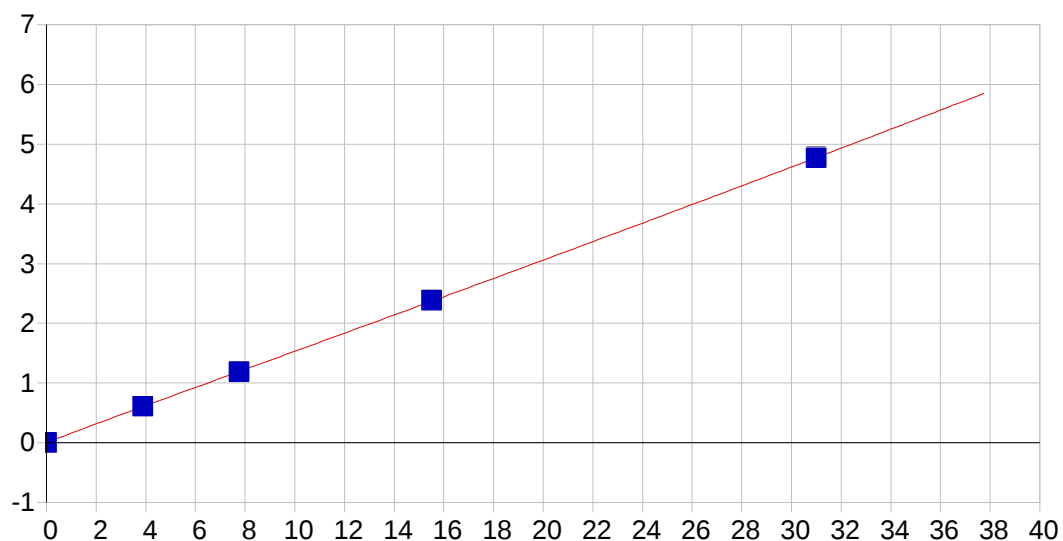
Status: OK.

Std Error of Est: 0.002012

Predicted MDL: 0.025083

Predicted MQL: 0.083610

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00068     | -.001      | .000    | .00338 | .001    | 1        |
| S1        | 5.0000       | 5.6626      | .663       | 13.3    | .26289 | .001    | 1        |
| S2        | 62.500       | 63.209      | .709       | 1.13    | 2.9098 | .010    | 1        |
| S3        | 125.00       | 123.38      | -1.62      | -1.29   | 5.6772 | .007    | 1        |
| S4        | 250.00       | 249.73      | -.270      | -.108   | 11.487 | .033    | 1        |
| S5        | 500.00       | 507.18      | 7.18       | 1.44    | 23.324 | .113    | 1        |
| S6        | 800.00       | 793.35      | -6.65      | -.831   | 36.572 | .126    | 1        |

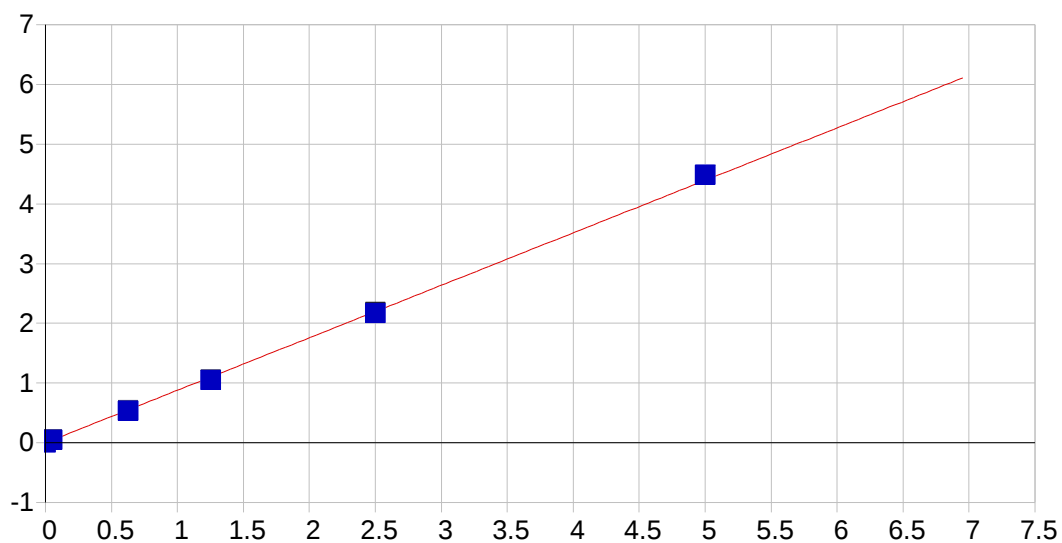


Cr 267.716 {126}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Full Fit Weighting: 1/Conc

A0 (Offset): 0.000011 Re-Slope: 1.000000  
 A1 (Gain): 0.160967 Y-int: 0.000000  
 A2 (Curvature): 0.000349  
 n (Exponent): 0.970000  
 Correlation: 0.999992 Status: Warning Positive Curvature  
 Std Error of Est: 0.000026  
 Predicted MDL: 0.000832  
 Predicted MQL: 0.002775

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00001 | .000    | 1        |
| S1        | .01000       | .01015      | .000       | 1.46    | .00189 | .000    | 1        |
| S2        | 3.8750       | 3.8942      | .019       | .496    | .60778 | .002    | 1        |
| S3        | 7.7500       | 7.6825      | -.067      | -.871   | 1.1837 | .001    | 1        |
| S4        | 15.500       | 15.567      | .067       | .435    | 2.3839 | .004    | 1        |
| S5        | 31.000       | 30.981      | -.019      | -.061   | 4.7805 | .009    | 1        |

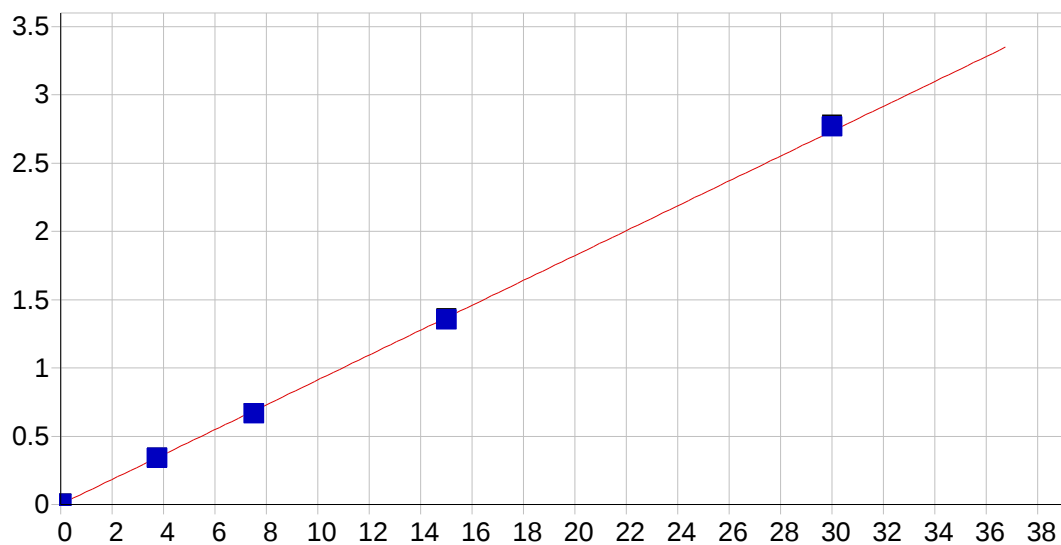


Co 228.616 {448}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000072 Re-Slope: 1.000000  
 A1 (Gain): 0.878724 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999678 Status: OK.  
 Std Error of Est: 0.000593  
 Predicted MDL: 0.000340  
 Predicted MQL: 0.001133

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00007 | .000    | 1        |
| S1        | .05000       | .05610      | .006       | 12.2    | .04939  | .001    | 1        |
| S2        | .62500       | .61040      | -.015      | -2.34   | .53739  | .003    | 1        |
| S3        | 1.2500       | 1.1927      | -.057      | -4.58   | 1.0502  | .002    | 1        |
| S4        | 2.5000       | 2.4671      | -.033      | -1.31   | 2.1722  | .012    | 1        |
| S5        | 5.0000       | 5.0986      | .099       | 1.97    | 4.4889  | .006    | 1        |

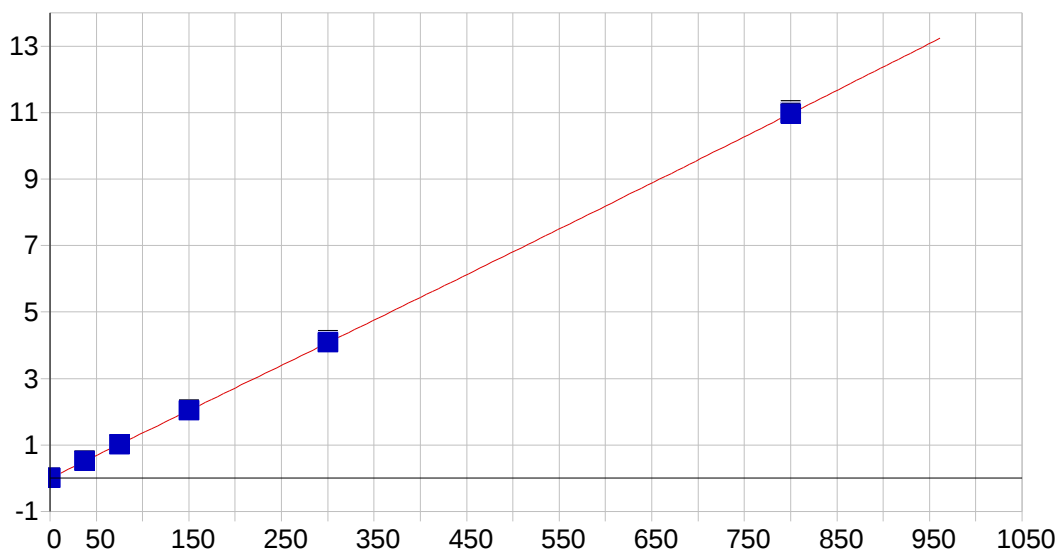


Cu 324.754 {104}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001433 Re-Slope: 1.000000  
 A1 (Gain): 0.091085 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999881 Status: OK.  
 Std Error of Est: 0.000065  
 Predicted MDL: 0.006912  
 Predicted MQL: 0.023039

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00143 | .000    | 1        |
| S1        | .02500       | .02201      | -.003      | -12.0   | .00343 | .001    | 1        |
| S2        | 3.7500       | 3.7160      | -.034      | -.906   | .33970 | .001    | 1        |
| S3        | 7.5000       | 7.2851      | -.215      | -2.87   | .66457 | .002    | 1        |
| S4        | 15.000       | 14.857      | -.143      | -.956   | 1.3538 | .006    | 1        |
| S5        | 30.000       | 30.395      | .395       | 1.32    | 2.7683 | .009    | 1        |

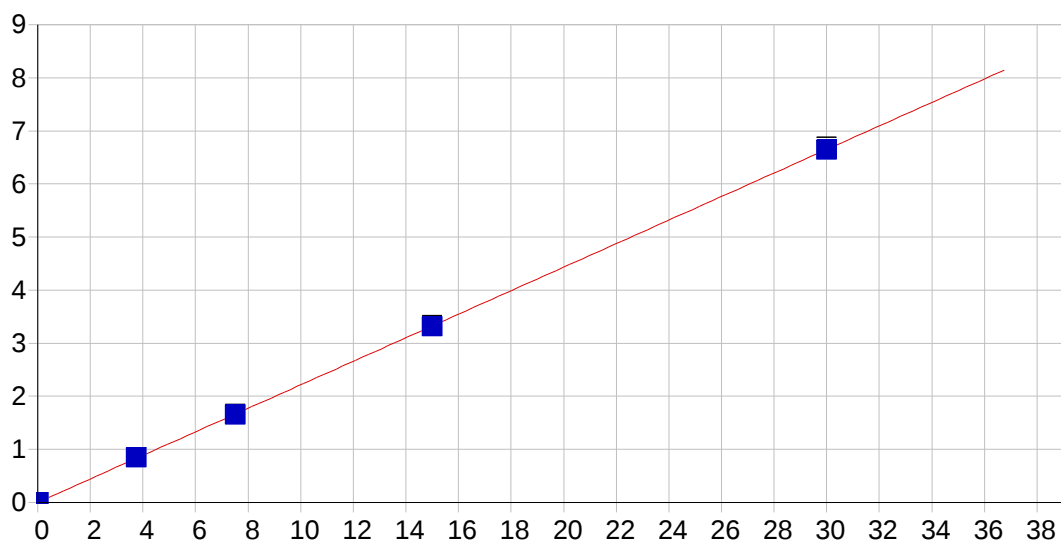


Fe 259.837 {130}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Full Fit Weighting: 1/Conc

A0 (Offset): -0.000051 Re-Slope: 1.000000  
 A1 (Gain): 0.014207 Y-int: 0.000000  
 A2 (Curvature): 0.000001  
 n (Exponent): 0.990000  
 Correlation: 0.999988 Status: Warning Positive Curvature  
 Std Error of Est: 0.000038  
 Predicted MDL: 0.022181  
 Predicted MQL: 0.073938

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00005 | .000    | 1        |
| S1        | .10000       | .12837      | .028       | 28.4    | .00184  | .000    | 1        |
| S2        | 37.500       | 37.736      | .236       | .630    | .52060  | .000    | 1        |
| S3        | 75.000       | 73.794      | -1.21      | -1.61   | 1.0129  | .004    | 1        |
| S4        | 150.00       | 150.21      | .208       | .138    | 2.0534  | .014    | 1        |
| S5        | 300.00       | 301.08      | 1.08       | .359    | 4.1117  | .035    | 1        |
| S6        | 800.00       | 799.66      | -.336      | -.042   | 11.016  | .043    | 1        |

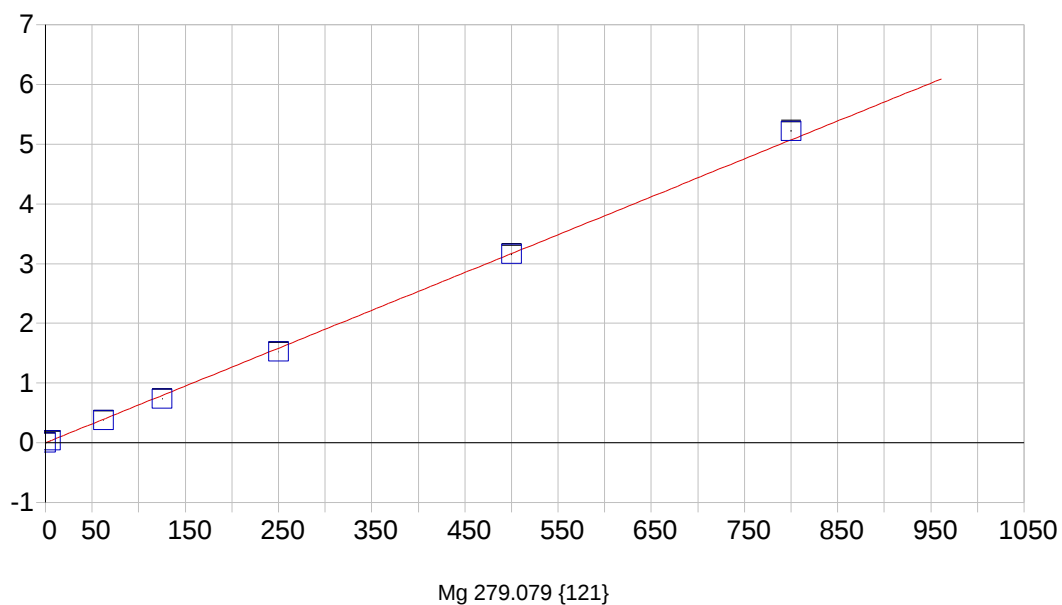


Mn 257.610 {131}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000134 Re-Slope: 1.000000  
 A1 (Gain): 0.221639 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999981 Status: OK.  
 Std Error of Est: 0.000048  
 Predicted MDL: 0.001523  
 Predicted MQL: 0.005077

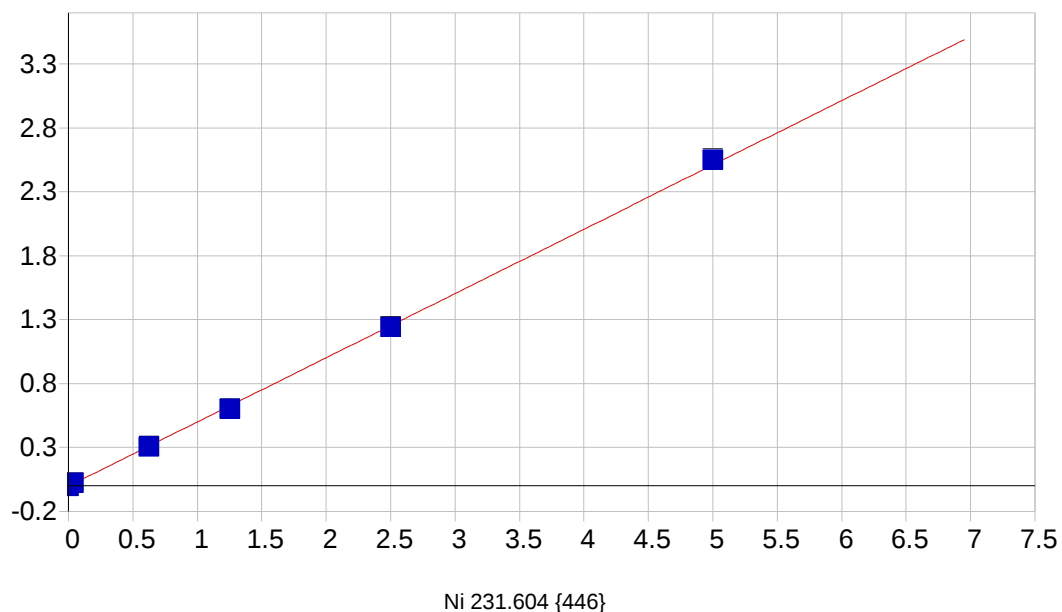
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00013 | .000    | 1        |
| S1        | .01500       | .01787      | .003       | 19.2    | .00410 | .000    | 1        |
| S2        | 3.7500       | 3.8195      | .070       | 1.85    | .84688 | .004    | 1        |
| S3        | 7.5000       | 7.4611      | -.039      | -.519   | 1.6542 | .006    | 1        |
| S4        | 15.000       | 14.975      | -.025      | -.164   | 3.3200 | .021    | 1        |
| S5        | 30.000       | 29.991      | -.009      | -.029   | 6.6489 | .046    | 1        |



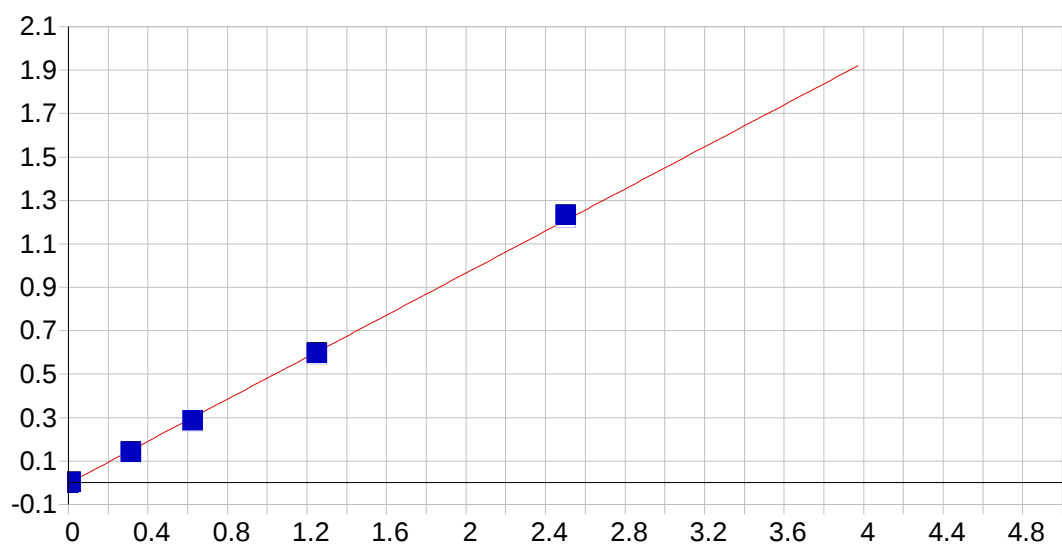
Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000490 Re-Slope: 1.000000  
 A1 (Gain): 0.006338 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999447 Status: OK.  
 Std Error of Est: 0.000736  
 Predicted MDL: 0.067211  
 Predicted MQL: 0.224037

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00033      | .000       | .000    | -.00049 | .000    | 1        |
| S1        | 5.0000       | 5.3720      | .372       | 7.44    | .03355  | .001    | 1        |
| S2        | 62.500       | 58.971      | -3.53      | -5.65   | .37324  | .002    | 1        |
| S3        | 125.00       | 116.23      | -8.77      | -7.02   | .73610  | .002    | 1        |
| S4        | 250.00       | 240.17      | -9.83      | -3.93   | 1.5216  | .008    | 1        |
| S5        | 500.00       | 498.20      | -1.80      | -.361   | 3.1568  | .016    | 1        |
| S6        | 800.00       | 823.57      | 23.6       | 2.95    | 5.2189  | .013    | 1        |



|                   |              |                    |            |              |         |            |          |  |
|-------------------|--------------|--------------------|------------|--------------|---------|------------|----------|--|
| Date of Fit:      |              | 7/25/2018 17:54:47 |            | Type of Fit: | Linear  | Weighting: | 1/Conc   |  |
| A0 (Offset):      |              | -0.001904          |            | Re-Slope:    |         | 1.000000   |          |  |
| A1 (Gain):        |              | 0.502368           |            | Y-int:       |         | 0.000000   |          |  |
| A2 (Curvature):   |              | 0.000000           |            |              |         |            |          |  |
| n (Exponent):     |              | 1.000000           |            |              |         |            |          |  |
| Correlation:      |              | 0.999748           |            | Status:      | OK.     |            |          |  |
| Std Error of Est: |              | 0.000269           |            |              |         |            |          |  |
| Predicted MDL:    |              | 0.000607           |            |              |         |            |          |  |
| Predicted MQL:    |              | 0.002022           |            |              |         |            |          |  |
|                   |              |                    |            |              |         |            |          |  |
| Std. Name         | Stated Conc. | Found Conc.        | Difference | % Diff.      | (S)IR   | Std Dev    | Emphasis |  |
| S0                | .00000       | .00000             | .000       | .000         | -.00191 | .000       | 1        |  |
| S1                | .04000       | .04676             | .007       | 16.9         | .02160  | .000       | 1        |  |
| S2                | .62500       | .61685             | -.008      | -1.30        | .30863  | .001       | 1        |  |
| S3                | 1.2500       | 1.2007             | -.049      | -3.95        | .60255  | .002       | 1        |  |
| S4                | 2.5000       | 2.4716             | -.028      | -1.14        | 1.2423  | .006       | 1        |  |
| S5                | 5.0000       | 5.0792             | .079       | 1.58         | 2.5549  | .004       | 1        |  |

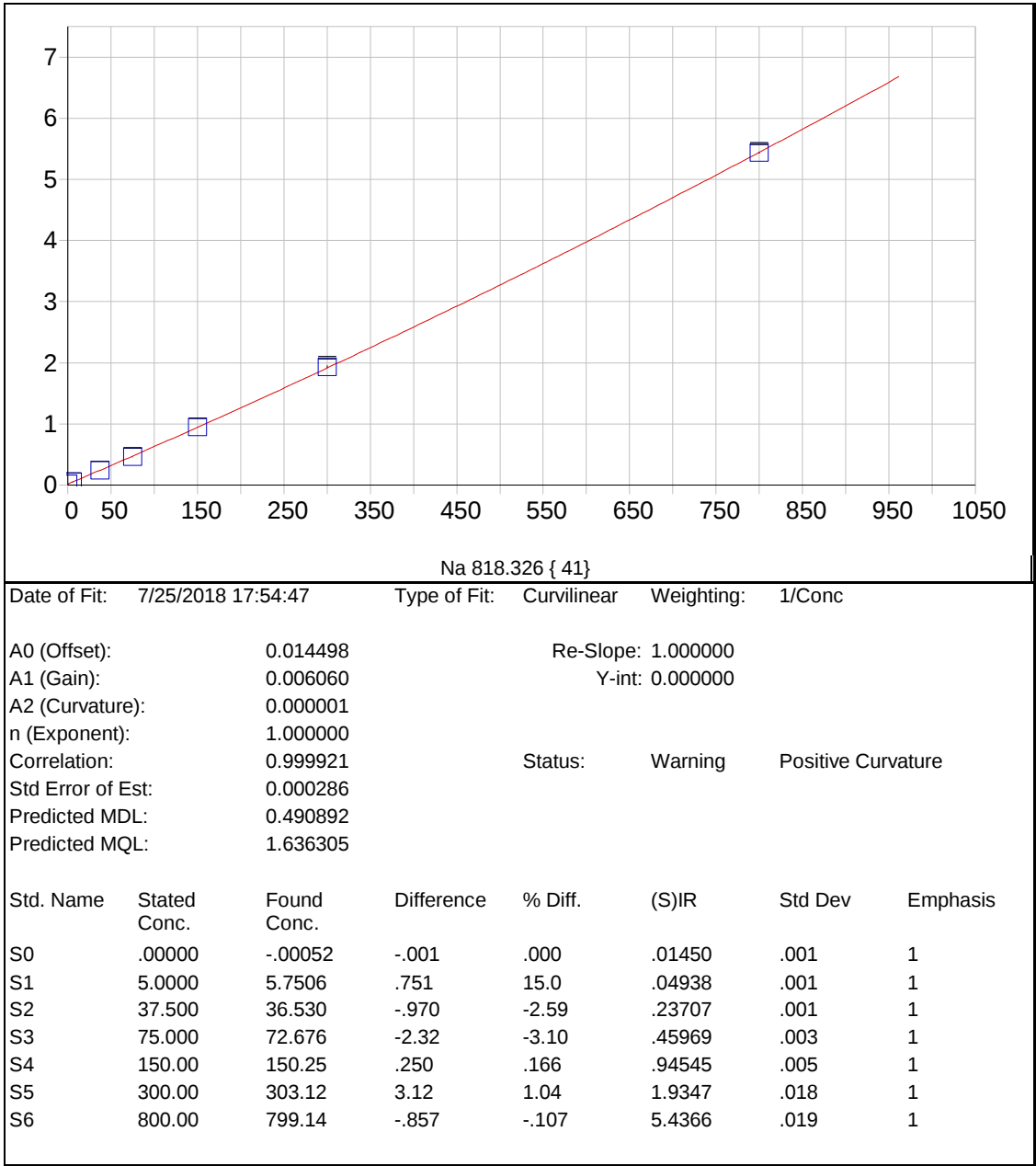


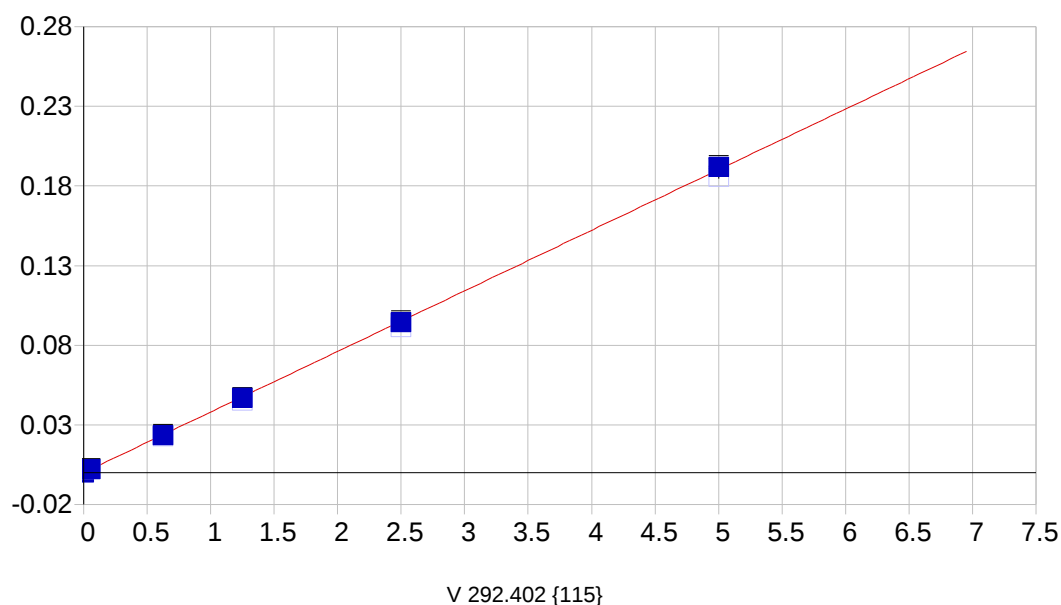
Ag 328.068 {103}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002344 Re-Slope: 1.000000  
 A1 (Gain): 0.483990 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999645 Status: OK.  
 Std Error of Est: 0.000107  
 Predicted MDL: 0.000551  
 Predicted MQL: 0.001835

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00234 | .000    | 1        |
| S1        | .01000       | .01035      | .000       | 3.47    | .00263  | .000    | 1        |
| S2        | .31250       | .29774      | -.015      | -4.72   | .13982  | .002    | 1        |
| S3        | .62500       | .59573      | -.029      | -4.68   | .28210  | .001    | 1        |
| S4        | 1.2500       | 1.2411      | -.009      | -.714   | .59056  | .001    | 1        |
| S5        | 2.5000       | 2.5526      | .053       | 2.10    | 1.2176  | .001    | 1        |

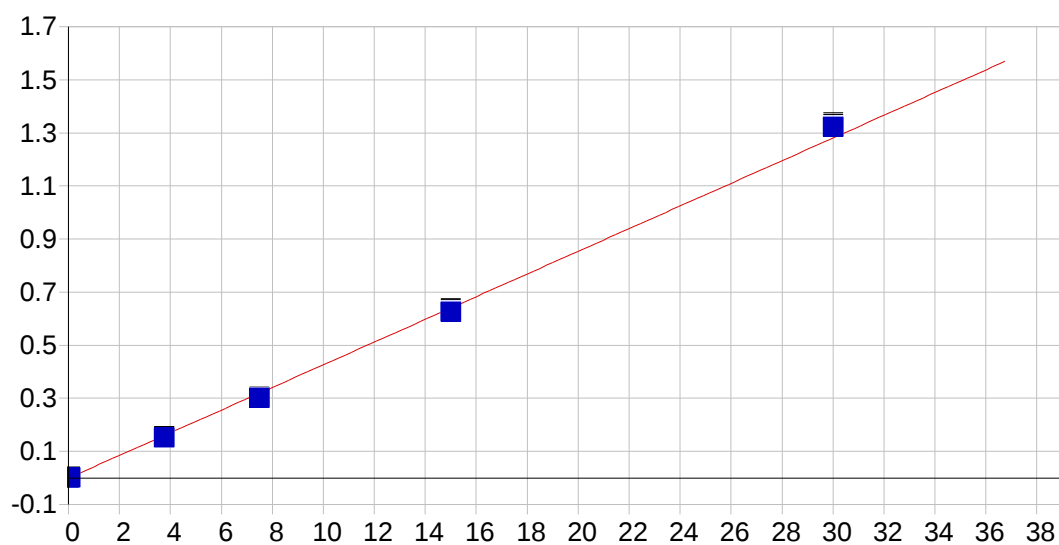




Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000011 Re-Slope: 1.000000  
 A1 (Gain): 0.038046 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999876 Status: OK.  
 Std Error of Est: 0.000015  
 Predicted MDL: 0.011063  
 Predicted MQL: 0.036876

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00001 | .000    | 1        |
| S1        | .05000       | .05780      | .008       | 15.6    | .00219  | .000    | 1        |
| S2        | .62500       | .61569      | -.009      | -1.49   | .02263  | .001    | 1        |
| S3        | 1.2500       | 1.2287      | -.021      | -1.70   | .04517  | .000    | 1        |
| S4        | 2.5000       | 2.4818      | -.018      | -.727   | .09128  | .001    | 1        |
| S5        | 5.0000       | 5.0407      | .041       | .814    | .18549  | .001    | 1        |



Zn 213.856 {158}

Date of Fit: 7/25/2018 17:54:47

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000772

Re-Slope: 1.000000

A1 (Gain): 0.042718

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999387

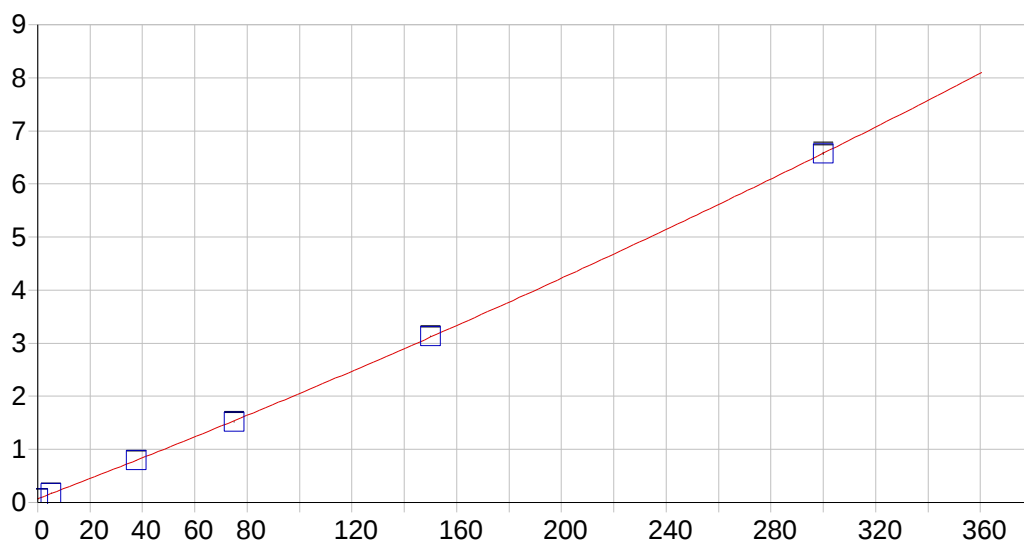
Status: OK.

Std Error of Est: 0.000107

Predicted MDL: 0.012683

Predicted MQL: 0.042277

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00077 | .000    | 1        |
| S1        | .06000       | .06163      | .002       | 2.72    | .00187  | .000    | 1        |
| S2        | 3.7500       | 3.5793      | -.171      | -4.55   | .15288  | .003    | 1        |
| S3        | 7.5000       | 7.0650      | -.435      | -5.80   | .30254  | .002    | 1        |
| S4        | 15.000       | 14.667      | -.333      | -2.22   | .62877  | .010    | 1        |
| S5        | 30.000       | 30.938      | .938       | 3.13    | 1.3269  | .012    | 1        |

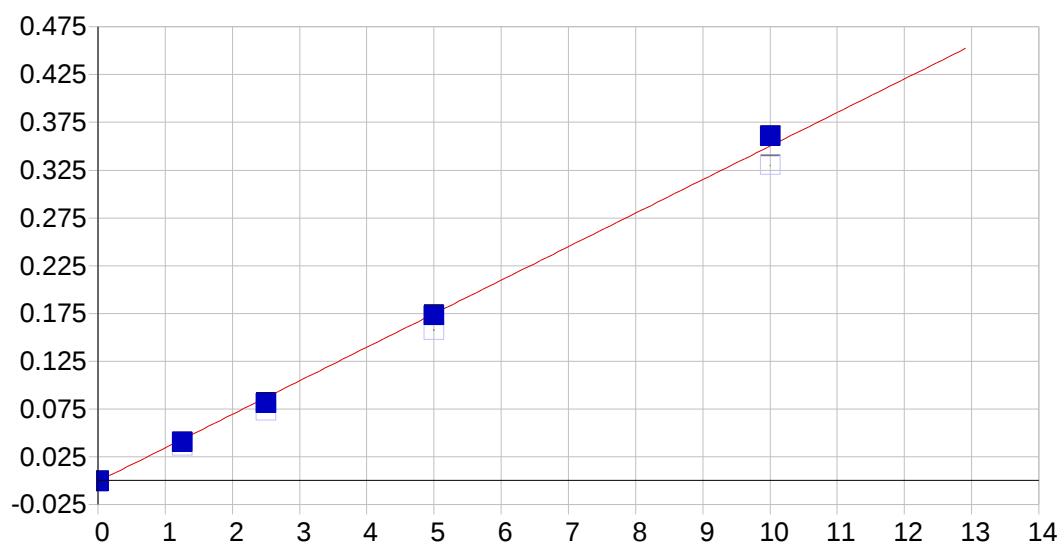


K 769.896 { 44}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Curvilinear Weighting: 1/Conc

|                   |          |                                    |
|-------------------|----------|------------------------------------|
| A0 (Offset):      | 0.070649 | Re-Slope: 1.000000                 |
| A1 (Gain):        | 0.018896 | Y-int: 0.000000                    |
| A2 (Curvature):   | 0.000009 |                                    |
| n (Exponent):     | 1.000000 |                                    |
| Correlation:      | 0.999960 | Status: Warning Positive Curvature |
| Std Error of Est: | 0.000444 |                                    |
| Predicted MDL:    | 0.120268 |                                    |
| Predicted MQL:    | 0.400895 |                                    |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00036     | .000       | .000    | .07064 | .003    | 1        |
| S1        | 5.0000       | 5.4014      | .401       | 8.03    | .17298 | .002    | 1        |
| S2        | 37.500       | 37.553      | .053       | .141    | .79340 | .004    | 1        |
| S3        | 75.000       | 73.922      | -1.08      | -1.44   | 1.5184 | .006    | 1        |
| S4        | 150.00       | 150.74      | .737       | .491    | 3.1309 | .013    | 1        |
| S5        | 300.00       | 299.89      | -.114      | -.038   | 6.5761 | .027    | 1        |



P 177.495 {490}

Date of Fit: 7/25/2018 17:54:47

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000833

Re-Slope: 1.000000

A1 (Gain): 0.035106

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999143

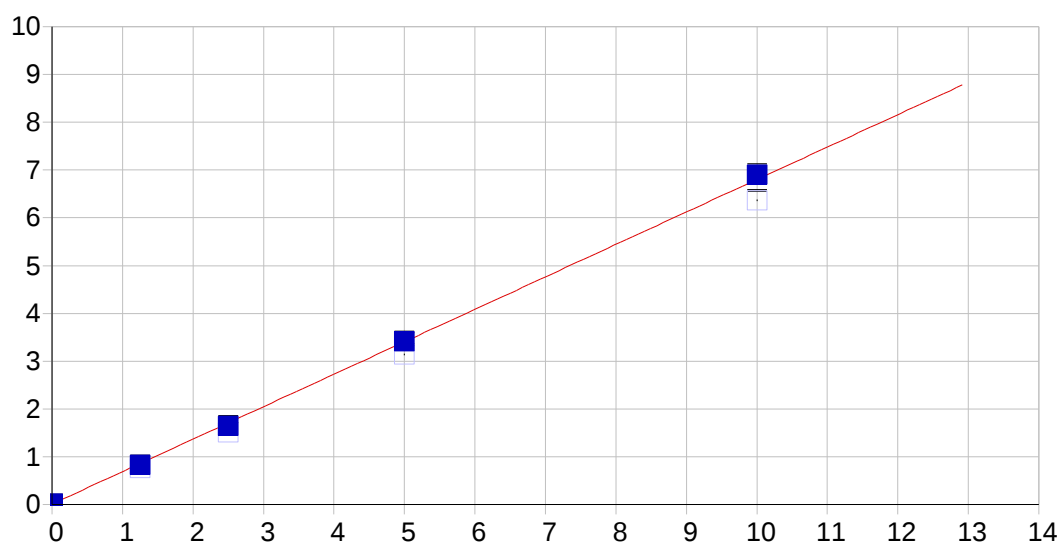
Status: OK.

Std Error of Est: 0.000022

Predicted MDL: 0.003448

Predicted MQL: 0.011495

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00083 | .000    | 1        |
| S1        | .01000       | .01340      | .003       | 34.0    | -.00039 | .000    | 1        |
| S2        | 1.2500       | 1.1708      | -.079      | -6.34   | .03649  | .000    | 1        |
| S3        | 2.5000       | 2.3315      | -.168      | -6.74   | .07345  | .001    | 1        |
| S4        | 5.0000       | 4.9474      | -.053      | -1.05   | .15771  | .001    | 1        |
| S5        | 10.000       | 10.297      | .297       | 2.97    | .33037  | .000    | 1        |

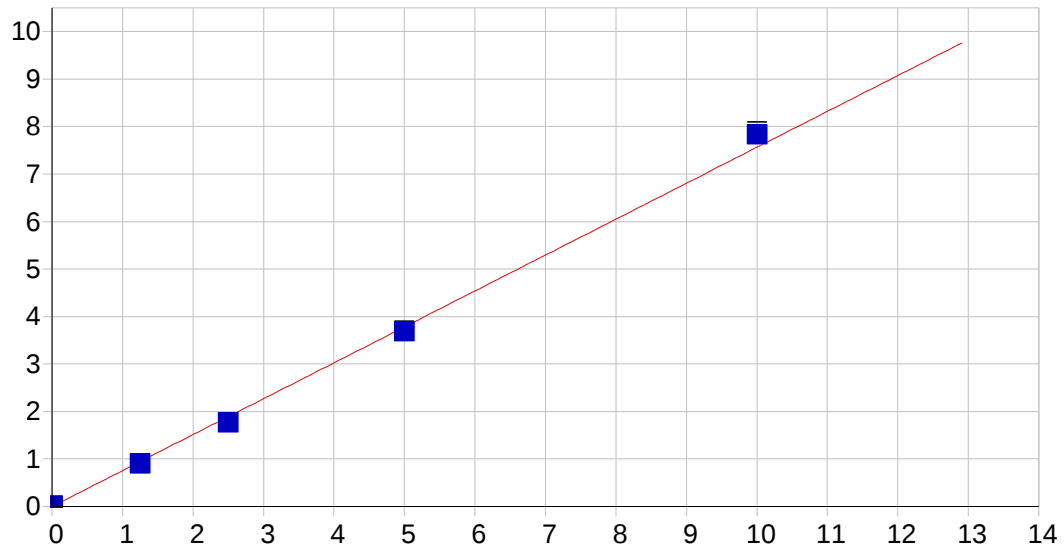


B 249.678 {135}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.009917 Re-Slope: 1.000000  
 A1 (Gain): 0.679145 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999735 Status: OK.  
 Std Error of Est: 0.000242  
 Predicted MDL: 0.001088  
 Predicted MQL: 0.003628

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00992 | .000    | 1        |
| S1        | .01000       | .00759      | -.002      | -24.1   | .01493 | .001    | 1        |
| S2        | 1.2500       | 1.2002      | -.050      | -3.98   | .75781 | .007    | 1        |
| S3        | 2.5000       | 2.4041      | -.096      | -3.84   | 1.5082 | .007    | 1        |
| S4        | 5.0000       | 5.0000      | .000       | .000    | 3.1367 | .019    | 1        |
| S5        | 10.000       | 10.148      | .148       | 1.48    | 6.3641 | .019    | 1        |

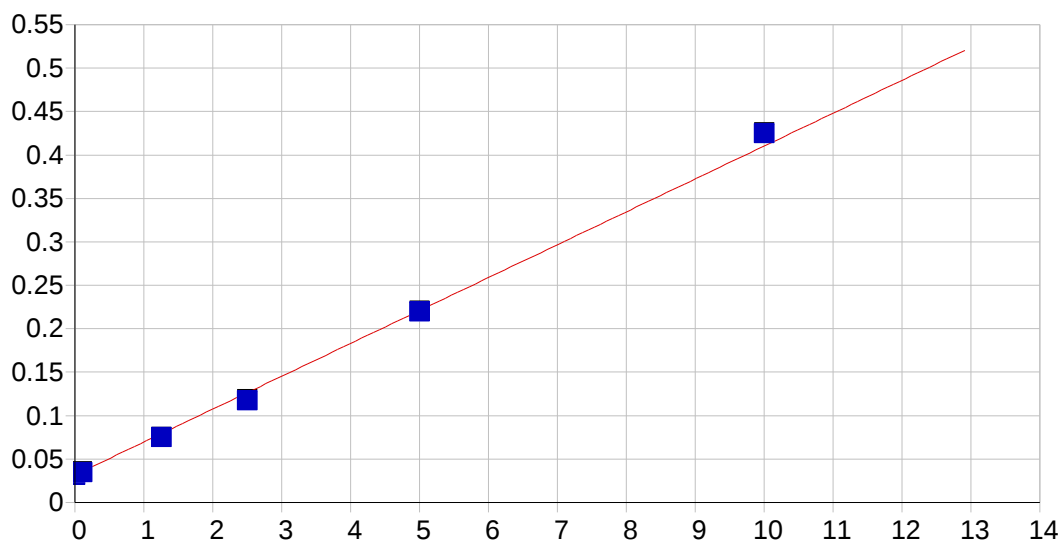


Mo 202.030 {467}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000814 Re-Slope: 1.000000  
 A1 (Gain): 0.756217 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999165 Status: OK.  
 Std Error of Est: 0.000518  
 Predicted MDL: 0.000339  
 Predicted MQL: 0.001129

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00081 | .000    | 1        |
| S1        | .01000       | .01095      | .001       | 9.47    | .00909 | .000    | 1        |
| S2        | 1.2500       | 1.1876      | -.062      | -4.99   | .89886 | .002    | 1        |
| S3        | 2.5000       | 2.3284      | -.172      | -6.86   | 1.7615 | .010    | 1        |
| S4        | 5.0000       | 4.8714      | -.129      | -2.57   | 3.6845 | .012    | 1        |
| S5        | 10.000       | 10.362      | .362       | 3.62    | 7.8361 | .049    | 1        |



S 182.034 {485}

Date of Fit: 7/25/2018 17:54:47

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.031751

Re-Slope: 1.000000

A1 (Gain): 0.037851

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.998769

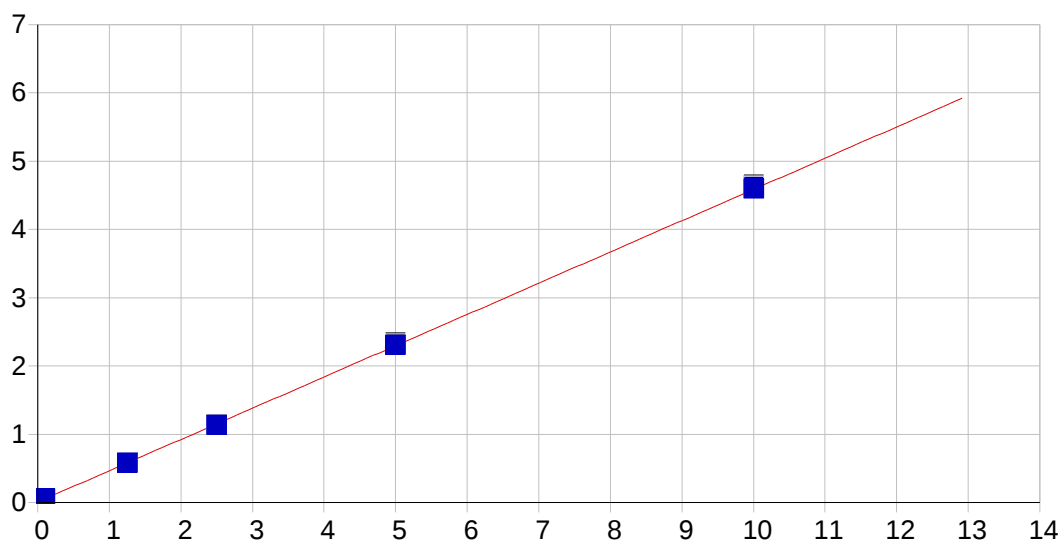
Status: OK.

Std Error of Est: 0.000100

Predicted MDL: 0.004389

Predicted MQL: 0.014629

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00003      | .000       | .000    | .03175 | .000    | 1        |
| S1        | .10000       | .08668      | -.013      | -13.3   | .03503 | .000    | 1        |
| S2        | 1.2500       | 1.1428      | -.107      | -8.57   | .07502 | .000    | 1        |
| S3        | 2.5000       | 2.2716      | -.228      | -9.14   | .11777 | .001    | 1        |
| S4        | 5.0000       | 4.9681      | -.032      | -.638   | .21986 | .001    | 1        |
| S5        | 10.000       | 10.381      | .381       | 3.81    | .42480 | .001    | 1        |



Si 251.611 {134}

Date of Fit: 7/25/2018 17:54:47

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.007275

Re-Slope: 1.000000

A1 (Gain): 0.457901

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999963

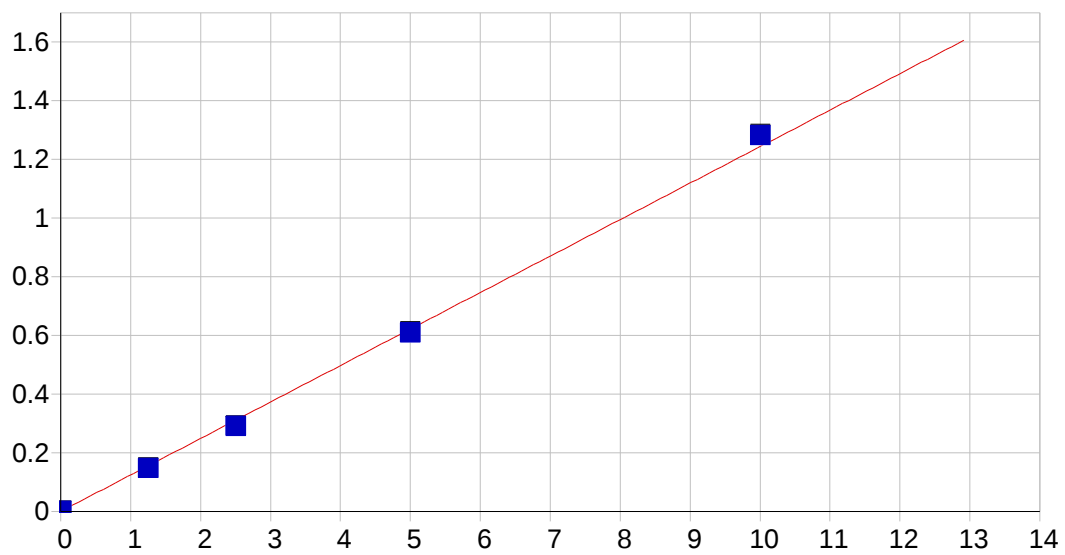
Status: OK.

Std Error of Est: 0.000211

Predicted MDL: 0.001424

Predicted MQL: 0.004746

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00727 | .001    | 1        |
| S1        | .10000       | .10566      | .006       | 5.66    | .05582 | .001    | 1        |
| S2        | 1.2500       | 1.2498      | .000       | -.012   | .58427 | .004    | 1        |
| S3        | 2.5000       | 2.4510      | -.049      | -1.96   | 1.1390 | .005    | 1        |
| S4        | 5.0000       | 5.0176      | .018       | .352    | 2.3236 | .012    | 1        |
| S5        | 10.000       | 10.026      | .026       | .260    | 4.6357 | .014    | 1        |

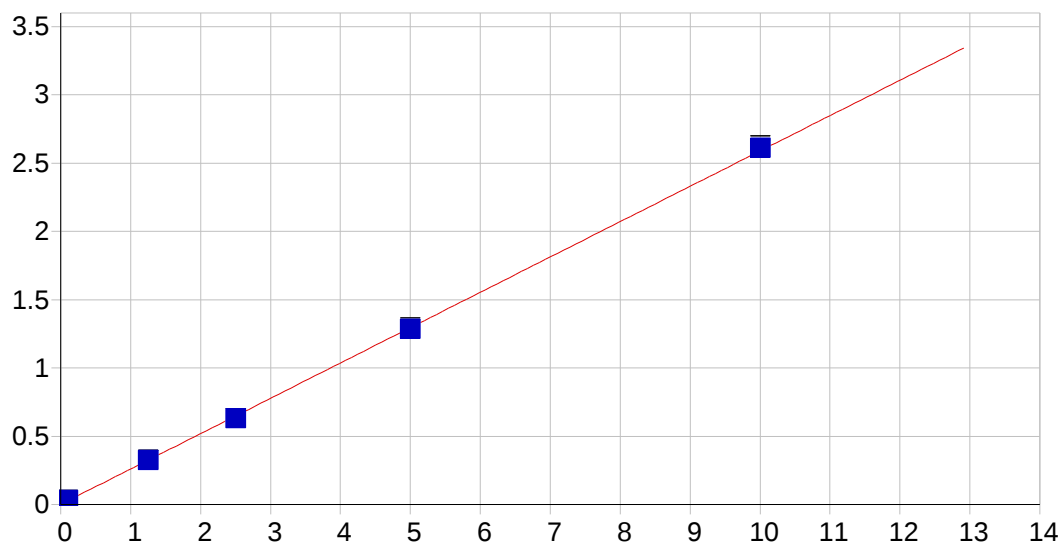


Sn 189.989 {478}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000250 Re-Slope: 1.000000  
 A1 (Gain): 0.124367 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999317 Status: OK.  
 Std Error of Est: 0.000064  
 Predicted MDL: 0.001314  
 Predicted MQL: 0.004380

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00025 | .000    | 1        |
| S1        | .00700       | .00847      | .001       | 21.0    | .00127 | .000    | 1        |
| S2        | 1.2500       | 1.1899      | -.060      | -4.81   | .14789 | .001    | 1        |
| S3        | 2.5000       | 2.3377      | -.162      | -6.49   | .29030 | .001    | 1        |
| S4        | 5.0000       | 4.9051      | -.095      | -1.90   | .60891 | .003    | 1        |
| S5        | 10.000       | 10.316      | .316       | 3.16    | 1.2805 | .003    | 1        |



Ti 336.121 {100}

Date of Fit: 7/25/2018 17:54:47

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001262

Re-Slope: 1.000000

A1 (Gain): 0.258819

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999875

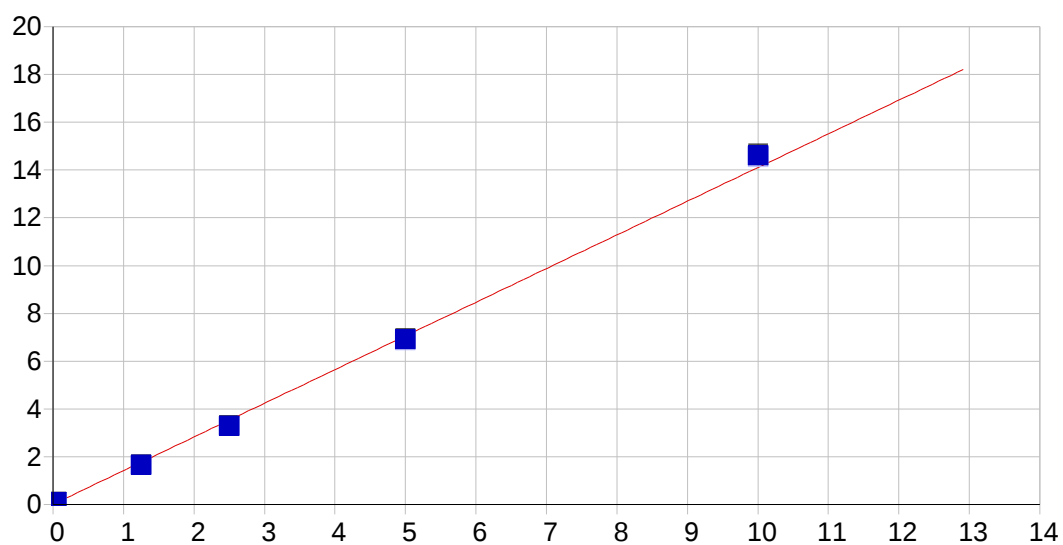
Status: OK.

Std Error of Est: 0.000217

Predicted MDL: 0.003094

Predicted MQL: 0.010315

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00126 | .001    | 1        |
| S1        | .10000       | .11379      | .014       | 13.8    | .03070 | .001    | 1        |
| S2        | 1.2500       | 1.2451      | -.005      | -.393   | .32339 | .002    | 1        |
| S3        | 2.5000       | 2.4325      | -.068      | -2.70   | .63060 | .002    | 1        |
| S4        | 5.0000       | 4.9700      | -.030      | -.600   | 1.2871 | .008    | 1        |
| S5        | 10.000       | 10.089      | .089       | .886    | 2.6114 | .014    | 1        |



Li 670.784 { 50}

Date of Fit: 7/25/2018 17:54:47 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008661 Re-Slope: 1.000000  
 A1 (Gain): 1.409524 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999142 Status: OK.  
 Std Error of Est: 0.002181  
 Predicted MDL: 0.002121  
 Predicted MQL: 0.007069

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00867 | .002    | 1        |
| S5        | 10.000       | 10.356      | .356       | 3.56    | 14.527 | .062    | 1        |
| S4        | 5.0000       | 4.8917      | -.108      | -2.17   | 6.8641 | .025    | 1        |
| S3        | 2.5000       | 2.3309      | -.169      | -6.76   | 3.2743 | .009    | 1        |
| S2        | 1.2500       | 1.1683      | -.082      | -6.54   | 1.6455 | .005    | 1        |
| S1        | .05000       | .05261      | .003       | 5.23    | .08268 | .002    | 1        |



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



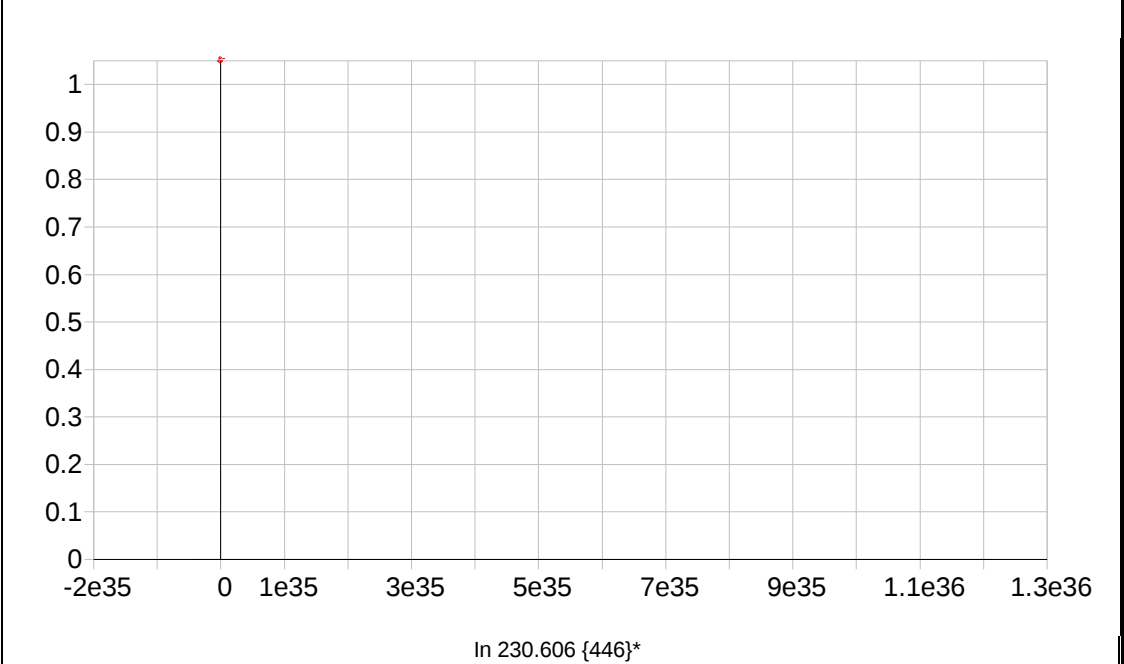
|              |          |                    |
|--------------|----------|--------------------|
| A0 (Offset): | 0.000000 | Re-Slope: 1.000000 |
| A1 (Gain):   | 0.000000 | Y-int: 0.000000    |



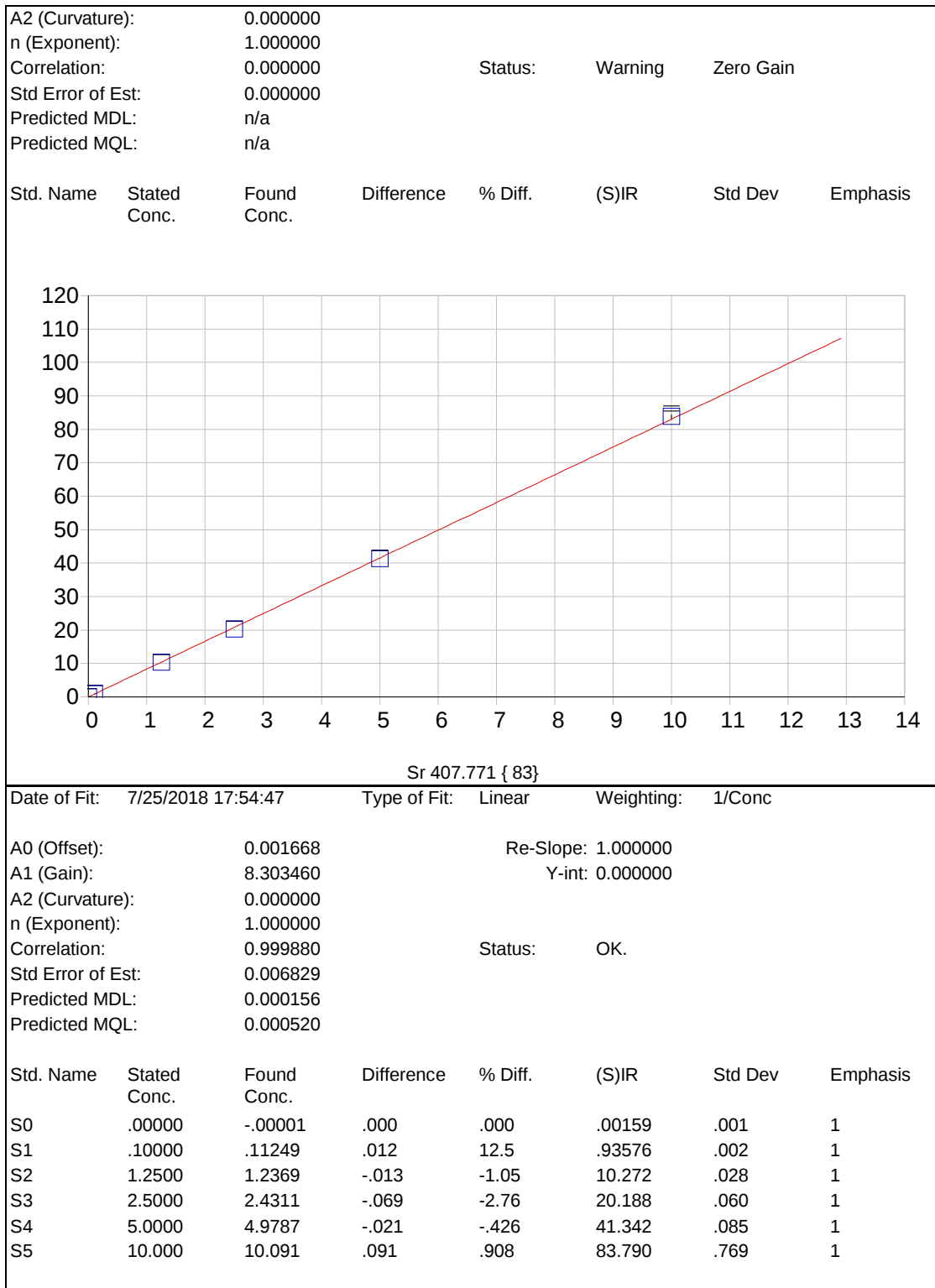


|                   |          |                           |
|-------------------|----------|---------------------------|
| A0 (Offset):      | 0.000000 | Re-Slope: 1.000000        |
| A1 (Gain):        | 0.000000 | Y-int: 0.000000           |
| A2 (Curvature):   | 0.000000 |                           |
| 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 |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



|              |          |                    |
|--------------|----------|--------------------|
| A0 (Offset): | 0.000000 | Re-Slope: 1.000000 |
| A1 (Gain):   | 0.000000 | Y-int: 0.000000    |



Sample Name: S0      Acquired: 7/25/2018 12:20:32      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S00      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |         |        |        |        |        |         |
|--------|---------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | -.00048 | -.00099 | -.00063 | .00082 | .00074 | .00640 | .00758 | -.00158 |
| Stddev | .00008  | .00011  | .00040  | .00009 | .00012 | .00096 | .00288 | .00021  |
| %RSD   | 16.695  | 11.390  | 64.307  | 11.488 | 16.081 | 15.057 | 38.002 | 13.634  |

|    |         |         |         |        |        |        |        |         |
|----|---------|---------|---------|--------|--------|--------|--------|---------|
| #1 | -.00052 | -.00108 | -.00101 | .00082 | .00068 | .00683 | .00584 | -.00162 |
| #2 | -.00039 | -.00086 | -.00021 | .00072 | .00067 | .00530 | .01090 | -.00134 |
| #3 | -.00053 | -.00103 | -.00066 | .00091 | .00088 | .00707 | .00599 | -.00176 |

|        |         |        |        |         |        |         |        |         |
|--------|---------|--------|--------|---------|--------|---------|--------|---------|
| Elem   | Cd2144  | Ca3736 | Cr2677 | Co2286  | Cu3247 | Fe2598  | Mn2576 | Mg2790  |
| Units  | Cts/S   | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S  | Cts/S   |
| Avg    | -.00044 | .00338 | .00001 | -.00007 | .00143 | -.00005 | .00013 | -.00049 |
| Stddev | .00017  | .00133 | .00014 | .00026  | .00038 | .00020  | .00009 | .00036  |
| %RSD   | 39.064  | 39.513 | 1239.1 | 345.47  | 26.433 | 397.70  | 64.503 | 73.231  |

|    |         |        |         |         |        |         |        |         |
|----|---------|--------|---------|---------|--------|---------|--------|---------|
| #1 | -.00042 | .00184 | .00015  | .00021  | .00171 | -.00028 | .00023 | -.00008 |
| #2 | -.00027 | .00413 | .00002  | -.00028 | .00158 | .00002  | .00006 | -.00070 |
| #3 | -.00061 | .00416 | -.00013 | -.00015 | .00100 | .00011  | .00012 | -.00069 |

|        |         |         |        |         |         |        |         |        |
|--------|---------|---------|--------|---------|---------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na8183 | V_2924  | Zn2138  | K_7698 | P_1774  | B_2496 |
| Units  | Cts/S   | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S  | Cts/S   | Cts/S  |
| Avg    | -.00191 | -.00234 | .01450 | -.00001 | -.00077 | .07064 | -.00083 | .00992 |
| Stddev | .00042  | .00009  | .00063 | .00012  | .00027  | .00300 | .00003  | .00049 |
| %RSD   | 21.824  | 4.0503  | 4.3246 | 1023.7  | 35.412  | 4.2445 | 3.5565  | 4.9496 |

|    |         |         |        |         |         |        |         |        |
|----|---------|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.00143 | -.00225 | .01504 | .00006  | -.00109 | .06719 | -.00083 | .00938 |
| #2 | -.00213 | -.00244 | .01381 | -.00015 | -.00063 | .07263 | -.00081 | .01003 |
| #3 | -.00216 | -.00234 | .01463 | .00005  | -.00060 | .07210 | -.00087 | .01035 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | .00081 | .03175 | .00727 | .00025 | .00126 | .00867 | .00159 |  |
| Stddev | .00014 | .00034 | .00091 | .00015 | .00093 | .00200 | .00112 |  |
| %RSD   | 17.619 | 1.0593 | 12.519 | 61.622 | 73.687 | 23.080 | 70.608 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00098 | .03198 | .00681 | .00014 | .00072 | .00725 | .00161 |  |
| #2 | .00077 | .03137 | .00669 | .00043 | .00233 | .01095 | .00046 |  |
| #3 | .00070 | .03191 | .00832 | .00019 | .00073 | .00779 | .00271 |  |

Sample Name: S0      Acquired: 7/25/2018 12:20:32      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S00      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1600.6 | 2676.7 | 25131. | 4316.8 | 2865.9 |
| Stddev    | 13.2   | 8.8    | 188.   | 14.2   | 9.2    |
| %RSD      | .82630 | .32868 | .74913 | .32818 | .31987 |
| #1        | 1610.3 | 2682.0 | 25123. | 4308.0 | 2872.8 |
| #2        | 1585.5 | 2681.6 | 24946. | 4309.2 | 2869.4 |
| #3        | 1605.9 | 2666.6 | 25323. | 4333.1 | 2855.5 |

Sample Name: S1      Acquired: 7/25/2018 12:24:40      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00005 | .00063 | .00195 | .00461 | .00953 | .01740 | .59188 | .04700 |
| Stddev | .00011 | .00011 | .00022 | .00024 | .00024 | .00132 | .00283 | .00096 |
| %RSD   | 192.60 | 17.601 | 11.175 | 5.1747 | 2.5689 | 7.5938 | .47855 | 2.0487 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00007 | .00065 | .00181 | .00448 | .00936 | .01655 | .58959 | .04637 |
| #2 | .00011  | .00073 | .00183 | .00489 | .00942 | .01674 | .59101 | .04652 |
| #3 | .00012  | .00051 | .00220 | .00447 | .00982 | .01893 | .59505 | .04811 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .01721 | .26289 | .00189 | .04939 | .00343 | .00184 | .00410 | .03355 |
| Stddev | .00044 | .00094 | .00003 | .00050 | .00074 | .00028 | .00022 | .00065 |
| %RSD   | 2.5648 | .35831 | 1.4560 | 1.0188 | 21.545 | 15.261 | 5.4497 | 1.9486 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01736 | .26242 | .00187 | .04914 | .00373 | .00163 | .00430 | .03323 |
| #2 | .01756 | .26398 | .00187 | .04906 | .00259 | .00173 | .00413 | .03312 |
| #3 | .01671 | .26229 | .00192 | .04997 | .00398 | .00216 | .00386 | .03431 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774  | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S  |
| Avg    | .02160 | .00263 | .04938 | .00219 | .00187 | .17298 | -.00039 | .01493 |
| Stddev | .00027 | .00020 | .00092 | .00028 | .00044 | .00182 | .00008  | .00058 |
| %RSD   | 1.2569 | 7.4295 | 1.8662 | 12.662 | 23.403 | 1.0539 | 21.863  | 3.9116 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .02173 | .00278 | .04974 | .00202 | .00200 | .17101 | -.00043 | .01445 |
| #2 | .02128 | .00241 | .04833 | .00203 | .00223 | .17333 | -.00044 | .01477 |
| #3 | .02178 | .00270 | .05006 | .00250 | .00138 | .17461 | -.00029 | .01558 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | .00909 | .03503 | .05582 | .00127 | .03070 | .08268 | .93576 |  |
| Stddev | .00034 | .00022 | .00079 | .00018 | .00060 | .00200 | .00229 |  |
| %RSD   | 3.7557 | .63521 | 1.4167 | 14.259 | 1.9384 | 2.4168 | .24437 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00939 | .03478 | .05503 | .00118 | .03100 | .08094 | .93550 |  |
| #2 | .00916 | .03521 | .05580 | .00148 | .03002 | .08224 | .93362 |  |
| #3 | .00872 | .03510 | .05661 | .00115 | .03109 | .08486 | .93817 |  |

Sample Name: S1      Acquired: 7/25/2018 12:24:40      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1593.9 | 2646.1 | 24977. | 4355.7 | 2885.4 |
| Stddev    | 4.9    | 4.8    | 145.   | 26.0   | .6     |
| %RSD      | .30942 | .18277 | .58035 | .59756 | .02249 |
| #1        | 1593.8 | 2651.4 | 24995. | 4385.6 | 2884.8 |
| #2        | 1589.1 | 2645.1 | 24824. | 4343.6 | 2886.1 |
| #3        | 1598.9 | 2641.8 | 25113. | 4338.0 | 2885.2 |

Sample Name: S2      Acquired: 7/25/2018 12:28:49      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S02      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .04221 | .06993 | 1.2260 | .11789 | .17077 | 1.8752 | 6.3097 | 1.0546 |
| Stddev | .00014 | .00017 | .0040  | .00034 | .00066 | .0068  | .0220  | .0078  |
| %RSD   | .33100 | .25013 | .32716 | .28832 | .38890 | .36094 | .34914 | .74414 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04207 | .06988 | 1.2240 | .11763 | .17039 | 1.8828 | 6.3143 | 1.0596 |
| #2 | .04220 | .06979 | 1.2234 | .11776 | .17039 | 1.8700 | 6.2857 | 1.0456 |
| #3 | .04235 | .07013 | 1.2306 | .11828 | .17154 | 1.8727 | 6.3291 | 1.0587 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.8457 | 2.9098 | .60778 | .53739 | .33970 | .52060 | .84688 | .37324 |
| Stddev | .0079  | .0095  | .00176 | .00252 | .00100 | .00037 | .00361 | .00153 |
| %RSD   | .42889 | .32652 | .28914 | .46886 | .29529 | .07110 | .42576 | .40942 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.8466 | 2.9101 | .60792 | .53672 | .34084 | .52097 | .84745 | .37362 |
| #2 | 1.8373 | 2.9002 | .60947 | .53527 | .33929 | .52062 | .84303 | .37156 |
| #3 | 1.8531 | 2.9192 | .60596 | .54017 | .33896 | .52023 | .85017 | .37454 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .30863 | .13982 | .23707 | .02263 | .15288 | .79340 | .03649 | .75781 |
| Stddev | .00088 | .00157 | .00086 | .00070 | .00347 | .00400 | .00028 | .00665 |
| %RSD   | .28406 | 1.1241 | .36276 | 3.0799 | 2.2720 | .50365 | .76800 | .87723 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .30851 | .14142 | .23768 | .02337 | .15466 | .79759 | .03680 | .76337 |
| #2 | .30781 | .13975 | .23744 | .02253 | .15511 | .78963 | .03626 | .75045 |
| #3 | .30955 | .13828 | .23608 | .02199 | .14888 | .79297 | .03639 | .75960 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | .89886 | .07502 | .58427 | .14789 | .32339 | 1.6455 | 10.272 |  |
| Stddev | .00218 | .00037 | .00417 | .00073 | .00192 | .0050  | .028   |  |
| %RSD   | .24300 | .49583 | .71443 | .49455 | .59436 | .30465 | .27442 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .89726 | .07535 | .58707 | .14821 | .32539 | 1.6497 | 10.303 |  |
| #2 | .89797 | .07462 | .57947 | .14705 | .32323 | 1.6400 | 10.248 |  |
| #3 | .90135 | .07511 | .58627 | .14840 | .32156 | 1.6468 | 10.266 |  |

Sample Name: S2      Acquired: 7/25/2018 12:28:49      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S02      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1550.4 | 2530.7 | 24799. | 4381.3 | 2799.5 |
| Stddev    | 18.5   | 10.4   | 169.   | 26.0   | 12.6   |
| %RSD      | 1.1918 | .40967 | .68161 | .59315 | .44929 |
| #1        | 1532.5 | 2534.1 | 24632. | 4361.6 | 2800.5 |
| #2        | 1549.4 | 2539.0 | 24796. | 4410.7 | 2811.6 |
| #3        | 1569.4 | 2519.1 | 24970. | 4371.5 | 2786.5 |

Sample Name: S3      Acquired: 7/25/2018 12:32:44      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S03      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .08299 | .13797 | 2.4096 | .22836 | .33136 | 3.7018 | 12.426 | 2.0650 |
| Stddev | .00076 | .00062 | .0077  | .00084 | .00199 | .0121  | .031   | .0119  |
| %RSD   | .91390 | .44625 | .32151 | .36827 | .60098 | .32746 | .24929 | .57415 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .08257 | .13770 | 2.4067 | .22817 | .33046 | 3.7144 | 12.459 | 2.0785 |
| #2 | .08254 | .13753 | 2.4038 | .22763 | .32998 | 3.7009 | 12.423 | 2.0566 |
| #3 | .08387 | .13867 | 2.4184 | .22928 | .33364 | 3.6902 | 12.397 | 2.0598 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.5699 | 5.6772 | 1.1837 | 1.0502 | .66457 | 1.0129 | 1.6542 | .73610 |
| Stddev | .0115  | .0071  | .0012  | .0024  | .00231 | .0039  | .0065  | .00236 |
| %RSD   | .32160 | .12567 | .09833 | .23369 | .34826 | .38478 | .39284 | .32028 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.5628 | 5.6854 | 1.1832 | 1.0491 | .66724 | 1.0168 | 1.6609 | .73754 |
| #2 | 3.5636 | 5.6734 | 1.1829 | 1.0484 | .66324 | 1.0090 | 1.6479 | .73338 |
| #3 | 3.5831 | 5.6728 | 1.1850 | 1.0530 | .66322 | 1.0129 | 1.6538 | .73738 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .60255 | .28210 | .45969 | .04517 | .30254 | 1.5184 | .07345 | 1.5082 |
| Stddev | .00179 | .00064 | .00280 | .00042 | .00205 | .0061  | .00053 | .0069  |
| %RSD   | .29701 | .22728 | .60937 | .92925 | .67646 | .40438 | .72707 | .45549 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .60127 | .28180 | .46111 | .04511 | .30332 | 1.5242 | .07328 | 1.5136 |
| #2 | .60179 | .28167 | .46149 | .04561 | .30022 | 1.5191 | .07302 | 1.5005 |
| #3 | .60460 | .28284 | .45646 | .04478 | .30408 | 1.5120 | .07405 | 1.5104 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 1.7615 | .11777 | 1.1390 | .29030 | .63060 | 3.2743 | 20.188 |  |
| Stddev | .0099  | .00080 | .0048  | .00100 | .00167 | .0085  | .060   |  |
| %RSD   | .56012 | .67716 | .42086 | .34574 | .26538 | .26071 | .29860 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.7555 | .11815 | 1.1436 | .28961 | .63084 | 3.2833 | 20.256 |  |
| #2 | 1.7561 | .11685 | 1.1340 | .28983 | .63213 | 3.2735 | 20.166 |  |
| #3 | 1.7729 | .11830 | 1.1392 | .29145 | .62881 | 3.2662 | 20.142 |  |

Sample Name: S3      Acquired: 7/25/2018 12:32:44      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S03      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1502.7 | 2480.7 | 24515. | 4330.4 | 2738.0 |
| Stddev    | 9.5    | 10.0   | 27.    | 19.6   | 7.7    |
| %RSD      | .62993 | .40247 | .11188 | .45225 | .27985 |
| #1        | 1499.2 | 2486.7 | 24484. | 4308.5 | 2741.8 |
| #2        | 1513.4 | 2486.2 | 24538. | 4336.5 | 2742.9 |
| #3        | 1495.5 | 2469.2 | 24522. | 4346.2 | 2729.2 |

Sample Name: S4      Acquired: 7/25/2018 12:36:37      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S04      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .17394 | .28775 | 5.0180 | .46541 | .68847 | 7.7017 | 25.460 | 4.2119 |
| Stddev | .00089 | .00173 | .0284  | .00120 | .00335 | .0365  | .034   | .0098  |
| %RSD   | .51078 | .60201 | .56489 | .25736 | .48712 | .47359 | .13539 | .23147 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17378 | .28735 | 5.0026 | .46651 | .68744 | 7.7134 | 25.459 | 4.2048 |
| #2 | .17315 | .28625 | 5.0007 | .46413 | .68574 | 7.6608 | 25.426 | 4.2230 |
| #3 | .17490 | .28964 | 5.0508 | .46559 | .69221 | 7.7309 | 25.495 | 4.2080 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 7.3120 | 11.487 | 2.3839 | 2.1722 | 1.3538 | 2.0534 | 3.3200 | 1.5216 |
| Stddev | .0281  | .033   | .0042  | .0123  | .0060  | .0144  | .0206  | .0081  |
| %RSD   | .38432 | .28800 | .17423 | .56732 | .43941 | .70258 | .62136 | .53116 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.3030 | 11.455 | 2.3860 | 2.1686 | 1.3534 | 2.0369 | 3.3022 | 1.5123 |
| #2 | 7.2895 | 11.485 | 2.3792 | 2.1621 | 1.3480 | 2.0636 | 3.3152 | 1.5260 |
| #3 | 7.3435 | 11.521 | 2.3866 | 2.1859 | 1.3599 | 2.0596 | 3.3426 | 1.5265 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.2423 | .59056 | .94545 | .09128 | .62877 | 3.1309 | .15771 | 3.1367 |
| Stddev | .0055  | .00133 | .00468 | .00107 | .00960 | .0129  | .00060 | .0193  |
| %RSD   | .44465 | .22590 | .49551 | 1.1733 | 1.5266 | .41263 | .37730 | .61357 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.2405 | .59165 | .95058 | .09220 | .63868 | 3.1431 | .15748 | 3.1186 |
| #2 | 1.2379 | .59097 | .94140 | .09010 | .61952 | 3.1173 | .15727 | 3.1569 |
| #3 | 1.2485 | .58907 | .94438 | .09152 | .62811 | 3.1323 | .15839 | 3.1346 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 3.6845 | .21986 | 2.3236 | .60891 | 1.2871 | 6.8641 | 41.342 |  |
| Stddev | .0120  | .00078 | .0119  | .00253 | .0077  | .0250  | .085   |  |
| %RSD   | .32451 | .35591 | .51171 | .41523 | .59869 | .36471 | .20509 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 3.6808 | .21975 | 2.3177 | .60634 | 1.2908 | 6.8886 | 41.373 |  |
| #2 | 3.6748 | .21915 | 2.3373 | .60900 | 1.2782 | 6.8386 | 41.246 |  |
| #3 | 3.6979 | .22070 | 2.3158 | .61139 | 1.2922 | 6.8651 | 41.407 |  |

Sample Name: S4      Acquired: 7/25/2018 12:36:37      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S04      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1434.4 | 2334.7 | 24064. | 4227.3 | 2572.5 |
| Stddev    | 11.6   | 6.6    | 117.   | 13.7   | 7.3    |
| %RSD      | .80750 | .28186 | .48571 | .32307 | .28212 |
| #1        | 1421.6 | 2332.7 | 23932. | 4226.6 | 2572.0 |
| #2        | 1437.4 | 2342.1 | 24154. | 4214.0 | 2580.0 |
| #3        | 1444.2 | 2329.4 | 24106. | 4241.3 | 2565.5 |

Sample Name: S5      Acquired: 7/25/2018 12:40:26      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .36509 | .58097 | 10.461 | .91618 | 1.4377 | 15.990 | 52.113 | 8.4525 |
| Stddev | .00208 | .00217 | .016   | .00532 | .0091  | .083   | .139   | .0198  |
| %RSD   | .56981 | .37374 | .15317 | .58041 | .63097 | .51687 | .26626 | .23425 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .36332 | .57982 | 10.461 | .91355 | 1.4314 | 15.940 | 52.261 | 8.4403 |
| #2 | .36457 | .57961 | 10.445 | .91269 | 1.4337 | 15.945 | 51.986 | 8.4418 |
| #3 | .36738 | .58347 | 10.477 | .92230 | 1.4481 | 16.086 | 52.091 | 8.4753 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 15.005 | 23.324 | 4.7805 | 4.4889 | 2.7683 | 4.1117 | 6.6489 | 3.1568 |
| Stddev | .022   | .113   | .0094  | .0059  | .0092  | .0353  | .0459  | .0161  |
| %RSD   | .14939 | .48518 | .19590 | .13186 | .33172 | .85805 | .69018 | .51070 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.992 | 23.455 | 4.7771 | 4.4892 | 2.7660 | 4.1493 | 6.6993 | 3.1726 |
| #2 | 14.993 | 23.264 | 4.7733 | 4.4829 | 2.7605 | 4.1064 | 6.6376 | 3.1576 |
| #3 | 15.031 | 23.254 | 4.7911 | 4.4947 | 2.7784 | 4.0794 | 6.6096 | 3.1404 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.5549 | 1.2176 | 1.9347 | .18549 | 1.3269 | 6.5761 | .33037 | 6.3641 |
| Stddev | .0039  | .0011  | .0177  | .00098 | .0117  | .0268  | .00037 | .0191  |
| %RSD   | .15126 | .09173 | .91742 | .52738 | .87973 | .40784 | .11139 | .30073 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5521 | 1.2171 | 1.9198 | .18579 | 1.3288 | 6.5517 | .32995 | 6.3571 |
| #2 | 2.5532 | 1.2168 | 1.9300 | .18440 | 1.3143 | 6.5719 | .33052 | 6.3495 |
| #3 | 2.5593 | 1.2188 | 1.9544 | .18629 | 1.3375 | 6.6048 | .33064 | 6.3858 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 7.8361 | .42480 | 4.6357 | 1.2805 | 2.6114 | 14.527 | 83.790 |  |
| Stddev | .0488  | .00095 | .0136  | .0029  | .0143  | .062   | .769   |  |
| %RSD   | .62338 | .22422 | .29412 | .22254 | .54728 | .42374 | .91815 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 7.7997 | .42373 | 4.6254 | 1.2803 | 2.6047 | 14.481 | 83.049 |  |
| #2 | 7.8171 | .42514 | 4.6305 | 1.2777 | 2.6017 | 14.503 | 84.585 |  |
| #3 | 7.8916 | .42554 | 4.6512 | 1.2834 | 2.6278 | 14.597 | 83.737 |  |

Sample Name: S5      Acquired: 7/25/2018 12:40:26      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1337.7 | 2129.3 | 23490. | 4099.1 | 2369.8 |
| Stddev    | 7.4    | 6.6    | 79.    | 15.0   | 4.6    |
| %RSD      | .54945 | .31205 | .33474 | .36483 | .19481 |
| #1        | 1330.9 | 2131.1 | 23425. | 4095.0 | 2364.5 |
| #2        | 1345.5 | 2134.8 | 23577. | 4115.6 | 2372.6 |
| #3        | 1336.9 | 2121.9 | 23467. | 4086.6 | 2372.3 |

Sample Name: S6      Acquired: 7/25/2018 12:44:23      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S06      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|
| Elem   | Al3961 | Ca3736 | Fe2598 | Mg2790 | Na8183 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 43.275 | 36.572 | 11.016 | 5.2189 | 5.4366 |
| Stddev | .080   | .126   | .043   | .0131  | .0195  |
| %RSD   | .18599 | .34404 | .39164 | .25031 | .35838 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 43.221 | 36.620 | 11.010 | 5.2208 | 5.4300 |
| #2 | 43.237 | 36.667 | 11.061 | 5.2309 | 5.4214 |
| #3 | 43.368 | 36.430 | 10.976 | 5.2050 | 5.4586 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 4167.8 |
| Stddev    | 15.6   |
| %RSD      | .37545 |

|    |        |
|----|--------|
| #1 | 4154.1 |
| #2 | 4184.8 |
| #3 | 4164.6 |

Sample Name: ICV      Acquired: 7/25/2018 12:48:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.037700 | 1.068888 | 1.020547 | 1.021246 | .9633962 | 2.368534 |
| Stddev | .009358  | .004928  | .004835  | .008571  | .0079395 | .014697  |
| %RSD   | .9017779 | .4610703 | .4737403 | .8392475 | .8241198 | .6205189 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.035987 | 1.063355 | 1.015556 | 1.013784 | .9570172 | 2.357050 |
| #2 | 1.029316 | 1.072806 | 1.020877 | 1.019347 | .9608834 | 2.363455 |
| #3 | 1.047795 | 1.070503 | 1.025209 | 1.030607 | .9722881 | 2.385097 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5171082 | .5085577 | .5383019 | 10.28543 | .5105213 | .5194862 |
| Stddev | .0015997 | .0058620 | .0022738 | .03548   | .0000650 | .0012328 |
| %RSD   | .3093557 | 1.152665 | .4224071 | .3449100 | .0127310 | .2373098 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5188564 | .5018463 | .5364039 | 10.32633 | .5105084 | .5182891 |
| #2 | .5167508 | .5111520 | .5376799 | 10.26694 | .5105917 | .5194177 |
| #3 | .5157175 | .5126749 | .5408220 | 10.26301 | .5104637 | .5207518 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5360106 | 5.295468 | .5369636 | 5.865275 | .5344700 | .4801725 |
| Stddev | .0056362 | .060106  | .0031935 | .068181  | .0022739 | .0027246 |
| %RSD   | 1.051515 | 1.135054 | .5947246 | 1.162444 | .4254494 | .5674230 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5378161 | 5.364699 | .5347801 | 5.804404 | .5334303 | .4772713 |
| #2 | .5296928 | 5.256609 | .5354819 | 5.938950 | .5329019 | .4826771 |
| #3 | .5405228 | 5.265094 | .5406287 | 5.852473 | .5370779 | .4805689 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.540101 | .5365785 | 1.011189 | 9.560930 | F .0120396 | F .0142051 |
| Stddev | .350275  | .0026489 | .018893  | .028891  | .0031517   | .0007380   |
| %RSD   | 3.671608 | .4936589 | 1.868382 | .3021782 | 26.17777   | 5.195411   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.151799 | .5338734 | 1.006746 | 9.571825 | .0123043 | .0136685 |
| #2 | 9.832278 | .5391672 | .994913  | 9.528175 | .0150506 | .0150467 |
| #3 | 9.636226 | .5366949 | 1.031907 | 9.582788 | .0087639 | .0139001 |

Sample Name: ICV      Acquired: 7/25/2018 12:48:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Mo2020     | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F .0006782 | -.060012 | .0039860 | F -.000003 | -.000670 | .0033337 |
| Stddev | .0003275   | .004348  | .0017952 | .001512    | .000858  | .0003557 |
| %RSD   | 48.28222   | 7.244719 | 45.03757 | 45736.00   | 127.9784 | 10.66896 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0006988 | -.064808 | .0023614 | .001739  | -.000692 | .0037444 |
| #2 | .0003410 | -.058900 | .0059133 | -.000978 | .000198  | .0031258 |
| #3 | .0009950 | -.056329 | .0036832 | -.000771 | -.001516 | .0031310 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0121637 |
| Stddev | .0001149 |
| %RSD   | .9444928 |

|    |          |
|----|----------|
| #1 | .0120667 |
| #2 | .0122906 |
| #3 | .0121337 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1661.026 | 2673.359 | 25690.99 | 4455.870 | 2944.951 |
| Stddev    | 11.245   | 18.530   | 43.59    | 22.248   | 15.651   |
| %RSD      | .6770185 | .6931224 | .1696893 | .4992866 | .5314436 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1673.940 | 2684.640 | 25643.55 | 4475.966 | 2952.990 |
| #2 | 1653.394 | 2683.464 | 25700.12 | 4459.680 | 2954.948 |
| #3 | 1655.744 | 2651.974 | 25729.29 | 4431.963 | 2926.914 |

Sample Name: ICB      Acquired: 7/25/2018 12:52:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000205 | -.000112 | .0013237 | -.000147 | -.001183 | .0080321 | -.000146 |
| Stddev | .000337  | .002037  | .0012106 | .001320  | .000617  | .0123756 | .000746  |
| %RSD   | 164.5041 | 1814.530 | 91.45262 | 897.5011 | 52.16333 | 154.0775 | 510.2842 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000159 | .000892  | .0001437 | -.001664 | -.001541 | .0197071 | .000385  |
| #2 | -.000562 | .001227  | .0025627 | .000739  | -.001537 | .0093308 | -.000999 |
| #3 | .000107  | -.002456 | .0012648 | .000483  | -.000470 | -.004942 | .000176  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000424 | .0000490 | .0021147 | -.000882 | -.000010 | -.002347 | .0033100 |
| Stddev | .0001469 | .0000920 | .0116565 | .000849  | .000243  | .005428  | .0191312 |
| %RSD   | 346.3588 | 187.8050 | 551.2092 | 96.21348 | 2373.364 | 231.2644 | 577.9829 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001896 | .0001543 | -.001322 | -.001852 | .000261  | .003918  | -.010550 |
| #2 | .0000418 | .0000082 | -.007437 | -.000271 | -.000087 | -.005628 | .025137  |
| #3 | -.000104 | -.000016 | .015103  | -.000525 | -.000205 | -.005332 | -.004657 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000782 | .0438706 | -.000180 | .0000898 | -.741180 | -.001760 | .0108039 |
| Stddev | .000321  | .0352594 | .000519  | .0004309 | .266819  | .004566  | .0107574 |
| %RSD   | 41.02140 | 80.37130 | 288.2575 | 479.9067 | 35.99925 | 259.3685 | 99.56965 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001133 | .0206247 | -.000274 | .0001980 | -.624242 | -.003032 | .0131540 |
| #2 | -.000708 | .0265463 | -.000647 | .0004563 | -1.04650 | -.005556 | .0201921 |
| #3 | -.000504 | .0844408 | .000380  | -.000385 | -.55280  | .003307  | -.000934 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.546656 | -.006008 | .0018122 | -.000017 | -.052080 | -.001650 | .0005160 |
| Stddev | .020312  | .003063  | .0006394 | .000221  | .007404  | .000957  | .0004464 |
| %RSD   | 3.715596 | 50.97586 | 35.28368 | 1289.009 | 14.21742 | 58.02866 | 86.50996 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.547584 | -.007423 | .0013158 | .000192  | -.060101 | -.001036 | .0003448 |
| #2 | -.566487 | -.002494 | .0025338 | -.000249 | -.045505 | -.002753 | .0010227 |
| #3 | -.525896 | -.008108 | .0015871 | .000005  | -.050636 | -.001161 | .0001806 |

Sample Name: ICB      Acquired: 7/25/2018 12:52:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000383 | -.001017 | .0000888 |
| Stddev | .002883  | .001352  | .0000993 |
| %RSD   | 753.6717 | 132.9479 | 111.8489 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000263  | -.002577 | .0000453 |
| #2 | .002123  | -.000287 | .0000186 |
| #3 | -.003534 | -.000187 | .0002024 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1657.594 | 2659.285 | 25551.36 | 4439.300 | 2886.547 |
| Stddev    | 8.467    | 4.063    | 75.53    | 12.344   | 4.737    |
| %RSD      | .5107710 | .1527973 | .2956175 | .2780579 | .1641164 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1666.783 | 2663.865 | 25635.55 | 4452.200 | 2887.003 |
| #2 | 1655.889 | 2656.111 | 25489.53 | 4427.600 | 2891.039 |
| #3 | 1650.110 | 2657.880 | 25528.99 | 4438.100 | 2881.598 |

Sample Name: ICSA      Acquired: 7/25/2018 13:03:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000415 | .0022320 | -.002023 | .0037892 | .0014690 | 236.0963 |
| Stddev | .002730  | .0027950 | .000739  | .0011443 | .0022498 | .5822    |
| %RSD   | 657.1139 | 125.2246 | 36.53347 | 30.20069 | 153.1551 | .2465750 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.003412 | .0047906 | -.002577 | .0024744 | .0022765 | 235.5194 |
| #2 | .001930  | .0026562 | -.001184 | .0045610 | -.001073 | 236.6835 |
| #3 | .000235  | -.000751 | -.002310 | .0043321 | .003204  | 236.0861 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0058737 | .0008789 | -.000113 | 242.1590 | .0463306 | .0002062 |
| Stddev | .0013673 | .0000139 | .000071  | .7545    | .0007620 | .0004007 |
| %RSD   | 23.27809 | 1.579356 | 62.91105 | .3115589 | 1.644687 | 194.3558 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0073456 | .0008804 | -.000181 | 242.2604 | .0466935 | .0006570 |
| #2 | .0056322 | .0008920 | -.000119 | 241.3590 | .0454549 | .0000706 |
| #3 | .0046432 | .0008644 | -.000039 | 242.8577 | .0468433 | -.000109 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.007761 | 101.4168 | .0116286 | 247.2238 | .0034045 | .0000867 |
| Stddev | .002602  | .2643    | .0005769 | .3789    | .0006601 | .0003295 |
| %RSD   | 33.52156 | .2606554 | 4.961222 | .1532729 | 19.38896 | 379.9328 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.004868 | 101.6215 | .0112433 | 247.6241 | .0027485 | .0002706 |
| #2 | -.008506 | 101.5105 | .0122919 | 246.8706 | .0033963 | .0002832 |
| #3 | -.009908 | 101.1183 | .0113506 | 247.1767 | .0040686 | -.000294 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | -.210019 | .0017212 | .0382969 | -.990694 | -.002587 | F .1492303 |
| Stddev | .177908  | .0113104 | .0160187 | .087032  | .005598  | .0014630   |
| %RSD   | 84.71057 | 657.1255 | 41.82776 | 8.784924 | 216.3625 | .9803858   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.255138 | -.009046 | .0302025 | -.943749 | -.005725 | .1495944 |
| #2 | -.013895 | .013506  | .0279405 | -1.09112 | -.005912 | .1504769 |
| #3 | -.361023 | .000703  | .0567475 | -.93721  | .003876  | .1476196 |

Sample Name: ICSA      Acquired: 7/25/2018 13:03:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019389 | -.060963 | -.000563 | -.003128 | .0000300 | .0011053 |
| Stddev | .0005304 | .008165  | .000873  | .000723  | .0012963 | .0023033 |
| %RSD   | 27.35488 | 13.39303 | 155.1244 | 23.12602 | 4326.211 | 208.3827 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0018380 | -.056838 | -.000699 | -.003637 | .0014251 | -.001287 |
| #2 | .0014662 | -.070367 | -.001359 | -.003446 | -.000198 | .003308  |
| #3 | .0025124 | -.055683 | .000370  | -.002300 | -.001137 | .001295  |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1025740 |
| Stddev | .0003819 |
| %RSD   | .3723108 |

|    |          |
|----|----------|
| #1 | .1021489 |
| #2 | .1026849 |
| #3 | .1028882 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1591.494 | 2540.224 | 25099.45 | 4454.003 | 2754.558 |
| Stddev    | 2.058    | 6.588    | 150.99   | 7.747    | 5.561    |
| %RSD      | .1293262 | .2593341 | .6015504 | .1739253 | .2018722 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1592.088 | 2538.392 | 25093.94 | 4451.216 | 2752.415 |
| #2 | 1589.204 | 2547.534 | 24951.29 | 4462.757 | 2760.872 |
| #3 | 1593.190 | 2534.746 | 25253.11 | 4448.035 | 2750.389 |

Sample Name: ICSAB      Acquired: 7/25/2018 13:07:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0901060 | .1124671 | .0512502 | .0575238 | .6181042 | 247.2003 |
| Stddev | .0072140 | .0020451 | .0029018 | .0032295 | .0019803 | .2711    |
| %RSD   | 8.006105 | 1.818400 | 5.662098 | 5.614238 | .3203872 | .1096801 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0838859 | .1120074 | .0492912 | .0608390 | .6188690 | 247.3860 |
| #2 | .0884177 | .1106909 | .0498756 | .0573450 | .6158555 | 247.3257 |
| #3 | .0980144 | .1147029 | .0545840 | .0543874 | .6195881 | 246.8891 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5367788 | .5251690 | 1.070602 | 249.5574 | .5867064 | .5276767 |
| Stddev | .0014137 | .0018647 | .005029  | 1.1528   | .0047262 | .0026547 |
| %RSD   | .2633710 | .3550621 | .4697614 | .4619240 | .8055547 | .5030897 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5352062 | .5259431 | 1.069235 | 248.6146 | .5921623 | .5268427 |
| #2 | .5379442 | .5265219 | 1.066398 | 250.8425 | .5838690 | .5255392 |
| #3 | .5371861 | .5230419 | 1.076174 | 249.2149 | .5840878 | .5306483 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5416053 | 105.6095 | .5500888 | 257.1540 | 1.072393 | .1832304 |
| Stddev | .0097973 | .6739    | .0056192 | .7629    | .006498  | .0003545 |
| %RSD   | 1.808941 | .6380829 | 1.021515 | .2966866 | .6059373 | .1934494 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5344450 | 105.5935 | .5483693 | 257.2814 | 1.071035 | .1828256 |
| #2 | .5527706 | 106.2913 | .5563670 | 257.8452 | 1.066680 | .1834849 |
| #3 | .5376003 | 104.9438 | .5455303 | 256.3354 | 1.079462 | .1833809 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | -.349846 | .5556596 | 1.022724 | -.633547 | .0127236 | F .1541159 |
| Stddev | .273462  | .0033596 | .052256  | .098568  | .0038996 | .0034663   |
| %RSD   | 78.16641 | .6046163 | 5.109533 | 15.55816 | 30.64857 | 2.249142   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.058507 | .5548448 | 1.079510 | -.743989 | .0128301 | .1522585 |
| #2 | -.600980 | .5527824 | 1.012001 | -.602152 | .0165689 | .1581151 |
| #3 | -.390051 | .5593517 | .976661  | -.554500 | .0087718 | .1519742 |

Sample Name: ICSAB      Acquired: 7/25/2018 13:07:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0038897 | -.043935 | .0003523 | -.002725 | -.002917 | .0024737 |
| Stddev | .0002586 | .008819  | .0032563 | .001010  | .001760  | .0021940 |
| %RSD   | 6.647626 | 20.07195 | 924.2413 | 37.04079 | 60.33312 | 88.69394 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0039715 | -.051755 | -.002939 | -.003642 | -.001790 | .0003264 |
| #2 | .0036001 | -.034377 | .000423  | -.002891 | -.004945 | .0047115 |
| #3 | .0040975 | -.045674 | .003573  | -.001644 | -.002016 | .0023831 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1069719 |
| Stddev | .0004015 |
| %RSD   | .3753490 |

|    |          |
|----|----------|
| #1 | .1073906 |
| #2 | .1069351 |
| #3 | .1065901 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1573.372 | 2448.622 | 24572.79 | 4360.130 | 2667.645 |
| Stddev    | 9.583    | 2.312    | 117.17   | 13.141   | 8.420    |
| %RSD      | .6090800 | .0944263 | .4768354 | .3013935 | .3156446 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1571.603 | 2448.564 | 24460.62 | 4346.340 | 2674.970 |
| #2 | 1564.796 | 2450.963 | 24563.34 | 4361.541 | 2669.519 |
| #3 | 1583.716 | 2446.340 | 24694.40 | 4372.508 | 2658.445 |

Sample Name: CCV075      Acquired: 7/25/2018 13:11:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV075      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.837911 | 4.798130 | 23.98349 | 4.559353 | 4.684332 | 397.4187 | 9.571123 |
| Stddev | .030016  | .028241  | .11296   | .021851  | .028932  | .7453    | .013949  |
| %RSD   | .6204233 | .5885730 | .4709786 | .4792587 | .6176310 | .1875436 | .1457355 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.804491 | 4.782803 | 23.93278 | 4.535081 | 4.660603 | 397.4910 | 9.586590 |
| #2 | 4.846667 | 4.780867 | 23.90477 | 4.565517 | 4.675832 | 398.1252 | 9.559498 |
| #3 | 4.862574 | 4.830721 | 24.11291 | 4.577459 | 4.716562 | 396.6398 | 9.567282 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4733059 | 2.416125 | 390.2303 | 15.01779 | 2.435358 | 14.49275 | 404.7095 |
| Stddev | .0029164 | .012945  | .5338    | .01668   | .011385  | .04400   | .8882    |
| %RSD   | .6161714 | .5357892 | .1367972 | .1110818 | .4674790 | .3035856 | .2194737 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4721429 | 2.409954 | 390.8467 | 15.02494 | 2.432692 | 14.48642 | 404.6570 |
| #2 | .4766244 | 2.407420 | 389.9189 | 14.99873 | 2.425542 | 14.53957 | 405.6228 |
| #3 | .4711505 | 2.431001 | 389.9254 | 15.02971 | 2.447839 | 14.45227 | 403.8486 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.21959 | 393.5501 | 2.439403 | 1.201975 | 410.5267 | 2.425378 | 14.19859 |
| Stddev | .02546   | .8719    | .013665  | .003967  | .6568    | .010600  | .15329   |
| %RSD   | .1790508 | .2215416 | .5601617 | .3300211 | .1599964 | .4370573 | 1.079617 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.22679 | 393.1751 | 2.433157 | 1.199436 | 410.8136 | 2.426756 | 14.07443 |
| #2 | 14.24067 | 394.5467 | 2.429978 | 1.206546 | 410.9913 | 2.435222 | 14.36993 |
| #3 | 14.19130 | 392.9285 | 2.455075 | 1.199943 | 409.7753 | 2.414156 | 14.15143 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 152.9869 | 5.098613 | 5.076881 | 4.752794 | 4.859231 | 4.713071 | 4.917597 |
| Stddev | .2765    | .018021  | .046965  | .025839  | .037174  | .050129  | .036162  |
| %RSD   | .1807280 | .3534467 | .9250780 | .5436588 | .7650172 | 1.063625 | .7353629 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 153.0505 | 5.088334 | 5.057056 | 4.732828 | 4.848023 | 4.714131 | 4.892391 |
| #2 | 153.2260 | 5.088083 | 5.130508 | 4.743576 | 4.828951 | 4.762661 | 4.901370 |
| #3 | 152.6841 | 5.119421 | 5.043080 | 4.781977 | 4.900720 | 4.662419 | 4.959031 |

Sample Name: CCV075      Acquired: 7/25/2018 13:11:48      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCV075      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.807460 | 4.895849 | 4.851252 |
| Stddev | .016976  | .011282  | .008142  |
| %RSD   | .3531245 | .2304441 | .1678289 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.803312 | 4.908832 | 4.856148 |
| #2 | 4.826126 | 4.890291 | 4.855754 |
| #3 | 4.792942 | 4.888424 | 4.841853 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1482.574 | 2318.977 | 24418.61 | 4302.083 | 2487.319 |
| Stddev    | 5.572    | 9.850    | 24.60    | 17.670   | 10.528   |
| %RSD      | .3758038 | .4247419 | .1007549 | .4107314 | .4232598 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1487.118 | 2328.339 | 24406.71 | 4293.762 | 2492.873 |
| #2 | 1476.358 | 2319.888 | 24446.90 | 4290.110 | 2493.907 |
| #3 | 1484.247 | 2308.703 | 24402.22 | 4322.378 | 2475.177 |

Sample Name: CCB075      Acquired: 7/25/2018 13:15:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB075      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000255 | -.000055 | .0016878 | .0013816 | -.001126 | -.015805 | .0005827 |
| Stddev | .001256  | .002498  | .0033997 | .0019351 | .001461  | .015192  | .0015271 |
| %RSD   | 493.2611 | 4514.783 | 201.4308 | 140.0682 | 129.7269 | 96.12286 | 262.0596 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000707  | -.002927 | .0017990 | -.000671 | -.002056 | .001718  | -.000779 |
| #2 | -.001675 | .001619  | -.001766 | .001643  | .000557  | -.023850 | .000293  |
| #3 | .000205  | .001142  | .005030  | .003173  | -.001879 | -.025283 | .002234  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000296 | .0001117 | -.015149 | .0003653 | .0002324 | .0030646 | .0138505 |
| Stddev | .0000523 | .0001025 | .020581  | .0004856 | .0001491 | .0000998 | .0117295 |
| %RSD   | 176.6689 | 91.77061 | 135.8544 | 132.9484 | 64.17621 | 3.256851 | 84.68671 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000019 | .0000202 | -.033856 | .0005060 | .0000614 | .0030601 | .0162099 |
| #2 | -.000003 | .0002225 | -.018489 | .0007649 | .0003358 | .0029671 | .0242210 |
| #3 | .000090  | .0000923 | .006897  | -.000175 | .0002999 | .0031665 | .0011206 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001859 | .0054483 | -.000113 | .0005713 | -.981443 | .0009005 | .0258895 |
| Stddev | .002496  | .0121541 | .000485  | .0002413 | .236787  | .0052731 | .0061980 |
| %RSD   | 134.2690 | 223.0793 | 428.3298 | 42.23575 | 24.12642 | 585.5458 | 23.94029 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.004183 | -.000409 | -.000615 | .0006299 | -1.24829 | .0016531 | .0187744 |
| #2 | -.002175 | -.002668 | -.000079 | .0003061 | -.89961  | -.004708 | .0287786 |
| #3 | .000780  | .019422  | .000354  | .0007779 | -.79643  | .005757  | .0301156 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.678731 | -.007534 | .0023467 | .0005551 | -.115074 | .0015559 | .0007715 |
| Stddev | .115329  | .002778  | .0010894 | .0002548 | .008420  | .0019082 | .0010996 |
| %RSD   | 16.99180 | 36.87229 | 46.42435 | 45.89996 | 7.316817 | 122.6392 | 142.5371 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.628588 | -.009607 | .0018430 | .0004073 | -.116339 | .0037107 | -.000333 |
| #2 | -.810644 | -.004378 | .0035968 | .0008493 | -.106094 | .0000801 | .001866  |
| #3 | -.596962 | -.008616 | .0016002 | .0004087 | -.122790 | .0008770 | .000781  |

Sample Name: CCB075      Acquired: 7/25/2018 13:15:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB075      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001281 | -.001260 | .0000505 |
| Stddev | .001012  | .001031  | .0001869 |
| %RSD   | 78.98841 | 81.82453 | 370.3300 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000930 | -.000118 | .0002417 |
| #2 | -.000492 | -.002122 | .0000415 |
| #3 | -.002422 | -.001538 | -.000132 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1652.193 | 2623.751 | 25528.97 | 4460.175 | 2863.280 |
| Stddev    | 16.674   | 3.300    | 85.70    | 30.055   | 3.061    |
| %RSD      | 1.009221 | .1257823 | .3357010 | .6738544 | .1069155 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1648.091 | 2620.239 | 25541.72 | 4465.400 | 2865.071 |
| #2 | 1637.953 | 2626.787 | 25437.61 | 4487.275 | 2865.024 |
| #3 | 1670.536 | 2624.229 | 25607.58 | 4427.850 | 2859.745 |

Sample Name: PB111416BL      Acquired: 7/25/2018 13:19:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020339 | .0052329 | -.001805 | .0017165 | .0004814 | -.018384 | -.000600 |
| Stddev | .0041931 | .0029767 | .000436  | .0006334 | .0006064 | .034660  | .000899  |
| %RSD   | 206.1587 | 56.88526 | 24.13398 | 36.90064 | 125.9706 | 188.5333 | 149.9501 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.002439 | .0019775 | -.001305 | .0020107 | -.000138 | -.002325 | .000080  |
| #2 | .005875  | .0078159 | -.002102 | .0009895 | .000509  | -.058161 | -.001619 |
| #3 | .002666  | .0059052 | -.002007 | .0021493 | .001073  | .005333  | -.000260 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000045 | -.000017 | -.034420 | -.000034 | .0000449 | .0031801 | .0113228 |
| Stddev | .000045  | .000110  | .014231  | .000271  | .0003304 | .0055290 | .0214012 |
| %RSD   | 99.24413 | 642.4491 | 41.34418 | 793.7526 | 736.4060 | 173.8594 | 189.0108 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000096 | -.000005 | -.048639 | .000237  | .0000614 | .0091565 | -.011966 |
| #2 | -.000031 | .000086  | -.020177 | -.000035 | -.000293 | -.001753 | .030126  |
| #3 | -.000009 | -.000133 | -.034445 | -.000305 | .000367  | .002137  | .015808  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001254 | .0149835 | .0001435 | .0001652 | -.733307 | .0028007 | -.002896 |
| Stddev | .001629  | .0657481 | .0005985 | .0002478 | .408018  | .0025595 | .009912  |
| %RSD   | 129.9466 | 438.8025 | 417.0642 | 150.0223 | 55.64079 | 91.38450 | 342.2722 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000225 | -.055960 | -.000090 | .0001667 | -.493839 | .0000521 | .002815  |
| #2 | -.003132 | .073866  | .000824  | -.000083 | -.501659 | .0051155 | .002838  |
| #3 | -.000404 | .027044  | -.000303 | .000412  | -1.20442 | .0032347 | -.014341 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.720843 | -.007147 | -.003089 | .0002779 | -.136728 | .0004978 | -.000745 |
| Stddev | .148990  | .005023  | .000981  | .0004067 | .003784  | .0003167 | .000433  |
| %RSD   | 20.66888 | 70.28172 | 31.74476 | 146.3347 | 2.767283 | 63.62469 | 58.15157 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.755061 | -.001702 | -.004179 | .0004864 | -.136614 | .0008605 | -.001104 |
| #2 | -.557721 | -.011599 | -.002279 | -.000191 | -.140567 | .0002758 | -.000264 |
| #3 | -.849748 | -.008140 | -.002809 | .000538  | -.133003 | .0003570 | -.000866 |

Sample Name: PB111416BL      Acquired: 7/25/2018 13:19:45      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000242 | -.001937 | .0001683 |
| Stddev | .001004  | .001006  | .0000907 |
| %RSD   | 414.8711 | 51.94830 | 53.91389 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000854  | -.002852 | .0000797 |
| #2 | -.000464 | -.000859 | .0002610 |
| #3 | -.001116 | -.002100 | .0001641 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1669.786 | 2649.137 | 25632.04 | 4508.458 | 2883.090 |
| Stddev    | 17.887   | 19.592   | 88.54    | 42.905   | 18.203   |
| %RSD      | 1.071229 | .7395524 | .3454278 | .9516587 | .6313684 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1658.021 | 2662.141 | 25555.87 | 4498.475 | 2895.607 |
| #2 | 1660.968 | 2658.665 | 25611.06 | 4555.475 | 2891.454 |
| #3 | 1690.370 | 2626.603 | 25729.18 | 4471.425 | 2862.208 |

Sample Name: PB111416BS      Acquired: 7/25/2018 13:23:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0195069 | .0528655 | .0215813 | .0733102 | .1241462 | .3905565 |
| Stddev | .0042612 | .0014464 | .0018663 | .0020806 | .0020996 | .0027010 |
| %RSD   | 21.84432 | 2.736046 | 8.647985 | 2.838041 | 1.691251 | .6915717 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0186575 | .0513960 | .0194435 | .0722503 | .1221936 | .3923563 |
| #2 | .0241288 | .0542877 | .0228859 | .0719729 | .1238779 | .3874507 |
| #3 | .0157345 | .0529127 | .0224145 | .0757073 | .1263671 | .3918624 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4157920 | .0104204 | .0110368 | 10.29000 | .0191227 | .1037036 |
| Stddev | .0008716 | .0001561 | .0001304 | .01583   | .0007974 | .0008431 |
| %RSD   | .2096140 | 1.497780 | 1.181614 | .1538327 | 4.169671 | .8129656 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4150778 | .0103147 | .0108918 | 10.30588 | .0200167 | .1032987 |
| #2 | .4155351 | .0103469 | .0110739 | 10.28991 | .0184850 | .1031394 |
| #3 | .4167631 | .0105997 | .0111446 | 10.27422 | .0188665 | .1046727 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0544630 | .2213620 | .0333839 | 9.965838 | .0869082 | .0205568 |
| Stddev | .0038526 | .0081775 | .0004430 | .064882  | .0007134 | .0003379 |
| %RSD   | 7.073786 | 3.694160 | 1.326833 | .6510432 | .8208553 | 1.643631 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0579654 | .2297636 | .0330304 | 9.945830 | .0868688 | .0207813 |
| #2 | .0550873 | .2208936 | .0338808 | 9.913317 | .0862153 | .0201682 |
| #3 | .0503364 | .2134288 | .0332404 | 10.03837 | .0876404 | .0207208 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.10581 | .1138875 | .1032074 | 9.650252 | .0240436 | F .0138591 |
| Stddev | .49283   | .0105067 | .0129552 | .088265  | .0045175 | .0007622   |
| %RSD   | 4.876688 | 9.225546 | 12.55254 | .9146411 | 18.78872 | 5.499404   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.11869 | .1219118 | .0888749 | 9.552580 | .0221224 | .0130022 |
| #2 | 10.59207 | .1019950 | .1066629 | 9.673872 | .0208042 | .0141141 |
| #3 | 9.60667  | .1177557 | .1140844 | 9.724305 | .0292041 | .0144611 |

Sample Name: PB111416BS      Acquired: 7/25/2018 13:23:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0214072 | .0234000 | .1956732 | F .0147058 | .2118295 | .0922922 |
| Stddev | .0000831 | .0059786 | .0021664 | .0011881   | .0019023 | .0015944 |
| %RSD   | .3882265 | 25.54962 | 1.107171 | 8.078771   | .8980530 | 1.727500 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0214250 | .0210358 | .1978475 | .0134507 | .2111584 | .0932395 |
| #2 | .0213167 | .0189649 | .1935148 | .0148538 | .2103536 | .0904515 |
| #3 | .0214800 | .0301991 | .1956573 | .0158130 | .2139764 | .0931857 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2097026 |
| Stddev | .0003330 |
| %RSD   | .1587809 |

|    |          |
|----|----------|
| #1 | .2095680 |
| #2 | .2094580 |
| #3 | .2100818 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1662.592 | 2643.827 | 25833.83 | 4547.142 | 2949.765 |
| Stddev    | 7.118    | 8.459    | 43.82    | 11.156   | 12.975   |
| %RSD      | .4281368 | .3199391 | .1696214 | .2453448 | .4398650 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1654.813 | 2648.204 | 25794.08 | 4538.550 | 2954.574 |
| #2 | 1668.780 | 2649.200 | 25826.58 | 4543.125 | 2959.648 |
| #3 | 1664.184 | 2634.077 | 25880.82 | 4559.750 | 2935.072 |

Sample Name: J4077-01      Acquired: 7/25/2018 13:28:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0128023 | -.007829 | .0343734 | .0079316 | .0032542 | 46.57435 | .0772205 |
| Stddev | .0025558 | .002912  | .0017554 | .0023659 | .0019554 | .22124   | .0007557 |
| %RSD   | 19.96357 | 37.19280 | 5.106950 | 29.82858 | 60.08660 | .4750242 | .9786060 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0149909 | -.005145 | .0362518 | .0087228 | .0028799 | 46.73663 | .0771418 |
| #2 | .0134226 | -.007416 | .0340938 | .0052715 | .0015131 | 46.32235 | .0765073 |
| #3 | .0099935 | -.010925 | .0327745 | .0098005 | .0053697 | 46.66409 | .0780125 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015953 | .0011357 | 78.68861 | .1747596 | .0375275 | .0648934 | 96.80570 |
| Stddev | .0001040 | .0001141 | .22300   | .0007715 | .0004303 | .0025505 | .16466   |
| %RSD   | 6.521302 | 10.04814 | .2834015 | .4414810 | 1.146582 | 3.930263 | .1700904 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014949 | .0012317 | 78.67516 | .1739502 | .0371078 | .0619792 | 96.98597 |
| #2 | .0017027 | .0010095 | 78.47264 | .1754866 | .0375071 | .0659822 | 96.66323 |
| #3 | .0015883 | .0011658 | 78.91804 | .1748420 | .0379676 | .0667187 | 96.76790 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.066169 | 31.40873 | .2001363 | .0005590 | 35.65275 | .2239996 | .2380722 |
| Stddev | .001380  | .05696   | .0007186 | .0001767 | .11925   | .0116298 | .0161087 |
| %RSD   | .1294080 | .1813449 | .3590373 | 31.61909 | .3344883 | 5.191899 | 6.766312 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.067353 | 31.47271 | .1994880 | .0007578 | 35.70724 | .2283853 | .2511086 |
| #2 | 1.066501 | 31.36354 | .2000119 | .0004197 | 35.73502 | .2327989 | .2430443 |
| #3 | 1.064654 | 31.38995 | .2009089 | .0004994 | 35.51598 | .2108146 | .2200636 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.711015 | 2.124652 | .1817025 | .0075805 | 16.49644 | 1.242127 | .0068833 |
| Stddev | .128423  | .016532  | .0008419 | .0000641 | .06756   | .013547  | .0006039 |
| %RSD   | 2.726022 | .7781253 | .4633196 | .8451763 | .4095683 | 1.090620 | 8.773749 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.596741 | 2.114337 | .1811897 | .0075094 | 16.45223 | 1.227163 | .0070482 |
| #2 | 4.686306 | 2.115899 | .1826741 | .0076337 | 16.46286 | 1.245665 | .0073877 |
| #3 | 4.849997 | 2.143721 | .1812438 | .0075984 | 16.57421 | 1.253554 | .0062141 |

Sample Name: J4077-01      Acquired: 7/25/2018 13:28:04      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJJ1T5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.533325 | .0643266 | .7293559 |
| Stddev | .019523  | .0012341 | .0030300 |
| %RSD   | .5525266 | 1.918467 | .4154362 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.540834 | .0656787 | .7309499 |
| #2 | 3.511163 | .0632610 | .7258616 |
| #3 | 3.547978 | .0640401 | .7312561 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1692.121 | 2681.507 | 26437.64 | 4695.433 | 2874.548 |
| Stddev    | 10.732   | 6.622    | 66.78    | 24.619   | 5.772    |
| %RSD      | .6342259 | .2469563 | .2525952 | .5243120 | .2007948 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1679.753 | 2676.471 | 26374.66 | 4692.696 | 2872.945 |
| #2 | 1698.970 | 2689.008 | 26507.66 | 4721.305 | 2880.952 |
| #3 | 1697.640 | 2679.042 | 26430.59 | 4672.297 | 2869.747 |

Sample Name: J4077-02      Acquired: 7/25/2018 13:32:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0150367 | -.009744 | .0473699 | .0133510 | .0023331 | 57.98757 | .1127136 |
| Stddev | .0023471 | .001854  | .0018371 | .0013660 | .0003630 | .04460   | .0005031 |
| %RSD   | 15.60890 | 19.02609 | 3.878223 | 10.23181 | 15.55645 | .0769134 | .4463762 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0155631 | -.007647 | .0454571 | .0148695 | .0024579 | 57.99083 | .1132450 |
| #2 | .0124711 | -.011164 | .0475321 | .0122221 | .0019242 | 57.94143 | .1126512 |
| #3 | .0170759 | -.010420 | .0491205 | .0129614 | .0026172 | 58.03045 | .1122445 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019322 | .0018719 | 26.36213 | .1986354 | .0457314 | .1095164 | 115.9418 |
| Stddev | .0000634 | .0001425 | .13794   | .0010137 | .0004586 | .0023959 | .6881    |
| %RSD   | 3.283161 | 7.613392 | .5232599 | .5103282 | 1.002793 | 2.187664 | .5934784 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0019713 | .0018511 | 26.51335 | .1993119 | .0457354 | .1079865 | 116.6604 |
| #2 | .0018590 | .0017410 | 26.24320 | .1974699 | .0461879 | .1082851 | 115.8760 |
| #3 | .0019663 | .0020237 | 26.32984 | .1991245 | .0452707 | .1122775 | 115.2889 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.338549 | 37.70850 | .2479369 | -.000079 | 31.72772 | .2517453 | .2581265 |
| Stddev | .005878  | .14167   | .0006750 | .000651  | .42175   | .0078755 | .0107685 |
| %RSD   | .4391287 | .3756970 | .2722362 | 825.3706 | 1.329290 | 3.128372 | 4.171772 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.343805 | 37.67844 | .2473423 | -.000118 | 32.17513 | .2460001 | .2592574 |
| #2 | 1.339640 | 37.86279 | .2477978 | .000591  | 31.33745 | .2607227 | .2468372 |
| #3 | 1.332202 | 37.58428 | .2486706 | -.000709 | 31.67057 | .2485132 | .2682849 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.835052 | 2.524165 | .2224116 | .0175203 | 25.13625 | 1.319111 | .0152429 |
| Stddev | .033766  | .004850  | .0029741 | .0001657 | .08407   | .010563  | .0014318 |
| %RSD   | .5786758 | .1921563 | 1.337198 | .9459093 | .3344490 | .8007899 | 9.393316 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.823693 | 2.520057 | .2257251 | .0175556 | 25.14354 | 1.324749 | .0144951 |
| #2 | 5.808429 | 2.522922 | .2215365 | .0173397 | 25.04877 | 1.306925 | .0143398 |
| #3 | 5.873032 | 2.529515 | .2199733 | .0176655 | 25.21643 | 1.325660 | .0168938 |

Sample Name: J4077-02      Acquired: 7/25/2018 13:32:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.140670 | .0799406 | .1844122 |
| Stddev | .017187  | .0022100 | .0001391 |
| %RSD   | .4150776 | 2.764528 | .0754284 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.141643 | .0795540 | .1844730 |
| #2 | 4.123017 | .0823184 | .1845106 |
| #3 | 4.157349 | .0779495 | .1842531 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1706.359 | 2688.066 | 26526.91 | 4704.873 | 2865.951 |
| Stddev    | 11.898   | 5.815    | 184.55   | 32.222   | 6.614    |
| %RSD      | .6972577 | .2163100 | .6957170 | .6848610 | .2307857 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1696.792 | 2694.249 | 26328.58 | 4668.997 | 2871.973 |
| #2 | 1702.604 | 2687.242 | 26558.56 | 4714.271 | 2867.008 |
| #3 | 1719.681 | 2682.708 | 26693.59 | 4731.351 | 2858.872 |

Sample Name: J4077-03      Acquired: 7/25/2018 13:36:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0108069 | -.004764 | .0821922 | .0116907 | .0010863 | 54.48744 | .1132998 |
| Stddev | .0023244 | .002407  | .0007526 | .0012685 | .0008603 | .29302   | .0010147 |
| %RSD   | 21.50806 | 50.52725 | .9156381 | 10.85023 | 79.19978 | .5377827 | .8955937 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0081341 | -.002796 | .0814801 | .0106188 | .0010562 | 54.17833 | .1126118 |
| #2 | .0119322 | -.004048 | .0821169 | .0113622 | .0002414 | 54.52283 | .1144652 |
| #3 | .0123545 | -.007447 | .0829796 | .0130911 | .0019613 | 54.76117 | .1128225 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017952 | .0043927 | 25.58286 | .1920603 | .0431924 | .1233994 | 109.2593 |
| Stddev | .0000258 | .0001286 | .10081   | .0014478 | .0002324 | .0030949 | .5904    |
| %RSD   | 1.436301 | 2.926518 | .3940547 | .7538170 | .5381499 | 2.508043 | .5403384 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0018249 | .0045249 | 25.53438 | .1935791 | .0434608 | .1269562 | 108.6349 |
| #2 | .0017824 | .0042681 | 25.69875 | .1919057 | .0430563 | .1219222 | 109.8085 |
| #3 | .0017784 | .0043851 | 25.51545 | .1906960 | .0430601 | .1213199 | 109.3344 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.207075 | 36.81616 | .2354771 | .0007690 | 39.46344 | .2391377 | .3039958 |
| Stddev | .008377  | .12211   | .0009698 | .0002000 | .25493   | .0066576 | .0100020 |
| %RSD   | .6939578 | .3316647 | .4118343 | 26.00050 | .6459807 | 2.784017 | 3.290191 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.202731 | 36.68210 | .2344793 | .0009939 | 39.60662 | .2403625 | .3073072 |
| #2 | 1.216731 | 36.92102 | .2355357 | .0007020 | 39.61460 | .2319527 | .2927579 |
| #3 | 1.201762 | 36.84535 | .2364162 | .0006112 | 39.16912 | .2450979 | .3119221 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.228792 | 2.952998 | .2125360 | .0150609 | 31.98732 | 1.561976 | .0239360 |
| Stddev | .135760  | .024321  | .0016509 | .0001981 | .19673   | .018779  | .0003975 |
| %RSD   | 2.179561 | .8236031 | .7767718 | 1.315240 | .6150321 | 1.202275 | 1.660579 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.081882 | 2.934701 | .2106554 | .0152831 | 31.84550 | 1.560816 | .0243423 |
| #2 | 6.254878 | 2.943696 | .2137464 | .0149029 | 31.90455 | 1.543804 | .0239176 |
| #3 | 6.349617 | 2.980597 | .2132063 | .0149966 | 32.21192 | 1.581309 | .0235480 |

Sample Name: J4077-03      Acquired: 7/25/2018 13:36:13      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJJ1T7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.588528 | .0746747 | .1939852 |
| Stddev | .011031  | .0010484 | .0007545 |
| %RSD   | .3073960 | 1.403982 | .3889192 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.576048 | .0738761 | .1932191 |
| #2 | 3.592557 | .0758620 | .1940090 |
| #3 | 3.596977 | .0742861 | .1947274 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1698.188 | 2652.494 | 26291.12 | 4663.886 | 2839.544 |
| Stddev    | 5.997    | 4.978    | 10.03    | 42.974   | 6.444    |
| %RSD      | .3531531 | .1876790 | .0381619 | .9214158 | .2269239 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1693.354 | 2656.192 | 26289.59 | 4713.254 | 2844.245 |
| #2 | 1696.311 | 2654.455 | 26301.84 | 4643.535 | 2842.188 |
| #3 | 1704.899 | 2646.834 | 26281.95 | 4634.867 | 2832.199 |

Sample Name: J4077-04      Acquired: 7/25/2018 13:40:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0137998 | -.011059 | .1386449 | .0166509 | .0042934 | 76.86812 | .1811608 |
| Stddev | .0020773 | .001442  | .0010109 | .0016848 | .0013414 | .37507   | .0006785 |
| %RSD   | 15.05286 | 13.03570 | .7290947 | 10.11852 | 31.24274 | .4879371 | .3745578 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0161565 | -.009516 | .1379499 | .0156259 | .0031830 | 77.27434 | .1806032 |
| #2 | .0122348 | -.012372 | .1398045 | .0157314 | .0039134 | 76.53494 | .1809629 |
| #3 | .0130082 | -.011287 | .1381802 | .0185954 | .0057838 | 76.79510 | .1819163 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024614 | .0043219 | 27.99953 | .2588911 | .0592445 | .2722733 | 142.4840 |
| Stddev | .0000461 | .0001248 | .07220   | .0009971 | .0001167 | .0070391 | .1747    |
| %RSD   | 1.872468 | 2.888360 | .2578743 | .3851472 | .1969764 | 2.585299 | .1225962 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0024869 | .0044199 | 27.94777 | .2599448 | .0591112 | .2744008 | 142.2921 |
| #2 | .0024082 | .0041814 | 27.96881 | .2587661 | .0592941 | .2780032 | 142.6336 |
| #3 | .0024891 | .0043643 | 28.08201 | .2579624 | .0593283 | .2644159 | 142.5264 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.436774 | 47.08018 | .3115465 | .0013416 | 46.20582 | .3355133 | .4602080 |
| Stddev | .003065  | .05691   | .0013252 | .0002361 | .35924   | .0047116 | .0156485 |
| %RSD   | .2133109 | .1208686 | .4253659 | 17.59729 | .7774780 | 1.404308 | 3.400316 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.437580 | 47.02901 | .3101752 | .0011598 | 46.59501 | .3355517 | .4453754 |
| #2 | 1.439356 | 47.07008 | .3116442 | .0016084 | 45.88692 | .3307825 | .4765614 |
| #3 | 1.433387 | 47.14147 | .3128202 | .0012565 | 46.13551 | .3402056 | .4586872 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.356736 | 3.086224 | .3168686 | .0283628 | 48.48500 | 2.201582 | .0334412 |
| Stddev | .188653  | .017002  | .0004515 | .0000238 | .18820   | .017613  | .0010359 |
| %RSD   | 2.016224 | .5509135 | .1424797 | .0838594 | .3881512 | .8000358 | 3.097582 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.376937 | 3.070448 | .3168779 | .0283407 | 48.27035 | 2.220043 | .0329346 |
| #2 | 9.534476 | 3.104233 | .3164125 | .0283880 | 48.56297 | 2.184961 | .0346329 |
| #3 | 9.158796 | 3.083992 | .3173153 | .0283598 | 48.62168 | 2.199740 | .0327561 |

Sample Name: J4077-04      Acquired: 7/25/2018 13:40:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.439065 | .0980818 | .2459013 |
| Stddev | .036253  | .0011340 | .0006932 |
| %RSD   | .6665354 | 1.156145 | .2818901 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.474169 | .0993912 | .2466570 |
| #2 | 5.401762 | .0974391 | .2457522 |
| #3 | 5.441264 | .0974153 | .2452949 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1689.408 | 2650.128 | 26372.61 | 4680.025 | 2807.652 |
| Stddev    | 5.995    | 2.681    | 26.02    | 26.602   | .876     |
| %RSD      | .3548311 | .1011799 | .0986792 | .5684185 | .0312027 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1685.044 | 2649.953 | 26351.28 | 4652.667 | 2806.839 |
| #2 | 1696.243 | 2652.892 | 26364.94 | 4681.609 | 2808.580 |
| #3 | 1686.938 | 2647.538 | 26401.60 | 4705.800 | 2807.537 |

Sample Name: J4077-05      Acquired: 7/25/2018 13:44:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0149599 | -.009025 | .0349690 | .0102311 | .0000647 | 46.91433 | .0821861 |
| Stddev | .0031347 | .001480  | .0006607 | .0004719 | .0018470 | .02134   | .0009079 |
| %RSD   | 20.95376 | 16.40040 | 1.889446 | 4.611917 | 2856.745 | .0454952 | 1.104726 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0176295 | -.010479 | .0345888 | .0102345 | .0006504 | 46.91266 | .0811906 |
| #2 | .0115082 | -.007520 | .0345862 | .0097575 | -.002004 | 46.89387 | .0823991 |
| #3 | .0157420 | -.009075 | .0357319 | .0107012 | .001548  | 46.93646 | .0829685 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016505 | .0017502 | 29.16473 | .1587191 | .0340956 | .0649281 | 106.0520 |
| Stddev | .0000753 | .0001590 | .05434   | .0009702 | .0003867 | .0022564 | .1733    |
| %RSD   | 4.563028 | 9.085254 | .1863245 | .6112733 | 1.134254 | 3.475297 | .1634134 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016609 | .0017660 | 29.19951 | .1578083 | .0341941 | .0650825 | 106.0189 |
| #2 | .0017200 | .0015838 | 29.10211 | .1586095 | .0344235 | .0625984 | 106.2394 |
| #3 | .0015705 | .0019006 | 29.19256 | .1597394 | .0336691 | .0671034 | 105.8976 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.116669 | 31.29032 | .1920912 | .0001609 | 31.51556 | .1971279 | .2794291 |
| Stddev | .002348  | .06756   | .0006246 | .0002544 | .35812   | .0173727 | .0101062 |
| %RSD   | .2102764 | .2159025 | .3251419 | 158.0621 | 1.136314 | 8.812901 | 3.616712 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.114457 | 31.24396 | .1920141 | -.000129 | 31.36852 | .1957829 | .2905648 |
| #2 | 1.116417 | 31.36783 | .1915088 | .000345  | 31.25438 | .1804667 | .2708394 |
| #3 | 1.119133 | 31.25917 | .1927508 | .000267  | 31.92379 | .2151339 | .2768831 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.493632 | 2.146414 | .1959047 | .0183213 | 37.71982 | 1.668406 | .1607972 |
| Stddev | .214448  | .007575  | .0011066 | .0001361 | .14124   | .043098  | .0029121 |
| %RSD   | 4.772263 | .3529334 | .5648889 | .7429902 | .3744404 | 2.583157 | 1.811053 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.247772 | 2.151102 | .1949131 | .0181953 | 37.74740 | 1.713210 | .1608831 |
| #2 | 4.591015 | 2.137674 | .1970985 | .0184657 | 37.56683 | 1.627246 | .1578431 |
| #3 | 4.642108 | 2.150465 | .1957024 | .0183029 | 37.84524 | 1.664762 | .1636654 |

Sample Name: J4077-05      Acquired: 7/25/2018 13:44:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.434313 | .0637599 | .1971789 |
| Stddev | .007772  | .0026747 | .0000660 |
| %RSD   | .2262955 | 4.194875 | .0334933 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.428238 | .0656792 | .1971958 |
| #2 | 3.431631 | .0648956 | .1972349 |
| #3 | 3.443071 | .0607048 | .1971061 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1723.325 | 2715.626 | 26786.07 | 4742.983 | 2918.425 |
| Stddev    | 12.925   | 4.635    | 131.71   | 21.808   | 6.678    |
| %RSD      | .7499837 | .1706834 | .4916929 | .4597919 | .2288364 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1718.325 | 2718.805 | 26655.91 | 4719.425 | 2919.992 |
| #2 | 1713.647 | 2717.766 | 26783.03 | 4747.058 | 2924.181 |
| #3 | 1738.002 | 2710.308 | 26919.27 | 4762.465 | 2911.102 |

Sample Name: J4077-06      Acquired: 7/25/2018 13:48:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0169641 | -.007498 | .0351636 | .0120595 | .0012352 | 47.44242 | .0831929 |
| Stddev | .0009237 | .002250  | .0006559 | .0024038 | .0007076 | .02688   | .0007365 |
| %RSD   | 5.445124 | 30.00789 | 1.865412 | 19.93241 | 57.28705 | .0566487 | .8852476 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0172920 | -.010094 | .0350440 | .0109939 | .0019983 | 47.41248 | .0839289 |
| #2 | .0159211 | -.006121 | .0345757 | .0103728 | .0006008 | 47.46448 | .0831937 |
| #3 | .0176791 | -.006278 | .0358711 | .0148119 | .0011064 | 47.45029 | .0824560 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016273 | .0017960 | 29.37346 | .1611847 | .0349085 | .0626517 | 107.1536 |
| Stddev | .0000143 | .0001337 | .11358   | .0019445 | .0004794 | .0066251 | .4144    |
| %RSD   | .8788582 | 7.441495 | .3866643 | 1.206395 | 1.373410 | 10.57449 | .3867249 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016264 | .0019370 | 29.49871 | .1605286 | .0347951 | .0700138 | 107.5533 |
| #2 | .0016135 | .0016712 | 29.27716 | .1596530 | .0354345 | .0607710 | 107.1816 |
| #3 | .0016421 | .0017798 | 29.34452 | .1633723 | .0344960 | .0571703 | 106.7259 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.131739 | 31.52098 | .1944987 | .0004861 | 32.39473 | .2029007 | .2927296 |
| Stddev | .006225  | .22366   | .0013282 | .0001649 | .35869   | .0080311 | .0086242 |
| %RSD   | .5500502 | .7095643 | .6828850 | 33.92463 | 1.107256 | 3.958159 | 2.946139 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.134496 | 31.77918 | .1930432 | .0004994 | 32.57363 | .1955337 | .2875562 |
| #2 | 1.136110 | 31.39681 | .1948080 | .0006440 | 31.98177 | .2017063 | .2879472 |
| #3 | 1.124612 | 31.38695 | .1956450 | .0003150 | 32.62878 | .2114622 | .3026854 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.648297 | 2.194242 | .1963649 | .0187791 | 38.43731 | 1.625900 | .1635830 |
| Stddev | .050852  | .014104  | .0017055 | .0002524 | .18812   | .008932  | .0010492 |
| %RSD   | 1.093982 | .6427741 | .8685468 | 1.344187 | .4894230 | .5493621 | .6413749 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.638885 | 2.192585 | .1982682 | .0190005 | 38.26386 | 1.635272 | .1624014 |
| #2 | 4.703197 | 2.181039 | .1958512 | .0188326 | 38.41078 | 1.617485 | .1639422 |
| #3 | 4.602809 | 2.209101 | .1949752 | .0185043 | 38.63729 | 1.624943 | .1644053 |

Sample Name: J4077-06      Acquired: 7/25/2018 13:48:19      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJJ1T9D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.478268 | .0637512 | .1993311 |
| Stddev | .007126  | .0003783 | .0006974 |
| %RSD   | .2048824 | .5933392 | .3498623 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.481521 | .0637015 | .1999079 |
| #2 | 3.483187 | .0634004 | .1985560 |
| #3 | 3.470096 | .0641519 | .1995293 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1714.073 | 2676.254 | 26561.57 | 4710.160 | 2872.031 |
| Stddev    | 7.330    | 6.448    | 36.56    | 22.769   | 2.004    |
| %RSD      | .4276169 | .2409238 | .1376393 | .4834087 | .0697867 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1706.886 | 2674.482 | 26524.42 | 4688.822 | 2872.733 |
| #2 | 1713.794 | 2683.402 | 26562.80 | 4707.525 | 2873.589 |
| #3 | 1721.538 | 2670.877 | 26597.50 | 4734.131 | 2869.770 |

Sample Name: J4077-07      Acquired: 7/25/2018 13:52:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0938899 | .1033395 | .0790609 | .1141232 | .2209458 | 49.93339 | 4.649865 |
| Stddev | .0025494 | .0026152 | .0020399 | .0007732 | .0033243 | .21292   | .014061  |
| %RSD   | 2.715270 | 2.530707 | 2.580168 | .6774797 | 1.504592 | .4264139 | .3023902 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0962224 | .1061101 | .0801430 | .1136882 | .2180487 | 49.87099 | 4.634680 |
| #2 | .0911684 | .1009139 | .0803318 | .1136655 | .2202134 | 49.75865 | 4.652482 |
| #3 | .0942790 | .1029944 | .0767080 | .1150158 | .2245752 | 50.17054 | 4.662433 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1119150 | .1212708 | 28.27405 | .6150380 | 1.207805 | .6331655 | 105.4369 |
| Stddev | .0008081 | .0001507 | .15368   | .0019657 | .001762  | .0073788 | .6666    |
| %RSD   | .7220464 | .1243026 | .5435486 | .3196005 | .1458457 | 1.165380 | .6322224 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1111695 | .1211061 | 28.10166 | .6171448 | 1.207360 | .6261517 | 104.9342 |
| #2 | .1118019 | .1213046 | 28.32378 | .6147161 | 1.206309 | .6408619 | 105.1835 |
| #3 | .1127737 | .1214018 | 28.39672 | .6132532 | 1.209746 | .6324830 | 106.1930 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.242768 | 30.49211 | 1.378646 | .1057154 | 31.29085 | 1.396640 | 1.352910 |
| Stddev | .014887  | .02666   | .002269  | .0006041 | .19824   | .016850  | .016794  |
| %RSD   | .6637751 | .0874366 | .1646106 | .5714621 | .6335457 | 1.206435 | 1.241317 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.230037 | 30.48244 | 1.377000 | .1050830 | 31.48022 | 1.392242 | 1.365977 |
| #2 | 2.239131 | 30.52225 | 1.377702 | .1062866 | 31.08479 | 1.382425 | 1.333968 |
| #3 | 2.259137 | 30.47163 | 1.381235 | .1057765 | 31.30753 | 1.415252 | 1.358784 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.314070 | 2.127761 | .1925154 | .0180935 | 37.04820 | 1.187871 | .1545944 |
| Stddev | .104344  | .004887  | .0012794 | .0005411 | .14042   | .019945  | .0002919 |
| %RSD   | 2.418686 | .2296716 | .6645486 | 2.990604 | .3790167 | 1.679053 | .1888162 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.308495 | 2.123065 | .1912523 | .0174769 | 36.96371 | 1.166134 | .1545713 |
| #2 | 4.212625 | 2.132819 | .1924833 | .0183147 | 36.97060 | 1.192149 | .1548972 |
| #3 | 4.421089 | 2.127401 | .1938105 | .0184890 | 37.21030 | 1.205329 | .1543148 |

Sample Name: J4077-07      Acquired: 7/25/2018 13:52:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.367337 | .0623685 | .1933754 |
| Stddev | .001961  | .0008037 | .0002521 |
| %RSD   | .0582325 | 1.288703 | .1303896 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.365352 | .0629188 | .1932742 |
| #2 | 3.367387 | .0627406 | .1931895 |
| #3 | 3.369273 | .0614462 | .1936624 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1713.210 | 2704.748 | 26743.03 | 4770.580 | 2914.607 |
| Stddev    | 19.786   | 3.362    | 175.22   | 21.805   | 1.855    |
| %RSD      | 1.154911 | .1243053 | .6551955 | .4570638 | .0636573 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1695.897 | 2701.810 | 26584.97 | 4793.003 | 2912.800 |
| #2 | 1708.956 | 2708.415 | 26712.69 | 4769.285 | 2916.507 |
| #3 | 1734.777 | 2704.018 | 26931.44 | 4749.452 | 2914.512 |

Sample Name: J4077-05LX5      Acquired: 7/25/2018 13:56:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0076775 | -.001232 | .0078957 | .0033023 | -.001595 | 9.974334 | .0167643 |
| Stddev | .0014657 | .003613  | .0017271 | .0016345 | .000107  | .041193  | .0003084 |
| %RSD   | 19.09018 | 293.2116 | 21.87416 | 49.49444 | 6.683142 | .4129874 | 1.839896 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0073443 | .000749  | .0075725 | .0044344 | -.001691 | 10.01159 | .0167834 |
| #2 | .0064071 | .000957  | .0097616 | .0040441 | -.001614 | 9.98131  | .0170628 |
| #3 | .0092810 | -.005403 | .0063530 | .0014285 | -.001480 | 9.93010  | .0164468 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003880 | .0004017 | 6.207859 | .0331975 | .0073305 | .0117201 | 22.55814 |
| Stddev | .0000302 | .0000662 | .017829  | .0010252 | .0002375 | .0011312 | .09716   |
| %RSD   | 7.769237 | 16.46855 | .2872004 | 3.088144 | 3.239384 | 9.652153 | .4307101 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003587 | .0003371 | 6.195019 | .0322658 | .0075740 | .0124176 | 22.45697 |
| #2 | .0003864 | .0004693 | 6.200342 | .0330310 | .0073180 | .0123279 | 22.56673 |
| #3 | .0004189 | .0003988 | 6.228215 | .0342958 | .0070996 | .0104149 | 22.65072 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2387865 | 6.624191 | .0415258 | .0007945 | 6.061376 | .0425253 | .0632367 |
| Stddev | .0023578 | .052365  | .0007269 | .0006481 | .230939  | .0165767 | .0116589 |
| %RSD   | .9873997 | .7905092 | 1.750393 | 81.57762 | 3.810003 | 38.98082 | 18.43692 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2366567 | 6.594302 | .0407551 | .0000762 | 5.927557 | .0234310 | .0731537 |
| #2 | .2413201 | 6.593617 | .0416234 | .0013356 | 6.328040 | .0509134 | .0661631 |
| #3 | .2383828 | 6.684656 | .0421990 | .0009716 | 5.928530 | .0532315 | .0503934 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2638393 | .4599769 | .0345622 | .0042415 | 8.015350 | .2751701 | .0318082 |
| Stddev | .1156685 | .0033416 | .0008170 | .0002114 | .050816  | .0057497 | .0008971 |
| %RSD   | 43.84049 | .7264763 | 2.363799 | 4.984718 | .6339796 | 2.089492 | 2.820456 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1429070 | .4568279 | .0341581 | .0040533 | 7.987613 | .2788764 | .0311501 |
| #2 | .2752064 | .4596202 | .0355024 | .0044703 | 7.984439 | .2780874 | .0328301 |
| #3 | .3734046 | .4634825 | .0340259 | .0042010 | 8.073999 | .2685467 | .0314444 |

Sample Name: J4077-05LX5      Acquired: 7/25/2018 13:56:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7390494 | .0105532 | .0422854 |
| Stddev | .0023990 | .0006059 | .0001385 |
| %RSD   | .3246054 | 5.741379 | .3276144 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7405393 | .0100561 | .0421258 |
| #2 | .7403269 | .0103755 | .0423745 |
| #3 | .7362820 | .0112281 | .0423559 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1685.699 | 2624.902 | 26016.42 | 4616.325 | 2890.134 |
| Stddev    | 4.235    | 18.595   | 108.33   | 12.111   | 16.125   |
| %RSD      | .2512164 | .7083954 | .4163953 | .2623615 | .5579473 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1683.227 | 2629.275 | 26141.28 | 4619.075 | 2897.316 |
| #2 | 1683.282 | 2640.920 | 25947.30 | 4626.825 | 2901.421 |
| #3 | 1690.589 | 2604.510 | 25960.70 | 4603.075 | 2871.666 |

Sample Name: PB111374BL      Acquired: 7/25/2018 14:12:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBW009      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002026 | -.000625 | .0026374 | .0022426 | -.000121 | -.008894 |
| Stddev | .001852  | .002923  | .0021274 | .0001634 | .001446  | .013183  |
| %RSD   | 91.41123 | 467.8842 | 80.66461 | 7.287042 | 1191.927 | 148.2221 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000881 | -.003878 | .0048918 | .0023417 | -.001742 | -.023964 |
| #2 | -.001035 | .000223  | .0023550 | .0020540 | .001038  | -.003215 |
| #3 | -.004162 | .001780  | .0006652 | .0023321 | .000340  | .000498  |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002960 | -.000013 | .0000581 | .0135321 | -.000171 | -.000020 |
| Stddev | .0001187 | .000045  | .0001609 | .0206195 | .000294  | .000217  |
| %RSD   | 40.10975 | 335.9392 | 277.1300 | 152.3740 | 171.6955 | 1060.893 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0003930 | -.000056 | .0002429 | -.010277 | .000146  | .000172  |
| #2 | .0001636 | -.000019 | -.000050 | .025285  | -.000435 | .000023  |
| #3 | .0003313 | .000034  | -.000019 | .025588  | -.000224 | -.000256 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001654 | .0122851 | -.000864 | -.017018 | -.000318 | .0004587 |
| Stddev | .000460  | .0198173 | .000640  | .035737  | .000131  | .0002402 |
| %RSD   | 27.81911 | 161.3111 | 74.08854 | 209.9949 | 41.05818 | 52.35880 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.002010 | .0030006 | -.001581 | .012313  | -.000205 | .0004134 |
| #2 | -.001816 | .0350402 | -.000666 | -.006546 | -.000289 | .0007183 |
| #3 | -.001134 | -.001185 | -.000347 | -.056821 | -.000461 | .0002444 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | -.617933 | -.003983 | -.000417 | -.904316 | -.008257 | F -.010413 |
| Stddev | .260379  | .022372  | .010632  | .119888  | .003676  | .000531    |
| %RSD   | 42.13706 | 561.6821 | 2546.947 | 13.25735 | 44.52735 | 5.095458   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.375466 | .013767  | -.007063 | -1.02166 | -.011061 | -.010077 |
| #2 | -.585204 | .003397  | .011845  | -.90926  | -.009615 | -.010138 |
| #3 | -.893129 | -.029113 | -.006034 | -.78203  | -.004094 | -.011025 |

Sample Name: PB111374BL      Acquired: 7/25/2018 14:12:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBW009      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002280 | -.305221 | .0047915 | -.001283 | -.001706 | -.000814 |
| Stddev | .0005174 | .007497  | .0009442 | .000562  | .002413  | .002007  |
| %RSD   | 226.8926 | 2.456270 | 19.70600 | 43.76532 | 141.4493 | 246.6492 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0008143 | -.297635 | .0037590 | -.001583 | .000994  | .001503  |
| #2 | .0000347 | -.312625 | .0056111 | -.000635 | -.003651 | -.001938 |
| #3 | -.000165 | -.305402 | .0050044 | -.001632 | -.002460 | -.002006 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | -.000073 |
| Stddev | .000072  |
| %RSD   | 98.95014 |

|    |          |
|----|----------|
| #1 | -.000117 |
| #2 | .000010  |
| #3 | -.000113 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1639.061 | 2569.696 | 25253.78 | 4511.042 | 2825.499 |
| Stddev    | 17.366   | 1.494    | 131.57   | 19.615   | 9.510    |
| %RSD      | 1.059507 | .0581531 | .5209820 | .4348319 | .3365766 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1639.141 | 2568.084 | 25218.13 | 4489.775 | 2816.899 |
| #2 | 1656.387 | 2571.036 | 25399.50 | 4514.925 | 2835.712 |
| #3 | 1621.655 | 2569.967 | 25143.71 | 4528.425 | 2823.886 |

Sample Name: PB111374BS      Acquired: 7/25/2018 14:16:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS009      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0164435 | .0518040 | .0225250 | .0750818 | .1239991 | .3792825 |
| Stddev | .0020152 | .0008042 | .0016330 | .0012868 | .0007277 | .0263541 |
| %RSD   | 12.25557 | 1.552465 | 7.249660 | 1.713840 | .5868832 | 6.948416 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0149235 | .0514104 | .0210002 | .0741155 | .1231823 | .3529672 |
| #2 | .0187294 | .0512725 | .0242481 | .0765425 | .1242365 | .4056752 |
| #3 | .0156775 | .0527293 | .0223266 | .0745876 | .1245785 | .3792051 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4156727 | .0101968 | .0109973 | 10.13793 | .0189358 | .1038073 |
| Stddev | .0016227 | .0000315 | .0000325 | .05948   | .0000620 | .0003168 |
| %RSD   | .3903703 | .3089500 | .2956650 | .5866773 | .3274665 | .3051639 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4171835 | .0101848 | .0109712 | 10.19439 | .0189075 | .1039756 |
| #2 | .4158772 | .0101731 | .0110337 | 10.07584 | .0190068 | .1034419 |
| #3 | .4139575 | .0102326 | .0109869 | 10.14358 | .0188929 | .1040044 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0568008 | .2283584 | .0323854 | 9.834976 | .0867500 | .0202236 |
| Stddev | .0045044 | .0200849 | .0010991 | .055236  | .0001204 | .0003125 |
| %RSD   | 7.930145 | 8.795352 | 3.393640 | .5616321 | .1388195 | 1.545083 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0616579 | .2515293 | .0336014 | 9.889634 | .0866112 | .0202696 |
| #2 | .0559834 | .2159150 | .0320920 | 9.836116 | .0868119 | .0198907 |
| #3 | .0527610 | .2176309 | .0314629 | 9.779179 | .0868269 | .0205106 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.484410 | .1106111 | .1406160 | 9.502010 | .0229168 | .0073981 |
| Stddev | .266782  | .0040976 | .0098813 | .088124  | .0012103 | .0005014 |
| %RSD   | 2.812846 | 3.704550 | 7.027172 | .9274221 | 5.281205 | 6.777877 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.535852 | .1063815 | .1332798 | 9.483698 | .0226482 | .0069738 |
| #2 | 9.195653 | .1145627 | .1518522 | 9.424480 | .0218634 | .0072690 |
| #3 | 9.721724 | .1108890 | .1367161 | 9.597851 | .0242389 | .0079514 |

Sample Name: PB111374BS      Acquired: 7/25/2018 14:16:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS009      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0217544 | -.133472 | .1959379 | F .0137424 | .2117944 | .0930699 |
| Stddev | .0003550 | .001683  | .0022776 | .0014483   | .0025749 | .0021333 |
| %RSD   | 1.632049 | 1.261244 | 1.162414 | 10.53855   | 1.215775 | 2.292155 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0214964 | -.132248 | .1934199 | .0151444 | .2100065 | .0953522 |
| #2 | .0216074 | -.132775 | .1965393 | .0122520 | .2106308 | .0927315 |
| #3 | .0221593 | -.135392 | .1978544 | .0138308 | .2147457 | .0911261 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2104242 |
| Stddev | .0003781 |
| %RSD   | .1796779 |

|    |          |
|----|----------|
| #1 | .2100505 |
| #2 | .2108065 |
| #3 | .2104157 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1646.022 | 2586.333 | 25444.87 | 4558.667 | 2905.441 |
| Stddev    | 19.472   | 3.228    | 133.33   | 12.201   | 5.625    |
| %RSD      | 1.182955 | .1248022 | .5240105 | .2676538 | .1936027 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1634.646 | 2590.055 | 25379.94 | 4570.975 | 2904.268 |
| #2 | 1668.505 | 2584.646 | 25598.23 | 4558.450 | 2911.559 |
| #3 | 1634.914 | 2584.298 | 25356.43 | 4546.575 | 2900.494 |

Sample Name: J4075-01      Acquired: 7/25/2018 14:25:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0149801 | .0037128 | .0039967 | -.000135 | -.000477 | .2607920 |
| Stddev | .0007183 | .0033383 | .0019786 | .003729  | .000995  | .0237118 |
| %RSD   | 4.795387 | 89.91320 | 49.50590 | 2763.585 | 208.5308 | 9.092219 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0144275 | .0074548 | .0017124 | -.002804 | .000487  | .2877397 |
| #2 | .0147205 | .0026430 | .0051016 | .004125  | -.001501 | .2431214 |
| #3 | .0157921 | .0010405 | .0051761 | -.001726 | -.000417 | .2515148 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3179670 | .0003890 | .0033880 | 195.8852 | .0022876 | .0114151 |
| Stddev | .0023639 | .0000924 | .0001150 | .8732    | .0004467 | .0005008 |
| %RSD   | .7434357 | 23.75464 | 3.394764 | .4457951 | 19.52538 | 4.386823 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3206289 | .0004151 | .0035006 | 196.8936 | .0024720 | .0119928 |
| #2 | .3171591 | .0004655 | .0033926 | 195.3814 | .0026125 | .0111481 |
| #3 | .3161130 | .0002863 | .0032707 | 195.3808 | .0017783 | .0111044 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005565 | .2065093 | .3885727 | 29.68137 | .0377592 | .0008215 |
| Stddev | .0040160 | .0076419 | .0005082 | .10723   | .0001237 | .0002474 |
| %RSD   | 721.6053 | 3.700501 | .1307831 | .3612686 | .3276148 | 30.11487 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.002716 | .2121346 | .3880069 | 29.80373 | .0378648 | .0011067 |
| #2 | -.000653 | .1978089 | .3889902 | 29.60380 | .0377898 | .0006931 |
| #3 | .005038  | .2095843 | .3887210 | 29.63657 | .0376231 | .0006647 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 1624.021 | -.004333 | .3728208 | 25.11894 | .0341507 | .3129134 |
| Stddev | 5.540      | .006946  | .0130816 | .08099   | .0019438 | .0023416 |
| %RSD   | .3411350   | 160.3104 | 3.508812 | .3224093 | 5.691896 | .7483371 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1619.821 | .001488  | .3721146 | 25.02549 | .0331945 | .3135217 |
| #2 | 1630.300 | -.002465 | .3601066 | 25.16879 | .0328701 | .3148909 |
| #3 | 1621.943 | -.012022 | .3862412 | 25.16252 | .0363874 | .3103276 |

Sample Name: J4075-01      Acquired: 7/25/2018 14:25:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013721 | 31.15303 | 2.082072 | .0017295 | -.005092 | .0286810 |
| Stddev | .0002827 | .12086   | .019405  | .0008966 | .002329  | .0019083 |
| %RSD   | 20.60617 | .3879661 | .9319892 | 51.84060 | 45.73542 | 6.653364 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0010702 | 31.10097 | 2.079721 | .0008381 | -.006666 | .0271091 |
| #2 | .0016307 | 31.06693 | 2.102546 | .0026311 | -.006194 | .0308042 |
| #3 | .0014153 | 31.29120 | 2.063951 | .0017192 | -.002417 | .0281298 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.871628 |
| Stddev | .003335  |
| %RSD   | .1782034 |

|    |          |
|----|----------|
| #1 | 1.869918 |
| #2 | 1.875471 |
| #3 | 1.869494 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1694.118 | 2597.841 | 26725.74 | 4766.302 | 2694.741 |
| Stddev    | 12.937   | 7.498    | 113.77   | 17.775   | 10.442   |
| %RSD      | .7636422 | .2886282 | .4257094 | .3729303 | .3875068 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1687.250 | 2595.294 | 26602.19 | 4745.859 | 2694.518 |
| #2 | 1686.064 | 2606.280 | 26826.20 | 4778.108 | 2705.294 |
| #3 | 1709.041 | 2591.948 | 26748.81 | 4774.940 | 2684.413 |

Sample Name: J4075-02      Acquired: 7/25/2018 14:29:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0121520 | .0053168 | .0043012 | -.003630 | -.003594 | .3249593 |
| Stddev | .0025701 | .0033210 | .0008308 | .003585  | .001562  | .0183271 |
| %RSD   | 21.14936 | 62.46238 | 19.31569 | 98.76213 | 43.47472 | 5.639804 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0138962 | .0057268 | .0033854 | -.005892 | -.004416 | .3433418 |
| #2 | .0133593 | .0018099 | .0050066 | -.005502 | -.001792 | .3066881 |
| #3 | .0092006 | .0084138 | .0045115 | .000504  | -.004574 | .3248482 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2811437 | .0004541 | .0051560 | 94.44105 | .0022127 | .0120252 |
| Stddev | .0006556 | .0000729 | .0000869 | .12536   | .0003565 | .0001121 |
| %RSD   | .2331911 | 16.06561 | 1.685101 | .1327424 | 16.11009 | .9323615 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2803881 | .0005383 | .0051367 | 94.44475 | .0025010 | .0121436 |
| #2 | .2815611 | .0004113 | .0050804 | 94.56453 | .0023228 | .0120111 |
| #3 | .2814820 | .0004126 | .0052509 | 94.31388 | .0018141 | .0119207 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008109 | .5010714 | .3142473 | 31.17539 | .0482059 | .0012301 |
| Stddev | .0063878 | .0079331 | .0009884 | .14104   | .0007071 | .0004701 |
| %RSD   | 787.7571 | 1.583238 | .3145151 | .4524126 | 1.466801 | 38.21835 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0038608 | .5072563 | .3131706 | 31.32214 | .0488849 | .0017651 |
| #2 | -.006530 | .5038307 | .3144580 | 31.16319 | .0474737 | .0010420 |
| #3 | .005102  | .4921270 | .3151134 | 31.04085 | .0482590 | .0008831 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 1588.865 | .0008187 | .4783874 | 29.09236 | .0420740 | .3997551 |
| Stddev | 7.043      | .0061277 | .0204923 | .14967   | .0004210 | .0043385 |
| %RSD   | .4432654   | 748.4310 | 4.283627 | .5144724 | 1.000533 | 1.085295 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1595.871 | .0074624 | .4599788 | 29.24145 | .0421233 | .4028814 |
| #2 | 1581.786 | -.004611 | .4747162 | 29.09351 | .0424681 | .3948019 |
| #3 | 1588.939 | -.000395 | .5004672 | 28.94211 | .0416305 | .4015821 |

Sample Name: J4075-02      Acquired: 7/25/2018 14:29:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020382 | 39.64162 | 2.901997 | .0036668 | -.000423 | .0353478 |
| Stddev | .0003652 | .25987   | .028319  | .0004518 | .001387  | .0007542 |
| %RSD   | 17.91766 | .6555544 | .9758580 | 12.32111 | 327.8098 | 2.133772 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0021179 | 39.55163 | 2.928481 | .0041611 | -.001918 | .0349334 |
| #2 | .0023570 | 39.43870 | 2.872144 | .0035640 | .000821  | .0348916 |
| #3 | .0016397 | 39.93453 | 2.905367 | .0032752 | -.000172 | .0362184 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .7950654 |
| Stddev | .0015355 |
| %RSD   | .1931255 |

|    |          |
|----|----------|
| #1 | .7967299 |
| #2 | .7937042 |
| #3 | .7947620 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1695.760 | 2619.891 | 26812.73 | 4795.250 | 2737.201 |
| Stddev    | 8.072    | 2.550    | 63.41    | 37.422   | 5.300    |
| %RSD      | .4759872 | .0973194 | .2364900 | .7803968 | .1936137 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1693.225 | 2622.073 | 26747.57 | 4753.193 | 2740.618 |
| #2 | 1704.795 | 2617.088 | 26816.37 | 4807.687 | 2739.888 |
| #3 | 1689.261 | 2620.512 | 26874.24 | 4824.870 | 2731.096 |

Sample Name: J4075-03      Acquired: 7/25/2018 14:33:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0094850 | .0037499 | .0086257 | .0006313 | -.002072 | .3156443 |
| Stddev | .0026632 | .0025683 | .0022021 | .0032589 | .000963  | .0292834 |
| %RSD   | 28.07829 | 68.48866 | 25.52903 | 516.2398 | 46.48655 | 9.277330 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0087596 | .0008846 | .0087604 | -.003093 | -.003181 | .3090942 |
| #2 | .0072596 | .0058448 | .0107572 | .002025  | -.001590 | .2901906 |
| #3 | .0124357 | .0045203 | .0063593 | .002961  | -.001445 | .3476480 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2395723 | .0004541 | .0045304 | 106.1009 | .0030169 | .0092756 |
| Stddev | .0013457 | .0000492 | .0000790 | .3212    | .0007160 | .0001305 |
| %RSD   | .5617177 | 10.84486 | 1.743699 | .3027029 | 23.73484 | 1.406915 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2407863 | .0005109 | .0044396 | 106.4699 | .0033943 | .0093986 |
| #2 | .2381253 | .0004241 | .0045836 | 105.9491 | .0021910 | .0091387 |
| #3 | .2398053 | .0004272 | .0045679 | 105.8838 | .0034652 | .0092895 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0041488 | 1.453186 | .2532994 | 30.18628 | .0510990 | .0010000 |
| Stddev | .0062524 | .003191  | .0011950 | .10156   | .0002822 | .0002760 |
| %RSD   | 150.7028 | .2195720 | .4717604 | .3364410 | .5521764 | 27.59977 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0113649 | 1.450860 | .2526446 | 30.28501 | .0510142 | .0009833 |
| #2 | .0003435 | 1.456824 | .2546787 | 30.19172 | .0514139 | .0007327 |
| #3 | .0007382 | 1.451874 | .2525751 | 30.08211 | .0508690 | .0012840 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 1600.856 | -.006465 | .5006070 | 28.08411 | .0411928 | .4030957 |
| Stddev | 4.697      | .006230  | .0310930 | .14376   | .0020928 | .0002686 |
| %RSD   | .2934303   | 96.35595 | 6.211056 | .5118733 | 5.080384 | .0666268 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1602.822 | -.000675 | .5132366 | 28.08365 | .0396354 | .4030229 |
| #2 | 1595.495 | -.013056 | .4651865 | 27.94059 | .0403712 | .4028711 |
| #3 | 1604.251 | -.005664 | .5233980 | 28.22810 | .0435716 | .4033932 |

Sample Name: J4075-03      Acquired: 7/25/2018 14:33:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0037041 | 39.95058 | 2.927001 | .0034414 | -.002311 | .0281277 |
| Stddev | .0001573 | .15658   | .003217  | .0008342 | .002878  | .0023778 |
| %RSD   | 4.246605 | .3919234 | .1099148 | 24.23984 | 124.5331 | 8.453542 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0035360 | 39.99205 | 2.926948 | .0041437 | -.005487 | .0307798 |
| #2 | .0037286 | 39.77745 | 2.923810 | .0025193 | -.001567 | .0261861 |
| #3 | .0038477 | 40.08225 | 2.930244 | .0036610 | .000122  | .0274174 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.071328 |
| Stddev | .001354  |
| %RSD   | .1263994 |

|    |          |
|----|----------|
| #1 | 1.072188 |
| #2 | 1.069767 |
| #3 | 1.072030 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1710.137 | 2622.712 | 27027.13 | 4801.600 | 2738.209 |
| Stddev    | 17.137   | 7.402    | 95.06    | 11.685   | 8.570    |
| %RSD      | 1.002073 | .2822266 | .3517034 | .2433473 | .3129848 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1690.394 | 2626.727 | 26957.51 | 4808.188 | 2736.171 |
| #2 | 1718.856 | 2627.239 | 27135.43 | 4808.502 | 2747.615 |
| #3 | 1721.161 | 2614.170 | 26988.45 | 4788.109 | 2730.842 |

Sample Name: J4075-04      Acquired: 7/25/2018 14:37:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0145747 | .0034242 | .0093638 | .0008714 | -.002261 | .4304577 |
| Stddev | .0017978 | .0007183 | .0015635 | .0023221 | .001675  | .0117558 |
| %RSD   | 12.33492 | 20.97633 | 16.69744 | 266.4858 | 74.10335 | 2.731006 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0130078 | .0025952 | .0075587 | .0031574 | -.002905 | .4389596 |
| #2 | .0141790 | .0038608 | .0102391 | .0009418 | -.003518 | .4353712 |
| #3 | .0165374 | .0038167 | .0102937 | -.001485 | -.000359 | .4170423 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5551610 | .0004779 | .0000983 | 101.1287 | .0014817 | .0022353 |
| Stddev | .0016943 | .0000498 | .0000433 | .3601    | .0003787 | .0001630 |
| %RSD   | .3051976 | 10.41695 | 44.04761 | .3560944 | 25.55912 | 7.289767 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5568942 | .0005307 | .0001339 | 101.4897 | .0019044 | .0022320 |
| #2 | .5535085 | .0004712 | .0001109 | 100.7694 | .0011732 | .0020740 |
| #3 | .5550802 | .0004318 | .0000501 | 101.1269 | .0013675 | .0023999 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0030597 | 23.55522 | .2939531 | 56.62429 | .0324623 | .0007287 |
| Stddev | .0049574 | .07432   | .0037811 | .43792   | .0006058 | .0004516 |
| %RSD   | 162.0220 | .3155155 | 1.286293 | .7733785 | 1.866086 | 61.97402 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.002197 | 23.62498 | .2971844 | 57.12770 | .0327190 | .0004760 |
| #2 | .007650  | 23.47706 | .2897947 | 56.33122 | .0317704 | .0012500 |
| #3 | .003727  | 23.56362 | .2948802 | 56.41396 | .0328975 | .0004599 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 1667.381 | .0072550 | .6740691 | 52.59647 | .5465534 | 1.239064 |
| Stddev | 3.661      | .0038233 | .0087990 | .27637   | .0067835 | .004117  |
| %RSD   | .2195550   | 52.69885 | 1.305361 | .5254526 | 1.241144 | .3322799 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1667.635 | .0042834 | .6642667 | 52.83962 | .5398272 | 1.243192 |
| #2 | 1670.908 | .0059134 | .6766558 | 52.65389 | .5464404 | 1.234958 |
| #3 | 1663.600 | .0115683 | .6812849 | 52.29590 | .5533928 | 1.239042 |

Sample Name: J4075-04      Acquired: 7/25/2018 14:37:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0038417 | 34.24696 | 6.463517 | .0062086 | .0102472 | .0402339 |
| Stddev | .0002908 | .16438   | .040076  | .0003950 | .0012604 | .0002809 |
| %RSD   | 7.570284 | .4799825 | .6200290 | 6.362615 | 12.30018 | .6980751 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0036603 | 34.14267 | 6.500252 | .0065889 | .0100261 | .0403470 |
| #2 | .0036877 | 34.16176 | 6.420778 | .0062365 | .0091120 | .0399142 |
| #3 | .0041772 | 34.43645 | 6.469520 | .0058003 | .0116036 | .0404407 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.075777 |
| Stddev | .003073  |
| %RSD   | .2856545 |

|    |          |
|----|----------|
| #1 | 1.078891 |
| #2 | 1.075695 |
| #3 | 1.072747 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1701.992 | 2598.146 | 26860.78 | 4803.943 | 2707.884 |
| Stddev    | 3.809    | 12.800   | 29.20    | 27.494   | 10.240   |
| %RSD      | .2237751 | .4926575 | .1087003 | .5723310 | .3781581 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1697.630 | 2607.359 | 26871.26 | 4772.621 | 2714.242 |
| #2 | 1703.686 | 2603.548 | 26827.79 | 4815.118 | 2713.338 |
| #3 | 1704.659 | 2583.530 | 26883.30 | 4824.091 | 2696.071 |

Sample Name: PB111374TB      Acquired: 7/25/2018 14:45:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LEB009      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0093330 | .0050415 | .0027858 | .0004839 | -.003228 | -.007922 |
| Stddev | .0025560 | .0030114 | .0015856 | .0013627 | .001250  | .005655  |
| %RSD   | 27.38662 | 59.73108 | 56.91656 | 281.5952 | 38.71359 | 71.38330 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0073463 | .0050360 | .0011003 | -.000223 | -.004059 | -.002189 |
| #2 | .0122166 | .0080557 | .0042478 | -.000380 | -.001791 | -.013496 |
| #3 | .0084362 | .0020329 | .0030093 | .002055  | -.003835 | -.008082 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002083 | .0001070 | .0000110 | .0114045 | .0008139 | .0005131 |
| Stddev | .0003204 | .0000419 | .0000592 | .0074735 | .0003666 | .0002589 |
| %RSD   | 153.7834 | 39.12116 | 539.2102 | 65.53174 | 45.03555 | 50.46573 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000011 | .0000587 | .0000142 | .0196102 | .0005045 | .0003112 |
| #2 | .000576  | .0001332 | .0000685 | .0049878 | .0007185 | .0004232 |
| #3 | .000060  | .0001290 | -.000050 | .0096154 | .0012188 | .0008051 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.007820 | .0219794 | -.001605 | .0392101 | .0098545 | .0009671 |
| Stddev | .004604  | .0104004 | .000582  | .0038384 | .0001472 | .0005385 |
| %RSD   | 58.86740 | 47.31893 | 36.23475 | 9.789255 | 1.493821 | 55.68678 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.009707 | .0115050 | -.001024 | .0399677 | .0097024 | .0015884 |
| #2 | -.011181 | .0323042 | -.001603 | .0426132 | .0099963 | .0006349 |
| #3 | -.002573 | .0221289 | -.002187 | .0350495 | .0098649 | .0006780 |

|        |            |          |          |          |          |            |
|--------|------------|----------|----------|----------|----------|------------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | F 1416.216 | -.000541 | .0162378 | -2.79994 | .0062609 | F -.011283 |
| Stddev | 3.718      | .007929  | .0075420 | .11150   | .0040466 | .000578    |
| %RSD   | .2625208   | 1465.241 | 46.44741 | 3.982166 | 64.63308 | 5.125791   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1413.130 | .008010  | .0127413 | -2.73669 | .0043755 | -.010730 |
| #2 | 1415.174 | -.007650 | .0248935 | -2.92868 | .0109062 | -.011884 |
| #3 | 1420.343 | -.001983 | .0110786 | -2.73445 | .0035010 | -.011236 |

Sample Name: PB111374TB      Acquired: 7/25/2018 14:45:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LEB009      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000944 | -.336396 | .0065060 | .0063390 | -.000795 | -.004429 |
| Stddev | .000148  | .004536  | .0006515 | .0008896 | .001041  | .002075  |
| %RSD   | 15.67221 | 1.348533 | 10.01422 | 14.03349 | 130.8905 | 46.84831 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000899 | -.340102 | .0060832 | .0069479 | -.001797 | -.003720 |
| #2 | -.000824 | -.331337 | .0072563 | .0053181 | .000281  | -.006765 |
| #3 | -.001109 | -.337749 | .0061785 | .0067511 | -.000869 | -.002801 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0000096 |
| Stddev | .0000526 |
| %RSD   | 548.5349 |

|    |          |
|----|----------|
| #1 | .0000694 |
| #2 | -.000011 |
| #3 | -.000029 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1723.295 | 2684.088 | 27258.94 | 4853.067 | 2822.315 |
| Stddev    | 8.980    | 4.395    | 82.20    | 12.611   | 10.614   |
| %RSD      | .5211050 | .1637468 | .3015444 | .2598591 | .3760611 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1720.795 | 2688.411 | 27254.17 | 4847.974 | 2833.199 |
| #2 | 1733.260 | 2684.229 | 27343.42 | 4867.429 | 2821.751 |
| #3 | 1715.830 | 2679.624 | 27179.23 | 4843.800 | 2811.995 |

Sample Name: J4075-05      Acquired: 7/25/2018 14:49:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0153364 | .0004772 | .0058458 | -.000138 | -.000710 | .2419510 |
| Stddev | .0052817 | .0018359 | .0017557 | .002454  | .000927  | .0187059 |
| %RSD   | 34.43894 | 384.7624 | 30.03303 | 1778.119 | 130.6091 | 7.731263 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0126127 | .0021789 | .0049682 | .000793  | -.000606 | .2234683 |
| #2 | .0214240 | .0007212 | .0078672 | -.002921 | .000161  | .2608723 |
| #3 | .0119726 | -.001469 | .0047019 | .001714  | -.001685 | .2415124 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2798088 | .0003268 | .0028960 | 273.1247 | .0022398 | .0038498 |
| Stddev | .0012336 | .0000743 | .0000651 | .5860    | .0001761 | .0003029 |
| %RSD   | .4408822 | 22.72536 | 2.246553 | .2145578 | 7.860127 | 7.866758 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2793786 | .0004125 | .0029303 | 273.1571 | .0024348 | .0035263 |
| #2 | .2788478 | .0002858 | .0028210 | 272.5231 | .0020926 | .0038965 |
| #3 | .2811999 | .0002821 | .0029368 | 273.6938 | .0021920 | .0041266 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000836 | .3320122 | .1265407 | 30.12183 | .0339226 | .0009101 |
| Stddev | .000934  | .0151043 | .0011820 | .02772   | .0002191 | .0002098 |
| %RSD   | 111.6882 | 4.549307 | .9341030 | .0920270 | .6457835 | 23.05158 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.001377 | .3248018 | .1256768 | 30.13571 | .0341751 | .0011508 |
| #2 | .000242  | .3218643 | .1260575 | 30.08991 | .0338103 | .0007664 |
| #3 | -.001373 | .3493704 | .1278878 | 30.13986 | .0337825 | .0008130 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 1606.546 | .0045309 | .3672021 | 24.05965 | .0345476 | .3605915 |
| Stddev | 1.852      | .0048637 | .0198956 | .01039   | .0083237 | .0014794 |
| %RSD   | .1152583   | 107.3448 | 5.418171 | .0431749 | 24.09357 | .4102692 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1604.571 | -.000918 | .3557568 | 24.04790 | .0253707 | .3598823 |
| #2 | 1608.242 | .008432  | .3901755 | 24.06344 | .0416105 | .3596003 |
| #3 | 1606.826 | .006079  | .3556739 | 24.06761 | .0366615 | .3622920 |

Sample Name: J4075-05      Acquired: 7/25/2018 14:49:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0160356 | 26.18960 | 2.212752 | .0036602 | -.005057 | .0273041 |
| Stddev | .0006698 | .14327   | .011201  | .0011408 | .000617  | .0017939 |
| %RSD   | 4.176809 | .5470352 | .5061900 | 31.16769 | 12.19384 | 6.569896 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0167805 | 26.05782 | 2.207563 | .0042086 | -.005289 | .0288020 |
| #2 | .0154828 | 26.16889 | 2.205086 | .0044232 | -.004358 | .0253162 |
| #3 | .0158437 | 26.34210 | 2.225606 | .0023487 | -.005524 | .0277943 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 2.408912 |
| Stddev | .002651  |
| %RSD   | .1100490 |

|    |          |
|----|----------|
| #1 | 2.406112 |
| #2 | 2.409242 |
| #3 | 2.411383 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1692.412 | 2583.285 | 26815.48 | 4829.853 | 2673.809 |
| Stddev    | 4.368    | 10.471   | 51.03    | 29.463   | 8.927    |
| %RSD      | .2581037 | .4053474 | .1903182 | .6100122 | .3338863 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1688.650 | 2592.269 | 26793.10 | 4815.880 | 2682.830 |
| #2 | 1697.203 | 2585.802 | 26873.88 | 4863.702 | 2673.618 |
| #3 | 1691.384 | 2571.785 | 26779.47 | 4809.976 | 2664.978 |

Sample Name: J4075-06      Acquired: 7/25/2018 14:53:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0116085 | .0029194 | .0063435 | .0007415 | -.001242 | .2384748 |
| Stddev | .0033611 | .0019718 | .0024893 | .0011610 | .000610  | .0097255 |
| %RSD   | 28.95400 | 67.54237 | 39.24192 | 156.5781 | 49.15397 | 4.078219 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0154691 | .0046576 | .0045817 | -.000207 | -.000864 | .2493183 |
| #2 | .0100234 | .0007767 | .0052576 | .002036  | -.001946 | .2355827 |
| #3 | .0093330 | .0033238 | .0091914 | .000395  | -.000916 | .2305233 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2807385 | .0003664 | .0028369 | 273.3180 | .0024979 | .0038717 |
| Stddev | .0016609 | .0000398 | .0000409 | 1.0569   | .0004400 | .0000781 |
| %RSD   | .5916088 | 10.87077 | 1.442101 | .3866946 | 17.61519 | 2.016925 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2793261 | .0003953 | .0028072 | 272.8545 | .0024403 | .0039330 |
| #2 | .2803211 | .0003829 | .0028199 | 272.5721 | .0020895 | .0038983 |
| #3 | .2825682 | .0003210 | .0028836 | 274.5275 | .0029639 | .0037837 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000394 | .3053771 | .1265685 | 30.10094 | .0339283 | .0009336 |
| Stddev | .004080  | .0261911 | .0015766 | .18140   | .0007888 | .0005301 |
| %RSD   | 1035.600 | 8.576647 | 1.245642 | .6026388 | 2.324801 | 56.77293 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .003333  | .3281100 | .1272989 | 29.96543 | .0339721 | .0005987 |
| #2 | .000239  | .3112843 | .1247592 | 30.03036 | .0346942 | .0015448 |
| #3 | -.004754 | .2767368 | .1276474 | 30.30702 | .0331185 | .0006574 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 1603.807 | .0050458 | .3747528 | 24.14663 | .0358664 | .3641338 |
| Stddev | 2.561      | .0129553 | .0141622 | .13216   | .0054442 | .0028656 |
| %RSD   | .1596830   | 256.7553 | 3.779066 | .5473258 | 15.17905 | .7869670 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1606.640 | -.003918 | .3784250 | 24.22339 | .0355331 | .3664971 |
| #2 | 1603.122 | .019900  | .3591163 | 23.99403 | .0305965 | .3649579 |
| #3 | 1601.657 | -.000845 | .3867172 | 24.22247 | .0414696 | .3609465 |

Sample Name: J4075-06      Acquired: 7/25/2018 14:53:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0161757 | 26.17689 | 2.226584 | .0047532 | -.006858 | .0265603 |
| Stddev | .0002005 | .11761   | .013245  | .0016075 | .001598  | .0010437 |
| %RSD   | 1.239728 | .4492895 | .5948657 | 33.81930 | 23.29693 | 3.929624 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0162593 | 26.17174 | 2.235065 | .0030570 | -.005476 | .0268034 |
| #2 | .0159469 | 26.06194 | 2.211321 | .0049484 | -.006490 | .0254165 |
| #3 | .0163209 | 26.29699 | 2.233366 | .0062542 | -.008607 | .0274610 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 2.409692 |
| Stddev | .003548  |
| %RSD   | .1472527 |

|    |          |
|----|----------|
| #1 | 2.412313 |
| #2 | 2.405654 |
| #3 | 2.411110 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1678.872 | 2584.599 | 26771.52 | 4826.465 | 2674.063 |
| Stddev    | 3.726    | 13.947   | 67.52    | 14.096   | 14.101   |
| %RSD      | .2219587 | .5396210 | .2521942 | .2920542 | .5273231 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1677.800 | 2591.603 | 26719.91 | 4810.513 | 2678.745 |
| #2 | 1675.799 | 2593.655 | 26746.72 | 4837.241 | 2685.227 |
| #3 | 1683.017 | 2568.537 | 26847.93 | 4831.642 | 2658.216 |

Sample Name: J4075-07      Acquired: 7/25/2018 14:57:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0566784 | .0553945 | .0293460 | .0599352 | .1074669 | 2.323960 |
| Stddev | .0044450 | .0011064 | .0008883 | .0042267 | .0012672 | .020215  |
| %RSD   | 7.842515 | 1.997329 | 3.026855 | 7.052095 | 1.179135 | .8698490 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0521790 | .0561600 | .0297565 | .0556056 | .1074578 | 2.335392 |
| #2 | .0567893 | .0541259 | .0299547 | .0601492 | .1062043 | 2.335869 |
| #3 | .0610669 | .0558975 | .0283267 | .0640509 | .1087386 | 2.300619 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.554292 | .0551046 | .0632564 | 268.2217 | .2143365 | .5908058 |
| Stddev | .003944  | .0003652 | .0004416 | .2886    | .0002960 | .0028795 |
| %RSD   | .1544061 | .6626455 | .6981753 | .1075915 | .1380811 | .4873889 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.551287 | .0550190 | .0627467 | 267.8890 | .2141288 | .5881059 |
| #2 | 2.552832 | .0555049 | .0635268 | 268.4038 | .2142053 | .5904752 |
| #3 | 2.558758 | .0547898 | .0634956 | 268.3723 | .2146754 | .5938364 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2920219 | 1.405952 | .6831735 | 29.53214 | .6235626 | .0568932 |
| Stddev | .0021312 | .033019  | .0048049 | .07142   | .0031199 | .0002054 |
| %RSD   | .7297927 | 2.348516 | .7033210 | .2418366 | .5003268 | .3610699 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2907932 | 1.391186 | .6778507 | 29.45309 | .6202741 | .0566675 |
| #2 | .2907898 | 1.382894 | .6871905 | 29.59201 | .6239331 | .0570691 |
| #3 | .2944828 | 1.443778 | .6844793 | 29.55133 | .6264807 | .0569431 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 1587.444 | .6126585 | .9474214 | 23.77089 | .0400714 | .3607530 |
| Stddev | 3.190      | .0035112 | .0228719 | .08128   | .0027214 | .0004642 |
| %RSD   | .2009397   | .5731104 | 2.414118 | .3419415 | 6.791278 | .1286782 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1587.129 | .6107390 | .9737976 | 23.68545 | .0428796 | .3612889 |
| #2 | 1584.423 | .6105255 | .9330743 | 23.77998 | .0398884 | .3604744 |
| #3 | 1590.779 | .6167110 | .9353921 | 23.84725 | .0374461 | .3604957 |

Sample Name: J4075-07      Acquired: 7/25/2018 14:57:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0160554 | 26.02264 | 2.180422 | .0045552 | -.003781 | .0276482 |
| Stddev | .0001175 | .13948   | .008892  | .0015433 | .002086  | .0012367 |
| %RSD   | .7317317 | .5360122 | .4077912 | 33.88064 | 55.15982 | 4.473086 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0161624 | 25.88545 | 2.171039 | .0033407 | -.006126 | .0290686 |
| #2 | .0159297 | 26.01815 | 2.181504 | .0062919 | -.002134 | .0268104 |
| #3 | .0160742 | 26.16431 | 2.188723 | .0040331 | -.003083 | .0270655 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 2.377353 |
| Stddev | .005662  |
| %RSD   | .2381792 |

|    |          |
|----|----------|
| #1 | 2.370882 |
| #2 | 2.379779 |
| #3 | 2.381398 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1672.810 | 2574.808 | 26631.62 | 4825.219 | 2665.305 |
| Stddev    | 4.040    | 8.767    | 39.03    | 14.822   | 7.536    |
| %RSD      | .2414850 | .3404787 | .1465708 | .3071784 | .2827489 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1668.685 | 2577.034 | 26632.84 | 4841.888 | 2671.238 |
| #2 | 1676.759 | 2582.248 | 26670.04 | 4820.244 | 2667.852 |
| #3 | 1672.987 | 2565.143 | 26592.00 | 4813.524 | 2656.826 |

Sample Name: J4075-05LX5      Acquired: 7/25/2018 15:01:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MJJ1T9L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068080 | .0031715 | .0034530 | -.001891 | -.001808 | .0390009 | .0559097 |
| Stddev | .0028333 | .0009942 | .0015839 | .002409  | .000537  | .0089417 | .0011858 |
| %RSD   | 41.61734 | 31.34729 | 45.87144 | 127.4183 | 29.71626 | 22.92692 | 2.120947 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0042829 | .0020468 | .0052395 | .000872  | -.001471 | .0292210 | .0560160 |
| #2 | .0098721 | .0035344 | .0022203 | -.003552 | -.001525 | .0467578 | .0546743 |
| #3 | .0062691 | .0039332 | .0028992 | -.002992 | -.002427 | .0410238 | .0570388 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000958 | .0006033 | 54.93786 | .0002885 | .0002156 | -.002218 | .0794125 |
| Stddev | .0000497 | .0000749 | .13397   | .0005993 | .0003220 | .003978  | .0154510 |
| %RSD   | 51.90228 | 12.41426 | .2438589 | 207.7542 | 149.3270 | 179.3821 | 19.45668 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001447 | .0006884 | 55.08783 | .0002673 | .0005868 | -.006417 | .0622054 |
| #2 | .0000973 | .0005478 | 54.89571 | .0008980 | .0000493 | .001494  | .0920993 |
| #3 | .0000453 | .0005735 | 54.83003 | -.000300 | .0000108 | -.001730 | .0839327 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0266657 | 6.106641 | .0066500 | .0006112 | 368.1919 | .0009975 | .0799233 |
| Stddev | .0018944 | .045029  | .0003897 | .0005552 | 1.9805   | .0071283 | .0095045 |
| %RSD   | 7.104351 | .7373850 | 5.860814 | 90.83532 | .5378966 | 714.6225 | 11.89205 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0247127 | 6.055747 | .0063259 | .0001847 | 368.1615 | -.006867 | .0726206 |
| #2 | .0284955 | 6.122869 | .0065416 | .0012389 | 366.2267 | .007033  | .0764797 |
| #3 | .0267888 | 6.141308 | .0070824 | .0004099 | 370.1874 | .002827  | .0906696 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.014953 | .0010032 | .0618175 | .0030155 | 4.765226 | .4473198 | .0003338 |
| Stddev | .066023  | .0034184 | .0006482 | .0001895 | .023022  | .0003998 | .0001985 |
| %RSD   | 1.644427 | 340.7683 | 1.048602 | 6.284775 | .4831321 | .0893834 | 59.47566 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.084930 | .0009261 | .0624487 | .0030419 | 4.746385 | .4472046 | .0005608 |
| #2 | 3.953765 | -.002376 | .0618503 | .0031904 | 4.790888 | .4469902 | .0002473 |
| #3 | 4.006163 | .004459  | .0611535 | .0028141 | 4.758405 | .4477646 | .0001932 |

Sample Name: J4075-05LX5      Acquired: 7/25/2018 15:01:57      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MJJ1T9L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000600 | .0062754 | .4861098 |
| Stddev | .002958  | .0010765 | .0004088 |
| %RSD   | 492.9420 | 17.15464 | .0840955 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .002568  | .0075173 | .4860171 |
| #2 | -.003290 | .0057018 | .4857554 |
| #3 | -.001078 | .0056072 | .4865570 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1680.833 | 2603.126 | 26505.76 | 4750.990 | 2903.295 |
| Stddev    | 6.545    | 8.205    | 80.82    | 12.393   | 9.050    |
| %RSD      | .3893979 | .3152099 | .3049228 | .2608475 | .3117255 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1673.733 | 2604.410 | 26505.56 | 4754.766 | 2900.295 |
| #2 | 1686.626 | 2610.613 | 26586.68 | 4737.148 | 2913.465 |
| #3 | 1682.139 | 2594.354 | 26425.03 | 4761.055 | 2896.126 |

Sample Name: CCV076      Acquired: 7/25/2018 15:10:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV076      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.896439 | 4.781280 | 23.42329 | 4.657845 | 4.751573 | 381.9088 | 9.389273 |
| Stddev | .021011  | .022036  | .12042   | .021197  | .023681  | 1.2892   | .046547  |
| %RSD   | .4291110 | .4608764 | .5140958 | .4550808 | .4983910 | .3375590 | .4957441 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.873801 | 4.758936 | 23.31245 | 4.633371 | 4.729014 | 383.3330 | 9.431203 |
| #2 | 4.915315 | 4.781910 | 23.40601 | 4.669780 | 4.749469 | 381.5719 | 9.397429 |
| #3 | 4.900200 | 4.802994 | 23.55142 | 4.670384 | 4.776237 | 380.8216 | 9.339188 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4550554 | 2.370408 | 371.9021 | 14.64113 | 2.397929 | 13.98566 | 392.0632 |
| Stddev | .0030314 | .011651  | 1.4823   | .01546   | .009864  | .06123   | .9000    |
| %RSD   | .6661677 | .4915269 | .3985854 | .1056168 | .4113469 | .4378134 | .2295504 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4585030 | 2.359291 | 373.4550 | 14.64257 | 2.389493 | 14.05453 | 393.0013 |
| #2 | .4538562 | 2.369405 | 371.7491 | 14.62500 | 2.395521 | 13.96511 | 391.9814 |
| #3 | .4528071 | 2.382528 | 370.5022 | 14.65583 | 2.408774 | 13.93736 | 391.2069 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.52807 | 376.8407 | 2.421633 | 1.192955 | 400.5363 | 2.317268 | 14.14207 |
| Stddev | .06776   | 1.4623   | .012242  | .002244  | .9711    | .014290  | .07330   |
| %RSD   | .5008883 | .3880529 | .5055125 | .1880949 | .2424493 | .6166541 | .5182893 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.59762 | 378.5291 | 2.412362 | 1.190722 | 401.5898 | 2.320551 | 14.19463 |
| #2 | 13.52433 | 376.0169 | 2.417028 | 1.195210 | 399.6769 | 2.329629 | 14.17324 |
| #3 | 13.46226 | 375.9762 | 2.435509 | 1.192933 | 400.3423 | 2.301622 | 14.05834 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 148.9543 | 5.392380 | 4.835246 | 4.808528 | 4.652342 | 4.519565 | 4.898866 |
| Stddev | .6023    | .011458  | .037538  | .023028  | .025586  | .041401  | .019979  |
| %RSD   | .4043569 | .2124942 | .7763351 | .4789056 | .5499521 | .9160331 | .4078368 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 149.6482 | 5.379262 | 4.876036 | 4.786717 | 4.622942 | 4.561599 | 4.876218 |
| #2 | 148.5667 | 5.397441 | 4.827548 | 4.806261 | 4.669563 | 4.518267 | 4.906387 |
| #3 | 148.6480 | 5.400436 | 4.802154 | 4.832606 | 4.664520 | 4.478828 | 4.913993 |

Sample Name: CCV076      Acquired: 7/25/2018 15:10:40      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCV076      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.576588 | 4.799878 | 4.741335 |
| Stddev | .013482  | .020816  | .021254  |
| %RSD   | .2945802 | .4336846 | .4482663 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.592154 | 4.822122 | 4.765464 |
| #2 | 4.568904 | 4.796643 | 4.733156 |
| #3 | 4.568704 | 4.780869 | 4.725386 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1471.532 | 2298.565 | 24588.27 | 4551.449 | 2498.682 |
| Stddev    | 7.570    | 5.388    | 110.44   | 16.859   | 5.468    |
| %RSD      | .5144124 | .2344084 | .4491430 | .3704194 | .2188444 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1470.226 | 2304.718 | 24715.78 | 4532.061 | 2504.779 |
| #2 | 1464.699 | 2296.281 | 24522.86 | 4559.625 | 2497.053 |
| #3 | 1479.669 | 2294.695 | 24526.17 | 4562.662 | 2494.213 |

Sample Name: CCB076      Acquired: 7/25/2018 15:14:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB076      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000787 | -.000190 | .0025305 | .0006285 | -.001134 | -.007813 | -.000987 |
| Stddev | .0016279 | .001488  | .0003303 | .0025661 | .002537  | .012937  | .001239  |
| %RSD   | 2068.637 | 784.4201 | 13.05145 | 408.2743 | 223.8048 | 165.5814 | 125.5341 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000887 | .001444  | .0025053 | .0011241 | -.000134 | .000661  | .000365  |
| #2 | .001958  | -.001466 | .0022136 | -.002149 | -.004019 | -.001396 | -.002067 |
| #3 | -.000835 | -.000547 | .0028727 | .002911  | .000752  | -.022704 | -.001259 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000167 | .0000430 | -.011492 | .0000008 | .0000769 | -.005776 | .0171385 |
| Stddev | .0000629 | .0000676 | .027770  | .0001732 | .0003263 | .005373  | .0123299 |
| %RSD   | 376.7467 | 157.3322 | 241.6496 | 20965.33 | 424.2359 | 93.01837 | 71.94297 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000018 | .0001205 | -.031901 | -.000147 | .0001486 | -.000195 | .0313112 |
| #2 | .0000857 | .0000127 | -.022705 | .000192  | .0003615 | -.006219 | .0088777 |
| #3 | -.000037 | -.000004 | .020131  | -.000043 | -.000279 | -.010913 | .0112266 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000937 | -.011866 | -.000121 | .0008629 | -.915536 | -.002653 | .0096084 |
| Stddev | .000879  | .088013  | .000461  | .0001268 | .054177  | .008034  | .0173438 |
| %RSD   | 93.77939 | 741.7132 | 380.9815 | 14.69428 | 5.917505 | 302.8700 | 180.5073 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000249 | -.113115 | -.000412 | .0007225 | -.859569 | .006506  | .0165290 |
| #2 | -.001927 | .046363  | .000411  | .0008969 | -.967726 | -.008511 | -.010127 |
| #3 | -.000635 | .031153  | -.000362 | .0009691 | -.919312 | -.005953 | .022423  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.490925 | -.008338 | -.002492 | .0003255 | -.381856 | .0082439 | .0002262 |
| Stddev | .073716  | .000935  | .000841  | .0002899 | .003877  | .0007472 | .0011421 |
| %RSD   | 15.01581 | 11.21202 | 33.73418 | 89.07429 | 1.015184 | 9.063184 | 504.9297 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.475437 | -.007289 | -.001532 | .0001241 | -.384928 | .0077797 | -.000927 |
| #2 | -.426183 | -.008642 | -.003098 | .0006577 | -.383140 | .0091058 | .001357  |
| #3 | -.571155 | -.009083 | -.002846 | .0001946 | -.377501 | .0078461 | .000249  |

Sample Name: CCB076      Acquired: 7/25/2018 15:14:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v603)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB076      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0000776 | -.002113 | -.000054 |
| Stddev | .0024664 | .001014  | .000084  |
| %RSD   | 3179.298 | 47.99890 | 155.3190 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001111 | -.003273 | -.000016 |
| #2 | .002913  | -.001673 | .000004  |
| #3 | -.001569 | -.001393 | -.000151 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1681.107 | 2616.966 | 25970.42 | 4697.658 | 2894.965 |
| Stddev    | 11.416   | 9.018    | 132.15   | 16.066   | 9.458    |
| %RSD      | .6790948 | .3446164 | .5088294 | .3419911 | .3267009 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1678.970 | 2622.582 | 26072.69 | 4681.200 | 2900.008 |
| #2 | 1693.440 | 2621.752 | 26017.34 | 4713.300 | 2900.833 |
| #3 | 1670.910 | 2606.563 | 25821.21 | 4698.475 | 2884.055 |